PEBBLE PROJECT
ENVIRONMENTAL BASELINE DOCUMENT
2004 through 2008

CHAPTER 9.
WATER QUALITY
Bristol Bay Drainages

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ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
asl	above sea level
AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
ANOVA	analysis of variance
APC	Alaska Peninsula Corporation
bgs	below ground surface
BEESC	Bristol Environmental & Engineering Services Corporation
$CaCO_3$	calcium carbonate
CALC	chronic aquatic life criteria
CH2M Hill	CH2M Hill, Inc.
cm	centimeter
CO_2	carbon dioxide
CV	coefficient of variation
DO	dissolved oxygen
DQO	data quality objective
DRO	diesel range organics
DWS	drinking water standards
EBD	environmental baseline document
EC	electrical conductivity
EPA	U.S. Environmental Protection Agency
FOD	frequency of detection
FSP	Field Sampling Plan
GPS	Global Positioning System
GRO	gasoline range organics
HDR	HDR Alaska, Inc.
KW	Kruskal-Wallis
L	liter(s)
Lpm	liters per minute
µmhos/cm	micromhos per centimeter
MCL	maximum contaminant level
MDL	method detection limit
meq/L	milli-equivalents per liter
mg	milligram(s)
µg/L	microgram(s) per liter

µg	microgram(s)
MRL	method reporting limit
m/s	meters per second
µs	microSiemens
uS/cm	microSiemens per centimeter
mV	millivolt(s)
N	nitrogen
ND	non-detect
NDM	Northern Dynasty Mines
NFK	North Fork Koktuli River
NH_3	ammonia
NH_4^+	ammonium
NO_2^-	nitrite
NO_3^+	nitrate
NOC	naturally occurring constituent
NTU	nephelometric turbidity unit(s)
ORP	oxidation reduction potential
PCB	polychlorinated biphenyls
pCi/L	pico Curies per liter
pH	hydrogen ion activity
PQL	practical quantitation limit
PVC	polyvinyl chloride
p-value	probability
QA/QC	quality assurance/quality control
QAPP	quality assurance project plan
R^2	regression coefficient
RRO	residual range organics
RPD	relative percent difference
SFK	South Fork Koktuli River
SLR	SLR Alaska
SOP	standard operating procedure
SVOC	semivolatile organic compound
TDS	total dissolved solids
TSS	total suspended solids
USGS	U.S. Geological Survey
UT	Upper Talarik River
VOC	volatile organic compound
WAD	weak acid dissociable

9. WATER QUALITY

9.0. Introduction

9.0.1. Study Objectives

The common objectives of the surface water quality and groundwater quality sampling programs were as follows:

- Collect baseline data to provide scientific documentation of the naturally occurring constituents (NOCs), their concentrations, and their variability in surface water and groundwater.
- Assemble a database of site water chemistry.
- Interpret the data.

9.0.2. Study Areas

9.0.2.1. Mine Study Area

The mine study area encompasses 392 square miles, and is part of the Nushagak and Kvichak watersheds. It is drained by the North Fork Koktuli River, South Fork Koktuli River, Upper Talarik Creek and Kaskanak Creek (Figure 9.0-1). The deposit area, located roughly in the middle of the mine study area, is at an elevation of about 1,150 feet. This location is approximately two miles north of a lake locally named Frying Pan Lake (elevation 943 feet) and is in the headwaters of both the Koktuli River and Upper Talarik Creek.

The Koktuli River drains to the Nushagak River and then to Bristol Bay. Upper Talarik Creek drains to Iliamna Lake, which in turn drains to the Kvichak River. Kaskanak Creek drains to the Kvichak River south of Iliamna Lake.

9.0.2.2. Transportation Corridor Study Area

The transportation-corridor, Bristol Bay drainages study area is generally bounded by the Newhalen River in the west, the northern shore of Iliamna Lake in the south, the outlet of Lake Clark and the base of Roadhouse Mountain in the north, and the drainage divide between Bristol Bay and Cook Inlet drainages in the east. The study area is more specifically defined by the location of the sampling stations as depicted in Figure 9.0-2.

9.0.3. Types of Sampling and Constituents Analyzed

Surface water and groundwater quality samples were collected in the area of the Pebble Deposit and along the transportation corridor. The inorganic constituents that were analyzed were common to both types of samples, including field and physical parameters, dissolved major ions, nutrients, trace elements, and cyanides (Table 9.0-1). Some surface water samples were also analyzed for petroleum hydrocarbons

(gasoline-range organics, diesel-range organics, and residual-range organics), volatile organic compounds, semi-volatile organic compounds, polychlorinated biphenyls (PCBs), and pesticides.

9.0.4. Methods

The methods used for site selection, sampling, and data interpretation are described in the respective surface water or groundwater sub-section.

9.0.5. Relevance of Each Constituent

Each constituent that was measured in the water quality program had its own relevance to the interpretation of the water quality. The following paragraphs describe each of these parameters:

- Specific Conductance: Specific conductance is a measure of the ability of water to conduct an electric current, and is determined by the type and concentration of ions in solution. It is a readily measured property that is generally proportional to the total dissolved solids in the water.
- pH: The pH of water is a measure of its hydrogen-ion activity and can theoretically range from 0 (very acidic) to 14 (very alkaline) standard units. The typical pH range of natural water is about 5 to 8, where a pH of 7 indicates water that is perfectly neutral.
- Water Temperature: Water temperature is one of the most important factors in the health of a stream ecosystem and determines the upper limit of dissolved oxygen when at equilibrium with the atmosphere. It also controls the metabolic rates of fish and their rates of growth.
- Dissolved Oxygen: The dissolved oxygen concentration in a stream is controlled by several factors, including water temperature, air temperature and pressure, hydraulic characteristics of the stream, photosynthetic or respiratory activity of stream biota, and the quantity of organic matter present. Dissolved oxygen is a constituent that affects the health of fish.
- Alkalinity: Alkalinity is a measure of the capacity of the dissolved ions to neutralize acid. It is formally defined as the sum total of components in the water that can buffer pH of the water above 4.5, and it is expressed as equivalent milligrams per liter (mg/L) of calcium carbonate ($CaCO_3$). In most natural waters, alkalinity occurs primarily as bicarbonate and carbonate (Hem, 1985), which are ions formed when carbonate rocks weather. Given the typical range of pH values in natural waters, most of the alkalinity can be assigned entirely too dissolved bicarbonate (Hem, 1985). Alkalinity is considered to be a measure of the buffering capacity of the water, and since pH has a direct effect on organisms as well as an indirect effect on the toxicity of some pollutants in the water, it is important to consider during water quality evaluations.
- Hardness: Water hardness is the sum of the concentrations of calcium and magnesium, and is expressed as equivalent mg/L $CaCO_3$. The presence of calcium and/or magnesium is known to moderate the toxicity of some metals; in particular, the toxicity of cadmium, chromium III, copper, lead, nickel, silver, and zinc decrease as water hardness increases.
- Nutrients: A nutrient is an element or compound essential for animal and plant growth, such as nitrogen and phosphorus. Nitrogen is an important water quality constituent, partly because it is an important component of the protoplasm of aquatic biota. In aquatic ecosystems, nitrogen commonly occurs in three ionic forms and one neutral form: nitrate (NO_3^+), nitrite (NO_2^-), ammonium (NH_4^+), and ammonia (NH_3). Nitrate and nitrite are oxidized forms of nitrogen (N)

that together normally constitute most of the dissolved nitrogen in well-aerated streams. For this study, ammonia and ammonium were reported together as total ammonia.

- Phosphorus: Phosphorus is an essential element in the growth of plants and animals. It occurs as organically bound phosphorus or as phosphate. High concentrations of phosphorus in water are not considered to be toxic to human or aquatic life. However, the presence of phosphorus can stimulate the growth of algae in lakes and streams.
- Trace Elements: Trace elements are essential for health in all aquatic organisms in trace amounts. However, high concentrations of trace elements in surface waters can also be related to chronic or acute toxicity. The trace elements aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, tellurium, vanadium, and zinc all have maximum water quality criteria based on toxicity. The toxicity of an element depends on whether it is being evaluated in the context of human health or aquatic life.
- Dissolved Organic Carbon (DOC): DOC is a food source for micro-organisms and the aquatic food web, and it can affect the acid-base chemistry of low-alkalinity waters. DOC also forms strong complexes with trace metals, which affects their bioavailability and mobility. This characteristic has applications to the biotic ligand model for assessing toxicity.

9.0.6. Data Reduction

9.0.6.1. Data Qualifiers

As part of the laboratory analysis for the water samples, data qualifier codes were assigned to some results as follows:

- U: The constituent was not detected above the level of the method reporting limit (MRL). Detections below this limit were attributed to associated blank contamination.
- UJ: The parameter was analyzed but was not detected above the level of the MRL. The MRL is approximate and may be inaccurate or imprecise.
- J: The result was an estimated quantity. The associated numerical value is the approximate concentration of the parameter in the sample.
- J+: The result was an estimated quantity and may be biased high.
- J-: The result was an estimated quantity and may be biased low.
- R: The sample results were rejected due to deficiencies in meeting quality control (QC) criteria. The constituent may or may not be present in the sample.

A total of 4,438 analyses were R-qualified (rejected) out of a total of 274,394 analyses (2 percent). The breakdown of these R-flagged results is as follows:

- Groundwater (Deposit Area): 334 analyses were rejected out 42,185 for the groundwater analyses (1 percent).

- Surface Water (Deposit Area): 3,675 analyses were rejected out 171,502 for surface water in the deposit study area (2 percent).
- Community Well Sampling (Transportation Corridor): 28 analyses were rejected out of 1,502 (2 percent).
- Surface Water (Transportation Corridor): 242 analyses were rejected out of 12,937 (2 percent).

This count includes only analyses of primary samples. The results that were R-qualified during data validation were excluded from the data sets for data analysis and interpretation. The majority of these rejected analyses were dissolved-constituents data where the dissolved concentration was unacceptably higher than the total concentration (discussed in the next sub-section).

9.0.6.2. Comparison of Dissolved and Total Analyses

The project laboratory compared the results of dissolved and total analyses to identify those samples where the concentration of a dissolved metal was greater than the total metal. Where the dissolved concentration was greater than total, the results were evaluated against criteria presented in the quality assurance project plan (QAPP; Appendix G of this environmental baseline document [EBD]). The dissolved concentration was considered valid relative to the total concentration if one of the following criteria was met:

- For dissolved and total results that were both greater than five times the MRL: valid if relative percent difference (RPD) was less than or equal to 20 percent.
- For total metals results that were less than or equal to five times the MRL: valid if absolute value of the difference between the results was less than or equal to the MRL. If the total metals result was not detected at the method detection limit (MDL), the value of the MDL was used for the comparison.
- Valid if total and dissolved results were both below the MRL. (In this case, the results were treated as one-half the MRL in the database).

If more than 30 percent of the results for trace elements did not meet these criteria, then the total and dissolved fractions were reanalyzed if sufficient sample volume was available. The details of this evaluation and the corrective actions that were implemented are described fully in Appendix A, Analytical Data Quality Assurance/Quality Control, of this EBD.

Most analyzed concentrations of dissolved metals and trace elements were less than or equal to the total concentrations within analytical precision. Only nickel and zinc out of 27 metals had a relatively low number of dissolved analysis within the acceptable range: 56% and 76%, respectively (Appendix A, Analytical Data Quality Assurance/Quality Control). Four other metals (barium, cobalt, copper and lead) out of 27 had 80-90% of dissolved analyses within the acceptable range and the other 21 metals had over 90% within the acceptable range. Therefore, the majority of analyses met the 90% completeness criterion for dissolved analyses relative to total analyses. Leaching of trace levels of metals in the water-sample filters were the most likely cause of dissolved analyses that did not meet the 90% completeness criterion.

9.0.6.3. Treatment of Non-Detect Values

Non-detect results were included in statistical summaries (e.g. mean, median, standard deviation, coefficient of variation) and regressions as one-half the MDL, and results flagged with a "U" or "UJ" qualifier were included as one-half the MRL. For the Kruskal-Wallis and Mann Whitney statistical tests, which were used to distinguish differences in surface-water concentrations between watersheds, only detected concentrations and J-qualified results were included to avoid skewing the datasets based on multiple non-detect values.

9.0.6.4. Treatment of Triplicate Samples

Samples were collected in triplicate at 10 percent of the sample stations as a quality assurance/quality control (QA/QC) measure. Only the primary samples were used for data analysis. Triplicate sample data were used to evaluate the precision of the analytical results. These data were also used to help identify outliers.

9.0.6.5. Classification of Constituents for Data Interpretation

For the purpose of interpreting the data, the constituents were divided into several groups as follows:

- Field and physical parameters (total dissolved solids, pH, dissolved oxygen, temperature, specific conductance, turbidity, total suspended solids, oxidation reduction potential) to give a broad overview of the water quality characteristics.
- Major ions (calcium, magnesium, sodium, potassium, alkalinity, sulfate, chloride, fluoride, and hardness) to characterize the constituents that comprise the majority of dissolved solids in the samples.
- Nutrients (total ammonia, nitrate+nitrite, phosphorous, total orthophosphate) to characterize the constituents that can cause eutrophication of water bodies.
- Total and dissolved trace elements (aluminum, antimony, arsenic, barium, cadmium, copper, iron, lead, manganese, mercury, molybdenum, nickel, and zinc) to characterize the constituents that are most commonly associated with toxicity.
- Specific organics (petroleum hydrocarbons (gasoline range organics [GRO], diesel range organics [DRO], and residual range organics [RRO]), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and pesticides to document any naturally occurring or pre-existing concentrations of these compounds.
- Dissolved organic carbon because of its relevance to bioavailability and toxicity assessments.

Eleven trace elements (aluminum, arsenic, barium, iron, cadmium, copper, lead, manganese, molybdenum, nickel, zinc) were selected for the surface water samples for interpretation out of the 19 trace elements analyzed based on their relative toxicity and importance to maintaining aquatic communities, and on their frequency of detection in the water samples. An additional eight parameters (antimony, beryllium, chromium, mercury, selenium, silver, thallium, vanadium) were interpreted for the groundwater samples.

9.0.6.6. Outlier Analysis

Outliers are points in a data set that represent a rare event, belong to a different population (contamination, disequilibrium), or indicate an analysis error. As one of the QA/QC measures prior to data analysis and interpretation, some of the data points were identified as outliers and removed from the data set because they were considered to be errors or did not appear to represent the ambient water quality. The details of the outlier analysis are documented in Appendix 9.1D, Appendix 9.2C, Appendix 9.3A, and Appendix 9.4A for the respective sub-sections of the water quality study.

Outliers were evaluated by visually inspecting a time series plot for each parameter-station combination. Duplicate (DU) and triplicate (QA) samples were plotted with a distinct symbol to distinguish them from the primary analyses. Non-detects were plotted with a different color to distinguish them from actual results. Non-detects and U- and UJ-flagged data were plotted on the time series at half the MDL and MRL respectively. To help with this evaluation, the statistical normal distribution function was used to determine the 98 percent confidence interval of each parameter-station combination. One percent of the data were statistically lower than the lower limit and one percent of the data were statistically higher than the upper limit. Some parameter-station combinations had an outlier that was much higher than all other data, which resulted in a very wide confidence interval relative to most of the data. This wide confidence interval sometimes included other high concentrations in the data set. In these select cases, the extreme value was removed from the data set and the confidence interval was recalculated, resulting in a smaller confidence interval. These limits statistically included 98 percent of all data and were plotted on the time series as horizontal lines for reference. The average concentration and the upper and lower limits of the 98 percent confidence interval were documented in Appendix 9.1D, Appendix 9.2C, Appendix 9.3A, and Appendix 9.4A. These confidence limits were used in conjunction with professional judgment to identify outliers. The confidence test could not be used without professional judgment because the data sets were often not normally distributed and because the frequency of detection was commonly less than 50 percent for trace metals. For the groundwater samples, non-normal behavior was often due to concentrations that trended downward early in the period of record and stabilized later in the period of record. This behavior represented equilibration of the well chemistry to ambient groundwater conditions, a process that was observed to sometimes take more than a year. Therefore, all data were visually inspected in the time series plots and professional judgment was used to identify outliers. Outliers were labeled as “X+” on the time series plots.

The criteria for flagging outliers in the groundwater samples were somewhat different than the criteria used for surface water samples. For groundwater samples, concentration trends early in the sampling record indicated that the well chemistry was equilibrating with the ambient groundwater quality over time. Therefore, some of the samples from the first year of sampling were flagged as outliers because they did not represent actual groundwater quality. The points flagged as outliers for this reason included some results inside the confidence interval and some results outside the confidence interval. Also, groundwater chemistry in a natural system such as the Pebble study area was expected to be relatively stable. Therefore, isolated samples that had much higher concentrations than otherwise observed were flagged as outliers.

For surface water samples, no trends early in the sampling record were observed so outliers were not flagged on this basis as they were in groundwater. Similarly, surface water chemistry was expected to

have high variability corresponding with seasonal flow rates and temperature, and other environmental influences. Therefore, no outliers were flagged for having high or low concentrations.

Because non-detects were included in the data analysis at half the MDL, a process was also developed for both surface water and groundwater samples for flagging outliers that were non-detects. The criteria for flagging non-detects comprised the following:

- Large changes in detection limit resulting from a change in analytical procedure, typically a difference between analyses during 2004 and all subsequent analyses.
- Non-detects that were higher than other detected values.

In the case of surface water, a specific sub-set of non-detects for bismuth was also flagged. These samples comprised a set of analyses during the fourth quarter of 2007 from a specific laboratory. This laboratory analyzed primary and duplicate samples and was used only during this period. The reported detection limits for these analyses were 40 or 80 micrograms per liter (µg/L). These detection limits were many times higher than the highest detection limit of all other bismuth analyses (0.69 µg/L) and were not confirmed by any of the triplicate analyses.

Based on this methodology, the numbers of confirmed outliers identified were as follows:

- 1,428 surface water analyses (922 for dissolved and 506 for total concentration) in the mine study area (Appendix 9.1D).
- 1,271 groundwater analyses (503 for dissolved and 768 for total concentration) in the mine study area (Appendix 9.2C).
- 43 surface water analyses (18 for dissolved and 25 for total concentration) in the transportation corridor study area (Appendix 9.3A).
- One dissolved groundwater analysis in the transportation corridor study area (Appendix 9.4A).

In all, the number of outliers was small (0.6 percent) considering that 443,361 analyses were completed. All data points flagged as outliers were excluded from the plots, statistics, and interpretation presented in Sections 9.1 through 9.4.

Statistical evaluation of the non-rejected surface-water data was presented using box-and-whisker plots in Appendix 9.1G and 9.1K. These plots include the terms "outlier" and "extreme outlier". The terms used in these plots are distinct from the above discussion of outliers, which described the criteria used to exclude data from evaluation. Instead, these terms were used in Appendix 9.1G and 9.1K to describe values that were considered extreme in relation to the overall data distribution. No data points identified as "outliers" or "extreme outliers" in Appendix 9.1G or 9.1K were excluded from evaluation in this chapter.

9.0.6.7. Logarithmic Scales

Logarithmic scales were often used to plot concentration data that varied over a wide range to make the concentrations easier to distinguish over the full range. For example, arsenic concentrations in groundwater ranged from about 0.02 µg/L to about 50 µg/L. If these concentrations were plotted on an arithmetic scale, the concentrations at low values would be difficult to distinguish. However, plotting

these same concentrations on a logarithmic scale made the concentration easier to distinguish over the full range. Logarithmic scales have this effect because each factor of 10 on a logarithmic scale is represented by an equal distance on the graph (Figure 9.0-3). For example, the distance between 0.01 and 0.1 on a logarithmic scale is the same as the distance between 0.1 and 1.0, and similarly the distance between 0.1 and 1.0 is the same as the distance between 1.0 and 10 (Figure 9.0-3). This approach to scaling leads to non-uniform scaling in-between factors of 10. For example, the distance between 0.1 and 0.2 is greater than the distance between 0.2 and 0.3, which in turn is greater than the distance between 0.3 and 0.4 (Figure 9.0-3). However, the concentrations between the factors of 10 are easily distinguished by the tick marks on the scale. Each tick mark represents an increment appropriate to the factor of 10 to which it applies. For example, between 0.1 and 1.0, each tick mark represents an increment of 0.1 (Figure 9.0-3). Similarly, between 1.0 and 10, each tick mark represents an increment of 1.0. By counting the tick marks up to the measured concentration, the concentration can be easily distinguished. In cases where the concentration falls between two tick marks, the concentration can be estimated. As a hypothetical example, concentrations that range from 0.04 to 7.0 mg/L can be easily distinguished when plotted on a logarithmic scale but are difficult to distinguish when plotted on an arithmetic scale (Figure 9.0-3).

9.0.6.8. Piper Plots

Whereas most plots of water chemistry represent the absolute concentrations of individual constituents, a Piper plot is used to represent the composition of the major ions of a water sample. The major ions in natural waters include the following cations and anions:

- Cations: Ca^{2+}, Mg^{2+}, Na^{+}, K^{+}
- Anions: HCO_3^{-}, CO_3^{2-}, SO_4^{2-}, Cl^{-}

The composition of each water sample can be calculated by determining the percentage of total milli-equivalents that each ion represents. Because the anions HCO3 and CO3 play the same role in buffering the pH of water and because they are typically determined as a sum with an acid-base titration, they are plotted together on the Piper plot as HCO3+CO3. In the cation category, the concentration of potassium is usually small compared to the other cations, so potassium and sodium are also plotted together on the diagram as Na+K.

The Piper plot structure is a composite of three diagrams (Figure 9.0-4):

- one ternary diagram (triangle with three axes) for cations;
- a second ternary diagram for anions; and
- a combined diagram for anions and cations.

Each sample is represented by a point in each of these three diagrams. The location of the point in each of the cation and anion ternary diagrams is determined by the cation and anion composition, respectively (Figure 9.0-4). The location of the point on the combined diagram is determined by projecting each of the points into the combined diagram (Figure 9.0-4).

An example of concentrations in an actual water sample is as follows (expressed in milli-equivalents per liter):

CATIONS			ANIONS		
Concentration (meq/L)		% of Total Cations	Concentration (meq/L)		% of total Anions
Ca:	0.06587	44%	HCO3+CO3:	0.10312	71%
Mg:	0.02197	15%	SO4:	0.02854	20%
Na+K:	0.0609	41%	Cl:	0.01374	9%
Total	0.14874	100%	Total:	0.1454	100%

The "% of Total Cations" and "% of Total Anions" are determined by dividing the milli-equivalents of each parameter by the total milli-equivalents. An example calculation of "% of Total Cations" for calcium is as follows:

$$\% \text{ of Total Cations for Ca} = \frac{0.14874}{0.06587} = 0.443 = 44\%$$

This calculation is repeated for each of the constituents to determine the percentage for each one. The cation composition is then plotted on the ternary diagram for cations (Figure 9.0-4). The scale for calcium is read along the bottom of the cation diagram from right to left, and is projected up and to the left. The scale for magnesium is read along the left-hand side of the triangle and is projected horizontally to the right (Figure 9.0-4). Finally, the scale for Na+K is read along the right-hand side of the diagram from upper left to lower right, and is projected down and to the left. Each of these scales is represented within the diagram by its own set of dashed lines. The intersection of these three lines defines the location of the point in the cation ternary diagram (Figure 9.0-4). This procedure is repeated for the anion composition, and the point is plotted at the intersection of the three lines on the anions diagram (Figure 9.0-4). These two points are then projected into the combined diagram to show the overall anion and cation composition. In this fashion, geochemical facies can be defined within the combined diagram to represent ranges of composition that allow the geochemical composition of the water to be classified.

9.0.6.9. Other Data Reduction Methods

Data reduction that was particular to either surface water or groundwater sampling in either the mine study area or transportation corridor is described in the respective sub-sections.

9.0.7. Approach to Comparison with Water Quality Criteria

The results of the surface water and groundwater quality sampling were compared with the most stringent benchmark water quality criteria that were derived from Title 18 of the Alaska Administrative Code, Chapter 75 (18AAC75), and Alaska Water Quality Criteria (ADEC, 2008; Tables 9.0-2 and 9.0-3). Because these criteria are specific to surface water, the comparisons of groundwater concentrations were not intended to indicate whether these natural concentrations met a given standard. Rather, the

groundwater concentrations were compared with the surface-water criteria to provide context for the sampling results.

Each surface-water and groundwater sample was compared to the criterion by dividing the constituent concentration by the respective criterion. The criterion for pH is a range, the criterion for alkalinity is a lower bound and the criteria for all other parameters is an upper bound. Therefore, except for pH and alkalinity, a ratio greater than one indicated that the concentration was greater than the most stringent maximum ADEC criterion. For alkalinity, a ratio less than one indicated that the concentration was lower than the most stringent minimum ADEC criterion. For pH, a ratio greater than one relative to upper end of the range or a ratio less than one relative to the low end of the range indicated that the pH was outside the range for the most stringent ADEC criterion. Some of the criteria depend on the water hardness. These hardness-dependent criteria are considered preliminary because the metholodology for establishing the appropriate hardness values remains to be determined.

9.0.8. References

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances.

U.S. Environmental Protection Agency (EPA). 2003. Pogo Mine Project, Final Environmental Impact Statement. Prepared by U.S. Environmental Protection Agency, Region 10, Office of Water, NPDES Permits Unit. September 2003.

Hem, J. 1985. Study and Interpretation of the Chemical Characteristics of Natural Water, USGS Water-Supply Paper 2254.

TABLES

TABLE 9.0-1
Analytes for Laboratory Determination

Analyte	Method
Major Cations and Trace Elements	
Aluminum, total and dissolved	EPA 200.8
Antimony, total and dissolved	EPA 200.8
Arsenic, total and dissolved	EPA 200.8
Barium, total and dissolved	EPA 200.8
Beryllium, total and dissolved	EPA 200.8
Bismuth, total and dissolved	EPA 200.8
Boron, total and dissolved	EPA 200.8
Cadmium, total and dissolved	EPA 200.8
Calcium, total and dissolved	EPA 200.7/EPA 200.8
Chromium, total and dissolved	EPA 200.8
Cobalt, total and dissolved	EPA 200.8
Copper, total and dissolved	EPA 200.8
Iron, total and dissolved	EPA 200.7
Lead, total and dissolved	EPA 200.8
Magnesium, total and dissolved	EPA 200.7/200.8
Manganese, total and dissolved	EPA 200.8
Mercury, total	EPA 245.1
Molybdenum, total and dissolved	EPA 200.8
Nickel, total and dissolved	EPA 200.8
Potassium, total and dissolved	EPA 200.7/200.8
Selenium, total and dissolved	EPA 200.8
Silicon, dissolved	EPA 200.8
Silver, total and dissolved	EPA 200.8
Sodium, total and dissolved	EPA 200.7/200.8
Thallium, total and dissolved	EPA 200.8
Tin, total and dissolved	EPA 200.8
Vanadium, total and dissolved	EPA 200.8
Zinc, total and dissolved	EPA 200.8
Major Anions	
Alkalinity	SM 2320B
Chloride	EPA 300.0
Sulfate	EPA 300.0
Other	
pH	EPA 150.1
Specific conductance	SM 2501B
Total dissolved solids	EPA 160.1
Total suspended solids, Tritium	EPA 160.2
Total phosphorous	E365.3

Analyte	Method
Total ammonia nitrogen	SM4500NH3
Nitrate+nitrite	E300.0 and E353.2
Fluoride	EPA 300.0
Total cyanide	SM4500CN-E
WAD cyanide	SM4500CN-I

Key:
EPA = U.S. Environmental Protection Agency.
SOP = standard operating procedure.
WAD = weak acid dissociable.

TABLE 9.0-2
Most Stringent Criterion for Major and Minor Ions, Physical Parameters, and Tritium in Water Criteria

Parameter	Most Stringent Maximum Criterion for Surface or Drinking Water (mg/L)	Source of Most Stringent Criterion
Alkalinity as $CaCO_3$	20	Chronic aquatic life criterion (a)
Total ammonia as N	0.18	Acute aquatic life criterion (a)
Chloride	230	Chronic aquatic life criterion (a)
Cyanide-free	0.0052	Acute aquatic life criterion (a)
Fluoride	1	Drinking Water Primary MCL (a)
Nitrate+Nitrite as N	10	Drinking Water Primary MCL (a)
Sulfate	250	Permit Basis Criteria (b)
TDS	500	(a)
TSS	30	(a)
Tritium	20,000 pCi/L	

Notes:

a. ADEC, 2008.

b. EPA, 2003.

Key:

MCL = maximum contaminant level.

mg/L = milligram(s) per liter.

pCi/L = pico Curies per liter.

TDS = total dissolved solids.

TSS = total suspended solids.

Source: Project Quality Assurance Project Plan (Appendix G of the EBD).

TABLE 9.0-3
Most Stringent Criterion for Trace Metals in Water

Parameter	Most Stringent Maximum Surface or Drinking Water Criterion (µg/L)	Source of Most Stringent Criterion
Aluminum	87	Chronic aquatic life criterion (a)
Antimony	5.6	Human health criteria for non-carcinogens (b)
Arsenic	10	Human health criteria for non-carcinogens (b)
Barium	1,000	Human health criteria for non-carcinogens (b)
Beryllium	4	Drinking Water Primary MCL (a)
Cadmium	0.1	Chronic aquatic life criterion (a)
Chromium	24	Chronic aquatic life criterion (a)
Copper	2.7	Chronic aquatic life criterion (a)
Iron	300	Secondary MCL for water supply (aesthetics) (b)
Lead	0.54	Chronic aquatic life criterion (a)
Manganese	50	Ditto iron (b)
Mercury	0.05	Ditto iron (b)
Molybdenum	10	Irrigation Criteria (a)
Nickel	16	Chronic aquatic life criterion (a)
Selenium	4.6	Chronic aquatic life criterion (a)
Silver	0.32	Acute aquatic life criterion (a)
Thallium	0.24	Human health criteria for non-carcinogens (b)
Vanadium	100	Irrigation Criteria (a)
Zinc	36	Acute aquatic life criterion (a)

Notes:

a. ADEC, 2008.

b. EPA, 2003.

Key:

µg/L = microgram(s) per liter.

MCL = maximum contaminant level.

Source: Project Quality Assurance Project Plan (Appendix G of the EBD).

FIGURES

155°50'0"W 155°40'0"W 155°30'0"W 155°20'0"W 155°10'0"W 155°0'0"W

59°55'0"N 59°50'0"N 59°45'0"N 59°40'0"N

Black Lake
Lilly Lake
Big Wiggly Lake
Frying Pan Lake
North Fork Koktuli River
South Fork Koktuli River
Upper Talarik Creek
Chiquita Lake
Kaskanak Creek
Lake #2
Lower Talarik Creek
Iliamna Lake

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Figure 9.0-1
Mine Study Area

Legend

- General Deposit Location
- Boundary of Mine Study Area

Miles
0 1 2 3 4 5
Kilometers
0 1 2 3 4 5

N

Scale 1:170,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: RDI_SLR_StudyAreaDrainages_Fig9-0-1_11X17L_1of1_D03.mxd	Date:June 30, 2011
Version: 3	Author: RDI- MRA

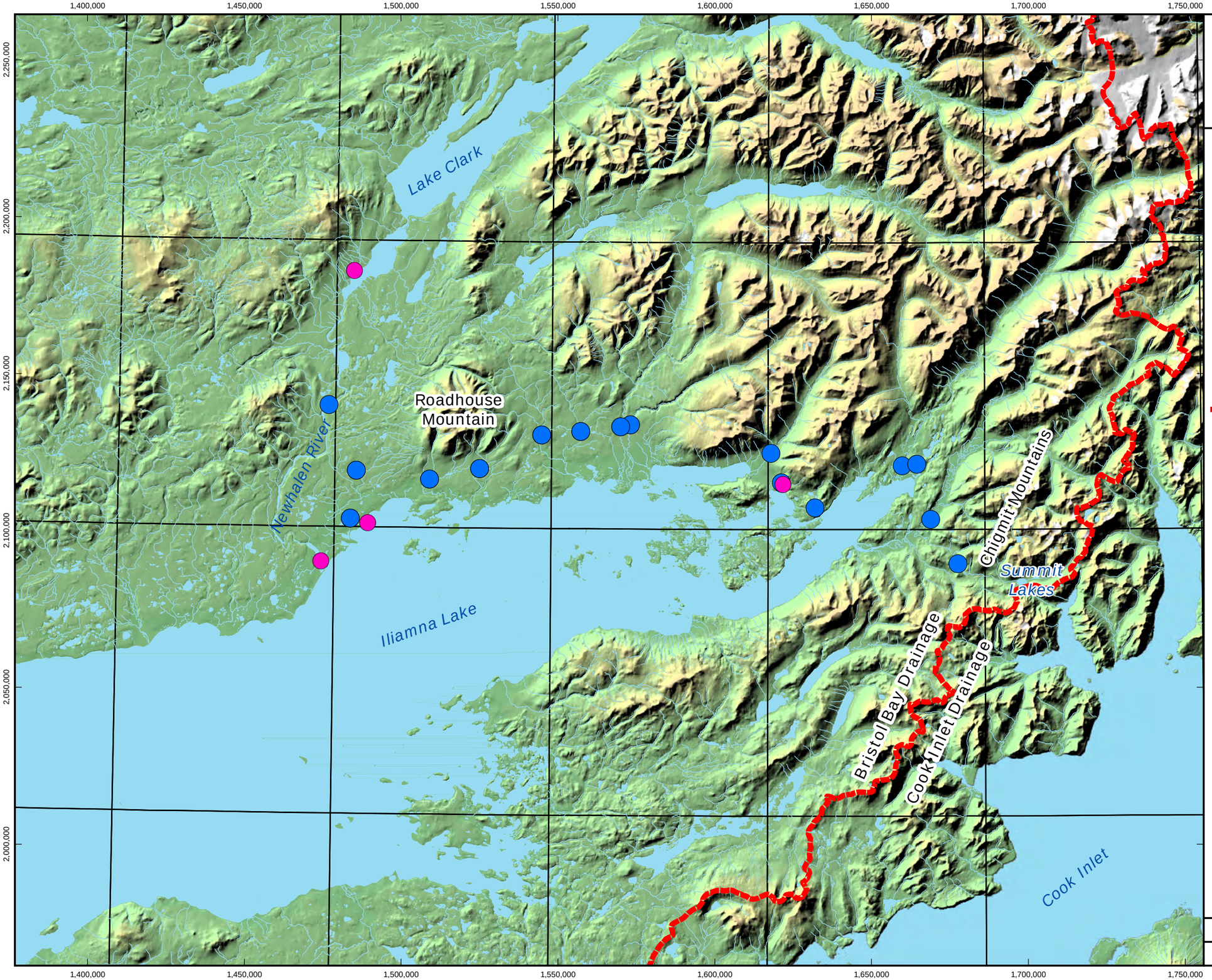

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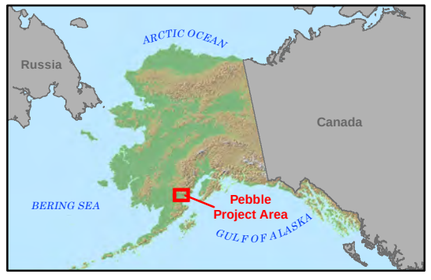
Figure 9.0-2
Transportation Corridor Study Area

Legend

- Bristol Bay/Cook Inlet Drainage Boundary
- Groundwater Quality Sampled in 2004 and 2005
- Surface Water Quality/Sediment



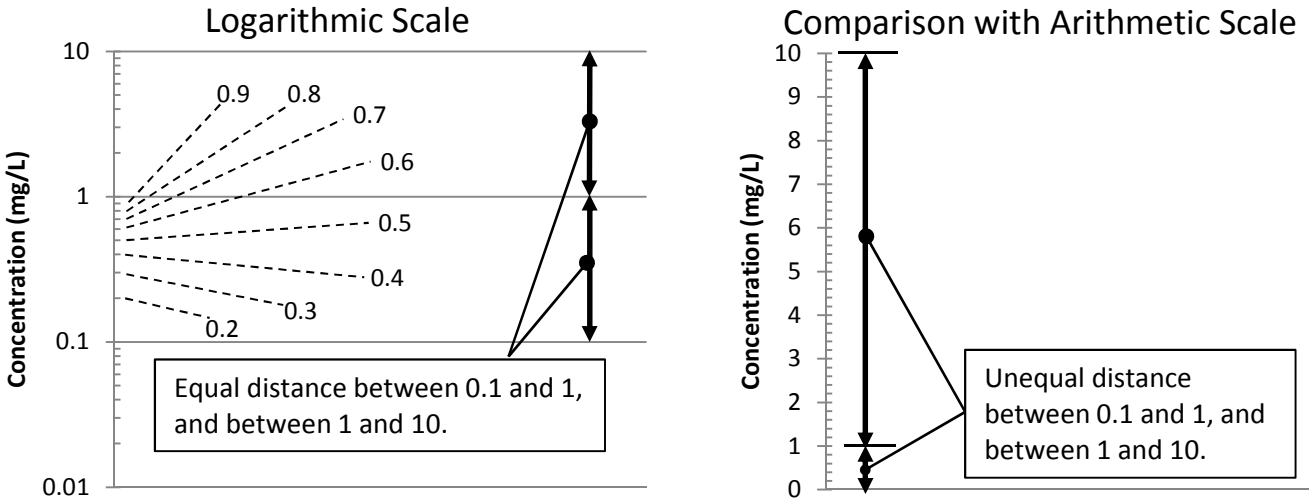
Miles
0 4 8 12 16
Kilometers
0 5 10 15 20
N

Scale 1:363,852

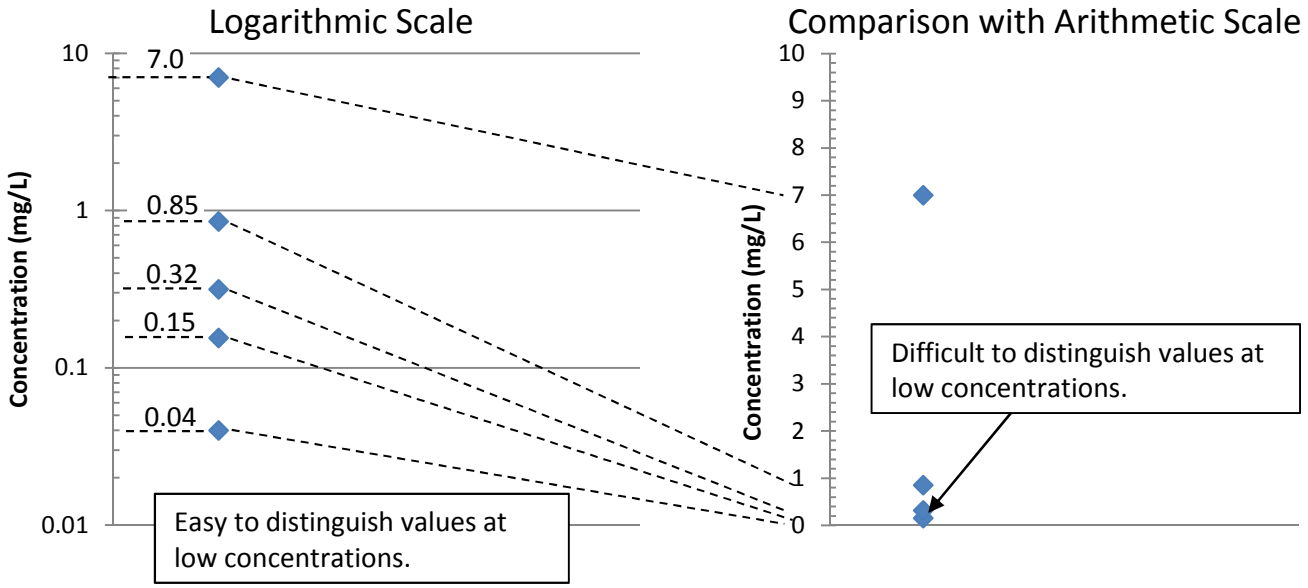
Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: Hydro_EBD4_V09.mxd	Date: June 29, 2011
Version: 9	Author: BI-ME

Explanation of Logarithmic Scale



Example of Using a Logarithmic Scale

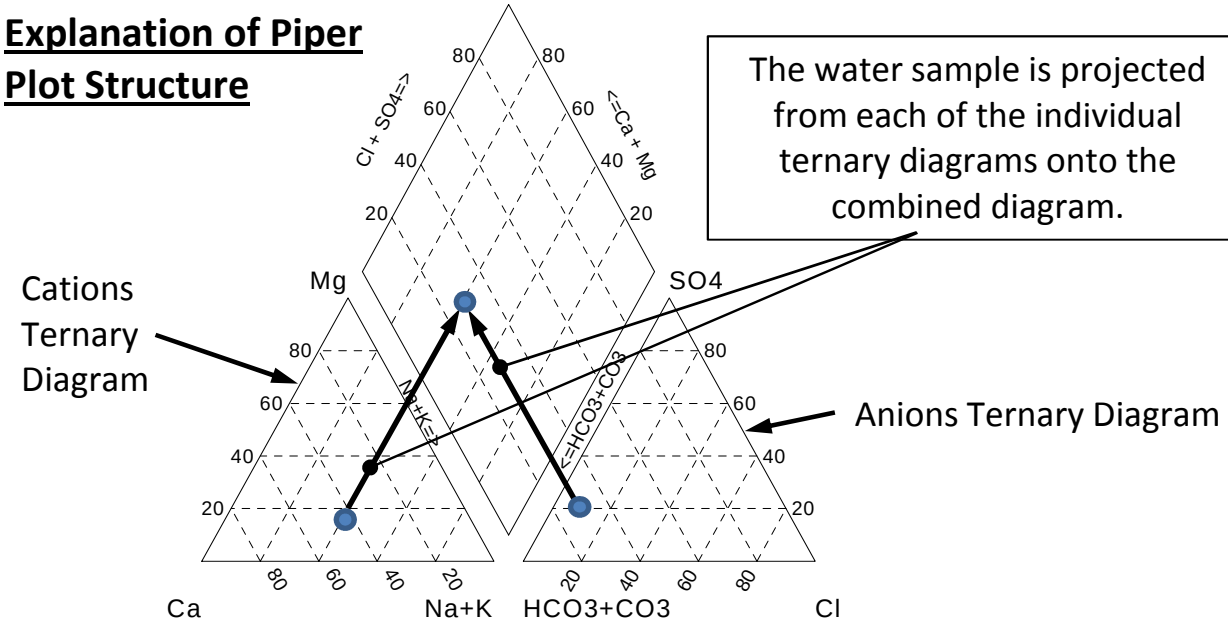


THE pebble PARTNERSHIP

Figure 9.0-3
Explanation and Example of Using a Logarithmic Scale

Project: 7126	Date: June 27, 2011
Version: 1	Author:

Explanation of Piper Plot Structure



Example of Reading a Piper Plot

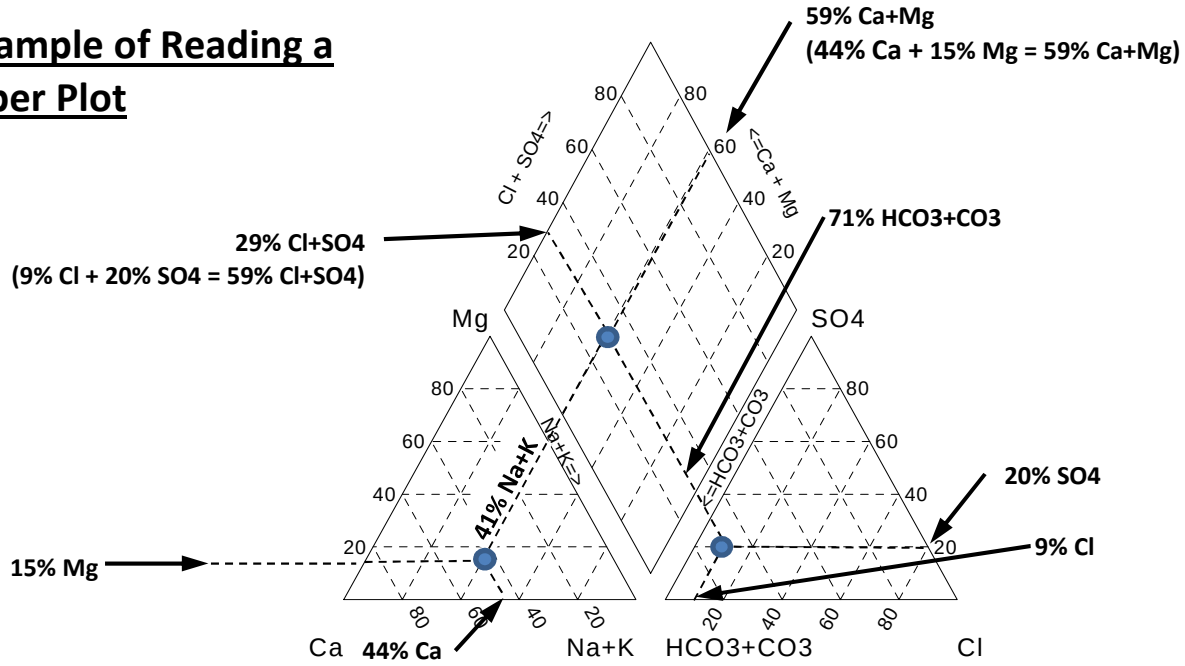


Figure 9.0-4
Explanation and Example of Reading a Piper Plot

Project: 7126	Date: July 7, 2011
Version: 1	Author:

9.1. Surface Water—Mine Study Area

This section presents the findings of an environmental baseline study of surface water quality in the mine study area. From April 2004 through December 2008, samples were collected for laboratory analysis to evaluate water quality of naturally occurring constituents (NOCs) at streams, seeps, and lakes within the study area. The data will be used to characterize the environment.

Stream water quality data and samples were collected from 44 stream sample locations during 50 sampling events (seven events in 2004, nine events in 2005, 10 events in 2006, 12 events in 2007, and 12 events in 2008). Samples were collected across several months in most years and were collected in all months in both 2007 and 2008. Therefore, the collected data characterize water quality during winter low-flow, spring breakup, summer low-flow, and fall precipitation events.

Seep water quality data and samples were collected from 11 locations in March and September 2004, 24 locations in July and October 2005, eight locations in March 2006, 25 locations in June 2006, 24 locations in August 2006, and 59 locations in October 2006. In 2007, 12 seep locations were sampled in March, 65 locations in May, 100 locations in August, 102 locations in September, and 114 locations in October. In 2008, 19 seep locations were sampled in June, and 28 locations each were sampled in August, September, and November. Data were collected to characterize water quality during spring runoff, summer low flow, and fall rains.

Lake water quality data and samples were collected from 19 lakes in July and August 2006, and August 2007. Data were collected to characterize water quality of lakes in the study area during the summer.

Elements common across all types of waterbodies are discussed in Sections 9.1.1 through 9.1.7 (e.g., objectives, scope of work, sample locations). Stream water quality is discussed in Section 9.1.8, seep water quality is discussed in Section 9.1.9, and lake water quality is discussed in Section 9.1.10.

9.1.1. Study Objectives

The stream, seep, and lake water quality program is conducted in conjunction with the hydrology baseline study of surface water (Chapter 7 of this environmental baseline document [EBD]). The program is designed to describe and characterize the water chemistry throughout the year under a range of hydrologic conditions at key locations across the three main watersheds in the study area (Figure 9.1-1). In addition, Kaskanak Creek was studied at one location to compare and contrast with water chemistry in the three main watersheds, in the expectation that no hydrologic connection between the Creek and these watersheds is present. Hydrologically notable events, such as winter low flow and spring breakup, are targeted for water quality sampling. Water quality data are compared to water quality criteria as benchmarks and to other relevant studies as available.

The objectives associated with this study are consistent with those outlined in the consolidated study program for Pebble Project (a copy of which is provided in Appendix E of the EBD) and include the following for streams, seeps, and lakes, respectively.

Specific goals and objectives of the stream sampling program discussed in Section 9.1.8, and the lake sampling program discussed in Section 9.1.10, include the following:

- Collect baseline data to provide scientific documentation of the NOCs, their concentrations, and their variability in surface water.
- Provide a database of site water chemistry.

Specific goals associated with the seeps study described in Section 9.1.9 were developed to meet the overall study objectives, including the following:

- Identify the number of seeps and their locations in the mine study area, and characterize the flow and water chemistry in selected seeps during select times of the year that represent specific flow conditions.
- Establish baseline conditions of NOCs in seeps within the mine study area.
- Identify major factors influencing constituent distribution.

This study advances the overall goal of the hydrological program to characterize surface water expression in the mine study area.

9.1.2. Study Area

The mine study area encompasses 392 square miles and is drained by the North Fork Koktuli River, South Fork Koktuli River, and Upper Talarik Creek (Figure 9.1-1). Kaskanak Creek is in a separate drainage without a direct relationship to the deposit area but is included in the study area to compare and contrast NOC data with the other three river systems. The deposit area, located roughly in the middle of the mine study area, is at an elevation of about 1,150 feet. This location is approximately 2 miles north of a lake, locally named Frying Pan Lake (elevation 943 feet), in the headwaters of the Koktuli River and Upper Talarik Creek.

The North Fork and South Fork Koktuli rivers drain into the Nushagak River and out into Bristol Bay. Kaskanak Creek drains into the Kvichak River, south of Iliamna Lake. Upper Talarik Creek drains into Iliamna Lake, which in turn drains into the Kvichak River.

9.1.3. Previous Studies

Cominco Alaska Exploration (Cominco) (currently doing business as Teck Alaska) began to explore the mine study area in 1986. Drilling started in 1988 and continued through 1993. Water quality sampling was initiated by Cominco during June 1991 at 10 sites (unpublished data). These sites were each sampled five times between June and July 1991 for 24 elements: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc. From August 1991 to November 1993, the original 10 sites were abandoned and monitoring began at five new sites. These new sites were sampled approximately once every month for 10 elements: arsenic, barium, cadmium, chromium, copper, lead, mercury, molybdenum, selenium, and silver.

Three of the 10 Cominco sites sampled during June and July 1991 correspond to current sample locations under the Pebble Project. Cominco sites 5, 6, and 8 correspond to Pebble Project sample locations SK100D, SK100G, and UT100E, respectively (Figure 9.1-2). Data from June and July 1991 for these three sites have detectable results for only seven (aluminum, calcium, iron, magnesium, manganese,

sodium, and zinc) of the 24 constituents tested. The other 17 constituents were not detected by the analytical laboratory.

Three of the five Cominco sites sampled between August 1991 and November 1993 correspond to current sample locations under the Pebble Project. Cominco sites 13, 14, and 17 correspond to Pebble Project sample locations UT100D, SK100G, and SK100F, respectively (Figure 9.1-2). Barium was the only constituent consistently identified above detection limits in these historical samples. Cadmium and chromium were occasionally reported at detectable levels. The North Fork Koktuli River and Kaskanak Creek drainage areas were not sampled by Cominco.

Because of recent improvements in the sensitivity of analytical methods, the laboratory detection limits for constituents in the early 1990s were higher than current detection limits. Most Cominco method reporting limits (MRLs) were at least an order of magnitude higher (some as many as three orders of magnitude) when compared to the current MRLs. Cominco project MRLs and Pebble Project MRLs are presented and compared in Table 9.1-1.

The Cominco water quality data have limited usability for historical comparison to the water quality analytical results from the current Pebble Project sampling program for the following reasons:

- Only a few Cominco sites correspond with current study area sample locations for baseline water quality.
- Very few results from the Cominco sites were above the MRLs.
- Detection limits were substantially higher in the Cominco samples than in the current program.

Therefore, only the Pebble datasets are further considered in this evaluation.

9.1.4. Scope of Work

The field work for this 5-year portion of the baseline study was conducted from April 2004 through December 2008. CH2M Hill, Inc. (CH2M Hill) collected the data from April to September 2004. HDR Alaska, Inc. (HDR) completed the study tasks during the remainder of the 2004 calendar year, and HDR was responsible for collecting all data from January 2005 through December 2007, with the exception of three Alaska Peninsula Corporation (APC) sites on Upper Talarik Creek and sample location NH100APC1 on the Newhalen River. APC began collecting data on these four locations in August 2007. HDR and SLR Alaska (SLR) jointly collected the pond water samples.

APC began sampling all Upper Talarik Creek and Newhalen River sites in January 2008, and HDR continued to collect data on the South and North Fork Koktuli rivers, main stem Koktuli River, and Kaskanak Creek. Water quality samples were collected from stream surface water within the mine study area, and sediment samples were collected from a subset of surface water sample locations. Sediment is further discussed in Chapter 10 of the EBD. All sampling locations discussed in Section 9.1 are shown on Figure 9.1-2.

At the time of sample collection, the following field parameters were measured and recorded:

- Dissolved oxygen (DO) measured as concentration (milligrams per liter [mg/L]) and percentage.
- pH.

- Oxidation reduction potential (ORP).
- Specific conductivity.
- Turbidity.
- Water temperature.
- Surface water velocity.

The analytical and field measurement data for trace elements, ions, and field and physical parameters were collected over a 5-year period from April 2004 to December 2008. Stream, seep, and lake samples were all analyzed for the same set of constituents (Table 9.1-3). A summary of the NOC parameter results from these samples is provided in Appendix 9.1B.

9.1.4.1. Streams

The scope of work for the stream water quality samples under the surface water program for rivers described in Section 9.1.8 included the following tasks:

- Collection of depth-integrated composite or grab water quality samples at 44 stream sample locations during 50 sampling events from April 2004 through December 2008.
- Measurement of field parameters at the stream sample locations for each sampling event.

Table 9.1-2 contains the period-of-record index by sample location for activities related to the stream surface water quality program during April 2004 through December 2008. The table identifies the months in which measurements were made and samples were collected. Sampling locations for streams are shown on Figure 9.1-3. Photographs of the stream sampling locations in different seasons are provided in Appendix 9.1A. Sampling locations for streams are shown on Figure 9.1-3.

The number of samples collected from each sampling location varied slightly for several reasons. Because of weather conditions, lack of access, or lack of flow, not all stream locations were sampled during each sampling event. For most locations, these factors resulted in fewer stream surface water samples being collected from tributaries than from main stem sampling locations. Sampling locations were also added and removed at different times throughout the program resulting in varying lengths of record between sites. Additionally, water quality sample collection became more systematic and more frequent as the program evolved. For most locations, the fewest samples per year were collected during the first year of sample collection (2004). The number of stream samples collected yearly increased until 2007, when regular scheduled sampling began across all locations; however although the regularly scheduled sampling continued into 2008, the total number of samples collected in 2008 declined overall because fewer sampling locations were included in the program.

In addition to the analyses discussed above, a subset of stream samples was analyzed for petroleum hydrocarbons (gasoline range organics [GRO], diesel range organics [DRO], and residual range organics [RRO]), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and pesticides. None of the compounds in these analytical suites were detected at concentrations above MRLs, so they are excluded from further evaluation. A summary of the organic parameter results from these samples is provided in Appendix 9.1B.

9.1.4.2. Seeps

The following scope of work was conducted for the baseline evaluation of seeps in the mine study area from 2004 through 2008.

- 2004:
  - Collection of 18 grab water samples from 11 seep sample locations in May and September for chemical analysis of trace metals, ions, and flow measurements.
  - Measurement of field parameters (temperature, specific conductivity, DO, pH, ORP, and turbidity) at the seep sample locations for each sampling event.
- 2005:
  - Collection of 88 grab water samples from 29 seep sample locations in March, July, and October for chemical analysis of trace metals, ions, and flow measurements.
  - Measurement of field parameters (temperature, specific conductivity, DO, pH, ORP, and turbidity) at the seep sample locations.
- 2006:
  - Collection of 118 grab water samples from 59 seep sample locations in March, June, August, and October for chemical analysis of trace metals, ions, and flow measurements.
  - Measurement of field parameters (temperature, specific conductivity, DO, pH, ORP, and turbidity) at the seep sample locations for each sampling event.
- 2007:
  - Collection of 412 grab water samples from 127 seep sample locations in March, May, August, September, and October for chemical analysis of trace metals, ions, and flow measurements.
  - Measurement of field parameters (temperature, specific conductivity, DO, pH, ORP, and turbidity) at the seep sample locations for each sampling event.
- 2008:
  - Collection of 66 grab water samples from 28 seep sample locations in June, August, September, and November for chemical analysis of trace metals, ions, and flow measurements.
  - Measurement of field parameters (temperature, specific conductivity, DO, pH, ORP, and turbidity) at the seep sample locations for each sampling event.

NOCs were analyzed in 650 seep samples over the 5-year period. Seep water quality data are discussed in Section 9.1.9. Seep sampling locations are shown on Figure 9.1-4, and photographs from sampling events are provided in Appendix 9.1C. The comprehensive seep inventory is shown on Figure 9.1-5.

9.1.4.3. Lakes and Ponds

The following scope of work was conducted for the baseline evaluation of lakes in the mine study area in 2006 and 2007.

- 2006:
  - Collection of 28 grab water samples from 19 lakes in July and August for chemical analysis of trace metals, ions, and miscellaneous parameters.
  - Field measurements were collected at each of the 28 sampling locations.
- 2007:
  - Collection of 19 grab water samples from 19 lakes in August for chemical analysis of trace metals, ions, and miscellaneous parameters.
  - Field measurements were collected at each of the 28 sampling locations.

Constituents were analyzed in 47 samples over the 5-year period, as discussed in Section 9.1.10. Lake surface water sampling locations are shown on Figure 9.1-6.

9.1.5. Methods

9.1.5.1. Water Quality Stream Sample Location Selection and Nomenclature

Selection and development of sample locations was coordinated with other baseline program teams, including those studying hydrology, fish, aquatic resources, sediment, and trace elements. Twenty-nine sample locations were selected in 2004 for water quality measurements. Three sample locations were added in 2005. These locations were selected based on the following considerations:

- Characterization of drainage areas.
- Historical (Cominco) baseline sample locations.
- Groundwater and surface water interactions.
- Locations upstream and downstream of the deposit area.
- Surface waterbodies in the general vicinity of the deposit area.
- Feedback from the Pebble Project hydrology, fish, aquatic resources, sediment, and trace element baseline program teams.

Nomenclature for identifying stream sample locations (Figure 9.1-3) is described below:

- KC = Kaskanak Creek.
- KR = Koktuli River.
- NH = Newhalen River.
- NK = North Fork Koktuli River.
- SK = South Fork Koktuli River.
- UT = Upper Talarik Creek.
- APC = Indicates sites located on APC land.

- Main stem channels are designated as 100, and each tributary stream is numbered in a sequential upstream fashion (101, 102, etc.).
- Each stream identification number is followed by a sequential letter that is a sample location identifier (A, B, C, etc.); an "A" denotes the most downstream sample location on a stream or tributary.

For example, sample location UT119A refers to the most downstream sample location on the 19th mapped tributary to Upper Talarik Creek from its mouth. Sample location SK100B refers to the second most downstream sample location on the main stem of the South Fork Koktuli River.

Three sample locations (SK100B, NK100A, and UT100B) for U.S. Geological Survey (USGS) hydrologic surveys were installed during the July 2004 field trip; these locations were added to the sample inventory. Several sample locations initially selected by CH2M Hill in April 2004 were moved either upstream or downstream of the initial location, or they were removed from or added to the program. Sample locations that were dropped are NK100D, SK100E, UT100C, and UT135B. Locations KC100A, NK100A, NK100B, NK100C, NK119A, and NK119B were moved after the first month or two of data collection in 2004. Three new stream sample locations were added in 2005 (SK124A, SK100B1, and SK100B2).

9.1.5.2. Seep Sample Location Selection and Nomenclature

Seep sample locations were identified with either "SP" or "SRK," followed by a unique two- to four-digit number. The seep program sample locations are shown on Figure 9.1-4. The seep sampling site locations and sampling frequencies evolved over the 5-year study period.

The seeps inventory program documented the location and relative size of seeps within the mine study area. The seep inventory areas were defined and selected by Schlumberger Water Services, (formerly known as Water Management Consultants), using a variety of criteria including upwelling areas, and inter-basin transfers. The working definition of a seep used for the purposes of this task is defined as follows:

- Seep exhibiting a distinct groundwater point source and distinct flow path extending downslope approximately 30 feet or until it entered a larger drainage feature, or
- Large diffuse seep areas with dry ground up-gradient and that coalesced into a distinct flow path down-gradient.

Features that were ***not*** mapped include the following:

- Small features that appeared to be directly reabsorbed downslope.
- Small drainages with accumulating surface runoff.
- Meltwater features that coalesced below snowfields.
- Marshy areas and ponds with no distinct flow path below the feature.

Seeps inventories were conducted via aerial surveys with helicopter support. All inventory areas were overflown in a helicopter at altitudes ranging from 50 feet to 150 feet above ground level. Initially, inventory areas were canvassed at the higher altitude and speed to conduct a reconnaissance of the seeps.

A more detailed inventory was then conducted at the lower altitude to achieve 100-percent coverage. The Global Positioning System (GPS) track log feature was used to assure all areas were canvassed. The seeps were marked with waypoints in order to locate them on the ground. Seep inventories were conducted during several open-water conditions and runoff regimes. The seep inventory locations are shown on Figure 9.1-5.

9.1.5.3. Water Quality Stream Field Measurement

The field team measured field parameters in situ and collected water samples during each stream water quality sampling event. Data were collected in accordance with the consolidated study program for Pebble Project (Appendix E of the EBD), the Field Sampling Plan (FSP; Appendix F of the EBD), and the Quality Assurance Project Plan (QAPP; Appendix G of the EBD). Quality assurance (QA) and quality control (QC) procedures were followed during sample collection, processing, and shipping.

In 2004, a Hydrolab Quanta multiprobe meter was used to measure specific conductivity, water temperature, pH, ORP, and DO in the field. In subsequent years, the team members switched to the YSI 556 multiprobe meter to collect field parameters. Otherwise, the measurements were made consistent with the FSP and QAPP.

Analytical surface water samples were collected using the appropriate technique for the field conditions at the time of the sampling. For example, during periods of open-water conditions and where adequate depths (greater than 1 foot of water) permitted use of depth-integrating equipment, stream samples were collected with a DH-48 sampler in 2004 and a DH-81 sampler in later years. Grab sampling was necessary in shallow streams and during freeze-over periods. Grab sampling was also used for safety reasons during high-flow conditions when the water was likely to be thoroughly mixed due to high turbulence.

The field team filtered all water samples to be analyzed for dissolved elements through 0.45-micron capsule filters using a peristaltic pump and surgical tubing at the base camp in Iliamna. These samples were filtered and preserved, in accordance with the QAPP, within 12 hours of collection. Dissolved concentrations were occasionally greater than total concentrations of the same constituent, either due to natural variability in analytical results, or possibly as a result of the type of filter used for the study, or possibly due to field contamination during filtering. In response, the FSP was amended to include the use of a filtering hood to eliminate airborne particles during filtration.

In addition, stream samples were collected in August and October 2004 and July 2005 for analysis of some organic compounds (petroleum hydrocarbons, pesticides, PCBs, VOCs, and SVOCs). These methods, individual compounds, and MRLs can be found in the QAPP (Appendix G of the EBD).

QA/QC samples were collected during each sampling event in accordance with the QAPP (Appendix G of the EBD). These included duplicates, triplicates, matrix spike/matrix spike duplicates, filtered equipment rinsate, filtered deionized water, and nonfiltered deionized water. Trip blanks provided by the laboratories were kept with the samples during sample collection and shipment. After the sampling team returned from the field and filtered samples for dissolved constituent analyses, the samples were transferred to a representative of Shaw Alaska, Inc. The Shaw representative completed chain-of-custody forms, ensured samples were properly preserved and refrigerated, packed samples, and shipped samples to the analytical laboratories. Primary samples were sent to and analyzed by SGS Environmental Services,

Inc. (currently doing business as SGS North America, Inc. [SGS]) in Anchorage, Alaska. Columbia Analytical Services in Kelso, Washington, received and analyzed QA/QC samples. Samples were analyzed for the parameters listed in Table 9.1-3.

9.1.5.4. Water Quality Seep Sample Collection

The field sampling work consisted of sampling a representative subset of the inventory sites for surface water quality and flow. Within this subset, surface water samples and flow measurements were taken at each seep sampling site up to five times per year to capture water base flow (March to April), spring breakup (May to June), summer low flow (August), a fall event (September), and late flow (November). The timing of sampling events varied from year to year due primarily to access limitations caused by weather, and all of the seasonal variation could not be captured each year during sampling; for example, only four sampling events could be conducted in 2008. Only field parameters were collected at three of the 28 locations in 2008. Analytical and field data were both collected and analyzed at 25 locations in 2008.

The field team measured in situ field parameters and collected water samples during each sampling event. Sample collection, processing, and shipping followed the protocols of the consolidated study program for Pebble Project (Appendix E of the EBD), the FSP (Appendix F of the EBD), and the QA/QC procedures outlined in the QAPP (Appendix G of the EBD)

Team members collected seep water samples for laboratory analysis of total and dissolved trace metals, major ions, and field and physical parameters (Table 9.1-3). On the initial visit to a sampling location, a GPS point was recorded, a fiberglass stake was placed in the ground, and the station was “developed.” Development entailed selecting a location that would capture the maximum percentage of the seep flow while maintaining repeatability and consistency of the flow measurement. Often, several smaller flows were channelized to a location with suitable characteristics for capturing the flow. Any channeling of flows was also documented at that time with sketches and photographs. The seep flow substrate was smoothed and reshaped to accept the portable weir or to create a free overfall for direct catch. Large rocks and other obstructions were removed. On return visits, collection ditches were maintained for repeatability of the flow measurement. During spring events, snowdrifts occasionally necessitated sampling at locations that were near, but not exactly at, the original location.

Due to the variability in the size of seeps, two methods and/or apparatus were used to measure discharge:

- Direct Catch: This method was used for seeps with small flows and as a supplementary method on mid-sized seeps to calibrate the weir flow data. Direct flow was captured over a timed period in a calibrated container. Direct catch was limited to flows that could be captured in a 5-gallon bucket in 2 to 3 seconds. This method is quick and repeatable. It was the preferred method where applicable.
- Portable Weirs: Four portable weirs were used on this project: 60-degree, 90-degree, and 120-degree V-notch weirs and a 3-foot rectangular weir. The size of the weir used was dependent on the amount of the seep flow. All of the weirs were fitted with a rubber skirt that conformed to the bottom of the flow channel. Sediments, mud, moss, and rocks were used to seal the skirt along its upstream edge, and static water pressure held the weir and skirt in place. The water head above the crest of the weir was then recorded. Estimated percentage of the total flow captured was

recorded. Conditions that affected this percentage were the shape and slope of the channel, the coarseness and gradation of the substrate, and the availability of sealing materials (mud, moss, sand, etc.). Once a station was established, the percentage of capture remained approximately equal for successive sampling events.

The flow measurement methods outlined above were intended to give relative and repeatable flow values in order to compare flows at different times of the year and in different weather, groundwater, and precipitation events. These different sampling techniques are shown in the first few photographs of Appendix 9.1C.

9.1.5.5. Seep Review Methodology

Due to the large number of seeps monitored during previous years, SWS reevaluated the seep program at the start of the 2008 season with the goals of reducing redundancy in aerial coverage and focusing attention on seeps deemed more representative of site conditions and presenting greater potential for contribution to the local surface water system. Based on geographic location, size, water chemistry, and aquifer type, 28 of the original 127 sampled sites were selected for sampling in 2008. As indicated in the February 2008 memorandum issued by Schlumberger Water Services to Northern Dynasty Mines, Inc. (NDM; now Pebble Partnership), SGS reviewed each of the 127 seeps on the 2007 monitoring list, considering the following attributes:

- Seeps in close proximity to each other.
- Seep flow rate.
- Seep water quality (based on both field index parameters and chemical analyses).
- Bedrock geology.
- Surficial geology area coverage, watershed, and proximity to stream monitoring stations.
- Elevations.

A combination of the seep attributes indicated above was considered in judging the relative importance of the seep and classifying the seeps into three categories as follows:

- H – High – overall importance is high if any attributes were designated high, or seep presents unique site location or geologic setting.
- M – Medium – overall importance is medium when attribute importance does not warrant high designation, yet also some of the attributes are above low importance.
- L – Low – overall importance is low when no attribute importance exceeds low designation.

The “high” category comprises 30 seeps distributed over the study area, with the highest density near the deposit area. These 30 seeps cover all geological units. High importance was given in particular to those seeps with elevated sulfate and trace metals.

The “medium” category comprises 46 seeps. Most of the M-category seeps were recommended for removal from the regular monitoring list due to possible duplication or similar lithological type or chemistry relative to nearby seeps.

The “low” category of seeps includes mostly those with low (less than 0.01 cubic feet per second) or zero flow during dry season. Almost all “low” category seeps were recommended to be removed from the regular seep monitoring program. Other seeps of this category mostly reflect duplicate locations, discharging from the same geologic unit, and have typical chemistry as other seeps with more flow.

Based on the above analysis of the seeps, Water Management Consultants recommended monitoring only 28 seeps during 2008. The seeps were distributed in each watershed as follows:

- North Fork Koktuli River drainage – 7 seeps.
- South Fork Koktuli River drainage – 9 seeps.
- Upper Talarik Creek drainage – 12 seeps.

The seeps recommended for monitoring generally have moderate to high flow rates during the dry time of year. The seeps provide overall general coverage of the mine study area and also are representative of various elevation intervals and almost all geologic settings across the site. Most (21 of 28) of the seeps recommended for monitoring are in the “high” category, and the remaining seven are in the “medium” category.

None of the South Fork Koktuli River drainage seeps located in the immediate area of the Pebble Deposit were included on the 2008 monitoring list because a significant amount of data is already on record for these locations. Also, seeps that demonstrated high water temperature were not included for additional monitoring because these seeps are considered to originate from nearby surface water with short underground residence time.

Spatial and temporal trend analysis was conducted for a subset of seeps in each watershed. The seeps evaluated from each drainage area were selected based on their unique characteristics and impact on overall surface water quality (e.g., high-flow seeps were preferentially selected over low-flow seeps) as discussed earlier in this section. The seeps and their rationale for inclusion based on the criteria developed by SWS are presented in Table 9.1-4.

9.1.6. Data Reduction

This section summarizes how the raw data were processed and evaluated. Only primary sample data were used for analyses in this EBD. Duplicate and triplicate sample data were used only for evaluation of precision. Some results were rejected during data validation; the majority of these were dissolved-constituent data. These rejected results were excluded from the datasets, resulting in fewer results for some constituents. Only sample locations from which analytical data were usable, as determined by the data validation process, were evaluated. Both field and laboratory data were available for pH; but only field pH data were incorporated into the quantitative evaluation because these measurements were more representative of field conditions than laboratory pH data. Laboratory pH data were only used to determine the pH at the time of laboratory analysis and are not relevant to baseline data.

Summary statistics were first developed for all data compiled from 2004 through 2008 for all seasons and watersheds to obtain general information on the ranges of constituent concentrations, distribution of data, and its variability. Stream, seep, and lake data were evaluated separately. Data were also separately

compiled and summarized by watershed to make general comparisons in data variability across the North Fork Koktuli River, South Fork Koktuli River, Upper Talarik Creek, and Kaskanak Creek drainages.

The following general statistics were compiled for each dataset:

- Minimum and maximum detected concentrations.
- Sample-specific minimum and maximum method detection limits (MDLs) and MRLs.
- Number of results detected.
- Number of samples analyzed.
- Frequency of detection.
- Arithmetic mean and median concentrations.
- Standard deviations and coefficients of variation.

Non-detect results were included for statistical summaries as one-half the MDL, . For all other statistical analyses, only detected concentrations, including estimated results below the detection limit, were included to avoid skewing the datasets based on multiple non-detect values. Statistical summary tables for North Fork Koktuli, South Fork Koktuli, Upper Talarik Creek, and Kaskanak Creek systems are provided as Tables 9.1-5 through 9.1-8, respectively.

Except for spatial analyses, all sampling locations were included in the evaluation. For spatial analyses, only data from main stem sample locations were included. Tributary data were not included in the spatial analysis so the main stems of the three main river systems could be directly compared.

The statistical analyses presented later in this section were performed for total and dissolved trace elements, major ions, field and physical parameters, and cyanides.

In addition, the data for a subset of 25 seeps identified by SWS for continued monitoring in 2008 were separated by watershed, and seeps within each watershed were grouped by seep discharge velocity to evaluate the potential effect of groundwater discharge on trace elements concentrations.

9.1.7. Outlier Analysis

Outliers are points in a dataset that represent a rare event, belong to a different population (contamination, disequilibrium), or indicate an analysis error. As part of the QA/QC measures, outliers that were considered to be errors, or considered to not represent the ambient groundwater, were documented in the dataset. As summarized in Section 9.0.6.6, 1,428 outliers were identified in the mine study area.

Most samples had no flagged data points. Samples with flagged data points typically had only one or two results flagged. This included 117 of the 17,060 stream surface water data points in the North Fork Koktuli River, 329 of the 49,098 surface water data points in the South Fork Koktuli River, and 363 of the 36,199 surface water data points in the Upper Talarik Creek. Overall, the percentage of outliers was very small for the 102,357 stream surface water data points (0.79%). The number of outliers identified in the seep dataset (521 of the 47,617 seep data points; 1.1%) was slightly greater than in the stream samples, but also represented a very low percentage of the data points. The outlier analysis is graphically presented in Appendix 9.1D.

Statistical evaluation of the non-rejected surface-water data was presented using box-and-whisker plots in Appendix 9.1G and 9.1K. These plots include the terms "outlier" and "extreme outlier". The terms used in these plots are distinct from the above discussion of outliers, which described the criteria used to exclude data from evaluation. Instead, these terms were used in Appendix 9.1G and 9.1K to describe values that were considered extreme in relation to the overall data distribution. No data points identified as "outliers" or "extreme outliers" in Appendix 9.1G or 9.1K were excluded from evaluation in this chapter.

9.1.8. Streams

9.1.8.1. Results and Discussion: North Fork Koktuli River

This section presents the findings of the surface water quality study in the North Fork Koktuli River drainage. Surface water samples and measurement of physical and chemical parameters were obtained from the river and its tributaries to establish baseline conditions and to assess the spatial and temporal variability of field and physical parameters, major ions, nutrients, trace elements, and cyanides in the drainage. The analysis was conducted using data acquired during the 5-year period from 2004 to 2008.

The North Fork Koktuli River study area includes one tributary and encompasses approximately 20 miles of the main stem, originating from just north of Big Wiggly Lake and ending at the confluence with South Fork Koktuli River. Sampling locations are greater than 1 mile away from the general deposit area.

Two hundred forty one surface water samples were collected and analyzed from seven sampling locations in the North Fork Koktuli River and its tributary between 2004 and 2008. The results from these analyses are presented in Table 9.1.5.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, cyanides, and organic compounds.

Field and Physical Parameters

Eight field and physical parameters were measured in North Fork Koktuli River surface water samples, including total dissolved solids (TDS), field pH, DO, water temperature, field-specific conductivity, turbidity, total suspended solids (TSS), and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-5. The overall coefficient of variation (CV) for this group was 0.81, which is similar to that of the South Fork Koktuli River and Upper Talarik and Kaskanak Creeks.

Total Dissolved Solids. The frequency of detection (FOD) for TDS was 99 percent. TDS was detected at a mean concentration of 37 mg/L. The CV for TDS was 0.035. TDS is low relative to rivers in more-developed areas.

pH (Field). The mean pH in North Fork Koktuli River samples was 6.74. The CV for pH was 0.10, consistent with a tight data distribution. A pH median of 6.77 (pH units) indicates that the water in the North Fork Koktuli River is slightly acidic.

Dissolved Oxygen. DO was detected at a mean concentration of 10.2 mg/L. The CV for DO was 0.2. Overall, DO measurements indicated the surface water is well aerated.

Water Temperature. The mean water temperature was 4.39 degrees Celsius (^{o}C). The CV for water temperature was 1.12. Temperature fluctuates seasonally, but generally water temperature is cold, at a median temperature of 1.85^{o}C.

Specific Conductivity (Field). Specific conductivity was present in all samples at a mean concentration of 46.0 microSiemens per centimeter (uS/cm). The CV for specific conductivity was 0.31.

Turbidity. The mean concentration for turbidity was 1.33 nephelometric turbidity units (NTU). The CV for turbidity was 1.79, with variability similar to that for TSS. Turbidity is generally low in the North Fork Koktuli River, as indicated by the mean concentration of 1.33 NTU.

Total Suspended Solids. The FOD for TSS was 81 percent. TSS was detected at a mean concentration of 1.39 mg/L. The CV for TSS was 1.9, indicating a much wider fluctuation of concentrations than for TDS. However, as for TDS, TSS is low relative to rivers in more-developed areas.

Oxidation Reduction Potential. ORP was detected in all samples at a mean concentration of 133 millivolts (mV), with a range of -182 mV to 345 mV. The CV for ORP was 0.69.

Major Ions

North Fork Koktuli River surface water data for nine parameters (calcium, magnesium, sodium, and potassium, as well as alkalinity, sulfate, chloride, fluoride, and hardness [filtered and not filtered]) are discussed in this section and summarized in Table 9.1-5. Data for other analyzed parameters in this group (e.g., total acidity, and ion balance) can be found in Appendix 9.1B.

The major ion concentrations found in the study area were similar to concentrations reported by the USGS from the Lake Clark area (Brabets and Riehle, 2003; Brabets, 2002); however, a greater range of values was found in this study.

All of the major ions were detected in all samples, except fluoride (48 percent FOD) and alkalinity (99.6 percent FOD). Calcium and sodium were detected at the highest mean concentrations in this group of parameters; fluoride had a mean concentration an order of magnitude lower than the other major ions (Table 9.1-5).

The average CV for the major ions was 0.39, indicating relatively low variability in concentrations of these parameters relative to trace elements (overall CV of 1.6).

Calcium (Total). Total calcium was detected at a mean concentration of 5.03 mg/L, which was essentially the same as dissolved calcium. The CV for total calcium was 0.35.

Calcium (Dissolved). Dissolved calcium was detected in all samples at a mean concentration of 5.09 mg/L, the highest concentrations of all major ions. Calcium was detected above the reported detection limits (MRLs) in all samples. The CV for dissolved calcium was 0.35.

Magnesium (Total). Total magnesium was detected in all samples at a mean concentration of 1.31 mg/L, which is essentially the same as for dissolved magnesium. The CV for total magnesium was 0.45, indicating concentrations were generally similar across locations and sampling dates.

Magnesium (Dissolved). Dissolved magnesium was detected in all samples at a mean concentration of 1.32 mg/L, which is the third most abundant ion for streams in this drainage. The CV for dissolved magnesium was 0.44.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.35 mg/L. The CV for total sodium was 0.23.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.38 mg/L and is the second most abundant ion in the NFK river samples. The CV for dissolved sodium was 0.23.

Potassium (Total). Total potassium was detected in all samples at a mean concentration of 0.39 mg/L, making potassium one of the most abundant elements present in river samples for this drainage. The CV for total potassium was 0.40.

Potassium (Dissolved). Dissolved potassium was detected in all samples at a mean concentration of 0.41 mg/L, making it one of the more abundant dissolved metals for river samples in the drainage. The CV for dissolved potassium was 0.39.

Alkalinity, Total. The FOD for total alkalinity was 99.6 percent. Total alkalinity was detected at a mean concentration of 20.5 mg/L. The CV for total alkalinity was 0.38.

Sulfate. Sulfate was detected in all samples from the North Fork Koktuli River, at a mean concentration of 2.26 mg/L. The CV for sulfate was 0.56. Sulfate concentrations are similar to sodium concentrations for river samples in this drainage.

Chloride. Chloride was detected in all surface water samples in the North Fork Koktuli River at a mean concentration of 0.66 mg/L. The CV for chloride was 0.25, implying a small range of concentrations across North Fork Koktuli river samples as shown on Table 9.1-5.

Fluoride. The FOD for fluoride was 48 percent. Fluoride was detected at a mean concentration of 0.03 mg/L, which is below the MDL for fluoride. Most detects were below the MRLMRL, indicating the mean is a function of detection limits and estimated values. Concentrations of fluoride are about $1/20^{th}$ the concentrations of chloride found in these samples.

Hardness as $CaCO_3$ (Filtered). Hardness as calcium carbonate ($CaCO_3$; [filtered]) was detected in all 30 samples at a mean concentration of 14.4 mg/L. The CV for hardness as $CaCO_3$ (filtered) was 0.36. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected in all 233 samples at a mean concentration of 17.9 mg/L, which is slightly higher than the mean for filtered hardness. The CV for hardness as $CaCO_3$ (not filtered) was 0.37.

Nutrients

Data for three parameters (nitrogen, total ammonia [as N]; total nitrate+nitrite [as N]; and phosphorus) are discussed in this section and summarized in Table 9.1-5. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1B. The overall coefficient

of variation (CV) for this group was 1.50, which is higher than that of the South Fork Koktuli River and Upper Talarik Creek, and 50 percent higher than that of Kaskanak Creek samples.

Nitrogen, Total Ammonia (as N). The FOD for nitrogen, total ammonia (as N) was 21 percent. Most samples were detected at concentrations below the MRL and thus represent estimated values. As a result, the calculated mean concentration of 0.032 mg/L is at the lower end of the range of MDLs. The CV for total ammonia (as N) was 0.88.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 77 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.2 mg/L. The CV for total nitrate+nitrite (as N) was 2.22, indicating relatively high variability for this parameter. Total nitrate+nitrite (as N) is dominated by nitrate, as shown by the relative abundance of the two components of the mixture.

Phosphorus. The FOD for phosphorus was 80 percent. Phosphorus was detected at a mean concentration of 0.024 mg/L, which is within the range of MRLs and MDLs. The mean is, in part, a function of detection limits and estimated values. The CV for phosphorus was 1.39.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any North Fork Koktuli River water samples.

Total Trace Elements

Data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-5 and discussed below. Barium and iron, were detected in all samples, while cadmium was detected in the fewest (9 percent) number of samples. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1B.

Iron was detected at the highest mean concentration (0.22 mg/L) across all trace elements. All other total trace elements were present at substantially lower concentrations, ranging from 0.039 mg/L for aluminum to 0.000014 mg/L for cadmium.

The overall CV for total trace elements in North Fork Koktuli River surface water samples was 1.55. The majority of the variability represents seasonal differences in concentrations, as further discussed in subsequent subsections.

Aluminum. The FOD for total aluminum was 95 percent. Aluminum was detected at a mean concentration of 0.039 mg/L. The CV for total aluminum was 1.38. The majority of North Fork Koktuli River samples were above the limits of detection.

Barium. Total barium was detected in all samples at a mean concentration of 0.0034 mg/L. The CV for total barium was 0.38, representing little variability in barium concentrations across sample locations and dates. Barium was primarily detected above MRLs.

Iron. Total iron was detected in all samples at a mean concentration of 0.22 mg/L. Iron is one of the most abundant trace elements in soil, as is apparent from the mean and majority of values, which are above both MDLs and MRLs. The CV for total iron was 0.73.

Copper. Total copper was detected in all but one sample at a mean concentration of 0.00042 mg/L, which is within the range of MRLs and at the upper range of MDLs. Copper concentrations are generally near the limits of detection for river samples in this drainage. The CV for total copper was 0.98.

Zinc. The FOD for dissolved zinc was 68 percent. Zinc was detected at a mean concentration of 0.0026 mg/L, which is within the range of MDLs for this metal. The CV for dissolved zinc was 5.0, indicating zinc concentrations are among the more variable of the trace elements.

Lead. The FOD for total lead was 30 percent. Lead was detected at a mean concentration of 0.00022 mg/L, which is above the MDL and MRL range. The CV for total lead was 4.12, indicating lead concentrations are among the more variable of the trace elements.

Cadmium. The FOD for total cadmium was 9 percent. Cadmium was detected at a mean concentration of 0.000014 mg/L. The mean value is below the range of MRLs, indicating that detected concentrations were largely estimated values. The CV for total cadmium was 1.09.

Arsenic. The FOD for total arsenic was 33 percent. Arsenic was detected at a mean concentration of 0.00023 mg/L. The CV for total arsenic was 0.63. The majority of samples were below the MRL, indicating the mean is largely a function of detection limits and estimated values.

Nickel. The FOD for total nickel was 68 percent. Nickel was detected at a mean concentration of 0.00022 mg/L, which is just above the range of MRLs, indicating many of the detected nickel concentrations are estimated values. The CV for total nickel was 1.15.

Molybdenum. The FOD for total molybdenum was 85 percent. Molybdenum was detected at a mean concentration of 0.00017 mg/L, which is within the range of MRLs and MDLs for this element. Therefore, detected molybdenum concentrations represent a mixture of estimated and measured concentrations. The CV for total molybdenum was 0.59.

Manganese. The FOD for total manganese was 99.6 percent. Manganese was detected at a mean concentration of 0.014 mg/L, which is above both MRLs and MDLs. The CV for total manganese was 1.04.

Dissolved Trace Elements

Data for aluminum, barium, iron, cadmium, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-5 and discussed below. Data for the other analyzed trace elements are presented in Appendix 9.1B. All dissolved trace elements were detected in surface water samples collected from the North Fork Koktuli River system above detection limits. Two dissolved trace elements (barium and manganese) were detected above detection limits in all surface water samples; cadmium was detected in the fewest number of samples (6 percent FOD).

In general, the mean concentrations of dissolved elements were lower than total elements. Dissolved iron had the highest mean concentration (0.11 mg/L); all others were at least an order of magnitude lower. Dissolved aluminum and manganese were the only other elements detected at mean concentrations of at least 0.01 mg/L; the mean concentrations of the remaining dissolved elements were at least one order of magnitude lower.

The overall CV for dissolved trace elements was 1.82, and the data displayed similar variability as total trace elements, although the CV for lead (11.4) is quite high. Without the extremely high CV for lead included, the overall CV for dissolved trace elements drops to 0.86, which is substantially less than that for total trace elements.

Aluminum. The FOD for dissolved aluminum was 88 percent. Aluminum was detected at a mean concentration of 0.013 mg/L, about one-third the mean concentration of total aluminum. The mean concentration is within the range of MRLs and MDLs, and the maximum concentration is below the maximum MRL. Therefore, many of the values are estimated concentrations. The CV for dissolved aluminum was 0.82, which is lower than that for total aluminum for these same samples.

Barium. Dissolved barium was detected in all samples at a mean concentration of 0.0031 mg/L, which is above the range of MRLs and MDLs. The CV for dissolved barium was 0.35, essentially the same as that for total barium.

Iron. The FOD for dissolved iron was 97 percent. Iron was detected at a mean concentration of 0.11 mg/L, which is well above the MRLs and MDLs. Iron represents the most abundant of the dissolved metals. The CV for dissolved iron was 0.68.

Copper. The FOD for dissolved copper was 98 percent. Copper was detected at a mean concentration of 0.00039 mg/L, which is within the range of MRLs for this metal. This indicates that many of the detected values for dissolved copper represent estimated concentrations. The CV for dissolved copper was 0.84.

Zinc. The FOD for dissolved zinc was 79 percent. Zinc was detected at a mean concentration of 0.0018 mg/L, which is within the range of MRLs for this metal. The CV for dissolved zinc was 0.64.

Lead. The FOD for dissolved lead was 22 percent. Lead was detected at a mean concentration of 0.00039 mg/L, which is within the range of MRLs. The CV for dissolved lead was 11.4, by far the highest variability of any of the metals for river samples in this drainage. The CV is largely driven by the maximum detected concentration of 0.082 mg/L, which is two orders of magnitude greater than the mean. This dataset is skewed when comparing the median to the mean; the median is an order of magnitude lower than the mean (Table 9.1-5).

Cadmium. The FOD for dissolved cadmium was 6 percent. Cadmium was detected at a mean concentration of 0.000012 mg/L. The CV for dissolved cadmium was 0.61. The mean concentration is below the MRLs, indicating the mean is a function of detection limits and estimated concentrations.

Arsenic. The FOD for dissolved arsenic was 24 percent. Arsenic was detected at a mean concentration of 0.0002 mg/L. The mean concentration is within the range of MRLs and MDLs, and the maximum concentration is below the maximum MRL. Therefore, many of the values are estimated concentrations. The CV for dissolved arsenic was 0.57.

Nickel. The FOD for dissolved nickel was 87 percent. Nickel was detected at a mean concentration of 0.003 mg/L, which is within the range of MRLs. Many of the detected nickel concentrations are estimated values. The CV for dissolved nickel was 1.14.

Molybdenum. The FOD for dissolved molybdenum was 83 percent. Molybdenum was detected at a mean concentration of 0.00019 mg/L, which is within the range of MRLs and MDLs for this metal. Therefore, the mean concentration is driven by the detection limits and estimated values. The CV for dissolved molybdenum was 1.22.

Manganese. Dissolved manganese was present in all samples at a mean concentration of 0.01 mg/L, which is above the range of MRLs for this metal. Most of the detected concentrations were above detection limits for manganese. The CV for dissolved manganese was 1.67.

Cyanides

Total Cyanide. Total cyanide was detected in only 17 (7 percent) surface water samples in the North Fork Koktuli River. Total cyanide was detected at a mean concentration of 0.0019 mg/L. The CV for cyanide was 5.03, indicating wide variability of concentrations across samples. The maximum detected concentration of 0.15 mg/L was two orders of magnitude greater than the lowest detected concentration (0.0015 mg/L).

WAD Cyanide. The FOD for weak acid dissociable (WAD) cyanide was 13 percent. WAD cyanide was detected at a mean concentration of 0.0015 mg/L. The CV for WAD cyanide was 0.91, which is much lower than that for total cyanide. The maximum detected WAD cyanide concentration of 0.012 mg/L is an order of magnitude less than the highest total cyanide concentration for North Fork Koktuli River samples.

Organic Compounds

In 2004, 2005, and 2007, a subset of surface water samples from North Fork Koktuli River was analyzed for organic compounds (DRO, GRO, and RRO), VOCs, SVOCs, PCBs, and pesticides. These compounds were not expected to be detected due to anthropogenic sources because of the remote, undeveloped nature of the area. Six samples were collected and analyzed to provide confirmation of this assumption. As shown in Appendix 9.1B, none of these organic compounds were detected in surface water samples from North Fork Koktuli River.

Dissolved Organic Carbon. The FOD for dissolved organic carbon was 99 percent. Dissolved organic carbon was detected at a mean concentration of 1.5 mg/L. The CV for organic carbon was 0.51, with a range of values between 0.50 and 4.55 mg/L.

Comparison with Water Quality Criteria

Trace element concentrations were compared against Alaska Department of Environmental Conservation (ADEC) water quality criteria for the protection of human health and aquatic life (ADEC, 2009). The most stringent available values for human and ecological receptors were used for the comparison. Generally, human health criteria represent total (unfiltered) concentrations, and aquatic life criteria represent dissolved elements concentrations. Therefore, total elements data were compared to human health criteria, and both total and dissolved elements data were compared to aquatic life criteria. Only WAD cyanide data were compared to the single cyanide criterion, which is based on free cyanide. There is no approved analytical method for free cyanide, as results have been shown to be unreliable. Instead, measurement of WAD cyanide is typically used to approximate free cyanide

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates.

A summary of the comparison of detected concentrations and criteria is presented in Table 9.1-10. Concentrations of most constituents met criteria. Concentrations were outside the most stringent criteria in at least one sample for the following constituents:

- pH was outside the criteria range in 79 of 240 samples.
- DO was below the minimum criteria in 19 of 234 samples.
- Alkalinity was below the minimum criteria in 89 of 240 samples.
- WAD cyanide was above the maximum criteria in 6 of 232 samples.

The pH was out of the most stringent criteria range at seven locations. The locations with the most samples with concentrations out of the most stringent criteria range were NK119A (25 of 79) and NK100B (17 of 79). In all cases, pH was below the most stringent criteria range, indicating locations with acidic water occur in the North Fork Koktuli River throughout the year. Alkalinity was below the most stringent minimum value in many samples from multiple locations. The samples where WAD cyanide concentrations were naturally above the most stringent maximum criteria were at locations NK100A, NK100A1, and NK100C.

Seven trace elements had concentrations above the most stringent maximum criteria in at least one sample:

- Aluminum (total: 14 of 233 samples).
- Cadmium (total: 6 of 233 samples; dissolved: 1 of 230 samples).
- Copper (total: 5 of 232 samples; dissolved: 3 of 164 samples).
- Iron (total: 1 of 232 samples).
- Lead (total: 34 of 232 samples; dissolved: 14 of 192 samples).
- Manganese (total: 6 of 232 samples).
- Zinc (total: 2 of 231 samples).

The majority of the 14 total aluminum samples with concentrations above the most stringent maximum criteria were from the sampling stations located furthest downstream (stations NK100A, NK100B, and NK100C). The majority of these events occurred during the months of April and May. This may be related to snowmelt that typically occurs at this time of year. This pattern is not seen in the lead data. The highest single lead concentration (400 times above the most stringent maximum criteria) occurred at the station located furthest downstream (station NK100A) in September. Only one other lead concentration was more than 10 times the most stringent criteria (a May sample at station NK100B).

The other five trace elements had a few concentrations above the most stringent maximum criteria (less than 3 percent of samples), which is not unexpected given the large number of samples collected.

Spatial and Temporal Trend Analysis

Spatial trend analysis was conducted in three ways. First, regression analysis was conducted to identify any notable trends in total constituent concentrations from upstream to downstream for parameters routinely detected above MRLs. The purpose of this analysis was to determine if concentrations of specific constituents into the drainage along the course of the river has effects on concentrations at downstream sampling locations.

Second, correlation analysis was conducted to compare streamflow and chemical concentrations. This analysis was prepared to compare the influence of streamflow on the concentration of constituents in the main stem of the North Fork Koktuli River.

Finally, stacked bar graphs were also prepared, showing median concentrations by location for each month. These graphs were prepared to determine whether concentrations in the river system along the course of the river flow affects concentrations at downstream sampling locations.

For the first two analyses, median concentrations for each sample location were ordered from upstream to downstream (Table 9.1-11). A linear regression analysis was performed for parameters routinely detected above detection limits. Linear regression coefficients (R^2 values) and probability (p-values) from the Mann-Whitney U-Test, a non-parametric version of the two-sample *t*-test, were evaluated to identify any significant trends. Spatial regression results are presented in Table 9.1-12, and the significant results are shown graphically in Appendix 9.1E.

Based on evaluation of the regression analysis of concentrations as a function of downstream distance, a significant positive trend (increasing concentrations or values with downstream distance) was apparent from the regression analysis for pH.

Significant negative trends (decreasing concentrations or values with downstream distance) were apparent from the regression analysis for the following constituents:

- Nickel
- Potassium
- TDS

Streamflow effects on concentrations were evaluated by plotting both median analyte concentrations and median daily streamflow measurements (in cubic feet per second) in log scale from upstream to downstream on the same graph for parameters routinely detected above detection limits. These graphs are presented in Figures 9.1-7 through 9.1-25.

A positive correlative trend is apparent between concentrations and streamflow for sodium (Figure 9.1-10), chloride (Figure 9.1-14), and molybdenum (Figure 9.1-24), and inverse trends are more apparent for TDS (Figure 9.1-7), TSS (Figure 9.1-9), potassium (Figure 9.1-11), alkalinity (Figure 9.1-12), hardness (Figure 9.1-15), iron (Figure 9.1-18), and nickel (Figure 9.1-23). This indicates concentration is a function of streamflow for some constituents.

High flow can lead to additional mobilization of constituents from the sediment (i.e., scouring) during both snowmelt in the spring and heavy rains in the fall, which can introduce additional constituents into the downstream locations, particularly for water-soluble ions like sodium and chloride. For parameters that indicate the opposite trend, water with low concentrations of these constituents (e.g., TSS) may be entering the main stem of the river from tributaries, resulting in lower concentrations as the water is mixed in the main stem.

The correlative parameters (Figures 9.1-7 through 9.1-25) and stacked bar graphs (Figures 9.1-26 through 9.1-47) are discussed below by parameter group. Only graphs for parameters consistently detected above detection limits in at least one location and month, and/or with significant differences identified, are presented and discussed in the following text. In general, the absence of a bar for a station means the location wasn't sampled often. In fewer cases, the absence of a bar for a station indicates the lack of detections at that location for the constituent. Note that these graphs are not meant to imply cumulative values, but are intended to be used solely to compare concentrations at different locations across months.

Temporal line graphs were prepared to assess seasonal tendencies for total concentrations of each analyte routinely detected above MRLs at each sampling location (Appendix 9.1F). For each chemical-specific graph, each line represents a different sampling location, with month across the x-axis and median concentration on the y-axis. These graphs are presented in Appendix 9.1F, and key highlights are discussed below. Note that the Y-axis is a linear scale, and some values are presented in scientific notation (i.e., 2.0E-2 is 0.01 and 5.0E1 is 50).

Field and Physical Parameters

Some seasonal patterns are apparent in the temporal line graphs. The majority of sampling locations had the lowest median concentrations in April or May. All of these results are consistent with the influx of eroded material from increased flows during snowmelt in the spring months and precipitation events in the fall months.

Total Dissolved Solids. The median concentration for TDS was 37.5 mg/L but was shown to have significantly different (p-value less than 0.05) concentrations upstream and downstream. This parameter was generally detected at statistically higher concentrations upstream. Median concentrations of TDS decline steadily between locations NK100C and NK100A1 (Figure 9.1-7). Median concentrations of TDS then increase slightly at the furthest downstream location (NK100A).

TDS concentrations were generally similar throughout the year at most stations, although slightly lower during the drier months (e.g., June) at some stations. Exceptions to these trends include stations NK199B and NK100A, which were lowest in January and May, and station NK119B, which was lowest in February and November. TDS exhibited a peak concentration at station NK100C in February (Figure 9.1-26).

pH (Field). The median pH was 6.77, and pH was higher in downstream locations (Figure 9.1-8). The pH drops slightly at station NK100B, and then rises above the median at the two furthest downstream locations (NK100A1 and NK100A). In general, locations NK119A and NK1119B were associated with the lowest median pH values (Figure 9.1-27).

The pH values tended to be more basic in spring and fall. For example, the pH values were slightly more basic in August at most locations, particularly at station NK100C (Figure 9.1-27). The lowest pH was associated with station NK100A1 in January.

Total Suspended Solids. The median concentration for TSS was 0.82 mg/L. This parameter was generally detected at higher concentrations upstream. Median concentrations of TSS decline steadily between locations NK100C and NK100A1 (Figure 9.1-9). Median concentrations of TSS then increase slightly at the furthest downstream location (NK100A).

April and November had the two highest median TSS concentrations (both at station NK100A; Figure 9.1-28). May had the highest concentrations at locations NK100B and NK100C, both located downstream of station NK100A. This likely represents additional suspended particulates from eroded material from the increased flows during snowmelt at this time (and from rainfall in the November peak). Most other months are uniformly low for median concentrations of TSS.

Major Ions

Many of the major ions demonstrated relatively high median concentrations at location NK100C. Given the remoteness of this location relative to the deposit area, it appears the higher median values of most ions at this location are a local phenomenon unrelated to the ore deposit. Individual ions are discussed below.

Sodium. Sodium was generally detected at higher concentrations downstream. Median concentrations of sodium decline steadily between locations NK100C and NK100B, then rise at stations NK100A1 and NK100A. Concentrations of sodium were lowest at location NK100B, and generally consistent in concentrations at other locations (Figure 9.1-10).

The graph for sodium (Figure 9.1-29) indicates consistent concentrations are present at most locations and months for this analyte. The lowest concentrations of sodium across all locations occurred in May and were generally highest in March. The temporal line graph (Appendix E) shows a seasonal pattern that is not statistically significant for median concentrations of sodium.

Potassium. Potassium had a substantially different concentration upstream and downstream. Potassium was detected at statistically higher concentrations upstream (Figure 9.1-11). Potassium concentrations steadily decline as streamflow increases. Potassium had different concentrations at different sampling stations and was generally highest at station NK100C and lowest at station NK119B (Figure 9.1-30).

Potassium concentrations were lowest at most stations in June (Figure 9.1-30) and were highest in the spring. This is particularly evident at location NK119B, with a concentration in March near twice the next highest monthly median concentration.

Alkalinity, Total. The median concentration for total alkalinity was 22 mg/L. Alkalinity declined in median concentrations as streamflow increased, indicating water with lower alkalinity is added to the system as the river flows downstream (Figure 9.1-12).

Alkalinity concentrations were lowest in the spring months due to influx of eroded material from increased snowmelt, and increased slightly over the winter between September and March (Figure 9.1-

31). The temporal line graph (Appendix E) shows a seasonal pattern that is not statistically significant for median concentrations of total alkalinity.

Sulfate. Sulfate concentrations exhibited no trend with regard to sample location (Figure 9.1-13). Median concentrations of sulfate are lower at the two most-upstream sampling locations (NK100C and NK100B) than at the two most-downstream locations (NK100A1 and NK100A). Concentrations of sulfate were lowest at location NK100B, but generally consistent in concentrations at other locations.

Sulfate concentrations showed little in the way of seasonal patterns. The graph for sulfate (Figure 9.1-32) indicates consistent concentrations are present at most locations and months, with the exception of tributary location NK119B which has consistently detectable levels in all months except February. Concentrations were highest in July through December at tributary location NK119B, located near main stem location NK100C. Sulfate concentrations are uniformly low at location NK119A, which is located upstream from location NK119B in the same tributary. Apparently, sulfate is entering the system along this tributary in the latter half of the year and is then diluted upon reaching the main stem of the North Fork Koktuli River, as evidenced by the generally lower downstream concentrations in the mainstem.

Chloride. Concentrations of chloride were lowest at location NK100B and generally consistent at other locations. Chloride concentrations increased between locations NK100B and NK100A, indicating a general direct relationship with streamflow (Figure 9.1-14).

The graph for chloride (Figure 9.1-33) indicates consistent concentrations are present at most locations and months for this constituent. The majority of sampling locations peaked in median concentrations in April for chloride, with a second, smaller peak in September. These correspond to snowmelt and rainfall events. The temporal line graph (Appendix E) shows a seasonal pattern that is not statistically significant.

Fluoride. All of the monthly medians for fluoride were below MRLs. Therefore, no streamflow graph was prepared for fluoride.

The median concentrations for fluoride are at or below the MRL (except station NK119B in September) because of the inclusion of estimated concentrations below the detection limit in the datasets. Based on the stacked bar graph, the concentrations vary across months (Figure 9.1-34). Fluoride has the highest concentration at most stations during September. Tributary location NK119B has increasing concentrations between March and September.

Hardness as $CaCO_3$ (Not Filtered). The median concentration for hardness (not filtered) was 18.1 mg/L. Hardness (not filtered) declined in median concentrations as streamflow increased, indicating water with lower hardness is added to the system as the river flows downstream (Figure 9.1-15).

Hardness was generally lowest in the spring during snowmelt and increased through fall and winter (Figure 9.1-35). The majority of sampling locations had the lowest median concentrations in April or May. This result is consistent with the influx of eroded particles from increased snowmelt during these months. A much smaller dip in concentrations occurs in September due to fall rains. The temporal line graph (Appendix E) shows a seasonal pattern that is not statistically significant.

Nutrients

Total Nitrate+Nitrite (as N). The median concentration for total nitrate+nitrite (as N) was 0.086 mg/L. Concentrations of total nitrate+nitrite (as N) were generally similar across sampling locations and showed no correlation with streamflow (Figure 9.1-16). Total nitrate+nitrite (as N) is detectable in the system in all months with the highest concentrations in July (Figure 9.1-36). The July concentrations are highest primarily in one tributary, which includes, stations NK119A and NK119B. This tributary provides nitrate and nitrite into the main stem of the River, as evidenced by the higher concentration at station NK100C, located at the confluence of the tributary and the main stem of the North Fork Koktuli River, than at downstream station NK100B.

Phosphorus. Phosphorus concentrations decreased between stations NK100C and NK100A, indicating a general inverse relationship with streamflow (Figure 9.1-17).

Phosphorus exhibited peak median concentrations in summer, particularly at stations NK100A and NK119B (Figure 9.1-37). The summer concentrations are relatively evenly distributed across other locations. Median concentrations of phosphorus were mostly below MRLs, indicating the majority of data points represent estimated concentrations.

Total Orthophosphate (as P). This constituent was not detected in any sample. Therefore, graphs were not prepared for total orthophosphate (as P). No temporal line graph is presented because total orthophosphate (as P) was not detected in any sample.

Trace Elements

The temporal line graphs in Appendix 9.1F show that seasonal patterns are apparent. Results are discussed below.

Iron. A generally negative correlative trend is apparent between concentrations and water flow for iron (Figure 9.1-18). Iron concentrations decline steadily from station NK100C to station NK100A1, and then increase slightly at station NK100A.

The majority of sampling locations peaked in median iron concentrations in May, but the highest iron peak was in February at location NK100C. The iron concentrations were consistently highest at this location across all months. This is different from the other locations, where the strongest peak was in the spring and a secondary peak was in the fall (Figure 9.1-38). The temporal line graph (Appendix E) shows a seasonal pattern that is not statistically significant.

Copper. A generally negative correlative trend is apparent between concentrations and water flow for copper (Figure 9.1-19). However, the increase in copper concentration at the most downstream location, NK100A, weakens this statistical relationship.

Copper median concentrations peak in April and May at several locations; the highest concentration is in May at station NK100A1 while the next highest concentration is in April at station NK100A (Figure 9.1-39). Most locations have a second, much smaller peak in September (Appendix E). These correspond to snowmelt and rainfall events.

Zinc. A negative correlative, but weak, trend is apparent between concentrations and water flow for zinc (Figure 9.1-20).

Zinc median concentrations peak at station NK119A in February, but most locations have highest concentrations in the spring or fall months (Figure 9.1-40; Appendix E).

Lead. No correlation is apparent between lead concentrations and streamflow (Figure 9.1-21). No clear temporal pattern is evident for lead. Concentrations at stations NK100B and NK119A peak in winter and spring, respectively, while concentrations at station NK100A peak in the fall. However, higher concentrations of lead occur at single locations during the months of February (station NK119A), March (station NK100B), and May (station NK100B; Figure 9.1-41). Tributary location NK119A had a notably high concentration of lead in February; interestingly, the main stem sampling location, station NK100B, which is located downstream of station NK119A, had an increase in concentration the following month. It is possible the increase in lead concentrations at station NK100B is a result of the higher concentration flowing into the main stem from tributary station NK119A.

Cadmium. No trend is apparent for cadmium as a function of streamflow (Figure 9.1-22). Half of the medians are below the MRL, indicating estimated concentrations.

The highest concentrations of cadmium occur during the months of April and May, with medians above reporting limits for multiple locations in these months, particularly at locations NK100A1 and NK100D (Figure 9.1-42). Cadmium median concentrations are mostly below MRLs.

Arsenic. All of the monthly medians for arsenic were below MRLs. Therefore, no streamflow graph was prepared for arsenic.

Arsenic concentrations are below the MRL at most locations. Concentrations of arsenic were fairly consistent across most sample locations throughout the year (Figure 9.1-43). Exceptions include sample location NK100A1, which had detectable arsenic concentrations only during the month of May, and sample location NK100C, which was the only station with detectable median concentrations in the months of December and January. Tributary sample locations NK119A and NK119B had variable median concentrations across months, with most months below detection limits. The highest median concentrations occur at station NK100C in June through September.

Nickel. A negative trend is apparent between concentrations and water flow for nickel. Nickel had a significantly different concentration upstream and downstream. Nickel was detected at statistically higher concentrations upstream (Figure 9.1-23).

Nickel median concentrations were generally low and consistent across sample locations and months, with the exception of station NK119A in February. This tributary had a median concentration in February that was fivefold higher than any other month or location (Figure 9.1-44).

The temporal line graph (Appendix E) shows a clear peak for nickel at station NK119A in February. Smaller peaks are seen at stations NK100A1 and NK119B in May and September.

Molybdenum. Molybdenum concentrations are correlated with streamflow; concentrations are higher downstream than in upstream locations (Figure 9.1-24).

The concentrations of molybdenum were fairly consistent across sample locations throughout the year (Figure 9.1-45). Several locations exhibited small fluctuations, but no noticeable trends are apparent. Molybdenum has its highest median concentrations at station NK100A1 in May.

Cyanides

Total Cyanide. Total cyanide was detected at median concentrations below MRLs. Therefore, no streamflow graph was prepared. **Total** cyanide showed no trend and was not routinely detected in North Fork Koktuli River samples.

A single peak was apparent for total cyanide in February at station NK100C (Figure 9.1-46); all other months had median concentrations below MRLs. Based on the temporal line graphs (Appendix E), the median concentration was approximately 3 times lower at this location in July, and reached the low levels observed for all other locations and months by August. Based on these observations, cyanide appears to be naturally produced at this location in the winter but does not appear to be a widespread phenomenon.

WAD Cyanide. WAD cyanide was detected at median concentrations below MRLs in all locations except NK100A1; no trend was apparent with streamflow (Figure 9.1-25).

WAD cyanide followed a similar pattern as that of total cyanide, but the concentrations at station NK100C peaked in June rather than February. Median concentrations of WAD cyanide were reported above MRLs more often than total cyanide. WAD cyanide was detected in eight months, February to June, August, September, and December (Figure 9.1-47). Contribution into the system in March (station NK100A) and June (station NK100C) were each limited to a single location, but other locations contributed in other months. No detected concentrations at station NK100C were identified in February, March, or May. Other locations had detectable median concentrations in two to five months. These results imply that cyanide is released sporadically into the system at different locations in different months, possibly because of the growth of cyanogenic bacteria at different times in different locations. Perhaps later in the season when the temperature increases, more of the cyanide detected in February becomes weak acid dissociable, leading to this later seasonal peak at station NK100C. This is supported by results of plant and soil analyses, as discussed in Chapter 10 of the EBD.

9.1.8.2. Results and Discussion: South Fork Koktuli River

This section presents the findings of the surface water quality study in the South Fork Koktuli River drainage in the mine study area (Figure 9.1-1). Surface water samples and measurement of physical and chemical parameters were obtained from the river and its tributaries to assess the spatial and temporal variability of field and physical parameters, major ions, nutrients, total and dissolved trace elements, and cyanides in the project study area. The analysis was conducted using data acquired during the 5-year period from 2004 to 2008.

The South Fork Koktuli River study area encompasses approximately 25 miles of the main stem of the river originating from the deposit area and ending at the confluence with North Fork Koktuli River. It includes seven tributaries. Sampling locations SK134, SK136A, and SK136B are within the general pit location.

As shown in Table 9.1-6, 612 surface water samples were collected from 18 sampling locations in the South Fork Koktuli River and its tributaries between 2004 and 2008. The number of sample results differs slightly among constituents because some data were rejected during data validation, as discussed in Section 9.1.6, Data Reduction.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, cyanides, and organic compounds.

Field and Physical Parameters

Eight field and physical parameters were measured in South Fork Koktuli River surface water samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-6. Most of these parameters were analyzed in 601 surface water samples.

These parameters generally showed similar variability to major ions and less variability than trace elements in this system. The overall CV across all field and physical parameters was 0.87.

Total Dissolved Solids. TDS was detected at a mean concentration of 44 mg/L (Table 9.1-6). The CV for TDS was 0.41, indicating relatively low variability in this parameter.

pH (Field). The mean field pH value for surface water samples collected from the South Fork Koktuli River and its tributaries was 7.0 (pH units), which indicates the water in the South Fork Koktuli River is neutral. The very low CV of 0.045 indicates pH is stable across the drainage.

Dissolved Oxygen. DO was detected in all samples at a mean concentration of 10.2 mg/L, which indicates the surface water is well aerated and contains substantial DO. The CV for DO was 0.21, which represents low variability of DO concentrations.

Water Temperature. The mean water temperature was 4.77^{o}C, and the CV for water temperature was 1.02. The CV represents seasonal differences in water temperature, which can be as high as 23.5^{o}C in later summer and as low as -0.2^{o}C in winter.

Specific Conductivity (Field). The mean concentration for specific conductivity was 55.5 uS/cm, which is below the range of MRLs. This indicates the mean is based on the detection limits and estimated values. The CV for specific conductivity was 0.44.

Turbidity. The mean concentration for turbidity was 1.85 NTU. The CV for turbidity was 1.59, indicating greater variability in this parameter than for most others in this group.

Total Suspended Solids. TSS was detected in 90 percent of samples and had a mean concentration of 2.21 mg/L, which is within the range of MRLs and MDLs for this parameter. The CV for TSS was 2.13, indicating relatively high variability.

Oxidation Reduction Potential. ORP was detected in all but one sample at a mean concentration of 126 mV and ranged from -259 mV to 875 mV. The CV for ORP was 0.80.

Major Ions

South Fork Koktuli River surface water data for nine parameters (calcium, magnesium, sodium, and potassium [total and dissolved], as well as alkalinity, sulfate, chloride, fluoride, and hardness [filtered and not filtered]) are discussed in this section and summarized in Table 9.1-6. Data for other analyzed parameters in this group (e.g., total acidity, and ion balance) can be found in Appendix 9.1B.

All parameters in this group, except alkalinity and fluoride, were detected in all samples. The FOD for alkalinity was 99.7% and fluoride was 60 percent. Sulfate (8.78 mg/L) and calcium (6.36 mg/L) were detected at the highest mean concentrations of the individual ions, and fluoride was detected at the lowest mean concentration (0.05 mg/L).

The CV of 0.46 for major ions is low relative to other groups in this drainage and consistent with the CVs of 0.39 and 0.48 in the North Fork and Upper Talarik Creek samples, respectively.

Calcium (Total). Total calcium was detected in all samples at a mean concentration of 6.36 mg/L. Total calcium is the second most abundant major ion in the South Fork Koktuli River samples, second only to total sulfate. The CV for total calcium was 0.43, indicating generally consistent concentrations across samples.

Calcium (Dissolved). Dissolved calcium was detected in all samples at a mean concentration of 6.34 mg/L. Calcium is also the second most abundant dissolved metal. The CV for dissolved calcium was 0.42, indicating low variability in concentrations.

Magnesium (Total). Total magnesium was detected in all samples at a mean concentration of 1.41 mg/L. The CV for total magnesium was 0.56, reflecting low variability in concentrations. Dissolved and total magnesium values were virtually identical across samples.

Magnesium (Dissolved). Dissolved magnesium was detected in all samples at a mean concentration of 1.41 mg/L. The CV for dissolved magnesium was 0.56.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.35 mg/L, which is the third most abundant ion in South Fork Koktuli River samples. The CV for total sodium was 0.38. Dissolved and total sodium values were virtually identical across samples.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.35 mg/L, which is identical to the total sodium mean concentration. The CV for dissolved sodium was 0.35.

Potassium (Total). Total potassium was detected in all samples at a mean concentration of 0.38 mg/L. The CV for total potassium was 0.47.

Potassium (Dissolved). Dissolved potassium was detected in all samples at a mean concentration of 0.38 mg/L. The CV for dissolved potassium was 0.46.

Alkalinity, Total. The FOD for total alkalinity, measured as calcium carbonate, was 99.7 percent. The mean total alkalinity concentration is 17.4 mg/L. The range of alkalinity measured in the study area is similar to the range reported by the USGS from the Lake Clark area (Brabets and Riehle, 2003; Brabets, 2002) and other Alaskan streams (Scannel and Ott, 1994). The CV for total alkalinity was 0.43.

Sulfate. Sulfate was detected in all samples at a mean concentration of 8.78 mg/L, making it the most abundant of the anions in river samples for this drainage. The CV for sulfate was 0.87.

Chloride. Chloride was detected in all samples at a mean concentration of 0.69 mg/L. The CV for chloride was 0.26.

Fluoride. The FOD for fluoride was 60 percent. Fluoride was detected at a mean concentration of 0.05 mg/L, which is below the range of MRLs. This indicates the mean is largely a function of detection limits and estimated values. The CV for fluoride was 0.35.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected at a mean concentration of 21.6 mg/L, which is only slightly higher than the mean for filtered hardness. The CV for hardness as $CaCO_3$ (not filtered) was 0.44. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria. Higher concentrations of hardness are generally associated with lower element toxicity (Cockerham and Shane, 1994).

Hardness as $CaCO_3$ (Filtered). Hardness as $CaCO_3$ (filtered) was detected at a mean concentration of 19.6 mg/L in the 70 samples analyzed for this parameter. The CV for hardness as $CaCO_3$ (filtered) was 0.47. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-6. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1B.

Nutrients were not detected in all samples. Total nitrate+nitrite (as N) was detected in 84 percent of surface water samples, whereas nitrogen, total ammonia (as N) was detected in only 20 percent of samples.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.51 (total ammonia as N) to 1.77 (total nitrate+nitrite [as N]). The CV for all nutrients was 1.29.

Total Ammonia (as N). The FOD for total ammonia (as N) was 20 percent (Table 9.1-6). Total ammonia (as N) was detected at a mean concentration of 0.054 mg/L, which is within the range of MRLs and indicates the mean is largely a function of detection limits and estimated values. The maximum detected concentration was 0.40 mg/L. The CV for total ammonia (as N) was 0.51.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 84 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.23 mg/L. Because nitrite was essentially all non-detect (Appendix 9.1B), this parameter is comprised primarily of nitrate. The CV for total nitrate+nitrite (as N) was 1.77, which is the greatest variability across the nutrients for river samples in this drainage.

Phosphorus. The FOD for phosphorus was 81 percent. Phosphorus was detected at a mean concentration of 0.023 mg/L, which is within the range of MRLs and MDLs. The mean is, in part, a function of detection limits and estimated values. The CV for phosphorus was 1.58.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any South Fork Koktuli River water samples.

Total Trace Elements

Data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-6 and discussed below. Total trace elements were analyzed in approximately 600 samples. Barium was the only total trace element detected in all samples, and cadmium was detected in the fewest (16 percent) samples. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1B.

As indicated by the CVs, the variability of total trace elements was high relative to other constituents, with an overall CV of 1.29. The highest CV was for lead (3.99) and the lowest CV was for barium (0.52).

Aluminum. The FOD for total aluminum was 96 percent. Aluminum was detected at a mean concentration of 0.05 mg/L, which is above the range of MRLs and MDLs, and second highest among the trace elements. The CV for total aluminum was 1.76, indicating widespread variability in aluminum concentrations in the South Fork Koktuli River.

Barium. Total barium was detected in all samples at a mean concentration of 0.0043 mg/L, which is well above the range of detection limits. The CV for total barium was 0.52, the lowest among this group of trace elements for river samples for this drainage.

Iron. The FOD for total iron was 95 percent. Iron was detected at a mean concentration of 0.30 mg/L, well above the limits of detection. Iron is the most abundant of the trace elements in South Fork Koktuli River water samples. The CV for total iron was 1.0.

Copper. The FOD for total copper was 99 percent. Copper was detected at a mean concentration of 0.0017 mg/L, which is approximately 3 and 5 times higher than in Upper Talarik Creek and North Fork Koktuli River samples, respectively. This is likely due to the presence of the general deposit area in the headwaters of the South Fork Koktuli River. The CV for total copper was 1.05, representing the differences in concentrations between samples near the general deposit location and those downstream.

Zinc. The FOD for total zinc was 82 percent. Zinc was detected at a mean concentration of 0.0028 mg/L, which is above the range of MDLs and within the range of MRLs. This indicates the mean is based on both detection limits and estimated values, as well as on detected concentrations. The CV for total zinc was 1.12.

Lead. The FOD for total lead was 32 percent. Lead was detected at a mean concentration of 0.00028 mg/L, which is within the range of MRLs. Therefore, the mean represents both detection limits and detected concentrations. The CV for total lead was 3.99, which is the highest variability of trace elements for river samples in the South Fork Koktuli River.

Cadmium. The FOD for total cadmium was 16 percent. Cadmium was detected at a mean concentration of 0.000015 mg/L, which is within the range of MRLs and MDLs. Therefore, the mean is largely a function of detection limits and estimated values. The CV for total cadmium was 1.37.

Arsenic. The FOD for total arsenic was 34 percent. Arsenic was detected at a mean concentration of 0.00035 mg/L, which is within the range of MRLs and MDLs. Therefore, the mean is largely a function of detection limits and estimated values. The CV for total arsenic was 0.61.

Nickel. The FOD for total nickel was 78 percent. Nickel was detected at a mean concentration of 0.00035 mg/L, which is within the range of MRLs, indicating it is based on both detection limits and estimated values, as well as on detected concentrations. The CV for total nickel was 0.73.

Molybdenum. The FOD for total molybdenum was 97 percent. Molybdenum was detected at a mean concentration of 0.00065 mg/L, which is within the range of MRLs. This indicates it is based on both detection limits and estimated values, as well as on detected concentrations. The CV for total molybdenum was 0.97.

Manganese. The FOD for total manganese was 99 percent. Manganese was detected at a mean concentration of 0.025 mg/L, and is one of the most abundant of the metals in South Fork Koktuli River water samples. The CV for total manganese in South Fork Koktuli River samples was 1.09, essentially the same as in North Fork Koktuli River and Upper Talarik Creek water samples.

Dissolved Trace Elements

Data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-6 and discussed below. Data for the other trace elements are presented in Appendix 9.1B. Dissolved mercury was not analyzed.

All dissolved trace elements were detected in surface water samples collected from the South Fork Koktuli River system above detection limits. Barium and manganese were detected in all surface water samples, while cadmium was detected in only 9 percent of samples.

Iron was detected at the highest mean concentration of the dissolved trace elements (0.12 mg/L) and aluminum was second highest (0.11 mg/L). The remaining dissolved trace elements were considerably below 0.01 mg/L.

As indicated by calculated CVs (overall CV for dissolved trace elements of 0.81), the analytical data for dissolved trace elements displayed lower variability than for total trace elements, with CVs ranging from 0.48 (barium) to 1.14 (manganese).

Aluminum. The FOD for dissolved aluminum was 87 percent. Aluminum was detected at a mean concentration of 0.011 mg/L. Unlike total aluminum, the mean for dissolved aluminum is within the range of MRLs and MDLs. Therefore, the mean is largely a function of detection limits and estimated values. The CV for dissolved aluminum was 0.68.

Barium. Dissolved barium was detected in all samples at a mean concentration of 0.0041 mg/L, which is above the range of detection limits. The CV for dissolved barium was 0.48.

Iron. The FOD for dissolved iron was 92 percent. Iron was detected at a mean concentration of 0.12 mg/L, and is one of the most abundant metals in South Fork Koktuli River water samples. The CV for dissolved iron was 1.01.

Copper. The FOD for dissolved copper was 99 percent. Copper was detected at a mean concentration of 0.0013 mg/L, which is above the range of detection limits. The CV for dissolved copper was 0.88. Copper was present at higher concentrations near the general deposit area than at sample locations downstream.

Zinc. The FOD for dissolved zinc was 86 percent. Zinc was detected at a mean concentration of 0.0027 mg/L, which is above the range of MDLs and within the range of MRLs. Therefore, the mean is a function of detection limits and estimated values. The CV for dissolved zinc was 1.02.

Lead. The FOD for dissolved lead was 25 percent. Lead was detected in 25 percent of samples at a mean concentration of 0.000087 mg/L, which is within the range of MRLs and MDLs. Therefore, the mean is a function of detection limits and estimated values. The CV for dissolved lead was 0.87.

Cadmium. The FOD for dissolved cadmium was 9 percent. Cadmium was detected at a mean concentration of 0.000013 mg/L, which is below the range of MDLs and MRLs. This indicates the mean concentration is largely a function of detection limits and estimated values. The CV for dissolved cadmium was 0.68.

Arsenic. The FOD for dissolved arsenic was 24 percent. Arsenic was detected at a mean concentration of 0.00031 mg/L, which is within the range of MRLs and MDLs. Therefore, the mean is largely a function of detection limits and estimated values. The CV for dissolved arsenic was 0.57.

Nickel. The FOD for dissolved nickel was 89 percent. Nickel was detected at a mean concentration of 0.00041 mg/L, which is above the range of MDLs and within the range of MRLs. As such, the mean combines a function of detection limits, estimated values, and some detected concentrations. The CV for dissolved nickel was 0.61.

Molybdenum. The FOD for dissolved molybdenum was 96 percent. Molybdenum was detected at a mean concentration of 0.00066 mg/L, which is within the range of MRLs and MDLs. Therefore, the mean is largely a function of detection limits and estimated values. The CV for dissolved molybdenum was 0.98.

Manganese. Dissolved manganese was detected in all samples at a mean concentration of 0.020 mg/L. The CV for dissolved manganese was 1.14, which indicates moderate variability in concentrations, similar to that seen for total manganese. This was the highest CV across dissolved trace elements.

Cyanides

Total Cyanide. The FOD for total cyanide was 9 percent. Total cyanide was detected at a mean concentration of 0.0028 mg/L, which is below the range of MRLs and within the range of MDLs. Therefore the majority of detected concentrations are estimated values below the limits of quantitation. The CV for total cyanide was 1.09.

WAD Cyanide. The FOD for WAD cyanide was 9 percent. WAD cyanide was detected at a mean concentration of 0.0027 mg/L, or essentially the same as the mean concentration for total cyanide. The CV for WAD cyanide was 0.68.

Organic Compounds

In 2004, 2005, and 2007, a small subset of surface water samples from the South Fork Koktuli River was analyzed for organic compounds (DRO, GRO, RRO, VOCs, SVOCs, PCBs, and pesticides). These compounds were not expected to be detected because of the remote, undeveloped nature of the area. Six samples were collected and analyzed to provide confirmation of this assumption. As shown in Appendix 9.1B, none of these constituents were detected in any surface water samples from the South Fork Koktuli River.

Dissolved Organic Carbon. As shown on Table 9.1-6, the FOD for dissolved organic carbon was 93 percent. Dissolved organic carbon was detected at a mean concentration of 1.36 mg/L, which is similar to but slightly below the mean concentration in North Fork Koktuli River and Upper Talarik Creek samples. The CV for organic carbon was 0.62, with a range of values between 0.22 and 4.09 mg/L.

Comparison with Water Quality Criteria

Field and physical parameters, major ions, nutrients, total and dissolved trace elements, and cyanides were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

A summary of the comparison with water quality criteria is presented in Table 9.1-13. Concentrations of most constituents met criteria. Concentrations were outside of the most stringent criteria in at least one sample for the following parameters:

- pH was outside the criteria range in 195 of 605 samples.
- DO was below the minimum criteria in 39 of 596 samples.
- Alkalinity was below the minimum criteria in 396 of 611 samples.
- WAD cyanide was above the maximum criteria in 8 of 598 samples.

The pH was below the criteria range of 6.5 in 194 samples (32 percent) across 18 locations, and above the criteria range of 8.5 in one sample (station SK100F from July 2004). Several locations had pH below the criteria range in more than 10 samples, with station SK100A having pH outside criteria most frequently (23 samples; Appendix 9.1B). Most pH extremes occurred in fall or winter, and pH was not consistently low at any one location. DO was below the minimum criteria in 6 percent of samples. These are typically short-term, intermittent dips in DO concentrations at a few locations. Alkalinity concentrations were below the minimum criteria in many samples from multiple locations.

WAD cyanide was naturally above the most stringent maximum criteria in 1.3 percent of samples, which is not unexpected given the large number of samples collected from the South Fork Koktuli River. Most sampling locations with WAD cyanide concentrations above criteria are in the upstream portion of the South Fork Koktuli River system near the deposit area and include both main stem (stations SK100D, SK100F, SK100G) and tributary (stations SK134A and SK133A) sample locations.

Nine metals had concentrations above the most stringent maximum criteria in at least one sample. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates.

- Aluminum (total: 72 of 601 samples),
- Antimony (total: 2 of 600 samples),
- Cadmium (total: 14 of 600 samples; dissolved: 5 of 593 samples),
- Copper (total: 249 of 601 samples; dissolved: 170 of 513 samples),
- Iron (total: 23 of 601 samples),
- Lead (total: 93 of 601 samples; dissolved: 30 of 477 samples),
- Manganese (total: 89 of 601 samples),
- Mercury (total: 2 of 599 samples), and
- Zinc (total: 5 of 601 samples; dissolved: 3 of 438 samples).

Copper had the greatest number of samples with concentrations naturally above the most stringent maximum criteria (41 percent of samples), followed by aluminum, manganese, and lead with concentrations above the most stringent maximum criteria in 12, 15, and 16 percent of samples, respectively. Cadmium, iron, and zinc had fewer than 2.5 percent of sample concentrations above the most stringent maximum criteria, which is not unexpected considering the large number of samples collected. Antimony and mercury are not trace elements specifically discussed herein; data for these trace elements are summarized in Appendix B.

Naturally occurring aluminum concentrations were above the most stringent maximum criteria in 72 samples from 15 locations. All samples from one main stem location (SK100E) and two tributary locations (SK116A and SK117A), both of which flow through the southern portion of the South Fork Koktuli River, have concentrations naturally above the most stringent maximum criteria.

Naturally occurring concentrations of copper were above the most stringent maximum criteria in 249 samples (41 percent) from all sampling locations above station SK100B1. The majority of naturally higher concentrations are in sampling locations within, or in proximity to, the general deposit location. The number and magnitude of copper concentrations above the most stringent maximum criteria decreased with increasing distance from the deposit area. With one minor exception, all concentrations at and downstream of station SK100B1 were below the most stringent criteria.

Manganese had 89 data points (15 percent) above the most stringent maximum criteria at nine locations, including the six main stem sampling locations closest to the general deposit area (stations SK100I, SK100H, SK100G, SK100F, SK100D, and SK100C) and two tributaries within the general deposit area (stations SK134A and SK133A).

Lead had 93 data points (15 percent) that were above the most stringent maximum criteria at 14 locations. In general, each sampling location had several concentrations naturally above the most stringent maximum criteria; no consistent pattern could be identified. This may indicate the deposit area is not the main source of the naturally occurring lead concentrations in the surface water of the South Fork Koktuli River, and these levels are sporadically present throughout the South Fork Koktuli River.

Iron had 23 data points (3.9 percent) above the most stringent maximum criteria at eight locations, generally consistent with those for manganese. The number and concentrations for copper and manganese above the most stringent maximum criteria decreased with increasing distance from the deposit area.

Spatial and Temporal Trend Analysis

The spatial trend analysis was conducted in three ways. First, regression analysis was conducted to identify any notable trends in total analyte concentrations from upstream to downstream for parameters routinely detected above MRLs. The purpose of this analysis was to determine if concentrations of specific constituents into the drainage along the course of the creek has effects on downstream concentrations at any sampling location.

Second, correlation analysis was conducted to compare streamflow and chemical concentrations. This analysis was prepared to compare the influence of streamflow on the concentration of constituents in the main stem of the South Fork Koktuli River.

Finally, stacked bar graphs were prepared, showing median analyte concentrations by location for each month. These graphs were prepared to determine whether concentrations of specific constituents into the river system along the course of the river have effects on downstream concentrations at any sampling location.

For the first two analyses, median analyte concentrations for each sample location were ordered from upstream to downstream (Table 9.1-14). A linear regression analysis was performed for parameters routinely detected above detection limits. Linear R^2 values and p-values from the Mann-Whitney U-Test were evaluated to identify any significant trends. Spatial regression results are presented in Table 9.1-15, and the significant results are shown graphically in Appendix 9.1E and further discussed below.

Significant negative trends (decreasing concentrations with downstream distance) were apparent from the regression analysis for the following parameters:

- TDS
- Sodium
- Potassium
- Sulfate
- Fluoride
- Hardness
- Iron
- Copper
- Nickel
- Molybdenum
- Cyanide

In general, the trace element concentration trend is to decrease with increasing distance from the deposit area. The general trend of decline in elemental concentrations with distance indicates an upstream source

(i.e., the deposit area) with somewhat higher concentrations, and decreasing concentrations along the stream channel as the streamflow increases. The decrease in elemental concentrations may also reflect, at least in part, natural attenuation processes such as chemical precipitation, adsorption to sediments, and/or uptake by aquatic organisms.

Streamflow effects on concentrations were evaluated by plotting both median concentrations and median daily streamflow measurements (in cubic feet per second) in log scale from upstream to downstream on the same graph for parameters routinely detected above detection limits. These graphs are presented in Figures 9.1-48 through 9.1-67).

Inverse trends between concentration and streamflow are apparent for many constituents. This indicates, for some parameters, concentration is a function of streamflow.

High flow can lead to additional constituent mobilization from the sediment (i.e., scouring) during both snowmelt in the spring and heavy rains in the fall, which can introduce additional constituents into the downstream locations, particularly for water-soluble ions like sodium and chloride. For parameters that indicate the opposite trend, water with low concentrations of these constituents (e.g., TSS) may enter the main stem of the river from tributaries, resulting in lower concentrations as the water is mixed in the main stem.

The correlative parameters (Figures 9.1-48 through 9.1-67) and stacked bar graphs (Figures 9.1-68 through 9.1-89) are discussed by parameter group below. Only graphs for parameters consistently detected above detection limits and/or with significant differences identified are presented and discussed in the following text.

Temporal line graphs were prepared to assess seasonal tendencies for total concentrations of each analyte routinely detected above detection limits at each sampling location (Appendix 9.1F). Chemical- and parameter-specific graphs were prepared where each line represents a different sampling location, with month across the x-axis and median concentration on the y-axis. In general, the absence of a bar for a station means the location wasn't sampled often. In fewer cases, the absence of a bar for a station indicates the lack of detections at that location for the constituent. Note that these graphs are not meant to imply cumulative values, but are intended to be used solely to compare concentrations at different locations across months.

Field and Physical Parameters

Total Dissolved Solids. TDS concentrations decline steadily from station SK100G to station SK100C (Figure 9.1-48). Further downstream, concentrations of TDS stay generally consistent.

The stacked bar graph in Figure 9.1-68 indicates that relatively consistent concentrations are present at most locations and months for TDS. The lowest concentrations generally occurred in May during snowmelt. Exceptions are evident for station SK116A, which only has detectable median concentrations during the fall and early winter, and station SK100C, which is below detectable levels in February or March. The trend observed of lower concentrations of TDS in downstream locations is likely because the primary source of constituents to the South Fork Koktuli is from the deposit area. If additional dissolved solids and hardness-related ions were added to the system in proportion to the water flow, concentrations

would remain consistent with water flow. However, as water flow increases downstream of the deposit area, the concentrations are diluted.

pH (Field). Downstream sample locations generally exhibit lower pH than upstream sample locations (Figure 9.1-49).

The stacked bar graph in Figure 9.1-69 indicates that relatively consistent concentrations are present at most locations and months for pH. Generally, pH was variable seasonally in upstream locations, with slightly higher pH in the spring and again in the fall. An acidic trough, with a median pH near 5.0, was exhibited in November at downstream main stem location SK100C. The source of this acidity is not known but represents a natural condition at this location.

Total Suspended Solids. TSS is generally higher in upstream locations than in downstream locations (Figure 9.1-50).

The stacked bar graph in Figure 9.1-70 indicates that concentrations fluctuate across most locations and months for TSS. For many stations, TSS had a relatively consistent primary peak in May, with smaller peaks in August and November. This pattern is observed regardless of distance from the general deposit area but is more pronounced closer to the general deposit area. This likely represents additional suspended particulates from the high flows associated with snowmelt across the basin at this time.

Major Ions

All reported medians for fluoride were below MRLs, indicating many of the sample results are estimated concentrations. Except for sodium and sulfate, variability of the data was high, as indicated by the large confidence intervals shown in the figures.

Differences in temporal trends among ions are likely attributed to the same factors discussed for trace elements above. Given the generally high water solubility of these major ions relative to trace elements, peaks and influx into the system are more likely largely attributed to water movement (e.g., snowmelt in the spring, rainfall in the fall) than to influx of constituents adsorbed to particulates. Seasonal variations become progressively less evident at downstream locations.

Sodium. Sodium is present at the highest median concentration at station SK100G, and then declines steadily to location SK100C, where concentrations stay generally consistent further downstream (Figure 9.1-51).

The stacked bar graph in Figure 9.1-71 indicates consistent concentrations are present at most locations and months for total sodium. Seasonal patterns were evident from the temporal line graph for sodium (Appendix 9.1F), where median concentrations were generally consistent except for May, when lower concentrations were evident. Sodium also exhibited a unique maximum median concentration in December at location SK119A, a tributary just downstream from station SK100C. Downstream locations showed no discernible seasonal trends.

Potassium. Potassium displays consistent decreases in concentration in relation to increasing distance from the deposit area from station SK100G to station SK100B, then it increases slightly at station SK100A (Figure 9.1-52).

Potassium has relatively consistent concentrations across most sample locations over time, possibly because of its high water solubility. Concentrations at several locations are slightly higher in the spring and lower in the summer (Figure 9.1-72).

Alkalinity, Total. Alkalinity declines from station SK100G to its lowest concentration at station SK100C, then increases and stabilizes in further downstream locations (Figure 9.1-53).

The stacked bar graph in Figure 9.1-73 indicates relatively consistent concentrations are present at most locations and months for total alkalinity. Alkalinity exhibits peaks in March and August at most locations, which likely correspond to conditions of low flow. This pattern was evident regardless of distance from the general deposit area. Overall concentrations are lowest in May and June, consistent with conditions of high flow.

Sulfate. Steadily decreasing concentrations of sulfate occur with distance downstream from station SK100G (Figure 9.1-54).

The stacked bar graph in Figure 9.1-74 indicates consistent concentrations are present at most locations and months for sulfate. Seasonal patterns were evident from the temporal line graph for sulfate (Appendix 9.1F), where median concentrations were generally consistent except for May, when lower concentrations were evident. Downstream locations showed no discernible seasonal trends.

Chloride. Chloride concentrations tend to be higher as flow increases (Figure 9.1-55).

The stacked bar graph in Figure 9.1-75 indicates generally consistent concentrations are present at most locations and months for chloride. Seasonal patterns were evident from the temporal line graph for chloride (Appendix 9.1F). Overall concentrations decline slightly during the summer months and return to the higher year-round values in the fall. Median concentrations peak twice a year in spring and fall. Downstream locations showed less discernible trends than upstream locations.

Fluoride. The medians for fluoride were below MRLs, and no streamflow graphs were developed. The stacked bar graph in Figure 9.1-76 indicates consistent concentrations are present at most locations and months for fluoride, but several locations have detectable concentrations in only some months.

Fluoride median concentrations are greatest for several locations in September.

Hardness as $CaCO_3$ (Not Filtered). Hardness concentrations decline steadily from station SK100G to station SK100C. Further downstream, hardness concentrations increase at location SK100B1 and then decrease at the two furthest downstream main stem sampling locations (Figure 9.1-56). The trend observed for hardness (unfiltered) is likely because the primary source of loading to the South Fork Koktuli is from the general deposit area. If additional dissolved solids and hardness-related ions were added to the system in proportion to the water flow, concentrations would remain consistent with water flow. However, as water flow increases downstream of the deposit area, the concentrations are diluted.

The stacked bar graph in Figure 9.1-77 indicates relatively consistent concentrations in the system are present at most locations, although concentrations at most stations are lowest in May and June. Downstream locations showed less discernible seasonal trends.

Nutrients

Total Nitrate+Nitrite (as N). Total nitrate+nitrite (as N) demonstrates lower concentrations at stations SK100C and SK100A relative to other locations. No relationship with flow is apparent (Figure 9.1-57).

Total nitrate+nitrite (as N) had a peak in the fall months, with a lower peak occurring in May at most locations (Appendix 9.1F). Conversely, low concentrations of total nitrate+nitrite (as N) occur at most locations in the summer months of June through August relative to other months, with some exceptions, including station SK124A where concentrations were highest during June, and station SK100F where concentrations were highest in August (Figure 9.1-78).

Phosphorus. Phosphorus demonstrates lower concentrations between stations SK100B1 and SK100B relative to other locations, which suggests an inverse relationship with flow (Figure 9.1-58).

Phosphorus was detected in all months at most locations, with the highest concentrations usually occurring in May (Figure 9.1-79). However, median concentrations of phosphorus were mostly below MRLs, indicating the majority of data points represent estimated concentrations. Phosphorus median concentrations tended to be higher in late spring and early summer months, with a notable exception of a November peak at station SK133A.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any samples. Therefore, this analyte was not graphically analyzed.

Trace Elements

Peaks observed in the summer and early fall months (July through September) may be attributed to lower water volume during the dry season, combined with relatively consistent concentrations. The high concentrations of some elements observed in the spring (April through June) could be a result of snowmelt, during which time elements may be introduced to the river system with concentrations that are greater than the dilution of the higher flow rates. Concentration peaks observed in fall months (September through November) are likely related to increased precipitation during these months, and the resulting transport of elements to the river system through increased runoff.

Iron. Iron displays consistent decreases in concentration in relation to streamflow; concentrations decline with downstream distance, and hence also with increasing distance from the deposit area. Median concentrations of iron peak at the station SK100G location, decline through location SK100B1, and then stabilize further downstream (Figure 9.1-59).

The stacked bar graph in Figure 9.1-80 generally indicates consistent concentrations at most locations and months for this analyte. Concentrations at different locations vary, with the highest median concentrations from stations SK100F, SK100G, and SK136H (also called SK136A).

Median concentrations of iron showed different patterns at different location. In upstream locations, which are either within or close to the general deposit area, iron concentrations generally appear to peak in May and August; however, the highest peak observed in these upstream samples was in January at main stem location station SK100G. Further downstream locations (station SK119A to station SK100A) show only a small peak in May, with a smaller, more extended increase in concentrations in the fall.

Copper. Copper displays consistent decreases in concentration as streamflow increases downstream. Downstream locations are also further from the general deposit area. Median concentrations of iron peak at the SK100G location, decline through location SK100B1, and then stabilize further downstream (Figure 9.1-60).

The stacked bar graph in Figure 9.1-81 indicates that the greatest concentrations of copper are consistently found at stations SK100G, SK100I (also known as SK136A), and SK100H (also known as SK136B); these stations are located either in the upper reaches of the South Fork Koktuli River that flow through the deposit area or immediately downstream of this area. Concentrations are generally lowest in winter and highest during spring.

Seasonal patterns were evident from the temporal line graph for copper. A pronounced pattern for copper can be seen; median concentrations of copper were observed to peak twice a year, in spring and summer. This is most evident at upstream locations, and is muted in further downstream locations. The highest median concentrations were seen in main stem sampling location station SK100H (also known as SK136A), located within the deposit area. These sampling locations are within and downstream from the deposit area.

Zinc. Zinc declines slightly as streamflow increases but increases at station SK100C relative to other locations (Figure 9.1-61).

The stacked bar graph in Figure 9.1-82 generally indicates consistent concentrations are present at most locations and months for this analyte.

Zinc exhibits two seasonal peaks, one in winter (February) and one in summer (July). This pattern is different from the other trace elements. The highest median, approximately three times higher than any other month or location, is at tributary location SK124A in February. Locations SK100I (also known as SK136B) and SK131A also had high median concentrations in February, July, and/or December. Zinc has the highest water solubility of the trace elements included in this evaluation; this characteristic may be one contributing factor for the somewhat different seasonal pattern seen for zinc.

Lead. Lead shows relatively consistent median concentrations in the main stem locations with distance downstream. Median concentrations were all just above MRLs (Figure 9.1-62).

High median concentrations of lead were observed in tributary location 124A in February and tributary location 119A in December (Figure 9.1-83). The latter tributary flows through the mid-northern portion of the South Fork Koktuli River and does not collect surface water from the general deposit area. Therefore, lead concentrations do not appear to be correlated with the general deposit area.

Lead does not show any evident seasonal patterns. Downstream sample locations indicate higher concentrations in early spring than other seasons, while locations further upstream exhibited peaks in December (station SK119A) and June (station SK133A). Concentrations were generally low in July through November and generally highest in winter and spring, with some exceptions. These exceptions include station SK100C, which was highest in July, and station SK100I (also known as SK136B), which was highest in August.

Cadmium. Cadmium median concentrations were above MRLs only at station SK100B1. Therefore, no trends could be identified in the data (Figure 9.1-63).

Cadmium does not show any evident seasonal patterns. Concentrations are generally quite low across months, with the exception of station SK100H (also known as SK136A), located upstream and within the general deposit area, in late fall (Figure 9.1-84). Cadmium median concentrations are generally below MRLs at downstream sampling locations. There is a wide variability in cadmium concentrations by month and location, likely associated with concentrations below MRLs for most samples.

Arsenic. Arsenic median concentrations were above MRLs only at station SK100B1. Therefore, no trends could be identified in the data (Figure 9.1-64).

Arsenic median concentrations are generally near the MRLs, making identification of seasonal patterns difficult. No pattern is evident at station SK131A, a tributary that drains into Frying Pan Lake, one of the few locations consistently above MRLs (Figure 9.1-85). Overall, arsenic concentrations were generally lower in the winter and higher in the summer.

Nickel. Nickel displays a clear and consistent pattern of decreasing concentrations in relation to increasing distance from the general deposit area, or an inverse relationship with flow (Figure 9.1-65). Sample locations SK100H, SK100G, and SK100I had the highest median concentration of nickel (Appendix 9.1F).

Nickel median concentrations are generally higher in winter and summer from sample locations in and near the general deposit area. This trend is not discernible at downstream sampling locations. The stacked bar graph in Figure 9.1-86 indicates that station SK100I (also known as 136B) has the highest median nickel concentrations. The greatest concentrations of nickel were generally in winter months.

Molybdenum. Molybdenum displays a clear and consistent pattern of decreasing concentrations in relation to increasing distance from the general deposit area, or an inverse relationship with flow. Median concentrations of molybdenum peaked at the SK100G location (Figure 9.1-66).

The lowest contribution of molybdenum generally occurs in spring; other seasons generally have higher overall concentrations. Concentrations of molybdenum were bimodal at sampling locations in and near the general deposit area, with peaks in winter and summer. The most pronounced seasonal pattern was observed at sampling location SK100H (also known as SK136A), located within the deposit area. This location had the highest median molybdenum concentrations across all months throughout the system. The seasonal pattern is not apparent at sampling location SK133A and further downstream. Sample locations SK100G, SK100I, and SK134A generally had the next highest median concentrations of molybdenum.

Cyanides

Total Cyanide. Total cyanide had consistent median concentrations just above MRLs from upstream locations down to station SK100C, when concentrations then gradually declined below MRLs (Figure 9.1-67).

The median concentrations of total cyanide were all near or below MDLs except in June, indicating they are largely estimated concentrations. The total cyanide median concentrations at eight sampling locations are highest in June, particularly at main stem locations SK100B, SK100D, and SK100F, and at tributary location SK134A located within the deposit area. The highest total cyanide median concentrations come from stations SK134A and SK100B in this month (Figure 9.1-88). Station SK134A is located on the border of the deposit area, while station SK100B is located more than 10 miles downstream on the main stem of the river. Based on these observations, sources other than the deposit area appear to be contributing to the naturally occurring concentrations of total cyanide detected at these locations.

WAD Cyanide. The median concentrations for WAD cyanide were below MRLs at all locations, so no streamflow graph was developed.

WAD cyanide had a median concentration below MRLs in most months and showed a pattern similar to that of total cyanide. Location SK134A provides the highest concentrations of WAD cyanide in June. WAD cyanide had a peak median concentration in June at tributary location SK134A. However, WAD cyanide also had an earlier March peak for location SK100D, but a later August peak for downstream location SK100B, than was observed for total cyanide. No consistent patterns are evident from evaluation of the stacked bar graphs for WAD cyanide (Figure 9.1-89).

9.1.8.3. Results and Discussion: Upper Talarik Creek

This section presents the findings of the surface water quality study in the Upper Talarik Creek drainage in the mine study area. Surface water samples and measurement of physical and chemical parameters were obtained from the creek and its tributaries to assess the spatial and temporal variability of field and physical parameters, major ions, nutrients, trace elements, and cyanides in the mine study area. The analysis was conducted using data acquired during the 5-year period from 2004 to 2008.

The Upper Talarik Creek study area encompasses approximately 20 miles of the main stem of the creek, originating from just north of the deposit area and ending near Lake 2 (Figure 9.1-3), approximately 6 miles north of Iliamna Lake. It includes five tributaries.

As shown in Table 9.1-7, 509 surface water samples were collected and analyzed from 15 sampling locations in Upper Talarik Creek and its tributaries between 2004 and 2008. The number of data points differs among constituents because some data were analyzed only in some seasons (e.g., phosphorus, total orthophosphate), resulting in fewer data points as well.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, cyanides, and organic compounds.

Field and Physical Parameters

Eight field and physical parameters were measured in Upper Talarik Creek surface water samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-7. The overall CV for this group of 0.74 is similar to, but slightly less than, that for North and South Fork Koktuli River samples.

Total Dissolved Solids. The FOD for TDS was 99 percent. The TDS mean concentration is low relative to rivers in more-developed areas, with a mean concentration of 51.2 mg/L. The CV for TDS was 0.37.

pH (Field). The mean pH was 6.99. The CV for pH was 0.091. A pH median of 7.01 indicates the water of the Upper Talarik Creek is neutral.

Dissolved Oxygen. DO was detected in all samples at a mean concentration of 10.5 mg/L. The CV for DO was 0.19, indicating very low variability in this drainage. Overall, DO was high relative to typical rivers in the continental U.S., indicating the surface water is well aerated.

Water Temperature. The mean water temperature was 4.04^{o}C, which is slightly colder than water in either the North or South Fork Koktuli River samples. The CV for water temperature was 0.98. Water temperature is cold, with a median temperature of 2.53^{o}C.

Specific Conductivity (Field). The mean concentration for specific conductivity was 73.4 uS/cm. The CV for specific conductivity was 0.34.

Turbidity. The mean concentration for turbidity was 1.75 NTU. Turbidity is similar to that in South Fork Koktuli River samples,, and higher than that in the North Fork Koktuli River. The CV for turbidity was 1.31.

Total Suspended Solids. The FOD for TSS was 94 percent. The TSS mean concentration is low relative to rivers in more-developed areas, with mean a concentration of 2.52 mg/L. The CV for TSS was 1.58.

Oxidation Reduction Potential. The FOD for ORP was 99.8 percent. ORP was detected at a mean concentration of 111 mV, with a range of -214 to 519 mV. The CV for ORP was 0.82.

Major Ions

Upper Talarik Creek surface water data for nine parameters (calcium, magnesium, sodium, and potassium [total and dissolved, as well as alkalinity, sulfate, chloride, fluoride, and hardness [filtered and not filtered]) are discussed in this section and summarized in Table 9.1-7. Data for other analyzed parameters in this group can be found in Appendix 9.1B. The overall CV for this group of 0.48 is similar to that in South Fork Koktuli River samples, but higher than North Fork Koktuli River samples.

Most of the major ions, except alkalinity (99 percent FOD), sulfate (99.6 percent FOD), and fluoride (63 percent FOD), were detected in all samples. Calcium and sulfate were detected at the highest mean concentrations of the individual ions; fluoride had a mean concentration one to three orders of magnitude lower than the other major ions (Table 9.1-7).

Calcium (Total). Total calcium was detected in all samples at a mean concentration of 8.91 mg/L. Calcium is the most abundant major ion in Upper Talarik Creek water samples. The CV for total calcium was 0.42.

Calcium (Dissolved). Dissolved calcium was detected in all samples at a mean concentration of 8.77 mg/L. Calcium is the most abundant major ion in Upper Talarik Creek water samples. The CV for dissolved calcium was 0.3.

Magnesium (Total). Total magnesium was detected in all samples at a mean concentration of 2.13 mg/L. The CV for total magnesium was 0.5.

Magnesium (Dissolved). Dissolved magnesium was detected in all samples at a mean concentration of 2.12 mg/L. The CV for dissolved magnesium was 0.46.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.85 mg/L, making it the third most abundant ion in Upper Talarik Creek samples. The CV for total sodium was 0.44.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.82 mg/L. The CV for dissolved sodium was 0.32.

Potassium (Total). Total potassium was detected in all samples at a mean concentration of 0.44 mg/L, making it one of the more abundant ions in river samples for this drainage. The CV for total potassium was 0.49.

Potassium (Dissolved). Dissolved potassium was detected in all samples at a mean concentration of 0.44 mg/L. The CV for dissolved potassium was 0.43.

Alkalinity, Total. The FOD for total alkalinity was 99 percent. Total alkalinity was detected at a mean concentration of 31.8 mg/L. The CV for total alkalinity was 0.34.

Sulfate. The FOD for sulfate was 99.6 percent. Sulfate was detected at a mean concentration of 5.48 mg/L, second in abundance to calcium of the major ions in the Upper Talarik Creek water samples. The CV for sulfate was 1.43, which is much higher than the other constituents in this group.

Chloride. Chloride was detected in all samples at a mean concentration of 0.7 mg/L. The CV for chloride was 0.29, implying a small range of concentrations across samples as shown on Table 9.1-7.

Fluoride. The FOD for fluoride was 63 percent. Fluoride was detected at a mean concentration of 0.039 mg/L, which is the lowest across the major ions in Upper Talarik Creek water samples. Fluoride concentrations were mostly below MRLs, indicating the mean is a function of detection limits and estimated values. The CV for fluoride was 0.61.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected in all samples at a mean concentration of 30.6 mg/L. The CV for hardness as $CaCO_3$ (not filtered) was 0.32. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria but harder than water in the South Fork Koktuli River or North Fork Koktuli River.

Hardness as $CaCO_3$ (Filtered). Hardness as $CaCO_3$ (filtered) was detected at a mean concentration of 26.5 mg/L. The CV for hardness as $CaCO_3$ (filtered) was 0.42. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria but harder than water in the South Fork Koktuli River or North Fork Koktuli River.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-7.

Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1B.

Nutrients were not detected in all samples. Total nitrate+nitrite (as N) was detected in 88 percent of surface water samples, phosphorus was detected in 77 percent of samples, and nitrogen, total ammonia (as N) was detected in only 23 percent of samples. Total orthophosphate [as P] was not detected in any of the water samples from Upper Talarik Creek.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.97 (total phosphorus) to 1.57 (total ammonia as N). The CV for all nutrients was 1.31.

Nitrogen, Total Ammonia (as N). The FOD for nitrogen, total ammonia (as N) was 23 percent. Total ammonia (as N) was detected at a mean concentration of 0.036 mg/L, which is below the MRLs. Therefore, the majority of concentrations were below MRLs. The highest concentration was 1.03 mg/L. The CV for nitrogen, total ammonia (as N) was 1.57, which is higher than that for the major ions for river samples in this drainage.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 88 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.25 mg/L and was dominated by nitrate, as shown in Appendix 9.1B. The CV for total nitrate+nitrite (as N) was 1.38.

Phosphorus. The FOD for phosphorus was 77 percent. Phosphorus was detected at a mean concentration of 0.019 mg/L, which is within the range of MRLs and MDLs. The mean is, in part, a function of detection limits and estimated values. The CV for phosphorus was 0.97.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any Upper Talarik Creek samples.

Total Trace Elements

Data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-7 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1B.

Total barium was detected in all samples. Five other trace elements (aluminum, iron, copper, nickel, and manganese) were detected in more than 90 percent of samples, while total cadmium was detected in the fewest samples (8 percent FOD). Total iron was the only parameter with a mean concentration above 0.1 mg/L (0.28 mg/L). Aluminum and manganese were present at the next highest concentrations, both with means over 0.01 mg/L. Cadmium was detected at the lowest concentrations with a mean of 0.000013 mg/L.

The overall CV for total trace elements in Upper Talarik Creek surface water samples was 1.86, which is higher than CVs for total trace elements in other drainages and higher than major ions.

Aluminum. The FOD for total aluminum was 95 percent. Aluminum was detected at a mean concentration of 0.075 mg/L. The CV for total aluminum was 1.46. The majority of aluminum samples were above the limits of detection.

Barium. Total barium was detected in all samples at a mean concentration of 0.0061 mg/L. The CV for total barium was 0.54.

Iron. The FOD for total iron was 97 percent. Iron was detected at a mean concentration of 0.28 mg/L, making it the most abundant of the evaluated trace elements for river samples in this drainage. The CV for total iron was 0.92.

Copper. The FOD for total copper was 93 percent. Copper was detected at a mean concentration of 0.00057 mg/L. The CV for total copper was 1.78, and represents the difference in concentrations from sample locations near the general deposit area and those further downstream.

Zinc. The FOD for total zinc was 66 percent. Zinc was detected at a mean concentration of 0.0022 mg/L. The CV for total zinc was 1.31.

Lead. The FOD for total lead was 29 percent. Lead was detected at a mean concentration of 0.00037 mg/L. The CV for total lead was 5.70, indicating substantial variability in this constituent.

Cadmium. The FOD for total cadmium was 8 percent. Cadmium was detected at a mean concentration of 0.000013 mg/L, which is below the range of MRLs. This indicates that detected concentrations were largely estimated values. The CV for total cadmium was 1.31.

Arsenic. The FOD for total arsenic was 60 percent. Arsenic was detected at a mean concentration of 0.00084 mg/L, which is within the range of MRLs, indicating the mean is largely a function of detection limits and estimated values. The CV for total arsenic was 1.19.

Nickel. The FOD for total nickel was 91 percent. Nickel was detected at a mean concentration of 0.00052 mg/L. Nickel was more abundant in Upper Talarik Creek samples than in those from the North Fork Koktuli River, but similar in FOD to South Fork Koktuli River samples. The CV for total nickel was 1.16.

Molybdenum. The FOD for total molybdenum was 85 percent. Molybdenum was detected at a mean concentration of 0.00025 mg/L, which is within the range of MRLs and MDLs for this element. Therefore, detected molybdenum concentrations represent a mixture of estimated and measured concentrations. The CV for total molybdenum was 4.06, which is high relative to most trace elements. The high variability is most likely due to the differences in proximity of sample locations to the general deposit area.

Manganese. The FOD for total manganese was 99.6 percent. Manganese was detected at a mean concentration of 0.026 mg/L, which is about double the mean concentration in North Fork Koktuli River water samples and about 30 percent higher than the mean concentration in South Fork Koktuli River samples. The CV for total manganese was 1.07.

Dissolved Trace Elements

Data for dissolved aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-7 and discussed below. Other dissolved trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, selenium, silicon, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1B.

Dissolved barium was detected in all samples. Four other trace elements (iron, copper, nickel, and manganese) were present in more than 90 percent of samples, while dissolved cadmium was detected in the fewest samples (7 percent FOD). Dissolved iron was the only parameter with a mean concentration above 0.1 mg/L (0.11 mg/L). Aluminum and manganese were present at the next highest concentrations, both with means over 0.01 mg/L. Cadmium and lead were present at the lowest concentrations, with mean concentrations less than 0.0001 mg/L.

Dissolved trace elements in Upper Talarik Creek surface water samples showed less variability than total trace elements, with an overall CV of 0.94.

Aluminum. The FOD for dissolved aluminum was 87 percent. Aluminum was detected at a mean concentration of 0.013 mg/L, or about $1/6^{th}$ the mean concentration of total aluminum. The mean concentration is within the range of MRLs and MDLs, indicating many of the values are estimated concentrations. The CV for dissolved aluminum was 1.1.

Barium. Dissolved barium was detected in all samples at a mean concentration of 0.0055 mg/L. The CV for dissolved barium was 0.41.

Iron. The FOD for dissolved iron was 92 percent. Iron was detected at a mean concentration of 0.11 mg/L and was the most abundant of the evaluated trace elements. The CV for dissolved iron was 0.83.

Copper. The FOD for dissolved copper was 96 percent. Copper was detected at a mean concentration of 0.00042 mg/L, which is within the range of MRLs and MDLs for this element. This indicates that many of the dissolved copper detected values represent estimated concentrations. The CV for dissolved copper was 0.89.

Zinc. The FOD for dissolved zinc was 73 percent. Zinc was detected at a mean concentration of 0.002 mg/L, which is within the range of MRLs for this element. The CV for dissolved zinc was 1.09.

Lead. The FOD for dissolved lead was 24 percent. Lead was detected at a mean concentration of 0.000067 mg/L. The CV for dissolved lead was 1.53, which was much lower than that for total lead in river samples for this drainage.

Cadmium. The FOD for dissolved cadmium was 7 percent. Cadmium was detected at a mean concentration of 0.000012 mg/L, which is below the MRLs for this element. This indicates the mean is a function of detection limits and estimated concentrations. The CV for dissolved cadmium was 0.77.

Arsenic. The FOD for dissolved arsenic was 55 percent. Arsenic was detected at a mean concentration of 0.00067 mg/L, which is within the range of MDLs and MRLs for this element. Therefore, many of the detected values represent estimated concentrations. The CV for dissolved arsenic was 0.98.

Nickel. The FOD for dissolved nickel was 98 percent. Nickel was detected at a mean concentration of 0.00063 mg/L, which is within the range of MRLs. Many of the detected nickel concentrations are estimated values. The CV for dissolved nickel was 1.04.

Molybdenum. The FOD for dissolved molybdenum was 87 percent. Molybdenum was detected at a mean concentration of 0.0002 mg/L, which is within the range of MRLs and MDLs for this element. Therefore,

the mean concentration is driven by the detection limits and estimated values. The CV for dissolved molybdenum was 0.51, which was an order of magnitude lower in variability than total molybdenum for river samples in this drainage.

Manganese. The FOD for dissolved manganese was 99.8 percent. Manganese was detected at a mean concentration of 0.021 mg/L. The CV for dissolved manganese was 1.19.

Cyanides

Total Cyanide. The FOD for total cyanide was 11 percent. Total cyanide was detected at a mean concentration of 0.0015 mg/L. The CV for total cyanide was 1.62.

WAD Cyanide. The FOD for WAD cyanide was 11 percent. WAD cyanide was detected at a mean concentration of 0.0015 mg/L, which is identical to the total cyanide value. The CV for WAD cyanide was 1.57.

Organic Compounds

In 2004, 2005, and 2007, a small subset of surface water samples from Upper Talarik Creek were analyzed for organic compounds (DRO, GRO, RRO, VOCs, SVOCs, PCBs, and pesticides). These compounds were not expected to be detected because of the remote, undeveloped nature of the area. Six samples were collected and analyzed to provide confirmation of this assumption. As shown in Appendix 9.1B, none of these constituents were detected in any surface water samples from Upper Talarik Creek.

Dissolved Organic Carbon. Dissolved organic carbon was analyzed in 191 samples. Data are summarized in Table 9.1-7. The FOD for dissolved organic carbon was 95 percent. Dissolved organic carbon was detected at a mean concentration of 1.57 mg/L. The CV was 0.82, with a range of concentrations from 0.16 to 8.18 mg/L.

Comparison with Water Quality Criteria

Field and physical parameters, major ions, nutrients, total and dissolved trace elements, and cyanides were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates.

A summary of the comparison is presented in Table 9.1-16. Concentrations of most constituents met the most stringent criteria. Concentrations were outside of the most stringent criteria in at least one sample for the following parameters:

- pH was outside the criteria range in 77 out of 500 samples.
- Alkalinity was below the minimum criteria in 54 out of 497 samples.

- DO was below the minimum criteria in 9 out of 494 samples.
- WAD cyanide was above the maximum criteria in 9 out 484 of samples.

The pH was below the most stringent criteria range of 6.5 in 76 samples (15 percent) across nine locations and above the criteria range of 8.5 in one sample (station UT138A from May 2004). The one sample with a pH of 14.6 is likely an error. Location UT119B had the highest frequency of pH below the most stringent criteria. Both of these locations are downstream from the general deposit area. The pH extremes did not occur in the summer months. Most pH extremes occurred in winter or spring, during periods just before and during snowmelt.

WAD cyanide concentrations had naturally occurring concentrations above most stringent maximum criteria at six locations (1.5 percent of samples), all in the upstream portion of the Upper Talarik Creek drainage near the general deposit area, and include both main stem stations(UT100D and UT100E) and tributary) sample locations (UT135A, UT138A, UT141A, and UT146A.

Concentrations were above the most stringent maximum criteria in at least one sample for the following trace elements:

- Aluminum (total: 107 of 486 samples; dissolved: 4 of 479 samples).
- Antimony (total: 3 of 486 samples).
- Iron (total: 6 of 486 samples).
- Copper (total: 35 of 486 samples; dissolved: 9 of 350 samples).
- Lead (total: 40 of 486 samples; dissolved: 5 of 399 samples).
- Cadmium (total: 7 of 481 samples; dissolved: 4 of 479 samples).
- Arsenic (total: 1 of 486 samples).
- Manganese (total: 71 of 486 samples).
- Silver (total: 1 of 486 samples).

For aluminum, the majority of naturally occurring concentrations above the most stringent maximum criteria were primarily from locations UT135A, UT100E, UT138A, and UT141A. The tributary in which station UT141A is located flows through the eastern portion of the general deposit area, and the other two are located nearby; the majority of these samples were collected between April and June. Iron and cadmium concentrations were naturally above the most stringent maximum criteria in about 1 percent of samples, which is not surprising given the large number of samples collected from the Upper Talarik Creek drainage. Antimony and silver are not trace elements specifically discussed herein; data for these trace elements are summarized in Appendix B.

The lead concentrations naturally above the most stringent maximum criteria do not appear to be related to proximity to the general deposit area. These naturally elevated concentrations may therefore be the result of localized sources that are not continuous throughout the drainage.

Manganese concentrations were naturally above the most stringent maximum criteria at eight locations, including five main stem and three tributary locations, but all concentrations were less than 3 times the

most stringent maximum criteria. No concentrations above the most stringent maximum criteria were observed in the most downstream sample location (UT100A); only two samples each at stations UT100B and UT100C2 had concentrations above maximum criteria; and a single sample at station UT100C1 had one concentration above the most stringent maximum criteria. The majority of manganese concentrations naturally above the most stringent maximum criteria were observed in samples from two locations, stations UT146A and UT100D. Sample location UT146A is in a tributary that flows through the general deposit area, and station UT100D is the closest main stem location downstream of station UT146A (except station UT100D1, from which only nine samples were collected across only 2 years). The association of these two sample locations with the area containing the deposit likely explains the majority of naturally elevated manganese concentrations occurring there.

Spatial and Temporal Trend Analysis

This analysis was conducted in three ways, as described in Section 9.1.8.1. The upstream-to-downstream sample location ordering used for the first two analyses is presented in Table 9.1-17. Spatial regression results are presented in Table 9.1-18, and the significant results are shown graphically in Appendix 9.1E and further discussed below.

Significant positive trends (increasing concentrations or values with downstream distance) were apparent from the regression analysis for the following parameters:

- Chloride
- Arsenic
- Molybdenum

Significant negative trends (decreasing concentrations with downstream distance) were apparent from the regression analysis for the following parameters:

- TDS
- Potassium
- Sodium
- Alkalinity
- Sulfate
- Hardness

Streamflow effects on concentrations were evaluated by plotting both median analyte concentrations and median daily streamflow measurements (in cubic feet per second) in log scale from upstream to downstream on the same graph for parameters routinely detected above detection limits. Streamflow increased from upstream to downstream (Figures 9.1-90 through 9.1-108).

Both direct (e.g., chloride) and inverse relationships (e.g., TDS) with streamflow are apparent, which indicates concentration is a function of streamflow for some constituents.

High flow can lead to higher concentrations in surface water from the constituents adsorbed to sediment (i.e., scouring) during both snowmelt in the spring and heavy rains in the fall, which can lead to higher

concentrations in the downstream locations, particularly for water soluble ions like chloride. For parameters that indicate the opposite trend, water low in these parameters (e.g., TDS) may be entering the main stem of the river from tributaries, resulting in lower concentrations as the water is mixed in the main stem.

The correlative parameters (Figures 9.1-90 through 9.1-108) and stacked bar graphs (Figures 9.1-109 through 9.1-130) are discussed by parameter group below. Only graphs for parameters consistently detected above detection limits and/or with significant differences identified are presented and discussed in the following text.

Temporal line graphs were prepared to assess seasonal tendencies for total concentrations of each analyte routinely detected above MRLs at each sampling location (Appendix 9.1F). For each chemical-specific graph, each line represents a different sampling location, with month across the x-axis and median concentration on the y-axis.

Field and Physical Parameters

Evaluation of the temporal line graphs revealed several general trends, although differences by location were apparent in almost all cases.

Total Dissolved Solids. TDS exhibited higher median values at the two most upstream locations, UT100E and UT100D, both of which are associated with the general deposit area (Figure 9.1-90). The median value was substantially lower at the next downstream location (UT100C2) and remained generally lower, while fluctuating, in all sample locations further downstream. This is likely attributed to dilution from the deposit area as additional water enters the system downstream of the general deposit area.

The stacked bar graph (Figure 9.1-109) indicates that higher TDS concentrations generally occur in winter and fall months at most stations, with lowest concentrations generally occurring in spring (e.g., April) for most locations. Contributions from individual locations are relatively consistent over the seasons for most stations.

This trend of lower concentrations in spring becomes less apparent at downstream sampling locations.

pH (Field). The pH values fluctuated by sample location, but were generally consistent from upstream to downstream. The most noticeable fluctuation occurred between sample locations UT100D and UT100C2, where the median pH value decreased from about 7.0 to roughly 6.8. Further downstream, median pH values slowly increased and returned to a median value of about 7.0 at station UT100B (Figure 9.1-91).

The pH values were variable across locations and months, and no patterns could be identified (Figure 9.1-110).

Total Suspended Solids. TSS showed relatively consistent concentrations throughout the Upper Talarik Creek sampling locations, indicating no localized sources of TSS across the sampling locations (Figure 9.1-92).

The stacked bar graph (Figure 9.1-111) exhibits a pattern generally opposite that of TDS. Highest median concentrations generally occurred in April, and the trend is more apparent in downstream than in

upstream locations. TSS is consistently low across locations in other months, with the exceptions of stations UT100A, and UT100C2, which exhibit later peaks apparent in late summer.

Major Ions

Evaluation of the temporal line graphs revealed several general trends, but differences were evident among constituents. Location UT146A, located within the deposit area, demonstrated the highest median concentrations across locations and had seasonal peaks in winter, summer, and fall.

Sodium. Sodium concentrations showed a decrease in median concentrations in the downstream direction (Figure 9.1-93). The median concentration for sodium was much higher at locations UT100D and UT100E than at all other locations. These locations are in or very near to the general deposit area. Sodium concentrations declined more gradually in the locations downstream.

The graph shown in Figure 9.1-112 indicates that generally consistent concentrations are present at most locations and months for sodium. Sodium concentrations at most locations were lower in April and May relative to the rest of the year, likely as a result of dilution from snowmelt. This trend is less apparent at sampling locations well downstream. May was the only month in which sodium was detected at tributary location UT135B, which was only sampled in May 2004. Because this tributary was only sampled in May 2004, it is of limited value in evaluating trends.

Potassium. Potassium showed a significant trend from upstream to downstream. Potassium concentrations decreased in the downstream direction, which was opposite to streamflow (Figure 9.1-94). Potassium-bearing deposits may be more isolated and/or correlated with the location of the general deposit area, which is closest to the upstream river locations. This would result in higher potassium concentrations in the upstream locations, followed by dilution as the source contribution decreased and streamflow increased.

In general, potassium concentrations peak in spring and are otherwise somewhat variable. Unlike many of the other constituents, the general trend is more apparent in downstream samples. Not only is the trend less apparent in upstream locations, it is actually reversed at tributary location UT146A, located just east of the general deposit area, where the concentration dips in the spring relative to other months (Appendix 9.1F). Concentrations were typically highest at station UT146A, located upstream just north of the general deposit area (Figure 9.1-113). Therefore, potassium input into the system appears to be influenced by the higher mineralization in the general deposit area.

Total Alkalinity. Total alkalinity exhibited higher median values at the two most upstream locations, UT100E and UT100D, both of which are associated with the deposit area (Figure 9.1-95). The median values became substantially lower downstream at stations, UT100C2, and UT100C1, and remained lower in locations further downstream. This is likely attributed to dilution from the deposit area as additional water enters the system downstream of the deposit.

Alkalinity was at its lowest in spring during snowmelt. The trend is somewhat less evident at downstream locations. Otherwise concentrations are generally consistent across the year for most stations (Figure 9.1-114).

Sulfate. Sulfate concentrations showed a general decrease in the downstream direction, although the median concentration increased slightly at the most downstream sample location (Figure 9.1-96). The

median sulfate concentrations were much higher at locations UT100D and UT100E than at all other locations. These locations are in or very near the deposit area. Sulfate concentrations are generally consistent but much lower at downstream locations.

Sulfate concentrations were consistent and low at most locations, with the exception of some concentrations detected in and near the general deposit area. Sulfate concentrations were lowest in April and May for most stations relative to other months but were always higher at station UT146A than at other locations (Figure 9.1-115).Location UT146A is a tributary located within the general deposit area, which exhibited a bimodal pattern where concentrations are higher in winter and summer and lower in spring and fall.

Chloride. Chloride increased in concentration from upstream to downstream, but the trend is not as clear as for other constituents because concentrations declined between stations UT100C2 and UT100C before increasing to the highest median at the furthest downstream location,UT100B (Figure 9.1-97).

Chloride median concentrations are generally bimodal, with peaks in spring and fall and troughs in summer and winter. The highest concentrations were in the fall for most locations, and overall concentrations were lowest in summer (Figure 9.1-116).

Fluoride. The fluoride median concentrations were below MRLs in all months; the streamflow graph illustrates variability in detection limits across months and locations (Figure 9.1-117).

Hardness (Unfiltered). Unfiltered hardness exhibited higher median values at the two most upstream locations, UT100E and UT100D, both of which are associated with the general deposit area (Figure 9.1-98). The median value was substantially lower at the next downstream location, UT100C2, and remained lower in all sample locations further downstream. This is likely attributed to dilution from the general deposit area as additional water enters the system downstream of the deposit.

A clear temporal pattern was observed for hardness, with lower concentrations in spring (associated with snowmelt) than in other seasons. This pattern was less evident in downstream sampling locations. (Figure 9.1-118).

Nutrients

Total Nitrate+Nitrite (as N). Total nitrate+nitrite (as N) showed generally consistent concentrations across main stem sampling locations, with no correlation to streamflow volume (Figure 9.1-99).

Total nitrate+nitrite (as N) was variable in median concentrations both by month and location, with many medians near the MRL (Figure 9.1-119). The highest median concentration occurred in October at station UT135A, and the next highest medians occurred in January at stations UT100C1 and UT100C2. Concentrations were generally lowest in summer.

Phosphorus. Phosphorus showed variable but slightly decreasing concentrations across main stem sampling locations, from upstream to downstream (Figure 9.1-100).

Phosphorus was at detectable concentrations all months at most locations, and no general trend could be identified. (Figure 9.1-120) Median concentrations of phosphorus were often below MRLs, indicating that many data points represent estimated concentrations.

Cyclical seasonal differences were apparent at several locations (UT100D, UT100C2, UT135A, and UT100A) with peaks in spring, summer, and fall. However, at most locations, median concentrations were higher only in spring or fall.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any samples. As a result, no graphs are presented.

Total Trace Elements

Evaluation of the temporal line graphs revealed several general trends, although differences by location were apparent in most cases.

Differences in temporal trends among elements may be related to differences in solubility, affinity for binding with organic matter, and/or proximity to mineralized locations. Peaks observed in the winter months (November through February) may be attributed to lower water volume; if only a small volume of water remains unfrozen during this time, this may drive concentrations up in winter. The high concentrations of some elements observed in spring (March through May) could be in association with snow or ice melting, when elements may be introduced to the main river stem and tributaries by runoff from terrestrial sources throughout the system.

Concentration peaks observed in late summer and fall months (August through October) are likely related to increased precipitation during these months and the resulting transport of elements to the river system through storm water runoff. In addition to increasing transport from terrestrial sources, both snowmelt and precipitation are also likely to result in increased water volume and velocity, which may also facilitate uptake of elements into the water column.

Iron. Iron exhibited a maximum median concentration at station UT100D that steadily declined at further downstream locations (Figure 9.1-101). This trend was not significant because the most upstream location, UT100E, had the lowest iron median concentration. This location is north of the general deposit area; therefore, this location is expected to have lower iron levels because it is outside the mineralized zone.

The stacked bar graph in Figure 9.1-121 indicates somewhat variable concentrations are present at most locations and months for iron.

Iron generally displays a bimodal trend, with higher concentrations in spring and fall and lower concentrations in summer and winter months. Concentrations at most stations are generally lowest in winter months. At station UT100C2 the fall peak is much higher than the spring peak; the opposite is the case for the furthest two downstream locations (UT100B and UT100A).

Copper. Copper exhibited a maximum median concentration at UT100D, which is the nearest downstream main stem sampling location to the general deposit area. Median concentrations generally declined at further downstream main stem sampling locations (Figure 9.1-102). The lowest median concentration was at station UT100E, the furthest upstream location, which is north of the general deposit location. Therefore, this location is expected to have lower copper levels because it is outside of the mineralized zone.

Copper concentrations are generally consistently low across months and locations, with one notable exception. Station UT100C2 had a concentration 4 to 5 times greater in February than in other months.

Station UT146A, located in the general deposit area, had a consistently higher copper concentration year-round than any other sampling location in the Upper Talarik Creek (Figure 9.1-122).

Zinc. Zinc showed no clear trend with distance downstream, but median concentrations were slightly lower at stations below station UT100C2 (Figure 9.1-103).

Zinc median concentrations across months and locations are somewhat variable but exhibit a few patterns. Zinc concentrations generally exhibit peaks in winter and summer but are not typically a function of distance from the general deposit area. Higher concentrations occur in February and July for several locations, and lower concentrations for most stations occur in November and December (Figure 9.1-123). February and July median concentrations are exceptionally high at multiple locations in each month. For February, higher median concentrations are present at stations UT100B and UT100C2, while in July, higher median concentrations were apparent at stations UT100D, UT135A, and UT141A. The latter locations are near or in the deposit area, while station UT100C2 is the next downstream location from the confluence of the creek and the tributary where station UT141A is located.

Lead. Lead showed no clear trend with distance downstream (Figure 9.1-104). Median lead concentrations were near or below the MRL at most locations.

Lead concentrations are highly variable across stations and months, with many stations having no detectable concentration much of the time. (Figure 9.1-124). Lead concentrations were typically consistently low; those locations with detectable median concentrations generally had modest peaks in winter, particularly at station UT119B, which is a tributary located approximately 5 miles south of the general deposit area. Station UT138A dominates the overall median in October. The months of February and June have the most stations with detectable lead concentrations.

Given the various locations and variation in detectable lead concentrations, sources of lead appear to be localized throughout the Upper Talarik Creek and not specifically related to the general deposit area.

Cadmium. Two of the three locations with detected cadmium concentrations had medians below MRLs. Therefore, the apparent trend of declining concentrations with distance downstream (Figure 9.1-105) is likely artificial due to lack of confidence in estimating concentrations around the MRL.

Cadmium was only sporadically detected, and the temporal line graphs in Appendix F are incomplete as a result. As shown in the stacked bar graph, cadmium concentrations are detectable at the most stations between January and May (Figure 9.1-125). Station UT100E, located just north of the deposit area, provides the highest median concentration of cadmium in June, and station UT138A, located east of the general deposit area, exhibits the highest concentration in February. This latter concentration was the highest median across all months and locations for cadmium. The stacked bar graph indicates it is likely cadmium concentrations appear to be, at least in part, influenced by the deposit area (Figure 9.1-125).

Arsenic. Arsenic showed a significant trend from upstream to downstream. Arsenic increased in concentration from below MRLs upstream to consistently higher medians above the MRLs downstream of station UT100D (Figure 9.1-106).

Arsenic median concentrations were generally below MRLs in all months at upstream sampling locations. Further downstream, detectable median concentrations are more often observed, with lowest concentrations in summer and winter. The stacked bar graph in Figure 9.1-126 indicates arsenic concentrations above MRLs are primarily associated with stations UT135A, UT119A, UT100C, UT100B, and UT100A. Across all months, the highest concentrations of arsenic were consistently found at two locations, UT135A and UT119A. These tributaries are approximately 5 miles east and 10 miles south of the general deposit area, respectively, so the higher concentrations of arsenic at these locations do not appear to be associated with the general deposit area.

Nickel. Nickel exhibited a maximum median concentration at station UT100D (Figure 9.1-107). The median concentration rapidly declined at station UT100C2 and remained fairly consistent further downstream.

Nickel median concentrations are consistently low across months and locations, with the exception of station UT146A, a tributary located within the deposit area (Figure 9.1-127). This location had the highest median nickel concentration in each month. This location showed a bimodal pattern with high concentrations in winter and summer and lower concentrations in spring and fall (Appendix F). Overall, medians are generally lower in spring than in other seasons. Nickel concentrations appear to be influenced by the general deposit area in Upper Talarik Creek water samples.

Molybdenum. Molybdenum showed a clear and significant trend from upstream to downstream. Molybdenum median concentrations increase from upstream to downstream (Figure 9.1-108).

The stacked bar graph in Figure 9.1-128 indicates relatively consistent concentrations are present at most locations and months for molybdenum. Molybdenum concentrations demonstrate a similar bimodal pattern to that described for zinc, with higher concentrations tending to occur in winter and summer months. Molybdenum generally has lower medians in April and May when streamflow is highest.

Cyanides

Total Cyanide. The total cyanide median concentrations were below MRLs at all locations, indicating the majority of data points reflect estimated concentrations. As a result, no meaningful interpretations could be drawn from the data, and no streamflow graph was prepared.

Total cyanide median concentrations were mostly below MRLs. Concentrations tended to be highest, and often exceeded MRLs, in summer, when multiple locations exhibited the highest median concentrations. This is particularly true at tributary stations UT135A and UT141A, located near the deposit area. A few detectable medians are apparent in the stacked bar graph for total cyanide (Figure 9.1-129). The highest concentrations of total cyanide occur in June for tributary location UT135A in the general deposit area and in August at tributary location UT141A, just east of the deposit area. Sources other than the deposit area appear to contribute to the naturally occurring concentrations of total cyanide detected in the Upper Talarik Creek drainage. One possibility is generation by cyanogenic bacteria (a genus of which is known to occur in the Lake Clark area), or cyanogenic plants, which would conform to an initial growing season in June and extend through August. Given the variety of locations where total cyanide was detected, it appears localized sources are present within the drainage

WAD Cyanide. The WAD cyanide median concentrations were below MRLs at all locations, indicating the majority of data points reflect estimated concentrations. As a result, no meaningful interpretations could be drawn from the data and no streamflow graph was prepared.

WAD cyanide exhibits a similar pattern to that of total cyanide, with location UT141A in August having the highest median concentration of this constituent within a given month and location. Station UT135A in June has the second highest median value (Figure 9.1-130). This is consistent with results obtained for total cyanide. June and August also represent the two months with the most stations exhibiting detectable WAD cyanide.

9.1.8.4. Results and Discussion: Kaskanak Creek

This section presents the findings of the surface water quality study at one location in Kaskanak Creek. Kaskanak Creek was included in this study to confirm it has no hydrological connection to the deposit drainage area. Surface water samples and measurement of physical and chemical parameters were obtained from the creek to assess the background concentrations and temporal variability of field and physical parameters, major ions, nutrients, trace elements, and cyanides. The analysis was conducted using data acquired during the 5-year period from 2004 to 2008.

The Kaskanak Creek study area encompasses a single sampling location (KC100A), approximately 20 miles southwest of the deposit area (Figure 9.1-3), 6 miles south of the North Fork Koktuli River, and 16 miles west of Upper Talarik Creek. Since objectives differed between Kaskanak Creek and rivers in the other three drainages, the number of sampling locations also differed. There was only one sampling location in Kaskanak Creek, compared to 7to 18 locations in the other three river drainages. As a result, statistics, particularly range and CVs, are not directly comparable between Kaskanak Creek and the other three drainages.

As shown in Table 9.1-8, 41 surface water samples were collected and analyzed from one sampling location in Kaskanak Creek between 2004 and 2008. The number of data points differs among constituents because some data were rejected during data validation, as discussed in Section 9.1.6, Data Reduction. Others were analyzed only in some seasons (e.g., phosphorus, total orthophosphate), resulting in fewer data points as well.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, cyanides, and organic compounds.

Field and Physical Parameters

Eight field and physical parameters were measured in Kaskanak Creek surface water samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-8. Data for other analyzed parameters in this group can be found in Appendix 9.1B. The overall CV for this group of 0.81 is consistent with that of the other evaluated rivers.

Total Dissolved Solids. TDS is low relative to rivers in more-developed areas, with a mean concentration of 44.3 mg/L, which is similar to that of the South Fork Koktuli River and between the North Fork Koktuli River and Upper Talarik Creeks in concentration. The CV for TDS was 0.31.

pH (Field). The mean pH in Kaskanak Creek water samples was 6.67. The CV for pH was 0.08. A pH median of 6.61 indicates the water is slightly acidic, and more acidic than the other three river systems.

Dissolved Oxygen. DO was detected at a mean concentration of 10.3 mg/L, which is essentially the same as the other river systems. The CV for DO was 0.21.

Water Temperature. The mean water temperature was 4.19^{o}C. The CV for water temperature was 0.96. Water temperature is cold, with a median temperature of 3.14^{o}C. This is a higher median than the other three river systems.

Specific Conductivity (Field). The FOD for specific conductivity was 98 percent. The mean concentration for specific conductivity was 47.4 uS/cm, which is the same as the North Fork Koktuli River mean, but below the means of the South Fork Koktuli River and Upper Talarik Creek samples. The CV for specific conductivity was 0.24.

Turbidity. Turbidity is higher in Kaskanak Creek than in the other three rivers, as indicated by the mean concentration of 2.55 NTU. The CV for turbidity was 1.38.

Total Suspended Solids. TSS was detected in all samples at a mean concentration of 5.01 mg/L. The TSS mean concentration is more than twice the mean concentrations in the other three evaluated rivers. The CV for TSS was 1.45.

Oxidation Reduction Potential. ORP was detected in all samples at a mean concentration of 93 mV, with a range of -162 to 282 mV. This mean is slightly lower than those from the other three rivers. The CV for ORP was 1.08.

Major Ions

Kaskanak Creek surface water data for nine parameters (calcium, magnesium, sodium, and potassium, [total and dissolved], as well as alkalinity, sulfate, chloride, fluoride, and hardness [filtered and not filtered]) are discussed in this section and summarized in Table 9.1-8. Data for the other analyzed parameters in this group (e.g., total acidity and ion balance) can be found in Appendix 9.1B.

All major ions, except alkalinity (98 percent FOD) and fluoride (73 percent FOD), were detected in all samples. Calcium and sodium were detected at the highest mean concentrations of the individual ions in this group of constituents, while fluoride had a mean concentration one to two orders of magnitude lower than the other major ions (Table 9.1-8).

The overall CV for major ions was 0.25, which is lower than the CV for major ions in the three other river systems.

Calcium (Total). Total calcium was detected in all samples at a mean concentration of 5.28 mg/L, which is the most abundant major ion in Kaskanak Creek samples. The CV for total calcium was 0.21.

Calcium (Dissolved). Dissolved calcium was detected at a mean concentration of 5.25 mg/L. The CV for dissolved calcium was 0.23.

Magnesium (Total). Total magnesium was detected in all samples at a mean concentration of 1.36 mg/L, which makes it the third most abundant major ion in Kaskanak Creek samples. The CV for total magnesium was 0.20.

Magnesium (Dissolved). Dissolved magnesium was detected in all samples at a mean concentration of 1.35 mg/L. The CV for dissolved magnesium was 0.22.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.58 mg/L, making it the second most abundant major ion in surface water samples from Kaskanak Creek. The CV for total sodium was 0.18.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.58 mg/L. The CV for dissolved sodium was 0.18. Total and dissolved sodium had almost identical concentrations.

Potassium (Total). Total potassium was detected in all samples at a mean concentration of 0.48 mg/L. The CV for total potassium was 0.24.

Potassium (Dissolved). Dissolved potassium was detected in all samples at a mean concentration of 0.48 mg/L. The CV for dissolved potassium was 0.21.

Alkalinity, Total. The FOD for total alkalinity was 98 percent. Total alkalinity was detected at a mean concentration of 22.3 mg/L, which is lower than the mean concentration in the North Fork Koktuli River. The CV for total alkalinity was 0.28.

Sulfate. Sulfate was detected in all samples at a mean concentration of 1.53 mg/L, which is lower than the mean in the other three river systems. The CV for sulfate was 0.28.

Chloride. Chloride was detected in all samples at a mean concentration of 0.99 mg/L, which is higher than in the other three river systems. The CV for chloride was 0.17.

Fluoride. The FOD for fluoride was 73 percent. Fluoride was detected at a mean concentration of 0.04 mg/L, which is below the MRLs but above the MDLs. The CV for fluoride was 0.49.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected in all samples at a mean concentration of 18.8 mg/L. The CV for hardness as $CaCO_3$ (not filtered) was 0.21. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria and is a bit softer than the water from the other three rivers.

Hardness as $CaCO_3$ (Filtered). Hardness as $CaCO_3$ (filtered) was detected in all samples at a mean concentration of 17.1 mg/L. The CV for hardness as $CaCO_3$ (filtered) was 0.34. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-8. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1B.

Nutrients were not detected in all samples. Total nitrate+nitrite (as N) was detected in 87 percent of surface water samples, phosphorus was detected in 85 percent of samples, and nitrogen, total ammonia (as N) was detected in only 24 percent of samples. Total orthophosphate [as P] was not detected in any of the water samples from Kaskanak Creek.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.62 (total phosphorus) to 1.58 (total nitrate+nitrite). The CV for all nutrients was 0.98.

Nitrogen, Total Ammonia (as N). The FOD for total ammonia (as N) was 24 percent. Nitrogen, total ammonia (as N) was detected at a mean concentration of 0.036 mg/L, which is below the MRLs but above the MDLs. The CV for nitrogen, total ammonia (as N) was 0.74.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 87 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.24 mg/L. The CV for total nitrate+nitrite (as N) was 1.58, representing one of the higher CVs of constituents for river water in this system.

Phosphorus. The FOD for phosphorus was 85 percent. Phosphorus was detected at a mean concentration of 0.041 mg/L, which is within the range of MDLs. The mean is, in part, a function of detection limits and estimated values. The CV for phosphorus was 0.62.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any Kaskanak Creek samples.

Total Trace Elements

Data for total aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-8 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1B.

Total barium, iron, arsenic, and manganese were detected in all samples, with three other trace elements (aluminum, copper, and molybdenum) present in 98 percent of samples. Total cadmium was detected in only four samples (FOD of 10 percent). Total iron was detected at much higher concentrations than other trace elements, with a mean concentration of 0.63 mg/L. All other total trace elements had mean concentrations that were one to four orders of magnitude lower, ranging from 0.091 mg/L for aluminum to 0.000014 mg/L for cadmium.

The overall CV for total trace elements in Kaskanak Creek surface water samples was 0.99. The overall CV was lower than in the other river systems, likely due in part to the presence of only a single sample location in Kaskanak Creek.

Aluminum. The FOD for total aluminum was 98 percent. Aluminum was detected at a mean concentration of 0.091 mg/L, which is the second most abundant trace element in Kaskanak Creek. The CV for total aluminum was 2.05, indicating relatively high variability across sampling dates.

Barium. Total barium was present in all samples at a mean concentration of 0.0021 mg/L. The CV for total barium was 0.73.

Iron. Total iron was present in all samples at a mean concentration of 0.63 mg/L and was the most abundant trace element in Kaskanak Creek river water samples. The CV for total iron was 0.94.

Copper. The FOD for total copper was 98 percent. Copper was detected at a mean concentration of 0.00029 mg/L, which is just above MRLs. The CV for total copper was 0.66, which is lower than for river samples in the other river systems.

Zinc. The FOD for total zinc was 68 percent. Zinc was detected at a mean concentration of 0.002 mg/L. The CV for total zinc was 1.1.

Lead. The FOD for total lead was 37 percent. Lead was detected at a mean concentration of 0.00016 mg/L, which is within the range of MRLs. The CV for total lead was 2.23, which indicates relatively high variability for this constituent in this system.

Cadmium. The FOD for total cadmium was 10 percent. Cadmium was detected at a mean concentration of 0.000014 mg/L, which is below MRLs and within the range of MDLs. Therefore, the mean concentration is largely a function of detection limits and estimated values. The CV for total cadmium was 1.0.

Arsenic. Total arsenic was present in all samples at a mean concentration of 0.0018 mg/L. The CV for total arsenic was 0.55.

Nickel. The FOD for total nickel was 63 percent. Nickel was detected at a mean concentration of 0.00022 mg/L. The CV for total nickel was 0.58.

Molybdenum. The FOD for total molybdenum was 98 percent. Molybdenum was detected at a mean concentration of 0.00036 mg/L. The CV for total molybdenum was 0.3, indicating low variability in concentrations in this creek.

Manganese. Total manganese was present in all samples at a mean concentration of 0.017 mg/L, making it the third most abundant trace element for river water samples in this system. The CV for total manganese was 0.69.

Dissolved Trace Elements

Data for dissolved aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-8 and discussed below. Other dissolved trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, selenium, silicon, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1B.

Dissolved barium, iron, and manganese were detected in all samples, with four other trace elements (aluminum, copper, arsenic, and molybdenum) present in at least 90 percent of samples. Dissolved cadmium was detected in the fewest samples, with only one detected concentration (2 percent FOD). Dissolved iron was detected at the highest concentration, with a mean concentration of 0.25 mg/L. All other dissolved trace elements had mean concentrations that were one to four orders of magnitude lower, ranging from 0.022 mg/L for aluminum to 0.000011 mg/L for cadmium.

The overall CV for dissolved trace element concentrations in Kaskanak Creek surface water samples was 0.51. This overall CV was lower than in the other river systems, likely due in part to the presence of only a single sample location in Kaskanak Creek.

Aluminum. The FOD for dissolved aluminum was 90 percent. Aluminum was detected at a mean concentration of 0.022 mg/L, which is within the range of MRLs for this trace element. Aluminum is the second most abundant dissolved trace element for river water samples in the system. The dissolved mean is about 4 times lower than the total mean for aluminum. The CV for dissolved aluminum was 0.8.

Barium. Dissolved barium was detected in all samples at a mean concentration of 0.0017 mg/L. The CV for dissolved barium was 0.18, which indicates low variability for this constituent.

Iron. Dissolved iron was detected in all samples at a mean concentration of 0.25 mg/L. Iron was the most abundant dissolved trace element in Kaskanak Creek water samples. The CV for dissolved iron was 0.42.

Copper. The FOD for dissolved copper was 96 percent. Copper was detected at a mean concentration of 0.00027 mg/L. The CV for dissolved copper was 0.35.

Zinc. The FOD for dissolved zinc was 71 percent. Zinc was detected at a mean concentration of 0.0022 mg/L. The CV for dissolved zinc was 1.13.

Lead. The FOD for dissolved lead was 31 percent. Lead was detected at a mean concentration of 0.000068 mg/L. The CV for dissolved lead was 0.87, which is less than half the CV of total lead.

Cadmium. Dissolved cadmium was detected in only one sample (2 percent FOD). Cadmium was detected at a mean concentration of 0.000011 mg/L, which is a function of detection limits. The CV for dissolved cadmium was 0.54.

Arsenic. The FOD for dissolved arsenic was 98 percent. Arsenic was detected at a mean concentration of 0.0011 mg/L. The CV for dissolved arsenic was 0.3.

Nickel. The FOD for dissolved nickel was 88 percent. Nickel was detected at a mean concentration of 0.00029 mg/L. The CV for dissolved nickel was 0.39.

Molybdenum. The FOD for dissolved molybdenum was 97 percent. Molybdenum was detected at a mean concentration of 0.00036 mg/L. The CV for dissolved molybdenum was 0.33.

Manganese. Dissolved manganese was detected in all samples and had a mean concentration of 0.012 mg/L, making it the third most abundant dissolved metal for river water samples in the system. The CV for dissolved manganese was 0.26, indicating low variability of concentrations over time.

Cyanides

Total Cyanide. The FOD for total cyanide was 15 percent. Total cyanide was detected at a mean concentration of 0.0028 mg/L, which is below the MRL and above MDLs. Therefore, the mean concentration primarily reflects detection limits and estimated values. The CV for total cyanide was 3.26, which indicates high variability in this constituent concentration.

WAD Cyanide. WAD cyanide was detected in only two samples (5 percent FOD). WAD cyanide was detected at a mean concentration of 0.0024 mg/L, which is below the MRL and within MDLs. Therefore, the mean concentration reflects detection limits and estimated values. The CV for WAD cyanide was 3.38, which indicates high variability in this constituent concentration.

Organic Compounds

Dissolved organic carbon was the only organic compound analyzed in Kaskanak Creek samples.

Dissolved Organic Carbon. As shown in Table 9.1-8, dissolved organic carbon was detected in all samples at a mean concentration of 2.0 mg/L. The CV was 0.40, with concentrations ranging from 0.89 to 3.25 mg/L.

Comparison with Water Quality Criteria

Trace element concentrations were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

A summary of the comparison is presented in Table 9.1-19. Concentrations of most constituents were within water quality criteria. Concentrations were outside the most stringent criteria in at least one sample for the following constituents:

- pH was outside the criteria range in 15 out of 41 samples.
- Dissolved oxygen was below the minimum criteria in 1 of 29 samples.
- Alkalinity was below the minimum criteria in 9 of 43 samples.
- WAD cyanide was above the maximum criteria in 1 of 41 samples.

Because only one sample location is present at Kaskanak Creek, these concentrations above or below criteria ranges represent natural variability.

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates. Concentrations were above the most stringent maximum criteria in at least one sample for the following trace elements:

- Aluminum (total: 7 of 41 samples).
- Cadmium (total: 1 of 41 samples).
- Iron (total: 2 of 41 samples).
- Lead (total: 4 of 41 samples; dissolved: 1 of 32 samples).

These represent between 3 percent and 18 percent of all samples for these trace elements. As for the constituents summarized above, these concentrations above the most stringent maximum criteria represent natural variability over time at the single sample location.

Temporal Trend Analysis

Surface water data from the single Kaskanak Creek sample location were grouped by month to evaluate potential seasonal trends in total analyte concentrations. Temporal line graphs (Figures 9.1-131 through 9.1-151) show median concentrations from January to December. Each of these groups of constituents is further discussed below.

Field and Physical Parameters

Total Dissolved Solids. TDS was variable across all months, with no identifiable pattern (Figure 9.1-131).

pH (Field). Median pH levels were consistent across all months; August and December had slightly higher pH values than other months (Figure 9.1-132).

Total Suspended Solids. TSS demonstrated high temporal variability. TSS exhibited the highest median concentration in April and May, with lowest median concentration in January (Figure 9.1-133). Concentrations generally decline throughout the summer until another increase in November. The higher spring concentrations are consistent with effects seen in the other river systems associated with snowmelt.

Major Ions

Sodium. Sodium concentrations were generally consistent across all months, except in the spring (April and May) when median concentrations are about 1/3 lower than in other months (Figure 9.1-134).

Potassium. Potassium concentrations increase slightly from January to their highest median in April (Figure 9.1-135). The lowest concentrations are observed in late spring and October, when snowmelt and rainfall events occur.

Alkalinity, Total. Alkalinity fluctuated seasonally, with lower median concentrations in the spring and (to a lesser extent) fall, relative to other months (Figure 9.1-136).

Sulfate. Sulfate concentrations demonstrate high variability across all months. Median concentrations are generally highest in winter, with additional peaks in June and fall (Figure 9.1-137).

Chloride. Chloride median concentrations are generally consistent across all months, although slightly lower in July (Figure 9.1-138).

Fluoride. Fluoride median concentrations were below MRLs in all months, so no figure was prepared.

Hardness as $CaCO_3$ (Not Filtered). Hardness concentrations were lowest in spring when snowmelt occurs and were relatively consistent the rest of the year (Figure 9.1-139).

Nutrients

Total Nitrate+Nitrite (as N). Total nitrate+nitrite (as N) had median concentrations above MRLs in January, May, and August (Figure 9.1-140). The median concentration in May was 3 times greater than in any other month.

Phosphorus. Phosphorus median concentrations were relatively consistent across months. With the exception of a peak in January that was substantially greater than any other month (Figure 9.1-141).

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected, so no figure was prepared.

Trace Elements

As shown in Figures 9.1-142 through 9.1-149, some trace elements had median concentrations below MRLs in at least one month. Of those trace elements with median concentrations above MRLs in all months, different patterns were observed for different trace elements, as discussed below.

Iron. Iron concentrations were highest in April but were also relatively high in mid through late summer. Lowest concentrations occurred in winter months (Figure 9.1-142).

Copper. Copper concentrations were variable but were highest in April, which was almost double the next highest concentration observed in February (Figure 9.1-143). Apparently, higher concentrations of copper in Kaskanak Creek are often strongly associated with increased erosion due to snowmelt but not particularly associated with fall rains.

Zinc. Median concentrations of zinc were higher in February and July relative to other months (Figure 9.1-144). These are among the lowest flow months for Kaskanak Creek and may represent concentrations of this relatively water soluble trace element during low flow.

Lead. Lead concentrations were at or below MRLs in most months. The highest median concentrations are evident in February and March (Figure 9.1-145).

Cadmium. Cadmium median concentrations were above MRLs only in March (Figure 9.1-146).

Arsenic. Arsenic median concentrations increased from January to April, declined in May, and then increased again through August before declining through the fall (Figure 9.1-147).

Nickel. Nickel concentrations were above MRLs in most months, but were lowest in winter (December and January) and highest in February (Figure 9.1-148). Concentrations declined slowly through the summer months.

Molybdenum. Molybdenum concentrations were variable, but overall lower concentrations were detected in April and May (Figure 9.1-149).

Cyanides

Total Cyanide. Total cyanide median concentrations were below MRLs in all months except August (Figure 9.1-150).

WAD Cyanide. WAD cyanide median concentrations were below MRLs in all months except August (Figure 9.1-151). As discussed earlier, this is consistent with the hypothesis that cyanide is produced by cyanogenic bacteria or plants during the short growing season in the region.

9.1.8.5. Comparison Across River Systems

Distributions and central tendencies of constituent concentrations were evaluated for significant differences among the North Fork Koktuli River, South Fork Koktuli River, Upper Talarik Creek, and

Kaskanak Creek river systems through the use of two nonparametric statistical tests. The same parameters included in the spatial and temporal evaluations were included in this analysis.

First, the Kruskal-Wallis (KW) test, a non-parametric version of the analysis of variance (ANOVA) test, was performed to identify chemical concentration differences among the four drainages. This test converts the concentrations across all river systems to numerical ranks, which are ordered by concentration regardless of river system. The resulting ranks from each system are then statistically compared for differences among the mean of the ranks. For this test, a significance level (i.e., probability value or p-value) of 0.1 was used as a cutoff to identify the parameters to be included in the pair-wise comparisons. A significant result for this test indicates at least one of the datasets is different from the others. This value was used rather than the more typical 0.05 p-value to ensure constituents with borderline pair-wise differences were not excluded from the second step of the evaluation.

For parameters with p-values of 0.1 or less resulting from the KW test, the Mann-Whitney U-Test, a non-parametric alternative to the *t*-test, was performed to identify pair-wise differences between each combination of waterbodies. This test is conducted similarly to the KW test, but compares only two datasets instead of multiple datasets. The standard p-value of 0.05 was used to identify constituents with significant differences in concentrations.

Results of these analyses are discussed below, first for the overall comparisons and then for the pair-wise comparisons. Specific locations were not compared across rivers; the focus of this evaluation was to compare concentrations across river systems rather than specific sampling stations. All of the drainages except for Kaskanak Creek are reasonably represented along their length, so this represents a valid comparison, particularly among the three primary drainages within the mine study area.

The KW test results are provided in Table 9.1-20, including the mean ranks for each river system and the relative sample count. These results indicate concentrations of most constituents significantly differ across drainages. Four of the evaluated field and physical parameters (TDS, pH, alkalinity, and TSS) were significantly different across river systems. Five major ions, including sodium, sulfate, chloride, fluoride, and hardness (as $CaCO_3$), and one nutrient (total nitrate+nitrite [as N]), also differed significantly across river systems. Of the trace elements evaluated, only two (cadmium and lead) had p-values greater than 0.1 based on this comparison (0.72 and 0.69, respectively). All others were significantly different across river systems. These differences were anticipated given the differences in surficial and subsurface geology among drainages. Each of these significant differences was further compared in the Mann-Whitney U-Test, as described below.

The parameters identified above as significantly different, based on the KW test results, were included in the pair-wise Mann-Whitney U-Test. Significant differences between at least two pairs were identified for all parameters included in the pair-wise tests (Table 9.1-21). TSS, sulfate, alkalinity, arsenic, and molybdenum concentrations were significantly different between all six pairs of drainages. Copper and potassium concentrations differed significantly between all pairs except for the North Fork Koktuli River and Upper Talarik Creek drainages, while iron and chloride concentrations differed significantly between all pairs except the South Fork Koktuli River and Upper Talarik Creek. Sodium concentrations differed significantly between all river systems except Upper Talarik Creek and Kaskanak Creek. Nickel and hardness concentrations were each significantly different between four pairs of river drainages, pH differed significantly between three pairs, and zinc differed significantly between two pairs of river drainages. Detailed results of the pair-wise analysis are provided in Table 9.1-21. Box and whisker plots

for individual constituents comparing concentrations in the different river systems are provided in Appendix 9.1G.

These findings are primarily explained by the proximity of South Fork Koktuli River and Upper Talarik Creek sampling locations to the deposit area. The relative ranks (i.e., highest to lowest concentrations) for each waterbody differed by analyte. Sulfate, copper, zinc, nickel, and molybdenum concentrations were greatest in the South Fork Koktuli River, consistent with the headwaters of this river passing through the deposit area and multiple sample locations present in this area. TDS, pH, sodium, alkalinity, hardness, nitrogen (total nitrate+nitrite [as N]), and nickel concentrations were greatest in the Upper Talarik Creek drainage. Significantly higher concentrations of copper, molybdenum, nickel, zinc, and sulfate were also present in the South Fork Koktuli River than in the North Fork Koktuli River, consistent with its proximity to the deposit area.

These results indicate that, while concentrations of parameters most closely associated with the general deposit area are higher in the South Fork Koktuli River, the Upper Talarik Creek drainage receives substantial input of dissolved concentrations, primarily of sodium and nitrogen-nitrate (as N), leading to higher overall concentrations in the Upper Talarik Creek relative to the other evaluated river systems.

TSS, potassium, chloride, iron, and arsenic concentrations were highest in Kaskanak Creek, while cadmium and lead concentrations were highest in the North Fork Koktuli River drainage. This most likely indicates these parameters are unrelated to the general deposit area and represent different signatures than the other drainage areas. These differences are also apparent through evaluation of the piper plots for rivers provided in Appendix 9.1H.

Based on this evaluation, it is clear that each of the major river systems has significantly different constituent background concentrations, and many constituents vary in concentration both seasonally and across locations.

9.1.9. Seeps

This section presents the findings of the water quality study of seeps located in the mine study area. Water samples and measurement of physical and chemical parameters were obtained from seeps to assess spatial and temporal variability in the mine study area. The analysis was conducted using data acquired during the 5-year period from 2004 to 2008. Six hundred forty eight samples were analyzed for NOCs over the 5-year period in the North Fork Koktuli, South Fork Koktuli, and Upper Talarik drainages (Table 9.1-22). No seeps were evaluated in the Kaskanak Creek drainage.

9.1.9.1. Results and Discussion: North Fork Koktuli Seeps

This section presents the findings of the water quality study of seeps in the North Fork Koktuli River drainage. As shown in Table 9.1-23, 104 seep water samples were inventoried between 2004 and 2008 from the North Fork Koktuli River drainage. The number of data points differs slightly among constituents because some data were rejected during data validation, as discussed in Section 9.0.

Field and Physical Parameters

Eight field and physical parameters were measured in North Fork Koktuli River drainage seep samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP.

Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-23. The overall CV for this group of 0.87 is similar to that of North Fork Koktuli River water samples (0.81).

Total Dissolved Solids. The FOD for TDS was 95 percent. TDS was detected at a mean concentration of 34.6 mg/L. The CV for TDS was 0.68.

pH (Field). The mean concentration for pH was 6.27. The CV for pH was 0.092. A pH median of 6.31 indicates the seep water is slightly acidic, and slightly more acidic than median pH values in all evaluated rivers in this study.

Dissolved Oxygen. DO was detected at a mean concentration of 8.97 mg/L, which is lower than DO in all evaluated rivers in this study. The CV for DO was 0.23.

Water Temperature. The mean water temperature was 3.38^{o}C. The CV for water temperature was 0.54. Water temperature is cold, but slightly warmer than the other evaluated rivers and creeks in this study, with a median temperature of 2.87^{o}C.

Specific Conductivity (Field). The mean specific conductivity was 42.9 uS/cm. The CV for specific conductivity was 0.73.

Turbidity. The mean concentration for turbidity was 0.32 NTU. The CV for turbidity was 1.79. Turbidity is lower in seeps than in evaluated rivers in this study, as indicated by the lower mean concentration. However, turbidity variability is high relative to other parameters in this group.

Total Suspended Solids. The FOD for TSS was 29 percent, which is lower than that for evaluated rivers in this study. TSS was detected at a mean concentration of 2.3 mg/L. The CV for TSS was 1.02.

Oxidation Reduction Potential. ORP was detected in all samples at a mean concentration of 172 mV, with a range of -65 to 286 mV. The CV for ORP was 0.41.

Major Ions

North Fork Koktuli seep data for nine parameters (calcium, magnesium, sodium, and potassium [total and dissolved], as well as alkalinity, sulfate, chloride, fluoride, and hardness [filtered and not filtered]) are discussed in this section and summarized in Table 9.1-23. Data for the other analyzed parameters in this group (e.g., total acidity and ion balance) can be found in Appendix 9.1I.

Calcium (total and dissolved), sodium (total and dissolved) and hardness as $CaCO_3$ (filtered) were detected in all samples. Chloride was detected in all but one sample (99.8 percent). Calcium, sulfate, and sodium (total and dissolved) were the individual ions detected at the highest mean concentrations. The overall CV for this group of 0.80 is twice the overall CV calculated for North Fork Koktuli River water samples (0.39), but is similar to seeps in other drainages (0.70 and 0.87 for Upper Talarik and South Fork Koktuli River, respectively).

Piper plots summarizing the major ionic distribution in the North Fork Koktuli drainage are provided in Appendix 9.1J. Box and whisker plots for each major ion are provided in Appendix 9.1K. These plots

indicate less variability than trace elements but slightly higher variability than major ions in the evaluated rivers in this study.

Calcium (Total). Total calcium was detected in all samples at a mean concentration of 5.12 mg/L. The CV for total calcium was 0.79.

Calcium (Dissolved). Dissolved calcium was detected in all samples at a mean concentration of 5.52 mg/L. The CV for dissolved calcium was 0.72.

Magnesium (Total). The FOD for total magnesium was 95 percent. Magnesium was detected at a mean concentration of 1.11 mg/L. The CV for total magnesium was 1.30.

Magnesium (Dissolved). The FOD for dissolved magnesium was 97 percent. Magnesium was detected at a mean concentration of 1.26 mg/L. The CV for dissolved magnesium was 1.17.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.21 mg/L, making it the third most abundant major ion in North Fork Koktuli seeps. The CV for total sodium was 0.44.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.34 mg/L. The CV for dissolved sodium was 0.41.

Potassium (Total). The FOD for total potassium was 61 percent. Potassium was detected at a mean concentration of 0.43 mg/L. The CV for total potassium was 0.94.

Potassium (Dissolved). The FOD for dissolved potassium was 63 percent. Potassium was detected at a mean concentration of 0.46 mg/L. The CV for dissolved potassium was 0.86.

Alkalinity, Total. The FOD for total alkalinity was 93 percent. Total alkalinity was detected at a mean concentration of 19.2 mg/L. The CV for total alkalinity was 0.93.

Sulfate. The FOD for sulfate was 97 percent. Sulfate was detected at a mean concentration of 3.0 mg/L, making it the second most abundant major ion in North Fork Koktuli seeps. The CV for sulfate was 0.96.

Chloride. The FOD for chloride was 99.8 percent. Chloride was detected at a mean concentration of 0.84 mg/L. The CV for chloride was 0.84.

Fluoride. The FOD for fluoride was 37 percent. Fluoride was detected at a mean concentration of 0.048 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for fluoride was 0.33.

Hardness as CaCO3 (Filtered). Hardness as $CaCO_3$ (filtered) was detected in two samples at a mean concentration of 6.09 mg/L. The CV for hardness as $CaCO_3$ (filtered) was 0.63.

Hardness as CaCO3 (Not Filtered). The FOD for hardness as $CaCO_3$ (not filtered) was 97 percent. Hardness as $CaCO_3$ (not filtered) was detected at a mean concentration of 17.8 mg/L, or about 3 times greater than filtered hardness. The CV for hardness as $CaCO_3$ (not filtered) was 0.87. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-23. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1I.

Nutrients were not detected in all samples. Total nitrate+nitrite (as N) was detected in 98 percent of surface water samples, phosphorus was detected in 65 percent of samples, and nitrogen, total ammonia (as N) was detected in only 17 percent of samples. Total orthophosphate [as P] was not detected in any of the water samples from North Fork Koktuli drainage seeps.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.89 (total phosphorus) to 2.17 (total ammonia as N). The CV for all nutrients was 1.52, which is higher than the CV for nutrients in the evaluated rivers, and also higher than the CVs in seep samples from the South Fork Koktuli drainage and Upper Talarik drainage.

Nitrogen, Total Ammonia (as N). The FOD for nitrogen, total ammonia (as N) was 21 percent. Nitrogen, total ammonia (as N) was detected at a mean concentration of 0.077 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for nitrogen, total ammonia (as N) was 2.17, reflecting relatively high variability in this constituent.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 89 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.17 mg/L, which is within the range of MRLs, indicating the mean concentration is partially a function of estimated values and detection limits. The CV for total nitrate+nitrite (as N) was 1.50.

Phosphorus. The FOD for phosphorus was 75 percent. Phosphorus was detected at a mean concentration of 0.020, which is within the range of MRLs and MDLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for phosphorus was 0.89.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any seep sample from the North Fork Koktuli River drainage.

Total Trace Elements

North Fork Koktuli seep data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-23 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1I.

Trace elements were not detected in all seep samples from the North Fork Koktuli River drainage. Aluminum and barium were both detected in over 90 percent of samples, and cadmium was detected in only 10 percent of samples. Iron and aluminum were detected at the highest mean concentrations across the trace elements. Other trace metal mean concentrations were one to three orders of magnitude lower.

The overall CV for this group of 1.27 is less than the CV of 1.55 calculated for North Fork Koktuli River water samples, but much lower than the CV for seeps in other drainages (2.96 and 3.06 for South Fork Koktuli River and Upper Talarik Creek samples, respectively).

Aluminum. The FOD for total aluminum was 95 percent. Aluminum was detected at a mean concentration of 0.025 mg/L, making it the second most abundant total trace element in North Fork Koktuli seeps. The CV for total aluminum was 1.72, which is the third highest variability in this group.

Barium. The FOD for total barium was 91 percent. Barium was detected at a mean concentration of 0.0028 mg/L. The CV for total barium was 1.08.

Iron. The FOD for total iron was 62 percent. Iron was detected at a mean concentration of 0.052 mg/L, which represents the most abundant total trace element in North Fork Koktuli seeps. The CV for total iron was 2.44, which is the second highest variability across total trace elements in North Fork Koktuli seeps.

Copper. The FOD for total copper was 45 percent. Copper was detected at a mean concentration of 0.00037 mg/L. The CV for total copper was 1.14.

Zinc. The FOD for total zinc was 27 percent. Zinc was detected at a mean concentration of 0.0012 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for total zinc was 0.86.

Lead. The FOD for total lead was 19 percent. Lead was detected at a mean concentration of 0.000062 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total lead was 1.14.

Cadmium. The FOD for total cadmium was 10 percent. Cadmium was detected at a mean concentration of 0.000033 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total cadmium was 0.60.

Arsenic. The FOD for total arsenic was 19 percent. Arsenic was detected at a mean concentration of 0.00026 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total arsenic was 0.61.

Nickel. The FOD for total nickel was 33 percent. Nickel was detected at a mean concentration of 0.00026 mg/L, which is within the range of MRLs and MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total nickel was 0.48, which is the lowest variability across total trace elements in North Fork Koktuli seeps.

Molybdenum. The FOD for total molybdenum was 46 percent. Molybdenum was detected at a mean concentration of 0.00032 mg/L, which is within the range of MDLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for total molybdenum was 1.03.

Manganese. The FOD for total manganese was 64 percent. Manganese was detected at a mean concentration of 0.0014 mg/L. The CV for total manganese was 2.88, which represents the highest variability across total trace elements in North Fork Koktuli seeps.

Dissolved Trace Elements

North Fork Koktuli seep data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-23 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1I.

None of the trace elements were present above detection limits in all seep samples. Barium was detected in 95 percent of all samples. The FOD of the remaining dissolved trace elements in seep water samples ranged from 74 percent (aluminum) to 8 percent (cadmium). The mean concentrations of the dissolved trace elements were slightly above or considerably below 0.001 mg/L.

The overall CV for this group of 1.12 is less than the CV of 1.82 calculated for North Fork Koktuli River water samples, and much lower than the CV for seeps in other drainages (3.09 and 3.27 for South Fork Koktuli River and Upper Talarik Creek samples, respectively).

Aluminum. The FOD for dissolved aluminum was 74 percent. Aluminum was detected at a mean concentration of 0.0099 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for dissolved aluminum was 1.03.

Barium. The FOD for dissolved barium was 95 percent. Barium was detected at a mean concentration of 0.0041 mg/L, which is the third most abundant dissolved trace element in North Fork Koktuli seeps. The CV for dissolved barium was 0.90.

Iron. The FOD for dissolved iron was 52 percent. Iron was detected at a mean concentration of 0.021 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. Iron was detected at the highest mean concentration across dissolved trace elements. The CV for dissolved iron was 1.75, reflecting relatively high variability for this dissolved element.

Copper. The FOD for dissolved copper was 42 percent. Copper was detected at a mean concentration of 0.00031 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for dissolved copper was 0.52, the lowest variability across dissolved trace elements in North Fork Koktuli seeps.

Zinc. The FOD for dissolved zinc was 40 percent. Zinc was detected at a mean concentration of 0.0023 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for dissolved zinc was 0.74.

Lead. The FOD for dissolved lead was 23 percent. Lead was detected at a mean concentration of 0.000059 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for dissolved lead was 0.92.

Cadmium. The FOD for dissolved cadmium was 8 percent, the lowest across trace elements for North Fork Koktuli seeps. Cadmium was detected at a mean concentration of 0.000033 mg/L, which is below MRLs and within the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for dissolved cadmium was 0.61.

Arsenic. The FOD for dissolved arsenic was 14 percent. Arsenic was detected at a mean concentration of 0.00025 mg/L, which is within the range of MRLs and MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for dissolved arsenic was 0.68.

Nickel. The FOD for dissolved nickel was 43 percent. Nickel was detected at a mean concentration of 0.00039 mg/L, which is within the range of MRLs and MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for dissolved nickel was 0.83.

Molybdenum. The FOD for dissolved molybdenum was 48 percent. Molybdenum was detected at a mean concentration of 0.00033 mg/L, which is within the range of MRLs and MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for dissolved molybdenum was 1.03.

Manganese. The FOD for dissolved manganese was 56 percent. Manganese was detected at a mean concentration of 0.0011 mg/L. The CV for dissolved manganese was 3.32, which is the highest variability expressed in dissolved trace element concentrations for North Fork Koktuli seeps.

Cyanides

Total Cyanide. The FOD for total cyanide was 8 percent. Total cyanide was detected at a mean concentration of 0.0025 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total cyanide was 1.21.

WAD Cyanide. The FOD for WAD cyanide was 14 percent. WAD cyanide was detected at a mean concentration of 0.0023 mg/L, or slightly lower than that for total cyanide. The mean concentration is below MRLs and within the range of MDLs. The mean is primarily a function of detection limits and estimated values. The CV for WAD cyanide was 1.31.

Comparison with Water Quality Criteria

North Fork Koktuli seep field and physical parameters, ions, trace elements, and cyanide concentrations were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

A summary of the comparison is presented in Table 9.1-24. Concentrations of most constituents met water quality criteria. Concentrations were outside most stringent criteria in at least one sample for the following constituents:

- pH was outside the most stringent criteria range in 68 of 104 samples.
- DO was below the most stringent minimum criteria in 16 of 104 samples.
- Alkalinity was below the most stringent minimum criteria in 67 of 104 samples.
- WAD cyanide was above the most stringent maximum criteria in 4 of 103 samples.

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness

values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates. Concentrations were above the most stringent maximum water quality criteria in at least one sample for the following trace elements:

- Aluminum (total: 6 in 104 samples).
- Cadmium (total: 21 of 104 samples; dissolved: 21 of 104 samples).
- Copper (total: 5 of 104 samples; dissolved: 3 of 88 samples).
- Iron (total: 1 of 104 samples).
- Lead (total: 11 of 104 samples; dissolved: 8 of 95).

These are the same constituents that also demonstrated naturally occurring concentrations above the most stringent maximum criteria in North Fork Koktuli River samples.

Spatial and Temporal Trend Analysis

Stacked bar graphs were prepared for each of the three drainages to show median analyte concentrations by seep location for each month. These graphs were prepared to identify the relative concentrations of specific constituents in each drainage; however, because not all seeps were sampled at the same time, this information cannot be gleaned from the graphs. The results of stacked bar graphs analysis for the subset of seeps evaluated in each drainage are presented below. Only constituents generally detected above MRLs were included in the following discussion.

Overall, very low concentrations of many constituents were present in seeps sampled in March and April from this drainage, and only from station SP57. Seep sampling station SP57 is located within an upwelling area in the floodplain of the North Fork Koktuli River; therefore, the concentrations in this seep may be influenced by surface water as well as groundwater. Concentrations increase for all chemicals and locations beginning in May, but different patterns are evident for different chemicals, as discussed below. Stacked bar graphs for the North Fork Koktuli River Drainage seeps are presented on Figures 9.1-152 through 9.1-168 and discussed by constituent below.

Field and Physical Parameters

Total Dissolved Solids. TDS is primarily detected in North Fork Koktuli seeps in late summer and fall and is well distributed across different seeps during that time period (Figure 9.1-152).

Total Suspended Solids. North Fork Koktuli seeps had detectable concentrations at different locations during different months. Of the seeps sampled, the highest concentrations of TSS occurred primarily in either August, October, or November. TSS was detected in the highest concentrations at stations SP99, SP113 and SP53. The latter two of these seeps are located in the general deposit area (Figure 9.1-153).

Major Ions

Sodium. Sodium shows a trend of increasing number of seeps showing detectable concentrations of sodium between May and October, with no single seep dominating input (Figure 9.1-154).

Potassium. Potassium has primary and steady concentrations at seep station SP57 in all months in which samples were collected, and additional contribution from other seeps in the summer and fall (Figure 9.1-155).

Alkalinity. Alkalinity shows a trend of increasing number of seeps with detectable alkalinity concentrations between May and November, with the highest concentration exhibited at station SP99 in November (Figure 9.1-156).

Sulfate. Sulfate follows a similar trend to that of sodium and alkalinity but generally has the highest concentrations at station SP53, except in the fall when stations SP44 and SP113 have similar contributions (Figure 9.1-157).

Chloride. Chloride shows a trend similar to sodium of increasing number of seeps exhibiting detectable concentrations between May and October, with no single seep exhibiting notably higher concentrations than the others (Figure 9.1-158).

Fluoride. Fluoride follows the trend of increasing number of seeps with detectable concentrations between spring and fall, and has detectable concentrations at station SP113 only in September (Figure 9.1-159).

Hardness as $CaCO_3$ (Unfiltered). Hardness is generally consistent across months where samples were collected at a given location but an increase in the number of seeps with detectable hardness occurs in late summer and fall months (Figure 9.1-160).

Nutrients

Total Nitrate+Nitrite (as N). Total nitrate+nitrite (as N) shows increasing number of seeps with detectable concentrations between June and November (Figure 9.1-161). Station SP100 has the highest median concentration in five of the seven months in which samples were collected, but the highest median concentration was at station SP53 in September.

Phosphorus. Phosphorus shows increasing number of seeps with detectable concentrations between June and November (Figure 9.1-162). The summer months had highest median concentrations at location SP44. In other months, primary contributions are from locations SP31 and SP53.

Trace Elemnts

Iron. Iron had contributions from stations SP99 and SP44 in summer and fall, providing the highest median concentrations in North Fork Koktuli seeps (Figure 9.1-163).

Copper. Copper had increasing numbers of seeps with detectable concentrations of copper in late summer, the highest concentrations were generally at station SP53, with exceptions of spikes at station SP100 in September and station SP99 in November (Figure 9.1-164).

Zinc. Zinc had detectable concentrations at the most North Fork Koktuli seeps in August, with the highest concentration at station SP31 in that month (Figure 9.1-165). Zinc was detectable most frequently at station SP53. Otherwise no trends were apparent for zinc.

Lead. Lead was seldom detected at more than one seep during a month with the exception of August and October. The highest concentrations occurred repeatedly at station SP53 (Figure 9.1-166).

Nickel. Nickel has detectable concentrations from seep station SP53 in all months in which samples were collected except March. Station SP57 shows generally increasing concentrations between June and November (Figure 9.1-167).

Molybdenum. Molybdenum is detectable at the greatest number of North Fork Koktuli seeps in the summer and fall, with the highest concentrations at seep SP99 in late summer and fall (Figure 9.1-168).

9.1.9.2. Results and Discussion: South Fork Koktuli Seeps

This section presents the findings of the water quality study of seeps in the South Fork Koktuli River drainage. As shown in Table 9.1-25, 206 seep water samples were collected and analyzed between 2004 and 2008 from the South Fork Koktuli River drainage. The number of data points differs slightly among constituents because some data were rejected during data validation, as discussed in Section 9.1.6, Data Reduction. Other constituents (e.g., phosphorus, total orthophosphate [as P]) were only analyzed in certain years and, as a result, have lower sample counts.

The following subsections discuss the South Fork Koktuli seeps summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, cyanides, and organic compounds.

Field and Physical Parameters

Eight field and physical parameters were measured in the South Fork Koktuli River drainage seep samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-25. The overall CV across all field and physical parameters was 1.00, which is higher than the CVs for seep samples from the North Fork Koktuli and Upper Talarik drainages.

Total Dissolved Solids. The FOD for TDS was 99 percent. TDS was detected at a mean concentration of 46.7 mg/L. The CV for TDS was 0.72.

pH (Field). The mean pH value was 6.02 and the CV was 0.16. A pH median of 6.22 indicates the seep water is slightly acidic and slightly lower than median pH values in rivers.

Dissolved Oxygen. DO was detected at a mean concentration of 9.40 mg/L. The CV for DO was 0.22, reflecting low variability in this constituent in South Fork Koktuli seeps.

Water Temperature. The mean water temperature was 3.44^{o}C. The CV for water temperature was 0.57. Water temperature is cold but slightly warmer than the evaluated rivers and creeks in this study, with a median temperature of 3.08^{o}C.

Specific Conductivity (Field). The mean specific conductivity was 63.7 uS/cm, which is about 50 percent higher than the mean in North Fork Koktuli seep samples, but lower than the mean in Upper Talarik seep samples. The CV for specific conductivity was 0.93.

Turbidity. The mean concentration for turbidity was 0.41 NTU. The CV for turbidity was 2.25. Turbidity is lower in seeps than in evaluated rivers, is slightly higher than in North Fork Koktuli seep samples, and is similar to the mean in Upper Talarik seep samples.

Total Suspended Solids. The FOD for TSS was 44 percent. TSS was detected at a mean concentration of 3.53 mg/L, which is about 50 percent higher than the mean in North Fork Koktuli seep samples and about 20 percent higher than the mean in Upper Talarik seep samples. The CV for TSS was 2.36, which is the highest variability across this group of constituents.

Oxidation Reduction Potential. ORP was detected in all samples at a mean concentration of 195 mV, with a range of -132 to 546 mV. The CV for ORP was 0.56.

Major Ions

South Fork Koktuli seep sample data for nine parameters (calcium, magnesium, sodium, and potassium [total and dissolved], as well as alkalinity, sulfate, chloride, fluoride, and hardness [filtered and not filtered]) are discussed in this section and summarized in Table 9.1-25. Data for the other analyzed parameters in this group (e.g., total acidity and ion balance) can be found in Appendix 9.1I.

Sodium (total and dissolved), chloride, and hardness as $CaCO_3$ (filtered) were detected in all samples. Calcium, magnesium, and sulfate were all detected in more than 95 percent of samples. Fluoride (48 percent FOD) was detected at the lowest frequency of major ions in South Fork Koktuli seep samples.

Sulfate (15.0 mg/L) had the highest concentration of individual major ions in South Fork Koktuli seep samples. Calcium, sodium, and magnesium also had mean concentrations above 1.0 mg/L.

Piper plots summarizing the major ionic distribution in the South Fork Koktuli drainage are provided in Appendix 9.1J. Box and whisker plots for each major ion are provided in Appendix 9.1K. These plots indicate higher variability than major ions in rivers. The overall CV across all major ions was 0.87, which is double the CV of major ions in Upper Talarik Creek water samples, but only slightly higher than the CVs for seep samples from the North Fork Koktuli and Upper Talarik drainages.

Calcium (Total). The FOD for total calcium was 99 percent. Calcium was detected at a mean concentration of 6.1 mg/L and represented the second most abundant major ion in South Fork Koktuli seep samples. The CV for total calcium was 0.67.

Calcium (Dissolved). The FOD for dissolved calcium was 99 percent. Calcium was detected at a mean concentration of 6.48 mg/L. The CV for dissolved calcium was 0.62.

Magnesium (Total). The FOD for total magnesium was 96 percent. Magnesium was detected at a mean concentration of 1.23 mg/L. The CV for total magnesium was 0.93.

Magnesium (Dissolved). The FOD for dissolved magnesium was 98 percent. Magnesium was detected at a mean concentration of 1.33 mg/L. The CV for dissolved magnesium was 0.86.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 1.94 mg/L, which is the third most abundant major ion in South Fork Koktuli seep samples. The CV for total sodium was 0.41.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.02 mg/L. The CV for dissolved sodium was 0.40.

Potassium (Total). The FOD for total potassium was 66 percent. Potassium was detected at a mean concentration of 0.53 mg/L. The CV for total potassium was 1.10.

Potassium (Dissolved). The FOD for dissolved potassium was 65 percent. Potassium was detected at a mean concentration of 0.54 mg/L. The CV for dissolved potassium was 1.11.

Alkalinity, Total. The FOD for total alkalinity was 80 percent. Total alkalinity was detected at a mean concentration of 12.3 mg/L, which is 50 percent lower than in North Fork Koktuli seep samples. The CV for total alkalinity was 0.88.

Sulfate. The FOD for sulfate was 97 percent. Sulfate was detected at a mean concentration of 15 mg/L, which is the highest concentration of the major ions in South Fork Koktuli seep samples. The mean concentration is 5 times that of North Fork Koktuli seeps and twice that of Upper Talarik seeps, likely due to the proximity of the South Fork Koktuli seeps to the general deposit area. The CV for sulfate was 1.82, which is the highest variability observed in seeps for major ions among the three drainages. This is expected because seeps in this drainage include both mineralized and non-mineralized locations.

Chloride. Chloride was detected in all samples at a mean concentration of 0.9 mg/L. The CV for chloride was 0.70.

Fluoride. The FOD for fluoride was 48 percent. Fluoride was detected at a mean concentration of 0.077 mg/L, which is below MRLs and in the range of MDLs. The mean is largely a function of detection limits and estimated values. The CV for fluoride was 1.10.

Hardness as $CaCO_3$ (Filtered). Hardness as $CaCO_3$ (filtered) was detected in all eight samples at a mean concentration of 22.4 mg/L, which is about 3.5 times higher than the mean in North Fork Koktuli drainage seep samples but slightly lower than the mean in Upper Talarik seep samples. The CV for hardness as $CaCO_3$ (filtered) was 0.91. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Hardness as $CaCO_3$ (Not Filtered). The FOD for hardness as $CaCO_3$ (not filtered) was 96 percent. Hardness as $CaCO_3$ (not filtered) was detected at a mean concentration of 20.8 mg/L, which is similar to that measured in North Fork Koktuli drainage seeps but about 2/3 the mean for Upper Talarik seep samples. The CV for hardness as $CaCO_3$ (not filtered) was 0.67, indicating variability was lower in non-filtered samples. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-25. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1I.

Nutrients were not detected in all samples. Total nitrate+nitrite (as N) was detected in 89 percent of surface water samples, phosphorus was detected in 63 percent of samples, and nitrogen, total ammonia (as N) was detected in only 21 percent of samples. Total orthophosphate [as P] was detected in only one of the water samples from South Fork Koktuli drainage seeps.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.89 (total phosphorus) to 2.17 (total ammonia as N). The CV for all nutrients was 1.41, which is higher than the CV for nutrients in the evaluated rivers, but similar to the CV for seep samples in the Upper Talarik drainage.

Nitrogen, Total Ammonia (as N). The FOD for nitrogen, total ammonia (as N) was 21 percent. Nitrogen, total ammonia (as N) was detected at a mean concentration of 0.056 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total ammonia (as N) was 1.29.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 89 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.26 mg/L, which is within the range of MRLs and MDLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for total nitrate+nitrite (as N) was 2.04, which indicates relatively high variability for this constituent.

Phosphorus. The FOD for phosphorus was 63 percent. Phosphorus was detected at a mean concentration of 0.023, which is within the range of MRLs and MDLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for phosphorus was 1.59.

Total Orthophosphate (as P). Total orthophosphate (as P) was detected in one seep sample from the South Fork Koktuli River drainage (4 percent FOD). Total orthophosphate (as P) was detected at a mean concentration of 0.036 mg/L, which is below MRLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total orthophosphate (as P) was 0.73.

Total Trace Elements

South Fork Koktuli seep data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-25 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1I.

None of the total trace elements were detected in all samples. Total trace elements with the highest FOD were barium and aluminum, at 95 percent and 92 percent, respectively. The FOD of the remaining total trace metals in seep water samples for the South Fork Koktuli drainage ranged from 69 percent (manganese) to 27 percent (cadmium).

Aluminum is present at highest mean concentrations in South Fork Koktuli seep samples (0.50 mg/L). Iron and copper are also at mean concentrations above 0.1 mg/L. Other total trace elements were one to three orders of magnitude lower, and cadmium was detected at the lowest concentration (0.000061 mg/L).

The overall CV for total trace elements of 2.96 is high, indicating substantial variability across seeps in the South Fork Koktuli River drainage is likely reflective of the influence from the mineralized soils in the general deposit area.

Aluminum. The FOD for total aluminum was 92 percent. Aluminum was detected at a mean concentration of 0.5 mg/L, making it the most abundant total trace element in South Fork Koktuli seeps. The CV for total aluminum was 3.55.

Barium. The FOD for total barium was 95 percent. Barium was detected at a mean concentration of 0.0048 mg/L. The CV for total barium was 1.29, which is low relative to other total trace elements in South Fork Koktuli seep samples.

Iron. The FOD for total iron was 62 percent. Iron was detected at a mean concentration of 0.2 mg/L, making it the second most abundant total trace element in South Fork Koktuli seeps. The CV for total iron was 4.13. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Copper. The FOD for total copper was 64 percent. Copper was detected at a mean concentration of 0.12 mg/L, which is the third most abundant of the total trace elements. The CV for total copper was 4.74. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Zinc. The FOD for total zinc was 50 percent. Zinc was detected at a mean concentration of 0.0087 mg/L, which is within the range of MRLs. This indicates the mean concentration is, in part, a function of detection limits and estimated values. The CV for total zinc was 2.11.

Lead. The FOD for total lead was 29 percent. Lead was detected at a mean concentration of 0.00012 mg/L, which is within the range of MRLs. This indicates the mean concentration is, in part, a function of detection limits and estimated values. The CV for total lead was 2.71.

Cadmium. The FOD for total cadmium was 27 percent. Cadmium was detected at a mean concentration of 0.000061 mg/L, which is within the range of MRLs and MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for total cadmium was 1.66.

Arsenic. The FOD for total arsenic was 30 percent. Arsenic was detected at a mean concentration of 0.00093 mg/L, which is within the range of MRLs. This indicates the mean concentration is, in part, a function of detection limits and estimated values. The CV for total arsenic was 1.92.

Nickel. The FOD for total nickel was 49 percent. Nickel was detected at a mean concentration of 0.0016 mg/L. The CV for total nickel was 2.71.

Molybdenum. The FOD for total molybdenum was 48 percent. Molybdenum was detected at a mean concentration of 0.00088 mg/L, which is within the range of MRLs. This indicates the mean concentration is, in part, a function of detection limits and estimated values. The CV for total molybdenum was 2.20.

Manganese. The FOD for total manganese was 69 percent. Manganese was detected at a mean concentration of 0.038 mg/L. The CV for total manganese was 5.52, which is the highest variability of the total trace elements in South Fork Koktuli seeps.

Dissolved Trace Elements

South Fork Koktuli seep data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-25 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1I.

In general, the mean concentrations of dissolved trace elements were slightly lower than total trace elements for South Fork Koktuli seep data. Aluminum and copper had mean concentrations above 0.1 mg/L. The mean concentrations of the remaining dissolved trace elements ranged from 0.000058 (cadmium) to 0.031 (manganese). The FOD of the dissolved trace elements in South Fork Koktuli seep water samples varied from 24 percent (cadmium) to 75 percent (aluminum). The overall CV for dissolved metals in South Fork Koktuli drainage seep samples of 3.09 is more than double the CV for dissolved metals in South Fork Koktuli River water samples, triple the CV for dissolved metals in North Fork Koktuli drainage seep samples, but similar to the Upper Talarik seep sample CV.

Box and whisker plots for each dissolved trace element are provided in Appendix 9.1K. These plots indicate a wide spread of data with multiple outlier values for each dissolved trace element. These data are highly variable because they encompass three drainage areas, multiple seasons, and different geological regimes. Many of the dissolved trace elements with high variability are those associated with the deposit area (e.g., copper, iron).

Aluminum. The FOD for dissolved aluminum was 75 percent. Aluminum was detected at a mean concentration of 0.41 mg/L, which is the most abundant across the dissolved trace elements. The CV for dissolved aluminum was 3.94.

Barium. The FOD for dissolved barium was 99 percent. Barium was detected at a mean concentration of 0.0062 mg/L. The CV for dissolved barium was 1.11.

Iron. The FOD for dissolved iron was 49 percent. Iron was detected at a mean concentration of 0.096 mg/L. The CV for dissolved iron was 6.65, which is the highest variability of the dissolved trace elements in South Fork Koktuli seeps. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Copper. The FOD for dissolved copper was 65 percent. Copper was detected at a mean concentration of 0.13 mg/L. The CV for dissolved copper was 4.47. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Zinc. The FOD for dissolved zinc was 49 percent. Zinc was detected at a mean concentration of 0.0096 mg/L. The CV for dissolved zinc was 1.92.

Lead. The FOD for dissolved lead was 28 percent. Lead was detected at a mean concentration of 0.000077 mg/L, which is within the range of MRLs and MDLs. The mean concentration is primarily a function of detection limits and estimated values. The CV for dissolved lead was 1.66.

Cadmium. The FOD for dissolved cadmium was 24 percent. Cadmium was detected at a mean concentration of 0.000058 mg/L, which is within the range of MDLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for dissolved cadmium was 1.65.

Arsenic. The FOD for dissolved arsenic was 25 percent. Arsenic was detected at a mean concentration of 0.0008 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for dissolved arsenic was 1.89.

Nickel. The FOD for dissolved nickel was 51 percent. Nickel was detected at a mean concentration of 0.0018 mg/L. The CV for dissolved nickel was 2.47.

Molybdenum. The FOD for dissolved molybdenum was 50 percent. Molybdenum was detected at a mean concentration of 0.00087 mg/L, which is within the range of MRLs. This indicates the mean concentration is, in part, a function of detection limits and estimated values. The CV for total molybdenum was 2.19.

Manganese. The FOD for dissolved manganese was 59 percent. Manganese was detected at a mean concentration of 0.031 mg/L. The CV for dissolved manganese was 6.08. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Cyanides

Total Cyanide. The FOD for total cyanide was 10 percent. Total cyanide was detected at a mean concentration of 0.0033 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for total cyanide was 1.87.

WAD Cyanide. The FOD for WAD cyanide was 11 percent. WAD cyanide was detected at a mean concentration of 0.0025 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for WAD cyanide was 1.31.

Comparison with Water Quality Criteria

South Fork Koktuli seep field and physical parameters, ions, trace elements, and cyanide concentrations were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

A summary of the comparison for South Fork Koktuli seeps is presented in Table 9.1-26. Concentrations of most constituents met most stringent water quality criteria. Concentrations were outside of the most stringent criteria in at least one sample for the following constituents:

- pH was outside the criteria range in 141 of 202 samples.
- DO was below the most stringent minimum criteria in 24 of 201 samples.
- Alkalinity was below the most stringent minimum criteria in 169 of 206 samples.
- WAD cyanide was above the most stringent maximum criteria in 10 of 206 samples.

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates. Seven metals had concentrations above the most stringent maximum criteria in at least one sample:

- Aluminum (total: 49 of 206 samples; dissolved: 27 of 204 samples).

- Cadmium (total: 66 of 202 samples; dissolved: 67 of 206 samples).
- Copper (total: 42 of 206 samples; dissolved: 38 of 182 samples).
- Iron (total: 8 of 206 samples; dissolved: 2 of 203 samples).
- Lead (total: 25 of 206 samples; dissolved: 14 of 182 samples).
- Manganese (dissolved: 89 of 601 samples).
- Nickel (total: 3 of 206 samples; dissolved: 3 of 178 samples).
- Zinc (total: 8 of 206 samples; dissolved: 10 of 179 samples).

With the addition of dissolved manganese, these are the same constituents that also demonstrated naturally occurring concentrations above the most stringent maximum criteria in South Fork Koktuli River samples. The relative frequencies of concentrations above criteria are similar in both stream and seep water samples.

Spatial and Temporal Trend Analysis

Stacked bar graphs were prepared showing median analyte concentrations by seep location for each month for each of the three drainages. These graphs were prepared to identify the relative concentrations of specific constituents in each drainage; however, because not all seeps were sampled at the same time, this information cannot be gleaned from the graphs. The results of the stacked bar graph analysis for the subset of seeps evaluated in each drainage are presented below. Only constituents generally detected above MRLs were included in the following discussion.

Stacked bar graphs for the South Fork Koktuli River drainage seeps are provided in Figures 9.1-169 through 9.1-185. Unlike in the North Fork Koktuli River drainage, only one constituent (molybdenum) had little to no input from seeps in April and May. For other constituents, one pattern was apparent for several trace elements, which were sourced primarily from two locations, SP26 and SP41. This was most apparent for copper (Figure 9.1-181), and to a lesser extent, nickel (Figure 9.1-184). Both SP26 and SP41 are within the general deposit area at lower elevation than the ore deposit, therefore, concentrations of these metals at these sampling locations likely represent groundwater associated with the ore deposit.

Further details are discussed below for constituents generally detected above MRLs at most locations.

Field and Physical Parameters

Total Dissolved Solids. TDS is detected at the most seep locations in the South Fork Koktuli drainage in late summer and early fall, and is well distributed across different seeps (Figure 9.1-169). Except in November, the highest concentrations are routinely at SP26.

Total Suspended Solids. TS**S concentrations are variable in both concentration and location throughout the year. The highest medians are from SP26 in September and SP104 in October, and the lowest occur in June** (Figure 9.1-170).

Major Ins

Sodium. Sodium shows relatively consistent concentrations at most seeps across months. The most seeps have detectable median concentrations in late summer and early fall (Figure 9.1-171).

Potassium. Potassium is dominated by stations SP26 and SP41 in all months for which data were collected except November. Small concentrations from other seep locations are detectable in late summer and early fall (Figure 9.1-172).

Alkalinity. Alkalinity is only above MRLs in August through October and is dominated by station SP96 during this time (Figure 9.1-173).

Sulfate. Sulfate concentrations are dominated by stations SP26 and SP41, and the most seeps have detectable median concentrations in late summer and early fall (Figure 9.1-174).

Chloride. Chloride shows relatively consistent concentrations at most seeps across months. More seeps have detectable median concentrations in late summer and early fall than at other times of the year (Figure 9.1-175).

Fluoride. Fluoride has contributions primarily from stations SP26 and SP41, with neither dominating. Other seeps have detectable median concentrations in August and September (Figure 9.1-176).

Hardness as $CaCO_3$ (Unfiltered). Hardness is generally consistent across months at a given location, but contribution from more seeps occurs in late summer and early fall (Figure 9.1-177).

Nutrients

Total Nitrate+Nitrite (as N). Total nitrate+nitrite (as N) shows contribution from multiple South Fork Koktuli seeps between August and October. Concentrations are dominated by station SP26 early in the year, and at station SP86 in summer and fall (Figure 9.1-178).

Phosphorus. Phosphorus shows the largest median concentration in August at station SP41 (Figure 9.1-179). Concentrations are variable at up to six seeps across months, with June and November having the lowest concentrations.

Trace Elements

Iron. Iron concentrations were dominated by station SP26, with highest concentrations in August and September (Figure 9.1-180). With the exception of station SP41, which exhibited its highest concentration in August, all other seeps had much lower concentrations across all months.

Copper. Copper had reported median concentrations only from stations SP26 and SP41. Concentrations were higher at station SP26 in all months except November; concentrations generally declined at station SP41 between August and November (Figure 9.1-181).

Zinc. Zinc had highest concentrations primarily from stations SP26 and SP41, with neither dominating the total except in November, where no contribution occurred at SP26 (Figure 9.1-182). Other seep locations had much lower concentrations across months.

Cadmium. Cadmium had detectable concentrations from two South Fork Koktuli seeps, station SP26 and SP41, between May and October (Figure 9.1-183). Of these two seeps, only station SP41 had a median concentration of cadmium detected in November, and station SP86 had low concentrations in August, September, and November.

Nickel. Nickel had contributions primarily from stations SP26 and SP41. Station SP26 dominated the median concentrations in all months except November (Figure 9.1-184). Other seeps had low median concentrations, when detected, relative to these two locations.

Molybdenum. Molybdenum had the highest concentrations in August and September. Station SP96 contributes in both months, and station SP41 dominates in August (Figure 9.1-185). Station SP101 was the only seep with detectable median concentrations in June and November, and was also the only seep with detected concentrations in all four of the reported months for this trace element.

9.1.9.3. Results and Discussion: Upper Talarik Seeps

This section presents the findings of the water quality study of seeps sampled in the Upper Talarik Creek drainage. As shown in Table 9.1-27, 338 seep water samples were collected and analyzed between 2004 and 2008 from the Upper Talarik Creek drainage. The number of data points differs slightly among constituents because some data were rejected during data validation, as discussed in Section 9.1.6, Data Reduction.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, cyanides, and organic compounds.

Field and Physical Parameters

Eight field and physical parameters were measured in Upper Talarik Creek drainage seep samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-27. The overall CV for field and physical parameters in Upper Talarik seep samples was 0.85, which is similar to the North Fork Koktuli seep sample CV and lower than the CV for South Fork Koktuli seep samples.

Total Dissolved Solids. TDS was detected in all samples at a mean concentration of 55.6 mg/L, which is higher than either North Fork Koktuli or South Fork Koktuli seep samples. The CV for TDS was 0.48.

pH (Field). The mean pH was 6.77. The CV for pH was 0.13. A pH median of 6.88 indicates the seep water is slightly acidic, similar to median pH values in rivers. The pH is slightly higher in Upper Talarik seeps than in North Fork Koktuli or South Fork Koktuli seeps.

Dissolved Oxygen. DO was detected in all samples at a mean concentration of 9.51 mg/L. The CV for DO was 0.16.

Water Temperature. The mean water temperature was 3.41^{o}C. The CV for water temperature was 0.40. Water temperature is cold, but slightly warmer than the evaluated rivers and creeks in this study, with a median temperature of 3.14^{o}C.

Specific Conductivity (Field). The mean specific conductivity was 79.2 uS/cm. The CV for specific conductivity was 0.62.

Turbidity. The mean concentration for turbidity was 0.34 NTU. The CV for turbidity was 1.86. Turbidity concentrations are similar across seeps in all three drainages.

Total Suspended Solids. The FOD for TSS was 53 percent. TSS was detected at a mean concentration of 3.02 mg/L. The CV for TSS was 1.97.

Oxidation Reduction Potential. ORP was detected at a mean concentration of 151 mV, ranging from -183 mV to 562 mV. The CV for ORP was 0.74.

Major Ions

Upper Talarik seep data for nine parameters (calcium, magnesium, sodium, and potassium [total and dissolved], as well as alkalinity, sulfate, chloride, fluoride, and hardness [filtered and not filtered]) are discussed in this section and summarized in Table 9.1-27. Data for the other analyzed parameters in this group (e.g., total acidity and ion balance) can be found in Appendix 9.1I.

Calcium, magnesium, and sodium (dissolved and total); chloride; and hardness (filtered and unfiltered) were detected in all samples. Sulfate was detected in 99 percent of samples. Fluoride was detected least often (54 percent FOD).

Dissolved calcium and sulfate were the most abundant individual ions in Upper Talarik seep samples, with mean concentrations of 9.75 and 8.19, respectively. Fluoride was detected at the lowest mean concentration (0.057 mg/L).

Variability is low across major ions except for sulfate, with a CV (2.44) at least 3 times higher than most other major ions. The overall CV for major ions of 0.70 is lower than the CVs in seep samples from the North Fork Koktuli and Upper Talarik drainages, but higher than the CV for major ions from the Upper Talarik Creek water samples.

Piper plots summarizing the major ionic distribution in the Upper Talarik drainage are provided in Appendix 9.1J. Box and whisker plots for each major ion are provided in Appendix 9.1K. These plots indicate higher variability than major ions in the three main rivers or Kaskanak Creek.

Calcium (Total). Total calcium was detected in all samples at a mean concentration of 9.68 mg/L and is the most abundant major ion in Upper Talarik seeps. The CV for total calcium was 0.45.

Calcium (Dissolved). Dissolved calcium was detected in all samples at a mean concentration of 9.75 mg/L. The CV for dissolved calcium was 0.44.

Magnesium (Total). Total magnesium was detected in all samples at a mean concentration of 1.94 mg/L. The CV for total magnesium was 0.88.

Magnesium (Dissolved). Dissolved magnesium was detected in all samples at a mean concentration of 1.97 mg/L. The CV for dissolved magnesium was 0.87.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.64 mg/L, making it the third most abundant ion in Upper Talarik seep samples. The CV for total sodium was 0.34.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.68 mg/L. The CV for dissolved sodium was 0.33.

Potassium (Total). The FOD for total potassium was 79 percent. Potassium was detected at a mean concentration of 0.55 mg/L. The CV for total potassium was 0.82.

Potassium (Dissolved). The FOD for dissolved potassium was 81 percent. Potassium was detected at a mean concentration of 0.49 mg/L. The CV for dissolved potassium was 0.89.

Alkalinity, Total. The FOD for total alkalinity was 94 percent. Total alkalinity was detected at a mean concentration of 30.3 mg/L. The CV for total alkalinity was 0.62.

Sulfate. The FOD for sulfate was 99 percent. Sulfate was detected at a mean concentration of 8.19 mg/L, which is second highest among major ions in Upper Talarik seeps. The CV for sulfate was 2.44.

Chloride. Chloride was detected in all samples at a mean concentration of 0.87 mg/L. The CV for chloride was 0.22.

Fluoride. The FOD for fluoride was 54 percent. Fluoride was detected at a mean concentration of 0.057 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for fluoride was 0.59.

Hardness as $CaCO_3$ (Filtered). Hardness as $CaCO_3$ (filtered) was detected in all samples at a mean concentration of 30.5 mg/L. The CV for hardness as $CaCO_3$ (filtered) was 0.33.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected in all samples at a mean concentration of 32.2 mg/L. The CV for hardness as $CaCO_3$ (not filtered) was 0.51. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria, but is harder than seeps in the North Fork Koktuli River and South Fork Koktuli River drainages.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-27. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1I.

Nutrients were not detected in all samples. Total nitrate+nitrite (as N) was detected in 88 percent of surface water samples, phosphorus was detected in 77 percent of samples, and nitrogen, total ammonia (as N) was detected in only 23 percent of samples. Total orthophosphate [as P] was not detected in any of the samples from Upper Talarik drainage seeps.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.97 (total phosphorus) to 1.57 (total ammonia as N). The CV for all nutrients was 1.31, which is higher than the CV for nutrients in the evaluated rivers, but similar to the CV for seep samples in the South Fork Koktuli drainage.

Nitrogen, Total Ammonia (as N). The FOD for nitrogen, total ammonia (as N) was 17 percent. Nitrogen, total ammonia (as N) was detected at a mean concentration of 0.042 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for total ammonia (as N) was 1.39.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 98 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.42 mg/L, which is higher than seeps in either the North Fork Koktuli River or South Fork Koktuli River drainages. The CV for total nitrate+nitrite (as N) was 1.47.

Phosphorus. The FOD for phosphorus was 65 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.018 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for phosphorus was 1.29.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any seep sample from the Upper Talarik Creek drainage.

Total Trace Elements

Upper Talarik seep data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-27 and discussed below. Other total trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other total trace elements are presented in Appendix 9.1I.

Total trace elements were not detected in all samples. The highest FOD for total trace elements was for barium and aluminum at 99 percent and 84 percent, respectively. The FOD for the remaining total trace metals in Upper Talarik seep water samples varied from 67 percent (manganese) to 16 percent (cadmium).

Aluminum and iron were present at the highest mean concentrations (0.19 and 0.11 mg/L, respectively). Cadmium was detected at the lowest mean concentration (0.000031 mg/L).

The overall CV for total trace elements of 3.90 is high, indicating substantial variability across seeps in the Upper Talarik Creek drainage, most likely reflective of the influence from the mineralized soils in the general deposit area.

Aluminum. The FOD for total aluminum was 84 percent. Aluminum was detected at a mean concentration of 0.19 mg/L, which is the most abundant total trace element in Upper Talarik seep samples. The CV for total aluminum was 4.39. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Barium. The FOD for total barium was 99 percent. Barium was detected at a mean concentration of 0.0049 mg/L. The CV for total barium was 1.10.

Iron. The FOD for total iron was 64 percent. Iron was detected at a mean concentration of 0.11 mg/L, which is the second most abundant total trace element in Upper Talarik seeps. The CV for total iron was 4.43. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Copper. The FOD for total copper was 59 percent. Copper was detected at a mean concentration of 0.007 mg/L. The CV for total copper was 12.1, which is the highest variability in seeps across all metals

and drainages. The very high variability reflects the influence of the general deposit area on some of the seep locations in the Upper Talarik Creek drainage.

Zinc. The FOD for total zinc was 49 percent. Zinc was detected at a mean concentration of 0.0026 mg/L. The CV for total zinc was 1.79.

Lead. The FOD for total lead was 30 percent. Lead was detected at a mean concentration of 0.00014 mg/L. The CV for total lead was 4.33. The high variability reflects the influence of the general deposit area on some of the seep locations in the Upper Talarik Creek drainage.

Cadmium. The FOD for total cadmium was 16 percent. Cadmium was detected at a mean concentration of 0.000031 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for total cadmium was 1.02.

Arsenic. The FOD for total arsenic was 61 percent. Arsenic was detected at a mean concentration of 0.0017 mg/L. The CV for total arsenic was 1.39.

Nickel. The FOD for total nickel was 65 percent. Nickel was detected at a mean concentration of 0.0013 mg/L. The CV for total nickel was 6.64. The high variability reflects the influence of the general deposit area on some of the seep locations in the Upper Talarik Creek drainage.

Molybdenum. The FOD for total molybdenum was 58 percent. Molybdenum was detected at a mean concentration of 0.00043 mg/L, which is within the range of MRLs and MDLs. The mean concentration is a function of detection limits and estimated values. The CV for total molybdenum was 1.20.

Manganese. The FOD for total manganese was 67 percent. Manganese was detected at a mean concentration of 0.006 mg/L, which is the third most abundant total trace element in Upper Talarik seeps. The CV for total manganese was 4.45. The high variability reflects the influence of the general deposit area on some of the seep locations in this drainage.

Dissolved Trace Elements

Upper Talarik seep data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-27 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1I.

Dissolved trace elements were not detected in all samples. Barium was detected in all but one of 284 samples (99.6 percent FOD). The FOD of the remaining dissolved trace elements in Upper Talarik seep water samples varied from 17 percent (cadmium) to 70 percent (aluminum).

Aluminum was detected at the highest mean concentration of dissolved trace elements (0.16 mg/L). All other dissolved trace elements, except iron, had mean concentrations greater than one order of magnitude lower. The lowest mean concentration was for cadmium (0.000030 mg/L).

The overall CV for dissolved trace elements of 3.27 is high, indicating substantial variability across seeps in the Upper Talarik Creek drainage, most likely reflective of the influence from the mineralized soils in the general deposit area.

Box and whisker plots for each dissolved trace metal are provided in Appendix 9.1K. These plots indicate a wide spread of data with multiple outlier values for each dissolved trace element. These data are highly variable because they encompass three drainage areas, multiple seasons, and different geological regimes. Many of the dissolved trace elements with high variability are those associated with the deposit area (e.g., copper, iron).

Aluminum. The FOD for dissolved aluminum was 70 percent. Aluminum was detected at a mean concentration of 0.16 mg/L, which is the most abundant dissolved trace element in the Upper Talarik seep samples. The CV for dissolved aluminum was 5.15. The high variability reflects the influence of the general deposit area on some of the seep locations in the Upper Talarik Creek drainage.

Barium. The FOD for dissolved barium was 99.6 percent. Barium was detected at a mean concentration of 0.0054 mg/L. The CV for dissolved barium was 1.07.

Iron. The FOD for dissolved iron was 49 percent. Iron was detected at a mean concentration of 0.063 mg/L, representing the second most abundant dissolved trace element in Upper Talarik seep samples. The CV for dissolved iron was 4.92. The high variability reflects the influence of the general deposit area on some of the seep locations in the Upper Talarik Creek drainage.

Copper. The FOD for dissolved copper was 62 percent. Copper was detected at a mean concentration of 0.008 mg/L. The CV for dissolved copper was 10.8. The very high variability reflects the influence of the general deposit area on some of the seep locations in the Upper Talarik Creek drainage.

Zinc. The FOD for dissolved zinc was 51 percent. Zinc was detected at a mean concentration of 0.0025 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for dissolved zinc was 1.78.

Lead. The FOD for dissolved lead was 33 percent. Lead was detected at a mean concentration of 0.000077 mg/L. The CV for dissolved lead was 1.14.

Cadmium. The FOD for dissolved cadmium was 17 percent. Cadmium was detected at a mean concentration of 0.000031 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for dissolved cadmium was 0.93.

Arsenic. The FOD for dissolved arsenic was 55 percent. Arsenic was detected at a mean concentration of 0.0016 mg/L. The CV for dissolved arsenic was 1.43.

Nickel. The FOD for dissolved nickel was 55 percent. Nickel was detected at a mean concentration of 0.001 mg/L, which is within the range of MRLs. The mean concentration is, in part, a function of detection limits and estimated values. The CV for dissolved nickel was 2.55.

Molybdenum. The FOD for dissolved molybdenum was 63 percent. Molybdenum was detected at a mean concentration of 0.00040 mg/L, which is within the range of MRLs and MDLs. The mean concentration is a function of detection limits and estimated values. The CV for dissolved molybdenum was 1.21.

Manganese. The FOD for dissolved manganese was 56 percent. Manganese was detected at a mean concentration of 0.0060 mg/L. The CV for dissolved manganese was 4.96. The high variability reflects the influence of the general deposit area on some of the seep locations in the Upper Talarik Creek drainage.

Cyanides

Total Cyanide. The FOD for total cyanide was 12 percent. Total cyanide was detected at a mean concentration of 0.0025 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for total cyanide was 1.69.

WAD Cyanide. The FOD for WAD cyanide was 13 percent. WAD cyanide was detected at a mean concentration of 0.0027 mg/L, which is below MRLs and in the range of MDLs. The mean concentration is a function of detection limits and estimated values. The CV for WAD cyanide was 1.78.

Comparison with Water Quality Criteria

Upper Talarik seep field and physical parameters, ions, trace elements, and cyanide concentrations were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

A summary of the comparison is presented in Table 9.1-28. Concentrations of most constituents met the most stringent quality criteria. Concentrations were outside the most stringent criteria in at least one sample for the following constituents:

- pH was outside the criteria range in 121 out of 335 samples.
- Alkalinity was below the most stringent minimum criteria in 86 out of 338 samples.
- DO was below the most stringent minimum criteria in 24 out of 323 samples.
- WAD cyanide was above the most stringent maximum criteria in 25 out 338 of samples.

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates. Concentrations were above the most stringent maximum criteria in at least one sample for the following trace elements:

- Aluminum (total: 43 of 338 samples).
- Iron (total: 10 of 338 samples).
- Copper (total: 18 of 338 samples; dissolved: 14 of 273 samples).
- Lead (total: 13 of 338 samples; dissolved: 4 of 282 samples).
- Cadmium (total: 10 of 338 samples; dissolved: 8 of 336 samples).
- Zinc (total: 2 of 338 samples; dissolved: 1 of 262 samples).

- Nickel (total: 3 of 333 samples; dissolved: 2 of 240 samples).

With some exceptions, these are the same constituents that also demonstrated naturally occurring concentrations above most stringent maximum criteria in Upper Talarik Creek samples. The relative frequencies of concentrations above the most stringent maximum criteria are a bit higher in seep samples than in stream water samples, particularly for the non-trace elements. The exceptions are that arsenic and manganese concentrations were not above the most stringent maximum criteria in any Upper Talarik seep samples, and nickel and zinc were not above the most stringent maximum criteria in any Upper Talarik Creek water samples.

Spatial and Temporal Trend Analysis

Stacked bar graphs were prepared showing median analyte concentrations by seep location for each month for each of the three drainages. These graphs were prepared to identify the relative concentrations of specific constituents in each drainage; however, because not all seeps were sampled at the same time, this information cannot be gleaned from the graphs. The results of the stacked bar graph analysis for the subset of seeps evaluated in each drainage are presented below. Only constituents generally detected above MRLs were included in the following discussion.

Stacked bar graphs for the Upper Talarik Creek drainage seeps are provided in Figures 9.1-186 through 9.1-202. General trends were less apparent for seep data in this drainage. Concentrations of constituents were generally low in March and were only detected in station SP40. Further details are discussed below for constituents generally detected above MRLs at most locations.

Field and Physical Parameters

Total Dissolved Solids. The **majority of Upper Talarik seeps had detectable median concentrations of** TDS in summer and fall, but only a few seeps had contributions in March and May (Figure 9.1-186). Concentrations are generally consistent across months for a given seep. Station SP66 generally had the highest median concentrations across months except in March, when only station SP40 had detected levels of TDS.

Total Suspended Solids. TSS concentrations are above MRLs for the most Upper Talarik seeps in summer, and the highest median concentration is in August at station SP73 (Figure 9.1-187).

Major Ions

Sodium. Sodium shows relatively consistent concentrations at most seeps across months. Relative to winter and spring, more seeps have detectable medians in summer and fall (Figure 9.1-188).

Potassium. Potassium shows relatively consistent concentrations at most seeps across months. Relative to winter and spring, more seeps have detectable medians in summer and fall (Figure 9.1-189). Higher median concentrations are apparent at several locations in October relative to other months.

Alkalinity. Alkalinity is consistent in concentrations and sources between June and November; few seeps contribute in winter and spring months. The highest median concentration in most months is station SP66 (Figure 9.1-190).

Sulfate. Sulfate concentrations are dominated by station SP62 in most months (Figure 9.1-191). Other locations are generally consistent in concentration across months.

Chloride. Chloride shows relatively consistent concentrations at most seeps across months. Fewer seeps have detectable median concentrations in winter and spring months (Figure 9.1-192).

Fluoride. Fluoride shows variable concentrations at most Upper Talarik seeps across months. Many of the medians are near the MRLs, but the highest median concentrations occurred in August at station SP73 and in October at station SP62 (Figure 9.1-193).

Hardness as $CaCO_3$ (Unfiltered). Hardness as $CaCO_3$ (unfiltered) is generally consistent across months at a given location, but more Upper Talarik seeps have detectable median concentrations in late summer and fall (Figure 9.1-194). The highest concentrations are consistently at station SP66 except in March, when only a single seep (station SP40) has a measurable median.

Nutrients

Total Nitrate+Nitrite (as N). Total nitrate+nitrite (as N) shows detectable median concentrations from multiple seeps between June and November, with consistent concentrations across months for any given seep (Figure 9.1-195).

Phosphorus. Phosphorus concentrations were variable, but additional seeps had detectable median concentrations later in the year relative to earlier months of the year (Figure 9.1-196). Concentrations were only reported at a single seep in March at a median concentration below the MRL.

Trace Elements

Iron. Iron concentrations were mostly consistent across months, with two exceptions. Station SP73, which is located due east of the general deposit area, had the highest mean concentration of any month and location in August, yet was much lower in September. Station SP75 had a much higher median concentration in September than in other months (Figure 9.1-197).

Copper. Copper median concentrations were sporadic and generally at low concentration. The highest median concentration was at station SP116 in August, which is located in the general deposit area (Figure 9.1-198). August also had the highest median concentration at station SP78, while September exhibited the highest median concentrations at stations SP66 and SP73.

Zinc. Zinc median concentrations were generally highest at SP62 across months. Concentrations were variable and detected concentrations were sporadic at other seeps (Figure 9.1-199).

Arsenic. For arsenic, the highest median concentrations consistently occurred at seeps SP84 and SP78, which are located well south and east of the ore body, respectively (Figure 9.1-200). The other consistently detected median seep station for arsenic, SP109, is also located in this general area. Concentrations are quite consistent over the sampling year, but each sampling month only had four to six seeps with detected median concentrations.

Nickel. Nickel concentrations were variable, but more locations contributed in summer and November than in other months. Station SP62 had the highest median concentrations in most months (Figure 9.1-201). Stations SP109 and SP66 had their highest median concentration in November as well.

Molybdenum. Median concentrations of molybdenum are highest from May through November at station SP73, with the exception of October when no contribution occurs (Figure 9.1-202). Seep station SP73 is located due east of the general deposit area.

9.1.9.4. Regional Evaluation of Seeps Data

The following subsections compare and contrast seeps data across different drainages. Additionally, spatial and temporal trend analyses were conducted for seeps in each watershed. The seeps evaluated from each drainage area were selected based on their unique characteristics and impact on overall surface water quality (e.g., high-flow seeps were preferentially selected over low-flow seeps), as discussed in Section 9.1.5. The seeps and their rationale for inclusion, based on the criteria developed by Water Management Consultants, are presented in Table 9.1-4. The evaluated parameters are the same as those evaluated for rivers.

Comparison of Constituents Across Seeps from Different River Drainages

Evaluation of descriptive statistics indicates five ions were consistently most abundant and had the highest mean concentrations in the seep water collected in all three drainages. These include total and dissolved sodium, magnesium, potassium, calcium, and sulfate. Total and dissolved magnesium and calcium were detected at the highest mean concentrations in Upper Talarik seep samples, whereas sodium and potassium were at similar concentrations across all three drainages. Sulfate was highest in South Fork Koktuli seep samples, which had a mean 5 times higher than concentrations in North Fork Koktuli seeps. Sulfate concentrations were intermediate in Upper Talarik seep samples.

In general, mean concentrations of trace metals were lowest for seeps in the North Fork Koktuli River drainage. The highest concentrations for seeps were divided between the South Fork Koktuli River and Upper Talarik Creek drainages, likely due to their partial proximity to the general deposit area. Trace elements of particular note are the wide range of aluminum and copper concentrations. Total aluminum concentrations from North Fork Koktuli seep samples had a mean of 0.025 mg/L, while total aluminum from South Fork Koktuli seep samples had a mean of 0.50 mg/L. Total copper concentrations from North Fork Koktuli seep samples had a mean of 0.00037 mg/L, and total copper concentrations from South Fork Koktuli seep samples had a mean of 0.12 mg/L.

The Upper Talarik Creek drainage, northeast of the general deposit area, presented the highest mean detected concentrations of the following constituents:

- Total and dissolved calcium in seep sample location SP66.
- Total and dissolved magnesium in seep sample location SP66.
- Total and dissolved potassium in seep sample location SRK01.
- Total sodium in seep sample location SRK01.
- Dissolved sodium in seep sample location SP65.

The South Fork Koktuli seeps located in the general deposit area presented the highest concentrations of the following constituents:

- Aluminum in seep sample location SRK08.
- Copper in seep sample location SRK08.

- Zinc in seep sample location SRK08.
- Iron in seep sample location SRK04, located near SP26.

As presented in the above summary of seep data, major ion and trace element concentrations showed considerable variability within and across seeps in the three drainages. The remainder of this section presents a discussion of patterns observed across different drainages and addresses Mann-Whitney U-Tests conducted to identify statistical differences in trace element seep water concentrations across individual drainages. The Mann-Whitney U-Test is further described in Section 9.1.8, and results of Mann-Whitney U-Tests for pair-wise comparison of constituents in seeps among the three drainages (using a p-value of 0.05) are presented in Table 9.1-29.

The range of concentrations of the constituents in seeps is primarily due to the effect of drainage subsurface water conditions. These drainages differ in geological formation, elevations in relation to the deposit area, presence of binding substances such as ions (i.e., sulfates, chloride ions), suspended and dissolved solids, ORP, water hardness, pH, and groundwater-to-surface water discharge rates. The following provides a discussion of the results of statistical comparison among these drainages.

For field and physical parameters in seep water samples, statistical differences across at least two of the three drainages were identified for TDS and pH. TDS was significantly different across all three pairs, while pH was significantly different between South Fork Koktuli seeps and those of the North Fork Koktuli drainage area and Upper Talarik Creek drainage area. TSS was significantly different between North Fork Koktuli and South Fork Koktuli seep samples.

For major ions, significant differences between at least two of the drainage pairs were identified for sodium, potassium, alkalinity, sulfate, fluoride, and hardness. Alkalinity, sulfate, and hardness as $CaCO_3$ (not filtered) were different in all three drainage pairs. Sodium was significantly different in Upper Talarik seeps than in seeps in the other two drainages, fluoride was different in South Fork Koktuli seeps than in the North Fork Koktuli and Upper Talarik seeps, and potassium was different in North Fork Koktuli seeps than the other two drainages.

For nutrients, statistical differences in total nitrate+nitrite (as N) concentrations were identified between the Upper Talarik seeps and those from the North Fork Koktuli and South Fork Koktuli seeps.

For trace elements, significant differences were apparent for four constituents in each drainage pair. Significantly statistical differences across all three pair-wise drainage comparisons were observed for arsenic, cadmium, copper, iron, nickel, and zinc. Nickel concentrations were significantly different across all three pairs. Arsenic was significantly different in Upper Talarik seeps relative to seeps in the other two drainages, while copper and zinc were significantly different in South Fork Koktuli seeps relative to seeps in the other two drainages. Iron was significantly different between North Fork Koktuli and Upper Talarik seeps.

It appears that peak concentrations in the seeps are related either to: (1) spring snowmelt, or (2) shallow groundwater in the late summer/early fall. This time of year is when aquifers are recharged from precipitation during the summer; water levels drop during the winter.

Impact of Discharge Velocity on Constituent Concentrations within Drainages

The pair-wise non parametric Mann-Whitney U-Test was performed to determine whether seep discharge velocity affects the concentration of field and physical properties, major ions, trace elements, or cyanides in the seeps within each individual drainage.

Seep locations in each watershed were grouped by seep velocity. Four seep discharge velocity categories were assigned to the North Fork Koktuli River and Upper Talarik Creek drainage area based on baseline flow during dry conditions:

- High velocity: greater than 0.5 cubic feet per second
- Medium velocity: less than 0.5 but more than 0.1 cubic feet per second
- Low velocity: less than 0.1 but more than 0.01 cubic feet per second
- Very low velocity: less than 0.01 cubic feet per second.

No high-velocity seeps were identified in the South Fork Koktuli River drainage, so only three categories were assigned to seeps from this drainage. Table 9.1-30 presents results of the statistical tests evaluating seep discharge on concentrations of trace elements in North Fork Koktuli, South Fork Koktuli, and Upper Talarik seeps. There are 10 high-velocity seeps, 37 medium-velocity seeps, 58 low-velocity seeps, and 22 very-low-velocity seeps. The subset selected for further study (Table 9.1-4) represents approximately 20 percent of the baseline seeps.

The results of the Mann-Whitney U-Tests (Table 9.1-30) indicate chloride, arsenic, and WAD cyanide do not statistically differ in concentrations between discharge levels. Therefore, it is expected that all other constituents will be influenced by seep discharge. Fewer constituents are affected by seep discharge in the North Fork Koktuli seeps than in seeps from the other drainages. Part of this difference may be in the substantially fewer number of sampling locations in the North Fork Koktuli River drainage area relative to the other drainages. Therefore, there are fewer locations for a correlation or trend to be identified statistically.

In general, for all three drainages, the largest difference in trace metal concentrations was between extremes of seep velocity (i.e., high and lowest velocity seeps and medium and lowest velocity seeps). Because there were no high-velocity seeps in the South Fork Koktuli River drainage area, most of the statistically significant differences were between medium- and low-velocity seeps, and low- and lowest-velocity seeps.

This information indicates concentrations of constituents discharged through seeps are at least, in part, dependent on the water velocity of the seep. This is further addressed below.

Effect of Flow Rate on Seep Concentrations

The relationship between discharge velocities and constituent concentrations was further evaluated by plotting the subset of seep sampling locations versus both median constituent concentrations and discharge velocities (y-axis). This analysis was performed separately for each drainage to identify if discharge velocity had an effect on constituent concentrations at a particular seep location.

North Fork Koktuli River Drainage

The drainage-specific results for constituents typically detected above MRLs are presented graphically in Figures 9.1-203 through 9.1-216. Although a few constituents showed direct or inverse relationships with seep flow, the majority had concentrations that appear independent of seep flow. Of the constituents that demonstrated a trend, more exhibit an inverse relationship with flow than a direct one.

Constituents showing an inverse relationship with seep flow include TSS (Figure 9.1-204), sulfate (Figure 9.1-208), and iron (Figure 9.1-212). For iron, the two seeps with median concentrations above the MRL (SP44 and SP99) are both low-flow seeps.

The only constituent showing a direct relationship with seep flow in the North Fork Koktuli River drainage is alkalinity (Figure 9.1-207).

Based on evaluation of the figures, the other constituents appear to be independent of seep flow, but some constituents are more clearly independent than others. For example, sodium concentrations appear to be slightly proportional to flow, but no clear trend is apparent (Figure 9.1-205). For potassium (Figure 9.1-206), the highest median is associated with a high-flow seep (station SP57), but no relationship is apparent. Also, hardness shows some relationship to flow, because low concentrations are present at low-flow seep station SP99, and high concentrations are present at high-flow seep station SP57 (Figure 9.1-210). However, this pattern is not consistent across seeps.

South Fork Koktuli River Drainage

Flow velocity and trace element concentration graphs for the South Fork Koktuli seeps are provided in Figures 9.1-217 through 9.1-230. Although a few constituents showed inverse relationships with seep flow, the majority had concentrations that appear independent of seep flow.

The constituents showing an inverse relationship with seep flow include TDS (Figure 9.1-217), sulfate (Figure 9.1-222), potassium (Figure 9.1-220), copper (Figure 9.1-227), and nickel (Figure 9.1-229).

Based on evaluation of the figures, the other constituents appear to be independent of seep flow, but some constituents are more clearly independent than others. For example, the highest potassium median is associated with a low-flow seep (station SP26), but insufficient data are available to identify an inverse trend (Figure 9.1-220). Copper median concentrations may appear related to seep flow given the small sample size (Figure 9.1-227), but no trends can be identified.

For alkalinity (Figure 9.1-221) and molybdenum (Figure 9.1-230), only moderate-flow seeps are included in the evaluation, so no trends could be evaluated.

Upper Talarik Creek Drainage

Flow velocity and trace element concentration graphs for the Upper Talarik seeps are provided in Figures 9.1-231 through 9.1-247. All but four constituents had concentrations that appear independent of seep flow. Unlike the North Fork Koktuli River and South Fork Koktuli River, all four of these constituents exhibited a direct relationship with seep flow (i.e., higher median concentrations in higher-flow seeps).

Constituents showing this direct relationship with seep flow include TSS (Figure 9.1-232), iron (Figure 9.1-241), lead (Figure 9.1-244), and molybdenum (Figure 9.1-247). Note that TSS showed the opposite

relationship with seep flow in the North Fork Koktuli River and South Fork Koktuli River drainages, as did iron in the North Fork Koktuli seeps.

9.1.10. Lakes and Ponds

This section presents the findings of the water quality study of lakes located in the mine study area. Water samples and measurement of physical parameters were obtained from a variety of lakes to assess spatial and temporal variability of trace elements and ions in the study area. The analysis was conducted using data acquired during 2006 and 2007.

Primary lakes in the study area include:

- Black Lake, located in the northwest portion of the study area.
- Lilly Lake, located north of Big Wiggly Lake.
- Big Wiggly Lake, located north of the deposit area at the origin of the North Fork Koktuli River.
- Frying Pan Lake, located just south of the deposit area.
- Chiquita Lake, located south of Sharp Mountain.
- Lake 2, located at the southern boundary of the study area near stream sampling location UT100A.

9.1.10.1. Results and Discussion: All Lakes and Ponds Data

This section presents the findings of the water quality study of lakes in the mine study area. Surface water samples and measurement of field and physical parameters, major ions, nutrients, trace elements, and cyanides in the study area were acquired between 2006 and 2007 at the locations shown on Figure 9.1-5.

The lakes study area encompasses approximately 392 square miles and is drained by the North Fork Koktuli River, South Fork Koktuli River, and Upper Talarik Creek (Figure 9.1-6). All sampling locations were more than 1 mile from the general deposit area.

As shown in Table 9.1-31, 47 surface water samples were collected from 19 lakes in the study area. The number of data points differs slightly among constituents because some data were rejected during data validation, as discussed in Section 9.1.6, Data Reduction. A summary of data collected across lakes and ponds and included in this study is provided in Appendix 9.1L.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, and cyanides, and compare results from lakes with those for rivers, creeks, and seeps where notable.

Field and Physical Parameters

Eight field and physical parameters were measured in the lakes study area surface water samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-31. The overall CV for field and physical parameters was 0.83, which is similar to the overall CVs in both seep and river samples for this group of parameters.

Total Dissolved Solids. The FOD for TDS was 98 percent, with a mean concentration of 41.8 mg/L. The CV for TDS was 0.5.

pH (Field). The median field pH was 7.17 (pH units), indicating that the lake water is slightly basic. This is different from the neutral to slightly acidic-trending pH in the study area rivers. The CV for pH was 0.12.

Dissolved Oxygen. DO was detected in all samples at a mean concentration of 8.51 mg/L, which is slightly lower than that seen in the study area rivers. The CV for DO was 0.24.

Water Temperature. The mean water temperature was 12^{o}C. The CV for water temperature was 0.32. Water temperature is much warmer in study area lakes than in the study area rivers or creeks, with a median temperature of 11.6^{o}C, because lakes represent primarily standing water that warms in the summer.

Specific Conductivity (Field). The mean concentration for specific conductivity, identified in all samples, was 61.6 uS/cm. The CV for specific conductivity was 1.69, indicating relatively high variability for this constituent.

Turbidity. The mean concentration for turbidity was 1.64 NTU. The CV for turbidity was 1.02. Turbidity is generally low in the lakes study area, as indicated by the median concentration of 1.08 NTU.

Total Suspended Solids. The FOD for TSS was 98 percent. TSS was detected at a mean concentration of 3.06 mg/L. The CV for TSS was 1.42, indicating relatively high variability for this constituent.

Oxidation Reduction Potential. ORP was detected in all samples at a mean concentration of 67.2 mV, with a range from -78 mV to 223 mV. The CV for ORP was 1.64.

Major Ions

The Lakes study area data for nine constituents (calcium, magnesium, sodium, and potassium [dissolved and total], as well as alkalinity, sulfate, chloride, fluoride, and hardness [not filtered]) are discussed in this section and summarized in Table 9.1-31. Data for the other analyzed parameters (total acidity and ion balance) can be found in Appendix 9.1L.

All of the major ions except total potassium (98 percent FOD), alkalinity (89 percent FOD), sulfate (98 percent FOD), and fluoride (51 percent FOD) were detected in all samples. Of the individual ions in this group of parameters, calcium and sulfate were detected at the highest mean concentrations; fluoride had a mean concentration one to two orders of magnitude lower than the other individual ions (Table 9.1-31).

The overall CV for the major ions was 0.73, indicating relatively low variability in concentrations of these parameters relative to trace elements. Box and whisker plots for each major ion are provided in Appendix 9.1K. Piper plots summarizing the major ionic distribution in the lakes are provided in Appendix 9.1M.

Calcium (Total). Total calcium was detected in all samples at a mean concentration of 5.75 mg/L, which is the most abundant across the major ions. The CV for total calcium was 0.65.

Calcium (Dissolved). Dissolved calcium was detected in all samples at a mean concentration of 5.78 mg/L. The CV for dissolved calcium was 0.62.

Magnesium (Total). Total magnesium was detected in all samples at a mean concentration of 1.26 mg/L. The CV for total magnesium was 0.75.

Magnesium (Dissolved). Dissolved magnesium was detected in all samples at a mean concentration of 1.29 mg/L. The CV for dissolved magnesium was 0.7.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.53 mg/L. The CV for total sodium was 0.83.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.52 mg/L. The CV for dissolved sodium was 0.78.

Potassium (Total). The FOD for total potassium was 98 percent. Potassium was detected at a mean concentration of 0.3 mg/L. The CV for total potassium was 0.61.

Potassium (Dissolved). Dissolved potassium was detected in all samples at a mean concentration of 0.3 mg/L. The CV for dissolved potassium was 0.58.

Alkalinity, Total. The FOD for total alkalinity was 89 percent. Total alkalinity was detected at a mean concentration of 18.5 mg/L. The CV for total alkalinity was 0.61.

Sulfate. The FOD for sulfate was 98 percent. Sulfate was detected at a mean concentration of 5.13 mg/L, making it the second most abundant major ion in lake waters. The CV for sulfate was 1.81, reflecting relatively high variability in concentrations.

Chloride. Chloride was detected in all samples at a mean concentration of 0.52 mg/L. The CV for chloride was 0.36, which is low relative to other major ions.

Fluoride. The FOD for fluoride was 51 percent. Fluoride was detected at a mean concentration of 0.032 mg/L, which is below MRLs. This indicates the mean concentration is largely a function of detection limits and estimated values. The CV for fluoride was 0.59.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected in all samples at a mean concentration of 19.5 mg/L. The CV for hardness as $CaCO_3$ (not filtered) was 0.66. Hardness values indicate the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-31. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1L.

Nutrients were not detected in all samples. Total phosphorus was detected in 98 percent of pond samples, nitrate+nitrite as N was detected in 60 percent of samples, and nitrogen, total ammonia (as N) was

detected in only36 percent of samples. Total orthophosphate [as P] was not detected in any of the pond water samples.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.63 (total phosphorus) to 1.81 (nitrate+nitrite as N). The CV for all nutrients was 1.14, which is higher than the CV for nutrients in the evaluated rivers, but lower than the CV for nutrients in seeps.

Nitrogen, Total Ammonia (as N). The FOD for total ammonia (as N) was 36 percent. Nitrogen, total ammonia (as N) was detected at a mean concentration of 0.039 mg/L, which is below MRLs. This indicates the mean is primarily a function of detection limits and estimated values. The CV for total ammonia (as N) was 0.98.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 60 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.11 mg/L. The CV for total nitrate+nitrite (as N) was 1.81, which indicates relatively high variability in this constituent.

Phosphorus. The FOD for phosphorus was 98 percent, which is much higher than in rivers or seeps within the study area. Phosphorus was detected at a mean concentration of 0.022 mg/L, which is above MRLs and MDLs. The CV for phosphorus was 0.63.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any lake samples.

Total Trace Elements

The lakes data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-31 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1L.

Total aluminum, barium, copper, and manganese were detected in all lakes study area samples. Iron and zinc were present in more than 95 percent of samples. Total cadmium was the only constituent not detected in any lake samples. Total iron was detected at the highest concentrations, with a mean concentration of 0.35 mg/L. Other trace elements were detected at one to three orders of magnitude lower. Lead was detected at the lowest mean concentration (0.00018 mg/L).

The overall CV for total trace elements in lake surface water samples was 1.22, which is higher than the major ions for these same lakes.

Aluminum. Total aluminum was detected in all samples at a mean concentration of 0.062 mg/L, which is the second highest mean of all total trace elements for lake samples. The CV for total aluminum was 1.26.

Barium. Total barium was detected in all samples at a mean concentration of 0.0042 mg/L. The CV for total barium was 0.75.

Iron. The FOD for total iron was 96 percent. Iron was detected at a mean concentration of 0.35 mg/L. Iron was the most abundant trace element for lake samples in the study area. The CV for total iron was 1.35.

Copper. Total copper was detected in all samples at a mean concentration of 0.0008 mg/L. The CV for total copper was 1.16.

Zinc. The FOD for total zinc was 98 percent. Zinc was detected at a mean concentration of 0.0029 mg/L. The CV for total zinc was 0.87.

Lead. The FOD for total lead was 62 percent. Lead was detected at a mean concentration of 0.00018 mg/L. The CV for total lead was 1.21.

Cadmium. Cadmium was not detected in any sample.

Arsenic. The FOD for total arsenic was 49 percent. Arsenic was detected at a mean concentration of 0.00077 mg/L. The CV for total arsenic was 1.86, which represents the highest variability in lakes among the total trace elements.

Nickel. The FOD for total nickel was 77 percent. Nickel was detected at a mean concentration of 0.0003 mg/L. The CV for total nickel was 0.88.

Molybdenum. The FOD for total molybdenum was 89 percent. Molybdenum was detected at a mean concentration of 0.00038 mg/L. The CV for total molybdenum was 1.17.

Manganese. Total manganese was detected in all samples at a mean concentration of 0.03 mg/L, which is the third highest mean of the trace elements for lakes in the study area. The CV for total manganese was 1.73.

Dissolved Trace Elements

Lake surface water data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-31 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1L.

Dissolved aluminum, barium, copper, zinc, and manganese were detected in all lake samples. Dissolved cadmium was the only constituent not detected in any lake samples. Dissolved iron was detected at the highest concentrations, with a mean of 0.17 mg/L. Mean concentrations of all other trace elements were one to two orders of magnitude lower, ranging from 0.020 mg/L for dissolved aluminum to 0.00011 mg/L for dissolved lead.

The overall CV for dissolved trace elements in lake surface water samples (1.25) was similar to that for total trace elements for the same samples (1.22).

Aluminum. Dissolved aluminum was detected in all samples at a mean concentration of 0.02 mg/L, about one-third the mean concentration for total aluminum. The CV for dissolved aluminum was 1.42.

Barium. Dissolved barium was detected in all samples at a mean concentration of 0.0036 mg/L. The CV for dissolved barium was 0.74.

Iron. The FOD for dissolved iron was 89 percent. Iron was detected at a mean concentration of 0.17 mg/L. Dissolved iron was the most abundant of the dissolved trace elements in lake surface water samples. The CV for dissolved iron was 1.8, which is higher than that for total iron.

Copper. Dissolved copper was detected in all samples at a mean concentration of 0.00066 mg/L. The CV for dissolved copper was 0.93.

Zinc. Dissolved zinc was detected in all samples at a mean concentration of 0.002 mg/L. The CV for dissolved zinc was 0.52, the lowest variability among detected dissolved trace elements in lake surface water samples.

Lead. The FOD for dissolved lead was 68 percent. Lead was detected at a mean concentration of 0.00011 mg/L. The CV for dissolved lead was 0.99.

Cadmium. Dissolved cadmium was not detected in any samples.

Arsenic. The FOD for dissolved arsenic was 47 percent. Arsenic was detected at a mean concentration of 0.00068 mg/L. The CV for dissolved arsenic was 2.07, which indicates high variability relative to other dissolved trace elements.

Nickel. The FOD for dissolved nickel was 79 percent. Nickel was detected at a mean concentration of 0.00037 mg/L. The CV for dissolved nickel was 0.67.

Molybdenum. The FOD for dissolved molybdenum was 89 percent. Molybdenum was detected at a mean concentration of 0.00037 mg/L. The CV for dissolved molybdenum was 1.17.

Manganese. Dissolved manganese was detected in all samples at a mean concentration of 0.019 mg/L. The CV for dissolved manganese was 2.16, the highest variability across the dissolved trace elements in lake surface water.

Cyanides

Total Cyanide. The FOD for total cyanide was 2 percent. Total cyanide was detected in only one sample at a mean concentration of 0.00078 mg/L, which is below MRLs and MRLs and indicates the mean concentration is primarily a function of detection limits. The CV for total cyanide was 0.23.

WAD Cyanide. The FOD for WAD cyanide was 9 percent. WAD cyanide was detected at a mean concentration of 0.00099 mg/L, which is below MRLs and MRLs and indicates the mean concentration is primarily a function of detection limits. The CV for WAD cyanide was 0.73.

Organic Compounds

Organic compounds were not analyzed in lake samples.

9.1.10.2. Results and Discussion: Frying Pan Lake

This section presents the findings of the water quality study at Frying Pan Lake, located south of the deposit area, and drained by a tributary to the South Fork Koktuli River (Figure 9.1-5). Surface water samples and measurement of various constituents were obtained to assess the variability of field and

physical parameters, major ions, nutrients, trace elements, and cyanides in the lake. The analysis was conducted using data acquired during the 2006 and 2007 seasons.

As shown in Table 9.1-32, 11 surface water samples were collected from Frying Pan Lake. The number of data points differs slightly among constituents because some data were rejected during data validation, as discussed in Section 9.1.6, Data Reduction.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, and cyanides.

Field and Physical Parameters

Eight field and physical parameters were measured in Frying Pan Lake surface water samples, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-32. The overall CV for field and physical parameters was 0.58, which is lower than the overall CV across all lakes and ponds. This indicates that water in Frying Pan Lake is more consistent in levels of field and physical parameters than across different lakes.

Total Dissolved Solids. TDS had a mean concentration of 44.3 mg/L. The CV for TDS was 0.26.

pH (Field). The mean concentration for pH was 6.32. The CV for pH was 0.18. The median concentration for pH was 6.26, indicating the water is slightly acidic. The pH is approximately 0.5 pH units lower than the pH in South Fork Koktuli River.

Dissolved Oxygen. DO was detected at a mean concentration of 7.37 mg/L, which is the lowest concentration of all lakes in the study. The CV for DO was 0.14.

Water Temperature. The mean water temperature was 9.09^{o}C. The CV for water temperature was 0.4. Water temperature is cooler in Frying Pan Lake relative to the overall lakes dataset, with a median temperature of 9.62^{o}C compared to 11.6^{o}C in all lakes.

Specific Conductivity (Field). The mean concentration for specific conductivity was 38.2 uS/cm. The CV for specific conductivity was 0.45.

Turbidity. The mean concentration for turbidity was 1.98 NTU, which is slightly higher than for the lakes dataset as a whole. The CV for turbidity was 1.14.

Total Suspended Solids. The FOD for TSS was 91 percent. TSS was detected at a mean concentration of 4.27 mg/L. The CV for TSS was 1.39. TSS is higher in Frying Pan Lake relative to the overall lakes dataset.

Oxidation Reduction Potential. ORP was detected at a mean concentration of 128 mV and ranged from -77.8 mV to 223 mV. The CV for ORP was 0.7.

Major Ions

Frying Pan Lake data for nine parameters (calcium, magnesium, sodium, and potassium [dissolved and total], as well as alkalinity, sulfate, chloride, fluoride, and hardness [not filtered]) are discussed in this

section and summarized in Table 9.1-32. Data for the other analyzed parameters in this group (e.g., total acidity and ion balance) can be found in Appendix 9.1L.

All of the major ions except fluoride (64 percent FOD) were detected in all samples. Calcium and sulfate were detected at the highest mean concentrations of the individual ions in this group of constituents; fluoride had a mean concentration one or two orders of magnitude lower than the other major ions (Table 9.1-32).

The overall CV for the major ions was 0.46, indicating relatively low variability in concentrations of these parameters relative to trace elements.

Calcium (Total). Total calcium was detected at a mean concentration of 5.02 mg/L, making it the most abundant major ion in Frying Pan Lake. The CV for total calcium was 0.38.

Calcium (Dissolved). Dissolved calcium was detected at a mean concentration of 4.78 mg/L. The CV for dissolved calcium was 0.37.

Magnesium (Total). Total magnesium was detected at a mean concentration of 1.09 mg/L. The CV for total magnesium was 0.56.

Magnesium (Dissolved). Dissolved magnesium was detected at a mean concentration of 1.05 mg/L. The CV for dissolved magnesium was 0.55.

Sodium (Total). Total sodium was detected at a mean concentration of 2.19 mg/L, making it the third most abundant major ion in Frying Pan Lake. The CV for total sodium was 0.22.

Sodium (Dissolved). Dissolved sodium was detected at a mean concentration of 2.18 mg/L. The CV for dissolved sodium was 0.19.

Potassium (Total). Total potassium was detected at a mean concentration of 0.2 mg/L. The CV for total potassium was 0.59.

Potassium (Dissolved). Dissolved potassium was detected at a mean concentration of 0.2 mg/L. The CV for dissolved potassium was 0.59. Dissolved and total potassium have almost identical values in Frying Pan Lake.

Alkalinity, Total. Total alkalinity had a mean concentration of 19.8 mg/L, which is similar to the overall lakes dataset. The CV for total alkalinity was 0.35.

Sulfate. Sulfate was detected at a mean concentration of 3.56 mg/L, making it the second most abundant major ion in Frying Pan Lake. The CV for sulfate was 1.07.

Chloride. Chloride was detected at a mean concentration of 0.54 mg/L. The CV for chloride was 0.22, which is the lowest variability across the major ions.

Fluoride. The FOD for fluoride was 64 percent. Fluoride was detected at a mean concentration of 0.038 mg/L, which is below MRLs and indicates the mean concentration is, in part, a function of detection limits and estimated values. The CV for fluoride was 0.52.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected at a mean concentration of 17 mg/L. The CV for hardness as $CaCO_3$ (not filtered) was 0.43. The low hardness value indicates the water in Frying Pan Lake is soft relative to the default of 50 mg/L used to develop water quality criteria.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-32. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1L.

Total phosphorus was detected in all samples from Frying Pan Lake. Nitrate+nitrite as N was detected in 82 percent of samples, and nitrogen, and total ammonia (as N) was detected in 64 percent of samples. Total orthophosphate [as P] was not detected in any of the samples.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.60 (total phosphorus) to 1.32 (nitrate+nitrite as N). The CV for all nutrients was 0.68, which is lower than the CV for nutrients across other evaluated lakes and ponds combined.

Total Ammonia (as N). The FOD for total ammonia (as N) was 64 percent. Total ammonia (as N) was detected at a mean concentration of 0.071 mg/L, which is below MRLs; therefore, the mean is a function of detection limits and estimated values. The CV for total ammonia (as N) was 0.83.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 82 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.28 mg/L. The CV for total nitrate+nitrite (as N) was 1.32.

Phosphorus. Phosphorus was detected in all 11 samples from Frying Pan Lake at a mean concentration of 0.023 mg/L, which is above both MRLs and MDLs. The CV for phosphorus was 0.60.

Total Orthophosphate (as P). Orthophosphate was not detected in any lake samples.

Total Trace Elements

Frying Pan Lake data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-32 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1L.

Total aluminum, barium, iron, copper, zinc, and manganese were detected in all samples from Frying Pan Lake. Total cadmium was the only trace element not detected in any Frying Pan Lake samples. Total iron was detected at the highest concentrations, with a mean of 0.40 mg/L. Mean concentrations of all other constituents were one to two orders of magnitude lower, ranging from 0.053 mg/L for total aluminum to 0.00011 mg/L for total lead.

The overall CV for total trace elements in Frying Pan Lake surface water samples was 0.81, which is lower than that of the overall lakes dataset. This is consistent with the expectation that samples from a single lake should be more consistent that those across multiple lakes.

Aluminum. Total aluminum was detected in all samples at a mean concentration of 0.053 mg/L, representing the second most abundant total trace element in Frying Pan Lake. The CV for total aluminum was 1.0.

Barium. Total barium was detected in all samples at a mean concentration of 0.004 mg/L. The CV for total barium was 0.44.

Iron. Total Iron was detected in all samples at a mean concentration of 0.40 mg/L and is the most abundant trace element in Frying Pan Lake. The CV for total iron was 0.69.

Copper. Total copper was detected in all samples at a mean concentration of 0.0013 mg/L. The CV for total copper was 1.1.

Zinc. Total zinc was detected in all samples at a mean concentration of 0.0032 mg/L. The CV for total zinc was 0.51.

Lead. The FOD for total lead was 36 percent. Lead was detected at a mean concentration of 0.00011 mg/L. The CV for total lead was 1.27, which is the highest among the total trace elements in Frying Pan Lake.

Cadmium. Total cadmium was not detected in any samples.

Arsenic. The FOD for total arsenic was 45 percent. Arsenic was detected at a mean concentration of 0.00048 mg/L, which is below MRLs. The mean concentration is a function of detection limits and estimated values. The CV for total arsenic was 0.85.

Nickel. The FOD for total nickel was 45 percent. Nickel was detected at a mean concentration of 0.00022 mg/L. The CV for total nickel was 0.69.

Molybdenum. The FOD for total molybdenum was 73 percent. Molybdenum was detected at a mean concentration of 0.00035 mg/L. The CV for total molybdenum was 0.8.

Manganese. Total manganese was detected in all samples at a mean concentration of 0.035 mg/L, representing the third most abundant total trace element in Frying Pan Lake. The CV for total manganese was 0.73.

Dissolved Trace Elements

Frying Pan Lake data for dissolved aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-32 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1L.

Dissolved aluminum, barium, copper, zinc, lead, nickel, and manganese were detected in all samples from Frying Pan Lake. Dissolved cadmium was the only parameter not detected in any Frying Pan Lake samples. Dissolved iron was detected at the highest concentrations, with a mean of 0.16 mg/L. Mean concentrations of other constituents were one to two orders of magnitude lower, ranging from 0.017 mg/L for manganese to 0.00016 mg/L for lead.

The overall CV for dissolved trace elements in Frying Pan Lake surface water samples was 0.66.

Aluminum. Dissolved aluminum was detected in all samples at a mean concentration of 0.015 mg/L. The CV for dissolved aluminum was 0.48.

Barium. Dissolved barium was detected in all samples at a mean concentration of 0.0033 mg/L. The CV for dissolved barium was 0.46.

Iron. The FOD for dissolved iron was 91 percent. Iron was detected at a mean concentration of 0.16 mg/L, the most abundant dissolved trace element in Frying Pan Lake. The CV for dissolved iron was 0.83.

Copper. Dissolved copper was detected in all samples at a mean concentration of 0.00083 mg/L. The CV for dissolved copper was 0.99.

Zinc. Dissolved zinc was detected in all samples at a mean concentration of 0.0027 mg/L. The CV for dissolved zinc was 0.39.

Lead. Dissolved lead was detected in all samples at a mean concentration of 0.00016 mg/L. The mean is below the range of MRLs and MDLs, indicating it is a function of estimated values. The CV for dissolved lead was 0.47.

Cadmium. Dissolved cadmium was not detected in any samples.

Arsenic. The FOD for dissolved arsenic was 45 percent. Arsenic was detected at a mean concentration of 0.00036 mg/L, which is below MRLs. The mean concentration is a function of detection limits and estimated values. The CV for dissolved arsenic was 0.77.

Nickel. Dissolved nickel was detected in all samples at a mean concentration of 0.00036 mg/L for the two samples in which it was reported. The CV for dissolved nickel was 0.35.

Molybdenum. The FOD for dissolved molybdenum was 73 percent. Molybdenum was detected at a mean concentration of 0.00035 mg/L. The CV for dissolved molybdenum was 0.82.

Manganese. Dissolved manganese was detected in all samples at a mean concentration of 0.017 mg/L. The CV for dissolved manganese was 1.04.

Cyanides

Total Cyanide. Total cyanide was not detected in any sample.

WAD Cyanide. WAD cyanide was detected in three samples (27 percent FOD). WAD cyanide was detected at a mean concentration of 0.0013 mg/L, which is below both MRLs and MDLs. The mean is a function of detection limits and estimated values. The CV for WAD cyanide was 0.99.

Organic Compounds

Organic compounds were not analyzed in any Frying Pan Lake samples.

Comparison with Water Quality Criteria

Field and physical parameters, ions, trace elements, and cyanide concentrations were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

A summary of the comparison is presented in Table 9.1-33. Concentrations of most constituents met the most stringent water quality criteria. Concentrations were outside of the most stringent criteria in at least one sample for the following constituents:

- pH was outside the criteria range in 9 of 10 samples.
- DO was below the most stringent minimum criteria in 5 of 10 samples.
- Alkalinity was below the most stringent minimum criteria in 4 of 11 samples.
- WAD cyanide was above the most stringent maximum criteria in 1 of 11 samples.

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates. Concentrations were above the most stringent maximum water quality criteria in at least one sample for the following trace elements:

- Aluminum (total: 2 in 11 samples).
- Copper (total: 4 in 11 samples; dissolved: 3 in 10 samples).
- Iron (total: 1 in 11 samples).
- Lead (total: 2 in 11 samples; dissolved: 1 in 4 samples).

The pH values were either above (greater than 8.5) or below the most stringent criteria (less than 6.5) at all locations.

Because most locations were sampled only once, it is not surprising that the NOCs of trace elements outside the most stringent criteria were from separate locations.

NOCs outside the most stringent criteria largely appear limited in areas within the lake, while pH most likely represents a continuous source of variability throughout the lake.

9.1.10.3. Results and Discussion: Lakes and Ponds Other than Frying Pan Lake

This section presents the findings of the surface water quality study of lakes other than Frying Pan Lake sampled within the mine study area. Surface water samples and measurement of physical and chemical parameters were obtained from multiple lakes to assess the baseline conditions and spatial variability of field and physical parameters, major ions, nutrients, trace elements, and cyanides in the study area. The analysis was conducted using data acquired during 2006 and 2007.

As shown in Table 9.1-34, 36 surface water samples were collected from lakes other than Frying Pan Lake. The number of data points differs slightly among constituents because some data were rejected during data validation, as discussed in Section 9.1.6, Data Reduction.

The following subsections discuss the summary statistics for field and physical parameters, major ions, nutrients, total and dissolved trace elements, and cyanides.

Field and Physical Parameters

Eight field and physical parameters were measured in surface water samples from lakes other than Frying Pan Lake, including TDS, field pH, DO, water temperature, field specific conductivity, turbidity, TSS, and ORP. Ranges, means, and other summary statistics for these field and physical parameters are presented in Table 9.1-34. The overall CV for field and physical parameters was 0.89, which is higher than the overall CV in samples from Frying Pan Lake. This indicates that water across different water bodies is higher in variability than water from Frying Pan Lake.

Total Dissolved Solids. The FOD for TDS was 97 percent. TDS had a mean concentration of 41.1 mg/L. The CV for TDS was 0.56.

pH (Field). The mean pH was 7.42. The CV for pH was 0.084. The median field pH was 7.48 (pH units), indicating the water is slightly basic. This is different from the neutral to slightly acidic-trending pH in the rivers and creeks within the study area, and the slightly acidic pH in Frying Pan Lake.

Dissolved Oxygen. DO was detected at a mean concentration of 8.84 mg/L, which is similar to the mean in Frying Pan Lake. The CV for DO was 0.24.

Water Temperature. The mean water temperature was 12.8^{o}C. The CV for water temperature was 0.27. With a median temperature of 11.9^{o}C, water temperature is about 7 or 8 degrees warmer in lakes than in rivers or creeks within the study area, and about 2 degrees warmer than Frying Pan Lake. Most of the other sampled lakes are smaller than Frying Pan Lake, which could account for the higher annual water temperatures in these other lakes.

Specific Conductivity (Field). The mean concentration for specific conductivity was 68.2 uS/cm. The CV for specific conductivity was 1.71.

Turbidity. Turbidity is generally low in the study area for lakes as indicated by the mean concentration of 1.54 NTU, but above the mean concentration in Frying Pan Lake. The CV for turbidity was 0.96.

Total Suspended Solids. TSS was detected in all samples at a mean concentration of 2.68 mg/L, which is lower than that in Frying Pan Lake. The CV for TSS was 1.42.

Oxidation Reduction Potential. ORP was detected at a mean concentration of 49.8 mV, with a range between -75 mV and 223 mV. The CV for ORP was 2.21, the highest variability across this group of constituents.

Major Ions

Data for nine parameters (calcium, magnesium, sodium, and potassium (dissolved and total), as well as alkalinity, sulfate, chloride, fluoride, and hardness [not filtered]) are discussed in this section and

summarized in Table 9.1-34. Data for the other analyzed parameters in this group (e.g., total acidity and ion balance) can be found in Appendix 9.1L.

All of the major ions except total potassium (97 percent FOD), alkalinity (86 percent FOD), sulfate (97 percent FOD), and fluoride (47 percent FOD) were detected in all samples. Calcium and sulfate were detected at the highest mean concentrations of the individual ions in this group of parameters; fluoride had a mean concentration one or two orders of magnitude lower than the other major ions (Table 9.1-34). Sulfate is higher in this dataset than in either the overall lake dataset or the dataset representing lakes other than Frying Pan Lake.

The overall CV for the major ions was 0.77, indicating relatively low variability in concentrations of these parameters relative to trace elements for the same samples in these lakes. This CV is higher than that for Frying Pan Lake.

Calcium (Total). Total calcium was detected in all samples at a mean concentration of 5.97 mg/L and is the most abundant major ion in lakes other than Frying Pan Lake in the study area. The CV for total calcium was 0.7.

Calcium (Dissolved). Dissolved calcium was detected in all samples at a mean concentration of 6.09 mg/L and is the most abundant major ion in lakes other than Frying Pan Lake in the study area. The CV for dissolved calcium was 0.65.

Magnesium (Total). Total magnesium was detected in all samples at a mean concentration of 1.32 mg/L. The CV for total magnesium was 0.78.

Magnesium (Dissolved). Dissolved magnesium was detected in all samples at a mean concentration of 1.36 mg/L. The CV for dissolved magnesium was 0.72.

Sodium (Total). Total sodium was detected in all samples at a mean concentration of 2.64 mg/L. The CV for total sodium was 0.90.

Sodium (Dissolved). Dissolved sodium was detected in all samples at a mean concentration of 2.62 mg/L. The CV for dissolved sodium was 0.85.

Potassium (Total). The FOD for total potassium was 97 percent. Potassium was detected at a mean concentration of 0.33 mg/L. The CV for total potassium was 0.57.

Potassium (Dissolved). Dissolved potassium was detected in all samples at a mean concentration of 0.33 mg/L. The CV for dissolved potassium was 0.54.

Alkalinity, Total. The FOD for total alkalinity was 86 percent. Alkalinity was detected at a mean concentration of 18.1 mg/L. The CV for total alkalinity was 0.68.

Sulfate. The FOD for sulfate was 97 percent. Sulfate was detected at a mean concentration of 5.6 mg/L, which is second in abundance of major ions in these lakes. The CV for sulfate was 1.85, indicating relatively high variability for this constituent.

Chloride. Chloride was detected in all samples at a mean concentration of 0.52 mg/L. The CV for chloride was 0.40.

Fluoride. The FOD for fluoride was 47 percent. Fluoride was detected at a mean concentration of 0.030 mg/L, which is below both MRLs and MDLs. The mean is a function of detection limits and estimated values. The CV for fluoride was 0.61.

Hardness as $CaCO_3$ (Not Filtered). Hardness as $CaCO_3$ (not filtered) was detected in all samples at a mean concentration of 20.3 mg/L. The CV for hardness as $CaCO_3$ (not filtered) was 0.7. The low hardness value indicates the water is soft relative to the default of 50 mg/L used to develop water quality criteria.

Nutrients

Data for four parameters (total ammonia, nitrogen [as N]; total nitrate+nitrite [as N]; phosphorus; and phosphorus, total orthophosphate [as P]) are discussed in this section and summarized in Table 9.1-34. Data for other analyzed parameters in this group (e.g., nitrogen-nitrate [as N] and nitrogen, nitrite) can be found in Appendix 9.1L.

Total phosphorus was detected in 97 percent of samples from lakes other than Frying Pan Lake, nitrate+nitrite as N was detected in 47 percent of samples, and nitrogen, and total ammonia (as N) was detected in 28 percent of samples. Total orthophosphate [as P] was not detected in any of the samples.

The variability of analytical data for nutrients was higher than major ions, with CVs ranging from 0.65 (total phosphorus) to 0.88 (nitrate+nitrite as N). The CV for all nutrients was 0.75, which is slightly higher than the CV for nutrients in Frying Pan Lake.

Total Ammonia, as N. The FOD for total ammonia was 28 percent. Total ammonia was detected at a mean concentration of 0.029 mg/L, which is below both MRLs and MDLs. The mean is a function of detection limits and estimated values. The CV for total ammonia was 0.74.

Total Nitrate+Nitrite (as N). The FOD for total nitrate+nitrite (as N) was 47 percent. Total nitrate+nitrite (as N) was detected at a mean concentration of 0.060 mg/L, which is below MRLs. The mean is a function of detection limits and estimated values. The CV for total nitrate+nitrite (as N) was 0.88.

Phosphorus. The FOD for phosphorus was 97 percent. Phosphorus was detected at a mean concentration of 0.021 mg/L, which is above MRLs and MDLs. The CV for phosphorus was 0.65.

Total Orthophosphate (as P). Total orthophosphate (as P) was not detected in any lake samples.

Total Trace Elements

Data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-34 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1L.

Total aluminum, barium, copper, and manganese were detected in all samples from lakes other than Frying Pan Lake. Iron, zinc, and molybdenum were detected in over 90 percent of samples. Total

cadmium was the only parameter not detected in any lake samples (including Frying Pan Lake). Total iron was detected at the highest concentration, with a mean of 0.34 mg/L. Mean concentrations of all other constituents were lower, ranging from 0.065 mg/L for total aluminum to 0.00020 mg/L for total lead.

The overall CV for total trace elements in surface water samples from other lakes (1.29) was higher than that for Frying Pan Lake, likely due to variability among different lakes.

Aluminum. Total aluminum was detected in all samples at a mean concentration of 0.065 mg/L and represents the second most abundant total trace element in this dataset. The CV for total aluminum was 1.31.

Barium. Total barium was detected in all samples at a mean concentration of 0.0042 mg/L. The CV for total barium was 0.82.

Iron. The FOD for total iron was 94 percent. Iron was detected at a mean concentration of 0.34 mg/L, which is the most abundant trace element in the dataset. The CV for total iron was 1.55, which indicates relatively high variability for this constituent.

Copper. Total copper was detected in all samples at a mean concentration of 0.00066 mg/L. The CV for total copper was 1.06.

Zinc. The FOD for total zinc was 97 percent. Zinc was detected at a mean concentration of 0.0029 mg/L, which is just below MDLs, indicating the mean is, in part, a function of detection limits and estimated concentrations. The CV for total zinc was 0.97.

Lead. The FOD for total lead was 69 percent. Lead was detected at a mean concentration of 0.0002 mg/L. The CV for total lead was 1.16.

Cadmium. Cadmium was not detected in any samples.

Arsenic. The FOD for total arsenic was 50 percent. Arsenic was detected at a mean concentration of 0.00086 mg/L. The CV for total arsenic was 1.88, which is relatively high variability for total trace elements in this dataset.

Nickel. The FOD for total nickel was 86 percent. Nickel was detected at a mean concentration of 0.00032 mg/L. The CV for total nickel was 0.88.

Molybdenum. The FOD for total molybdenum was 94 percent. Molybdenum was detected at a mean concentration of 0.00039 mg/L. The CV for total molybdenum was 1.25.

Manganese. Total manganese was detected in all samples at a mean concentration of 0.028 mg/L, which is the third most abundant total trace element in the dataset. The CV for total manganese was 2.04, which is the highest variability across the total trace elements in this dataset.

Dissolved Trace Elements

Data for aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, and manganese are summarized in Table 9.1-34 and discussed below. Other trace elements were also analyzed (antimony, beryllium, bismuth, boron, chromium, cobalt, mercury, selenium, silver, thallium, tin, and vanadium). Data for these other trace elements are presented in Appendix 9.1L.

Dissolved aluminum, barium, copper, zinc, and manganese were detected in all samples from lakes other than Frying Pan Lake, and molybdenum was detected in 94 percent of samples. Dissolved cadmium was the only parameter not detected in any lake samples (including Frying Pan Lake). Dissolved iron was detected at the highest concentrations, with a mean concentration of 0.17 mg/L. Mean concentrations of all other constituents were at least one order of magnitude lower, ranging from 0.022 mg/L for aluminum to 0.00011 mg/L for lead.

Similar to total trace elements, the overall CV for dissolved trace elements in surface water samples from other lakes (1.31) was higher than that for Frying Pan Lake, likely due to variability across different lakes.

Aluminum. Dissolved aluminum was detected in all samples at a mean concentration of 0.022 mg/L, which is about one-third the concentration of total aluminum. Dissolved aluminum is the second most abundant trace element in the dataset. The CV for dissolved aluminum was 1.49.

Barium. Dissolved barium was detected in all samples at a mean concentration of 0.0037 mg/L. The CV for dissolved barium was 0.8.

Iron. The FOD for dissolved iron was 89 percent. Iron was detected at a mean concentration of 0.17 mg/L, which is the most abundant of the dissolved trace elements in the dataset. The CV for dissolved iron was 2.0, which is greater than the variability for total iron.

Copper. Dissolved copper was detected in all samples at a mean concentration of 0.00059 mg/L. The CV for dissolved copper was 0.88.

Zinc. Dissolved zinc was detected in all samples at a mean concentration of 0.0018 mg/L. The CV for dissolved zinc was 0.53, which was lower than the CV for total zinc.

Lead. The FOD for dissolved lead was 64 percent. Lead was detected at a mean concentration of 0.00011 mg/L. The CV for dissolved lead was 1.08.

Cadmium. Cadmium was not detected in any samples.

Arsenic. The FOD for dissolved arsenic was 47 percent. Arsenic was detected at a mean concentration of 0.00078 mg/L. The CV for dissolved arsenic was 2.05.

Nickel. The FOD for dissolved nickel was 78 percent. Nickel was detected at a mean concentration of 0.00037 mg/L. The CV for dissolved nickel was 0.69.

Molybdenum. The FOD for dissolved molybdenum was 94 percent. Molybdenum was detected at a mean concentration of 0.00038 mg/L. The CV for dissolved molybdenum was 1.25.

Manganese. Dissolved manganese was detected in all samples at a mean concentration of 0.02 mg/L. The CV for dissolved manganese was 2.34, which reflects the greatest variability across dissolved trace elements in the dataset.

Cyanides

Total Cyanide. Total cyanide was detected in only one sample (3 percent FOD). Total cyanide was detected at a mean concentration of 0.00078 mg/L, which is below MRLs and MRLs. The mean represents a function of detection limits. The CV for total cyanide was 0.27.

WAD Cyanide. WAD cyanide was also detected in only one sample (3 percent FOD). WAD cyanide was detected at a mean concentration of 0.00089 mg/L, which is below MRLs and MRLs. The mean represents a function of detection limits. The CV for WAD cyanide was 0.47.

Organic Compounds

Organic compounds were not analyzed in any lake samples.

Comparison with Water Quality Criteria

Field and physical parameters, ions, trace elements, and cyanide concentrations for lakes other than Frying Pan Lake were compared against ADEC water quality criteria for the protection of human health and aquatic life (ADEC, 2009), as described in the Comparison with Water Quality Criteria subsection of Section 9.1.8.1.

A summary of the comparison is presented in Table 9.1-35. Concentrations of most constituents met the most stringent water quality criteria. Concentrations were outside the most stringent criteria in at least one sample for the following constituents:

- pH was outside the criteria range in 3 of 36 samples.
- DO was below the most stringent minimum criteria in 6 of 36 samples.
- Alkalinity was below the most stringent minimum criteria in 21 of 36 samples.

The pH values were below the minimum criterion at one location in 2006, and above the maximum criterion in 2007. This most likely represents a continuous source of variability across the lakes. Similarly, DO and alkalinity concentrations are naturally below minimum criteria at multiple lakes, indicating the source of variability may be natural and occurs sporadically in lakes for these constituents.

Water quality criteria for several NOCs (cadmium, copper, lead, nickel, and zinc) are hardness-dependent because the toxicity is partially based on the binding ability of the water. Other aquatic life criteria are pH-, and/or temperature-dependent. Input values used for chemical-specific hardness adjusted criteria equations are provided in Table 9.1-9, and adjusted preliminary values are provided in Appendix 9.1B. These preliminary estimates were used for comparative purposes based on a range of baseline hardness values throughout the drainage. Criteria for cadmium, copper, lead, nickel, and zinc are all based on these preliminary estimates. Concentrations were above the most stringent maximum water quality criteria in at least one sample for the following trace elements: Aluminum (total: 7 of 36 samples; dissolved: 2 of 36 samples).

- Cadmium (total: 1 of 36 samples; dissolved: 1 of 36 samples; based on the default value for non-detected samples of one –half of the detection limit).

- Copper (total: 6 of 36 samples; dissolved: 4 of 26 samples).
- Iron (total: 4 of 36 samples; dissolved: 2 of 36 samples).
- Lead (total: 11 of 36 samples; dissolved: 4 of 33 samples).
- Manganese (total: 4 of 36 samples).
- Zinc (total: 1 of 36 samples).

As discussed above, sources of variability demonstrate that NOCs of several trace elements are above the most stringent maximum criteria sporadically across different lakes in the mine study area.

9.1.10.4. Comparison Between Lake and Pond Datasets

Total concentrations of detected parameters in Frying Pan Lake and other lakes combined were compared using the Mann-Whitney U-Test, a non-parametric version of the two-sample *t*-test. This test was conducted to evaluate if total and dissolved concentrations were statistically different for individual trace elements between Frying Pan Lake and the other lakes included in the water quality sampling program. This is important because Frying Pan Lake has been the most extensively sampled lake, is located down-gradient from the general deposit area, and is one of the larger lakes in the mine study area. It is therefore useful to understand if Frying Pan Lake can serve as an indicator of baseline conditions across all lakes in the area, or if it has a different signature. Results are presented in Table 9.1-36.

The Mann-Whitney U-Test was also conducted for similar comparisons of concentrations between river systems for both surface water and seep data. For this evaluation, the standard p-value of 0.05 was used to identify parameters with significant differences in concentrations between the datasets. Specific locations were not compared within a lake because the focus of this evaluation was to compare concentrations between datasets rather than different areas within a lake.

As shown in Table 9.1-36, significant differences between at least two pairs were identified for total iron, total potassium, and pH. Potassium is present at significantly higher median concentrations in the other lakes than in Frying Pan Lake, while the opposite is true for iron. The pH value is significantly more basic in the other lakes (mean of 7.4) than in Frying Pan Lake (mean of 6.3).

Results are also shown graphically for each parameter in Figures 9.1-248 through 9.1-268. These graphs compare the medians between the two datasets and illustrate the relative variability of the data medians. The graphs illustrate the significant differences for pH (Figure 9.1-249), potassium (Figure 9.1-252), and iron (Figure 9.1-260). Although not statistically significant, molybdenum (Figure 9.1-266) is present in Frying Pan Lake (0.0028 mg/L) at higher concentrations than in other lakes (0.0016 mg/L). Nickel shows this same trend, but to a lesser extent. Conversely, mean sulfate concentrations in the other lakes were about twice the mean sulfate concentrations in Frying Pan Lake (Figure 9.1-254).

The pH of the other lakes was quite consistent, while the measurements for Frying Pan Lake were more variable (Figure 9.1-249). This is likely because samples were collected from a variety of locations in Frying Pan Lake, incorporating shallow and deep areas as well as areas of high and low sedimentation, while typically only one or two locations were sampled at the other lakes. Therefore, the low variability of pH from the other lakes is, in part, an artifact of the differences in sampling regimes between these lakes and Frying Pan Lake.

These graphs also illustrate that many of the calculated medians were below MRLs, indicating the majority of data points are estimated concentrations. This is the case for four parameters including TSS, fluoride, cyanide, and WAD cyanide.

Based on this evaluation, it is clear that Frying Pan Lake has a different signature of constituents than other lakes included in the water quality program. Because Frying Pan Lake incorporates drainage from upper elevations around the deposit area, this lake is enriched in minerals that result in baseline conditions outside of criteria for a small subset of elements and parameters.

9.1.11. Summary

Between 2004 and 2008, water quality was evaluated for the North Fork Koktuli River, South Fork Koktuli River, Upper Talarik Creek, Kaskanak Creek, seeps within each of the three major drainages, and lakes in the mine study area. Over 1,000 samples were collected across the rivers and creeks, more than 600 samples from seeps, and approximately 50 samples from lakes.

In rivers, concentrations of most constituents differed significantly across drainages. Four of the evaluated field and physical parameters (TDS, pH, alkalinity, and TSS) were significantly different across river systems. Five major ions, including sodium, sulfate, chloride, fluoride, and hardness (as $CaCO_3$), and one nutrient (total nitrate+nitrite [as N]), also differed significantly across river systems. Of the trace elements evaluated, only two (cadmium and lead) were not significantly different across river systems.

These findings are primarily explained by the proximity of South Fork Koktuli River and Upper Talarik Creek sampling locations to the deposit area. The relative ranks (i.e., highest to lowest concentrations) for each waterbody differed by analyte. Sulfate, copper, zinc, nickel, and molybdenum concentrations were greatest in the South Fork Koktuli River, consistent with the headwaters of this river passing through the deposit area and multiple sample locations present in this area. TDS, pH, sodium, alkalinity, hardness, nitrogen (total nitrate+nitrite [as N]), and nickel concentrations were greatest in the Upper Talarik Creek drainage. Significantly higher concentrations of copper, molybdenum, nickel, zinc, and sulfate were also present in the South Fork Koktuli River than in the North Fork Koktuli River, consistent with its proximity to the deposit area. The Upper Talarik, which in the uppermost reach also passes through a portion of the general deposit area, also had significantly higher concentrations of all of these NOCs, except copper, than in the North Fork Koktuli River.

TSS, potassium, chloride, iron, and arsenic concentrations were highest in Kaskanak Creek, while cadmium and lead concentrations were highest in the North Fork Koktuli River drainage. This most likely indicates these parameters are unrelated to the general deposit area and represent different signatures than the other drainage areas.

Many NOCs, particularly trace elements, exhibited seasonal patterns of higher concentrations across all three main river systems during periods associated with snowmelt in the spring and heavy rains in the fall. Fewer NOCs, primarily major ions, showed either small or no differences seasonally.

In seeps, five ions were consistently most abundant and had the highest mean concentrations in the seep water collected in all three drainages. These include total and dissolved sodium, magnesium, potassium, calcium, and sulfate. In general, mean concentrations of trace metals were lowest in seeps located in the North Fork Koktuli River drainage. The highest concentrations were divided between seeps located in the

South Fork Koktuli River and Upper Talarik Creek drainages, likely due to their partial proximity to the general deposit area. Trace elements of particular note are the wide range of aluminum and copper concentrations. Total aluminum concentrations from North Fork Koktuli seep samples had a mean of 0.025 mg/L, while total aluminum from South Fork Koktuli seep samples had a mean of 0.50 mg/L. Total copper concentrations from North Fork Koktuli seep samples had a mean of 0.00037 mg/L, and total copper concentrations from South Fork Koktuli seep samples had a mean of 0.12 mg/L.

Major ion and trace element concentrations in seeps showed considerable variability within and across the three drainages. The range of concentrations of the constituents in seeps is primarily due to the effect of drainage subsurface water conditions. These drainages differ in geological formation, elevations in relation to the deposit area, presence of binding substances such as ions (i.e., sulfates, chloride ions), suspended and dissolved solids, ORP, water hardness, pH, and groundwater-to-surface water discharge rates.

It appears that peak concentrations in the seeps are related either to: (1) spring snowmelt, or (2) shallow groundwater in the late summer/early fall. This time of year is when aquifers are recharged from precipitation during the summer; water levels drop during the winter.

Concentrations of constituents discharged through seeps are at least, in part, dependent on the water velocity of the seep. Although a few constituents showed direct or inverse relationships with seep flow, the majority had concentrations that appear independent of seep flow. Of the constituents that demonstrated a trend, more exhibit an inverse relationship with flow than a direct one, except in the Upper Talarik drainage.

Frying Pan Lake has a different signature of constituents than other lakes included in the water quality program. Because Frying Pan Lake incorporates drainage from upper elevations around the deposit area, this lake is enriched in minerals that result in baseline conditions outside of criteria for a small subset of elements and parameters.

Based on this evaluation, it is clear that each of the major river systems has significantly different constituent background concentrations, and many constituents vary in concentration both seasonally and across locations.

9.1.12. References

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TABLES

TABLE 9.1-1
Cominco Project MRL and Pebble Project MRL Comparison, Mine Study Area

Parameter	Cominco MRL (µg/L)	Pebble MRL (µg/L)	Percent Reduction [a] (%)
Major Ions (mg/L)			
Calcium	50	50	0
Magnesium	10	20	-50
Sodium	100	100	0
Potassium	2000	50	4000
Metals (mg/L)			
Aluminum	50	25	200
Barium	5	0.3	1667
Iron	20	20	0
Copper	10	0.2	5000
Zinc	10	1.5	667
Lead	2	0.2	1000
Cadmium	3	0.1	3000
Arsenic	5	0.5	1000
Nickel	20	0.2	10000
Molybdenum	10	1	1000
Manganese	5	1	500
Antimony	50	0.2	25000
Beryllium	5	0.03	16667
Chromium	5	0.2	2500
Cobalt	10	0.1	10000
Mercury	0.5	0.001	50000
Selenium	5	1	500
Silver	10	0.02	50000
Thallium	5	0.05	10000
Vanadium	10	0.4	2500

Notes:
[a] Percent reduction is calculated as follows: (Cominco MRL/Pebble MRL)*100.

Key:
MRL = method reporting limit.
µg/L = micrograms per liter.

TABLE 9.1-2

Period-of-Record Index by Sample Location, Surface Water Program, Mine Study Area

Sample Location	Year	Period of Record by Discipline																																		
		Hydrology												Water Quality												Sediment											
	Month	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
KC100A	2004					I	I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F					
	2006	I	I	I		C	C	C	C	C	C		I		Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007		I	I	I	C	C	C	C	C	C	I	I		Q	Q	Q	Q																			
	2008	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
KR100A	2004				I		I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q									F		F			
	2005			I			I	I	I	I	I					Q			Q	Q	Q	Q	Q														
	2006	I		I			I	I			I		I			Q			Q	Q			Q		Q												
	2007		I	I	I	I	I	I	I	I	I	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008		I	I	I	I	I	I	I	I	I	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
NK100A (USGS)	2004						I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F					
	2006			I	C	C	C	C	C	C	C				Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007				C	C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
NK100A1	2004																																				
	2005																																				
	2006																																				
	2007		I	I	I	C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
NK100B	2004								I	I	I						Q	Q			Q	Q	Q								F						
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q								F	F		F			
	2006		I	I		I	I	I	I	I	I		I		Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007		I			C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
NK100C	2004				I	I		I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I		C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F		F			
	2006		I	I		C	C	C	C	C	C		I		Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007		I			C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												

TABLE 9.1-2

Period-of-Record Index by Sample Location, Surface Water Program, Mine Study Area

Sample Location	Year	Period of Record by Discipline																																			
		Hydrology												Water Quality												Sediment											
	Month	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
NK100D	2004					I											Q	Q																			
	2005																																				
	2006																																				
	2007																																				
	2008																																				
NK119A	2004				I		I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I		C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F					
	2006	I	I	I		C	C	C	C	C	C		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007		I	I	C	C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
NK119B	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q														
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q														
	2006		I	I																																	
	2007		I	I	I	I	C	C	C	C	C	I	I				Q	Q	Q			Q	Q	Q	Q												
	2008	I	I	I	C	C	C	C	C	C	C	I	I																								
SK100A	2004				I		I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F						
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F					
	2006		I	I		C	C	C	C	C	C		I		Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I	I	C	C	C	C	C	C	C		I	Q	Q	Q	Q	Q	Q	Q		Q	Q	Q	Q												
	2008	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
SK100B (USGS)	2004				I		I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F					
	2006		I	I	C	C	C	C	C	C	C		I		Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I		C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008		I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
SK100B1	2004																																				
	2005									I	I	C	C									Q	Q														
	2006	C	C	C	C	C	C	C	C	C	C	C	I		Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												

TABLE 9.1-2

Period-of-Record Index by Sample Location, Surface Water Program, Mine Study Area

Sample Location	Year	Period of Record by Discipline																																		
		Hydrology												Water Quality												Sediment											
	Month	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
SK100B2	2004																																				
	2005					I	I	I	I	I	I								Q	Q	Q	Q	Q														
	2006		I	I		I	I	I	I	I	I		I		Q			Q	Q	Q	Q	Q	Q		Q												
	2007	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q			Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
SK100C	2004						I	I	C	C	C						Q	Q	Q	Q			Q								F	F		F			
	2005	I		I		C	C	C	C	C	C			Q				Q	Q	Q		Q	Q								F	F					
	2006			I		I	C	C	C	C	C		I					Q	Q	Q	Q	Q	Q		Q												
	2007		I	I	I	C	C	C	C	C	C	I	I					Q	Q	Q		Q	Q	Q	Q												
	2008	I	I	I	C	C	C	C	C	C	C	I	I				Q	Q																			
SK100D	2004						I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q											F			
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q														
	2006		I	I			I	I	I	I	I		I						Q	Q	Q	Q	Q		Q												
	2007	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	I								Q	Q	Q		Q																			
SK100E	2004																	Q																			
	2005																																				
	2006																																				
	2007																																				
	2008																																				
SK100F	2004					I	I	I	C	C	C							Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I		C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F						
	2006	I	I	I		C	C	C	C	C	C		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
SK100G	2004				I	I	I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F	F	F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F					
	2006	I	I	I		C	C	C	C	C	C		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												

TABLE 9.1-2

Period-of-Record Index by Sample Location, Surface Water Program, Mine Study Area

Sample Location	Year	Period of Record by Discipline																																		
		Hydrology												Water Quality										Sediment												
	Month	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
SK100H (SK136A)	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q														
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q														
	2006	I	I	I		I	I	I	I	I	I			Q	Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007		I	I	I	I	I	I	I	I	I	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	I								Q	Q	Q	Q	Q																			
SK100I (SK136B)	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q														
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q														
	2006		I	I		I	I	I	I	I	I		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007		I	I	I	I	I	I	I	I	I	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	I								Q	Q	Q	Q	Q																			
SK116A	2004																																				
	2005																																				
	2006																																				
	2007																																				
	2008									I	I	I	I									Q	Q	Q	Q												
SK117A	2004																																				
	2005																																				
	2006																																				
	2007																																				
	2008									I	I	I	I									Q	Q	Q	Q												
SK119A	2004				I	I	I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F						
	2006		I	I		C	C	C	C	C	C		I		Q	Q		Q	Q	Q	Q		Q		Q												
	2007		I		I	C	C	C	C	C	C	I	I	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q																				
SK124A	2004																																				
	2005	I		I		C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q														
	2006	I	I	I			C	C	C	C	C		I	Q	Q	Q			Q	Q	Q		Q		Q												
	2007	I	I	I		C	C	C	C	C	C	I	I	Q				Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I		C	C	C	C	C	I	I					Q																				

TABLE 9.1-2

Period-of-Record Index by Sample Location, Surface Water Program, Mine Study Area

Sample Location	Year	Period of Record by Discipline																																			
		Hydrology												Water Quality												Sediment											
	Month	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
SK131A	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q									F		F			
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q															
	2006		I	I		I	I	I	I	I	I		I		Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007	I	I	I		I	I	I	I	I	I	I	I	Q	Q			Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	I								Q	Q	Q	Q	Q																				
SK133A	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q															
	2005			I		I	I	I	I	I	I							Q	Q	Q	Q	Q	Q															
	2006		I	I		I	I	I	I	I	I		I		Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007		I	I	I	I	I	I	I	I	I	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	I								Q	Q	Q	Q	Q																				
SK134A	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q															
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q															
	2006	I	I	I		I	I	I	I	I	I		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007		I	I	I	I	I	I	I	I	I	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
UT100A	2004					I			I	I	I						Q	Q			Q	Q	Q										F					
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q			Q															
	2006			I			I	I		I						Q			Q	Q	Q	Q	Q		Q													
	2007			I		I	I	I							Q	Q	Q	Q	Q	Q																	
	2008																																				
UT100B (USGS)	2004					I	I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F	F	F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F		F			
	2006		I	I	C	C	C	C	C	C	C		I		Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
UT100C	2004					I												Q	Q		Q										F						
	2005																																				
	2006																																				
	2007		I	I	I	C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008		I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													

TABLE 9.1-2

Period-of-Record Index by Sample Location, Surface Water Program, Mine Study Area

Sample Location	Year	Period of Record by Discipline																																		
		Hydrology												Water Quality												Sediment											
	Month	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
UT100C1	2004																																				
	2005																																				
	2006																																				
	2007		I	I	I	C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q																				
UT100C2	2004																																				
	2005																																				
	2006																																				
	2007		I			C	C	C	C	C	C	I	I		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q												
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q																				
UT100D	2004				I	I	I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I		C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F	F		F			
	2006		I	I		C	C	C	C	C	C	I	I		Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I			C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
UT100D1	2004																																				
	2005																																				
	2006																																				
	2007																																				
	2008									I	I	I	I									Q	Q	Q	Q													
UT100E	2004				I	I	I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F						
	2006	I	I	I		C	C	C	C	C	C		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
UT119A	2004				I	I	I	I	C	C	C						Q	Q	Q	Q	Q	Q	Q								F	F		F			
	2005	I		I	C	C	C	C	C	C	C			Q		Q		Q	Q	Q	Q	Q	Q								F						
	2006	I	I	I		C	C	C	C	C	C		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q												
	2007	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	C	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													

TABLE 9.1-2

Period-of-Record Index by Sample Location, Surface Water Program, Mine Study Area

Sample Location	Year	Period of Record by Discipline																																			
		Hydrology												Water Quality												Sediment											
	Month	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
UT119B	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q															
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q									F						
	2006	I	I	I		I	I	I	I	I	I		I	Q	Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	I								Q	Q	Q	Q	Q																				
UT135A	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q															
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q															
	2006		I			I	I	I	I	I			I		Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007		I			C	C	C	C	C	C	I	I		Q				Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	C	C	C	C	C	C	I	I	Q	Q	Q	Q	Q																				
UT135B	2004																	Q																				
	2005																																				
	2006																																				
	2007																																				
	2008																																				
UT138A	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q									F		F			
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q															
	2006		I	I		I	I	I	I	I	I		I		Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007	I	I		I	I	I	I	I	I	I	I	I	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	I								Q	Q	Q	Q	Q																				
UT141A	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q									F		F			
	2005			I		I	I	I	I	I	I					Q		Q	Q	Q	Q	Q	Q									F						
	2006		I	I		I	I	I	I	I	I		I		Q	Q		Q	Q	Q	Q	Q	Q		Q													
	2007	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	I								Q	Q	Q	Q	Q																				
UT146A	2004				I	I	I	I	I	I	I						Q	Q	Q	Q	Q	Q	Q									F		F			
	2005	I		I		I	I	I	I	I	I			Q		Q		Q	Q	Q	Q	Q	Q															
	2006		I			I	I	I	I	I	I		I		Q			Q	Q	Q	Q	Q	Q		Q													
	2007	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q													
	2008	I	I	I	I	I	I	I	I	I	I	I	I	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													

Key:

C Continuous stage/discharge hydrometric data collected in streams (gaged stations with dataloggers).

F Sediment samples collected.

I Instantaneous stream discharge measurements taken each month coincident with water quality (ungaged stations without dataloggers).

Q Surface-water quality samples collected for field and laboratory analyses.

TABLE 9.1-3
Baseline Surface Water Analytes for Laboratory Determination

Analyte	Method	Method Reporting Limit
Field and Physical Parameters		
Total dissolved solids	E160.1	10 mg/L
Total suspended solids	E160.2	0.5 mg/L
Major Ions		
Calcium, total and dissolved	200.7	50 µg/L
Sodium, total and dissolved	E200.7/200.8	100 µg/L
Potassium, total and dissolved	E200.7/200.8	50 µg/L
Alkalinity	SM20 2320B	10 mg/L
Sulfate	E300.0	0.1 mg/L
Chloride	E300.0	0.1 mg/L
Fluoride	E300.0	0.1 mg/L
Acidity	E305.1	NA
Nutrients		
Total Ammonia - N	E350.2	0.1 mg/L
Nitrate + nitrite	E300.0	0.1 mg/L
Phosphorus - Total Orthophosphate (as P)	E365.2	0.1 mg/L
Trace Elements		
Aluminum, total and dissolved	E200.8	25 µg/L
Antimony, total and dissolved	E200.8	0.2 µg/L
Arsenic, total and dissolved	E200.8	0.5 µg/L
Barium, total and dissolved	E200.8	0.3 µg/L
Beryllium, total and dissolved	E200.8	0.4 µg/L
Bismuth, total and dissolved	E200.8	5 µg/L
Boron, total and dissolved	E200.7	10 µg/L
Cadmium, total and dissolved	E200.8	0.1 µg/L
Chromium, total and dissolved	E200.8	0.2 µg/L
Cobalt, total and dissolved	E200.8	0.1 µg/L
Copper, total and dissolved	E200.8	0.2 µg/L
Iron, total and dissolved	E200.7/200.8	20 µg/L
Lead, total and dissolved	E200.8	0.2 µg/L
Magnesium, total and dissolved	E200.7/200.8	20 µg/L
Manganese, total and dissolved	E200.8	1 µg/L
Mercury, total	E1631	0.001 µg/L
Molybdenum, total and dissolved	E200.8	1 µg/L
Nickel, total and dissolved	E200.8	0.2 µg/L
Selenium, total and dissolved	E200.8	1 µg/L
Silicon, dissolved	E200.7	500 µg/L
Silver, total and dissolved	E200.8	0.2 µg/L
Thallium, total and dissolved	E200.8	0.05 µg/L
Tin, total and dissolved	E200.8	1 µg/L
Vanadium, total and dissolved	E200.8	0.4 µg/L
Zinc, total and dissolved	E200.8	1.5 µg/L

TABLE 9.1-3
Baseline Surface Water Analytes for Laboratory Determination

Analyte	Method	Method Reporting Limit
Cyanides		
Cyanide - total	SM20 4500	0.005 mg/L
Cyanide - WAD	SM20 4500	0.005 mg/L

Key:

E = Environmental Protection Agency (EPA), Methods for Chemical Analysis of Inorganic Substances in Environmental Samples, EPA/600/R-93-100, August 1993, and Methods for the Determination of Metals in Environmental Samples, EPA/600/4-91-010, June.

µg/L = micrograms per liter.

mg/L = milligrams per liter.

NA = not applicable.

SM = American Public Health Association, Standard Methods for the Examination of Water.

SOP = standard operating procedure.

WAD = weak acid dissociable.

TABLE 9.1-4
Rationale for Selection of Seeps Evaluated for Spatial and Temporal Trends

Seep Location	Importance Index	Velocity Category [a]	Electrical Conductivity	Water Quality [b] pH	Water Quality [b] Temperature	Water Quality [b] Water Type	Geology [c] Bedrock	Geology [c] Surface	Watershed	Elevation (ft amsl)	Comments
North Fork Koktuli River Drainage (7 total)											
SP31	Medium	High	Low	Low	Normal		Tert. Volc.	Bedrock	NK	1310-1640	Moderate to high elevation
SP44	High	Low	Low	Moderate	Normal	Mix	Batholith	Drift	NK	1310-1640	Batholith drift
SP53	Medium	Medium	Moderate	Low	Normal	Mix	Batholith	Drift	NK	1310-1640	Moderate to high elevation
SP57	Medium	High	Low	Moderate	Normal		Q	Alluv	NK	655-985	Quaternary alluvium
SP99	Medium	Low	Low	Low	Normal		Batholith	Colluv	NK	655-985	Batholith colluvium
SP100	Medium	High	Low	Low	Normal		Q	Drift	NK	655-985	Quaternary drift
SP113	Medium	Low	Moderate	Moderate	Normal	Mix	Basalt	Bedrock	NK	1310-1640	Only one in basalt bedrock
South Fork Koktuli River Drainage (9 total)											
SP1[d]	High	Low	Moderate	Moderate	Normal	Mix	Silt-Mud	Bedrock	SK	1310-1640	Siltstone-mud bedrock
SP26	High	Lowest	Moderate	Very Low	Normal	SO4	D-P	Bedrock	SK	985-1310	High importance, SO4 water type, D-P bedrock, pit area
SP41	High	Medium	Moderate	Very Low	Normal	SO4	Silt-Mud	Drift	SK	655-985	High importance, SO4 water type, siltstone - mudstone drift, pit area
SP86	High	Medium	Low	Low	Normal	SO4	Silt-Mud	Bedrock	SK	655-985	High importance, SO4 water type, siltstone - mudstone bedrock
SP93	High	Medium	Moderate	Moderate	Normal		Tert. Volc.	Bedrock	SK	>1640	High importance, high elevation, Tert, volc. Bedrock
SP96	High	Medium	Moderate	Moderate	Normal		Tert. Volc.	Bedrock	SK	985-1310	High importance, Tert.volc. Bedrock
SP101	High	Medium	Low	Low	Normal		Basalt	Alluv	SK	985-1310	High importance, basalt alluv, low pH
SP104	High	Medium	Very Low	Very Low	High	Mix	Batholith	Bedrock	SK	>1640	High importance, high elevation seep, only one from batholith bedrock
SP112	High	Medium	Moderate	Moderate	Normal	SO4	Silt-Mud	Bedrock	SK	985-1310	High importance, SO4 water type, siltstone - mudstone bedrock

TABLE 9.1-4
Rationale for Selection of Seeps Evaluated for Spatial and Temporal Trends

Seep Location	Importance Index	Velocity Category [a]	Electrical Conductivity	Water Quality [b] pH	Water Quality [b] Temperature	Water Quality [b] Water Type	Geology [c] Bedrock	Geology [c] Surface	Watershed	Elevation (ft amsl)	Comments
Upper Talarik Creek Drainage (12 total)											
SP2 [d]	High	Medium	Low	Moderate	Normal		Tert. Volc.	Bedrock	UT	985-1310	High importance, Tert.volc. Bedrock
SP18 [d]	High	High	Moderate	High	Normal		Q	GL	UT	<655	High importance, good coverage at lower end of catchment
SP40	High	High	Moderate	Moderate	Normal	Mix	Q	Drift	UT	985-1310	High importance, Q drift, UTC area at pit
SP62	High	Medium	Moderate	Low	Normal	Mix	D-P	Drift	UT	985-1310	High importance, D-P drift, low pH
SP66	Medium	Medium	High	Moderate	Normal		Tert. Volc.	Drift	UT	985-1310	High EC, Tert volc.drift
SP73	High	High	Moderate	Moderate	Normal		Batholith	GL	UT	985-1310	High importance, only one in batholith GL
SP75	High	High	Low	Moderate	High		Q	GL	UT	655-985	High importance, high flow, in area where injection may be proposed
SP78	High	High	Moderate	High	Normal	*	Q	GL	UT	655-985	High importance, Q GL, high flow
SP84	High	Medium	Moderate	High	Normal	*	Q	Alluv	UT	<655	High importance, only one in Q alluv
SP108	High	High	Moderate	Moderate	Normal		Q	GL	UT	655-985	High importance, Q GL, high flow
SP109	High	High	Moderate	Moderate	Normal		Q	Drift	UT	<655	High importance, Q drift, high flow
SP116	High	Low	Moderate	Moderate	Normal	Mix	Q	Drift	UT	985-1310	High importance, Q drift, deposit area

Notes:

[a] Velocity categories are defined as follows (in L/s, during low flow season):
Lowest = <0.3 Low = <1 Moderate = 1 to 5 High = >5

[b] Water quality categories are defined as follows:

Electrical Conductivity:	pH:	Temperature (degC):	Water Type:
Very Low = <0.03	Very Low = <5	Normal = 2-4	Mix = HCO3-SO4
Low = <0.05	Low = <6	High = >6.5	Blank = HCO3
Moderate = 0.05-100	Moderate = 6 to 8	Very High = >8.5	* = elevated trace metals (Cu, Mo, As)
High = >100	High = >8		

[c] Geology categories are defined as follows:
Silt-Mud = siltstone, mudstone D-P = diorite and pyroxenite GL = glacio-lacustrine Colluv = colluvium
Tert. Volc. = tertiary volcanics Q = overburden Alluv = alluvium

[d] Seep locations SP1, SP2, and SP18 were excluded from spatial analyses because only field data were available for these locations.

Key:
> = greater than.
degC = degrees Celsius.
ft amsl = feet above mean sea level.
L/s = liters per second.
NK = North Fork Koktuli.
SK = South Fork Koktuli.
µS/cm = microSiemens per centimeter.
UT = Upper Talarik.

Table 9.1-5
Surface Water Data Summary for Naturally Occurring Constituents, North Fork Koktuli River

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	230 / 233	99%	3.75 - 126	10.0 - 10.3	3.10 - 3.20	37.0	37.5	13.0	0.35
pH (Field, Standard Units)	241 / 241	100%	4.72 - 8.36	-- - --	-- - --	6.74	6.77	0.65	0.10
Dissolved Oxygen	234 / 234	100%	5.83 - 14.6	-- - --	-- - --	10.20	10.31	1.97	0.19
Water Temperature (deg C)	232 / 239	97%	-0.17 - 19.0	-- - --	-- - --	4.39	1.85	4.92	1.12
Specific Conductivity (Field, uS/cm)	237 / 237	100%	7.0 - 88	-- - --	-- - --	45.9	46.0	14.4	0.31
Turbidity (NTU)	222 / 222	100%	0.10 - 23.9	-- - --	-- - --	1.33	0.77	2.39	1.79
Total Suspended Solids	189 / 233	81%	0.15 - 32.4	0.50 - 2.08	0.15 - 0.63	1.39	0.82	2.65	1.90
ORP (mV)	237 / 237	100%	-182 - 345	-- - --	-- - --	133	154	91.9	0.69
Field and Physical Parameters: Totals									0.81
Major Ions (mg/L)									
Calcium (dissolved)	227 / 227	100%	1.69 - 15.6	0.050 - 0.25	0.015 - 0.075	5.09	5.07	1.80	0.35
Calcium (total)	233 / 233	100%	1.74 - 14.0	0.050 - 0.25	0.015 - 0.079	5.03	5.08	1.74	0.35
Magnesium (dissolved)	227 / 227	100%	0.35 - 4.36	0.0050 - 0.18	0.0016 - 0.059	1.32	1.34	0.58	0.44
Magnesium (total)	232 / 232	100%	0.37 - 4.17	0.0050 - 0.22	0.0016 - 0.071	1.31	1.31	0.59	0.45
Sodium (dissolved)	227 / 227	100%	0.99 - 4.62	0.070 - 0.25	0.022 - 0.078	2.38	2.45	0.55	0.23
Sodium (total)	232 / 232	100%	1.18 - 4.51	0.10 - 0.19	0.031 - 0.061	2.35	2.41	0.54	0.23
Potassium (dissolved)	222 / 222	100%	0.096 - 1.15	0.0040 - 0.13	0.0014 - 0.038	0.41	0.42	0.16	0.39
Potassium (total)	232 / 232	100%	0.081 - 1.10	0.0040 - 0.080	0.0014 - 0.029	0.39	0.41	0.16	0.40
Alkalinity, Total	239 / 240	99.6%	5.00 - 38.0	10.0 - 20.0	3.10 - 6.20	20.5	22.0	7.79	0.38
Sulfate	233 / 233	100%	0.53 - 9.56	0.10 - 0.10	0.031 - 0.031	2.26	2.03	1.27	0.56
Chloride	233 / 233	100%	0.34 - 1.38	0.10 - 0.10	0.031 - 0.031	0.66	0.65	0.16	0.25
Fluoride	111 / 233	48%	0.017 - 0.14	0.10 - 0.10	0.031 - 0.031	0.030	0.031	0.019	0.63
Hardness as CaCO3 (Filtered)	30 / 30	100%	5.66 - 24.2	0.50 - 1.25	0.50 - 1.25	14.4	14.1	5.15	0.36
Hardness as CaCO3 (Not Filtered)	233 / 233	100%	5.87 - 52.2	0.50 - 1.53	0.16 - 1.00	17.9	18.1	6.68	0.37
Major Ions: Totals									0.39
Nutrients (mg/L)									
Total Ammonia - N	48 / 233	21%	0.016 - 0.17	0.10 - 0.20	0.031 - 0.062	0.032	0.016	0.028	0.88
Nitrate+Nitrite	172 / 224	77%	0.021 - 3.94	0.10 - 2.00	0.031 - 2.00	0.20	0.086	0.44	2.22
Total Phosphorus	186 / 233	80%	0.0054 - 0.34	0.0070 - 0.10	0.0022 - 0.031	0.024	0.016	0.034	1.39
Total Orthophosphate (as P)	0 / 40	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients : Totals									1.50

Table 9.1-5
Surface Water Data Summary for Naturally Occurring Constituents, North Fork Koktuli River

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	221 / 233	95%	0.0036 - 0.42	0.00020 - 0.025	0.000070 - 0.0078	0.039	0.023	0.053	1.38
Antimony	93 / 233	40%	0.0000080 - 0.0056	0.000010 - 0.00020	0.0000031 - 0.000077	0.000094	0.000017	0.00049	5.23
Barium	233 / 233	100%	0.00093 - 0.013	0.000050 - 0.00030	0.000025 - 0.000094	0.0034	0.0033	0.0013	0.38
Iron	232 / 232	100%	0.026 - 1.03	0.0080 - 0.020	0.0027 - 0.0062	0.22	0.21	0.16	0.73
Copper	231 / 232	100%	0.00015 - 0.0036	0.000060 - 0.0012	0.000021 - 0.00042	0.00042	0.00031	0.00041	0.98
Zinc	158 / 231	68%	0.00065 - 0.20	0.00050 - 0.0015	0.00026 - 0.00047	0.0026	0.0014	0.013	5.00
Lead	69 / 232	30%	0.000026 - 0.012	0.000050 - 0.00020	0.000022 - 0.00010	0.00022	0.000050	0.00092	4.12
Cadmium	22 / 233	9%	0.0000068 - 0.00013	0.000020 - 0.00010	0.0000062 - 0.000037	0.000014	0.0000078	0.000015	1.09
Arsenic	76 / 233	33%	0.000099 - 0.00079	0.000040 - 0.00050	0.000012 - 0.00031	0.00023	0.00016	0.00015	0.63
Nickel	157 / 232	68%	0.00010 - 0.0036	0.000090 - 0.00020	0.000030 - 0.000062	0.00022	0.00020	0.00025	1.15
Molybdenum	197 / 232	85%	0.000039 - 0.00099	0.000020 - 0.0010	0.0000062 - 0.00031	0.00017	0.00016	0.00010	0.59
Manganese	231 / 232	99.6%	0.00088 - 0.11	0.000040 - 0.0010	0.000013 - 0.00050	0.014	0.011	0.014	1.04
Mercury	70 / 232	30%	0.00000037 - 0.0000056	0.0000010 - 0.0000050	0.000000060 - 0.0000015	0.0000012	0.00000075	0.0000010	0.84
Total Metals: Totals									1.78
Dissolved Metals (mg/L)									
Aluminum	202 / 230	88%	0.0029 - 0.058	0.00020 - 0.063	0.000070 - 0.020	0.013	0.0099	0.011	0.82
Antimony	108 / 218	50%	0.0000052 - 0.00031	0.000010 - 0.00050	0.0000031 - 0.000193	0.000026	0.000021	0.000033	0.80
Barium	204 / 204	100%	0.00076 - 0.012	0.000050 - 0.00075	0.000025 - 0.00024	0.0031	0.0030	0.0011	0.35
Iron	223 / 230	97%	0.0099 - 0.44	0.0080 - 0.050	0.0027 - 0.016	0.11	0.097	0.074	0.68
Copper	160 / 164	98%	0.00017 - 0.0029	0.000060 - 0.00050	0.000021 - 0.00016	0.00039	0.00032	0.00033	0.84
Zinc	128 / 162	79%	0.00075 - 0.0075	0.00050 - 0.0038	0.00026 - 0.0012	0.0018	0.0017	0.0012	0.64
Lead	42 / 192	22%	0.000016 - 0.062	0.000050 - 0.00050	0.000022 - 0.00025	0.00039	0.000050	0.0045	11.4
Cadmium	14 / 230	6%	0.0000093 - 0.000047	0.000020 - 0.0001	0.0000062 - 0.000037	0.000012	0.0000078	0.0000072	0.61
Arsenic	55 / 231	24%	0.000081 - 0.00070	0.000040 - 0.0013	0.000012 - 0.00063	0.00020	0.00016	0.00011	0.57
Nickel	127 / 146	87%	0.00012 - 0.0042	0.000090 - 0.00050	0.000030 - 0.00016	0.00030	0.00027	0.00034	1.14
Molybdenum	174 / 209	83%	0.000025 - 0.0032	0.000020 - 0.001	0.0000062 - 0.00031	0.00019	0.00016	0.00023	1.22
Manganese	222 / 222	100%	0.00051 - 0.21	0.000040 - 0.0025	0.000013 - 0.0013	0.010	0.0072	0.017	1.67
Dissolved Metals: Totals									1.73

Table 9.1-5
Surface Water Data Summary for Naturally Occurring Constituents, North Fork Koktuli River

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Cyanides (mg/L)									
Cyanide, Total	17 / 232	7%	0.0015 - 0.15	0.0050 - 0.0050	0.0015 - 0.0025	0.0019	0.0013	0.0098	5.03
Cyanide, Weak Acid Dissociable	29 / 232	13%	0.0020 - 0.012	0.0050 - 0.0050	0.0015 - 0.0025	0.0015	0.0013	0.0013	0.91
Organic Compounds (mg/L)									
Dissolved Organic Carbon	98 / 99	99%	0.50 - 4.55	0.50 - 0.50	0.15 - 0.15	1.50	1.38	0.77	0.51

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = microSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-6
Surface Water Data Summary for Naturally Occurring Constituents, South Fork Koktuli River

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	598 / 600	99.7%	6.25 - 120	0.50 - 5.00	0.15 - 5.00	44.0	40.0	18.2	0.41
pH (Field, Standard Units)	605 / 605	100%	4.36 - 8.85	-- - --	-- - --	7.00	6.98	0.32	0.045
Dissolved Oxygen	599 / 599	100%	2.22 - 18.2	-- - --	-- - --	10.2	10.2	2.11	0.21
Water Temperature (deg C)	601 / 612	98%	-0.20 - 23.5	-- - --	-- - --	4.77	2.77	4.89	1.02
Specific Conductivity (Field, uS/cm)	607 / 607	100%	1.00 - 12.0	-- - --	-- - --	55.5	49	24.3	0.44
Turbidity (NTU)	569 / 569	100%	0.070 - 24.4	-- - --	-- - --	1.85	0.97	2.95	1.59
Total Suspended Solids	538 / 601	90%	0.10 - 69.4	0.50 - 5.00	0.15 - 5.00	2.21	1.03	4.70	2.13
ORP (mV)	588 / 589	99.8%	-259 - 875	-- - --	-- - --	126	136	101	0.80
Field and Physical Parameters: Totals									0.87
Major Ions (mg/L)									
Calcium (dissolved)	594 / 594	100%	1.56 - 17.2	0.050 - 1.04	0.015 - 0.33	6.34	5.65	2.64	0.42
Calcium (total)	601 / 601	100%	1.65 - 27.3	0.050 - 2.00	0.015 - 0.60	6.36	5.69	2.72	0.43
Magnesium (dissolved)	594 / 594	100%	0.28 - 3.90	0.0050 - 0.19	0.0016 - 0.063	1.41	1.10	0.78	0.56
Magnesium (total)	601 / 601	100%	0.28 - 4.20	0.0050 - 0.21	0.0016 - 0.067	1.41	1.10	0.79	0.56
Sodium (dissolved)	596 / 596	100%	0.73 - 5.55	0.10 - 0.50	0.031 - 0.16	2.35	2.09	0.82	0.35
Sodium (total)	601 / 601	100%	0.80 - 11.9	1.00 - 2.00	0.040 - 0.48	2.35	2.06	0.90	0.38
Potassium (dissolved)	588 / 588	100%	0.12 - 1.07	0.0040 - 0.25	0.0014 - 0.075	0.38	0.33	0.17	0.46
Potassium (total)	601 / 601	100%	0.10 - 1.09	0.0040 - 0.25	0.0014 - 0.075	0.38	0.32	0.18	0.47
Alkalinity, Total	609 / 611	99.7%	4.50 - 64.9	2.00 - 20.0	1.00 - 6.20	17.4	15.6	7.45	0.43
Sulfate	601 / 601	100%	0.62 - 89.5	0.000010 - 0.00013	0.0000043 - 0.000063	8.78	5.96	7.60	0.87
Chloride	601 / 601	100%	0.27 - 2.16	0.10 - 0.50	0.031 - 0.16	0.69	0.68	0.18	0.26
Fluoride	362 / 601	60%	0.016 - 0.23	0.10 - 0.50	0.031 - 0.16	0.050	0.050	0.017	0.35
Hardness as CaCO3 (Filtered)	70 / 70	100%	5.25 - 40.6	0.50 - 1.25	0.50 - 1.25	19.6	17.0	9.14	0.47
Hardness as CaCO3 (Not Filtered)	601 / 601	100%	5.53 - 60.1	0.48 - 4.00	0.15 - 4.00	21.6	18.7	9.52	0.44
Major Ions: Totals									0.46
Nutrients (mg/L)									
Total Ammonia - N	119 / 601	20%	0.017 - 0.40	0.020 - 0.10	0.0062 - 0.031	0.054	0.050	0.028	0.51
Nitrate+Nitrite	496 / 587	84%	0.031 - 6.74	0.10 - 2.00	0.030 - 0.62	0.23	0.14	0.41	1.77
Total Phosphorus	483 / 600	81%	0.0032 - 0.53	0.0070 - 0.10	0.0022 - 0.031	0.023	0.016	0.037	1.58
Total Orthophosphate (as P)	0 / 129	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Total									1.29

TABLE 9.1-6
Surface Water Data Summary for Naturally Occurring Constituents, South Fork Koktuli River

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	574 / 601	96%	0.0019 - 1.10	0.00020 - 0.025	0.000070 - 0.0078	0.050	0.028	0.088	1.76
Antimony	337 / 601	56%	0.0000081 - 0.0065	0.000010 - 0.00025	0.0000031 - 0.000077	0.00011	0.000025	0.00047	4.17
Barium	601 / 601	100%	0.0011 - 0.016	0.000050 - 0.00030	0.000025 - 0.00013	0.0043	0.0037	0.0022	0.52
Iron	573 / 601	95%	0.0078 - 2.64	0.0080 - 0.20	0.0027 - 0.062	0.30	0.22	0.30	1.00
Copper	596 / 601	99%	0.00010 - 0.020	0.000060 - 0.00050	0.000021 - 0.00016	0.0017	0.0012	0.0018	1.05
Zinc	491 / 601	82%	0.00057 - 0.027	0.00050 - 0.0050	0.00026 - 0.0016	0.0028	0.0019	0.0031	1.12
Lead	194 / 601	32%	0.000023 - 0.014	0.000050 - 0.00050	0.000022 - 0.00016	0.00028	0.000050	0.0011	3.99
Cadmium	96 / 600	16%	0.0000077 - 0.00033	0.000020 - 0.0001	0.0000062 - 0.00007	0.000015	0.00000775	0.000021	1.37
Arsenic	204 / 601	34%	0.000088 - 0.0019	0.000040 - 0.0025	0.000012 - 0.0016	0.00035	0.00025	0.00021	0.61
Nickel	470 / 601	78%	0.000068 - 0.0018	0.000090 - 0.0010	0.000030 - 0.00031	0.00035	0.00029	0.00026	0.73
Molybdenum	585 / 601	97%	0.000070 - 0.0043	0.000020 - 0.0010	0.0000062 - 0.00031	0.00065	0.00044	0.00063	0.97
Manganese	597 / 601	99%	0.00014 - 0.22	0.000040 - 0.00104	0.000013 - 0.00050	0.025	0.016	0.028	1.09
Mercury	182 / 600	30%	0.00000019 - 0.000033	0.0000010 - 0.0000050	0.000000060 - 0.0000015	0.0000022	0.0000025	0.0000016	0.75
Total metals : Totals									1.47
Dissolved Metals (mg/L)									
Aluminum	514 / 588	87%	0.0020 - 0.049	0.00020 - 0.063	0.000070 - 0.020	0.011	0.0099	0.0077	0.68
Antimony	239 / 572	42%	0.0000098 - 0.0053	0.000010 - 0.0005	0.0000031 - 0.000193	0.000053	0.000025	0.00023	0.23
Barium	557 / 557	100%	0.0010 - 0.010	0.000050 - 0.00075	0.000025 - 0.00024	0.0041	0.0035	0.0020	0.48
Iron	541 / 590	92%	0.0035 - 1.00	0.0080 - 0.050	0.0027 - 0.016	0.12	0.085	0.13	1.01
Copper	507 / 513	99%	0.000092 - 0.016	0.000060 - 0.00050	0.000021 - 0.00016	0.0013	0.0011	0.0011	0.88
Zinc	376 / 438	86%	0.00096 - 0.023	0.00050 - 0.0050	0.00026 - 0.0016	0.0027	0.0021	0.0027	1.02
Lead	118 / 477	25%	0.000025 - 0.00072	0.000050 - 0.00050	0.000022 - 0.00025	0.000087	0.000050	0.000076	0.87
Cadmium	56 / 593	9%	0.0000073 - 0.000097	0.000020 - 0.00025	0.0000062 - 0.000078	0.000013	0.00000775	0.000009	0.68
Arsenic	145 / 595	24%	0.000045 - 0.0013	0.000040 - 0.0013	0.000012 - 0.00063	0.00031	0.00025	0.00018	0.57
Nickel	325 / 364	89%	0.00010 - 0.0015	0.000090 - 0.00050	0.000030 - 0.00016	0.00041	0.00035	0.00025	0.61
Molybdenum	544 / 564	96%	0.000057 - 0.0044	0.000020 - 0.0025	0.0000062 - 0.00078	0.00066	0.00045	0.00065	0.98
Manganese	578 / 578	100%	0.000081 - 0.12	0.000040 - 0.0025	0.000013 - 0.0013	0.020	0.011	0.023	1.14
Dissolved metals : Totals									0.76

TABLE 9.1-6
Surface Water Data Summary for Naturally Occurring Constituents, South Fork Koktuli River

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Cyanides (mg/L)									
Cyanide, Total	51 / 598	9%	0.00085 - 0.058	0.0050 - 0.010	0.0015 - 0.0030	0.0028	0.0025	0.0030	1.09
Cyanide, Weak Acid Dissociable	56 / 598	9%	0.0015 - 0.043	0.0050 - 0.010	0.0015 - 0.0060	0.0027	0.0025	0.0018	0.68
Organic Compounds (mg/L)									
Dissolved Organic Carbon	207 / 222	93%	0.22 - 4.09	0.50 - 0.50	0.15 - 0.15	1.36	1.19	0.84	0.62

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = microSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

Table 9.1-7
Surface Water Data Summary for Naturally Occurring Constituents, Upper Talarik Creek

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	482 / 485	99%	10.0 - 138	5.00 - 10.0	3.10 - 5.00	51.2	48.8	19.0	0.37
pH (Field, Standard Units)	509 / 509	100%	4.50 - 8.2	-- - --	-- - --	7.0	7.0	0.53	0.08
Dissolved Oxygen	502 / 502	100%	2.69 - 18.6	-- - --	-- - --	10.5	10.4	1.90	0.18
Water Temperature (deg C)	504 / 504	100%	-0.36 - 15.7	-- - --	-- - --	4.04	2.53	3.97	0.98
Specific Conductivity (Field, uS/cm)	499 / 499	100%	10.0 - 150	-- - --	-- - --	73.4	72.0	25.2	0.34
Turbidity (NTU)	464 / 464	100%	0.070 - 18.5	-- - --	-- - --	1.75	1.00	2.29	1.31
Total Suspended Solids	456 / 486	94%	0.20 - 42.7	0.50 - 12.5	0.15 - 5.00	2.52	1.30	4.00	1.58
ORP (mV)	503 / 504	99.8%	-214 - 519	-- - --	-- - --	111	112	91.2	0.82
Field and Physical Parameters: Totals									0.74
Major Ions (mg/L)									
Calcium (dissolved)	483 / 483	100%	2.11 - 17.3	0.050 - 1.04	0.0060 - 0.33	8.77	9.00	2.61	0.30
Calcium (total)	486 / 486	100%	2.12 - 69.3	0.050 - 2.00	0.0060 - 0.60	8.91	8.94	3.74	0.42
Magnesium (dissolved)	480 / 480	100%	0.35 - 4.67	0.0050 - 0.21	0.00070 - 0.067	2.12	1.90	0.97	0.46
Magnesium (total)	486 / 486	100%	0.32 - 12.6	0.0050 - 0.22	0.00070 - 0.071	2.13	1.87	1.07	0.50
Sodium (dissolved)	481 / 481	100%	0.85 - 6.73	0.070 - 0.25	0.020 - 0.078	2.82	2.67	0.90	0.32
Sodium (total)	486 / 486	100%	0.84 - 22.2	0.10 - 1.00	0.020 - 0.31	2.85	2.67	1.25	0.44
Potassium (dissolved)	473 / 473	100%	0.10 - 1.20	0.0040 - 0.40	0.0014 - 0.050	0.44	0.41	0.19	0.43
Potassium (total)	486 / 486	100%	0.12 - 2.46	0.0040 - 0.50	0.0014 - 0.15	0.44	0.39	0.21	0.49
Alkalinity, Total	493 / 497	99%	6.00 - 74.0	2.0 - 40.0	1.00 - 12.4	31.8	32.0	10.7	0.34
Sulfate	484 / 486	99.6%	0.31 - 41.6	0.10 - 2.00	0.012 - 0.18	5.48	2.89	7.82	1.43
Chloride	486 / 486	100%	0.28 - 3.82	0.10 - 0.20	0.016 - 0.060	0.70	0.69	0.20	0.29
Fluoride	304 / 484	63%	0.017 - 0.20	0.10 - 0.20	0.0050 - 0.060	0.039	0.036	0.024	0.61
Hardness as CaCO3 (Filtered)	63 / 63	100%	8.77 - 58.0	0.50 - 5.00	0.50 - 5.00	26.5	24.8	11.0	0.42
Hardness as CaCO3 (Not Filtered)	486 / 486	100%	7.19 - 62.2	0.40 - 20.0	0.10 - 20.0	30.6	30.9	9.83	0.32
Major Ions: Totals									0.48
Nutrients (mg/L)									
Total Ammonia - N	113 / 486	23%	0.016 - 1.03	0.050 - 0.10	0.0090 - 0.031	0.036	0.016	0.057	1.57
Nitrate+Nitrite	413 / 469	88%	0.032 - 4.13	0.050 - 2.00	0.0050 - 0.62	0.25	0.18	0.34	1.38
Total Phosphorus	372 / 486	77%	0.0040 - 0.23	0.0070 - 0.10	0.0022 - 0.031	0.019	0.016	0.019	0.97
Total Orthophosphate (as P)	0 / 96	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Totals									1.31

Table 9.1-7
Surface Water Data Summary for Naturally Occurring Constituents, Upper Talarik Creek

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	461 / 486	95%	0.0029 - 0.84	0.00020 - 0.063	0.000070 - 0.020	0.075	0.033	0.11	1.46
Antimony	263 / 486	54%	0.0000052 - 0.0259	0.000010 - 0.00050	0.0000031 - 0.00019	0.00021	0.000027	0.0016	7.72
Barium	486 / 486	100%	0.0019 - 0.056	0.000050 - 0.00075	0.0000090 - 0.00025	0.0061	0.0055	0.0033	0.54
Iron	473 / 486	97%	0.0062 - 2.45	0.0080 - 0.20	0.0020 - 0.062	0.28	0.20	0.26	0.92
Copper	451 / 486	93%	0.000074 - 0.016	0.000060 - 0.0010	0.000020 - 0.00031	0.00057	0.00030	0.0010	1.78
Zinc	320 / 486	66%	0.00050 - 0.021	0.00050 - 0.010	0.000080 - 0.0031	0.0022	0.0015	0.0029	1.31
Lead	142 / 486	29%	0.000016 - 0.038	0.000020 - 0.0010	0.0000030 - 0.00031	0.00037	0.000050	0.0021	5.70
Cadmium	40 / 481	8%	0.0000041 - 0.00031	0.000020 - 0.00025	0.0000050 - 0.000078	0.000013	0.0000078	0.000017	1.31
Arsenic	292 / 486	60%	0.00012 - 0.015	0.000040 - 0.0050	0.000012 - 0.0031	0.00084	0.00047	0.0010	1.19
Nickel	444 / 486	91%	0.000090 - 0.0040	0.000090 - 0.0020	0.000030 - 0.00062	0.00052	0.00035	0.00060	1.16
Molybdenum	413 / 486	85%	0.000017 - 0.022	0.000020 - 0.0025	0.0000062 - 0.00078	0.00025	0.00018	0.0010	4.06
Manganese	484 / 486	99.6%	0.00019 - 0.14	0.000040 - 0.0025	0.0000060 - 0.0013	0.026	0.017	0.028	1.07
Mercury	135 / 483	28%	0.00000018 - 0.0000098	0.0000010 - 0.0000050	########## - 0.0000015	0.0000012	0.00000075	0.0000011	0.89
Total Metals : Totals									2.35
Dissolved Metals (mg/L)									
Aluminum	417 / 479	87%	0.0019 - 0.14	0.00020 - 0.063	0.000070 - 0.020	0.013	0.0094	0.014	1.10
Antimony	283 / 473	60%	0.0000054 - 0.000284	0.000010 - 0.00050	0.0000031 - 0.00019	0.000043	0.000028	0.000041	1.05
Barium	472 / 472	100%	0.0016 - 0.015	0.000050 - 0.00075	0.0000090 - 0.00024	0.0055	0.0051	0.0023	0.41
Iron	440 / 479	92%	0.0034 - 0.60	0.0080 - 0.050	0.0020 - 0.016	0.11	0.096	0.095	0.83
Copper	336 / 350	96%	0.000070 - 0.0023	0.000060 - 0.00050	0.000020 - 0.00016	0.00042	0.00030	0.00038	0.89
Zinc	264 / 361	73%	0.00051 - 0.025	0.00050 - 0.0038	0.000080 - 0.0012	0.0020	0.0016	0.0022	1.09
Lead	97 / 399	24%	0.000018 - 0.0012	0.000020 - 0.00050	0.0000030 - 0.00025	0.000067	0.000050	0.00010	1.53
Cadmium	34 / 479	7%	0.0000076 - 0.000093	0.000020 - 0.00025	0.0000050 - 0.000078	0.000012	0.0000078	0.0000096	0.77
Arsenic	268 / 484	55%	0.000089 - 0.0027	0.000040 - 0.0013	0.000012 - 0.00063	0.00067	0.00036	0.00066	0.98
Nickel	320 / 327	98%	0.00011 - 0.0038	0.000090 - 0.00050	0.000030 - 0.00016	0.00063	0.00042	0.00066	1.04
Molybdenum	379 / 436	87%	0.000020 - 0.00062	0.000020 - 0.0025	0.0000062 - 0.00078	0.00020	0.00018	0.00010	0.51
Manganese	468 / 469	99.8%	0.00013 - 0.14	0.000040 - 0.0025	0.0000060 - 0.0013	0.021	0.012	0.025	1.19
Dissolved Metals : Totals									0.95
Cyanides (mg/L)									
Cyanide, Total	53 / 485	11%	0.0010 - 0.041	0.0050 - 0.010	0.00090 - 0.0030	0.0015	0.0013	0.0025	1.62
Cyanide, Weak Acid Dissociable	53 / 484	11%	0.0010 - 0.040	0.0050 - 0.010	0.00090 - 0.0060	0.0015	0.00075	0.0024	1.57

Table 9.1-7
Surface Water Data Summary for Naturally Occurring Constituents, Upper Talarik Creek

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Organic Compounds (mg/L)									
Dissolved Organic Carbon	181 / 191	95%	0.16 - 8.18	0.50 - 0.50	0.070 - 0.15	1.57	1.29	1.29	0.82

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL - method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = microSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-8
Surface Water Data Summary for Naturally Occurring Constituents, Kaskanak Creek

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	41 / 41	100%	30.0 - 116	10.0 - 10.0	3.10 - 3.10	44.3	43.8	13.9	0.31
pH (Field, Standard Units)	41 / 41	100%	5.78 - 8.24	-- - --	-- - --	6.67	6.61	0.54	0.080
Dissolved Oxygen	39 / 39	100%	1.65 - 14.0	-- - --	-- - --	10.3	10.4	2.18	0.21
Water Temperature (deg C)	40 / 41	98%	-0.14 - 11.9	-- - --	-- - --	4.19	3.14	4.02	0.96
Specific Conductivity (Field, uS/cm)	40 / 41	98%	20.0 - 68.0	-- - --	-- - --	47.4	49.0	11.4	0.24
Turbidity (NTU)	38 / 38	100%	0.69 - 22.2	-- - --	-- - --	2.55	1.47	3.53	1.38
Total Suspended Solids	41 / 41	100%	0.60 - 34.2	0.50 - 2.94	0.15 - 0.88	5.01	3.13	7.28	1.45
ORP (mV)	39 / 39	100%	-162 - 282	-- - --	-- - --	93.0	106	100	1.08
Field and Physical Parameters: Totals	39 / 39	100%	-162 - 282	-- - --	-- - --	93.0	106	100	0.81
Major Ions (mg/L)									
Calcium (dissolved)	40 / 40	100%	1.95 - 7.29	0.050 - 0.23	0.015 - 0.075	5.25	5.56	1.20	0.23
Calcium (total)	41 / 41	100%	2.17 - 7.23	0.050 - 0.20	0.015 - 0.065	5.28	5.42	1.13	0.21
Magnesium (dissolved)	40 / 40	100%	0.53 - 1.84	0.0050 - 0.21	0.0016 - 0.067	1.35	1.39	0.29	0.22
Magnesium (total)	41 / 41	100%	0.62 - 1.87	0.0050 - 0.18	0.0016 - 0.058	1.36	1.43	0.27	0.20
Sodium (dissolved)	40 / 40	100%	1.29 - 3.35	0.070 - 0.18	0.022 - 0.058	2.58	2.70	0.47	0.18
Sodium (total)	41 / 41	100%	1.38 - 3.45	0.10 - 0.16	0.031 - 0.050	2.58	2.67	0.46	0.18
Potassium (dissolved)	39 / 39	100%	0.30 - 0.84	0.0040 - 0.050	0.0014 - 0.016	0.48	0.47	0.10	0.21
Potassium (total)	41 / 41	100%	0.32 - 0.94	0.0040 - 0.050	0.0014 - 0.016	0.48	0.48	0.11	0.24
Alkalinity, Total	42 / 43	98%	6.00 - 30.0	10.0 - 40.0	3.10 - 12.4	22.3	24.0	6.31	0.28
Sulfate	41 / 41	100%	0.66 - 2.43	0.10 - 0.10	0.031 - 0.031	1.53	1.54	0.43	0.28
Chloride	41 / 41	100%	0.68 - 1.37	0.10 - 0.10	0.031 - 0.031	0.99	0.96	0.17	0.17
Fluoride	30 / 41	73%	0.031 - 0.11	0.10 - 0.10	0.031 - 0.031	0.040	0.039	0.020	0.49
Hardness as CaCO3 (Filtered)	6 / 6	100%	7.07 - 21.4	0.50 - 0.50	0.50 - 0.50	17.1	19.5	5.75	0.34
Hardness as CaCO3 (Not Filtered)	41 / 41	100%	7.96 - 25.5	0.50 - 1.25	0.36 - 1.00	18.8	19.6	3.92	0.21
Major Ions: Totals	41 / 41	100%	7.96 - 25.5	0.50 - 1.25	0.36 - 1.00	18.8	19.6	3.92	0.25
Nutrients (mg/L)									
Total Ammonia - N	10 / 41	24%	0.031 - 0.11	0.10 - 0.10	0.031 - 0.031	0.036	0.016	0.026	0.74
Nitrate+Nitrite	34 / 39	87%	0.035 - 1.90	0.10 - 1.00	0.031 - 0.31	0.24	0.11	0.37	1.58
Total Phosphorus	35 / 41	85%	0.020 - 0.13	0.0070 - 0.10	0.0022 - 0.031	0.041	0.037	0.025	0.62
Total Orthophosphate (as P)	0 / 5	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Totals									0.98

TABLE 9.1-8
Surface Water Data Summary for Naturally Occurring Constituents, Kaskanak Creek

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	40 / 41	98%	0.011 - 1.18	0.00020 - 0.025	0.000070 - 0.0078	0.091	0.047	0.19	2.05
Barium	41 / 41	100%	0.0011 - 0.011	0.000050 - 0.00030	0.000025 - 0.000094	0.0021	0.0017	0.0016	0.73
Iron	41 / 41	100%	0.21 - 3.62	0.0080 - 0.020	0.0027 - 0.0062	0.63	0.49	0.59	0.94
Copper	40 / 41	98%	0.00013 - 0.0012	0.000060 - 0.00020	0.000021 - 0.000062	0.00029	0.00022	0.00019	0.66
Zinc	28 / 41	68%	0.00061 - 0.013	0.00050 - 0.0015	0.00026 - 0.00047	0.0020	0.0015	0.0022	1.10
Lead	15 / 41	37%	0.000050 - 0.0021	0.000050 - 0.00020	0.000022 - 0.00010	0.00016	0.000050	0.00036	2.23
Cadmium	4 / 41	10%	0.000011 - 0.000090	0.000020 - 0.00010	0.0000062 - 0.000037	0.000014	0.0000078	0.000014	1.00
Arsenic	41 / 41	100%	0.00094 - 0.0073	0.000040 - 0.00050	0.000012 - 0.00031	0.0018	0.0017	0.0010	0.55
Nickel	26 / 41	63%	0.00015 - 0.00051	0.000090 - 0.00020	0.000030 - 0.000062	0.00022	0.00021	0.00013	0.58
Molybdenum	40 / 41	98%	0.00013 - 0.00060	0.000020 - 0.0010	0.0000062 - 0.00031	0.00036	0.00038	0.00011	0.30
Manganese	41 / 41	100%	0.0077 - 0.070	0.000040 - 0.0010	0.000013 - 0.00050	0.017	0.014	0.012	0.69
Antimony	25 / 41	61%	0.000017 - 0.0016	0.000010 - 0.00020	0.0000031 - 0.000077	0.000072	0.000033	0.00025	3.44
Mercury	13 / 41	32%	0.00000042 - 0.0000067	0.0000010 - 0.0000050	0.000000060 - 0.0000015	0.0000012	0.00000075	0.0000012	1.02
Total Metals: Totals									1.18
Dissolved Metals (mg/L)									
Aluminum	36 / 40	90%	0.0059 - 0.079	0.00020 - 0.025	0.000070 - 0.0078	0.022	0.015	0.017	0.80
Antimony	28 / 39	72%	0.0000075 - 0.00025	0.000010 - 0.00020	0.0000031 - 0.000077	0.000042	0.000033	0.000041	0.98
Barium	36 / 36	100%	0.0012 - 0.0024	0.000050 - 0.00030	0.000025 - 0.000094	0.0017	0.0016	0.00030	0.18
Iron	40 / 40	100%	0.099 - 0.59	0.0080 - 0.020	0.0027 - 0.0062	0.25	0.25	0.10	0.42
Copper	26 / 27	96%	0.00017 - 0.00059	0.000060 - 0.00020	0.000021 - 0.000062	0.00027	0.00024	0.000094	0.35
Zinc	20 / 28	71%	0.0012 - 0.014	0.00050 - 0.0015	0.00026 - 0.00047	0.0022	0.0017	0.0025	1.13
Lead	10 / 32	31%	0.000041 - 0.00026	0.000050 - 0.00020	0.000022 - 0.00010	0.000068	0.000050	0.000059	0.87
Cadmium	1 / 41	2%	0.000039 - 0.000039	0.000020 - 0.00010	0.0000062 - 0.000037	0.000011	0.0000078	0.0000061	0.54
Arsenic	39 / 40	98%	0.00061 - 0.0020	0.000040 - 0.00050	0.000012 - 0.00031	0.0011	0.0011	0.00033	0.30
Nickel	22 / 25	88%	0.00021 - 0.00055	0.000090 - 0.00020	0.000030 - 0.000062	0.00029	0.00030	0.00012	0.39
Molybdenum	38 / 39	97%	0.00010 - 0.00058	0.000020 - 0.0010	0.0000062 - 0.00031	0.00036	0.00038	0.00012	0.33
Manganese	40 / 40	100%	0.0070 - 0.021	0.000040 - 0.0010	0.000013 - 0.00050	0.012	0.013	0.0032	0.26
Dissolved Metals: Totals									0.55

TABLE 9.1-8
Surface Water Data Summary for Naturally Occurring Constituents, Kaskanak Creek

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Cyanides (mg/L)									
Cyanide, Total	6 / 41	15%	0.0015 - 0.059	0.0050 - 0.0050	0.0015 - 0.0025	0.0028	0.0013	0.0090	3.26
Cyanide, Weak Acid Dissociable	2 / 41	5%	0.0049 - 0.053	0.0050 - 0.0050	0.0015 - 0.0025	0.0024	0.00075	0.0081	3.38
Organic Compounds (mg/L)									
Dissolved Organic Carbon	13 / 13	100%	0.89 - 3.25	0.50 - 0.50	0.15 - 0.15	2.00	1.88	0.79	0.40

Notes:
[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set
[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:
-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = microSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-9
Input Values for Preliminary Estimates for Hardness-Dependent Freshwater Aquatic Life Criteria Calculations

Analyte	Input Values [a]					
	m_A	b_A	m_C	b_C	Acute CF	Chronic CF
Copper	0.9422	-1.70	0.8545	-1.702	0.96	0.96
Zinc	0.8473	0.88	0.8473	0.884	0.978	0.986
Lead	1.273	-1.46	1.273	-4.705	1.46203-(ln(hardness)*0.145712)	1.46203-(ln(hardness)*0.145712)
Cadmium	1.0166	-3.92	0.7409	-4.719	1.136672-(ln(hardness)*0.041838)	1.101672-(ln(hardness)*0.041838)
Nickel	0.846	2.26	0.846	0.0584	0.998	0.997

Notes:

[a] Values are from ADEC, 2008. The 'm' and 'b' represent the slope and Y-intercept, respectively, of the regression equations. The subscript 'A' and 'C' values are for acute and chronic criteria, respectively.

Key:

ADEC = Alaska Department of Environmental Conservation.

CF = Conversion Factor.

ln = Natural log.

References:

Alaska Department of Environmental Conservation (ADEC), 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

TABLE 9.1-10
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, North Fork Koktuli River

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	233	0	0
pH (Field)	240	79	30
Dissolved Oxygen (Field)	234	19	0
Water Temperature (Field)	239	--	--
Specific Conductivity (Field, uS/cm)	237	--	--
Turbidity (NTU)	222	--	--
Total Suspended Solids	233	--	--
ORP (mV)	232	--	--
Major Ions (mg/L)			
Calcium (dissolved)	227	--	--
Calcium (total)	233	--	--
Magnesium (dissolved)	227	--	--
Magnesium (total)	232	--	--
Sodium (dissolved)	227	--	--
Sodium (total)	232	--	--
Potassium (dissolved)	222	--	--
Potassium (total)	232	--	--
Alkalinity	240	89	--
Sulfate	233	--	0
Chloride	233	0	0
Fluoride	233	--	0
Hardness as CaCO3 (Filtered)	30	--	--
Hardness as CaCO3 (Not Filtered)	233	--	--
Nutrients (mg/L)			
Total Ammonia - N	233	0	--
Nitrate+Nitrite	224	--	0
Total Phosphorus	233	--	--
Total Orthophosphate (as P)	40	--	--

TABLE 9.1-10
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, North Fork Koktuli River

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals (mg/L)			
Aluminum	233	14	--
Barium	233	--	0
Iron	232	1	--
Copper	232	5	--
Zinc	231	2	--
Lead	232	34	0
Cadmium	233	6	0
Arsenic	233	0	0
Nickel	232	0	0
Molybdenum	232	--	--
Manganese	232	--	6
Antimony	230	--	0
Mercury	230	0	0
Dissolved Metals (mg/L)			
Aluminum	230	0	--
Antimony	218	--	--
Barium	204	--	--
Iron	230	0	--
Copper	164	3	--
Zinc	162	0	--
Lead	192	14	--
Cadmium	230	1	--
Arsenic	231	0	--
Nickel	146	0	--
Molybdenum	209	--	--
Manganese	222	--	--

TABLE 9.1-10
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, North Fork Koktuli River

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Cyanides (mg/L)			
Cyanide, Total	232	--	--
Cyanide, Weak Acid Dissociable	232	6	0
Organic Compounds			
Dissolved Organic Carbon	99	--	--

Notes:

[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria are based on preliminary estimates.

Key:

-- = Not applicable.

References:

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-11
Upstream to Downstream Sample Location Ranks for Spatial Analyses, North Fork Koktuli River

Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:
[a] Only main stem sample locations were included in the upstream to downstream ranking and analyses.
[b] Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

TABLE 9.1-12

Results of Spatial Regression Analysis of Median Concentrations for Naturally Occurring Constituents in Surface Water, North Fork Koktuli River

Analyte	Regression Significant Different? [a]	p-Value	R^2 Value	Spatial Trend
Field and Physical Parameters (mg/L, except where noted)				
Total Dissolved Solids	**Yes**	**0.04**	**0.816**	Lower downstream
pH (Field, Standard Units)	No	0.10	0.640	None
Total Suspended Solids	No	0.07	0.718	None
Major Ions (mg/L)				
Sodium	No	0.28	0.0070	None
Potassium	**Yes**	**0.013**	**0.903**	Lower downstream
Alkalinity, Total	No	0.75	0.039	None
Sulfate	No	0.88	0	None
Chloride	No	0.67	0.071	None
Fluoride	No	0.68	0.0020	None
Hardness as CaCO3 (Not Filtered)	No	0.74	0.069	None
Nutrients (mg/L)				
Nitrate+Nitrite	No	0.71	0.0010	None
Metals (mg/L)				
Iron	No	0.066	0.729	None
Copper	No	0.19	0.488	None
Zinc	No	0.14	0.574	None
Lead	No	0.75	0.065	None
Cadmium	No	0.19	0.483	None
Arsenic	No	0.48	0.275	None
Nickel	**Yes**	**0.012**	**0.907**	Lower downstream
Molybdenum	No	0.19	0.6580	None
Cyanides (mg/L)				
Cyanide, Total	No	0.45	0.57	None
Cyanide, Weak Acid Dissociable	No	0.13	0.59	None

Notes:

[a] Differences are considered statistically significant if the p-value is less than 0.050. Linear regression analysis was conducted using the median value from each mainstem sample location. Only detected concentrations were included in the median calculations. Locations were ranked from upstream to downstream for the regression analysis.

Bold indicates a statistically significant result.

p-value represents the probability value; values less than 0.05 are considered statistically significant.

R^2 represents the correlation coefficient; the range of values is from 0 (no correlation between variables) and 1 (perfect correlation)

Key:

-- = Not applicable; analyte not detected at sufficient frequency for spatial regression analysis.

TABLE 9.1-13
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, South Fork Koktuli River

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	600	0	0
pH (Field)	605	195	62
Dissolved Oxygen (Field)	596	39	2
Water Temperature (Field)	611	--	--
Specific Conductivity (Field, uS/cm)	606	--	--
Turbidity (NTU)	569	--	--
Total Suspended Solids	601	--	--
ORP (mV)	580	--	--
Major Ions (mg/L)			
Calcium (dissolved)	594	--	--
Calcium (total)	601	--	--
Magnesium (dissolved)	594	--	--
Magnesium (total)	601	--	--
Sodium (dissolved)	596	--	--
Sodium (total)	601	--	--
Potassium (dissolved)	588	--	--
Potassium (total)	601	--	--
Alkalinity	611	396	--
Sulfate	601	--	0
Chloride	601	0	0
Fluoride	601	--	0
Hardness as CaCO3 (Filtered)	70	--	--
Hardness as CaCO3 (Not Filtered)	601	--	--
Nutrients (mg/L)			
Total Ammonia - N	601	0	--
Nitrate+Nitrite	587	--	0
Total Phosphorus	600	--	--
Total Orthophosphate (as P)	129	--	--

TABLE 9.1-13
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, South Fork Koktuli River

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals (mg/L)			
Aluminum	601	72	--
Antimony	600	--	2
Barium	601	--	0
Iron	601	23	--
Copper	601	249	--
Zinc	601	5	--
Lead	601	93	0
Cadmium	600	14	0
Arsenic	601	0	0
Nickel	601	0	0
Molybdenum	601	--	--
Manganese	601	--	89
Mercury	599	--	2
Dissolved Metals (mg/L)			
Aluminum	588	0	--
Antimony	572	--	--
Barium	557	--	--
Iron	590	0	--
Copper	513	170	--
Zinc	438	3	--
Lead	477	30	--
Cadmium	593	5	--
Arsenic	595	0	--
Nickel	364	0	--
Molybdenum	564	--	--
Manganese	578	--	--

TABLE 9.1-13
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, South Fork Koktuli River

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Cyanides (mg/L)			
Cyanide, Total	598	--	--
Cyanide, Weak Acid Dissociable	598	8	0
Organic Compounds			
Dissolved Organic Carbon	222	--	--

Notes:

[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria are based on preliminary estimates.

Key:

-- = Not available or not applicable.

References:

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-14
Upstream to Downstream Sample Location Ranks
for Spatial Analyses, South Fork Koktuli River

Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

[a] Only main stem sample locations were included in the upstream to downstream ranking and analyses.

[b] Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

[c] SK100H and SK100I were previously known as SK136A and SK136B, respectively.

TABLE 9.1-15
Results of Spatial Regression Analysis of Median Concentrations for Naturally Occurring Constituents in Surface Water, South Fork Koktuli River

Analyte	Regression Significant Different? [a]	p-Value	R^2 Value	Spatial Trend
Field and Physical Parameters (mg/L, except where noted)				
Total Dissolved Solids	**Yes**	**0.0035**	**0.632**	Lower downstream
pH (Field, Standard Units)	No	0.29	0.123	None
Total Suspended Solids	No	0.38	0.085	None
Major Ions (mg/L)				
Sodium	**Yes**	**0.0077**	**0.564**	Lower downstream
Potassium	**Yes**	**0.0028**	**0.649**	Lower downstream
Alkalinity, Total	No	0.36	0.094	None
Sulfate	**Yes**	**0.0031**	**0.641**	Lower downstream
Chloride	No	0.13	0.232	None
Fluoride	**Yes**	**0.011**	**0.528**	Lower downstream
Hardness as CaCO3 (Not Filtered)	**Yes**	**0.019**	**0.472**	Lower downstream
Nutrients (mg/L)				
Nitrate+Nitrite	No	0.51	0.050	None
Metals (mg/L)				
Aluminum				
Barium				
Iron	**Yes**	**<0.0001**	**0.610**	Lower downstream
Copper	**Yes**	**<0.0001**	**0.707**	Lower downstream
Zinc	No	0.10	0.107	None
Lead	No	0.24	0.396	None
Cadmium	No	0.33	0.161	None
Arsenic	No	0.32	0.001	None
Nickel	**Yes**	**<0.0001**	**0.717**	Lower downstream
Molybdenum	**Yes**	**<0.0001**	**0.264**	Lower downstream
Cyanides (mg/L)				
Cyanide, Total	**Yes**	**0.048**	**0.404**	Lower downstream
Cyanide, Weak Acid Dissociable	No	0.17	0.222	None

Notes:

[a] Differences are considered statistically significant if the p-value is less than 0.050. Linear regression analysis was conducted using the median value from each mainstem sample location. Only detected concentrations were included in the median calculations. Locations were ranked from upstream to downstream for the regression analysis.

Bold indicates a statistically significant result.

p-value represents the probability value; values less than 0.05 are considered statistically significant.

R^2 represents the correlation coefficient; the range of values is from 0 (no correlation between variables) and 1 (perfect correlation).

Key:

< = less than.

TABLE 9.1-16
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Upper Talarik Creek

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	485	0	0
pH (Field)	500	77	15
Dissolved Oxygen (Field)	494	9	2
Water Temperature (Field)	501	--	--
Specific Conductivity (Field, uS/cm)	498	--	--
Turbidity (NTU)	459	--	--
Total Suspended Solids	486	--	--
ORP (mV)	478	--	--
Major Ions (mg/L)			
Calcium (dissolved)	483	--	--
Calcium (total)	486	--	--
Magnesium (dissolved)	480	--	--
Magnesium (total)	486	--	--
Sodium (dissolved)	481	--	--
Sodium (total)	486	--	--
Potassium (dissolved)	473	--	--
Potassium (total)	486	--	--
Alkalinity	497	54	--
Sulfate	486	--	0
Chloride	486	0	0
Fluoride	484	--	0
Hardness as CaCO3 (Filtered)	63	--	--
Hardness as CaCO3 (Not Filtered)	486	--	--
Nutrients (mg/L)			
Total Ammonia - N	486	0	--
Nitrate+Nitrite	469	--	0
Total Phosphorus	545	--	--
Total Orthophosphate (as P)	96	--	--

TABLE 9.1-16
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Upper Talarik Creek

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals (mg/L)			
Aluminum	486	107	--
Antimony	486	--	3
Barium	486	--	0
Iron	486	6	--
Copper	486	35	--
Zinc	486	0	--
Lead	486	40	2
Cadmium	481	7	0
Arsenic	486	0	1
Nickel	486	0	0
Molybdenum	486	--	--
Manganese	486	--	71
Silver	486	--	1
Mercury	483	0	0
Dissolved Metals (mg/L)			
Aluminum	479	4	--
Antimony	473	--	--
Barium	472	--	--
Iron	479	0	--
Copper	350	9	--
Zinc	361	0	--
Lead	399	5	--
Cadmium	479	4	--
Arsenic	484	0	--
Nickel	327	0	--
Molybdenum	436	--	--
Manganese	469	--	--

TABLE 9.1-16
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Upper Talarik Creek

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Cyanides (mg/L)			
Cyanide, Total	485	--	--
Cyanide, Weak Acid Dissociable	484	9	0
Organic Compounds			
Dissolved Organic Carbon	191	--	--

Notes:

[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria based on preliminary estimates.

Key:

-- = Not available or not applicable.

References:

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-17
Upstream to Downstream Sample Location Ranks for Spatial Analyses, Upper Talarik Creek

Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

[a] Only main stem sample locations were included in the upstream to downstream ranking and analyses.

[b] Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

TABLE 9.1-18
Results of Spatial Regression Analysis of Median Concentrations for Naturally Occurring Constituents in Surface Water, Upper Talarik Creek

Analyte	Regression Significant Different? [a]	p-Value	R^2 Value	Spatial Trend
Field and Physical Parameters (mg/L, except where noted)				
Total Dissolved Solids	**Yes**	**0.025**	**0.596**	Lower downstream
pH (Field, Standard Units)	No	0.25	0.214	None
Total Suspended Solids	No	0.098	0.390	None
Major Ions (mg/L)				
Sodium	**Yes**	**0.00099**	**0.856**	Lower downstream
Potassium	**Yes**	**0.00035**	**0.897**	Lower downstream
Alkalinity, Total	**Yes**	**0.0021**	**0.815**	Lower downstream
Sulfate	**Yes**	**0.021**	**0.618**	Lower downstream
Chloride	**Yes**	**0.047**	**0.508**	Higher downstream
Fluoride	No	0.34	0.150	None
Hardness as CaCO3 (Not Filtered)	**Yes**	**0.0038**	**0.776**	Lower downstream
Nutrients (mg/L)				
Nitrate+Nitrite	No	0.85	0.006	None
Metals (mg/L)				
Iron	No	0.80	0.012	None
Copper	No	0.48	0.086	None
Zinc	No	0.74	0.019	None
Lead	No	0.78	0.017	None
Cadmium	No	0.16	0.713	None
Arsenic	**Yes**	**0.0022**	**0.869**	Higher downstream
Nickel	No	0.084	0.415	None
Molybdenum	**Yes**	**0.00072**	**0.870**	Higher downstream
Cyanides (mg/L)				
Cyanide, Total	No	0.84	0.012	None
Cyanide, Weak Acid Dissociable	No	0.54	0.138	None

Notes:

[a] Differences are considered statistically significant if the p-value is less than 0.050. Linear regression analysis was conducted using the median value from each mainstem sample location. Only detected concentrations were included in the median calculations. Locations were ranked from upstream to downstream for the regression analysis.

Bold indicates a statistically significant result.

p-value represents the probability value; values less than 0.05 are considered statistically significant.

R2 represents the correlation coefficient; the range of values is from 0 (no correlation between variables) and 1 (perfect correlation).

Key:

-- = Not applicable; analyte not detected at sufficient frequency for spatial regression analysis.

TABLE 9.1-19
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Kaskanak Creek

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	41	0	0
pH (Field)	41	15	6
Dissolved Oxygen (Field)	29	1	1
Water Temperature (Field)	41	--	--
Specific Conductivity (Field, uS/cm)	41	--	--
Turbidity (NTU)	38	--	--
Total Suspended Solids	41	--	--
ORP (mV)	39	--	--
Major Ions (mg/L)			
Calcium (dissolved)	40	--	--
Calcium (total)	41	--	--
Magnesium (dissolved)	40	--	--
Magnesium (total)	41	--	--
Sodium (dissolved)	40	--	--
Sodium (total)	41	--	--
Potassium (dissolved)	39	--	--
Potassium (total)	41	--	--
Alkalinity, Total	43	9	--
Sulfate	41	--	0
Chloride	41	0	0
Fluoride	41	--	0
Hardness as CaCO3 (Filtered)	6	--	--
Hardness as CaCO3 (Not Filtered)	41	--	--
Nutrients (mg/L)			
Total Ammonia - N	41	0	--
Nitrate+Nitrite	39	--	0
Total Phosphorus	41	--	--
Total Orthophosphate (as P)	5	--	--

TABLE 9.1-19
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Kaskanak Creek

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals (mg/L)			
Aluminum	41	7	--
Antimony	40	--	0
Barium	41	--	0
Iron	41	2	--
Copper	41	0	--
Zinc	41	0	--
Lead	41	4	0
Cadmium	41	1	0
Arsenic	41	0	0
Nickel	41	0	0
Molybdenum	41	--	--
Manganese	41	--	1
Mercury	40	0	0
Dissolved Metals (mg/L)			
Aluminum	40	0	--
Antimony	39	--	--
Barium	36	--	--
Iron	40	0	--
Copper	27	0	--
Zinc	28	0	--
Lead	32	1	--
Cadmium	41	0	--
Arsenic	40	0	--
Nickel	25	0	--
Molybdenum	39	--	--
Manganese	40	--	--

TABLE 9.1-19
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Kaskanak Creek

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Cyanides (mg/L)			
Cyanide, Total	41	--	--
Cyanide, Weak Acid Dissociable	41	1	0
Organic Compounds			
Dissolved Organic Carbon	13	--	--

Notes:

[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria based on preliminary estimates.

Key:

-- = Not available or not applicable.

References:

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-20
Differences in Naturally Occurring Constituent Concentrations in Surface Water Across River Systems, Mine Study Area

Analyte	Conduct Pair-wise Comparison? [a]	p-Value	Mean Ranks				Sample Counts			
			NK	SK	UT	KC	NK	SK	UT	KC
Field and Physical Parameters (mg/L, except where noted)										
Total Dissolved Solids	**Yes**	**<0.0001**	**491**	**635**	**816**	**664**	**230**	**598**	**482**	**41**
pH (Field, Standard Units)	**Yes**	**<0.0001**	**654**	**615**	**818**	**568**	**240**	**605**	**500**	**41**
Total Suspended Solids	**Yes**	**<0.0001**	**522**	**589**	**650**	**929**	**189**	**538**	**456**	**41**
Major Ions (mg/L)										
Sodium	**Yes**	**<0.0001**	**640**	**577**	**818**	**785**	**232**	**601**	**486**	**41**
Potassium	**Yes**	**<0.0001**	**694**	**616**	**735**	**916**	**232**	**601**	**486**	**41**
Alkalinity, Total	**Yes**	**<0.0001**	**613**	**467**	**1005**	**730**	**239**	**609**	**493**	**42**
Sulfate	**Yes**	**<0.0001**	**377**	**896**	**596**	**230**	**233**	**601**	**484**	**41**
Chloride	**Yes**	**<0.0001**	**588**	**668**	**696**	**1227**	**233**	**601**	**486**	**41**
Fluoride	**Yes**	**<0.0001**	**322**	**439**	**394**	**414**	**111**	**363**	**305**	**30**
Hardness as CaCO3 (Not Filtered)	**Yes**	**<0.0001**	**449**	**582**	**929**	**512**	**233**	**601**	**486**	**41**
Nutrients (mg/L)										
Nitrate+Nitrite	**Yes**	**<0.0001**	**425**	**537**	**645**	**480**	**172**	**496**	**413**	**34**
Total Phosphorus	**Yes**	**<0.0001**	**573**	**531**	**501**	**908**	**187**	**484**	**373**	**35**
Metals (mg/L)										
Iron	**Yes**	**<0.0001**	**584**	**670**	**652**	**1051**	**232**	**573**	**473**	**41**
Copper	**Yes**	**<0.0001**	**480**	**871**	**502**	**322**	**231**	**596**	**451**	**40**
Zinc	**Yes**	**0.0011**	**427**	**529**	**493**	**448**	**158**	**491**	**320**	**28**
Lead	No	0.689	220	214	202	198	69	194	142	15
Cadmium	No	0.72	92	80	80	79	22	96	40	4
Arsenic	**Yes**	**<0.0001**	**154**	**200**	**393**	**507**	**76**	**204**	**292**	**41**
Nickel	**Yes**	**<0.0001**	**294**	**575**	**621**	**382**	**157**	**470**	**444**	**26**
Molybdenum	**Yes**	**<0.0001**	**294**	**879**	**391**	**746**	**197**	**585**	**413**	**40**

TABLE 9.1-20
Differences in Naturally Occurring Constituent Concentrations in Surface Water Across River Systems, Mine Study Area

Analyte	Conduct Pair-wise Comparison? [a]	p-Value	Mean Ranks				Sample Counts			
			NK	SK	UT	KC	NK	SK	UT	KC
Cyanides (mg/L)										
Cyanide, Total	No	0.88	62	68	70	62	17	55	56	6
Cyanide, Weak Acid Dissociable	No	0.15	78	76	68	132	29	59	57	2

Notes:

[a] Analytes were retained for further evaluation if the p-value was less than 0.10. The nonparametric Kruskall-Wallis test was used for statistical comparisons. Only detected concentrations were included in the statistical comparisons.

Bold indicates analytes retained for further evaluation using the pair-wise Mann-Whitney test.

Key:

< = less than.

KC = Kaskanak Creek.

NK = North Fork Koktuli River.

SK = South Fork Koktuli River.

UT = Upper Talarik Creek.

TABLE 9.1-21
Differences in Naturally Occurring Constituent Concentrations in Surface Water Between Paired River Systems, Mine Study Area

	Drainages					
	KC - NK	**KC - SK**	**KC - UT**	**NK - SK**	**NK - UT**	**SK - UT**
Analyte	**p-Value [a]**					
Field and Physical Parameters (mg/L, except where noted)						
Total Dissolved Solids	**0.00067**	0.45	**0.0016**	**<0.0001**	**<0.0001**	**<0.0001**
pH (Field)	0.26	0.44	**0.00011**	0.26	**<0.0001**	**<0.0001**
Total Suspended Solids	**<0.0001**	**<0.0001**	**<0.0001**	**0.032**	**<0.0001**	**0.0077**
Major Ions (mg/L)						
Sodium	**0.0034**	**0.00079**	0.33	**0.0053**	**<0.0001**	**<0.0001**
Potassium	**0.0011**	**<0.0001**	**0.0014**	**0.028**	0.40	**<0.0001**
Alkalinity	**0.032**	**<0.0001**	**<0.0001**	**<0.0001**	**<0.0001**	**<0.0001**
Sulfate	**<0.0001**	**<0.0001**	**<0.0001**	**<0.0001**	**<0.0001**	**<0.0001**
Chloride	**<0.0001**	**<0.0001**	**<0.0001**	**0.0088**	**0.00037**	0.22
Fluoride	**0.028**	0.47	0.58	**<0.0001**	**0.0059**	**0.016**
Hardness as CaCO3	0.13	0.62	**<0.0001**	**<0.0001**	**<0.0001**	**<0.0001**
Nutrients (mg/L)						
Nitrate+Nitrite	0.43	0.24	**0.0092**	**<0.0001**	**<0.0001**	**<0.0001**
Total Phosphorus	**<0.0001**	**<0.0001**	**<0.0001**	0.12	**0.0054**	0.18
Metals (mg/L)						
Iron	**<0.0001**	**<0.0001**	**<0.0001**	**0.0052**	**0.029**	0.47
Copper	**0.00011**	**<0.0001**	**0.0012**	**<0.0001**	0.88	**<0.0001**
Zinc	0.77	0.15	0.45	**<0.0001**	**0.021**	0.094
Arsenic	**<0.0001**	**<0.0001**	**<0.0001**	**0.0066**	**<0.0001**	**<0.0001**
Nickel	0.14	**0.0030**	**0.00010**	**<0.0001**	**<0.0001**	0.056
Molybdenum	**<0.0001**	**0.00042**	**<0.0001**	**<0.0001**	**<0.0001**	**<0.0001**

Notes:

[a] Differences are considered statistically significant if the p-value is less than 0.050.
The nonparametric Mann-Whitney U-test was used for statistical comparisons.
Only detected concentrations were included in the statistical comparisons.

Bold indicates a statistically significant difference.

Key:

< = less than.
KC = Kaskanak Creek.
NK = North Fork Koktuli River.
SK = South Fork Koktuli River.
UT = Upper Talarik Creek.

TABLE 9.1-22
Surface Water Data Summary for Naturally Occurring Constituents, Seeps Across the Mine Study Area

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	640 / 648	99%	5.00 - 290	10.0 - 20.0	3.10 - 10.0	49.4	42.8	29.5	0.60
pH (Field, Standard Units)	641 / 641	100%	2.28 - 8.67	-- - --	-- - --	6.46	6.55	0.95	0.15
Dissolved Oxygen	628 / 628	100%	1.40 - 16.3	-- - --	-- - --	9.38	9.60	1.81	0.19
Water Temperature (deg C)	640 / 640	100%	0.030 - 15.3	-- - --	-- - --	3.41	3.10	1.65	0.48
Specific Conductivity (Field, uS/cm)	640 / 640	100%	6.00 - 420	-- - --	-- - --	68.4	59.0	51.9	0.76
Turbidity (NTU)	637 / 637	100%	0.0090 - 8.13	-- - --	-- - --	0.35	0.15	0.72	2.03
Total Suspended Solids	301 / 648	46%	0.076 - 90.2	0.50 - 40.0	0.15 - 10.0	3.07	2.50	6.44	2.10
ORP (mV)	638 / 638	100%	-183 - 562	-- - --	-- - --	168	182	107	0.64
Field and Physical Parameters: Totals									0.96
Major Ions(mg/L)									
Calcium (dissolved)	630 / 631	99.8%	1.10 - 26.8	0.050 - 5.00	0.015 - 1.00	8.07	7.24	4.50	0.56
Calcium (total)	645 / 648	99.5%	0.58 - 26.5	0.050 - 2.50	0.015 - 0.78	7.81	6.80	4.63	0.59
Magnesium (dissolved)	615 / 621	99%	0.12 - 11.5	0.0050 - 5.00	0.0016 - 1.00	1.67	1.26	1.56	0.94
Magnesium (total)	634 / 648	98%	0.10 - 11.2	0.0050 - 1.00	0.0016 - 0.20	1.58	1.20	1.55	0.98
Sodium (dissolved)	638 / 638	100%	0.58 - 5.90	0.10 - 8.00	0.031 - 2.00	2.42	2.28	0.92	0.38
Sodium (total)	648 / 648	100%	0.51 - 6.20	0.10 - 2.00	0.031 - 0.30	2.35	2.21	0.93	0.40
Potassium (dissolved)	460 / 630	73%	0.052 - 3.98	0.050 - 8.00	0.015 - 2.00	0.50	0.38	0.49	0.98
Potassium (total)	464 / 648	72%	0.056 - 3.82	0.050 - 2.00	0.015 - 0.30	0.52	0.40	0.49	0.94
Alkalinity, Total	581 / 648	90%	1.00 - 116	10.0 - 20.0	2.00 - 6.20	22.8	20.0	18.4	0.81
Sulfate	634 / 648	98%	0.044 - 214	0.10 - 5.00	0.031 - 1.00	9.52	2.83	21.6	2.26
Chloride	647 / 648	99.8%	0.16 - 8.50	0.10 - 3.00	0.031 - 0.50	0.87	0.81	0.47	0.54
Fluoride	318 / 644	49%	0.016 - 0.84	0.10 - 0.50	0.031 - 0.10	0.062	0.050	0.055	0.88
Hardness as CaCO3 (Filtered)	18 / 18	100%	3.39 - 71.5	0.50 - 5.00	0.50 - 5.00	24.2	20.9	16.5	0.68
Hardness as CaCO3 (Not Filtered)	636 / 648	98%	1.87 - 114	0.50 - 7.00	0.50 - 5.00	26.3	24.0	16.7	0.64
Major Ions: Totals									0.83
Nutrients(mg/L)									
Total Ammonia - N	121 / 637	19%	0.016 - 1.51	0.10 - 5.00	0.031 - 0.50	0.052	0.025	0.089	1.73
Nitrate+Nitrite	591 / 630	94%	0.010 - 6.75	0.020 - 1.00	0.0062 - 0.31	0.33	0.19	0.56	1.68
Total Phosphorus	421 / 639	66%	0.0032 - 0.25	0.010 - 0.10	0.0031 - 0.031	0.020	0.012	0.027	1.37
Total Orthophosphate (as P)	1 / 88	1%	0.13 - 0.13	0.10 - 0.10	0.031 - 0.031	0.036	0.050	0.020	0.56
Nutrients: Totals									1.34
Nitrogen, Nitrate (as N)	93 / 107	87%	0.031 - 1.63	0.10 - 0.10	0.031 - 0.031	0.24	0.17	0.28	1.17
Nitrogen, Nitrite	16 / 107	15%	0.016 - 0.060	0.10 - 0.10	0.031 - 0.031	0.023	0.016	0.015	0.62
Total Anions (MEQ/L)	396 / 399	99%	0.020 - 2.36	0.0010 - 0.50	0.0010 - 0.10	0.60	0.50	0.44	0.74
Total Cations (MEQ/L)	397 / 399	99.5%	0.10 - 2.52	0.0010 - 0.50	0.0010 - 0.10	0.64	0.60	0.43	0.67

TABLE 9.1-22
Surface Water Data Summary for Naturally Occurring Constituents, Seeps Across the Mine Study Area

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	573 / 648	88%	0.0015 - 18.2	0.0020 - 0.050	0.00062 - 0.012	0.26	0.012	1.17	4.50
Antimony	197 / 648	30%	0.0000068 - 0.00099	0.000010 - 0.0020	0.0000031 - 0.00040	0.00012	0.00015	0.000097	0.79
Barium	626 / 648	97%	0.000093 - 0.039	0.000050 - 0.00050	0.000025 - 0.00016	0.0045	0.0028	0.0054	1.19
Iron	409 / 648	63%	0.0031 - 10.4	0.020 - 0.10	0.0062 - 0.040	0.13	0.019	0.60	4.54
Copper	377 / 648	58%	0.000074 - 6.41	0.00010 - 0.030	0.000031 - 0.0050	0.043	0.00025	0.34	7.91
Zinc	299 / 648	46%	0.00033 - 0.16	0.00050 - 0.010	0.00026 - 0.0020	0.0043	0.0010	0.011	2.61
Lead	180 / 648	28%	0.000016 - 0.0076	0.000050 - 0.00050	0.000026 - 0.00010	0.00012	0.000050	0.00047	3.91
Cadmium	117 / 644	18%	0.0000075 - 0.0011	0.000050 - 0.00050	0.000015 - 0.00010	0.000041	0.000050	0.000063	1.55
Arsenic	287 / 648	44%	0.00013 - 0.010	0.00050 - 0.0013	0.00025 - 0.00063	0.0012	0.00025	0.0020	1.67
Nickel	351 / 643	55%	0.000050 - 0.15	0.00010 - 0.0030	0.000031 - 0.00060	0.0012	0.00030	0.0065	5.41
Mercury	161 / 637	25%	0.00000017 - 0.000019	0.0000010 - 0.0000050	0.00000010 - 0.0000015	0.0000011	0.00000047	0.0000016	1.45
Molybdenum	342 / 648	53%	0.000015 - 0.015	0.000020 - 0.0030	0.0000062 - 0.00050	0.00055	0.00025	0.0012	2.13
Manganese	437 / 648	67%	0.000038 - 2.56	0.000050 - 0.030	0.000015 - 0.0050	0.016	0.00025	0.12	7.83
Total Metals: Totals									3.50
Dissolved Metals (mg/L)									
Aluminum	452 / 627	72%	0.00099 - 16.6	0.0020 - 0.063	0.00062 - 0.020	0.22	0.0050	1.09	5.06
Barium	482 / 487	99%	0.00026 - 0.041	0.000050 - 0.0010	0.000025 - 0.00024	0.0054	0.0035	0.0059	1.09
Iron	317 / 639	50%	0.0031 - 8.89	0.020 - 0.30	0.0062 - 0.10	0.067	0.010	0.42	6.35
Copper	324 / 543	60%	0.000091 - 6.01	0.00010 - 0.003	0.000031 - 0.0010	0.049	0.00025	0.36	7.28
Zinc	253 / 521	49%	0.00033 - 0.15	0.00050 - 0.010	0.00026 - 0.0020	0.0049	0.0013	0.012	2.39
Lead	166 / 559	30%	0.000016 - 0.0015	0.000050 - 0.00050	0.000026 - 0.00025	0.000074	0.000050	0.000099	1.34
Cadmium	115 / 646	18%	0.0000075 - 0.0010	0.000050 - 0.00050	0.000015 - 0.00010	0.000039	0.000050	0.000060	1.51
Arsenic	253 / 647	39%	0.00013 - 0.0079	0.00050 - 0.0013	0.00025 - 0.00063	0.0011	0.00025	0.0019	1.71
Nickel	264 / 513	51%	0.000031 - 0.040	0.00010 - 0.0030	0.000031 - 0.00060	0.0012	0.00030	0.0032	2.73
Molybdenum	333 / 586	57%	0.000015 - 0.015	0.000020 - 0.003	0.0000062 - 0.0005	0.00055	0.00025	0.0012	2.17
Manganese	327 / 572	57%	0.000033 - 2.43	0.000050 - 0.003	0.000015 - 0.0050	0.013	0.00025	0.11	8.23
Dissolved Metals: Totals									3.62

TABLE 9.1-22
Surface Water Data Summary for Naturally Occurring Constituents, Seeps Across the Mine Study Area

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Cyanides (mg/L)									
Cyanide, Total	68 / 648	10%	0.00075 - 0.057	0.0050 - 0.10	0.0015 - 0.030	0.0028	0.0025	0.0048	1.74
Cyanide, Weak Acid Dissociable	82 / 647	13%	0.001 - 0.064	0.01 - 0.05	0.002 - 0.01	0.00	0.00	0.00	1.60

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MD

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = milliSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-23
Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the North Fork Koktuli River Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	99 / 104	95%	8.75 - 140	10.0 - 20.0	3.10 - 10.0	34.6	30.0	23.6	0.68
pH (Field, Standard Units)	104 / 104	100%	4.42 - 7.25	-- - --	-- - --	6.27	6.31	0.58	0.092
Dissolved Oxygen	104 / 104	100%	2.67 - 12.6	-- - --	-- - --	8.97	9.27	2.08	0.23
Water Temperature (deg C)	104 / 104	100%	0.83 - 10.0	-- - --	-- - --	3.38	2.87	1.83	0.54
Specific Conductivity (Field, uS/cm)	104 / 104	100%	6.00 - 180	-- - --	-- - --	42.9	36.0	31.5	0.73
Turbidity (NTU)	104 / 104	100%	0.060 - 4.50	-- - --	-- - --	0.32	0.16	0.57	1.79
Total Suspended Solids	30 / 104	29%	0.15 - 12.0	0.50 - 20.0	0.15 - 5.00	2.30	2.50	2.35	1.02
ORP (mV)	104 / 104	100%	-65 - 286	-- - --	-- - --	172	181	71.4	0.41
Field and Physical Parameters: Totals									0.87
Major Ions (mg/L)									
Calcium (dissolved)	98 / 98	100%	1.12 - 22.3	0.050 - 1.00	0.015 - 0.20	5.52	4.75	3.96	0.72
Calcium (total)	104 / 104	100%	0.58 - 23.0	0.050 - 1.00	0.015 - 0.20	5.12	4.29	4.06	0.79
Magnesium (dissolved)	89 / 92	97%	0.12 - 7.50	0.020 - 1.00	0.0062 - 0.20	1.26	0.90	1.47	1.17
Magnesium (total)	99 / 104	95%	0.10 - 7.60	0.020 - 1.00	0.0062 - 0.20	1.11	0.75	1.43	1.30
Sodium (dissolved)	99 / 99	100%	0.60 - 5.90	0.10 - 2.00	0.031 - 0.30	2.34	2.22	0.96	0.41
Sodium (total)	104 / 104	100%	0.53 - 6.00	0.10 - 2.00	0.031 - 0.30	2.21	2.19	0.97	0.44
Potassium (dissolved)	60 / 96	63%	0.052 - 1.90	0.050 - 2.00	0.015 - 0.30	0.46	0.33	0.40	0.86
Potassium (total)	63 / 104	61%	0.056 - 2.00	0.050 - 2.00	0.015 - 0.30	0.43	0.30	0.40	0.94
Alkalinity, Total	97 / 104	93%	4.00 - 116	10.0 - 20.0	2.00 - 6.20	19.2	14.1	17.9	0.93
Sulfate	101 / 104	97%	0.044 - 12.7	0.10 - 3.00	0.031 - 0.50	3.00	2.07	2.87	0.96
Chloride	103 / 104	99%	0.32 - 7.70	0.10 - 3.00	0.031 - 0.50	0.84	0.80	0.71	0.84
Fluoride	38 / 104	37%	0.028 - 0.097	0.10 - 0.50	0.031 - 0.10	0.048	0.050	0.016	0.33
Hardness as CaCO3 (Filtered)	2 / 2	100%	3.39 - 8.79	0.50 - 0.50	0.50 - 0.50	6.09	6.09	3.81	0.63
Hardness as CaCO3 (Not Filtered)	101 / 104	97%	1.87 - 87.0	0.50 - 7.00	0.50 - 1.00	17.8	14.4	15.5	0.87
Major Ions: Totals									0.80
Nutrients (mg/L)									
Total Ammonia - N	22 / 104	21%	0.016 - 1.51	0.10 - 5.00	0.031 - 0.50	0.077	0.025	0.17	2.17
Nitrate+Nitrite	92 / 103	89%	0.020 - 1.80	0.020 - 1.00	0.0062 - 0.31	0.17	0.090	0.25	1.50
Total Phosphorus	78 / 104	75%	0.0040 - 0.10	0.010 - 0.10	0.0031 - 0.031	0.020	0.016	0.018	0.89
Total Orthophosphate (as P)	0 / 9	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Totals									1.52

TABLE 9.1-23
Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the North Fork Koktuli River Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	99 / 104	95%	0.0020 - 0.33	0.0020 - 0.025	0.00062 - 0.0078	0.025	0.010	0.043	1.72
Antimony	13 / 104	13%	0.0000075 - 0.00099	0.000050 - 0.0020	0.000015 - 0.00040	0.00013	0.00020	0.00013	0.97
Barium	95 / 104	91%	0.000093 - 0.016	0.000050 - 0.00050	0.000025 - 0.00010	0.0028	0.0023	0.0031	1.08
Iron	64 / 104	62%	0.0031 - 1.13	0.020 - 0.050	0.0062 - 0.020	0.052	0.014	0.13	2.44
Copper	47 / 104	45%	0.00011 - 0.0036	0.00010 - 0.0030	0.000031 - 0.00050	0.00037	0.00025	0.00042	1.14
Zinc	28 / 104	27%	0.00049 - 0.0047	0.0010 - 0.010	0.00031 - 0.0020	0.0012	0.0010	0.0011	0.86
Lead	20 / 104	19%	0.000016 - 0.00039	0.00010 - 0.00050	0.000031 - 0.00010	0.000062	0.000050	0.000071	1.14
Cadmium	10 / 104	10%	0.0000075 - 0.000050	0.000050 - 0.00050	0.000015 - 0.00010	0.000033	0.000050	0.000020	0.60
Arsenic	20 / 104	19%	0.00013 - 0.00080	0.00050 - 0.0010	0.00025 - 0.00050	0.00026	0.00025	0.00016	0.61
Nickel	34 / 104	33%	0.000070 - 0.0010	0.00020 - 0.0030	0.000062 - 0.00060	0.00026	0.00030	0.00013	0.48
Mercury	41 / 104	39%	0.00000017 - 0.0000036	0.0000010 - 0.0000050	0.00000020 - 0.0000015	#########	#########	0.00000086	0.95
Molybdenum	48 / 104	46%	0.000031 - 0.0015	0.000050 - 0.0030	0.000015 - 0.00050	0.00032	0.00025	0.00033	1.03
Manganese	67 / 104	64%	0.000066 - 0.033	0.000050 - 0.0030	0.000015 - 0.00050	0.0014	0.00025	0.0039	2.88
Total Metals: Totals									1.22
Dissolved Metals (mg/L)									
Aluminum	73 / 98	74%	0.0018 - 0.045	0.0020 - 0.025	0.00062 - 0.0078	0.0099	0.0060	0.010	1.03
Barium	56 / 59	95%	0.00080 - 0.018	0.000050 - 0.00050	0.000025 - 0.00010	0.0041	0.0030	0.0036	0.90
Iron	54 / 103	52%	0.0059 - 0.25	0.020 - 0.050	0.0062 - 0.020	0.021	0.010	0.036	1.75
Copper	37 / 88	42%	0.00014 - 0.0011	0.00010 - 0.0030	0.000031 - 0.00050	0.00031	0.00025	0.00016	0.52
Zinc	32 / 80	40%	0.00049 - 0.0050	0.0010 - 0.010	0.00031 - 0.0020	0.0023	0.0015	0.0017	0.74
Lead	22 / 95	23%	0.000016 - 0.00015	0.00010 - 0.00050	0.000031 - 0.00010	0.000059	0.000050	0.000054	0.92
Cadmium	8 / 104	8%	0.0000075 - 0.000050	0.000050 - 0.00050	0.000015 - 0.00010	0.000033	0.000050	0.000020	0.61
Arsenic	15 / 104	14%	0.00013 - 0.0012	0.00050 - 0.0010	0.00025 - 0.00050	0.00025	0.00025	0.00017	0.68
Nickel	41 / 95	43%	0.00013 - 0.0016	0.00020 - 0.0030	0.000062 - 0.00060	0.00039	0.00030	0.00033	0.83
Molybdenum	44 / 91	48%	0.000031 - 0.0014	0.000050 - 0.0030	0.000015 - 0.00050	0.00033	0.00025	0.00034	1.03
Manganese	53 / 95	56%	0.000071 - 0.031	0.000050 - 0.0030	0.000015 - 0.00050	0.0011	0.00025	0.0035	3.32
Dissolved Metals: Totals								0.0035	1.12

TABLE 9.1-23
Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the North Fork Koktuli River Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Cyanides (mg/L)									
Cyanide, Total	8 / 104	8%	0.00075 - 0.0041	0.0050 - 0.030	0.0015 - 0.0050	0.0025	0.0025	0.0030	1.21
Cyanide, Weak Acid Dissociable	14 / 103	14%	0.00075 - 0.0080	0.0050 - 0.050	0.0015 - 0.010	0.0023	0.0025	0.0031	1.31

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = milliSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-24
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, North Fork Koktuli River Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	104	0	0
pH (Field)	104	68	30
Dissolved Oxygen (Field)	104	16	4
Water Temperature (Field)	104	--	--
Specific Conductivity (Field, uS/cm)	104	--	--
Turbidity (NTU)	104	--	--
Total Suspended Solids	104	--	--
ORP (mV)	104	--	--
Major Ions (mg/L)			
Calcium (dissolved)	98	--	--
Calcium (total)	104	--	--
Magnesium (dissolved)		--	--
Magnesium (total)	104	--	--
Sodium (dissolved)		--	--
Sodium (total)	104	--	--
Potassium (dissolved)		--	--
Potassium (total)	104	--	--
Alkalinity	104	67	--
Sulfate	104	--	0
Chloride	104	0	0
Fluoride	104	--	0
Hardness as CaCO3 (Filtered)	2	--	--
Hardness as CaCO3 (Not Filtered)	104	--	--
Nutrients (mg/L)			
Total Ammonia - N	104	0	--
Nitrate+Nitrite	103	--	0
Total Phosphorus	104	--	--
Total Orthophosphate (as P)	9	--	--

TABLE 9.1-24
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, North Fork Koktuli River Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals			
Aluminum	104	6	--
Antimony	104	--	0
Barium	104	--	0
Iron	104	1	--
Copper	104	5	--
Zinc	104	0	--
Beryllium	104	--	0
Bismuth	104	--	--
Boron	104	--	--
Chromium	104	0	0
Cobalt	104	--	--
Lead	104	11	0
Cadmium	104	21	0
Arsenic	104	0	0
Nickel	104	0	0
Molybdenum	104	--	--
Manganese	104	--	0
Mercury		0	0

TABLE 9.1-24
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, North Fork Koktuli River Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Dissolved Metals			
Aluminum	98	0	--
Barium	59	--	--
Iron	103	0	--
Copper	88	3	--
Zinc	80	0	--
Lead	95	8	--
Cadmium	104	21	--
Arsenic	104	0	--
Nickel	95	0	--
Molybdenum	91	--	--
Manganese	95	--	--
Cyanides (mg/L)			
Cyanide, Total	104	--	--
Cyanide, Weak Acid Dissociable	103	4	0

Notes:

[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria based on preliminary estimates.

-- = Not available or not applicable.

References:

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-25
Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the South Fork Koktuli River Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (RDL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	203 / 206	99%	5.00 - 290	10.0 - 20.0	3.10 - 10.0	46.7	37.8	33.8	0.72
pH (Field, Standard Units)	202 / 202	100%	2.99 - 7.92	-- - --	-- - --	6.02	6.22	0.98	0.16
Dissolved Oxygen	201 / 201	100%	1.40 - 16.3	-- - --	-- - --	9.40	9.56	2.02	0.22
Water Temperature (deg C)	202 / 202	100%	0.030 - 15.3	-- - --	-- - --	3.44	3.08	1.95	0.57
Specific Conductivity (Field, uS/cm)	202 / 202	100%	7.00 - 420	-- - --	-- - --	63.7	44.0	59.0	0.93
Turbidity (NTU)	199 / 199	100%	0.050 - 8.13	-- - --	-- - --	0.41	0.14	0.92	2.25
Total Suspended Solids	91 / 206	44%	0.11 - 90.2	0.50 - 20.0	0.15 - 5.00	3.53	2.50	8.32	2.36
ORP (mV)	200 / 200	100%	-132 - 546	-- - --	-- - --	195	205	109	0.56
Field and Physical Parameters: Totals									1.00
Major Ions (mg/L,)									
Calcium (dissolved)	197 / 198	99%	1.10 - 22.5	0.050 - 2.00	0.015 - 0.40	6.48	5.80	3.99	0.62
Calcium (total)	203 / 206	99%	0.65 - 23.3	0.050 - 1.00	0.015 - 0.20	6.10	5.30	4.06	0.67
Magnesium (dissolved)	190 / 193	98%	0.20 - 7.63	0.0050 - 2.00	0.0016 - 0.40	1.33	0.90	1.14	0.86
Magnesium (total)	197 / 206	96%	0.12 - 7.71	0.0050 - 1.00	0.0016 - 0.20	1.23	0.80	1.14	0.93
Sodium (dissolved)	202 / 202	100%	0.58 - 4.79	0.10 - 3.00	0.031 - 0.60	2.02	1.80	0.81	0.40
Sodium (total)	206 / 206	100%	0.51 - 4.70	0.10 - 2.00	0.031 - 0.30	1.94	1.74	0.79	0.41
Potassium (dissolved)	129 / 199	65%	0.092 - 3.10	0.050 - 3.00	0.015 - 0.60	0.54	0.25	0.60	1.11
Potassium (total)	135 / 206	66%	0.069 - 3.15	0.050 - 2.00	0.015 - 0.30	0.53	0.23	0.59	1.10
Alkalinity, Total	165 / 206	80%	1.00 - 70.3	10.0 - 20.0	2.00 - 6.20	12.3	9.03	10.8	0.88
Sulfate	200 / 206	97%	0.24 - 194	0.10 - 5.00	0.031 - 1.00	15.0	4.66	27.4	1.82
Chloride	206 / 206	100%	0.16 - 8.50	0.10 - 3.00	0.031 - 0.50	0.90	0.84	0.63	0.70
Fluoride	98 / 204	48%	0.016 - 0.84	0.10 - 0.50	0.031 - 0.10	0.077	0.050	0.084	1.10
Hardness as CaCO3 (Filtered)	8 / 8	100%	6.05 - 71.5	0.50 - 5.00	0.50 - 5.00	22.4	15.4	20.5	0.91
Hardness as CaCO3 (Not Filtered)	197 / 206	96%	2.10 - 74.1	0.50 - 7.00	0.50 - 5.00	20.8	17.3	13.9	0.67
Major Ions: Totals									0.87
Nutrients (mg/L)									
Total Ammonia - N	41 / 200	21%	0.016 - 0.53	0.10 - 5.00	0.031 - 0.50	0.056	0.025	0.072	1.29
Nitrate+Nitrite	176 / 197	89%	0.020 - 6.00	0.10 - 1.00	0.020 - 0.31	0.26	0.13	0.53	2.04
Total Phosphorus	126 / 200	63%	0.0032 - 0.25	0.010 - 0.10	0.0031 - 0.031	0.023	0.011	0.036	1.59
Total Orthophosphate (as P)	1 / 24	4%	0.13 - 0.13	0.10 - 0.10	0.031 - 0.031	0.036	0.033	0.026	0.73
Nutrients: Totals									1.41

TABLE 9.1-25
Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the South Fork Koktuli River Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (RDL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	189 / 206	92%	0.0020 - 18.2	0.0020 - 0.050	0.00062 - 0.012	0.50	0.015	1.76	3.55
Antimony	45 / 206	22%	0.0000075 - 0.00050	0.000010 - 0.0020	0.0000031 - 0.00040	0.00013	0.00020	0.000095	0.76
Barium	195 / 206	95%	0.000094 - 0.032	0.000050 - 0.00050	0.000025 - 0.00016	0.0048	0.0025	0.0061	1.29
Iron	127 / 206	62%	0.0031 - 10.4	0.020 - 0.10	0.0062 - 0.040	0.20	0.018	0.84	4.13
Copper	132 / 206	64%	0.000076 - 6.41	0.00010 - 0.030	0.000031 - 0.0050	0.12	0.00025	0.59	4.74
Zinc	104 / 206	50%	0.00033 - 0.16	0.00050 - 0.010	0.00026 - 0.0020	0.0087	0.0010	0.018	2.11
Lead	60 / 206	29%	0.000016 - 0.0026	0.000050 - 0.00050	0.000026 - 0.00010	0.00012	0.000050	0.00033	2.71
Cadmium	54 / 202	27%	0.0000075 - 0.0011	0.000050 - 0.00050	0.000015 - 0.00010	0.000061	0.000050	0.00010	1.66
Arsenic	61 / 206	30%	0.00013 - 0.010	0.00050 - 0.0013	0.00025 - 0.00063	0.00093	0.00025	0.0018	1.92
Nickel	100 / 206	49%	0.000050 - 0.043	0.00010 - 0.0030	0.000031 - 0.00060	0.0016	0.00030	0.0043	2.71
Mercury	52 / 200	26%	0.00000017 - 0.000016	0.0000010 - 0.0000050	0.00000010 - 0.0000015	0.0000013	0.00000075	0.0000017	1.31
Molybdenum	99 / 206	48%	0.000035 - 0.015	0.000020 - 0.0030	0.0000062 - 0.00050	0.00088	0.00025	0.0019	2.20
Manganese	142 / 206	69%	0.000051 - 2.56	0.000050 - 0.030	0.000015 - 0.0050	0.038	0.00043	0.21	5.52
Total Metals: Totals									2.66
Dissolved Metals (mg/L)									
Aluminum	153 / 204	75%	0.0017 - 16.6	0.0020 - 0.063	0.00062 - 0.020	0.41	0.0080	1.60	3.94
Barium	143 / 144	99%	0.00026 - 0.032	0.000050 - 0.0010	0.000025 - 0.00024	0.0062	0.0033	0.0068	1.11
Iron	100 / 203	49%	0.0031 - 8.89	0.020 - 0.10	0.0062 - 0.040	0.096	0.010	0.64	6.65
Copper	119 / 182	65%	0.000091 - 6.01	0.00010 - 0.030	0.000031 - 0.0050	0.13	0.00025	0.60	4.47
Zinc	88 / 179	49%	0.00095 - 0.15	0.00050 - 0.010	0.00026 - 0.0020	0.0096	0.0016	0.018	1.92
Lead	51 / 182	28%	0.000016 - 0.0015	0.000050 - 0.00050	0.000026 - 0.00025	0.000077	0.000050	0.00013	1.66
Cadmium	50 / 206	24%	0.0000075 - 0.0010	0.000050 - 0.00050	0.000015 - 0.00010	0.000058	0.000050	0.000096	1.65
Arsenic	51 / 206	25%	0.00013 - 0.0076	0.00050 - 0.0013	0.00025 - 0.00063	0.00080	0.00025	0.0015	1.89
Nickel	90 / 178	51%	0.000031 - 0.040	0.00010 - 0.0030	0.000031 - 0.00060	0.0018	0.00030	0.0045	2.47
Molybdenum	100 / 194	52%	0.000015 - 0.015	0.000020 - 0.030	0.0000062 - 0.0050	0.00087	0.00025	0.0019	2.19
Manganese	113 / 192	59%	0.000051 - 2.43	0.000050 - 0.030	0.000015 - 0.0050	0.031	0.00025	0.19	6.08
Dissolved Metals: Totals									3.09

TABLE 9.1-25
Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the South Fork Koktuli River Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (RDL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Cyanides (mg/L)									
Cyanide, Total	21 / 206	10%	0.00075 - 0.057	0.0050 - 0.10	0.0015 - 0.030	0.0033	0.0025	0.0062	1.87
Cyanide, Weak Acid Dissociable	23 / 206	11%	0.00075 - 0.0040	0.0050 - 0.050	0.0015 - 0.010	0.0025	0.0025	0.0032	1.31

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = milliSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-26
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, South Fork Koktuli River Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	206	0	0
pH (Field)	202	141	92
Dissolved Oxygen (Field)	201	24	3
Water Temperature (Field)	202	--	--
Specific Conductivity (Field, uS/cm)	202	--	--
Turbidity (NTU)	199	--	--
Total Suspended Solids	206	--	--
ORP (mV)	200	--	--
Major Ions (mg/L)			
Calcium (dissolved)	198	--	--
Calcium (total)	206	--	--
Magnesium (dissolved)	193	--	--
Magnesium (total)	206	--	--
Sodium (dissolved)	202	--	--
Sodium (total)	206	--	--
Potassium (dissolved)	199	--	--
Potassium (total)	206	--	--
Alkalinity	206	169	--
Sulfate	206	--	0
Chloride	206	0	0
Fluoride	204	--	0
Hardness as CaCO3 (Filtered)	8	--	--
Hardness as CaCO3 (Not Filtered)	206	--	--
Nutrients (mg/L)			
Total Ammonia - N	200	0	--
Nitrate+Nitrite	197	--	1
Total Phosphorus	200	--	--
Total Orthophosphate (as P)	24	--	--

TABLE 9.1-26
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, South Fork Koktuli River Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals			
Aluminum	206	49	--
Antimony	206	--	0
Barium	206	--	0
Iron	206	8	--
Copper	206	42	--
Zinc	206	8	--
Beryllium	206	--	0
Bismuth	206	--	--
Boron	206	--	--
Chromium	206	0	0
Cobalt	206	--	--
Lead	206	25	0
Cadmium	202	66	0
Arsenic	206	0	0
Nickel	206	3	0
Molybdenum	206	--	--
Manganese	206	--	25
Mercury	206	2	0

TABLE 9.1-26
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, South Fork Koktuli River Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Dissolved Metals			
Aluminum	204	27	--
Barium	144	--	--
Iron	203	2	--
Copper	182	38	--
Zinc	179	10	--
Lead	182	14	--
Cadmium	206	67	--
Arsenic	206	0	--
Nickel	178	3	--
Molybdenum	194	--	--
Manganese	192	--	--
Cyanides (mg/L)			
Cyanide, Total	206	--	--
Cyanide, Weak Acid Dissociable	206	10	0

Notes:

[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-based criteria based on preliminary estimates.

-- = Not available or not applicable.

References:

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-27

Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the Upper Talarik Creek Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (RDL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters(mg/L, except where noted)									
Total Dissolved Solids	338 / 338	100%	7.50 - 170	10.0 - 20.0	3.10 - 10.0	55.6	50.0	26.4	0.48
pH (Field, Standard Units)	335 / 335	100%	2.28 - 8.67	-- - --	-- - --	6.77	6.88	0.91	0.13
Dissolved Oxygen	323 / 323	100%	4.27 - 13.8	-- - --	-- - --	9.51	9.67	1.53	0.16
Water Temperature (deg C)	334 / 334	100%	0.24 - 10.3	-- - --	-- - --	3.41	3.14	1.38	0.40
Specific Conductivity (Field, uS/cm)	334 / 334	100%	13.0 - 420	-- - --	-- - --	79.2	69	49.2	0.62
Turbidity (NTU)	334 / 334	100%	0.0090 - 5.50	-- - --	-- - --	0.34	0.15	0.62	1.86
Total Suspended Solids	180 / 338	53%	0.076 - 68.6	0.50 - 40.0	0.15 - 10.0	3.02	2.50	5.95	1.97
ORP (mV)	334 / 334	100%	-183 - 562	-- - --	-- - --	151	176	112	0.74
Field and Physical Parameters: Totals									0.85
Major Ions (mg/L)									
Calcium (Dissolved)	335 / 335	100%	3.25 - 26.8	0.050 - 5.00	0.015 - 1.00	9.75	9.50	4.25	0.44
Calcium (Total)	338 / 338	100%	3.34 - 26.5	0.050 - 2.50	0.015 - 0.78	9.68	9.45	4.31	0.45
Magnesium (Dissolved)	336 / 336	100%	0.36 - 11.5	0.0050 - 5.00	0.0016 - 1.00	1.97	1.40	1.73	0.87
Magnesium (Total)	338 / 338	100%	0.30 - 11.2	0.0050 - 1.00	0.0016 - 0.20	1.94	1.38	1.71	0.88
Sodium (dissolved)	337 / 337	100%	1.16 - 5.80	0.10 - 8.00	0.031 - 2.00	2.68	2.45	0.88	0.33
Sodium (total)	338 / 338	100%	1.11 - 6.20	0.10 - 2.00	0.031 - 0.30	2.64	2.42	0.89	0.34
Potassium (Dissolved)	271 / 335	81%	0.067 - 3.98	0.050 - 8.00	0.015 - 2.00	0.49	0.40	0.44	0.89
Potassium (Total)	266 / 338	79%	0.061 - 3.82	0.050 - 2.00	0.015 - 0.30	0.55	0.41	0.45	0.82
Alkalinity, Total	319 / 338	94%	2.33 - 116	10.0 - 20.0	2.00 - 6.20	30.3	28.4	18.8	0.62
Sulfate	333 / 338	99%	0.49 - 214	0.10 - 3.00	0.031 - 0.50	8.19	2.70	20.0	2.44
Chloride	338 / 338	100%	0.42 - 1.90	0.10 - 3.00	0.031 - 0.50	0.87	0.82	0.19	0.22
Fluoride	182 / 336	54%	0.016 - 0.32	0.10 - 0.50	0.031 - 0.10	0.057	0.050	0.034	0.59
Hardness as CaCO3 (Filtered)	8 / 8	100%	17.6 - 47.8	0.50 - 5.00	0.50 - 5.00	30.5	29.7	10.0	0.33
Hardness as CaCO3 (Not Filtered)	338 / 338	100%	9.76 - 114	0.50 - 7.00	0.50 - 1.00	32.2	30.6	16.4	0.51
Major Ions: Totals									0.70
Nutrients (mg/L, except where noted)									
Total Ammonia - N	58 / 333	17%	0.016 - 0.47	0.10 - 5.00	0.031 - 0.50	0.042	0.025	0.058	1.39
Nitrate+Nitrite	323 / 330	98%	0.010 - 6.75	0.020 - 1.00	0.0062 - 0.31	0.42	0.30	0.62	1.47
Total Phosphorus	217 / 335	65%	0.0040 - 0.18	0.010 - 0.10	0.0031 - 0.031	0.018	0.012	0.023	1.29
Total Orthophosphate (as P)	0 / 55	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Totals									1.38

TABLE 9.1-27

Surface Water Data Summary for Naturally Occurring Constituents, Seeps in the Upper Talarik Creek Drainage

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (RDL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	285 / 338	84%	0.0015 - 7.37	0.0020 - 0.050	0.00062 - 0.012	0.19	0.011	0.83	4.39
Antimony	139 / 338	41%	0.0000068 - 0.00078	0.000010 - 0.0020	0.0000031 - 0.00040	0.00012	0.00012	0.000088	0.75
Barium	336 / 338	99%	0.00060 - 0.039	0.000050 - 0.00050	0.000025 - 0.00010	0.0049	0.0032	0.0054	1.10
Iron	218 / 338	64%	0.0067 - 7.52	0.020 - 0.10	0.0062 - 0.040	0.11	0.020	0.51	4.43
Copper	198 / 338	59%	0.000074 - 1.54	0.00010 - 0.0030	0.000031 - 0.0010	0.0070	0.00025	0.085	12.1
Zinc	167 / 338	49%	0.00036 - 0.053	0.00050 - 0.010	0.00026 - 0.0020	0.0026	0.0010	0.0047	1.79
Lead	100 / 338	30%	0.000016 - 0.0076	0.000050 - 0.00050	0.000026 - 0.00010	0.00014	0.000050	0.00060	4.33
Cadmium	53 / 338	16%	0.0000075 - 0.00030	0.000050 - 0.00050	0.000015 - 0.00010	0.000031	0.000019	0.000032	1.02
Arsenic	206 / 338	61%	0.00013 - 0.0086	0.00050 - 0.0010	0.00025 - 0.00050	0.0017	0.00054	0.0023	1.39
Nickel	217 / 333	65%	0.000063 - 0.15	0.00010 - 0.0030	0.000031 - 0.00060	0.0013	0.00030	0.0083	6.64
Mercury	68 / 333	20%	0.00000017 - 0.000019	0.0000010 - 0.0000050	0.00000010 - 0.0000015	0.00000097	0.00000047	0.0000016	1.63
Molybdenum	195 / 338	58%	0.000015 - 0.0026	0.000020 - 0.0030	0.0000062 - 0.00050	0.00043	0.00025	0.00051	1.20
Manganese	228 / 338	67%	0.000038 - 0.28	0.000050 - 0.0030	0.000015 - 0.00050	0.0060	0.00025	0.027	4.45
Total Metals: Totals									3.48
Dissolved Metals (mg/L)									
Aluminum	226 / 325	70%	0.00099 - 7.10	0.0020 - 0.050	0.00062 - 0.012	0.16	0.0033	0.81	5.15
Barium	283 / 284	99.6%	0.00060 - 0.041	0.000050 - 0.0010	0.000025 - 0.00020	0.0054	0.0036	0.0058	1.07
Iron	163 / 333	49%	0.0031 - 3.36	0.020 - 0.30	0.0062 - 0.10	0.063	0.010	0.31	4.92
Copper	168 / 273	62%	0.00010 - 1.42	0.00010 - 0.0030	0.000031 - 0.0010	0.0080	0.00025	0.087	10.8
Zinc	133 / 262	51%	0.00033 - 0.050	0.00050 - 0.010	0.00026 - 0.0020	0.0025	0.0011	0.0045	1.78
Lead	93 / 282	33%	0.000016 - 0.00077	0.000050 - 0.00050	0.000026 - 0.00010	0.000077	0.000050	0.000088	1.14
Cadmium	57 / 336	17%	0.0000075 - 0.00028	0.000050 - 0.00050	0.000015 - 0.00010	0.000030	0.000019	0.000028	0.93
Arsenic	187 / 337	55%	0.00013 - 0.0079	0.00050 - 0.0010	0.00025 - 0.00050	0.0016	0.00025	0.0023	1.43
Nickel	133 / 240	55%	0.00012 - 0.016	0.00010 - 0.0030	0.000031 - 0.00060	0.0010	0.00030	0.0026	2.55
Molybdenum	189 / 301	63%	0.000015 - 0.0026	0.000020 - 0.0030	0.0000062 - 0.00050	0.00040	0.00025	0.00048	1.21
Manganese	161 / 285	56%	0.000033 - 0.30	0.000050 - 0.0030	0.000015 - 0.00050	0.0060	0.00025	0.030	4.96
Dissolved Metals: Totals									3.27
Cyanides (mg/L)									
Cyanide, Total	39 / 338	12%	0.00075 - 0.026	0.0050 - 0.10	0.0015 - 0.030	0.0025	0.0013	0.0043	1.69
Cyanide, Weak Acid Dissociable	45 / 338	13%	0.00075 - 0.064	0.0050 - 0.030	0.0015 - 0.0050	0.0027	0.0013	0.0049	1.78

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = milliSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-28
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, Upper Talarik Creek Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	338	0	0
pH (Field)	335	121	52
Dissolved Oxygen (Field)	323	24	0
Water Temperature (Field)	334	--	--
Specific Conductivity (Field, uS/cm)	334	--	--
Turbidity (NTU)	334	--	--
Total Suspended Solids	338	--	--
ORP (mV)	334	--	--
Major Ions (mg/L)			
Calcium (dissolved)	335	--	--
Calcium (total)	338	--	--
Magnesium (dissolved)	336	--	--
Magnesium (total)	338	--	--
Sodium (dissolved)	337	--	--
Sodium (total)	338	--	--
Potassium (dissolved)	335	--	--
Potassium (total)	338	--	--
Alkalinity	338	86	--
Sulfate	338	--	0
Chloride	338	0	0
Fluoride	336	--	0
Hardness as CaCO3 (Filtered)	8	--	--
Hardness as CaCO3 (Not Filtered)	338	--	--
Nutrients (mg/L)			
Total Ammonia - N	333	0	--
Nitrate+Nitrite	330	--	0
Total Phosphorus	335	--	--
Total Orthophosphate (as P)	55	--	--

TABLE 9.1-28
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, Upper Talarik Creek Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals			
Aluminum	338	43	--
Antimony	338	--	0
Barium	338	--	0
Iron	338	10	--
Copper	338	18	--
Zinc	338	2	--
Lead	338	13	0
Cadmium	338	10	0
Arsenic	338	0	0
Nickel	333	3	1
Mercury	338	2	0
Molybdenum	338	--	--
Manganese	338	--	10
Dissolved Metals			
Aluminum	325	13	--
Barium	284	--	--
Iron	333	6	--
Copper	273	14	--
Zinc	262	1	--
Lead	282	4	--
Cadmium	336	8	--
Arsenic	337	0	--
Nickel	240	2	--
Molybdenum	301	--	--
Manganese	285	--	--

TABLE 9.1-28
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Seeps, Upper Talarik Creek Drainage

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Cyanides (mg/L)			
Cyanide, Total	338	--	--
Cyanide, Weak Acid Dissociable	338	25	0

Notes:
[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria based on preliminary estimates.

Key:
-- = Not available or not applicable.

References:
Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.
ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-29

Differences in Naturally Occurring Constituent Concentrations in Seeps Between Paired River Systems, Mine Study Area

	Drainages [a]		
	NK - SK	NK - UT	SK - UT
Analyte	p-Value [b]		
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	**0.039**	**<0.0001**	**0.0062**
pH (Field)	**0.00022**	0.14	**<0.0001**
Total Suspended Solids	**0.029**	0.24	0.51
Major Ions (mg/L)			
Sodium	0.43	**0.0040**	**<0.0001**
Potassium	**0.034**	**<0.0001**	0.97
Alkalinity	**0.024**	**<0.0001**	**<0.0001**
Sulfate	**<0.0001**	**0.017**	**0.040**
Chloride	0.18	0.23	0.74
Fluoride	**<0.0001**	0.18	**<0.0001**
Hardness as CaCO3	**0.0021**	**<0.0001**	**<0.0001**
Nutrients (mg/L)			
Nitrate+Nitrite	0.49	**<0.0001**	**<0.0001**
Total Phosphorus	0.21	0.78	0.23
Metals (mg/L)			
Iron	0.40	**0.023**	0.50
Copper	**0.022**	0.38	**0.0032**
Zinc	**0.00014**	0.92	**<0.0001**
Lead	0.12	0.47	0.11
Cadmium	**0.043**	0.22	0.099
Arsenic	0.37	**0.0089**	**0.0076**
Nickel	**<0.0001**	**<0.0001**	**0.00016**
Molybdenum	0.74	0.70	0.94
Cyanides (mg/L)			
Cyanide, Total	0.32	--	--
Cyanide, Weak Acid Dissociable	1.00	0.82	1.00

Notes:

[a] Seep locations and corresponding drainages are shown in Table 9.1-4.

[b] Differences are considered statistically significant if the p-value is less than 0.050.
The nonparametric Mann-Whitney U-test was used for statistical comparisons.
Only detected concentrations were included in the statistical comparisons.

Bold indicates a statistically significant difference.

Key:

-- = Mann-Whitney Test not conducted due to insufficient detection frequency.

< = less than.

NK = North Fork Koktuli Drainage.

SK = South Fork Koktuli Drainage.

UT = Upper Talarik Drainage.

TABLE 9.1-30
Differences in Naturally Occurring Constituent Concentrations in Seeps Based on Discharge Velocities in Different Drainages, Mine Study Area

Drainage [a]	**NK**			**SK**	**UT**		
Velocity Group [a]	**Low - Medium**	**Low - High**	**Medium - High**	**Lowest - Medium**	**Low - Medium**	**Low - High**	**Medium - High**
Analyte	**p-Value** [b]						
Field and Physical Parameters (mg/L, except where noted)							
Total Dissolved Solids	0.088	0.20	0.28	**<0.0001**	0.12	0.088	**0.00036**
pH (Field)	0.21	0.67	0.070	**<0.0001**	0.31	0.30	0.82
Total Suspended Solids	1.00	0.17	0.064	**0.019**	0.48	0.81	0.16
Major Ions (mg/L)							
Sodium	0.22	0.091	0.68	**0.0011**	0.12	**0.020**	**<0.0001**
Potassium	0.22	0.44	0.85	**<0.0001**	0.068	**0.019**	**<0.0001**
Alkalinity	0.74	**0.0033**	**<0.0001**	--	**0.00025**	**0.0038**	0.42
Sulfate	0.29	0.054	**<0.0001**	**<0.0001**	0.23	0.11	0.91
Chloride	0.53	0.95	0.70	0.19	0.64	0.33	0.47
Fluoride	0.088	**0.029**	0.78	**0.0082**	0.56	**0.021**	**0.00027**
Hardness as CaCO3	0.19	**0.0070**	0.66	0.068	**0.00031**	**0.0022**	**0.0013**
Nutrients (mg/L)							
Nitrate+Nitrite	0.58	0.11	0.30	**0.00064**	**0.015**	**0.0013**	0.085
Total Phosphorus	0.86	0.20	**0.032**	0.95	0.91	**0.025**	**0.0022**
Metals (mg/L)							
Iron	**0.048**	**0.0043**	0.83	**<0.0001**	0.97	0.56	0.61
Copper	**0.030**	0.85	**0.0046**	**<0.0001**	**0.0021**	**0.00088**	0.24
Zinc	0.92	0.26	0.46	**0.0041**	0.40	0.12	**0.037**
Lead	**0.050**	0.72	**0.034**	0.72	0.65	1.00	1.00
Cadmium [c]	--	--	--	0.050	--	--	--
Arsenic	0.48	--	--	--	--	--	0.053
Nickel	**0.011**	1.00	**0.0049**	**<0.0001**	0.073	0.59	**0.0049**
Molybdenum	**0.0095**	**0.029**	0.67	--	0.052	0.20	**0.0014**
Cyanides (mg/L)							
Cyanide, Total	--	--	--	--	--	--	--
Cyanide, Weak Acid Dissociable	--	--	0.22	--	1.00	0.48	0.81

Notes:
[a] Seep locations and corresponding drainages and velocity groups are shown in Table 9.1-4.
[b] Differences are considered statistically significant if the p-value is less than 0.050. The nonparametric Mann-Whitney U-test was used for statistical comparisons. Only detected concentrations were included in the statistical comparisons.
[c] The p-Value for cadmium in the SK drainage is 0.0503 and is therefore not considered statistically significant. The value was rounded for presentation.
Bold indicates a statistically significant difference.

Key:
-- = Mann-Whitney Test not conducted due to insufficient detection frequency.
< = less than.
NK = North Fork Koktuli Drainage.
SK = South Fork Koktuli Drainage.
UT = Upper Talarik Drainage.

TABLE 9.1-31
Surface Water Data Summary for Naturally Occurring Constituents, All Lakes in the Study Area

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	46 / 47	98%	11.3 - 108	10.0 - 10.0	3.10 - 3.10	41.8	41.3	20.9	0.50
pH (Field, Standard Units)	45 / 45	100%	4.74 - 8.61	-- - --	-- - --	7.17	7.43	0.88	0.12
Dissolved Oxygen, mg/L	45 / 45	100%	2.84 - 13.3	-- - --	-- - --	8.51	8.30	2.05	0.24
Water Temperature (degC)	45 / 45	100%	3.16 - 20.4	-- - --	-- - --	12.0	11.6	3.83	0.32
Specific Conductivity (Field, uS/cm)	45 / 45	100%	1.00 - 710	-- - --	-- - --	61.6	43.0	104	1.69
Turbidity (NTU)	44 / 44	100%	0.25 - 7.44	-- - --	-- - --	1.64	1.08	1.66	1.02
Total Suspended Solids	46 / 47	98%	0.20 - 20.5	0.50 - 1.67	0.15 - 0.50	3.06	1.40	4.35	1.42
ORP (mV)	45 / 45	100%	-77.8 - 223	-- - --	-- - --	67.2	66.8	110	1.64
Field and Physical Parameters: Totals									0.83
Major Ions (mg/L)									
Calcium (dissolved)	46 / 46	100%	0.33 - 18.0	0.050 - 0.13	0.015 - 0.038	5.78	5.10	3.60	0.62
Calcium (total)	47 / 47	100%	0.34 - 18.2	0.050 - 0.050	0.015 - 0.015	5.75	5.04	3.76	0.65
Magnesium (dissolved)	45 / 45	100%	0.11 - 4.48	0.020 - 0.020	0.0062 - 0.0062	1.29	1.13	0.90	0.70
Magnesium (total)	47 / 47	100%	0.11 - 4.65	0.020 - 0.020	0.0062 - 0.0062	1.26	1.00	0.95	0.75
Sodium (dissolved)	46 / 46	100%	0.47 - 11.8	0.10 - 0.10	0.031 - 0.031	2.52	2.10	1.97	0.78
Sodium (total)	47 / 47	100%	0.40 - 12.7	0.10 - 0.10	0.031 - 0.031	2.53	2.03	2.10	0.83
Potassium (dissolved)	47 / 47	100%	0.050 - 0.85	0.050 - 0.050	0.015 - 0.015	0.30	0.28	0.17	0.58
Potassium (total)	46 / 47	98%	0.065 - 0.83	0.050 - 0.050	0.015 - 0.015	0.30	0.28	0.18	0.61
Alkalinity, Total	42 / 47	89%	7.00 - 54.8	10.0 - 40.0	3.10 - 12.4	18.5	16.5	11.3	0.61
Sulfate	46 / 47	98%	0.089 - 47.3	0.10 - 0.10	0.031 - 0.031	5.13	2.71	9.28	1.81
Chloride	47 / 47	100%	0.060 - 0.90	0.10 - 0.10	0.031 - 0.031	0.52	0.50	0.19	0.36
Fluoride	24 / 47	51%	0.033 - 0.085	0.10 - 0.10	0.031 - 0.031	0.032	0.033	0.019	0.59
Hardness as CaCO3 (Not Filtered)	47 / 47	100%	1.32 - 64.6	0.80 - 1.00	0.80 - 1.00	19.5	17.8	12.9	0.66
Major Ions: Totals	47								0.73
Nutrients (mg/L)									
Total Ammonia - N	17 / 47	36%	0.016 - 0.20	0.10 - 0.10	0.031 - 0.031	0.039	0.016	0.038	0.98
Nitrate+Nitrite	28 / 47	60%	0.032 - 1.19	0.10 - 0.10	0.031 - 0.031	0.11	0.050	0.20	1.81
Total Phosphorus	46 / 47	98%	0.0060 - 0.071	0.010 - 0.010	0.0031 - 0.0031	0.022	0.020	0.014	0.63
Total Orthophosphate (as P)	0 / 24	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Totals									1.14

TABLE 9.1-31
Surface Water Data Summary for Naturally Occurring Constituents, All Lakes in the Study Area

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	47 / 47	100%	0.0053 - 0.38	0.0020 - 0.0020	0.00062 - 0.00062	0.062	0.032	0.079	1.26
Antimony	26 / 47	55%	0.000017 - 0.00016	0.000050 - 0.000050	0.000015 - 0.000015	0.000034	0.000021	0.000040	1.18
Barium	47 / 47	100%	0.00093 - 0.015	0.000050 - 0.000050	0.000025 - 0.000025	0.0042	0.0033	0.0031	0.75
Iron	45 / 47	96%	0.018 - 2.15	0.020 - 0.020	0.0062 - 0.0062	0.35	0.18	0.47	1.35
Copper	47 / 47	100%	0.00017 - 0.0038	0.00010 - 0.00010	0.000031 - 0.000050	0.00080	0.00039	0.00093	1.16
Zinc	46 / 47	98%	0.00068 - 0.015	0.0010 - 0.0010	0.00031 - 0.00031	0.0029	0.0022	0.0025	0.87
Lead	29 / 47	62%	0.000024 - 0.00079	0.00010 - 0.00010	0.000031 - 0.000031	0.00018	0.000050	0.00021	1.21
Cadmium	0 / 47	0%	NA - NA	0.000050 - 0.000050	0.000015 - 0.000037	--	--	--	--
Arsenic	23 / 47	49%	0.00034 - 0.0074	0.00050 - 0.00050	0.00031 - 0.00031	0.00077	0.00026	0.0014	1.86
Nickel	36 / 47	77%	0.000077 - 0.0015	0.00020 - 0.00020	0.000062 - 0.000062	0.00030	0.00024	0.00026	0.88
Mercury	10 / 47	21%	0.00000036 - 0.0000024	0.0000050 - 0.0000050	0.00000034 - 0.00000095	0.00000099	0.00000047	0.00000090	0.91
Molybdenum	42 / 47	89%	0.000018 - 0.0017	0.000050 - 0.000050	0.000015 - 0.000029	0.00038	0.00018	0.00044	1.17
Manganese	47 / 47	100%	0.0012 - 0.29	0.000050 - 0.000050	0.000015 - 0.000025	0.030	0.012	0.052	1.73
Total Metals: Totals									1.19
Dissolved Metals (mg/L)									
Aluminum	47 / 47	100%	0.0022 - 0.18	0.0020 - 0.0020	0.00062 - 0.00062	0.020	0.012	0.029	1.42
Antimony	27 / 47	57%	0.000019 - 0.00016	0.000010 - 0.000050	0.000003 - 0.000015	0.000034	0.000023	0.000038	0.88
Barium	45 / 45	100%	0.00078 - 0.015	0.000050 - 0.000050	0.000025 - 0.000025	0.0036	0.0029	0.0026	0.74
Iron	42 / 47	89%	0.0080 - 1.45	0.020 - 0.050	0.0062 - 0.016	0.17	0.071	0.30	1.80
Copper	37 / 37	100%	0.00014 - 0.0023	0.00010 - 0.00010	0.000031 - 0.000050	0.00066	0.00038	0.00061	0.93
Zinc	41 / 41	100%	0.0010 - 0.0058	0.0010 - 0.0010	0.00031 - 0.00031	0.0020	0.0016	0.0010	0.52
Lead	25 / 37	68%	0.000027 - 0.00054	0.00010 - 0.00010	0.000031 - 0.000031	0.00011	0.00010	0.00011	0.99
Cadmium	0 / 47	0%	NA - NA	0.000050 - 0.000050	0.000015 - 0.000037	--	--	--	--
Arsenic	22 / 47	47%	0.00034 - 0.0071	0.00050 - 0.00050	0.00031 - 0.00031	0.00068	0.00016	0.0014	2.07
Nickel	23 / 29	79%	0.00020 - 0.0011	0.00020 - 0.00020	0.000062 - 0.000062	0.00037	0.00034	0.00024	0.67
Molybdenum	42 / 47	89%	0.000015 - 0.0017	0.000050 - 0.000050	0.000015 - 0.000029	0.00037	0.00018	0.00044	1.17
Manganese	46 / 46	100%	0.00029 - 0.20	0.000050 - 0.000050	0.000015 - 0.000025	0.019	0.0035	0.042	2.16
Dissolved Metals: Totals									1.21

TABLE 9.1-31
Surface Water Data Summary for Naturally Occurring Constituents, All Lakes in the Study Area

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Cyanides (mg/L)									
Cyanide, Total	1 / 47	2%	0.0020 - 0.0020	0.0050 - 0.0050	0.0015 - 0.0015	0.00078	0.00075	0.00018	0.23
Cyanide, Weak Acid Dissociable	4 / 47	9%	0.0016 - 0.0050	0.0050 - 0.0050	0.0015 - 0.0015	0.00099	0.00075	0.00072	0.73

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = microSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-32
Surface Water Data Summary for Naturally Occurring Constituents, Frying Pan Lake

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	11 / 11	100%	20.0 - 68.1	10.0 - 10.0	3.10 - 3.10	44.3	43.8	11.7	0.26
pH (Field, Standard Units)	10 / 10	100%	4.74 - 8.61	-- - --	-- - --	6.32	6.26	1.14	0.18
Dissolved Oxygen (mg/L)	10 / 10	100%	5.65 - 8.85	-- - --	-- - --	7.37	7.42	1.06	0.14
Water Temperature (degC)	10 / 10	100%	3.16 - 13.8	-- - --	-- - --	9.09	9.62	3.65	0.40
Specific Conductivity (Field, uS/cm)	10 / 10	100%	17.0 - 64.0	-- - --	-- - --	38.2	35.0	17.4	0.45
Turbidity (NTU)	10 / 10	100%	0.25 - 7.44	-- - --	-- - --	1.98	1.09	2.26	1.14
Total Suspended Solids	10 / 11	91%	0.40 - 14.8	0.50 - 1.00	0.15 - 0.30	4.27	1.03	5.95	1.39
ORP (mV)	10 / 10	100%	-77.8 - 223	-- - --	-- - --	128	143	89.9	0.70
Field and Physical Parameters: Totals									0.58
Major Ions (mg/L)									
Calcium (dissolved)	11 / 11	100%	2.52 - 7.37	0.050 - 0.050	0.015 - 0.015	4.78	5.17	1.78	0.37
Calcium (total)	11 / 11	100%	2.59 - 7.77	0.050 - 0.050	0.015 - 0.015	5.02	5.12	1.90	0.38
Magnesium (dissolved)	11 / 11	100%	0.42 - 1.92	0.00010 - 0.00010	0.000031 - 0.000031	1.05	1.18	0.57	0.55
Magnesium (total)	11 / 11	100%	0.43 - 1.96	0.020 - 0.020	0.0062 - 0.0062	1.09	1.15	0.61	0.56
Sodium (dissolved)	10 / 10	100%	1.74 - 2.98	0.000020 - 0.000020	0.0000062 - 0.0000062	2.18	2.11	0.41	0.19
Sodium (total)	11 / 11	100%	1.67 - 3.17	0.10 - 0.10	0.031 - 0.031	2.19	2.05	0.47	0.22
Potassium (dissolved)	11 / 11	100%	0.073 - 0.46	0.00020 - 0.00020	0.000062 - 0.000062	0.20	0.16	0.12	0.59
Potassium (total)	11 / 11	100%	0.079 - 0.48	0.050 - 0.050	0.015 - 0.015	0.20	0.17	0.12	0.59
Alkalinity, Total	11 / 11	100%	10.0 - 29.9	10.0 - 40.0	3.10 - 12.4	19.8	22.0	6.95	0.35
Sulfate	11 / 11	100%	0.36 - 11.2	0.10 - 0.10	0.031 - 0.031	3.56	1.33	3.82	1.07
Chloride	11 / 11	100%	0.39 - 0.76	0.10 - 0.10	0.031 - 0.031	0.54	0.49	0.12	0.22
Fluoride	7 / 11	64%	0.041 - 0.070	0.10 - 0.10	0.031 - 0.031	0.038	0.042	0.020	0.52
Hardness as CaCO3 (Not Filtered)	11 / 11	100%	8.23 - 27.5	0.00010 - 0.00010	0.000050 - 0.000050	17.0	17.8	7.23	0.43
Major Ions: Totals									0.46
Nutrients (mg/L, except where noted)									
Total Ammonia - N	7 / 11	64%	0.016 - 0.20	0.10 - 0.10	0.031 - 0.031	0.071	0.050	0.059	0.83
Nitrate+Nitrite	9 / 11	82%	0.032 - 1.19	0.10 - 0.10	0.031 - 0.031	0.28	0.073	0.37	1.32
Total Phosphorus	11 / 11	100%	0.0070 - 0.059	0.010 - 0.010	0.0031 - 0.0031	0.023	0.023	0.014	0.60
Total Orthophosphate (as P)	0 / 10	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Totals									0.68

TABLE 9.1-32
Surface Water Data Summary for Naturally Occurring Constituents, Frying Pan Lake

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean[b]	Median[b]	Standard Deviation[b]	Coefficient of Variation
Total Metals (mg/L)									
Aluminum	11 / 11	100%	0.020 - 0.19	0.0020 - 0.0020	0.00062 - 0.00062	0.053	0.031	0.053	1.00
Antimony	5 / 11	45%	0.000024 - 0.00015	0.000050 - 0.000050	0.000015 - 0.000015	0.000036	0.000012	0.000046	1.27
Barium	11 / 11	100%	0.0021 - 0.0073	0.000050 - 0.000050	0.000025 - 0.000025	0.0040	0.0033	0.0018	0.44
Iron	11 / 11	100%	0.064 - 1.03	0.020 - 0.020	0.0062 - 0.0062	0.40	0.32	0.27	0.69
Copper	11 / 11	100%	0.00018 - 0.0038	0.00010 - 0.00010	0.000031 - 0.000031	0.0013	0.00039	0.0014	1.10
Zinc	11 / 11	100%	0.0010 - 0.0057	0.0010 - 0.0010	0.00031 - 0.00031	0.0032	0.0029	0.0016	0.51
Lead	4 / 11	36%	0.000042 - 0.00044	0.00010 - 0.00010	0.000031 - 0.000031	0.00011	0.000050	0.00014	1.27
Cadmium	0 / 11	0%	0 - 0	0.000050 - 0.000050	0.000015 - 0.000037	--	--	--	--
Arsenic	5 / 11	45%	0.00049 - 0.0013	0.00050 - 0.00050	0.00031 - 0.00031	0.00048	0.00026	0.00041	0.85
Nickel	5 / 11	45%	0.00024 - 0.00047	0.00020 - 0.00020	0.000062 - 0.000062	0.00022	0.00010	0.00015	0.69
Mercury	1 / 11	9%	0.00000088 - 0.00000088	0.000050 - 0.000050	0.000015 - 0.000025	0.0000012	0.00000047	0.0000010	0.80
Molybdenum	8 / 11	73%	0.00020 - 0.00073	0.000050 - 0.000050	0.000015 - 0.000029	0.00035	0.00028	0.00028	0.80
Manganese	11 / 11	100%	0.0022 - 0.074	0.000050 - 0.000050	0.000015 - 0.000025	0.035	0.041	0.026	0.73
Dissolved Metals: Totals									0.85
Dissolved Metals (mg/L)									
Aluminum	11 / 11	100%	0.0025 - 0.025	0.0020 - 0.0020	0.00062 - 0.00062	0.015	0.017	0.0074	0.48
Antimony	5 / 11	45%	0.000019 - 0.00013	0.000050 - 0.000050	0.000015 - 0.000015	0.000032	0.0000075	0.000040	0.80
Barium	11 / 11	100%	0.0010 - 0.0058	0.000050 - 0.000050	0.000025 - 0.000025	0.0033	0.0031	0.0015	0.46
Iron	10 / 11	91%	0.029 - 0.44	0.80 - 1.00	0.80 - 1.00	0.16	0.16	0.14	0.83
Copper	10 / 10	100%	0.00020 - 0.0021	0.00010 - 0.00010	0.000031 - 0.000031	0.00083	0.00030	0.00082	0.99
Zinc	9 / 9	100%	0.0013 - 0.0039	0.0010 - 0.0010	0.00031 - 0.00050	0.0027	0.0023	0.0011	0.39
Lead	4 / 4	100%	0.00010 - 0.00028	0.020 - 0.020	0.0062 - 0.0062	0.00016	0.00014	0.000078	0.47
Cadmium	0 / 11	0%	0 - 0	0.000050 - 0.000050	0.000015 - 0.000037	--	--	--	--
Arsenic	5 / 11	45%	0.00035 - 0.00091	0.00050 - 0.00050	0.00031 - 0.00031	0.00036	0.00016	0.00028	0.77
Nickel	2 / 2	100%	0.00027 - 0.00046	0.000050 - 0.000050	0.000015 - 0.000029	0.00036	0.00036	0.00013	0.35
Molybdenum	8 / 11	73%	0.00017 - 0.00070	0.0000050 - 0.0000050	0.00000034 - 0.00000095	0.00035	0.00027	0.00028	0.82
Manganese	11 / 11	100%	0.00029 - 0.051	0.020 - 0.020	0.0062 - 0.0062	0.017	0.010	0.018	1.04
Dissolved Metals: Totals									0.67
Cyanides (mg/L)									
Cyanide, Total	0 / 11	0%	0 - 0	0.0050 - 0.0050	0.0015 - 0.0015	--	--	--	--
Cyanide, Weak Acid Dissociable	3 / 11	27%	0.0016 - 0.0050	0.0050 - 0.0050	0.0015 - 0.0015	0.0013	0.00075	0.0013	0.99

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = microSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-33
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Frying Pan Lake

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	11	0	0
pH (Field)	10	9	5
Dissolved Oxygen (Field)	10	5	0
Water Temperature (Field)	10	--	--
Specific Conductivity (Field, uS/cm)	10	--	--
Turbidity (NTU)	10	--	--
Total Suspended Solids	11	--	--
ORP (mV)	10	--	--
Major Ions (mg/L)			
Calcium (dissolved)	11	--	--
Calcium (total)	11	--	--
Manganese (dissolved)	11	--	--
Magnesium (total)	11	--	--
Sodium (dissolved)	10	--	--
Sodium (total)	11	--	--
Potassium (dissolved)	11	--	--
Potassium (total)	11	--	--
Alkalinity (total)	11	4	--
Sulfate	11	--	0
Chloride	11	0	0
Fluoride	11	--	0
Hardness as CaCO3 (Not Filtered)	11	--	--
Nutrients (mg/L)			
Total Ammonia - N	11	0	--
Nitrate+Nitrite	11	--	0
Total Phosphorus	11	--	--
Total Orthophosphate (as P)	10	--	--

TABLE 9.1-33
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Frying Pan Lake

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Total Metals			
Aluminum	11	2	--
Antimony	11	--	0
Barium	11	--	0
Iron	11	1	--
Copper	11	4	--
Zinc	11	0	--
Lead	11	2	0
Cadmium	11	0	0
Arsenic	11	0	0
Nickel	11	0	0
Molybdenum	11	--	--
Mercury	11	0	0
Manganese	11	--	5
Dissolved Metals			
Aluminum	11	0	--
Antimony	11	--	--
Barium	11	--	--
Iron	11	0	--
Copper	10	3	--
Zinc	9	0	--
Lead	4	1	--
Cadmium	11	0	--
Arsenic	11	0	--
Nickel	2	0	--
Molybdenum	11	--	--
Magnesium	11	--	--

TABLE 9.1-33
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Frying Pan Lake

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Cyanides (mg/L)			
Cyanide, Total	11	--	--
Cyanide, Weak Acid Dissociable	11	1	0

Notes:

[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria based on preliminary estimates.

Key:

-- = Not available or not applicable.

References:

Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.

ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-34
Surface Water Data Summary for Naturally Occurring Constituents, Lakes in the Study Area Other than Frying Pan Lake

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Field and Physical Parameters (mg/L, except where noted)									
Total Dissolved Solids	35 / 36	97%	11.3 - 108	10.0 - 10.0	3.10 - 3.10	41.1	38.8	23.0	0.56
pH (Field, Standard Units)	35 / 35	100%	5.56 - 8.57	-- - --	-- - --	7.42	7.48	0.62	0.084
Dissolved Oxygen (mg/L)	35 / 35	100%	2.84 - 13.3	-- - --	-- - --	8.84	9.01	2.16	0.24
Water Temperature (degC)	35 / 35	100%	5.94 - 20.4	-- - --	-- - --	12.8	11.9	3.50	0.27
Specific Conductivity (Field, uS/cm)	35 / 35	100%	1.00 - 710	-- - --	-- - --	68.2	45.0	117	1.71
Turbidity (NTU)	34 / 34	100%	0.29 - 7.20	-- - --	-- - --	1.54	1.08	1.47	0.96
Total Suspended Solids	35 / 35	100%	0.20 - 20.5	0.50 - 0.60	0.15 - 0.18	2.68	1.40	3.81	1.42
ORP (mV)	35 / 35	100%	-74.8 - 223	-- - --	-- - --	49.8	-16.9	110	2.21
Field and Physical Parameters: Totals									0.89
Major Ions (mg/L)									
Calcium (dissolved)	35 / 35	100%	0.33 - 18.0	0.050 - 0.13	0.015 - 0.038	6.09	5.03	3.98	0.65
Calcium (total)	36 / 36	100%	0.34 - 18.2	0.050 - 0.050	0.015 - 0.015	5.97	5.04	4.16	0.70
Magnesium (dissolved)	34 / 34	100%	0.11 - 4.48	0.020 - 0.020	0.0062 - 0.0062	1.36	1.06	0.98	0.72
Magnesium (total)	36 / 36	100%	0.11 - 4.65	0.020 - 0.020	0.0062 - 0.0062	1.32	0.97	1.03	0.78
Sodium (dissolved)	36 / 36	100%	0.47 - 11.8	0.10 - 0.10	0.031 - 0.031	2.62	2.10	2.22	0.85
Sodium (total)	36 / 36	100%	0.40 - 12.7	0.10 - 0.10	0.031 - 0.031	2.64	2.03	2.38	0.90
Potassium (dissolved)	36 / 36	100%	0.050 - 0.85	0.050 - 0.050	0.015 - 0.015	0.33	0.31	0.18	0.54
Potassium (total)	35 / 36	97%	0.065 - 0.83	0.050 - 0.050	0.015 - 0.015	0.33	0.31	0.19	0.57
Alkalinity, Total	31 / 36	86%	7.00 - 54.8	10.0 - 40.0	3.10 - 12.4	18.1	15.8	12.4	0.68
Sulfate	35 / 36	97%	0.089 - 47.3	0.10 - 0.10	0.031 - 0.031	5.60	2.90	10.4	1.85
Chloride	36 / 36	100%	0.060 - 0.90	0.10 - 0.10	0.031 - 0.031	0.52	0.50	0.21	0.40
Fluoride	17 / 36	47%	0.033 - 0.085	0.10 - 0.10	0.031 - 0.031	0.030	0.016	0.018	0.61
Hardness as CaCO3 (Not Filtered)	36 / 36	100%	1.32 - 64.6	0.80 - 1.00	0.80 - 1.00	20.3	17.5	14.1	0.70
Major Ions: Totals									0.77
Nutrients (mg/L)									
Total Ammonia - N	10 / 36	28%	0.033 - 0.11	0.10 - 0.10	0.031 - 0.031	0.029	0.016	0.021	0.74
Nitrate+Nitrite	17 / 36	47%	0.040 - 0.24	0.10 - 0.10	0.031 - 0.031	0.060	0.050	0.053	0.88
Total Phosphorus	35 / 36	97%	0.0060 - 0.071	0.010 - 0.010	0.0031 - 0.0031	0.021	0.018	0.014	0.65
Total Orthophosphate (as P)	0 / 14	0%	NA - NA	0.10 - 0.10	0.031 - 0.031	--	--	--	--
Nutrients: Totals									0.75
Total Metals (mg/L)									
Aluminum	36 / 36	100%	0.0053 - 0.38	0.0020 - 0.0020	0.00062 - 0.00062	0.065	0.034	0.085	1.31
Antimony	12 / 36	33%	0.000017 - 0.00016	0.000050 - 0.000050	0.000015 - 0.000015	0.000034	0.000022	0.000039	1.16
Barium	36 / 36	100%	0.00093 - 0.015	0.000050 - 0.000050	0.000025 - 0.000025	0.0042	0.0033	0.0035	0.82
Iron	34 / 36	94%	0.018 - 2.15	0.020 - 0.020	0.0062 - 0.0062	0.34	0.14	0.52	1.55
Copper	36 / 36	100%	0.00017 - 0.0029	0.00010 - 0.00010	0.000031 - 0.000050	0.00066	0.00041	0.00070	1.06
Zinc	35 / 36	97%	0.00068 - 0.015	0.0010 - 0.0010	0.00031 - 0.00031	0.0029	0.0021	0.0028	0.97
Lead	25 / 36	69%	0.000024 - 0.00079	0.00010 - 0.00010	0.000031 - 0.000031	0.00020	0.000086	0.00023	1.16
Cadmium	0 / 36	0%	0 - 0	0.000050 - 0.000050	0.000015 - 0.000037	--	--	--	--
Arsenic	18 / 36	50%	0.00034 - 0.0074	0.00050 - 0.00050	0.00031 - 0.00031	0.00086	0.00029	0.0016	1.88
Nickel	31 / 36	86%	0.0000768 - 0.00145	0.00020 - 0.00020	0.000062 - 0.000062	0.00032	0.00026	0.00028	0.88
Mercury	9 / 36	25%	0.00000036 - 0.0000024	0.0000050 - 0.0000050	0.00000034 - 0.00000095	0.00000091	0.00000047	0.00000086	0.95
Molybdenum	34 / 36	94%	0.000018 - 0.0017	0.000050 - 0.000050	0.000015 - 0.000029	0.00039	0.00016	0.00048	1.25
Manganese	36 / 36	100%	0.0012 - 0.29	0.000050 - 0.000050	0.000015 - 0.000025	0.028	0.0090	0.058	2.04
Total Metals: Totals									1.25

TABLE 9.1-34
Surface Water Data Summary for Naturally Occurring Constituents, Lakes in the Study Area Other than Frying Pan Lake

Analyte	Frequency of Detection (FOD) [a]	Percent Detected	Range of Detects (Min - Max)	Range of Reporting Limits (MRL) (Min - Max)	Range of Detection Limits (MDL) (Min - Max)	Mean [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Dissolved Metals (mg/L)									
Aluminum	36 / 36	100%	0.0022 - 0.18	0.0020 - 0.0020	0.00062 - 0.00062	0.022	0.011	0.033	1.49
Antimony	22 / 36	61%	0.000017 - 0.00002	0.000050 - 0.000050	0.000015 - 0.000015	0.000035	0.000026	0.000038	0.90
Barium	34 / 34	100%	0.00078 - 0.015	0.000050 - 0.000050	0.000025 - 0.000025	0.0037	0.0029	0.0029	0.80
Iron	32 / 36	89%	0.0080 - 1.45	0.020 - 0.050	0.0062 - 0.016	0.17	0.069	0.34	2.00
Copper	27 / 27	100%	0.00014 - 0.0023	0.00010 - 0.00010	0.000031 - 0.000050	0.00059	0.00040	0.00052	0.88
Zinc	32 / 32	100%	0.0010 - 0.0058	0.0010 - 0.0010	0.00031 - 0.00031	0.0018	0.0014	0.00096	0.53
Lead	21 / 33	64%	0.000027 - 0.00054	0.00010 - 0.00010	0.000031 - 0.000031	0.00011	0.000045	0.00011	1.08
Cadmium	0 / 36	0%	0 - 0	0.000050 - 0.000050	0.000015 - 0.000037	--	--	--	--
Arsenic	17 / 36	47%	0.00034 - 0.0071	0.00050 - 0.00050	0.00031 - 0.00031	0.00078	0.00016	0.0016	2.05
Nickel	21 / 27	78%	0.00020 - 0.0011	0.00020 - 0.00020	0.000062 - 0.000062	0.00037	0.00034	0.00025	0.69
Molybdenum	34 / 36	94%	0.000015 - 0.0017	0.000050 - 0.000050	0.000015 - 0.000029	0.00038	0.00017	0.00048	1.25
Manganese	35 / 35	100%	0.00033 - 0.20	0.000050 - 0.000050	0.000015 - 0.000025	0.020	0.0028	0.047	2.34
Dissolved Metals: Totals									1.27
Cyanides (mg/L)									
Cyanide, Total	1 / 36	3%	0.0020 - 0.0020	0.0050 - 0.0050	0.0015 - 0.0015	0.00078	0.00075	0.00021	0.27
Cyanide, Weak Acid Dissociable	1 / 36	3%	0.0020 - 0.0020	0.0050 - 0.0050	0.0015 - 0.0015	0.00089	0.00075	0.00042	0.47

Notes:

[a] Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

[b] When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Key:

-- = Not applicable.
degC = degrees Celsius.
MDL = method detection limit.
MEQ/L = milliequivalent per liter.
mg/L = milligram per liter.
uS/cm = microSiemens per centimeter.
mV = millivolt.
NTU = nephelometric turbidity units.
ORP = oxidation reduction potential.
MRL = method reporting limit.

TABLE 9.1-35
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Lakes in the Mine Study Area Other than Frying Pan Lake

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Field and Physical Parameters (mg/L, except where noted)			
Total Dissolved Solids	36	0	0
pH (Field)	35	3	2
Dissolved Oxygen (Field)	35	6	1
Water Temperature (Field)	35	--	--
Specific Conductivity (Field, uS/cm)	35	--	--
Turbidity (NTU)	34	--	--
Total Suspended Solids	35	--	--
ORP (mV)	35	--	--
Major Ions (mg/L)			
Calcium (dissolved)	35	--	--
Calcium (total)	36	--	--
Magnesium (dissolved)	34	--	--
Magnesium (total)	36	--	--
Sodium (dissolved)	36	--	--
Sodium (total)	36	--	--
Potassium (dissolved)	36	--	--
Potassium (total)	36	--	--
Alkalinity (total)	36	21	--
Sulfate	36	--	0
Chloride	36	0	0
Fluoride	36	--	0
Hardness as CaCO3 (Not Filtered)	36	--	--
Nutrients (mg/L)			
Total Ammonia - N	36	0	--
Nitrate+Nitrite	36	--	0
Total Phosphorus	36	--	--
Total Orthophosphate (as P)	14	--	--
Total Metals (mg/L)			
Aluminum	36	7	--
Antimony	36	--	0
Barium	36	--	0
Iron	36	4	--
Copper	36	6	--

TABLE 9.1-35
Comparison of Human Health and Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Lakes in the Mine Study Area Other than Frying Pan Lake

Analyte	Number of Samples	Number of Samples Exceeding Criteria [a]	
		Chronic Aquatic Life Criteria	Drinking Water Standards
Zinc	36	1	--
Lead	36	11	0
Cadmium [b]	36	1	0
Arsenic	36	0	0
Nickel	36	0	0
Mercury	36	0	0
Molybdenum	36	--	--
Manganese	36	--	4
Dissolved Metals (mg/L)			
Aluminum	36	2	--
Antimony	36	--	--
Barium	34	--	--
Iron	36	2	--
Copper	27	4	--
Zinc	32	0	--
Lead	33	4	--
Cadmium [b]	36	1	--
Arsenic	36	0	--
Nickel	27	0	--
Molybdenum	36	--	--
Manganese	35	--	--
Cyanides (mg/L)			
Cyanide, Total	36	--	--
Cyanide, Weak Acid Dissociable	36	0	0

Notes:
[a] Surface water sample results were compared to criteria from ADEC (2008 and 2009). Drinking water standards were compared to total metals data. Chronic aquatic life criteria were compared to both total and dissolved metals data. Hardness-dependent criteria based on preliminary estimates.
[b] Detection limit exceeds criteria.

Key:
-- = Not available or not applicable.

References:
Alaska Department of Environmental Conservation (ADEC). 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.
ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.1-36
Differences in Naturally Occurring Constituent Concentrations in Surface Water Between Frying Pan Lake and Other Lakes, Mine Study Area

Analyte	Significantly Different? [a]	p-Value	Mean Ranks		Sample Counts	
			Frying Pan Lake	Other Lakes	Frying Pan Lake	Other Lakes
Field and Physical Parameters (mg/L, except where noted)						
Total Dissolved Solids	No	0.21	28	22	11	35
pH (Field, Standard Units)	**Yes**	**0.0038**	**12**	**26**	**10**	**35**
Total Suspended Solids	No	0.98	23	23	10	35
Major Ions(mg/L)						
Sodium	No	0.68	26	24	11	36
Potassium	**Yes**	**0.014**	**15**	**26**	**11**	**35**
Alkalinity, Total	No	0.99	22	21	11	31
Sulfate	No	0.62	22	24	11	35
Chloride	No	0.74	25	24	11	36
Fluoride	No	0.19	15	11	7	17
Hardness as CaCO3 (Not Filtered)	No	0.69	23	24	11	36
Nutrients(mg/L)						
Nitrate+Nitrite	No	0.32	16	12	9	17
Total Phosphorus	No	0.60	25	23	11	35
Metals						
Iron	**Yes**	**0.048**	**30**	**21**	**11**	**34**
Copper	No	0.50	26	23	11	36
Zinc	No	0.15	29	22	11	35
Lead	No	0.95	15	15	4	25
Cadmium	--	--	--	--	--	--
Arsenic	No	0.88	12	12	5	18
Nickel	No	0.26	23	18	5	31
Molybdenum	No	0.090	28	20	8	34
Cyanides (mg/L)						
Cyanide, Total	--	--	--	--	--	--
Cyanide, Weak Acid Dissociable	No	0.65	2	3	3	1

Notes:
[a] Differences are considered statistically significant if the p-value is less than 0.050. The nonparametric Mann-Whitney U-test was used fo statistical comparisons. Only detected concentrations were included in the statistical comparisons.
Bold indicates a statistically significant difference.

Key:
-- = Mann-Whitney test not performed due to insufficient detection frequency.
< = less than.

FIGURES

155°50'0"W 155°40'0"W 155°30'0"W 155°20'0"W 155°10'0"W 155°0'0"W

60°0'0"N 59°55'0"N 59°50'0"N 59°45'0"N 59°40'0"N

Black Lake
Lilly Lake
Big Wiggly Lake
North Fork Koktuli
North Fork Koktuli River
KR100A
Koktuli River
NK100A
North Fork Koktuli River
Frying Pan Lake
Upper Talarik
Upper Talarik Creek
SK100A
South Fork Koktuli River
South Fork Koktuli
Chiquita Lake
Kaskanak Creek
Kaskanak Creek
KC100A
UT100A
Lake #2
Lower Talarik Creek
Iliamna Lake

THE pebble PARTNERSHIP

Figure 9.1-1
Study Area Drainages,
Mine Study Area,
2004-2008

Legend

- Farthest Downstream Monitoring Station for each Drainage
- KR100A Station Label Example
- General Deposit Location
- Downstream Drainage Boundary

0 1 2 3 4 5 6 Miles

0 1 2 3 4 5 6 7 8 Kilometers

N

Scale 1:170,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: RDI_SLR_StudyAreaDrainages_Fig9-1-1_11X17L_1of1_D03.mxd	Date: July 19, 2011
Version: 3	Author: RDI- MRA, LS

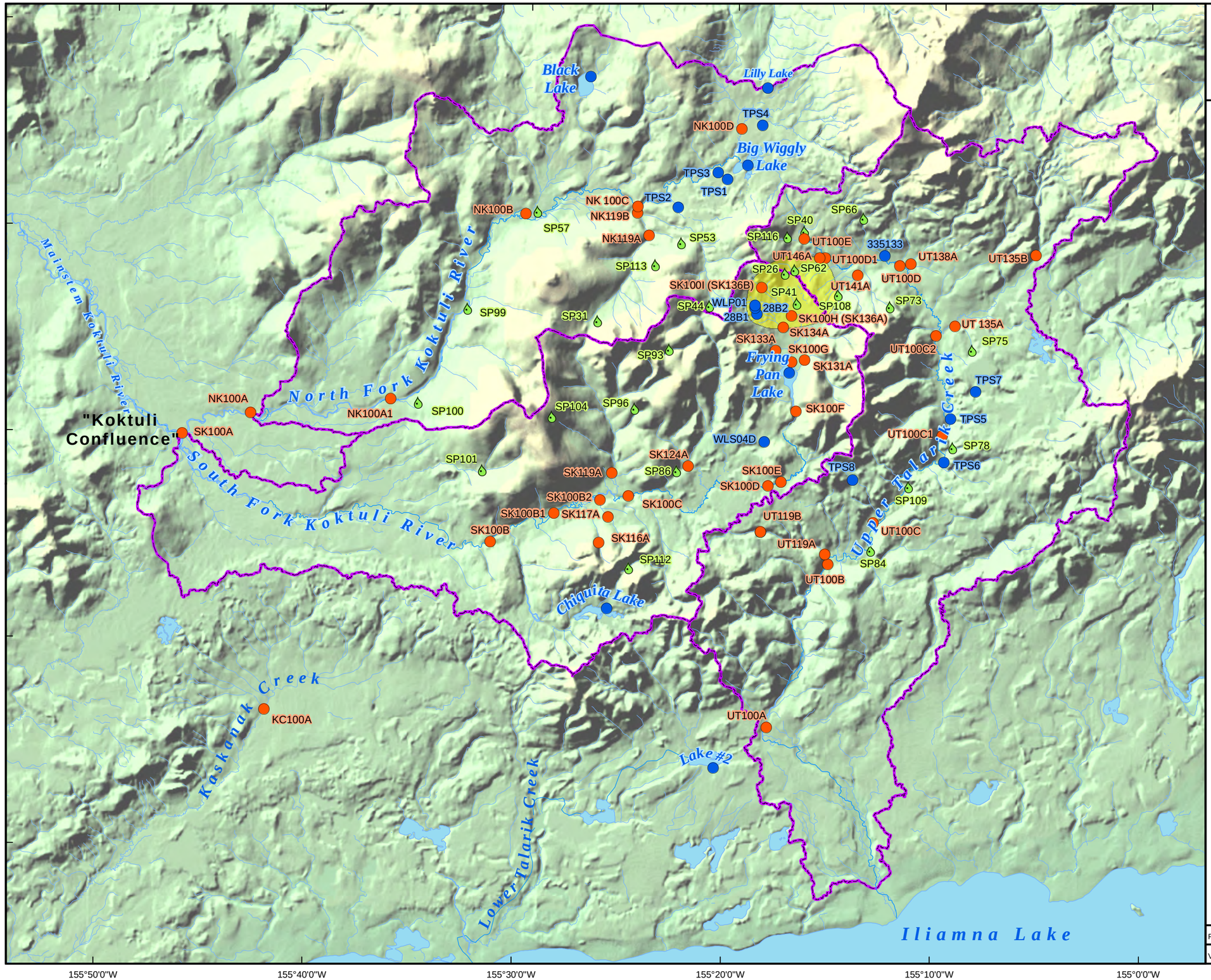

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Figure 9.1-2
Surface Water Quality Stream, Seep, and Lake Sampling Locations, Mine Study Area, 2004-2008

Legend

Sampling Locations

- Lakes — TPS7 — Station Label Example
- Seeps — SP75 — Station Label Example
- Streams — UT 135A — Station Label Example
- General Deposit Location

0 1 2 3 4 5 6 Miles

0 1 2 3 4 5 6 7 8 Kilometers

N

Scale 1:170,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: RDI_SLR_SurfaceWaterLocations_Fig9-1-2_11X17L_1of1_D03.mxd	Date: July 19, 2011
Version: 3	Author: RDI- MRA, LS

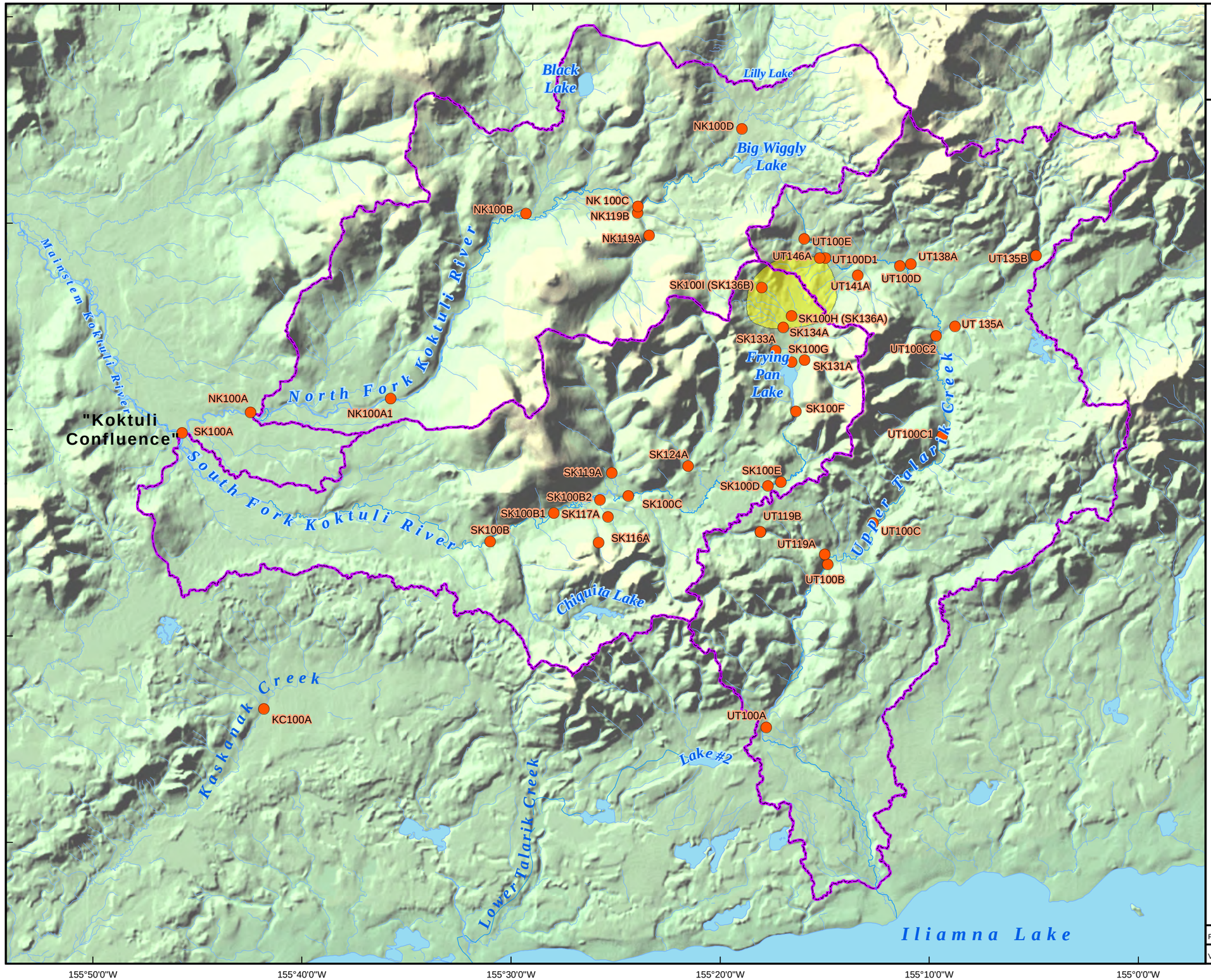

Figure 9.1-3
Surface Water Quality
Stream Sampling Locations,
Mine Study Area,
2004-2008

Legend

Sampling Locations

Streams
UT 135A Station Label Example

General Deposit Location

Miles
0 1 2 3 4 5 6

Kilometers
0 1 2 3 4 5 6 7 8

N

Scale 1:170,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: RDI_SLR_StreamSamplingLocations_Fig9-1-3_11X17L_1of1_D02.mxd	Date: June 17, 2011
Version: 2	Author: RDI- MRA, LS

155°50'0"W 155°40'0"W 155°30'0"W 155°20'0"W 155°10'0"W 155°0'0"W

59°55'0"N 59°50'0"N 59°45'0"N 59°40'0"N

Black Lake
Lilly Lake
Big Wiggly Lake
Frying Pan Lake
Chiquita Lake
Lake #2
Iliamna Lake

Mainstem Koktuli River
North Fork Koktuli River
South Fork Koktuli River
Kaskanak Creek
Lower Talarik Creek
Upper Talarik Creek

"Koktuli Confluence"

SP57 SP53 SP113 SP99 SP31 SP44 SP93 SP100 SP104 SP96 SP101 SP86 SP112 SP84 SP109 SP78 SP75 SP73 SP108 SP41 SP26 SP62 SP116 SP40 SP66

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Figure 9.1-4
Surface Water Quality
Seep Monitoring Sample Locations,
Mine Study Area,
2004-2008

Legend

Sampling Locations

Seeps
UT 135A Station Label Example

General Deposit Location

Downstream Drainage Boundary

Miles
0 1 2 3 4 5 6

Kilometers
0 1 2 3 4 5 6 7 8

N

Scale 1:170,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: RDI_SLR_SeepLocations_Fig9-1-4_11X17L_1of1_D02.mxd	Date: July 19, 2011
Version: 2	Author: RDI- MRA, LS

155°50'0"W 155°40'0"W 155°30'0"W 155°20'0"W 155°10'0"W 155°0'0"W

59°50'0"N 59°45'0"N 59°40'0"N

Black Lake
Lilly Lake
Big Wiggly Lake
Frying Pan Lake
Mainstem Koktuli River
North Fork Koktuli River
"Koktuli Confluence"
South Fork Koktuli River
Upper Talarik Creek
Chiquita Lake
Kaskanak Creek
Lower Talarik Creek
Lake #2
Iliamna Lake

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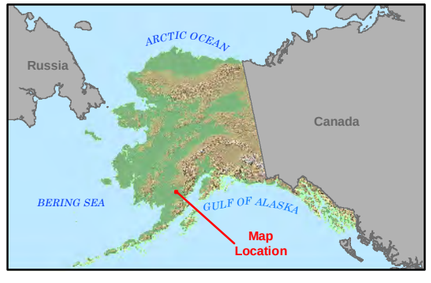
Figure 9.1-5
2004 - 2008
Comprehensive Seep Inventory,
Mine Study Area

Legend

Seep Sample Year

- 2005
- 2006
- 2007
- General Deposit Location
- Downstream Drainage Boundary



0 1 2 3 4 5 6 Miles

0 1 2 3 4 5 6 7 8 Kilometers

N

Scale 1:170,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: RDI_SLR_SeepInventory_Fig9-1-5_11X17L_1of1_D01.mxd	Date: June 20, 2011
Version: 1	Author: RDI- MRA, LS

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59°55'0"N 59°50'0"N 59°45'0"N 59°40'0"N

Black Lake
Lilly Lake
TPS4
Big Wiggly Lake
TPS3
TPS1
TPS2
335133
WLP01
28B1
28B2
Frying Pan Lake
TPS7
TPS5
WLS04D
TPS8
TPS6
Upper Talarik Creek
Mainstem Koktuli River
North Fork Koktuli River
"Koktuli Confluence"
South Fork Koktuli River
Chiquita Lake
Kaskanak Creek
Lake #2
Lower Talarik Creek
Iliamna Lake

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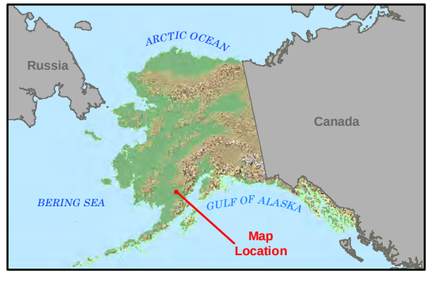
Figure 9.1-6
Surface Water Quality
Lake Sampling Locations,
Mine Study Area

Legend

Sampling Locations

- Lakes
- TPS7 Station Label Example
- General Deposit Location
- Downstream Drainage Boundary



Miles
0 1 2 3 4 5 6

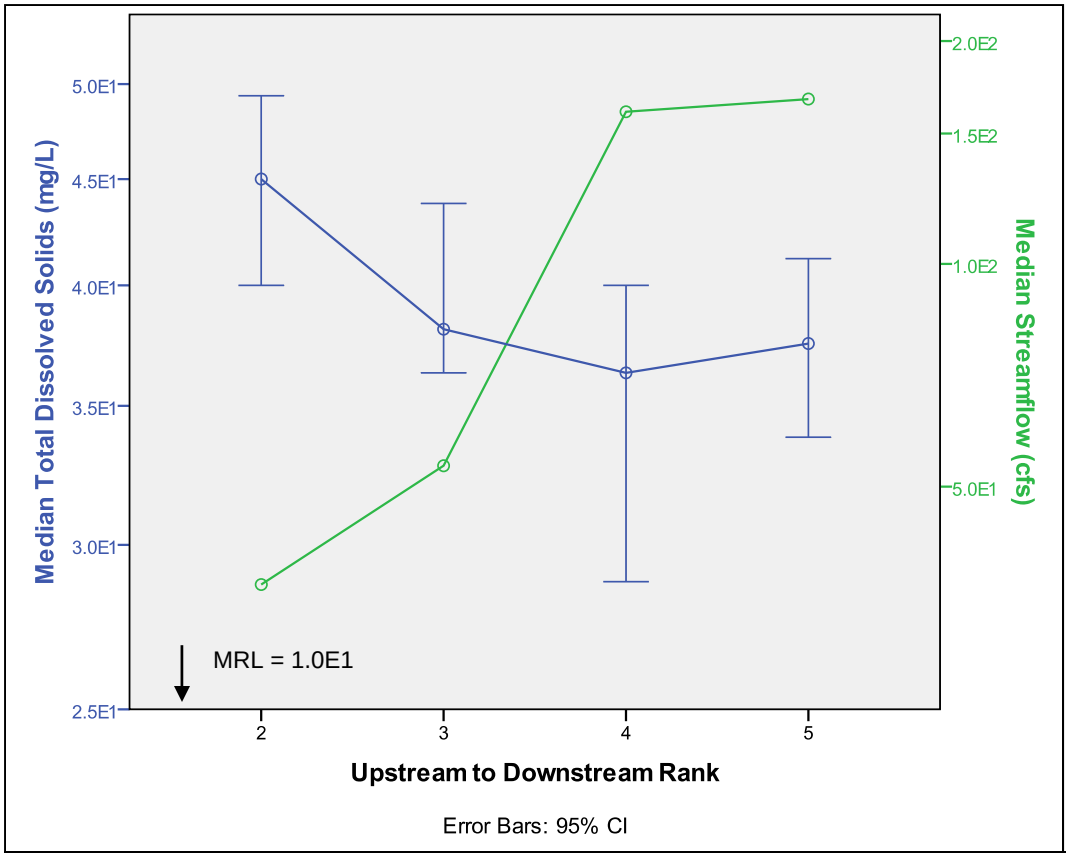
Kilometers
0 1 2 3 4 5 6 7 8

N

Scale 1:170,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: RDI_SLR_LakeSamplingLocations_Fig9-1-344_11X17L_1of1_D01.mxd	Date: June 20, 2011
Version: 1	Author: RDI- MRA, LS



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

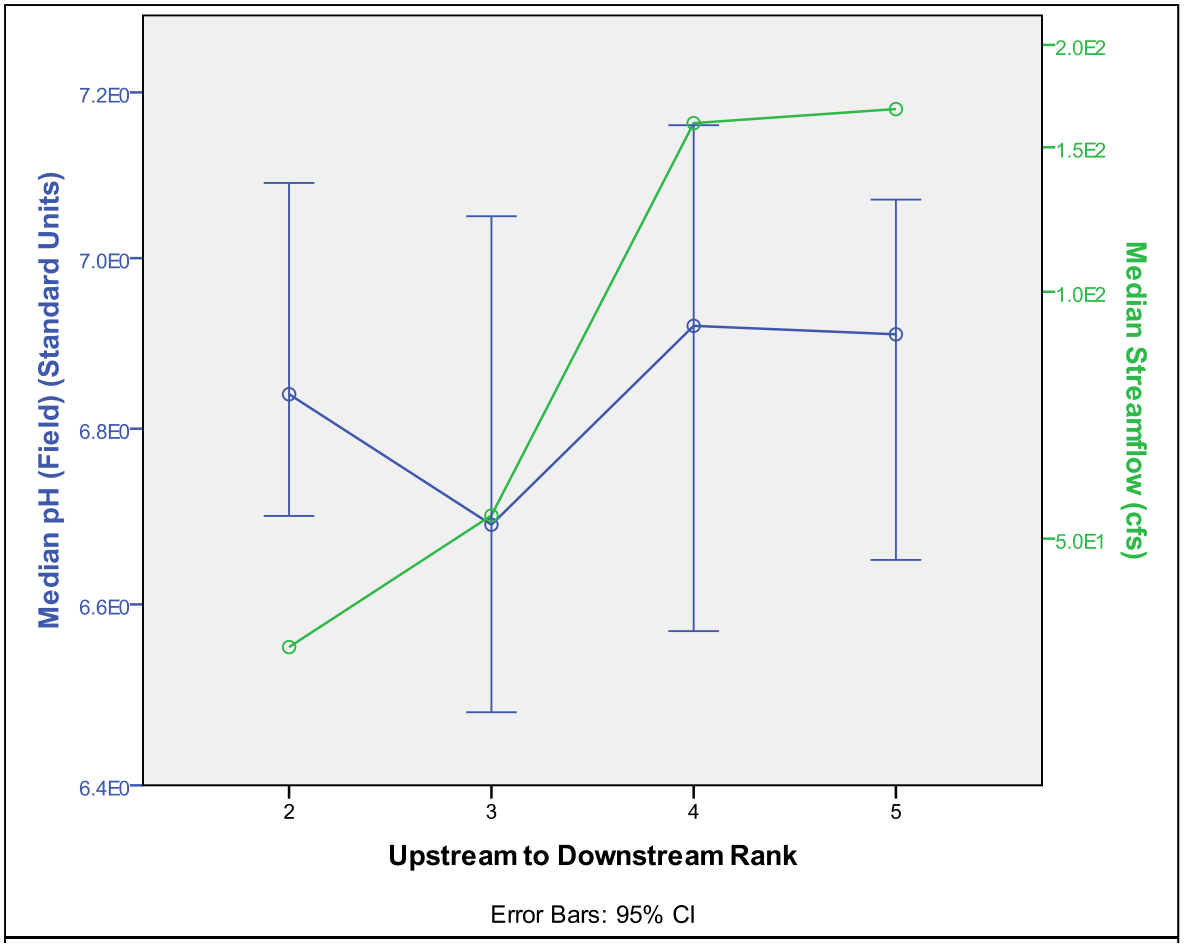
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-7
Total Dissolved Solids Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

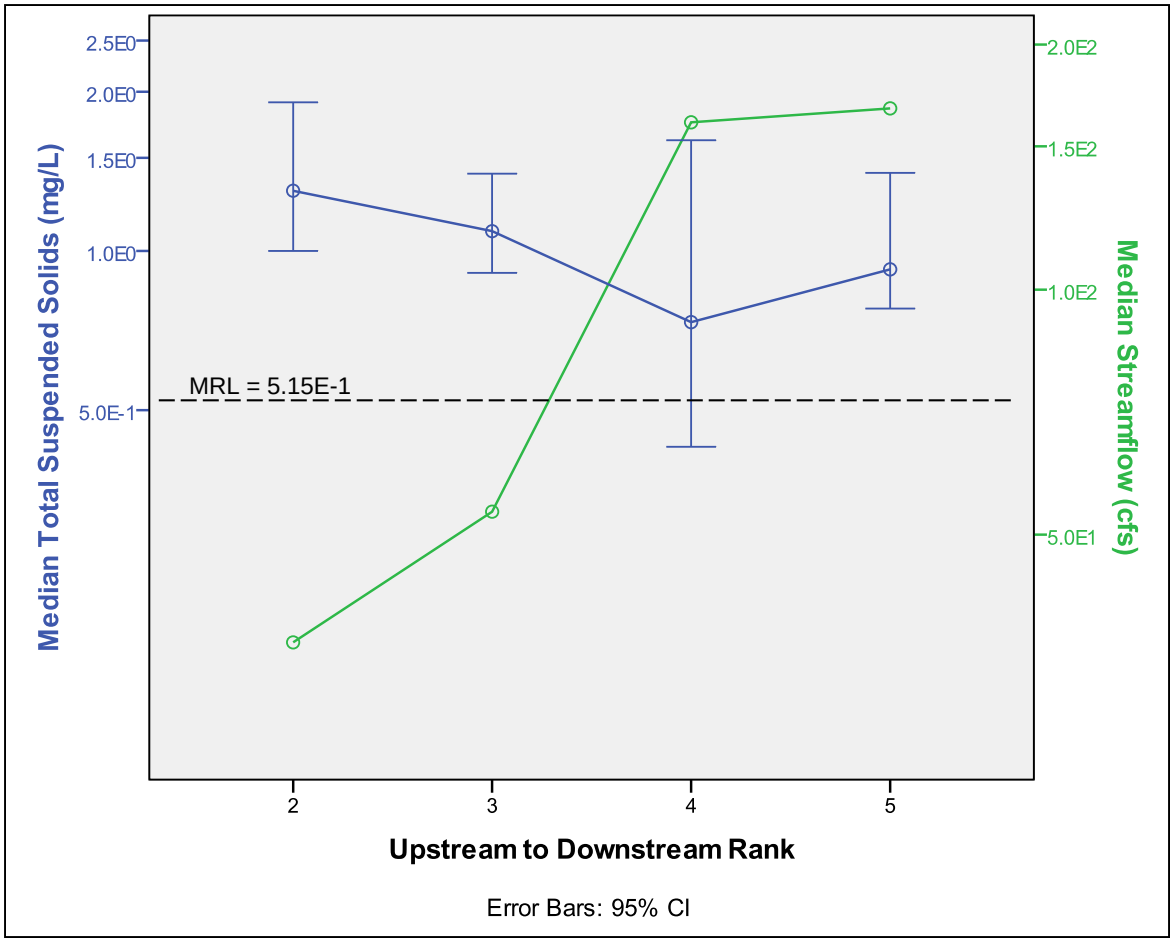
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-8
pH (Field) in Surface Water and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

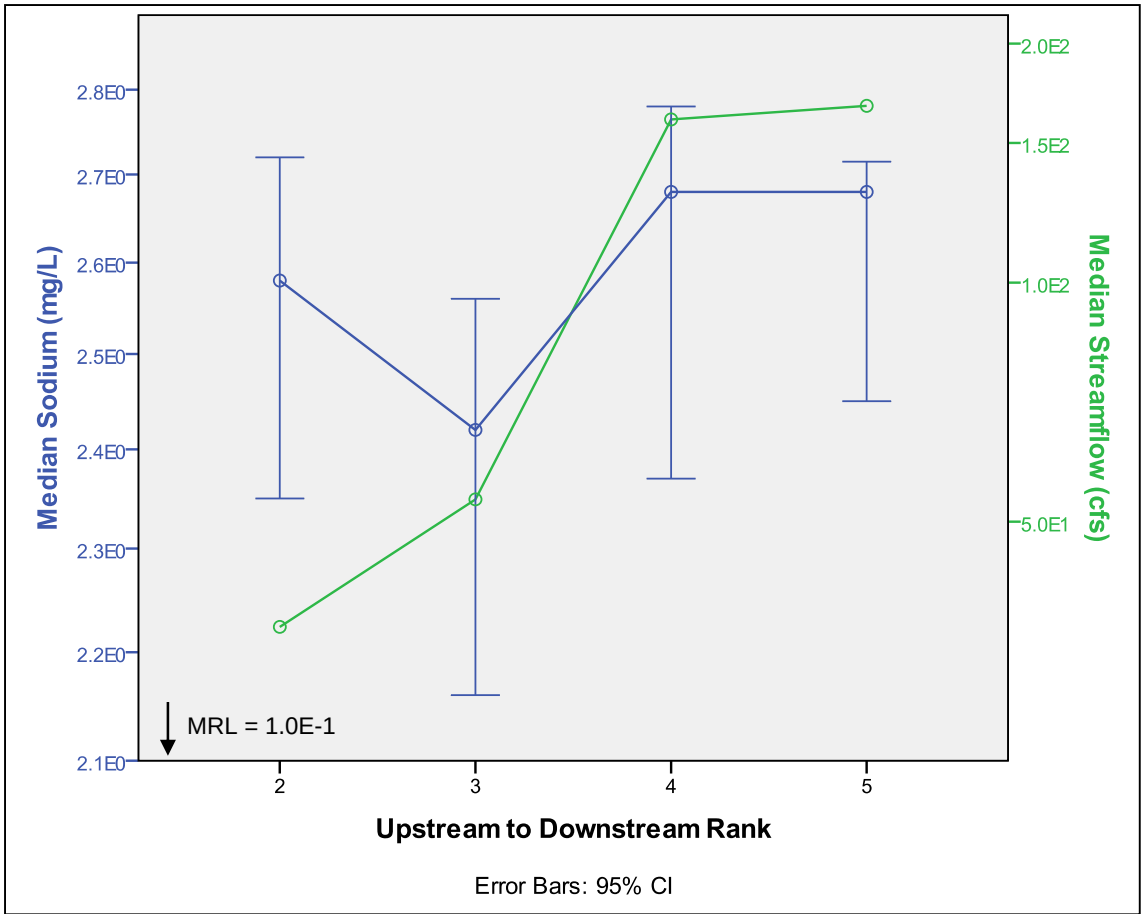
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-9
Total Suspended Solids Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

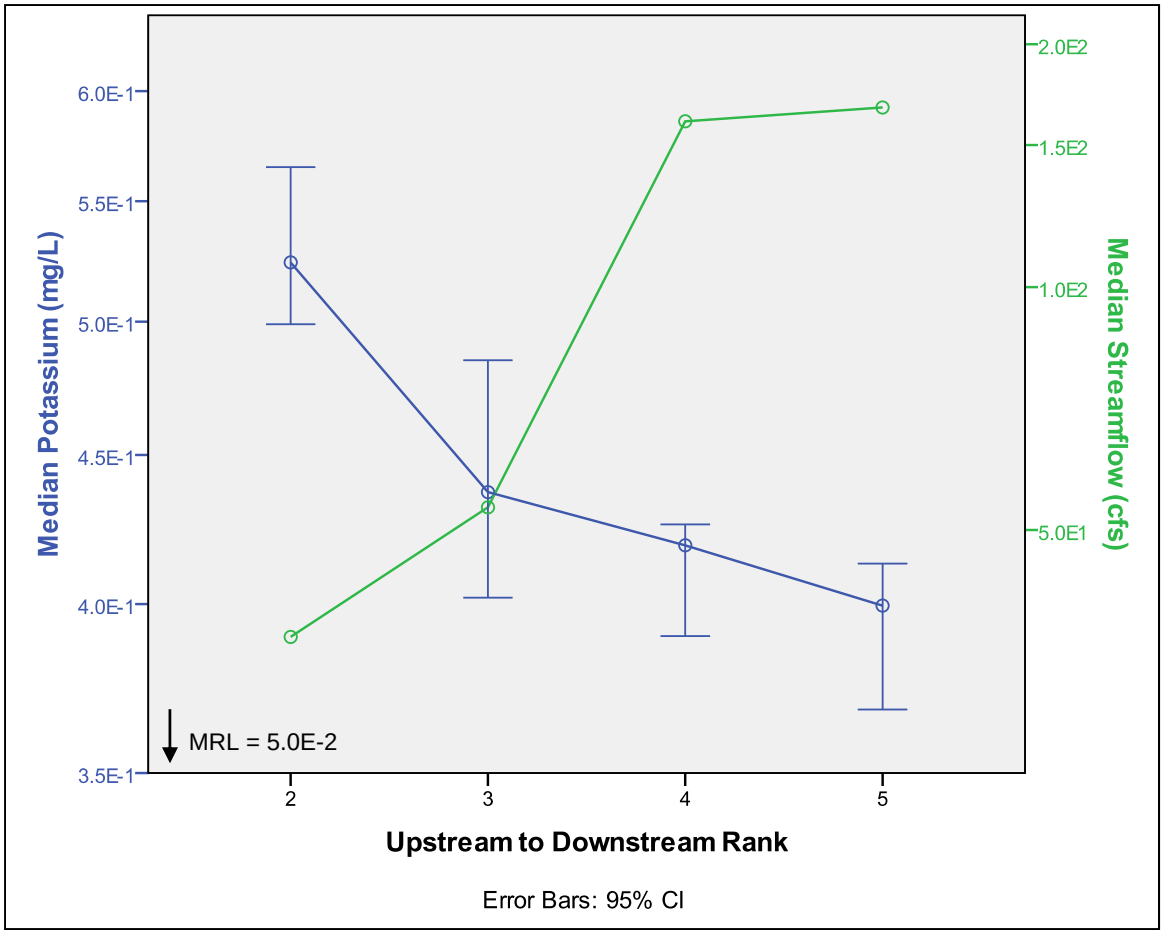
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-10
Sodium (Total) Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

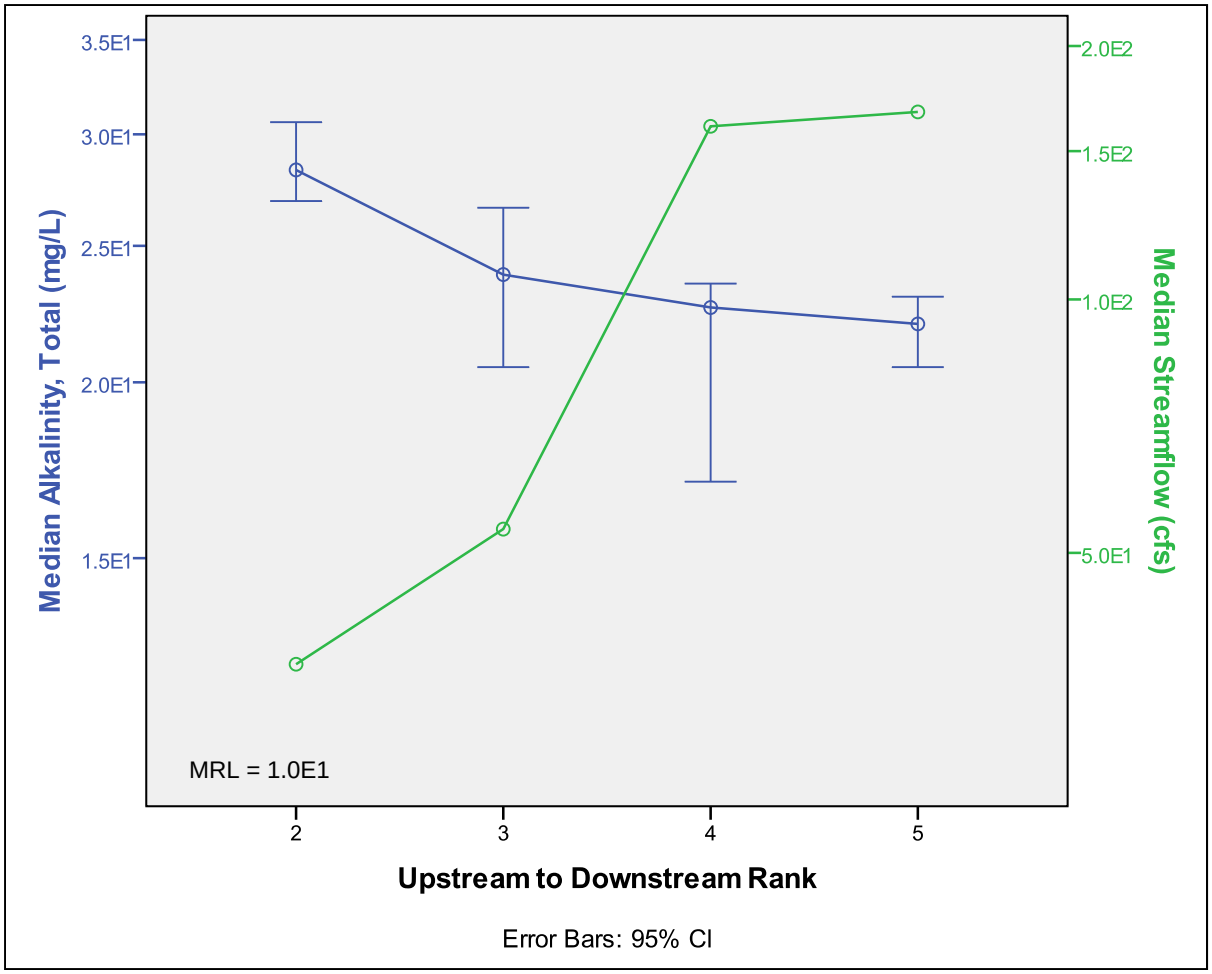
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK 100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-11
Potassium Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

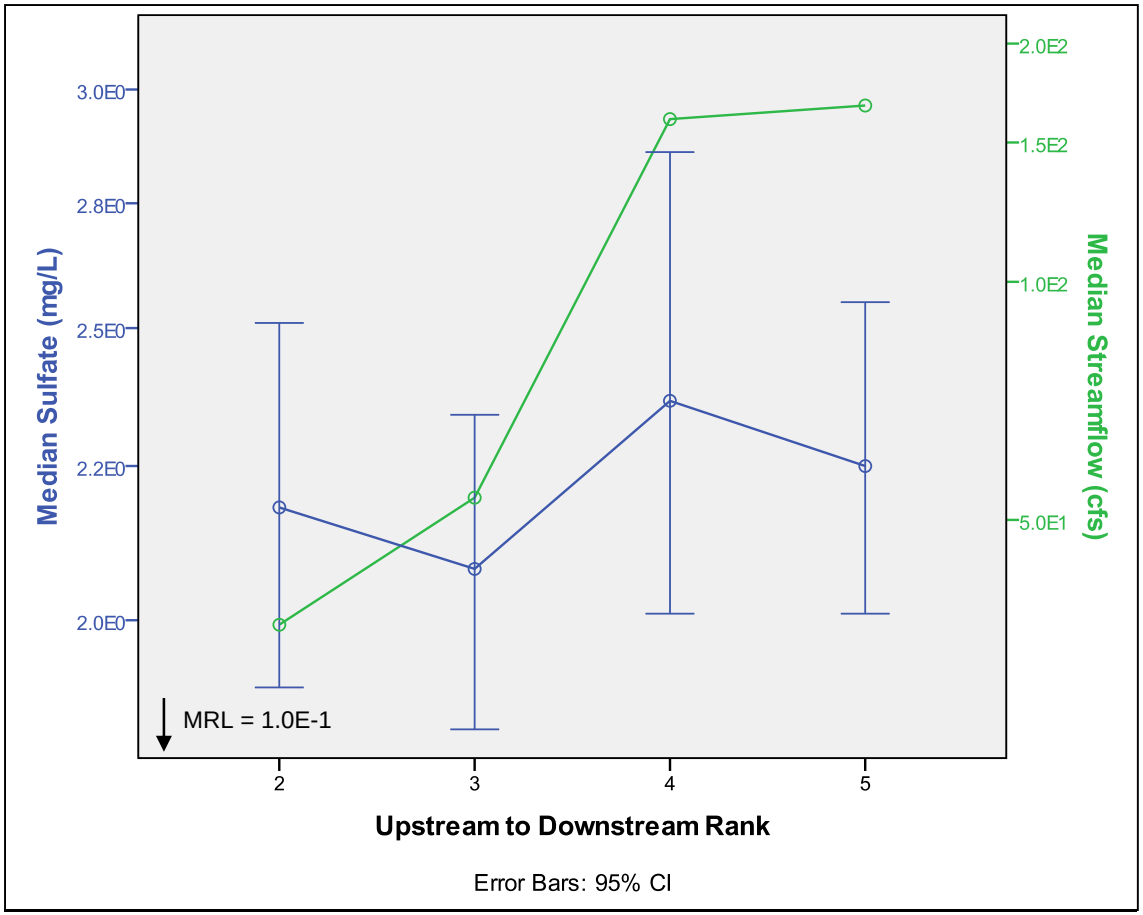
FIGURE 9.1-12
Alkalinity (Total) Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

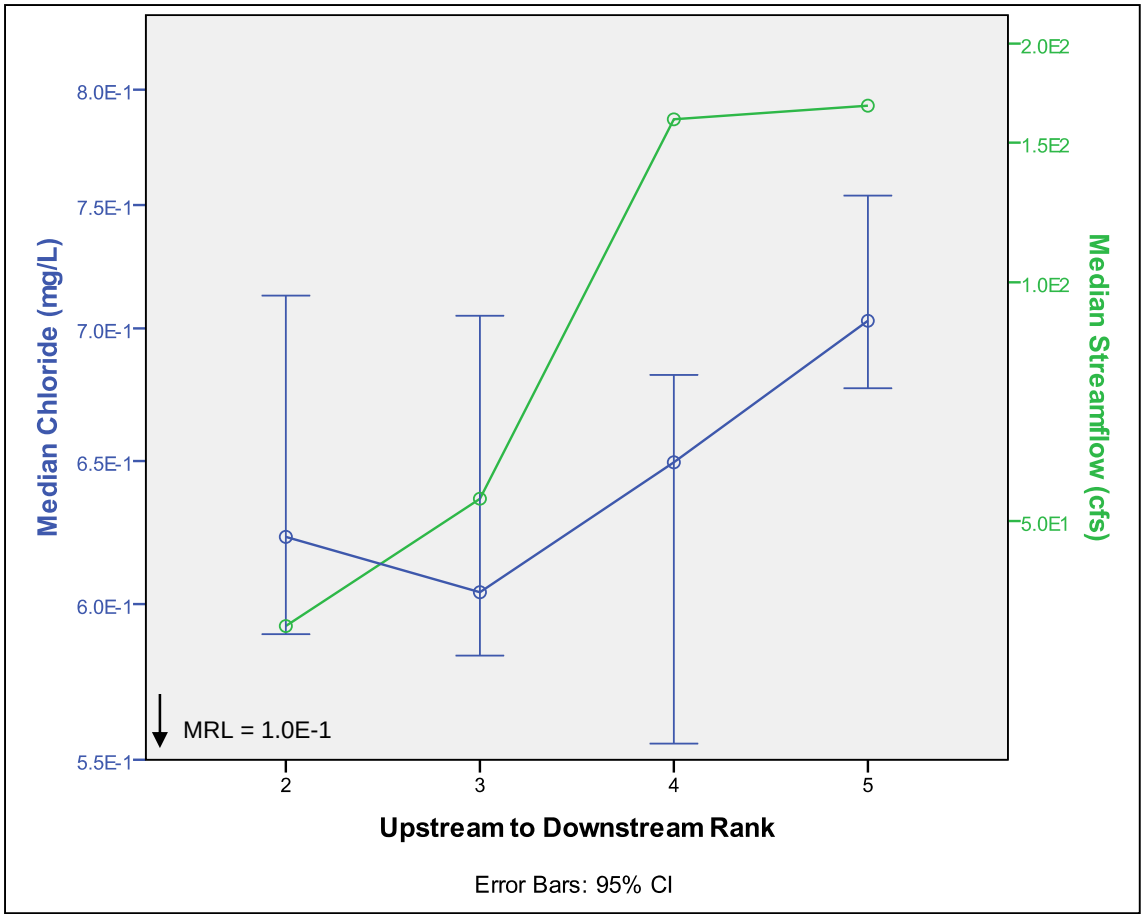
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-13
Sulfate Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

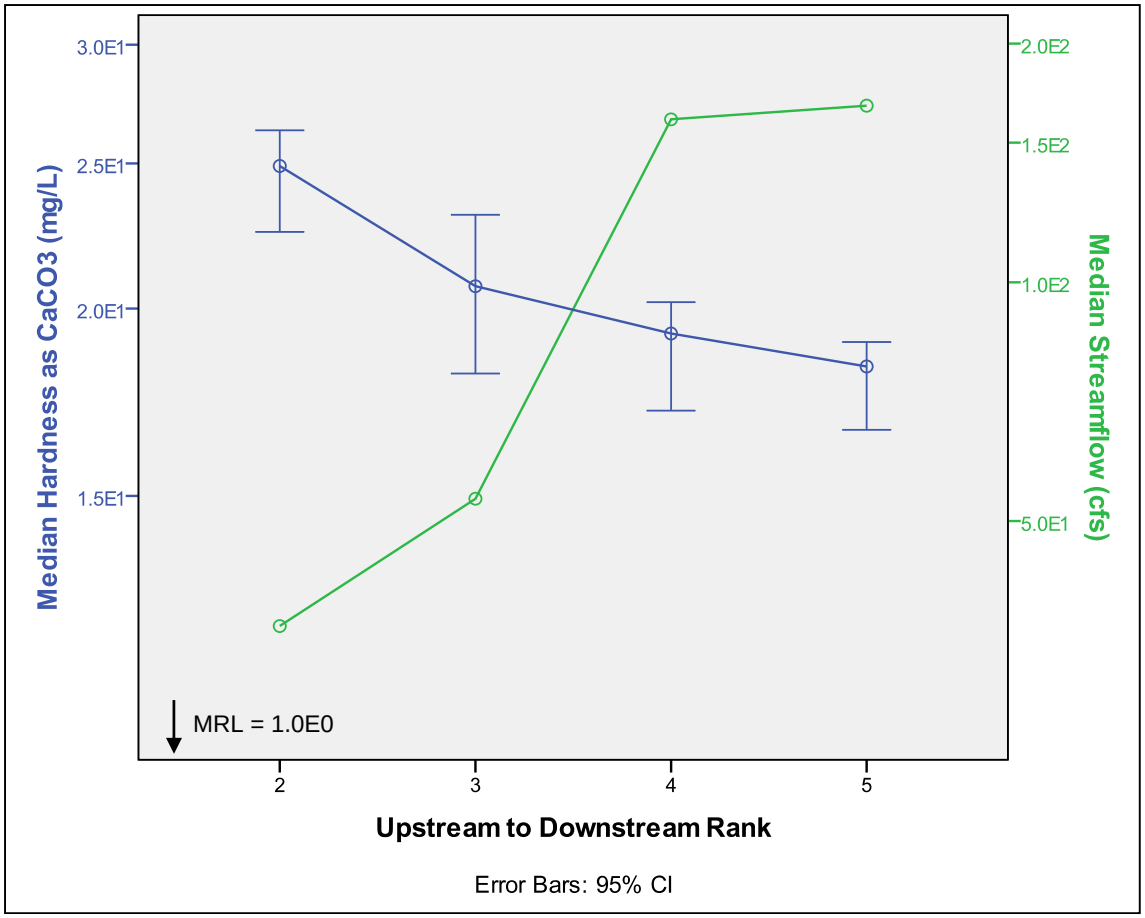
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-14
Chloride Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

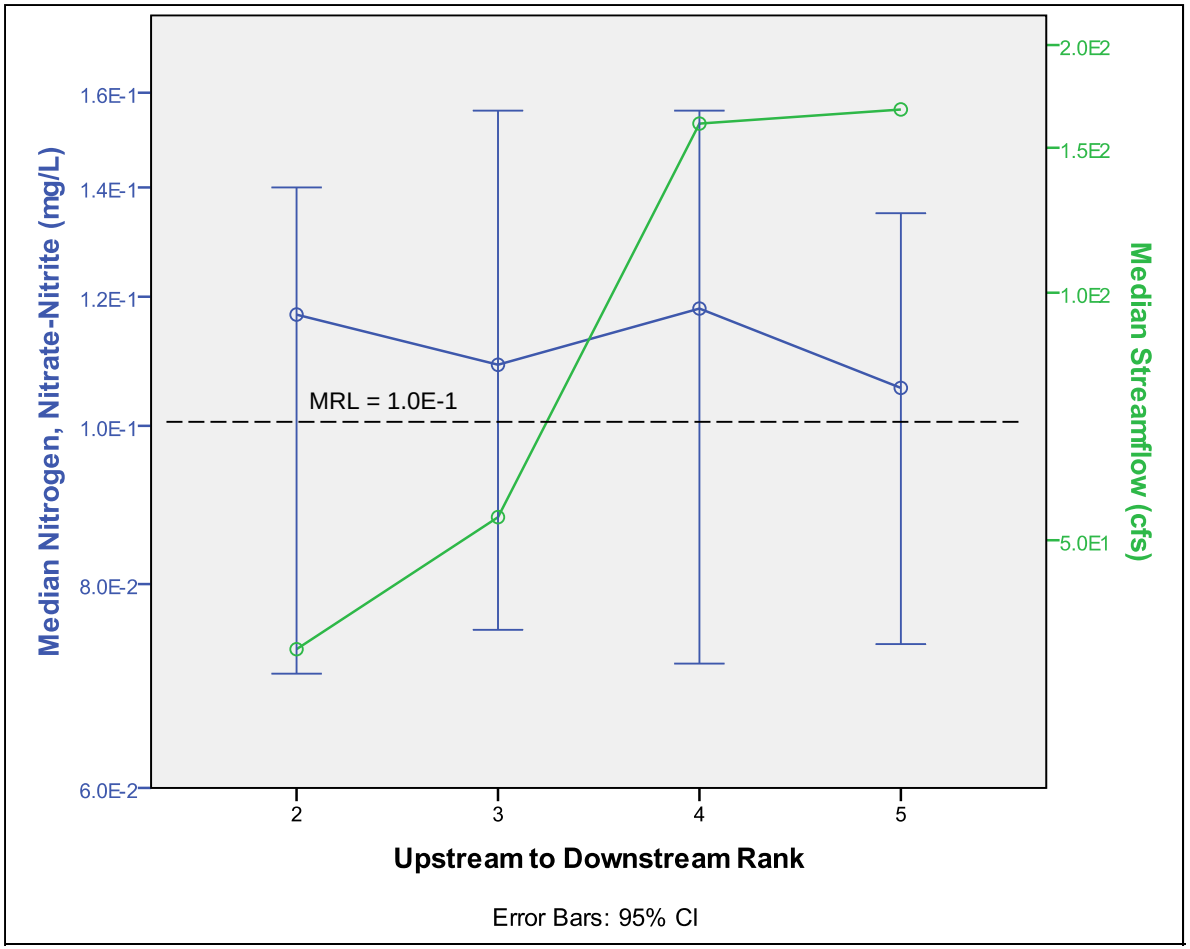
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-15
Hardness (Total, as $CaCO_3$, Not Filtered) Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

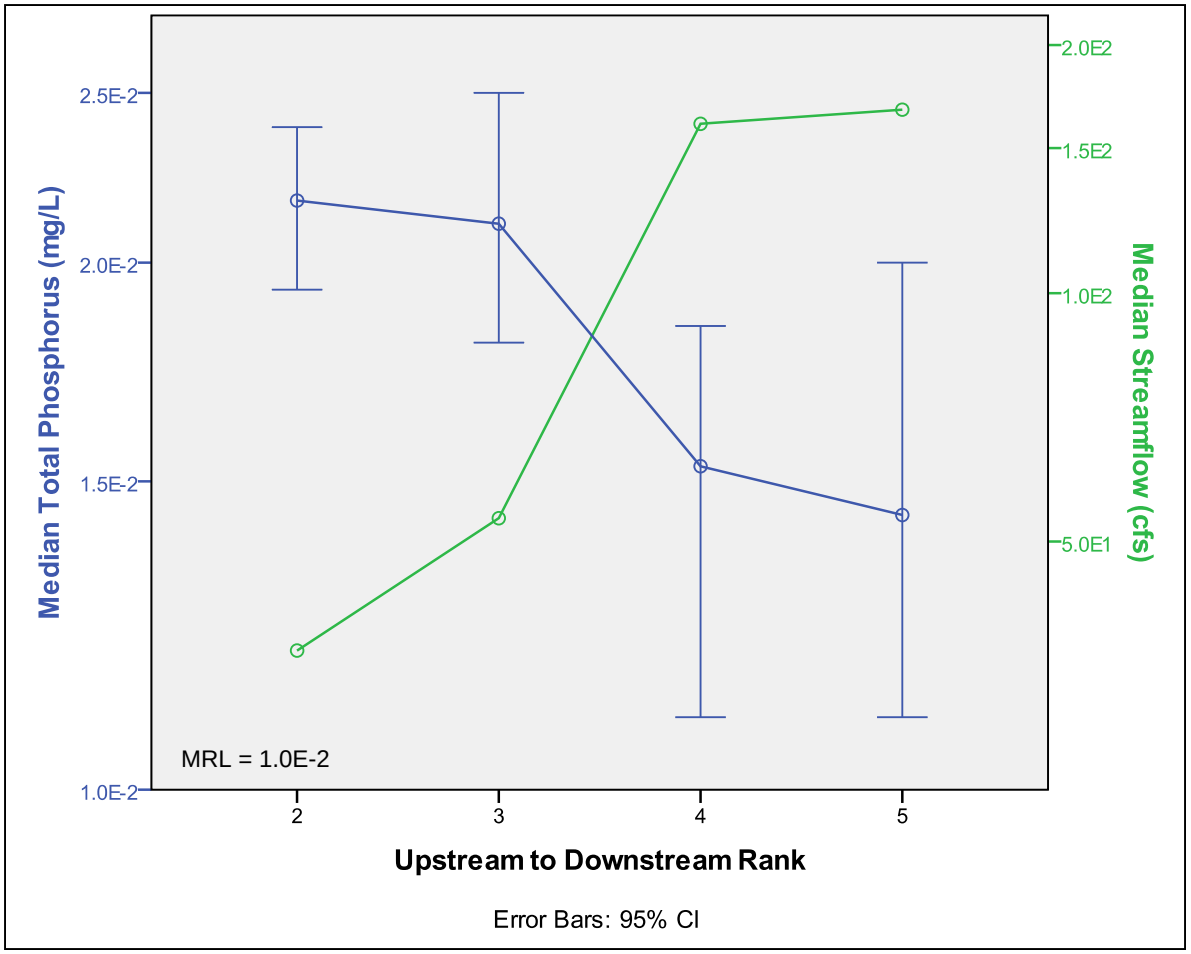
Notes:

a) Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b) Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-16
Total Nitrate+Nitrite (as N) Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

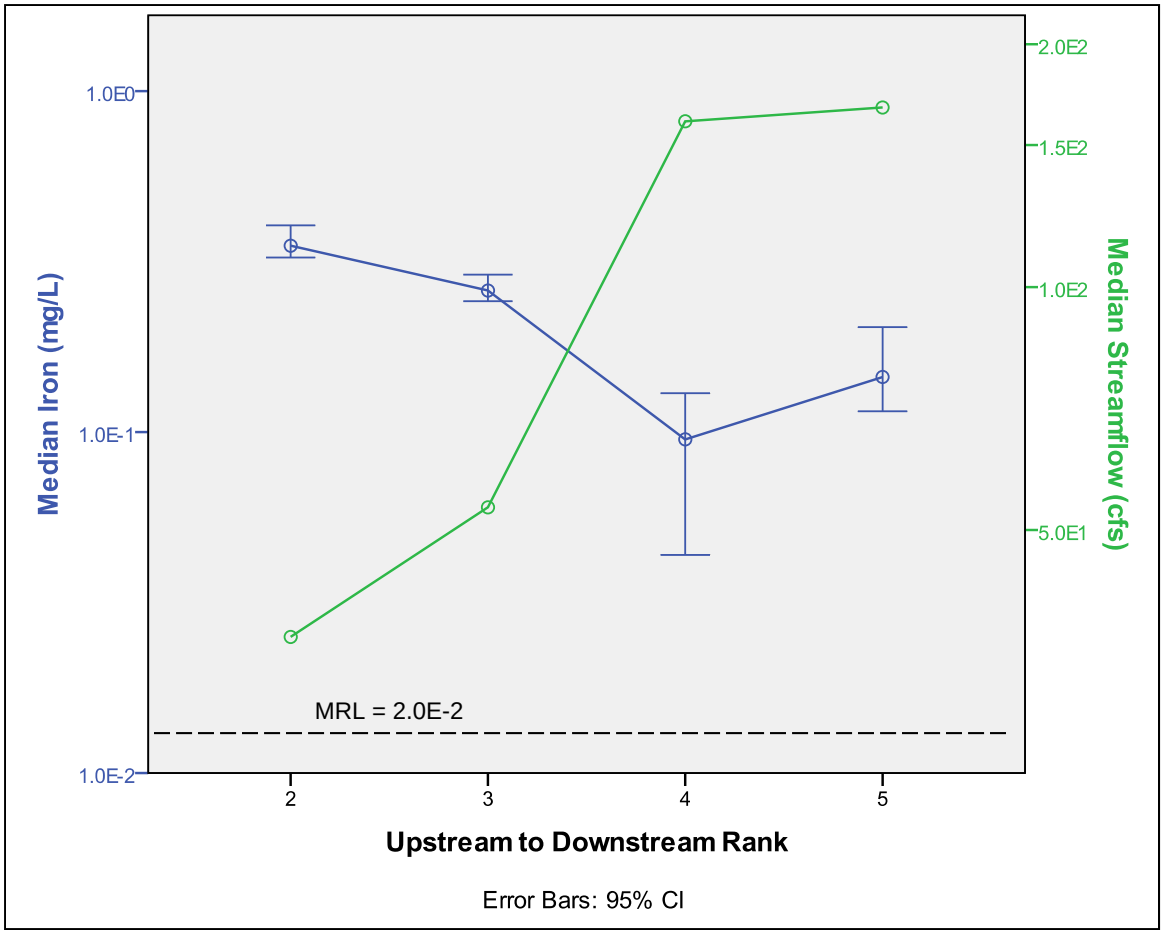
Notes:

a) Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b) Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-17
Total Phosphorus Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

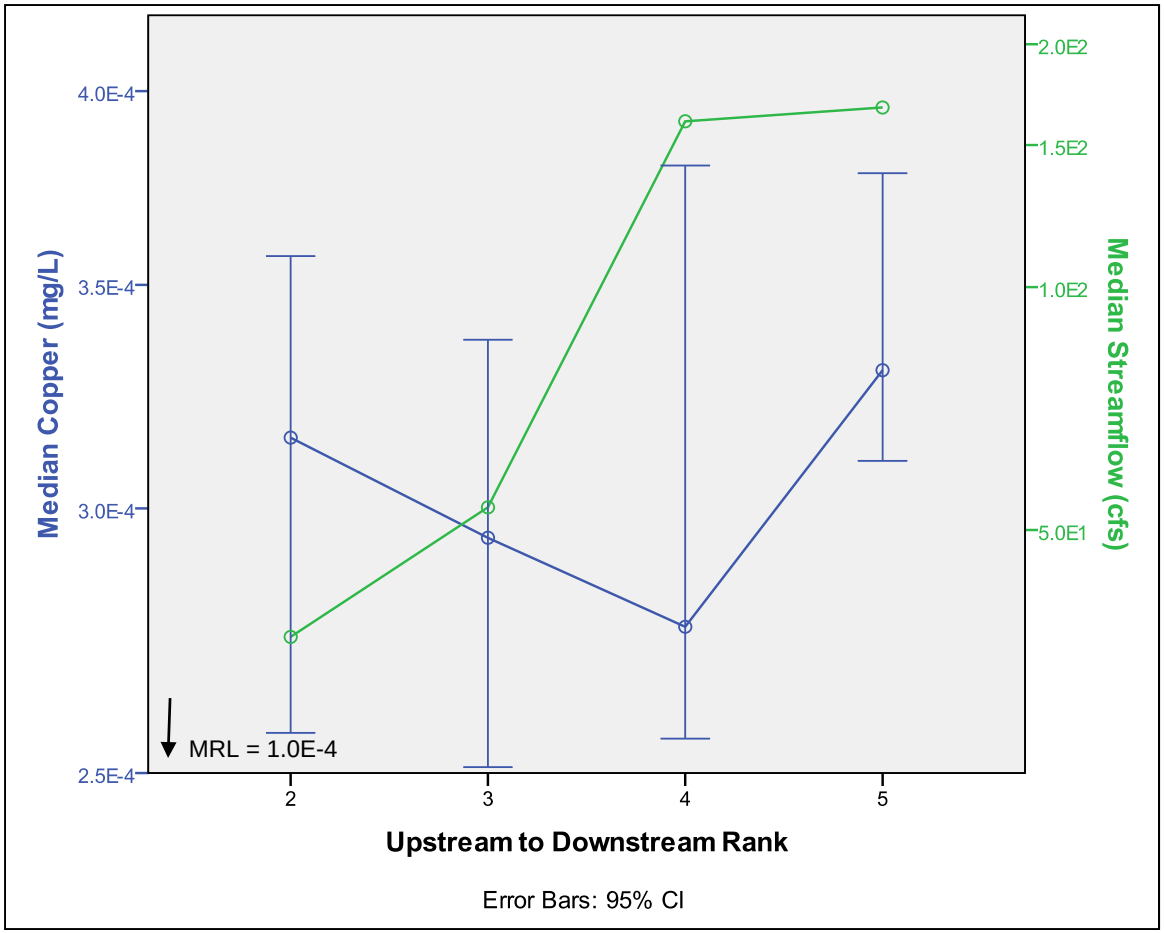
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-18
Iron Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

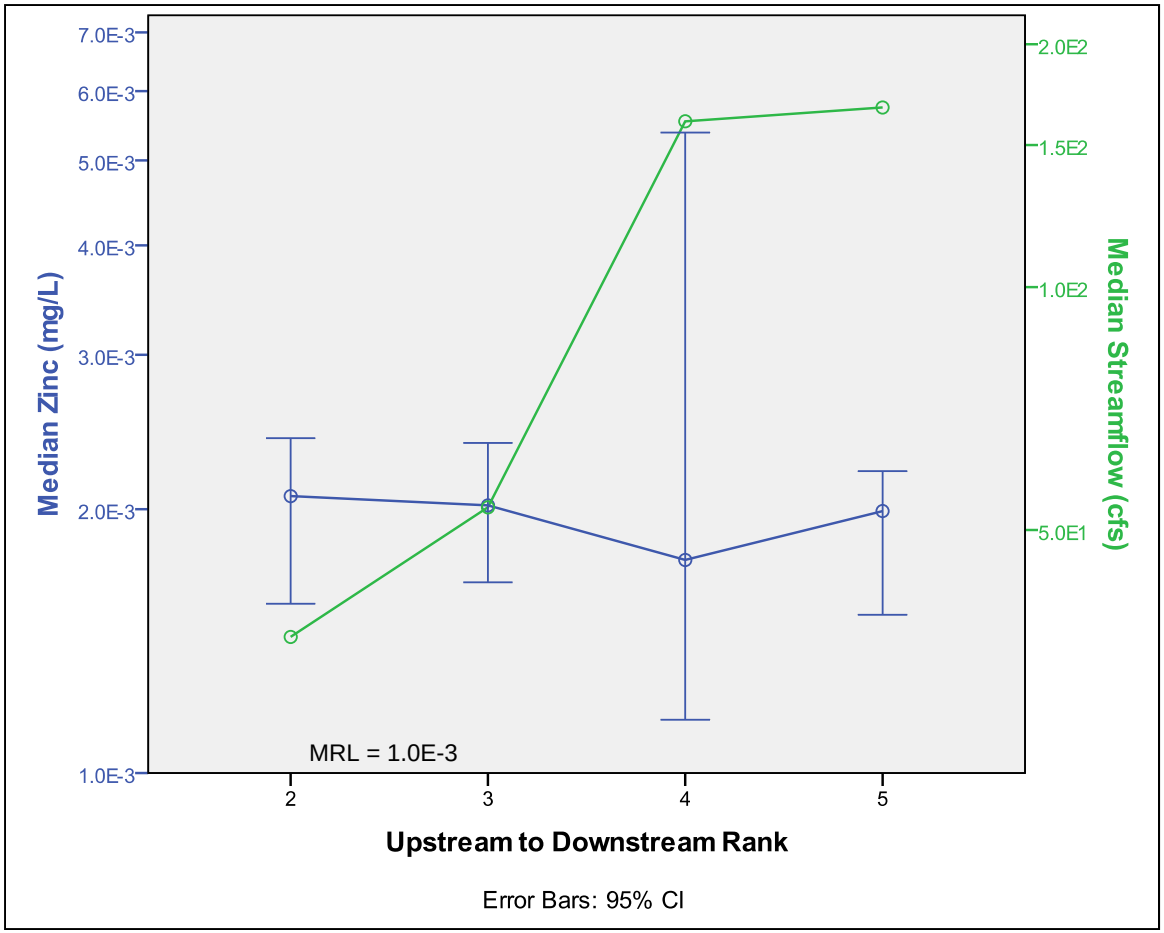
FIGURE 9.1-19
Copper Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

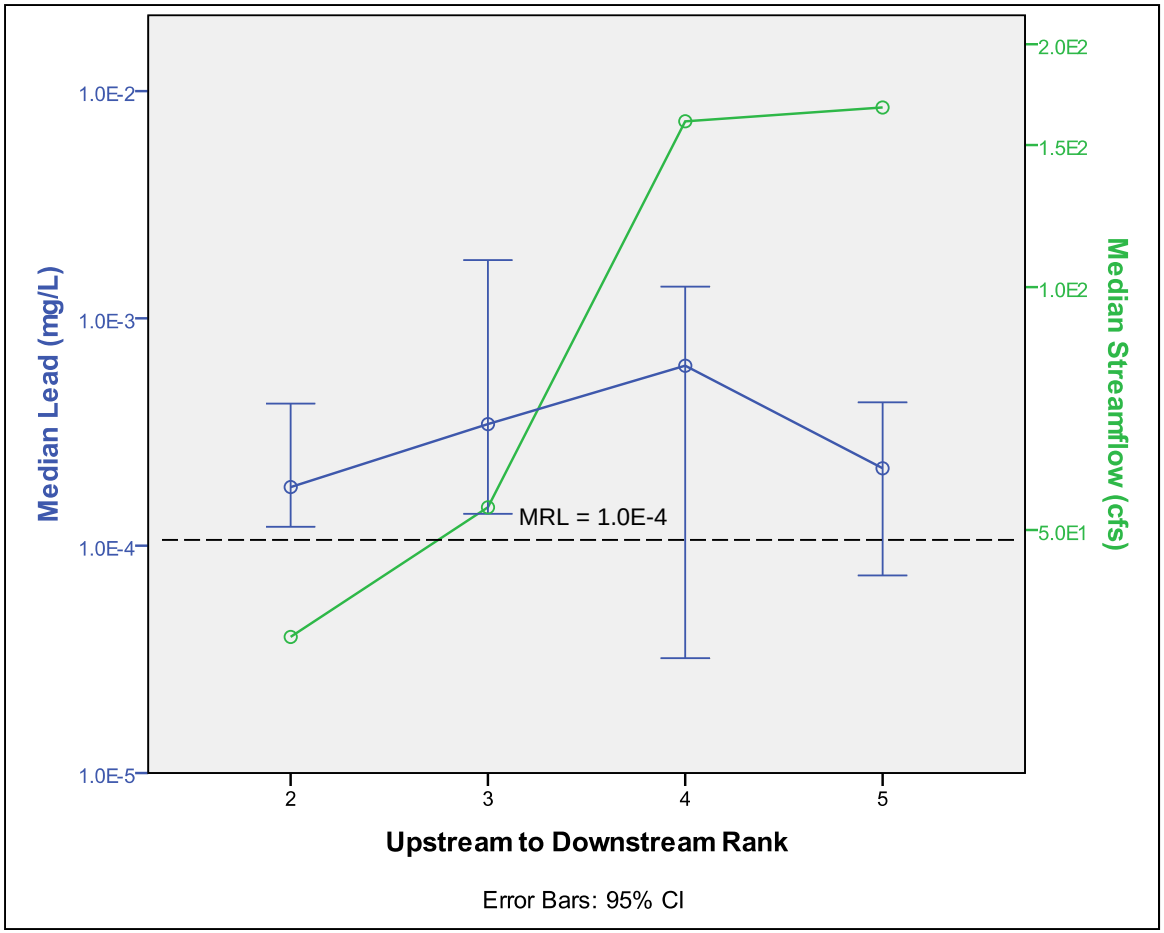
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-20
Zinc Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

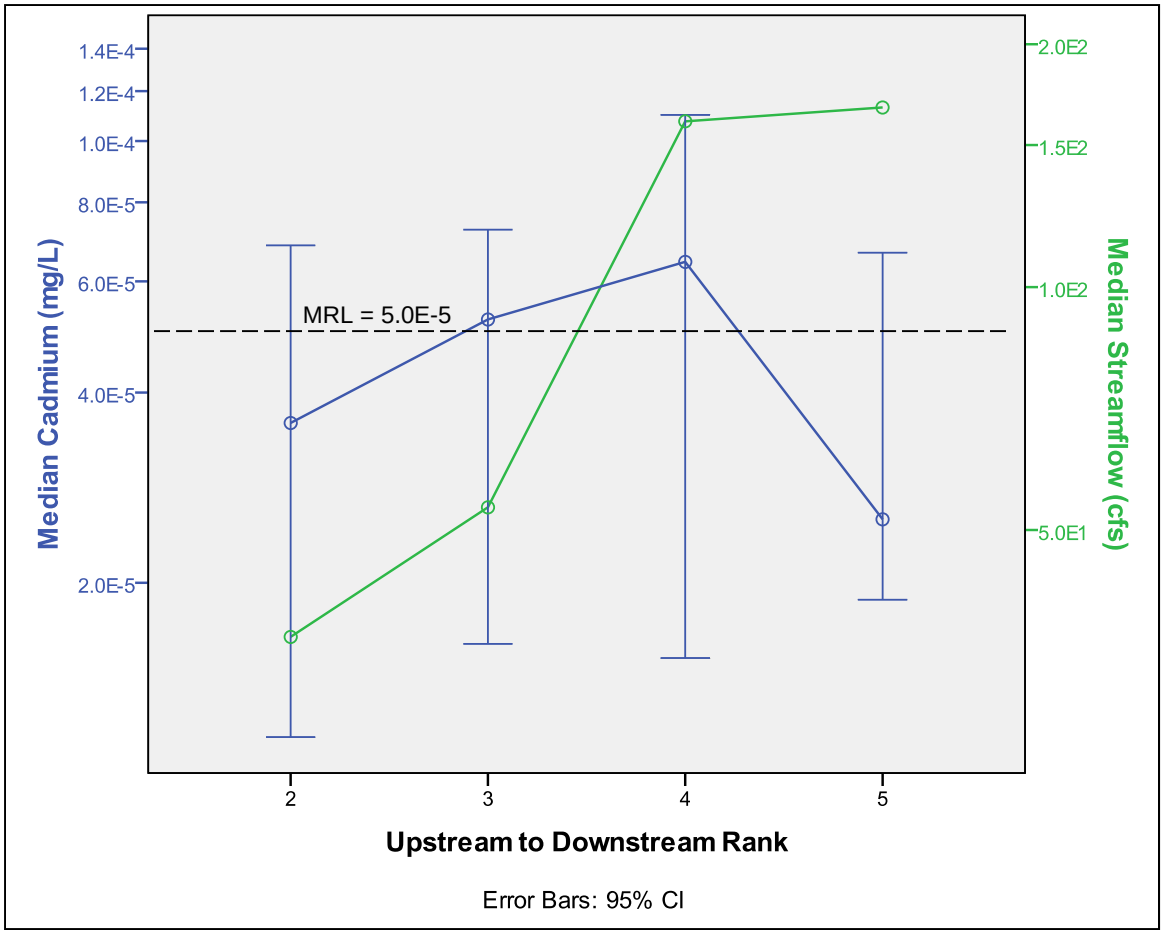
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-21
Lead Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

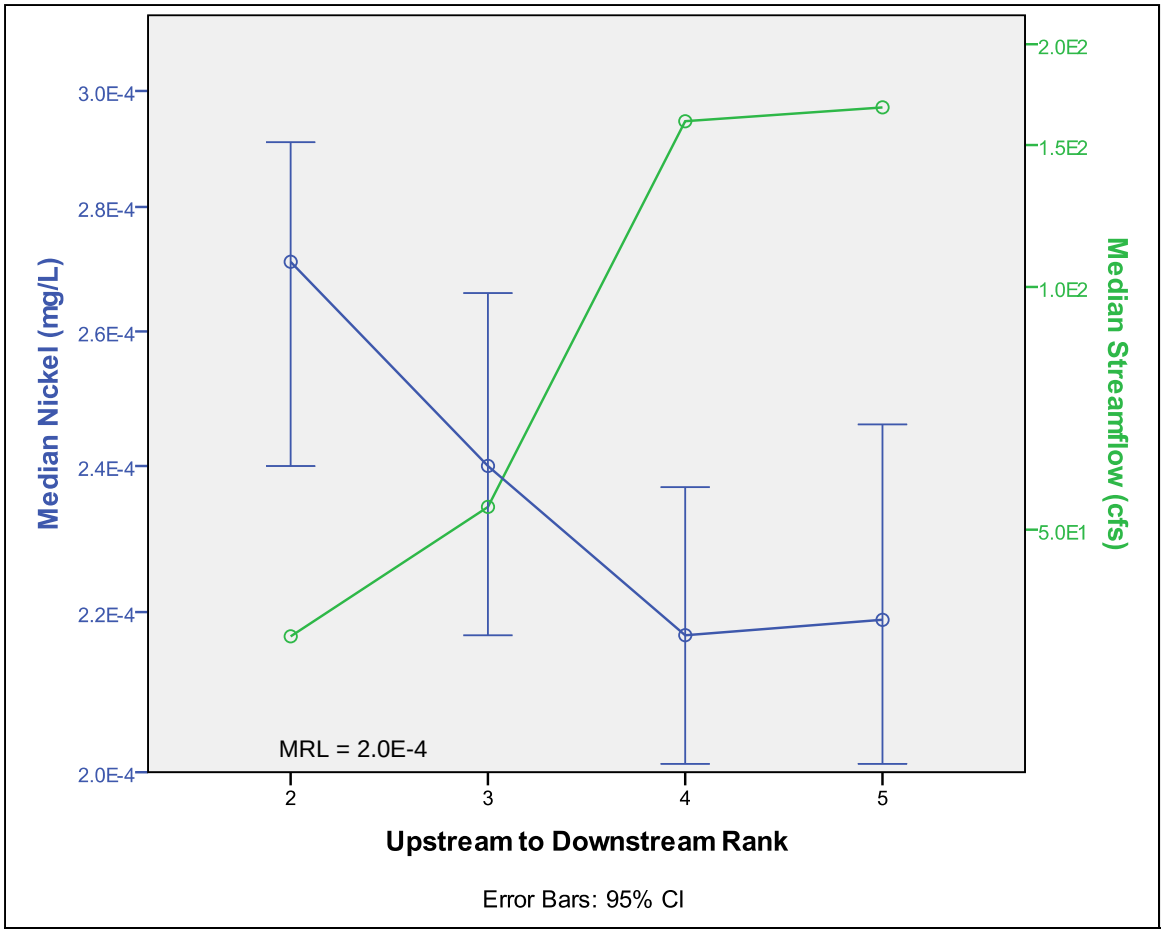
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-22
Cadmium Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

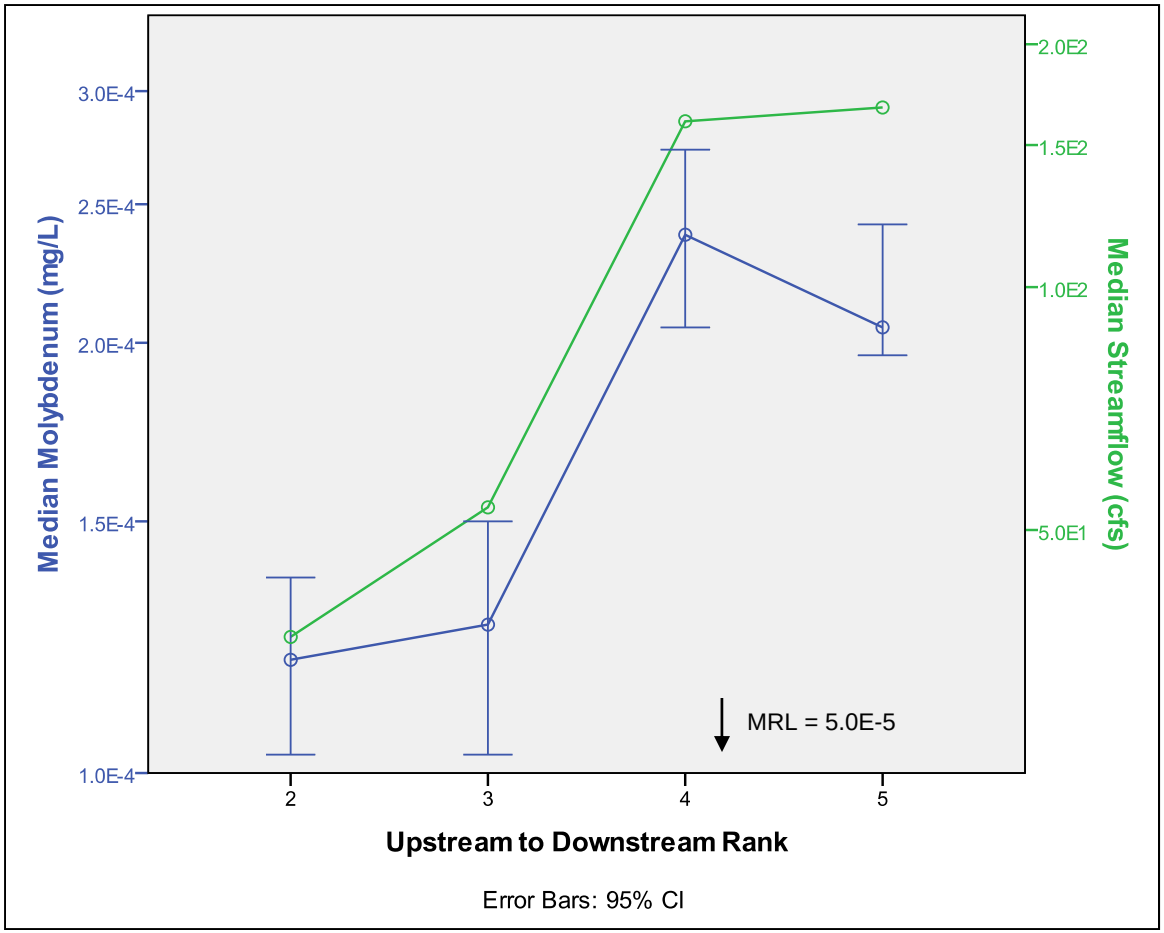
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-23
Nickel Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

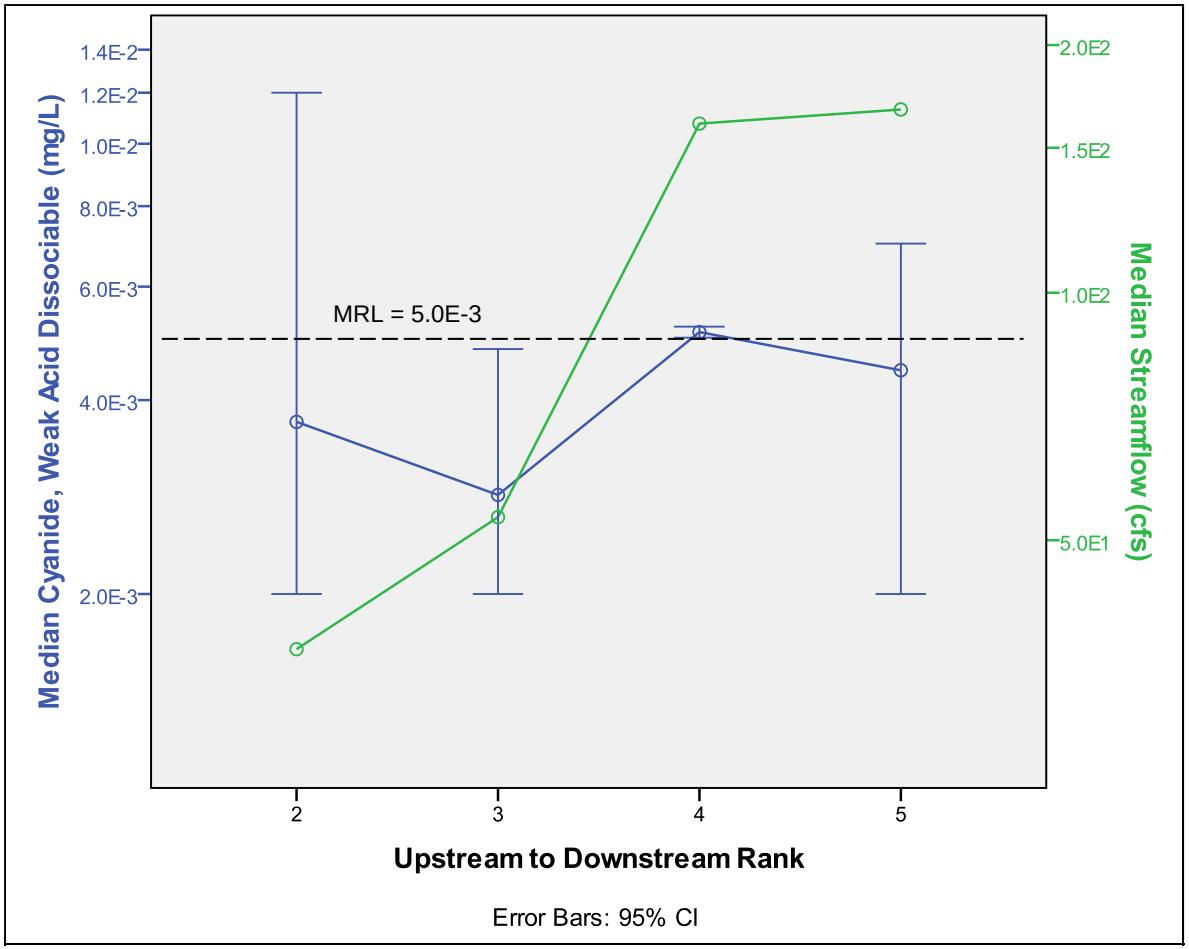
FIGURE 9.1-24
Molybdenum Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for location 1 (NK100D). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

FIGURE 9.1-25
Cyanide, Weak Acid Dissociable Surface Water Concentrations and Streamflow in the North Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.

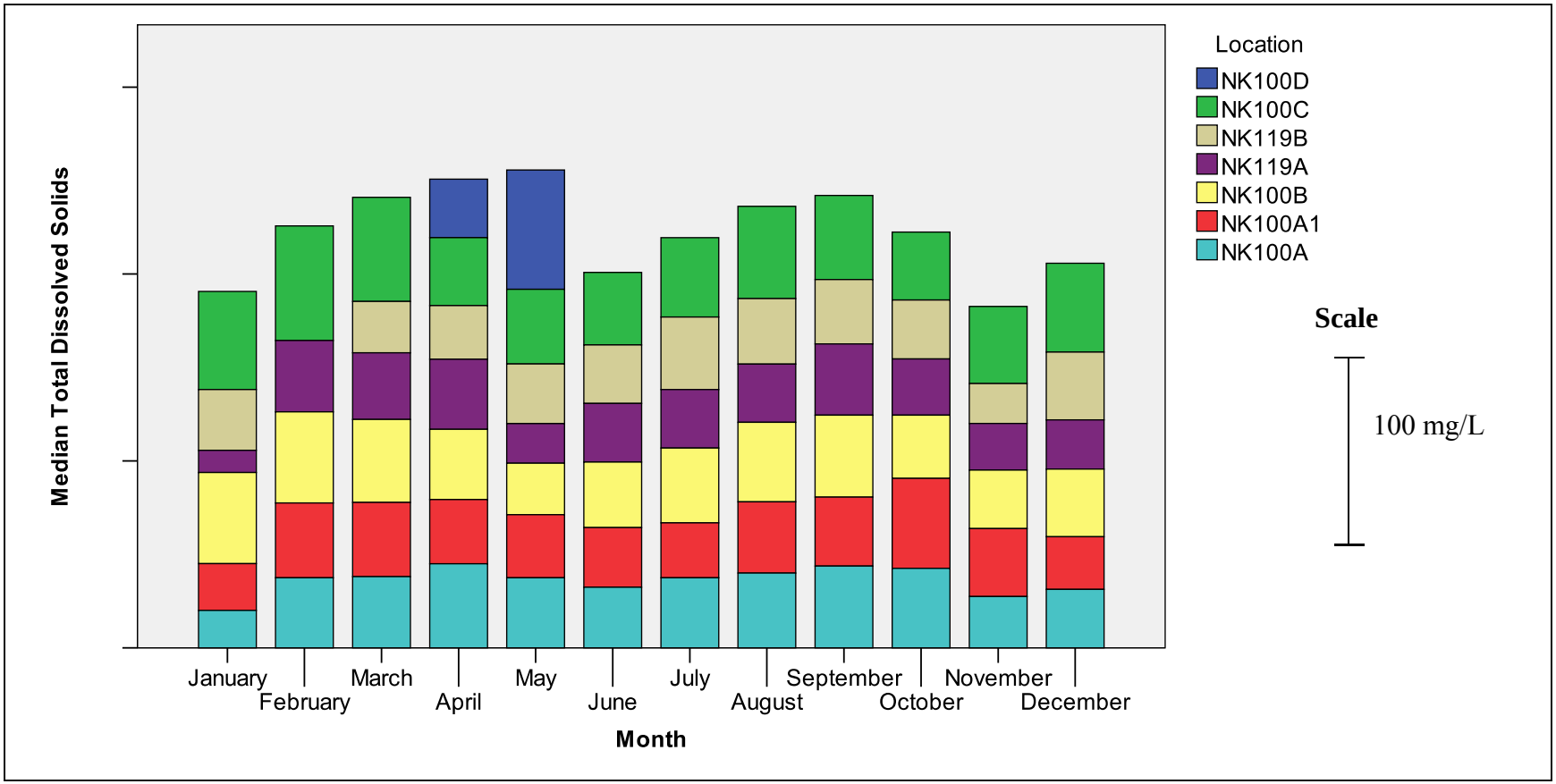


FIGURE 9.1-26
Total Dissolved Solids Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

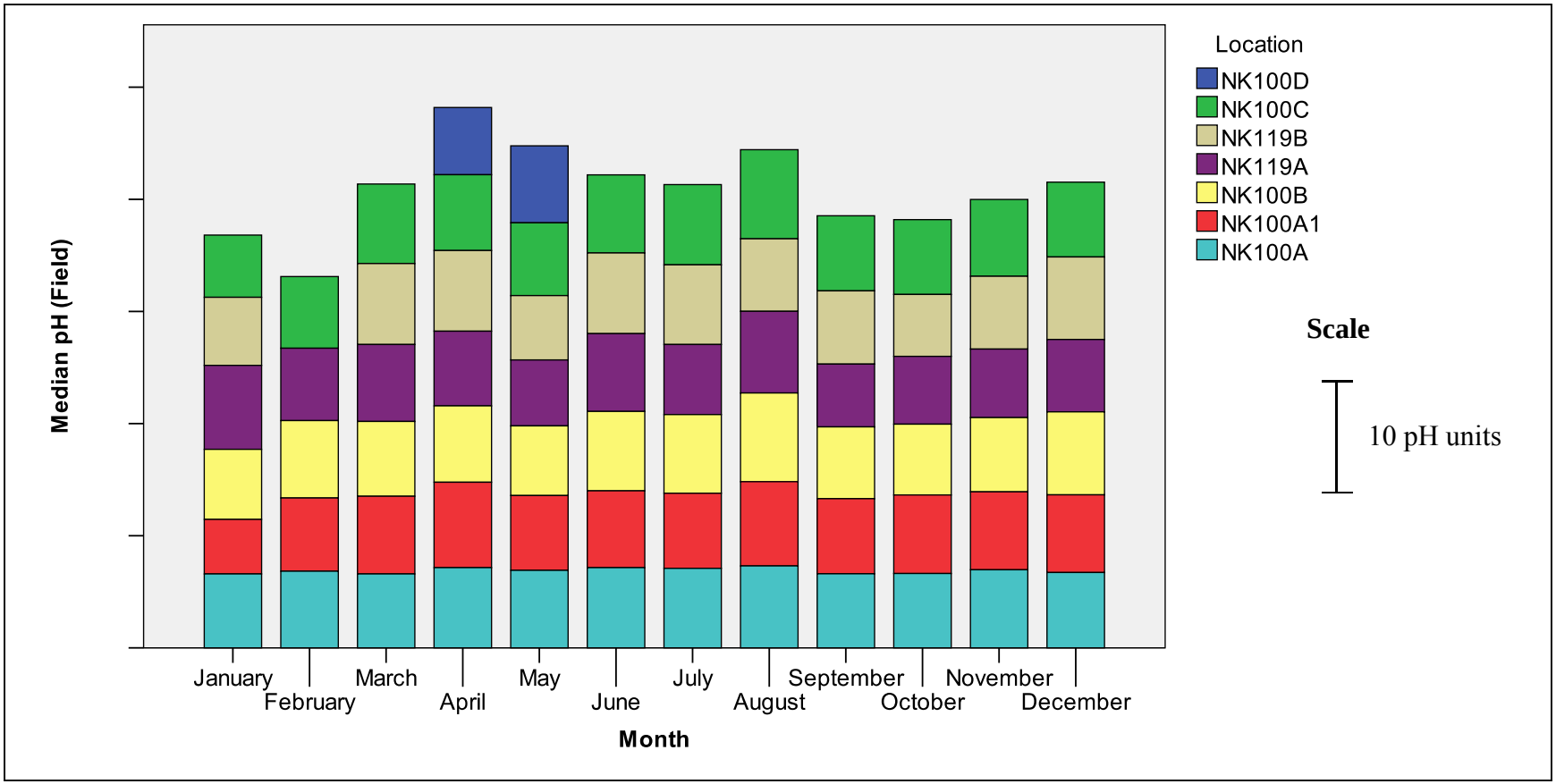


FIGURE 9.1-27
pH (Field) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in standard pH units.

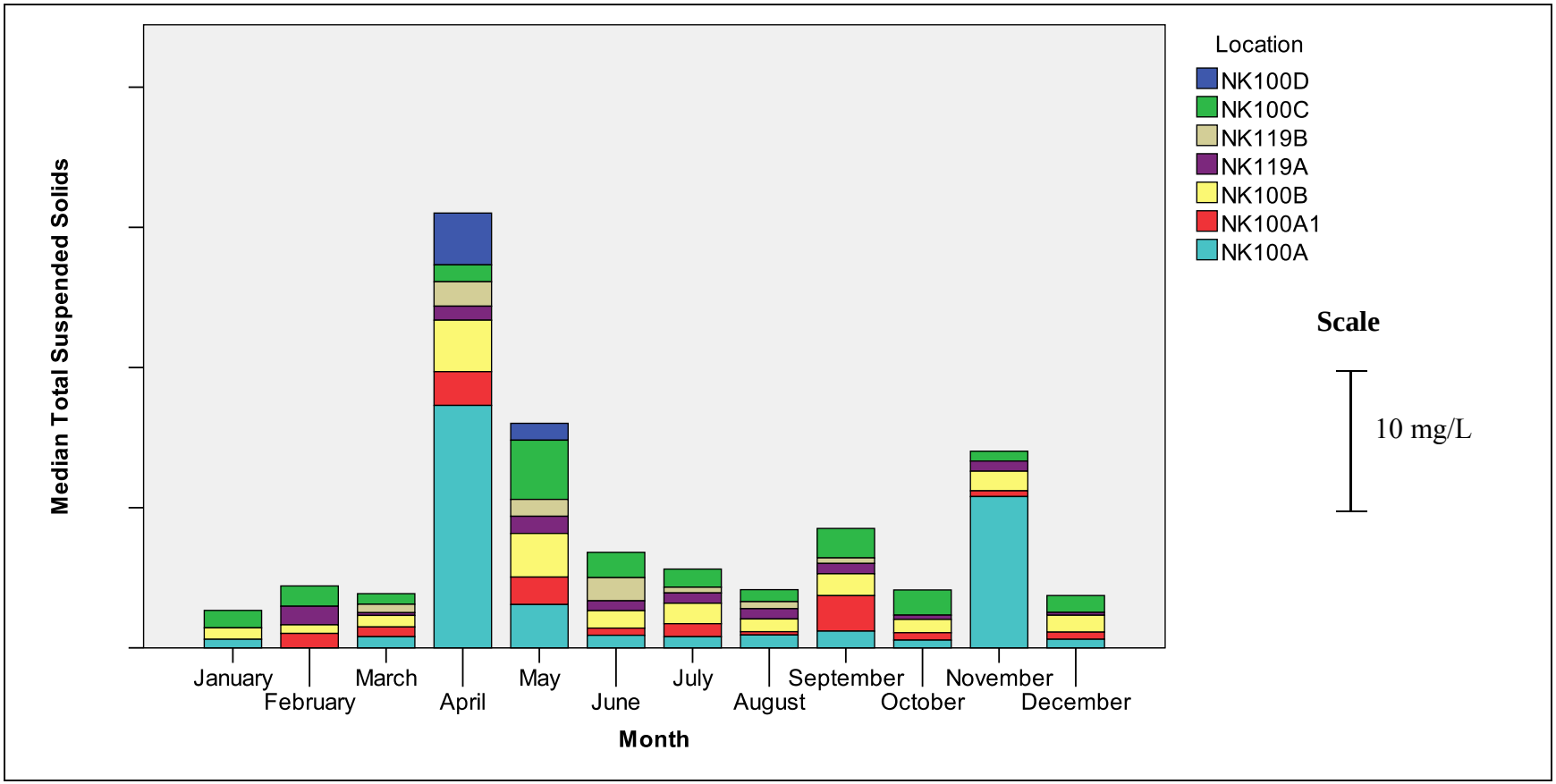


FIGURE 9.1-28
Total Suspended Solids Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.515 mg/L.

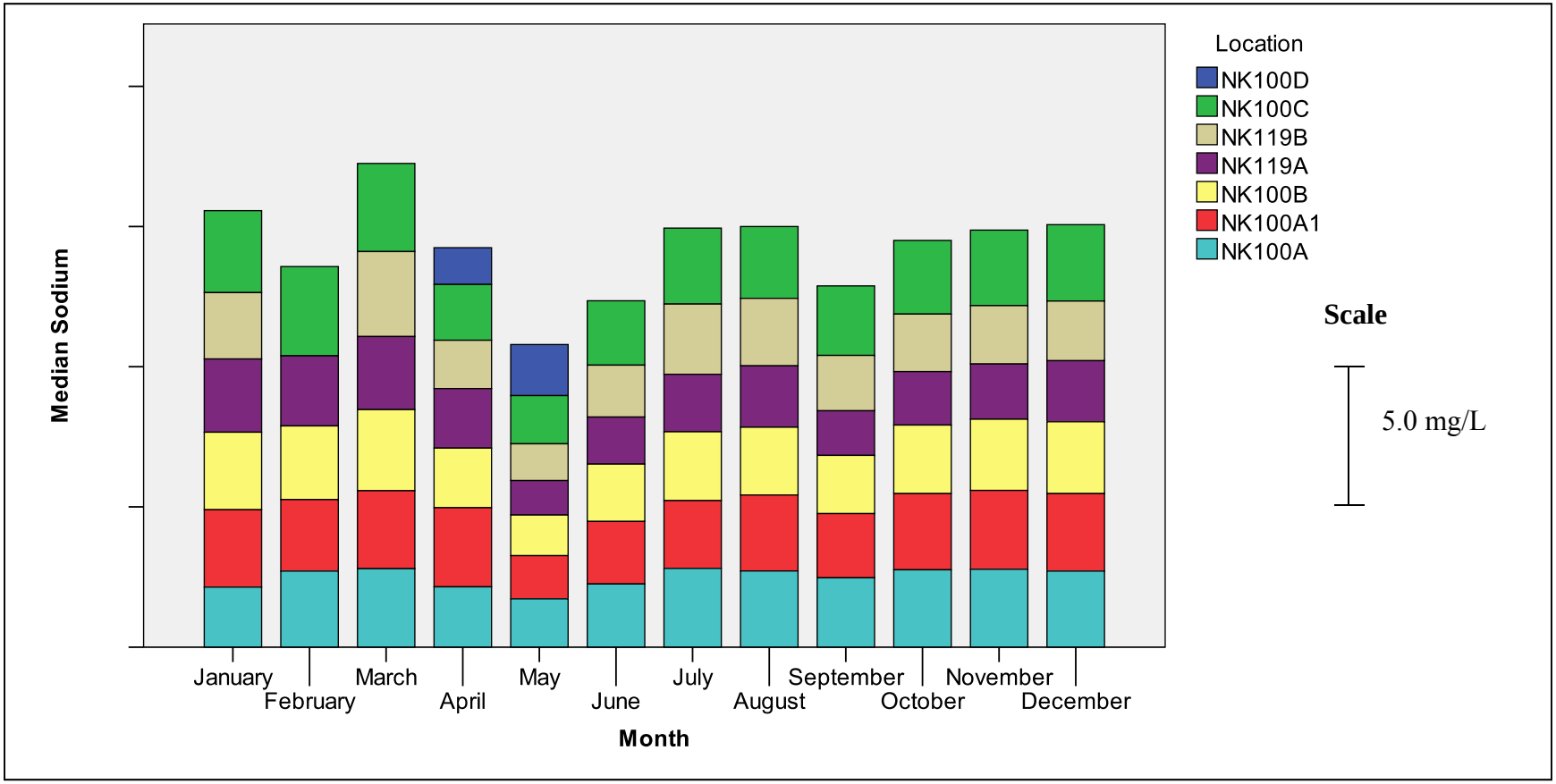


FIGURE 9.1-29
Sodium (Total) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

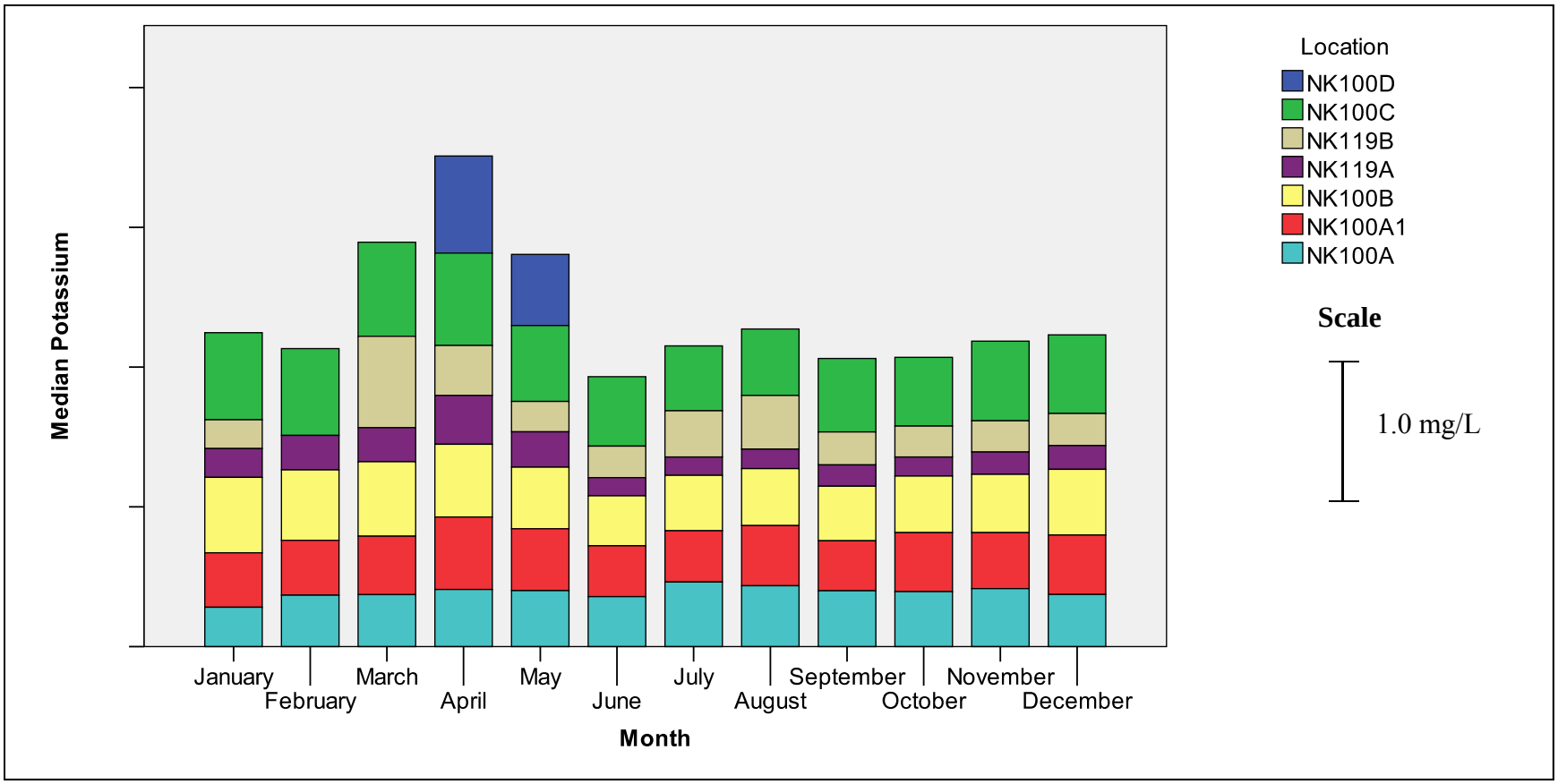


FIGURE 9.1-30
Potassium Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.050 mg/L.

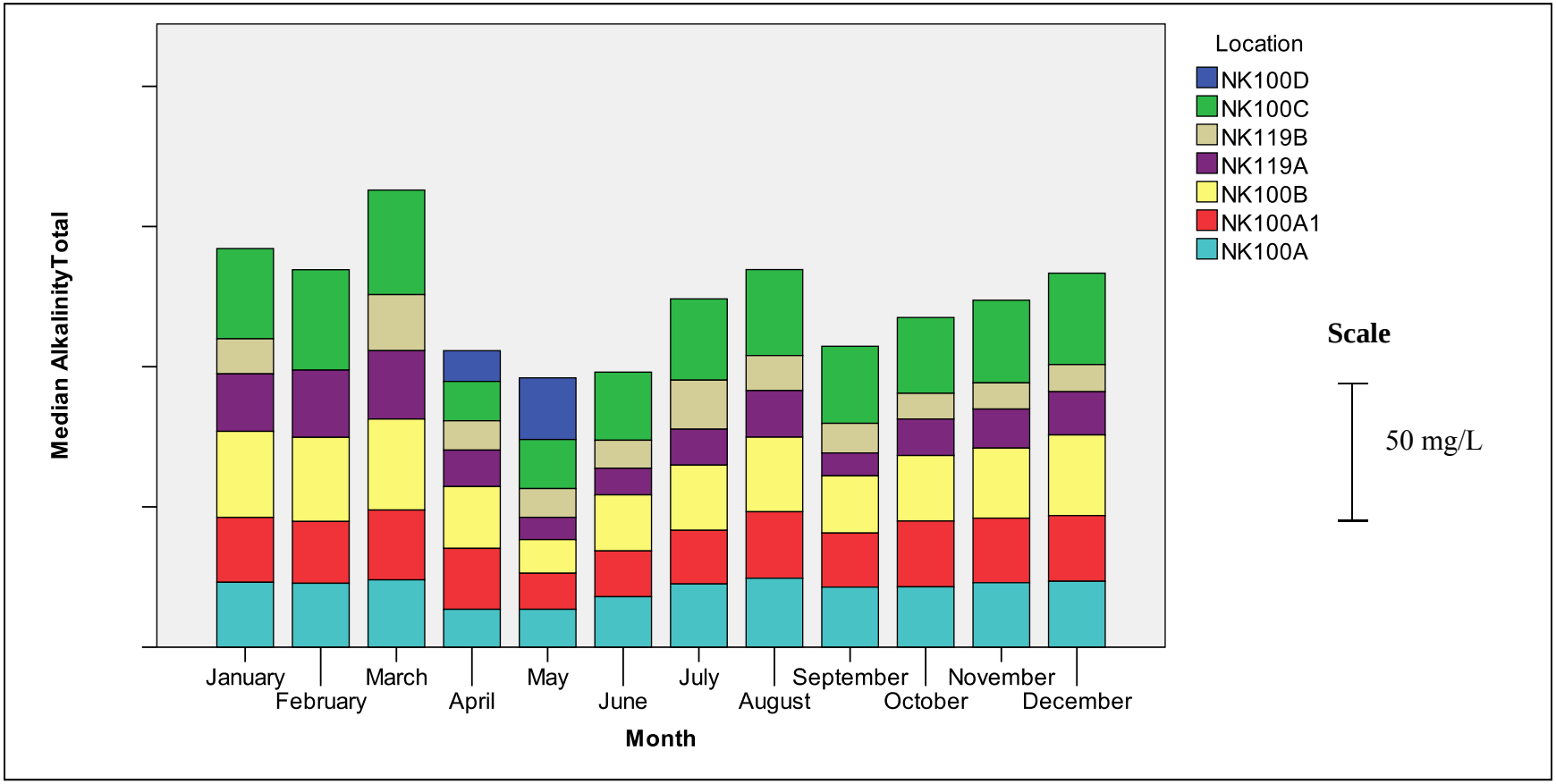


FIGURE 9.1-31
Alkalinity Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

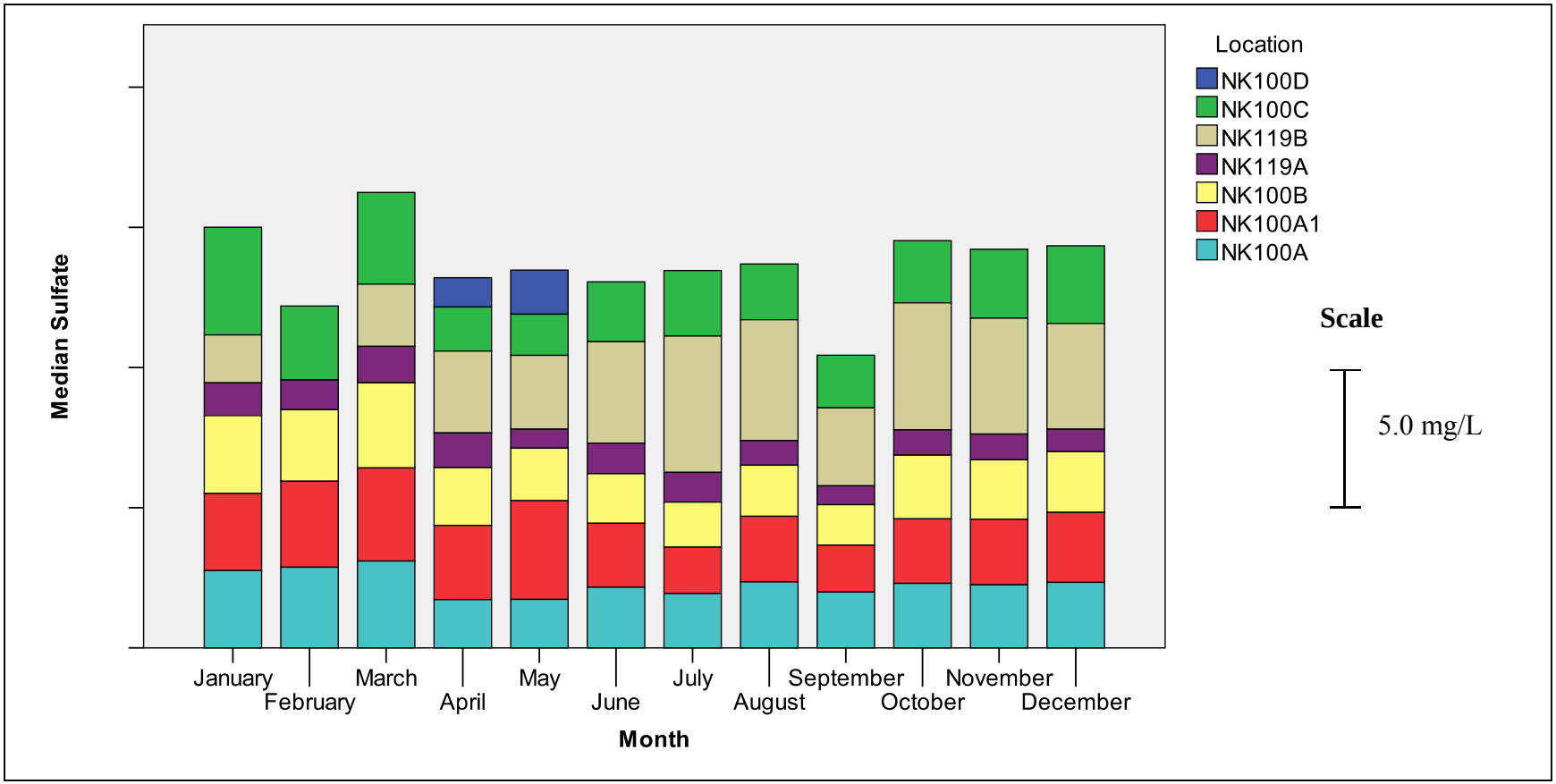


FIGURE 9.1-32
Sulfate Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

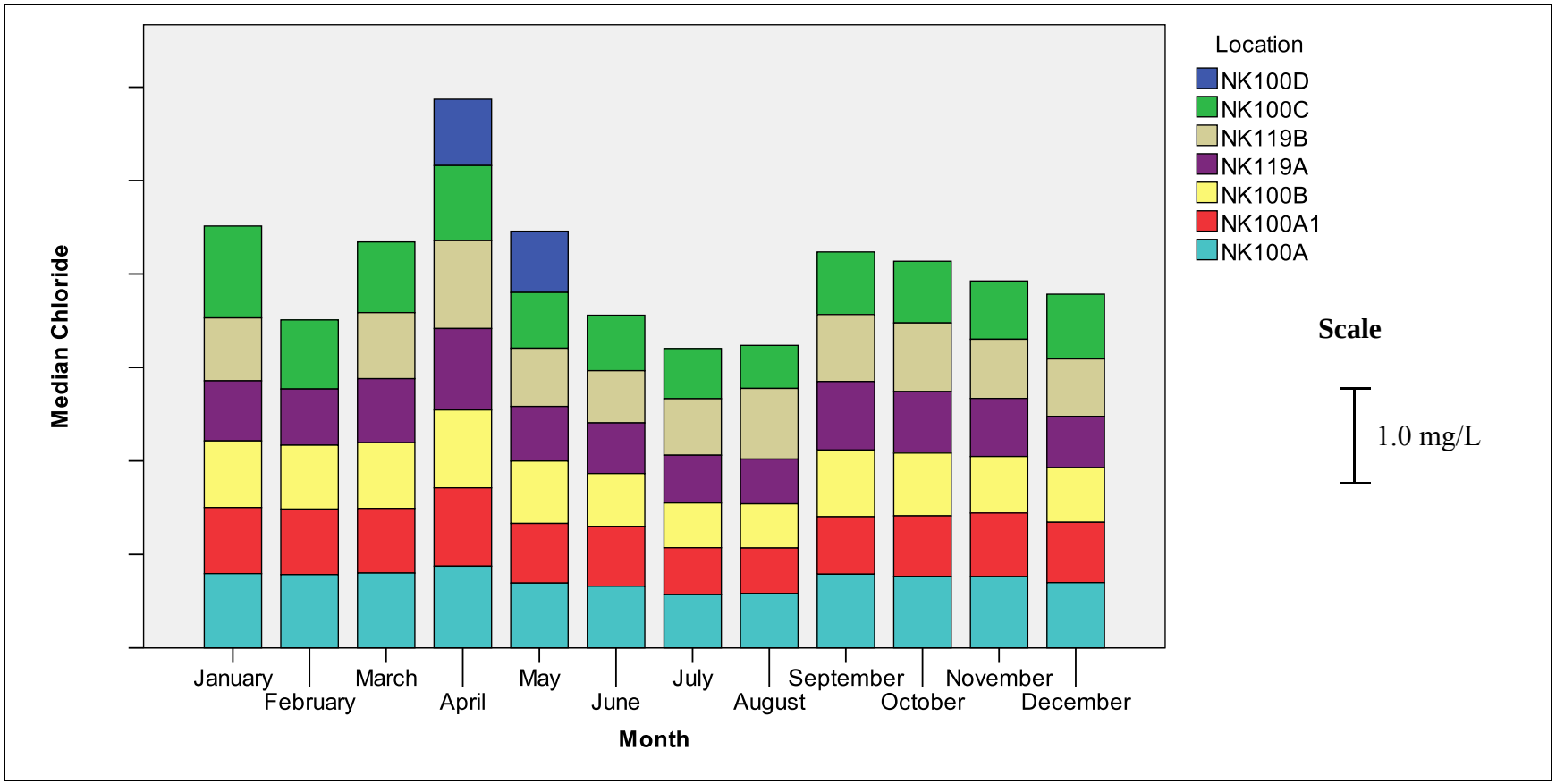


FIGURE 9.1-33
Chloride Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

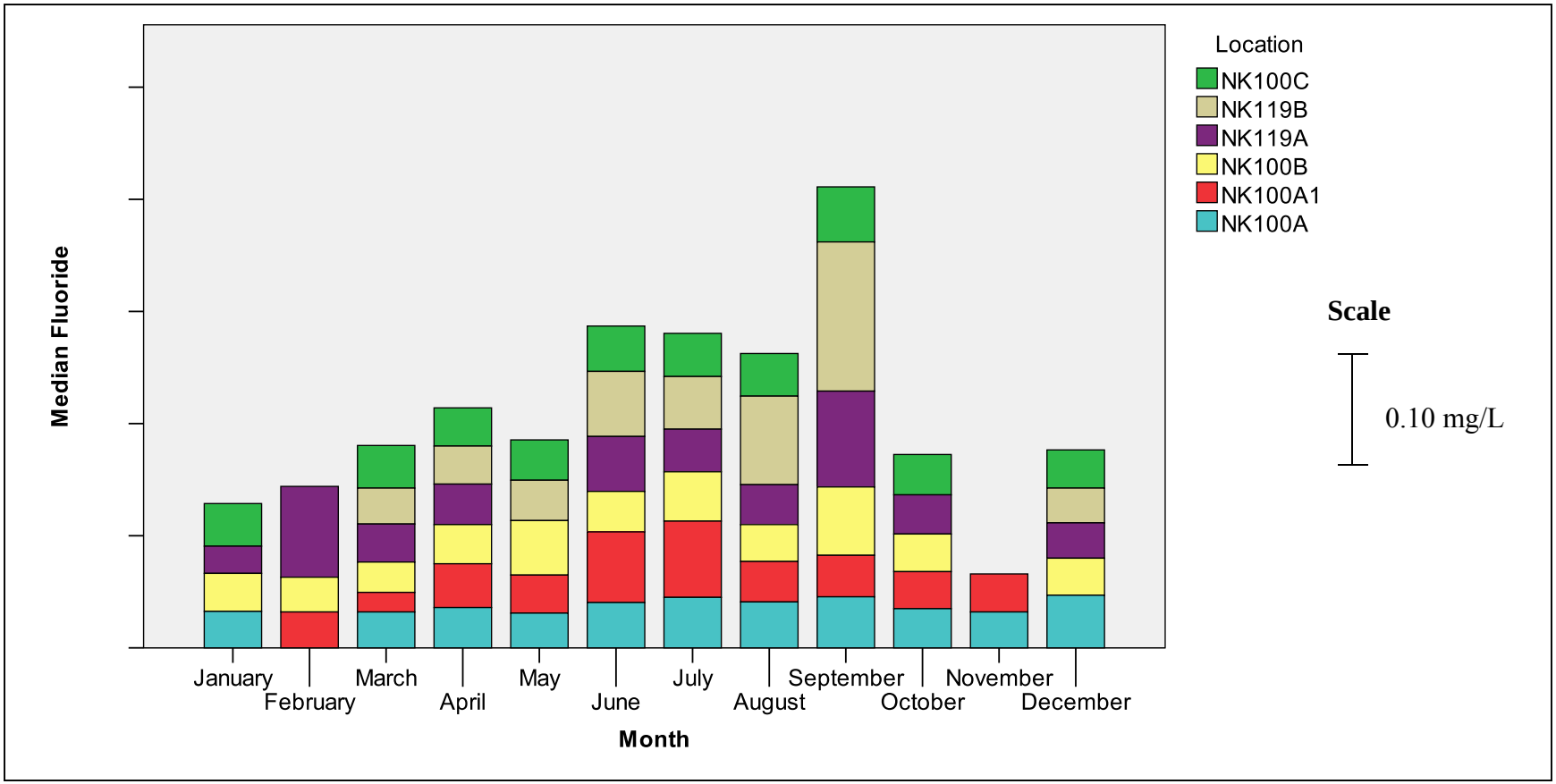


FIGURE 9.1-34
Fluoride Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

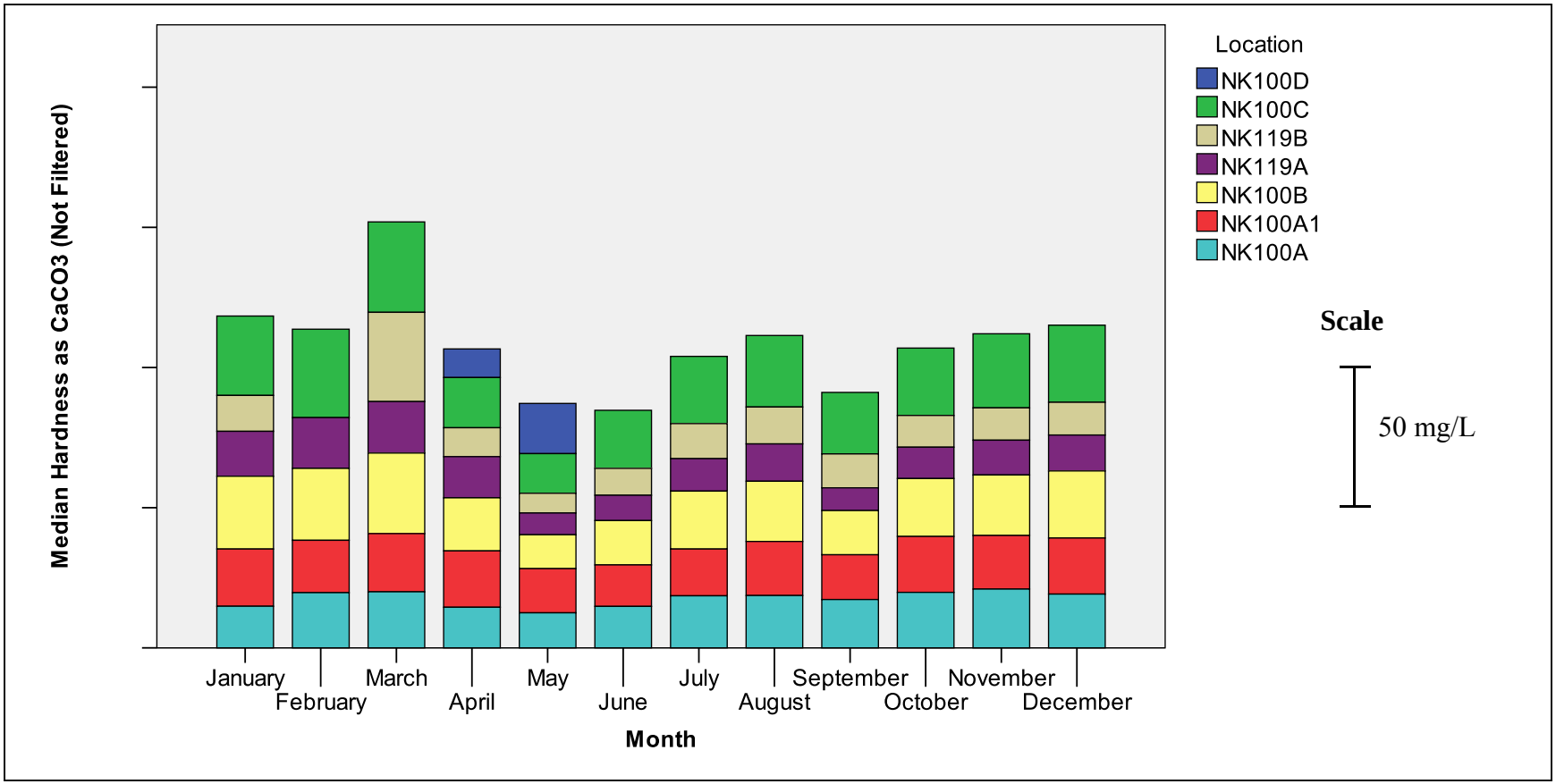


FIGURE 9.1-35
Hardness as $CaCO_3$ (Not Filtered) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.0 mg/L.

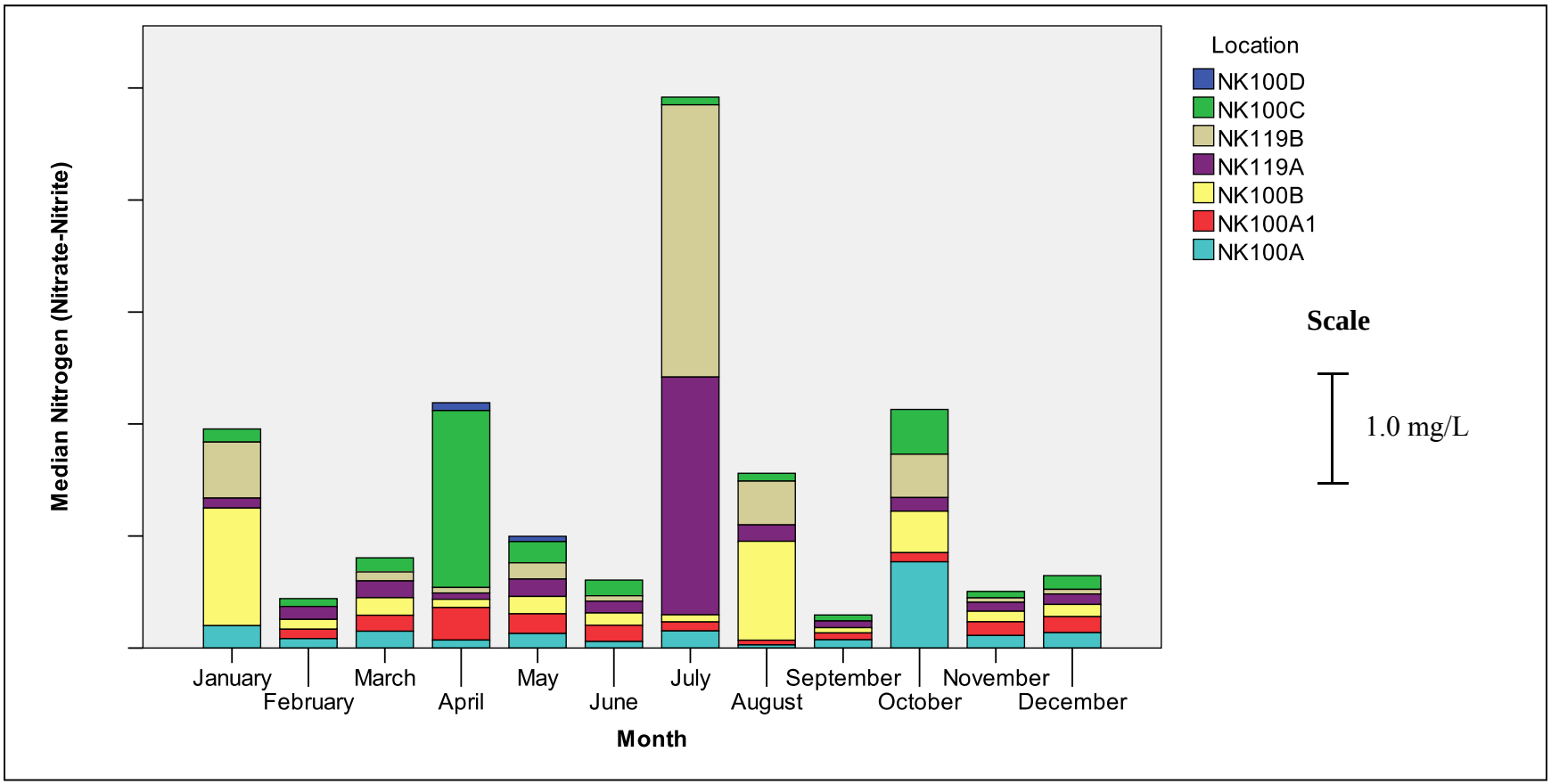


FIGURE 9.1-36
Total Nitrate+Nitrite (as N) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

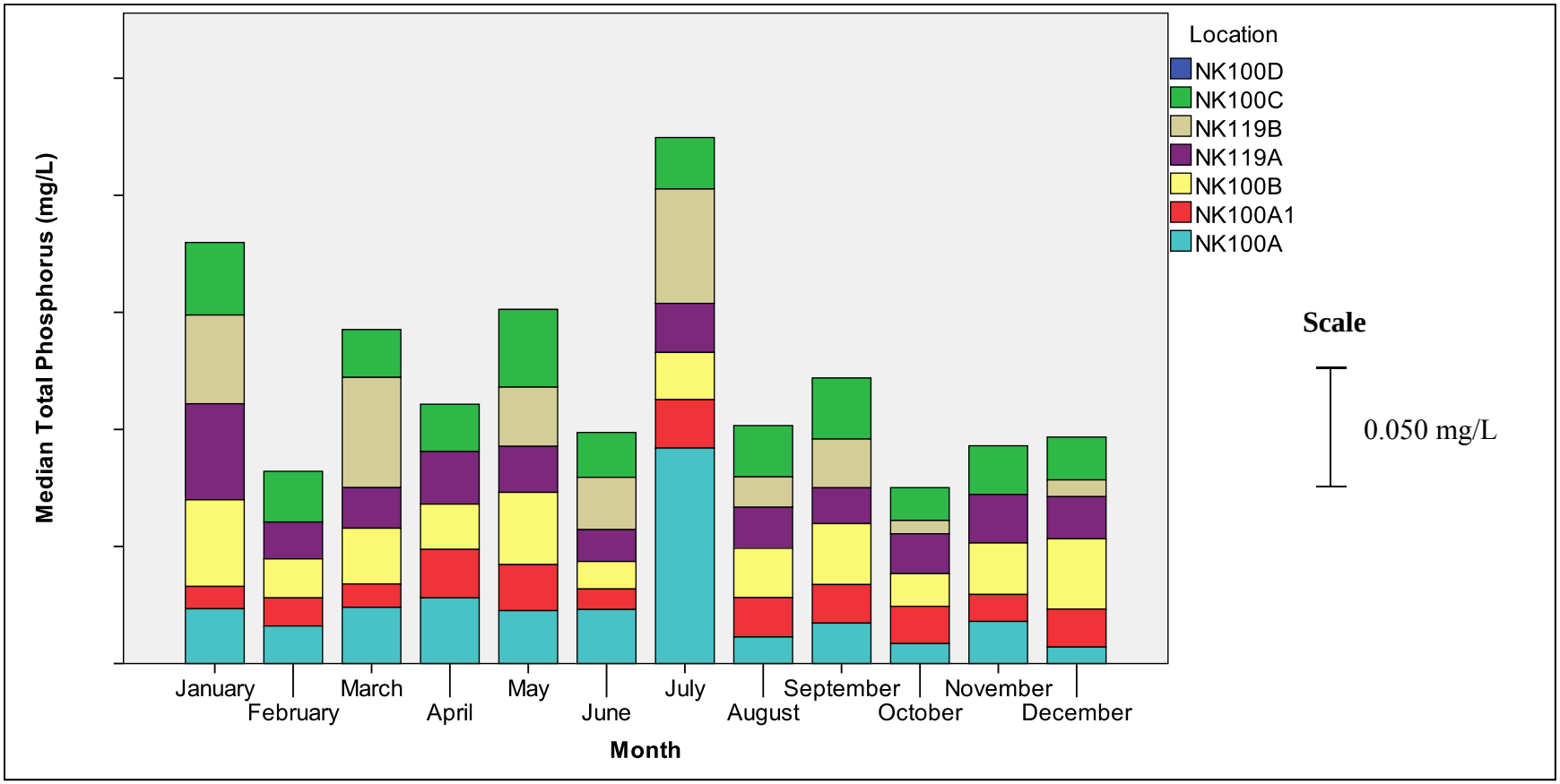


FIGURE 9.1-37
Total Phosphorus Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.010 mg/L.

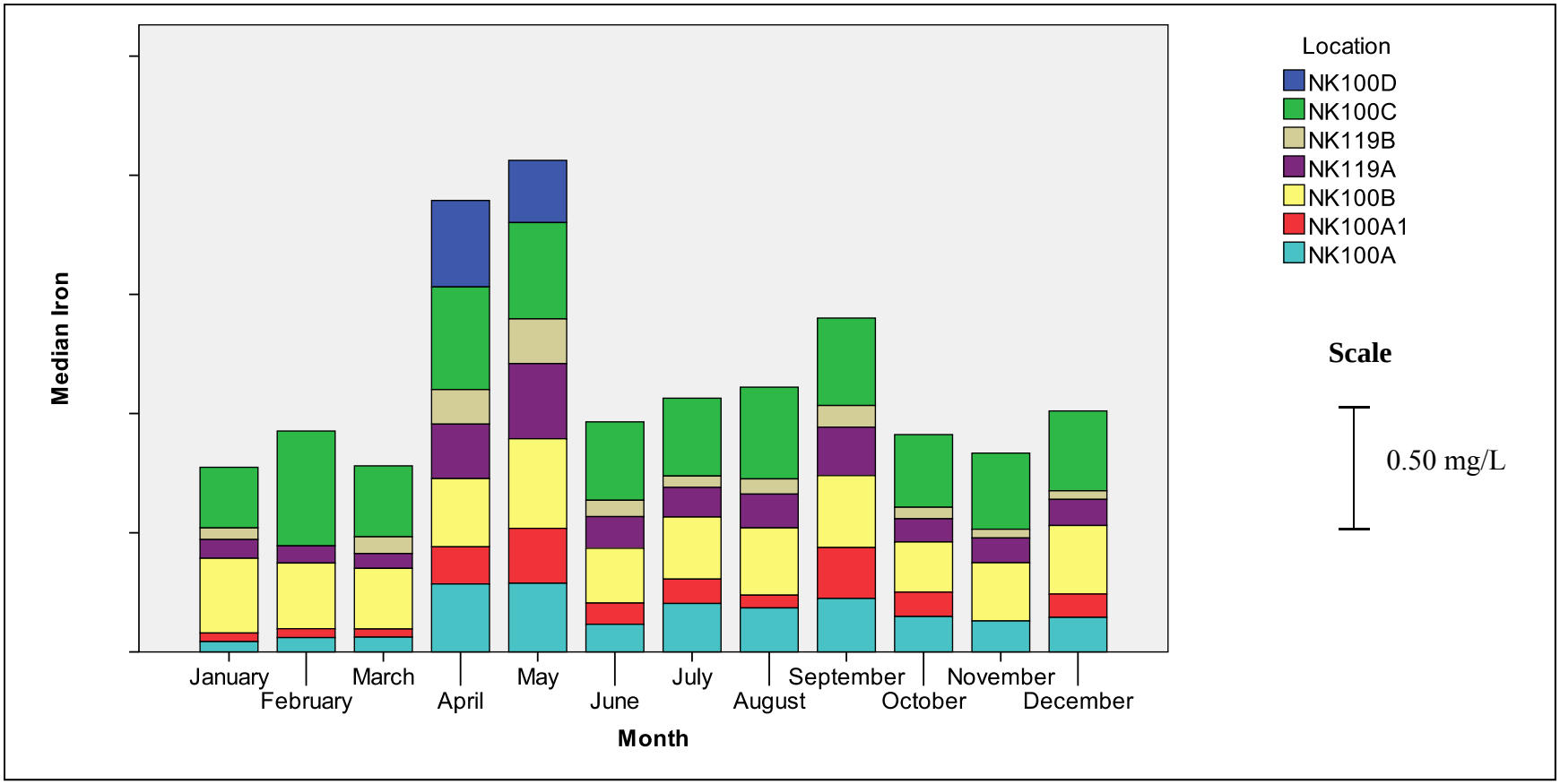


FIGURE 9.1-38
Iron Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.020 mg/L.

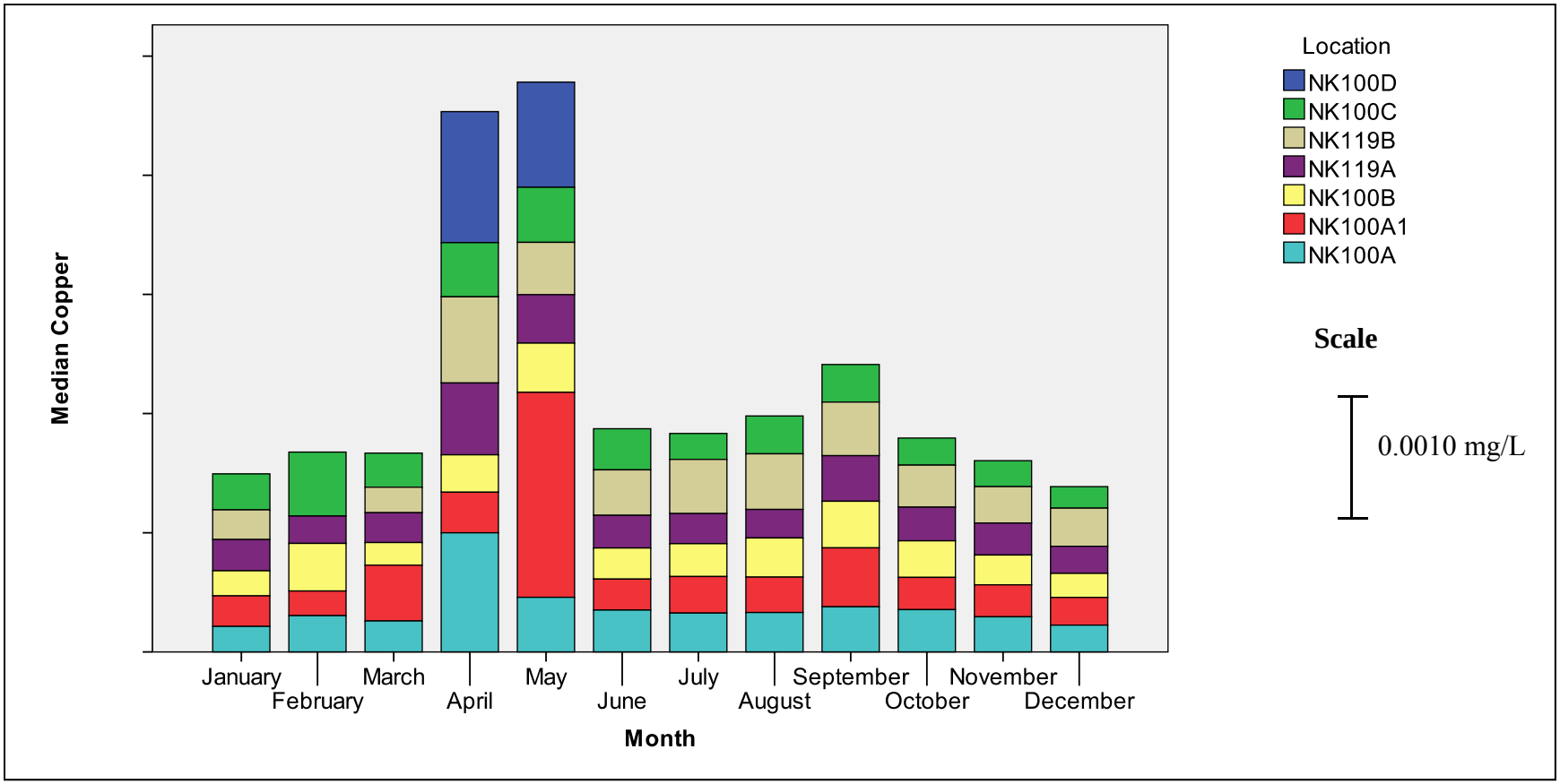


FIGURE 9.1-39
Copper Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

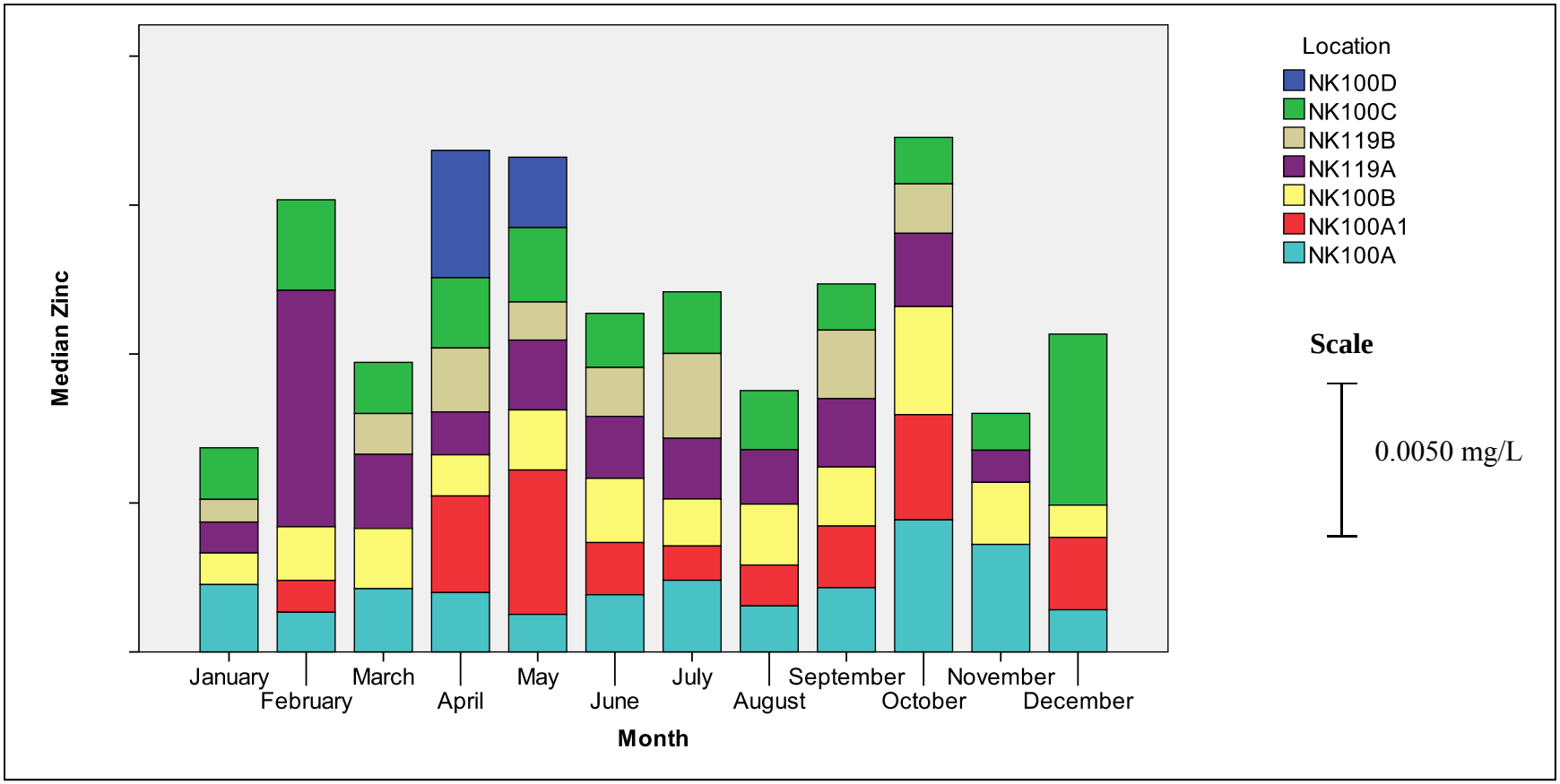


FIGURE 9.1-40
Zinc Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0010 mg/L.

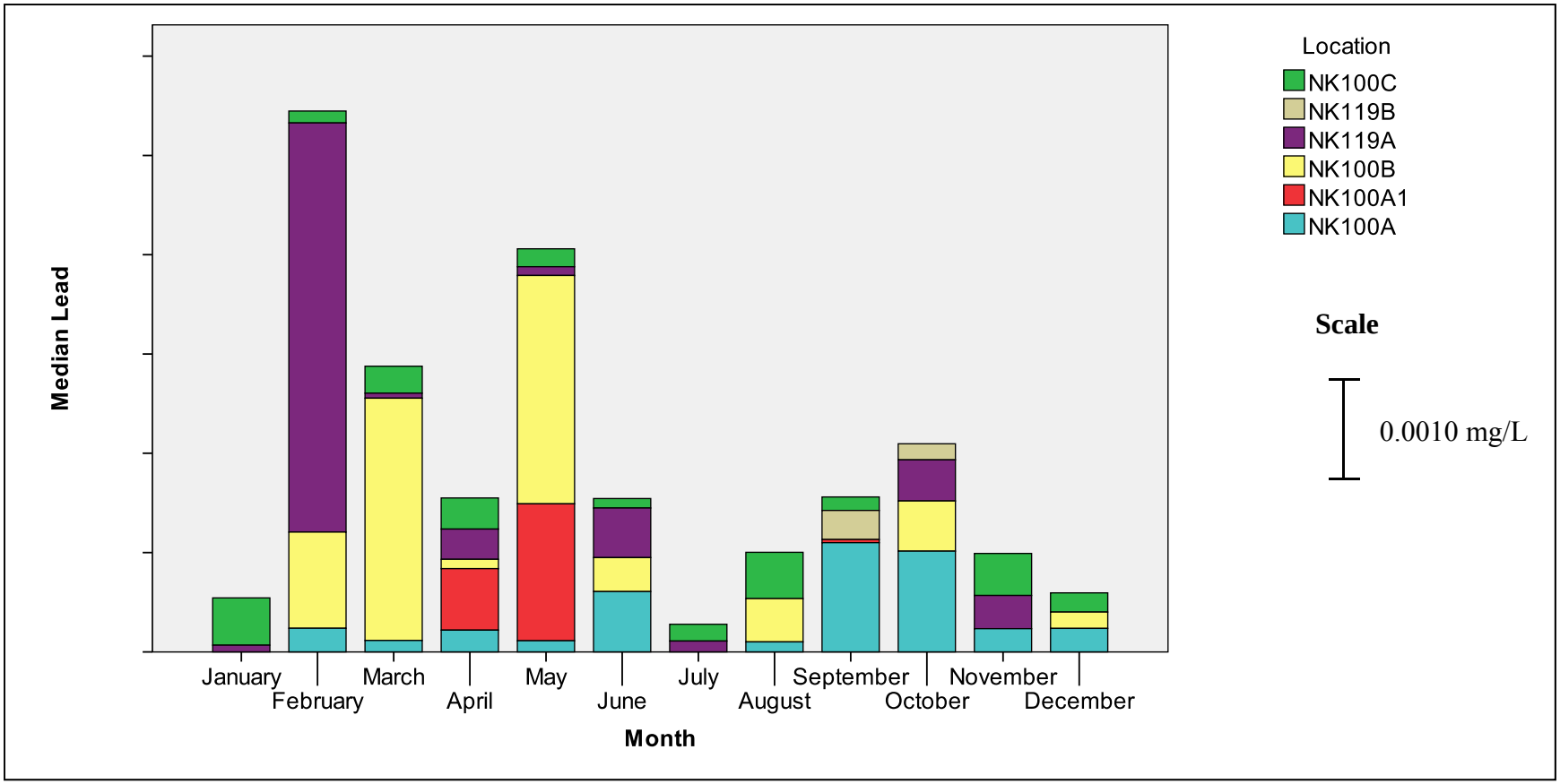


FIGURE 9.1-41
Lead Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

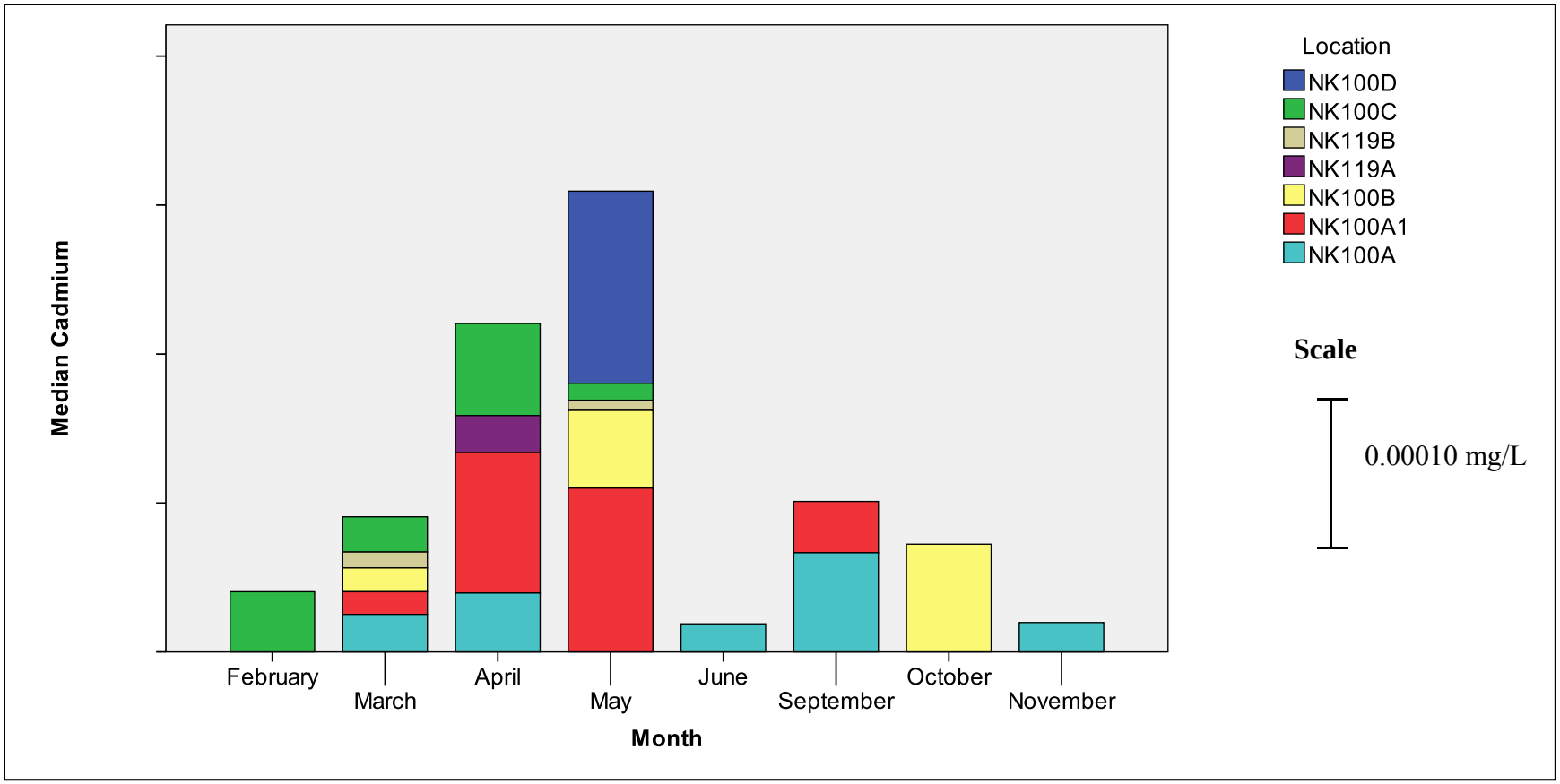


FIGURE 9.1-42
Cadmium Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

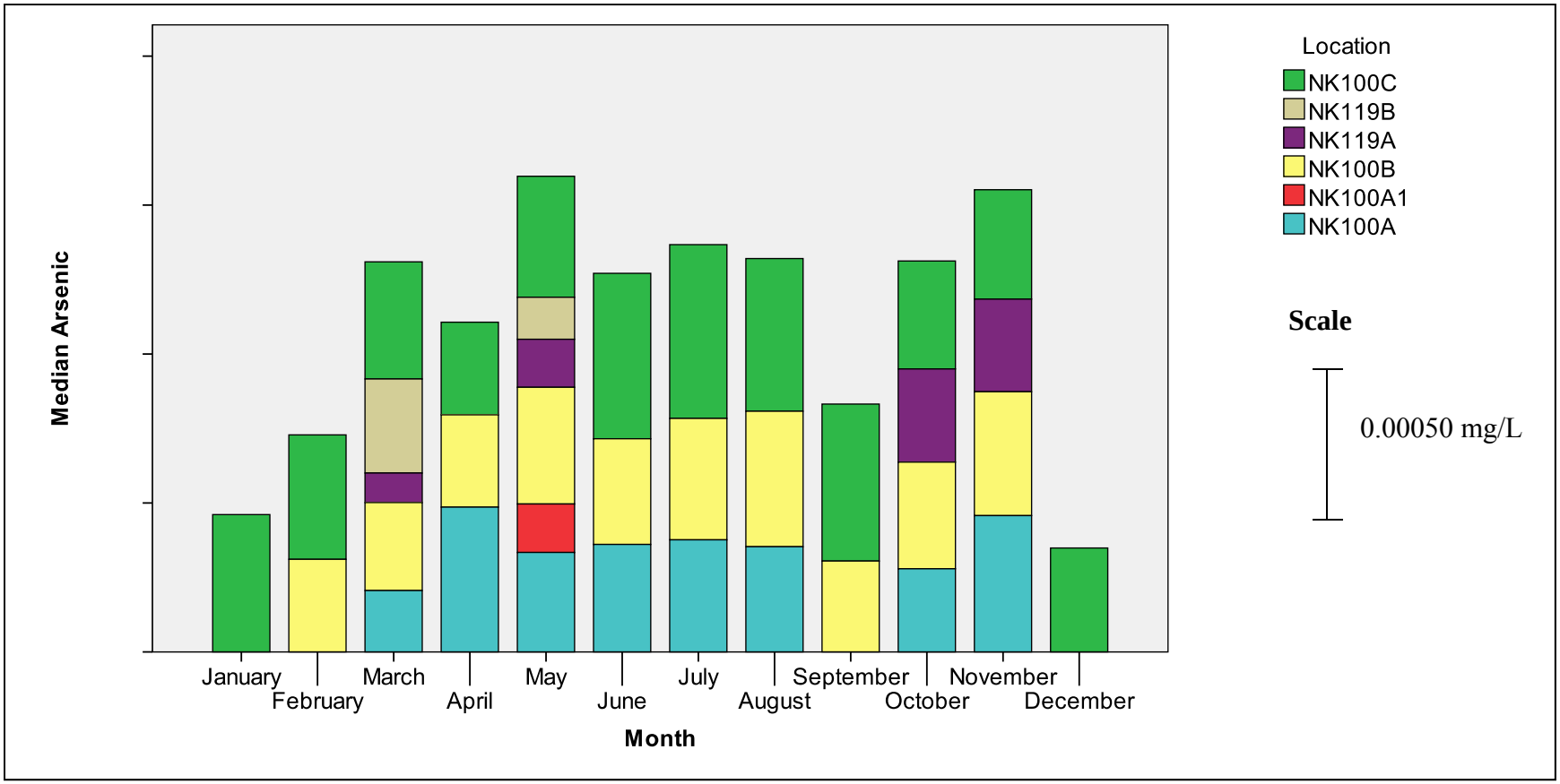


FIGURE 9.1-43
Arsenic Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00050 mg/L.

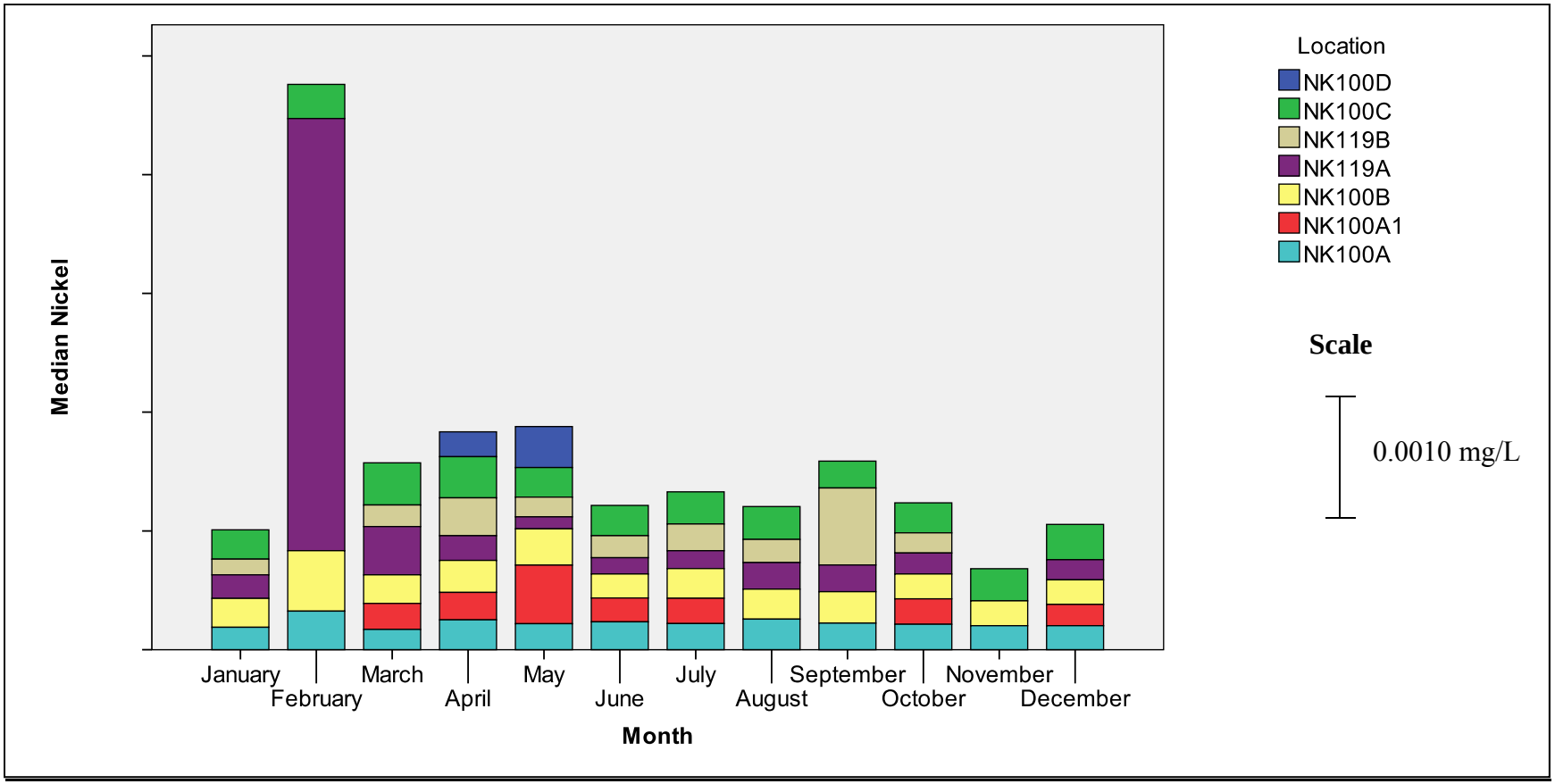


FIGURE 9.1-44
Nickel Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00020 mg/L.

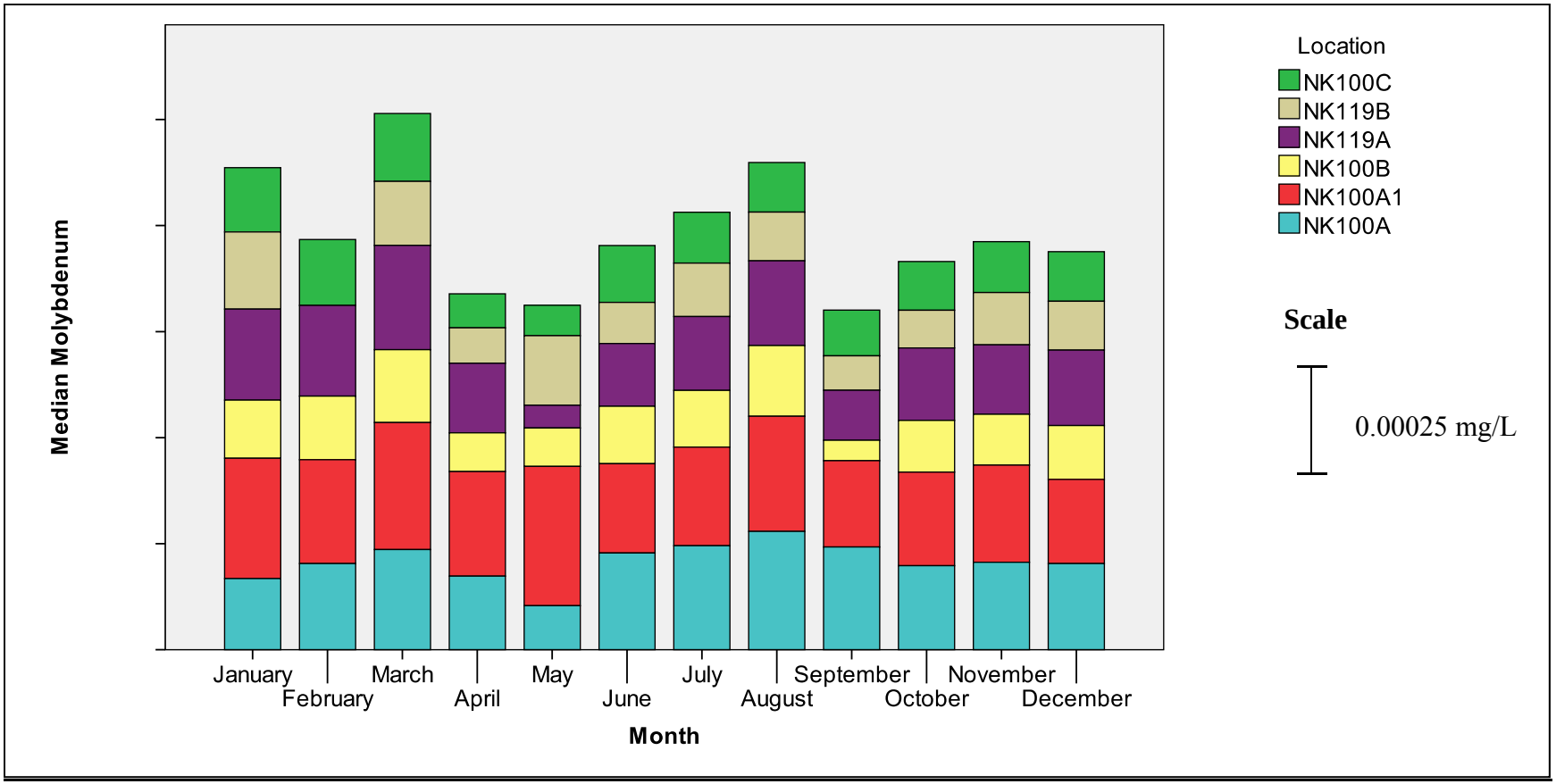


FIGURE 9.1-45
Molybdenum Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

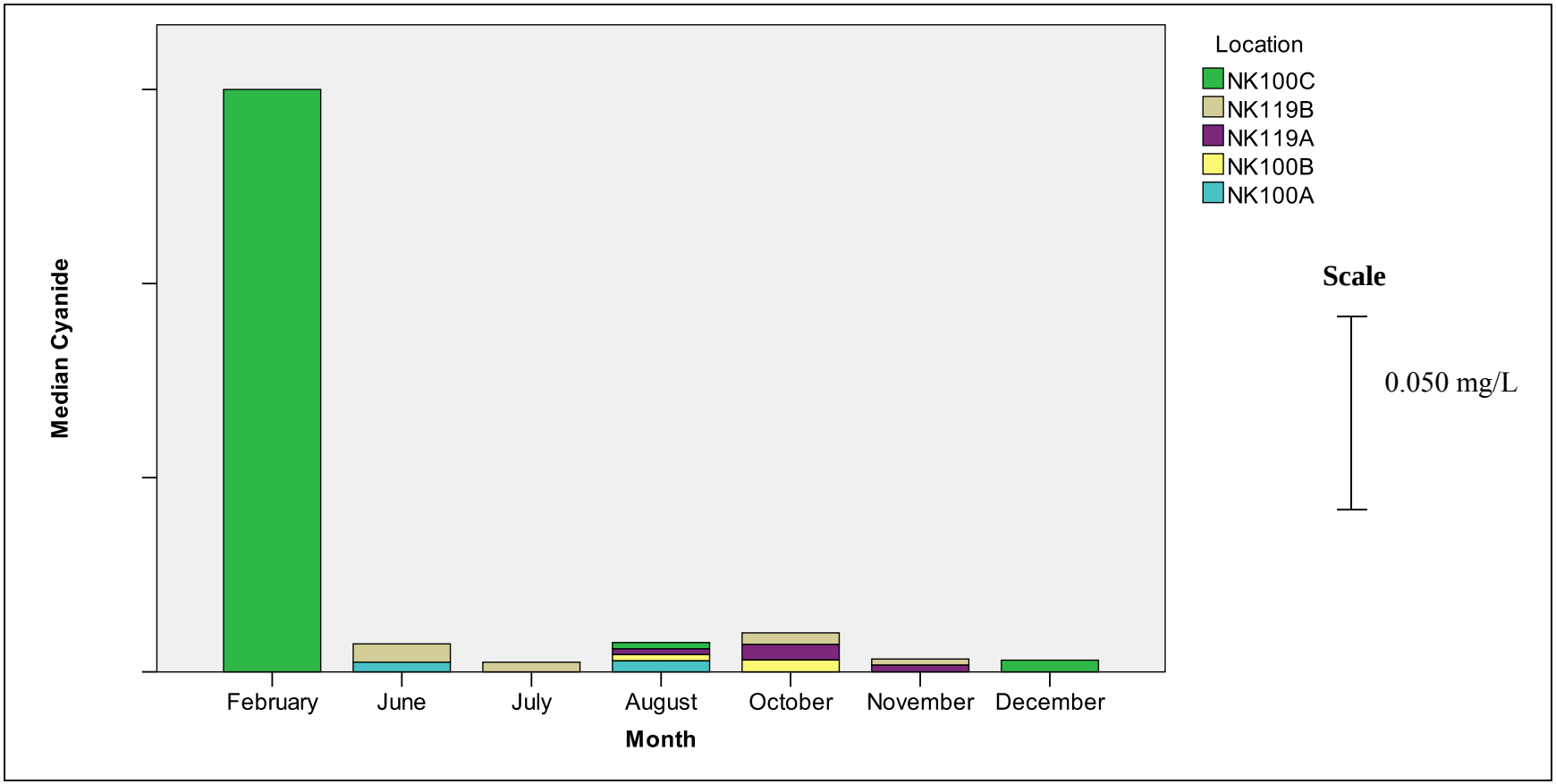


FIGURE 9.1-46
Total Cyanide Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0050 mg/L.

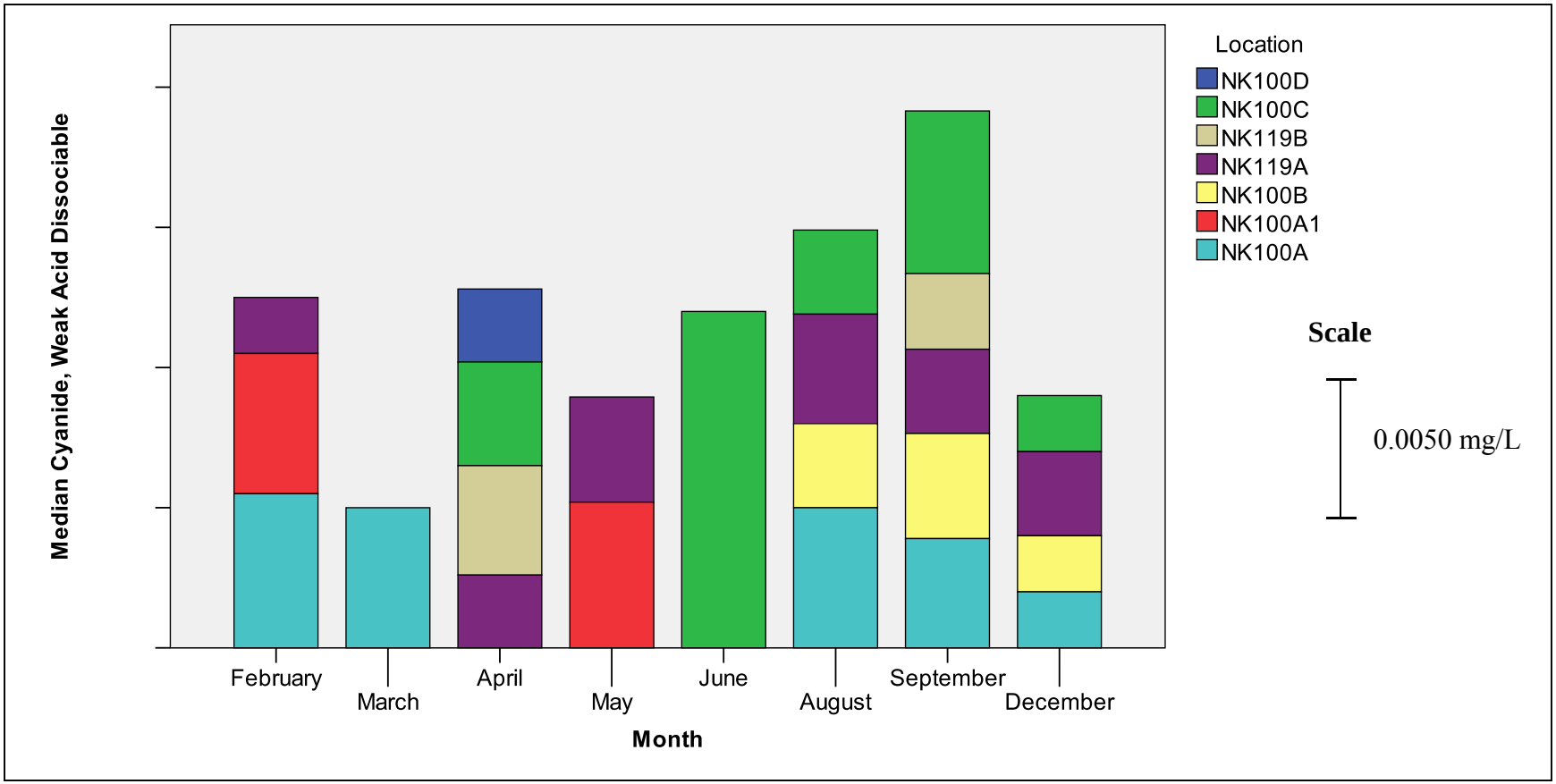


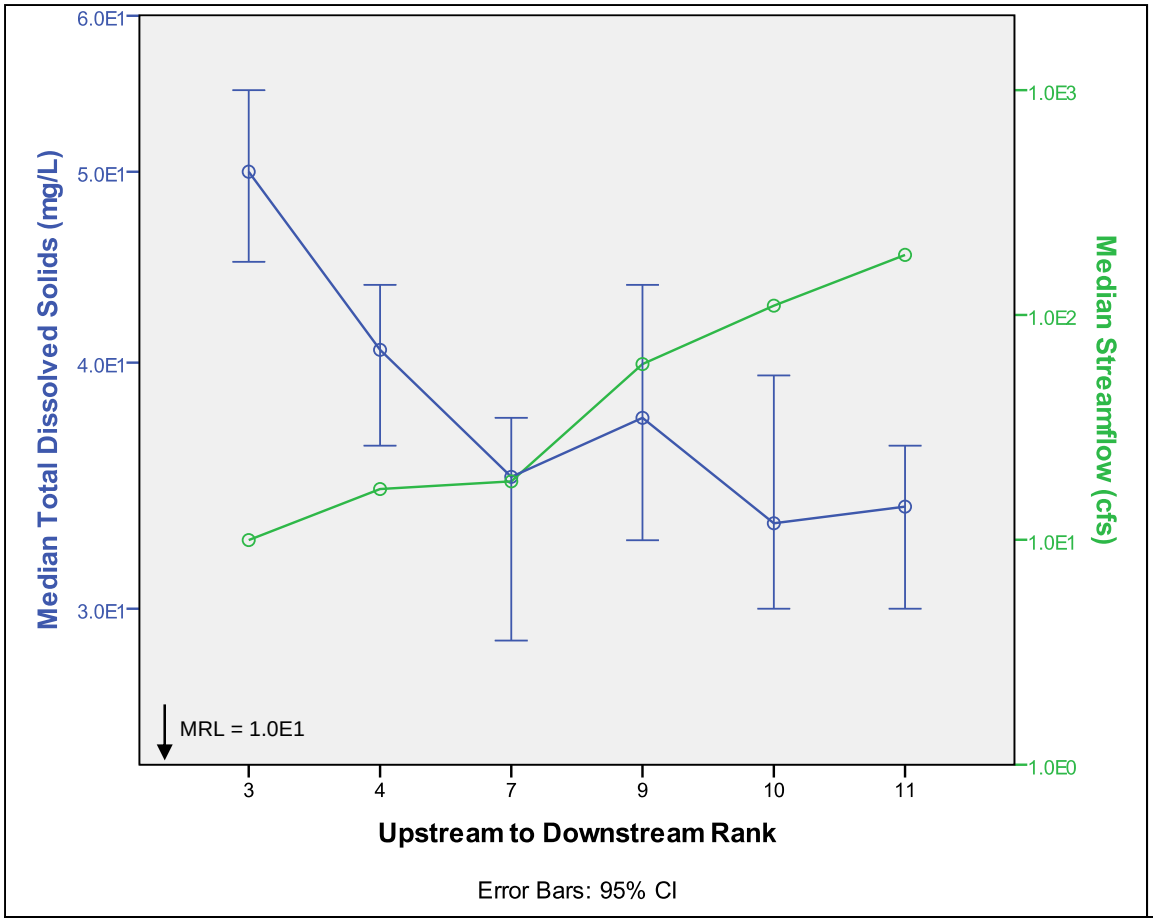
FIGURE 9.1-47
Cyanide, Weak Acid Dissociable (WAD) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0050 mg/L.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

FIGURE 9.1-48
Total Dissolved Solids Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.

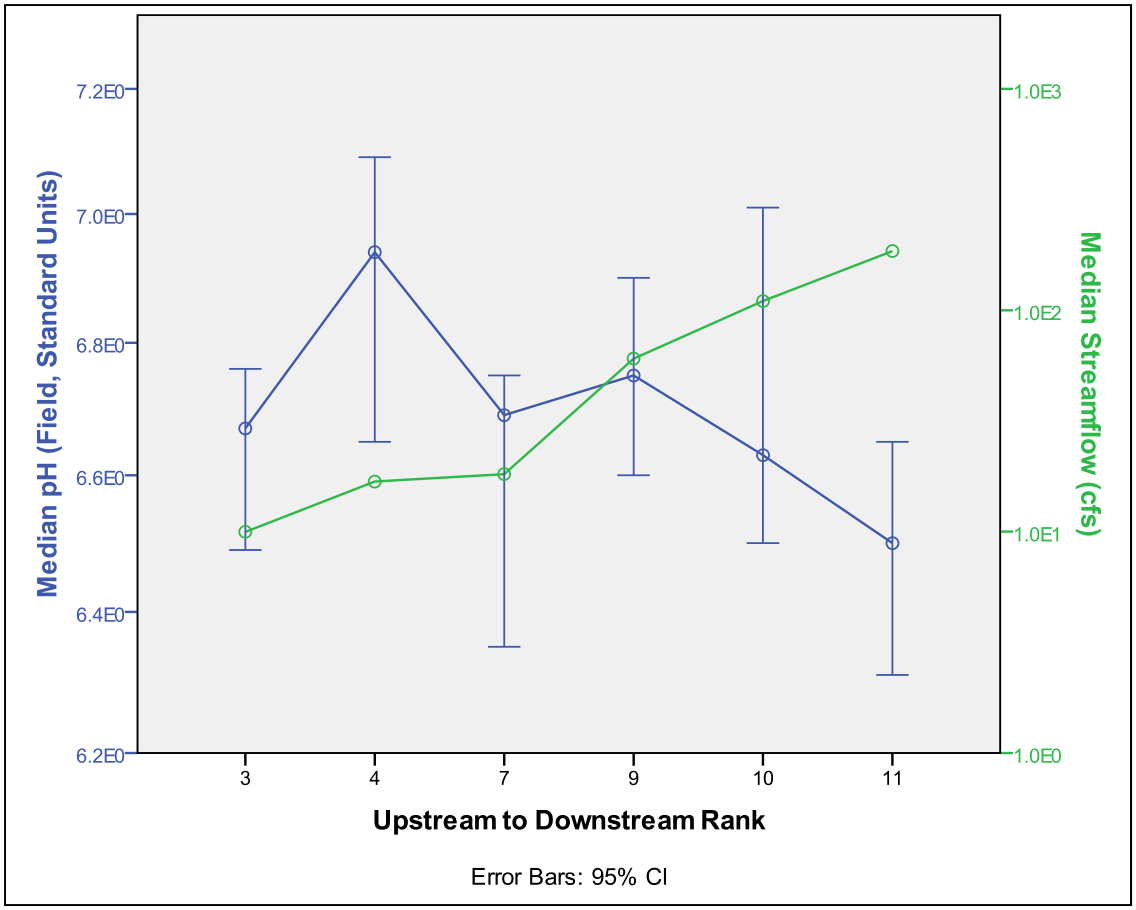


FIGURE 9.1-49
pH (Field) in Surface Water and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval.

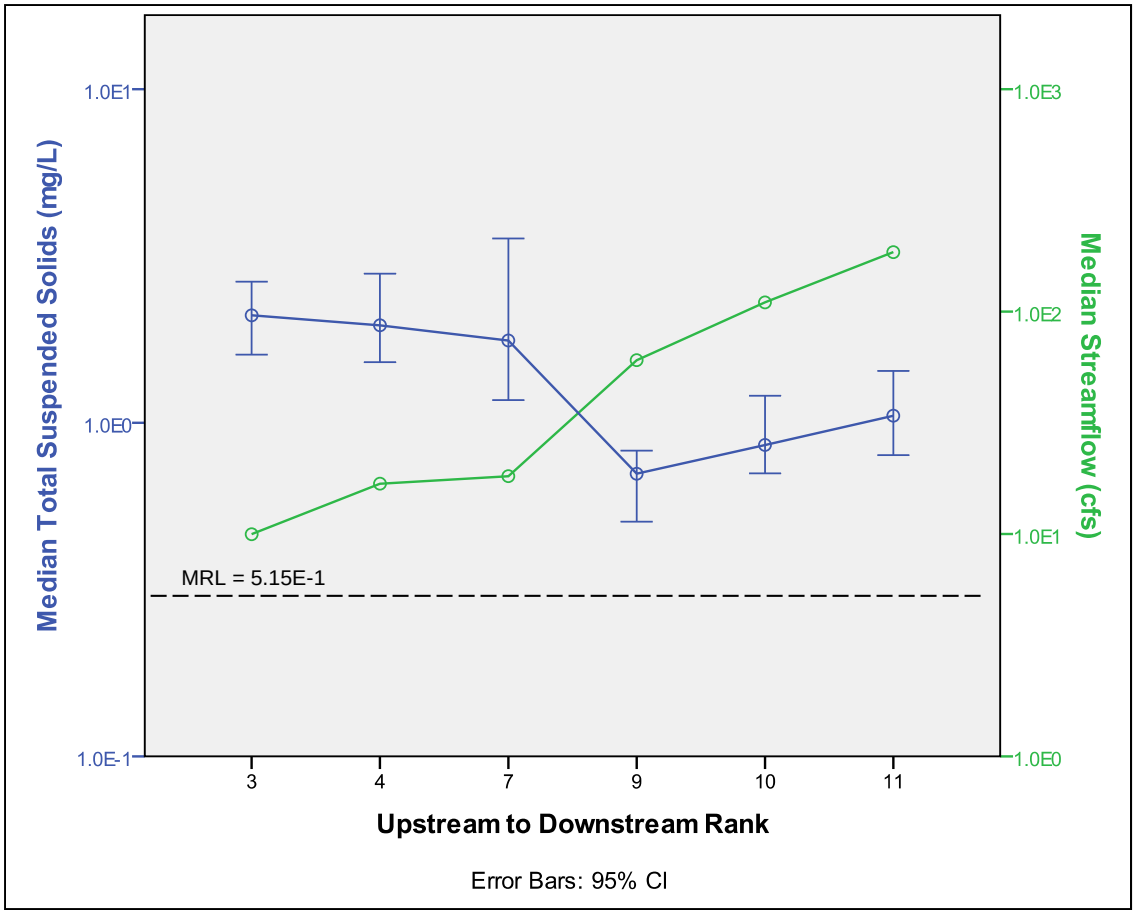
Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

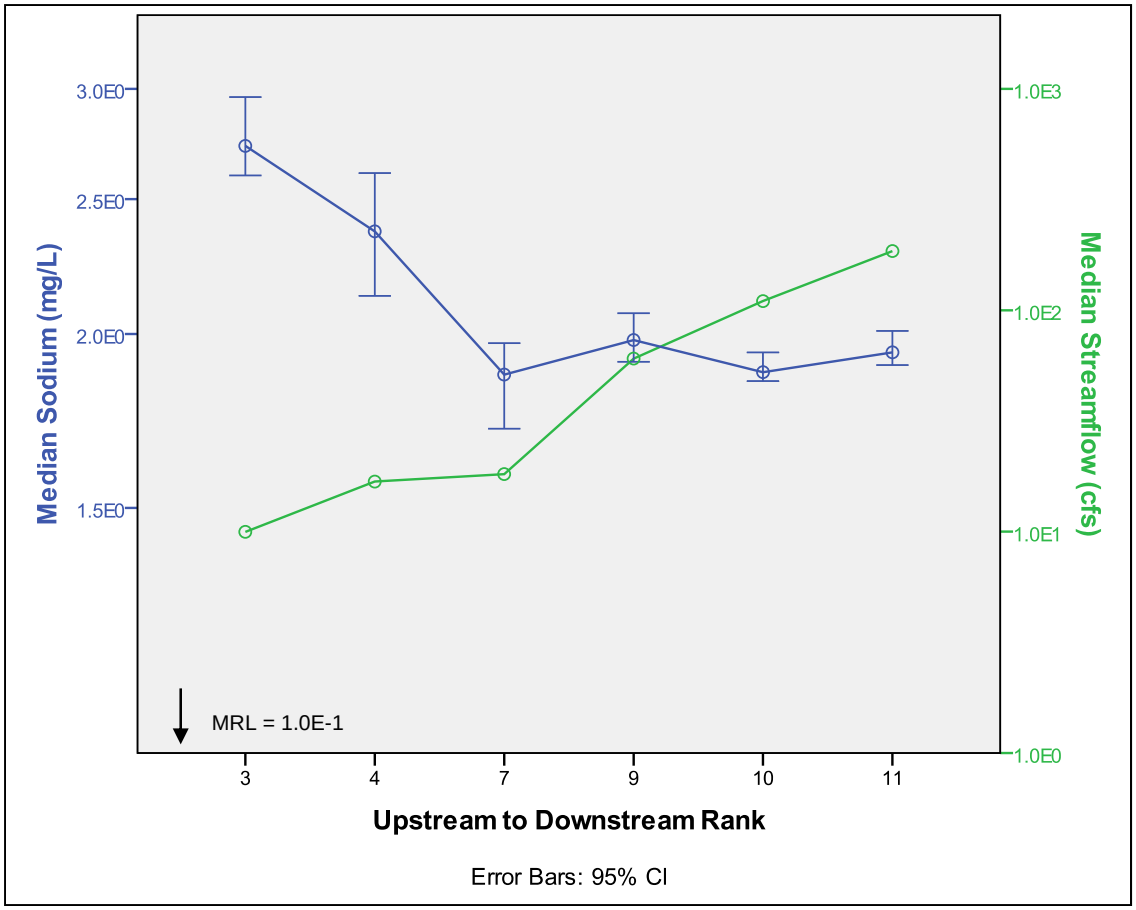
FIGURE 9.1-50
Total Suspended Solids Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

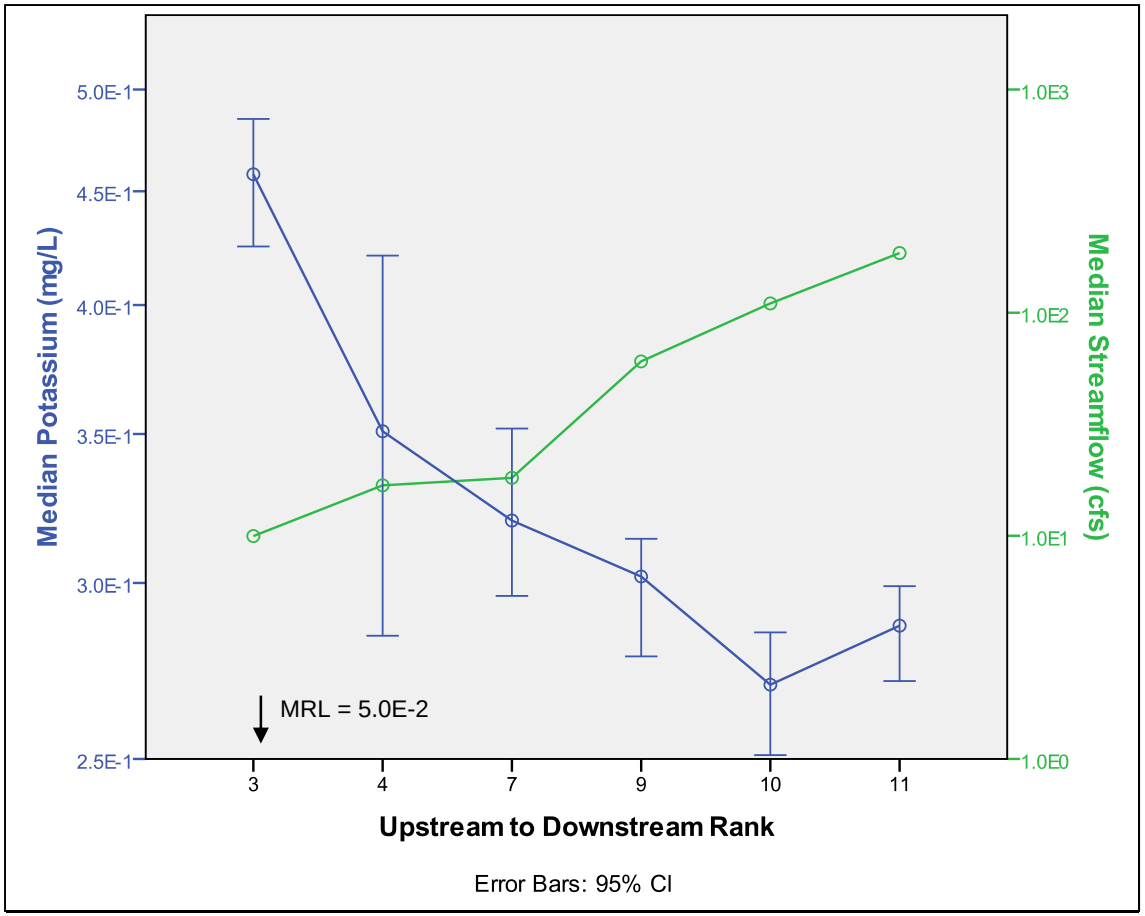
FIGURE 9.1-51
Sodium (Total) Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

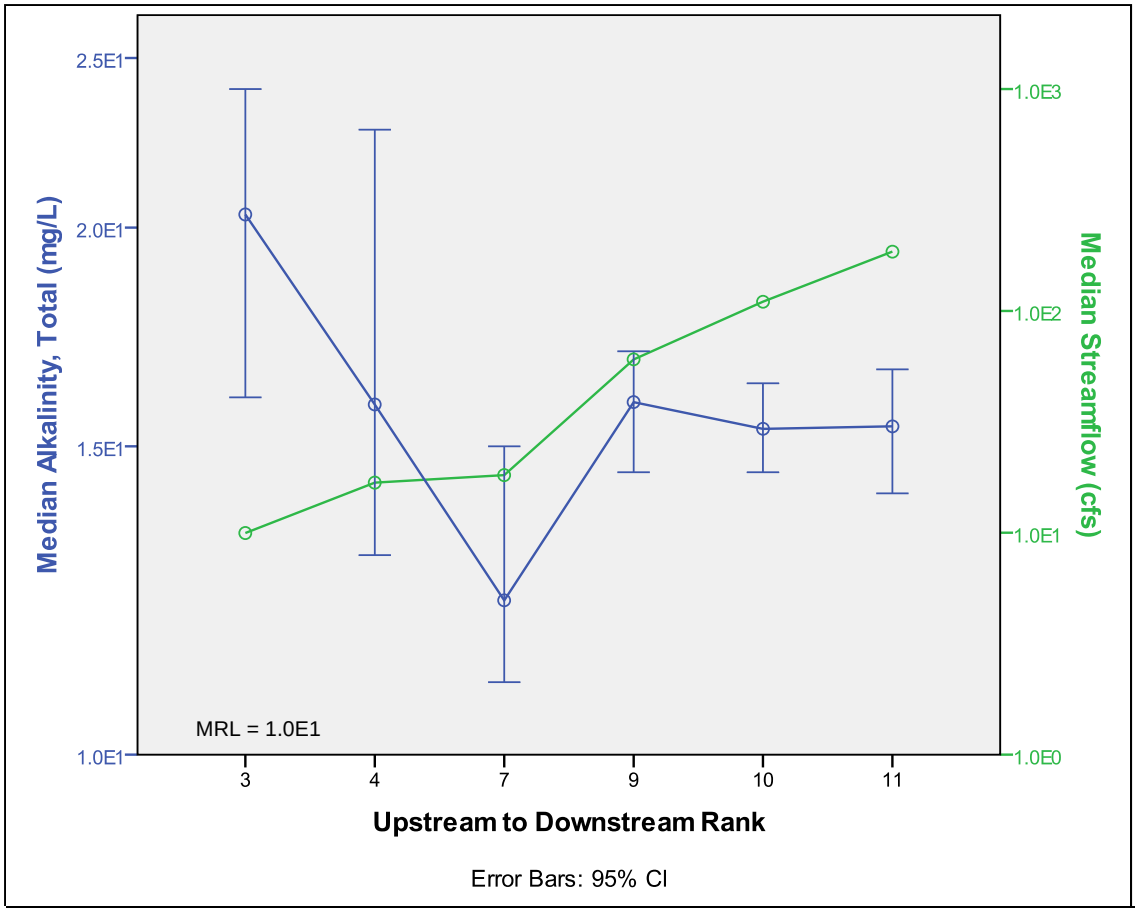
FIGURE 9.1-52
Potassium Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

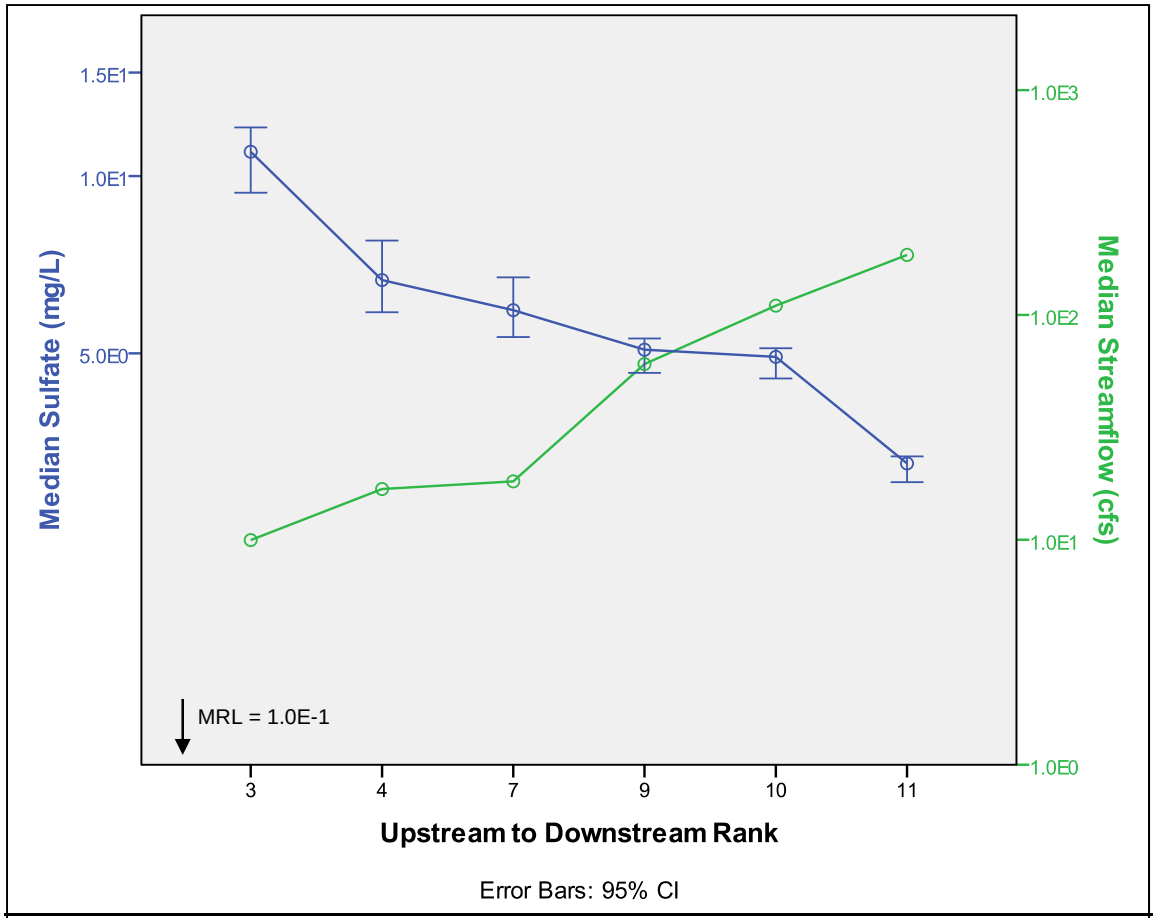
FIGURE 9.1-53
Alkalinity Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

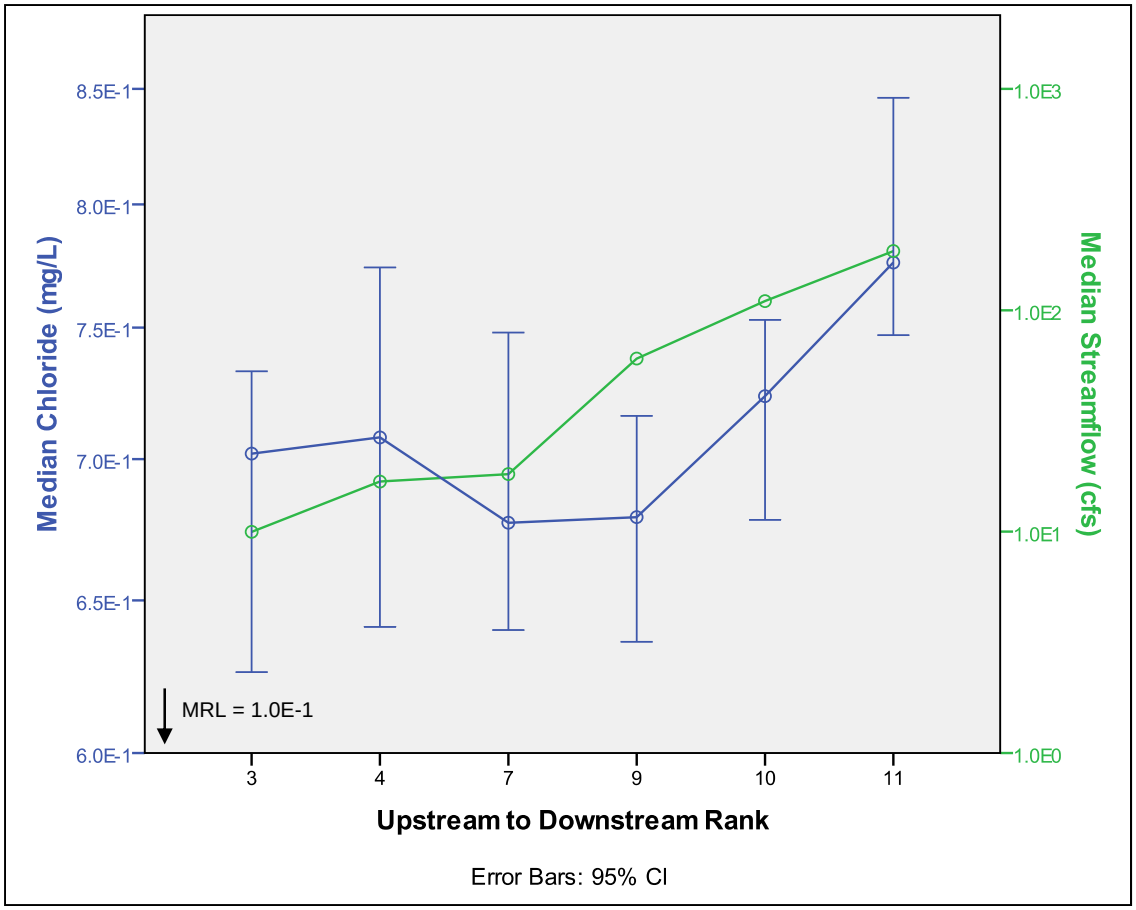
FIGURE 9.1-54
Sulfate Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

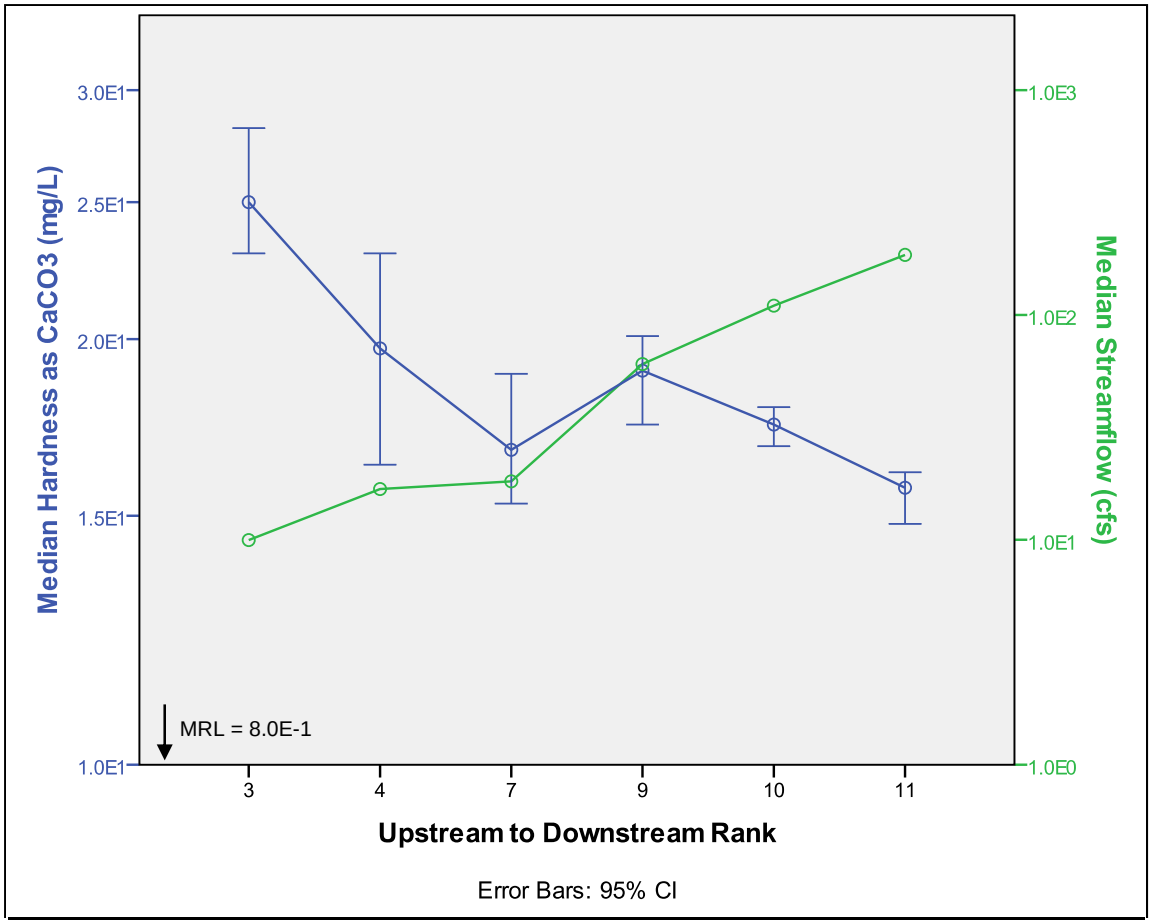
FIGURE 9.1-55
Chloride Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

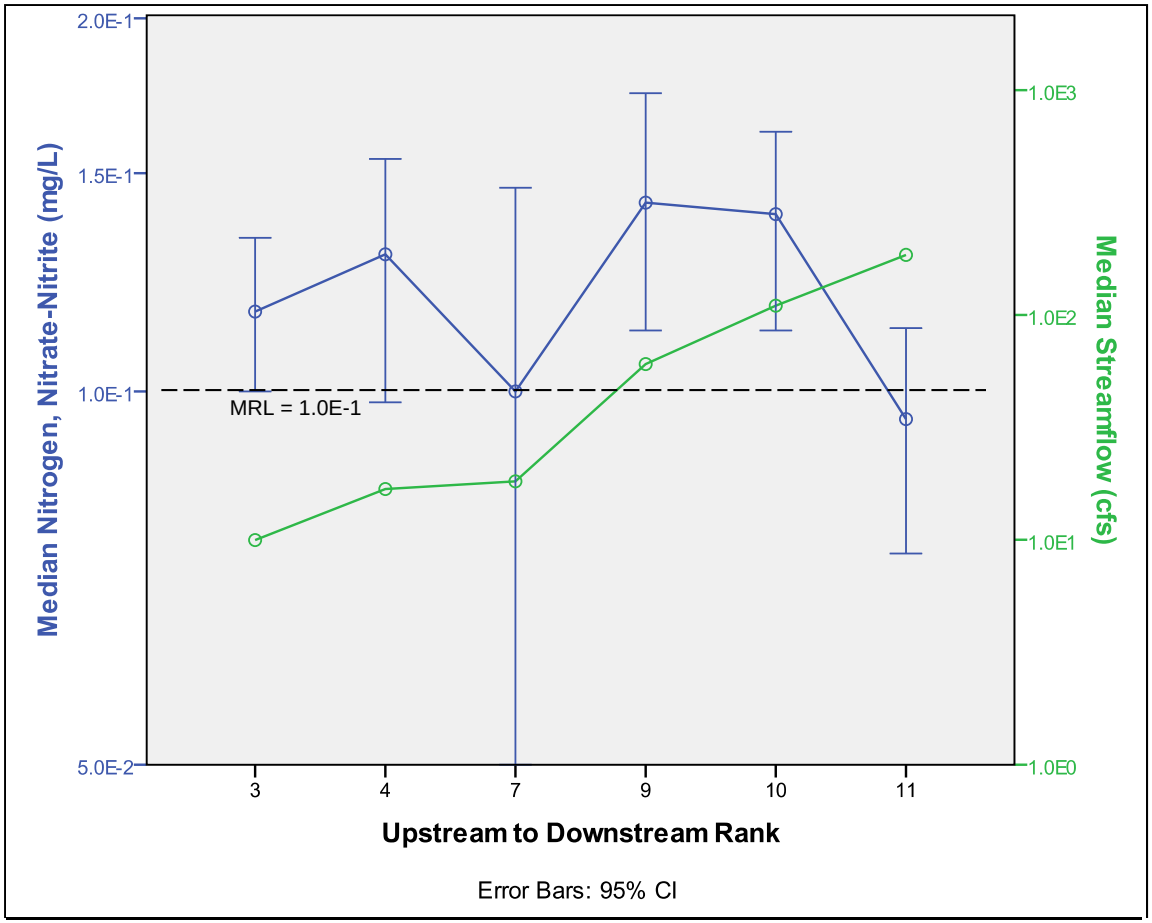
FIGURE 9.1-56
Hardness as $CaCO_3$ (Not Filtered) Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

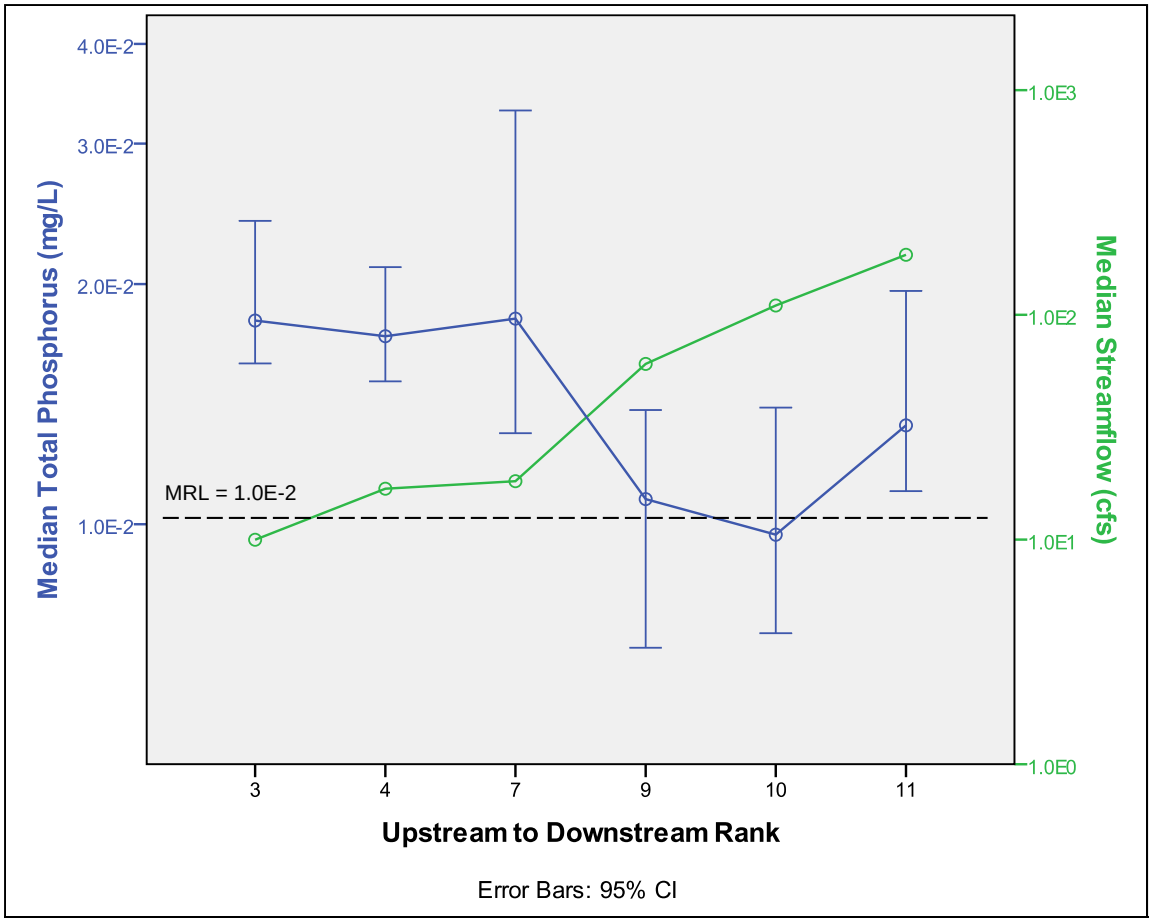
FIGURE 9.1-57
Total Nitrate+Nitrite (as N) Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

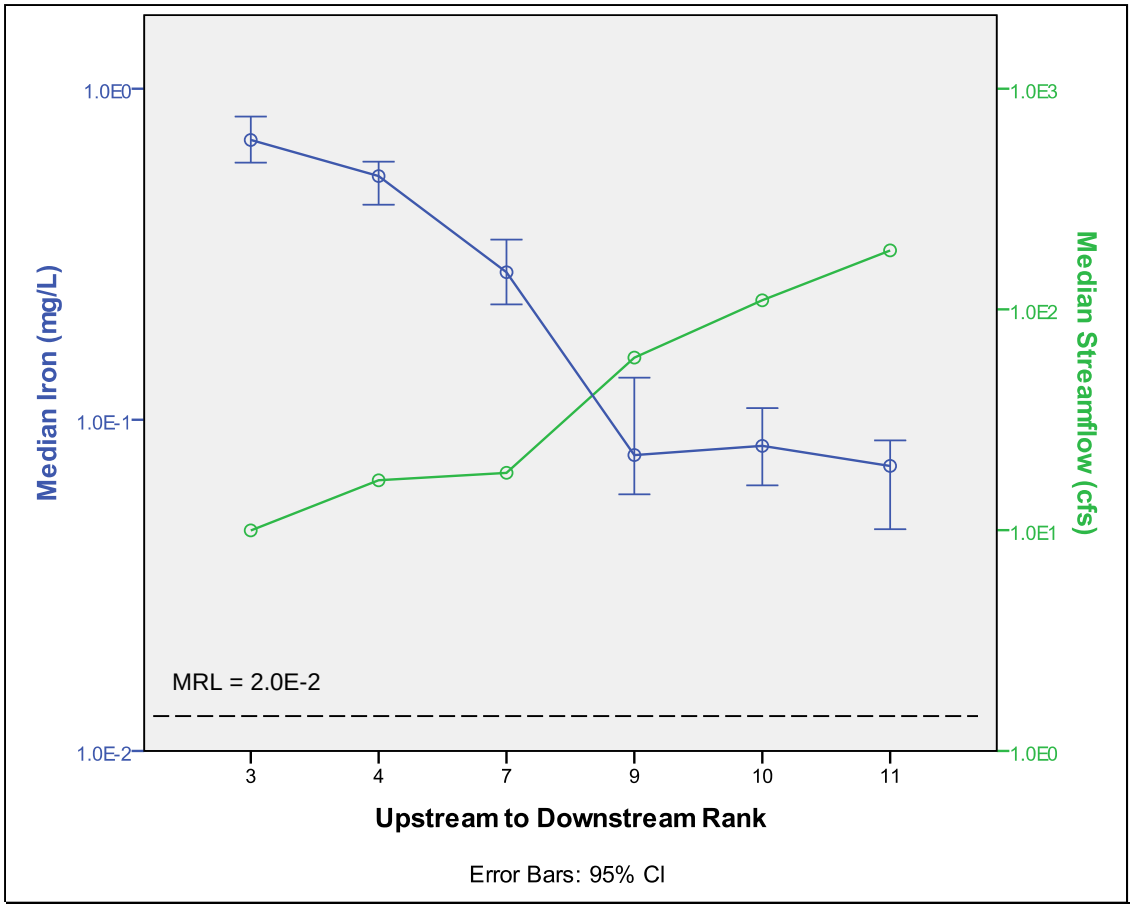
FIGURE 9.1-58
Total Phosphorus Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

FIGURE 9.1-59
Iron Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.

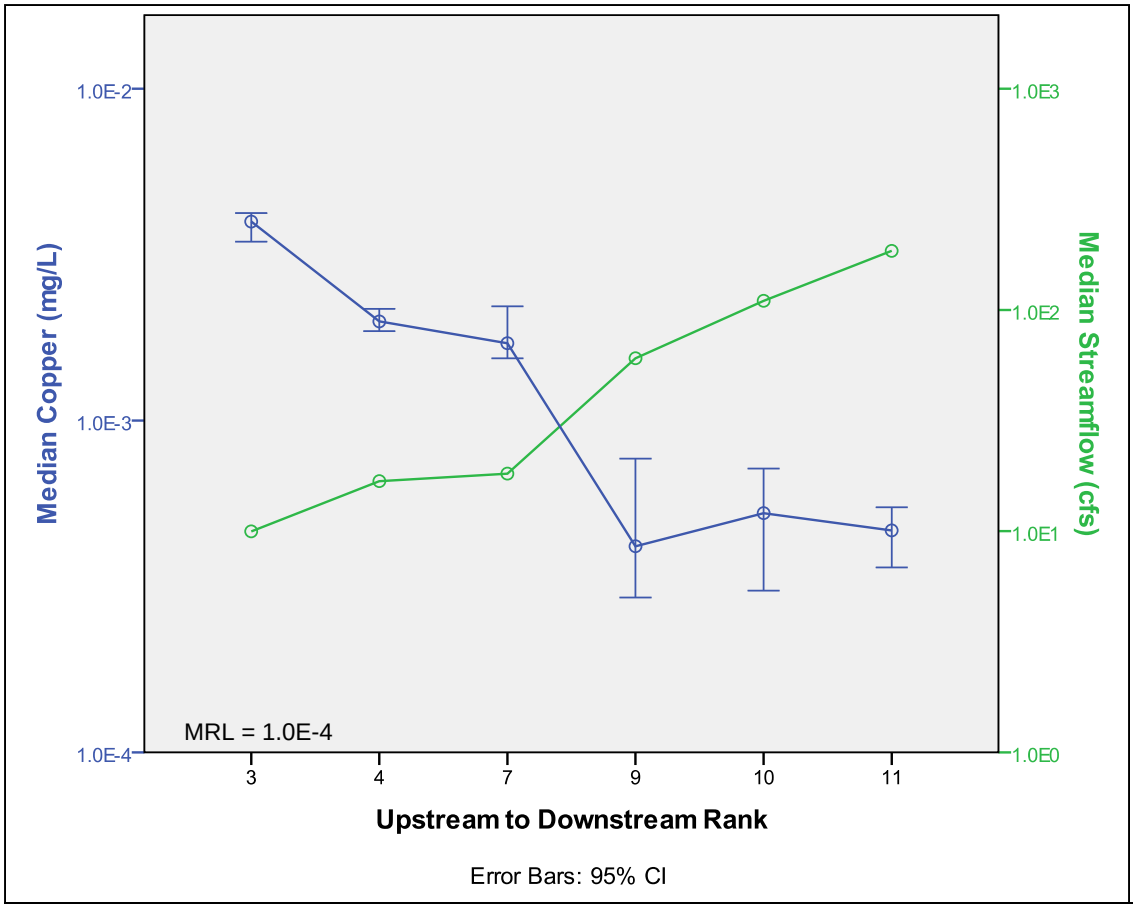


FIGURE 9.1-60
Copper Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.

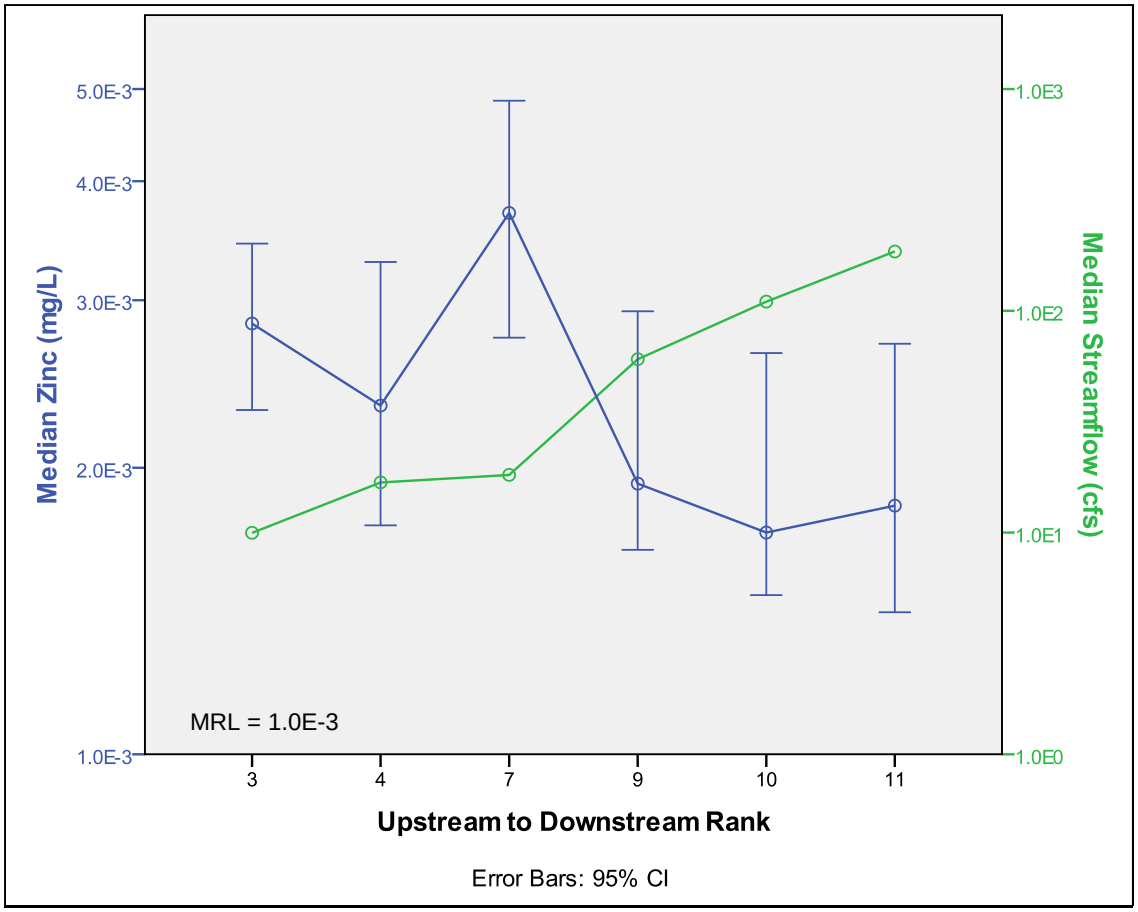


FIGURE 9.1-61
Zinc Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.

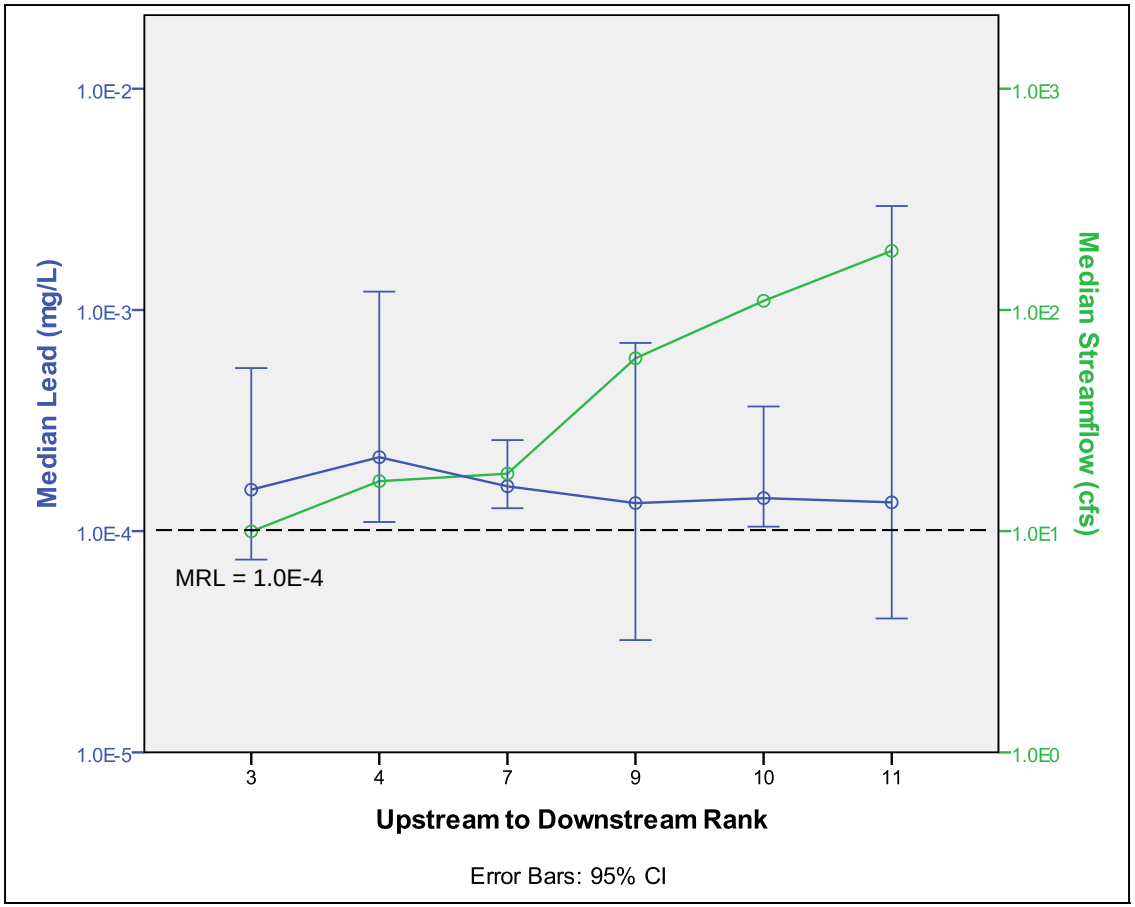


FIGURE 9.1-62
Lead Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. mg/L = milligrams per liter. MRL = method reporting limit.

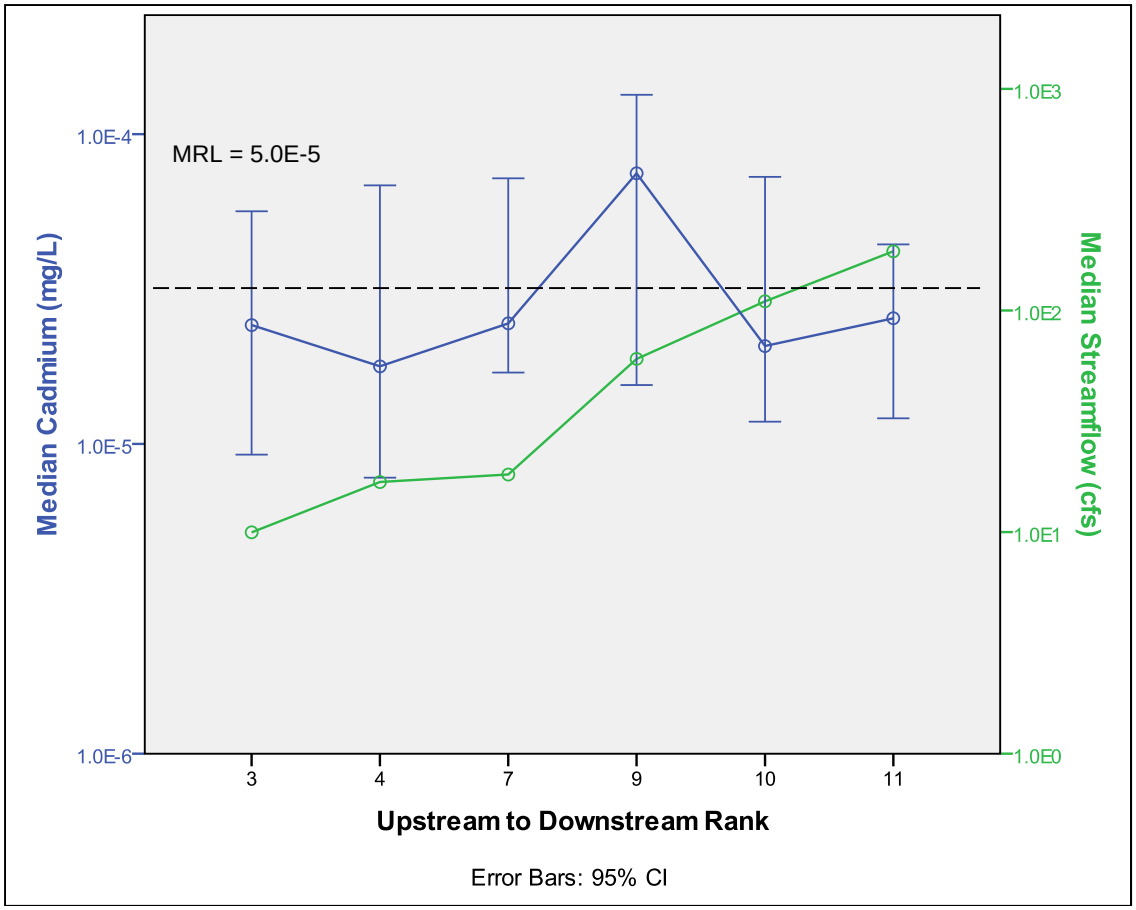
Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

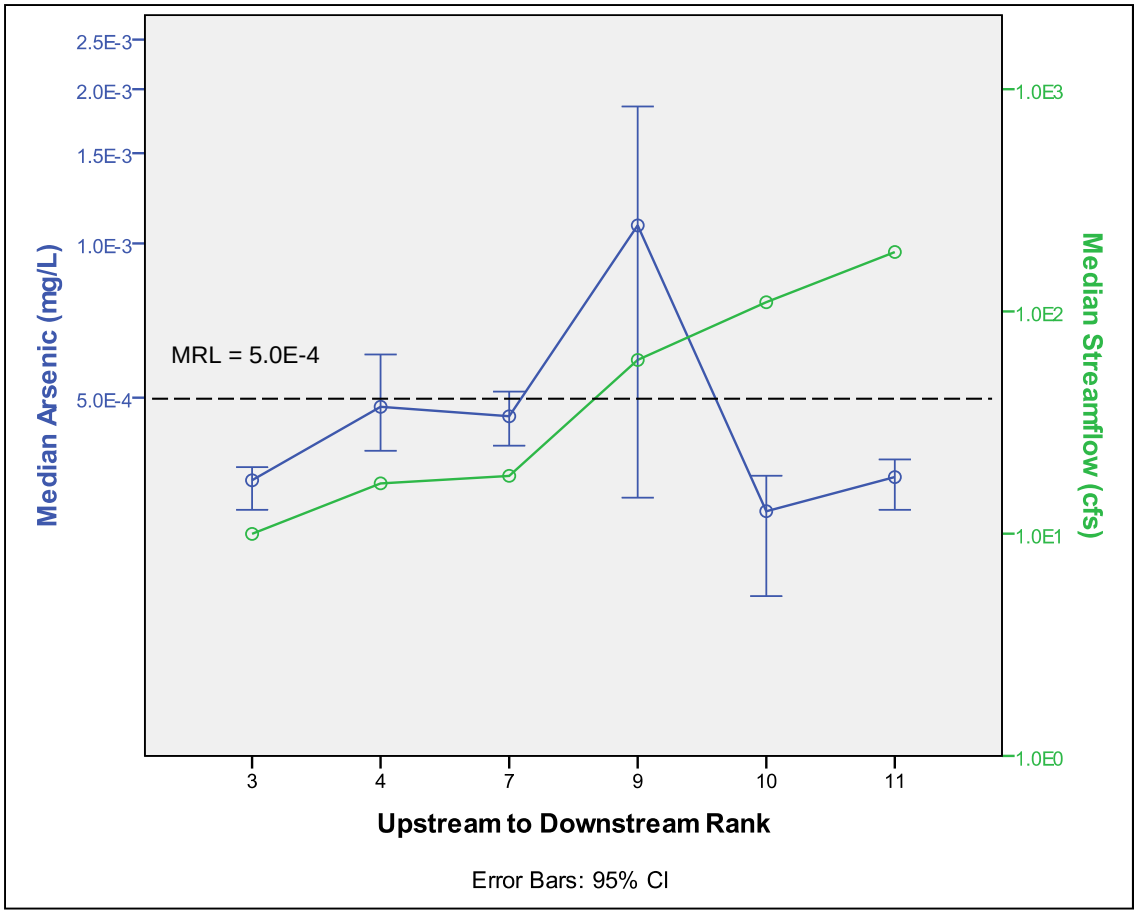
a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

FIGURE 9.1-63
Cadmium Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

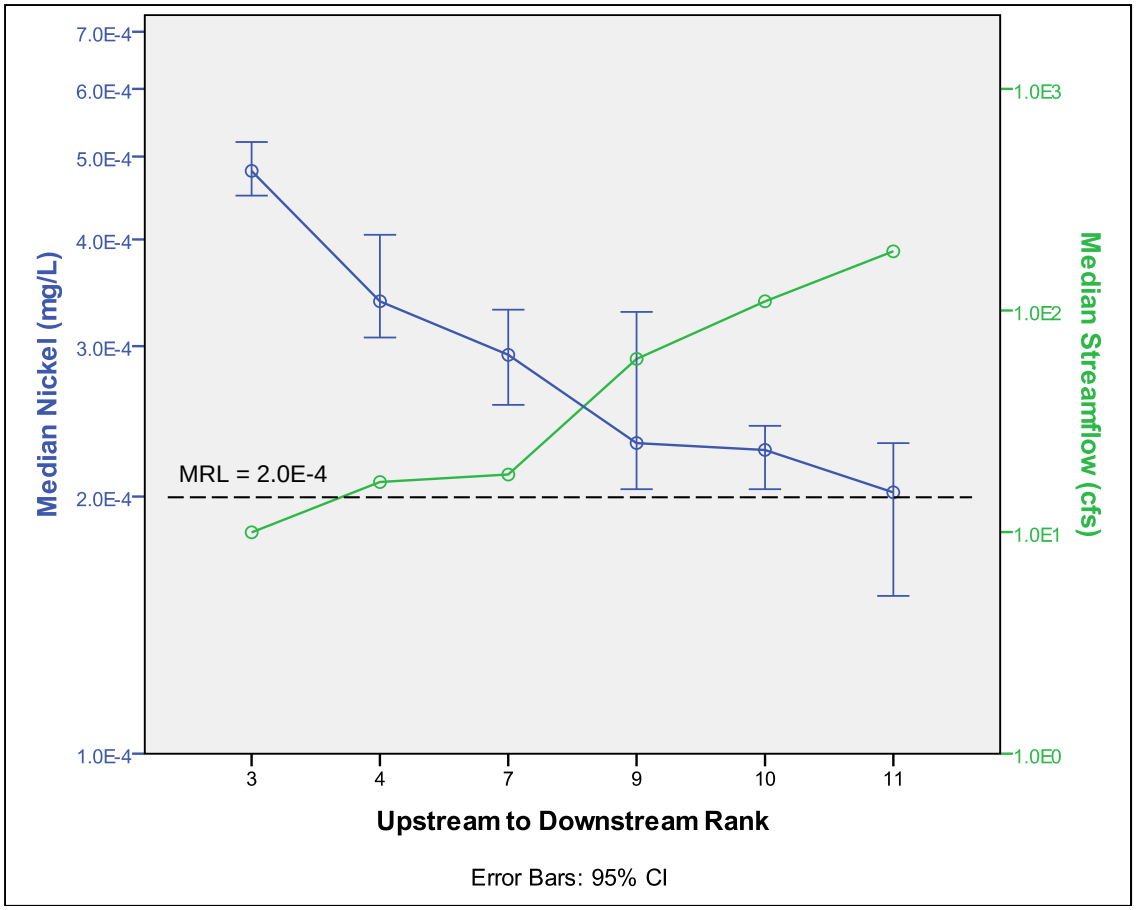
FIGURE 9.1-64
Arsenic Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

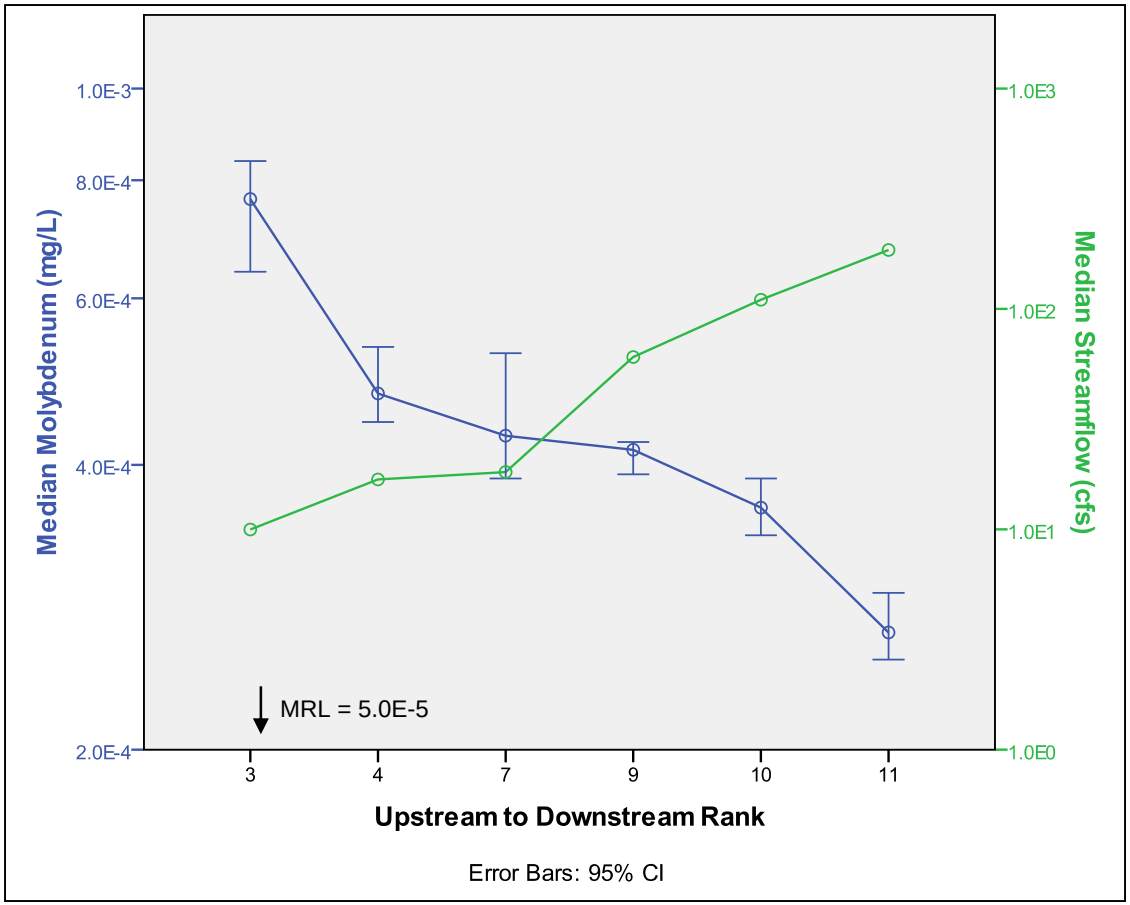
FIGURE 9.1-65
Nickel Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

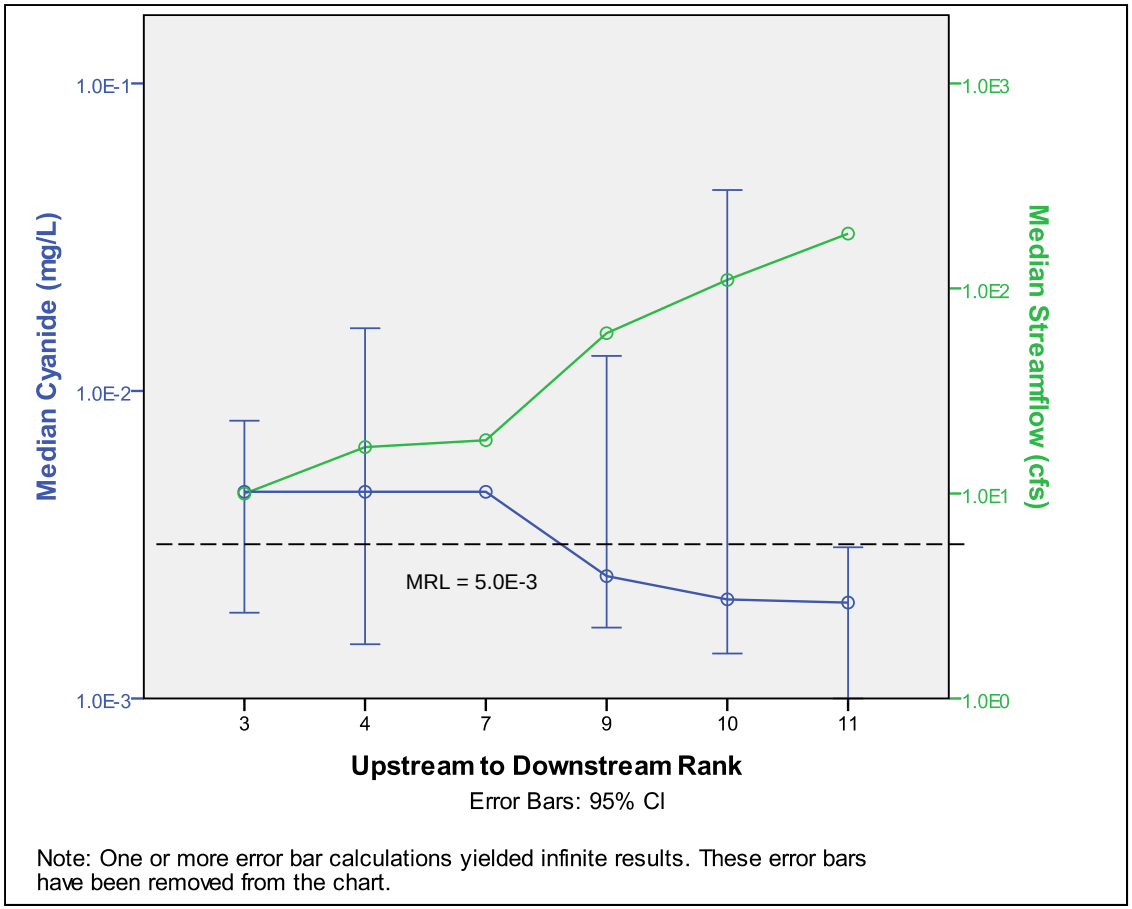
FIGURE 9.1-66
Molybdenum Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
SK100I [c]	1
SK100H [c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 1 (SK 100I), 2 (SK 100H), 5 (SK 100E), 6 (SK 100D), and 8 (SK 100B2). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

FIGURE 9.1-67
Total Cyanide Surface Water Concentrations and Streamflow in the South Fork Koktuli River Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.

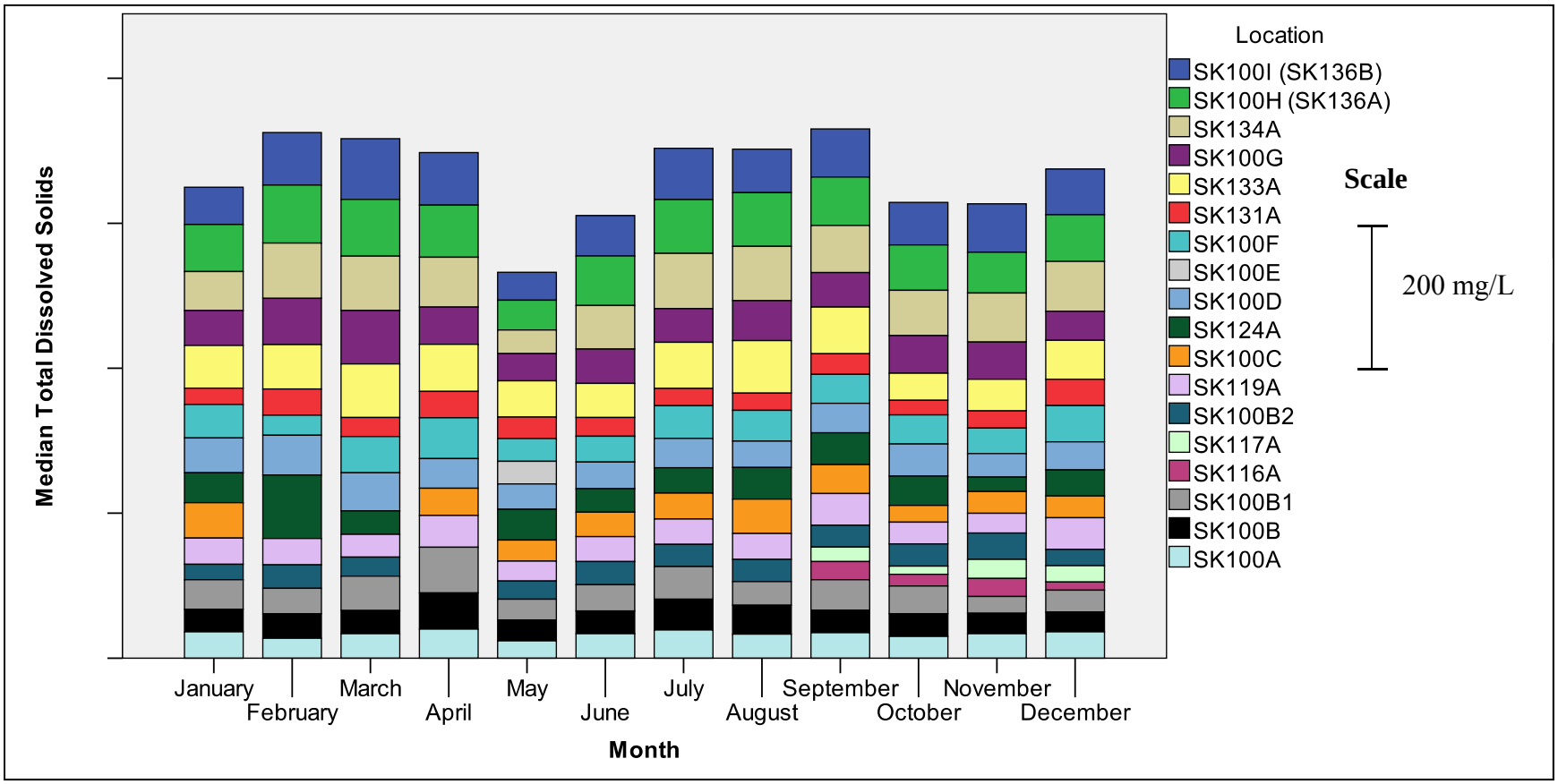


FIGURE 9.1-68
Total Dissolved Solids Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

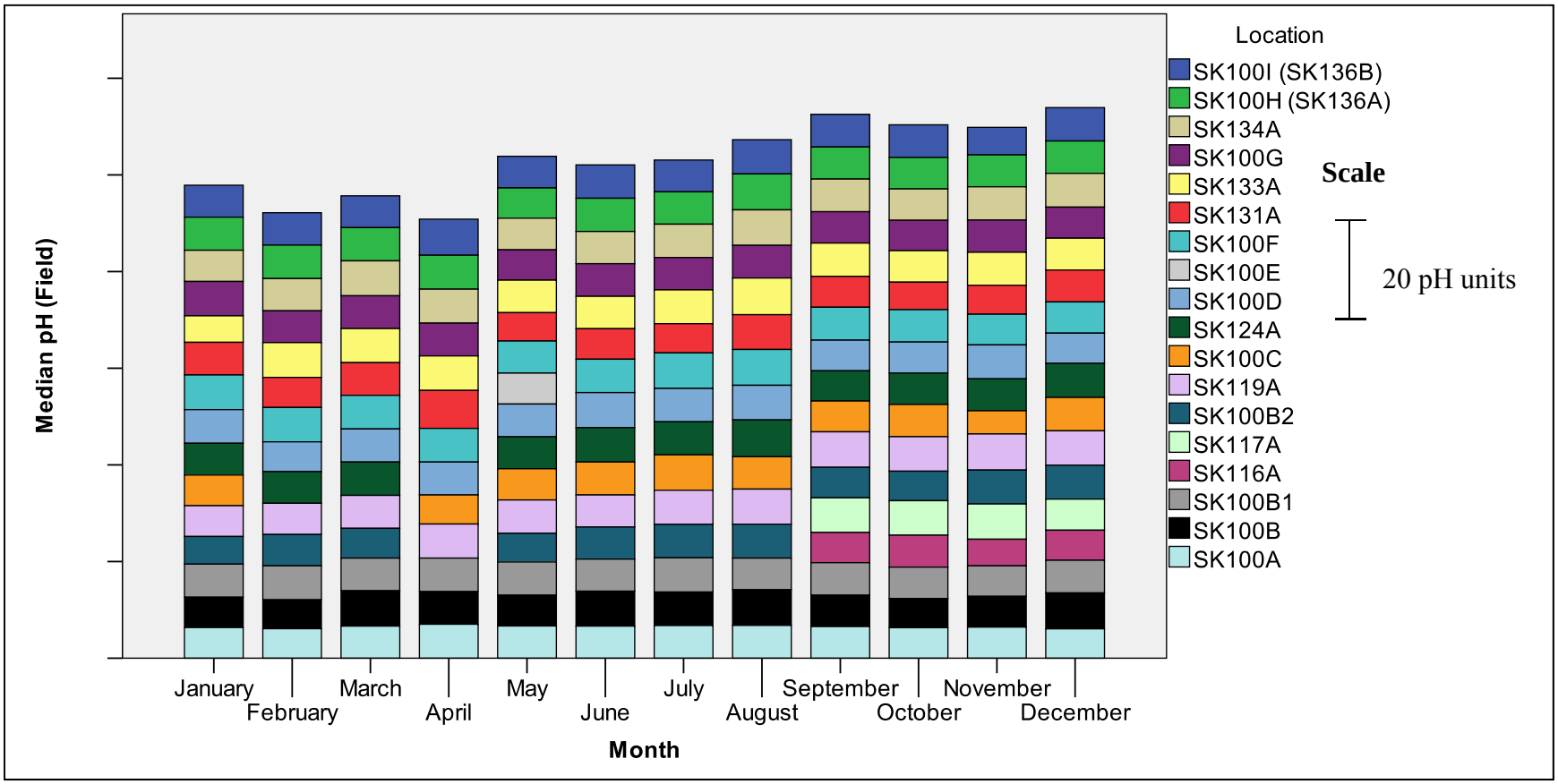


FIGURE 9.1-69
pH (Field) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in standard pH units.

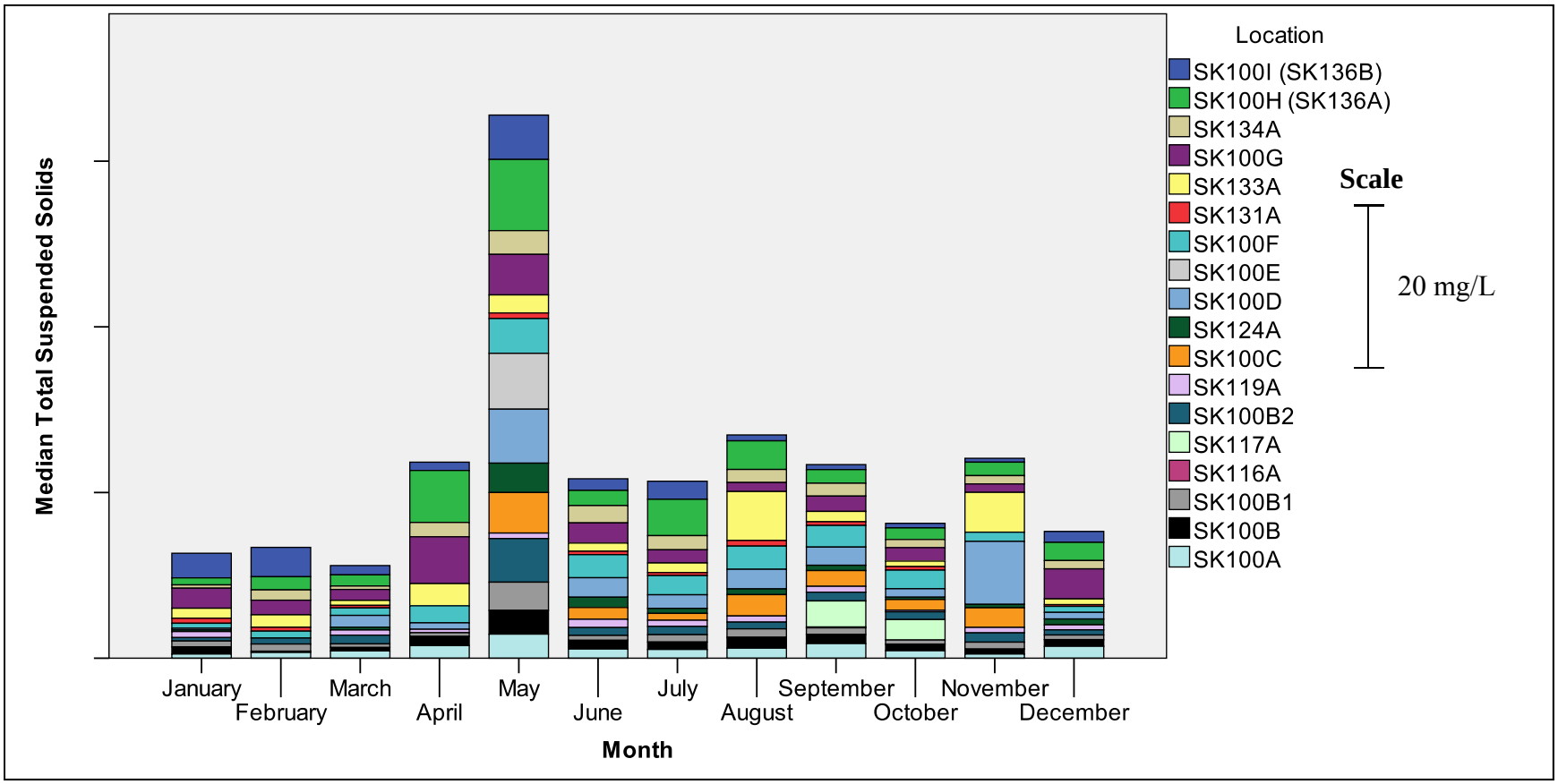


FIGURE 9.1-70
Total Suspended Solids Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.515 mg/L.

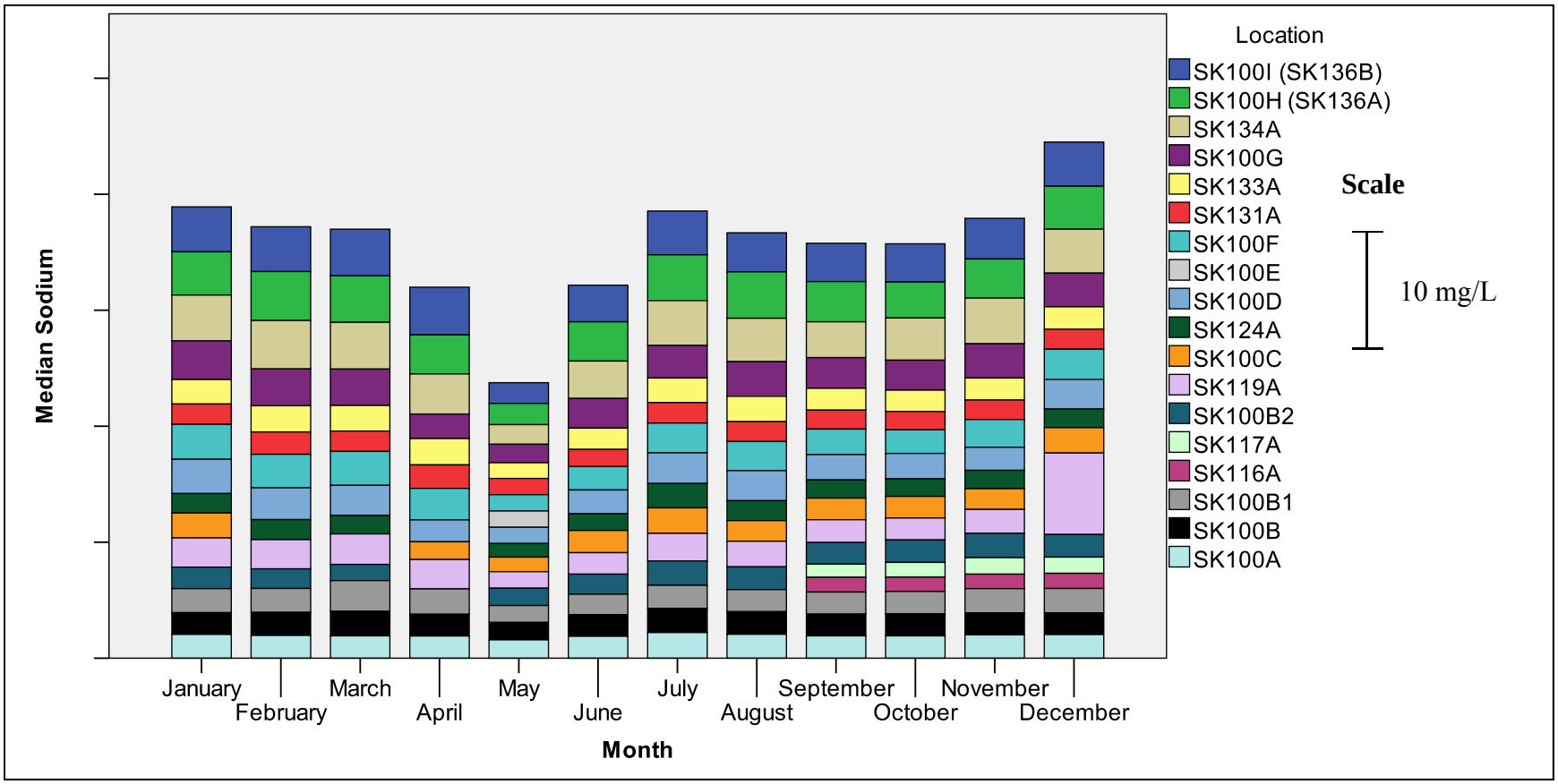


FIGURE 9.1-71
Sodium (Total) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

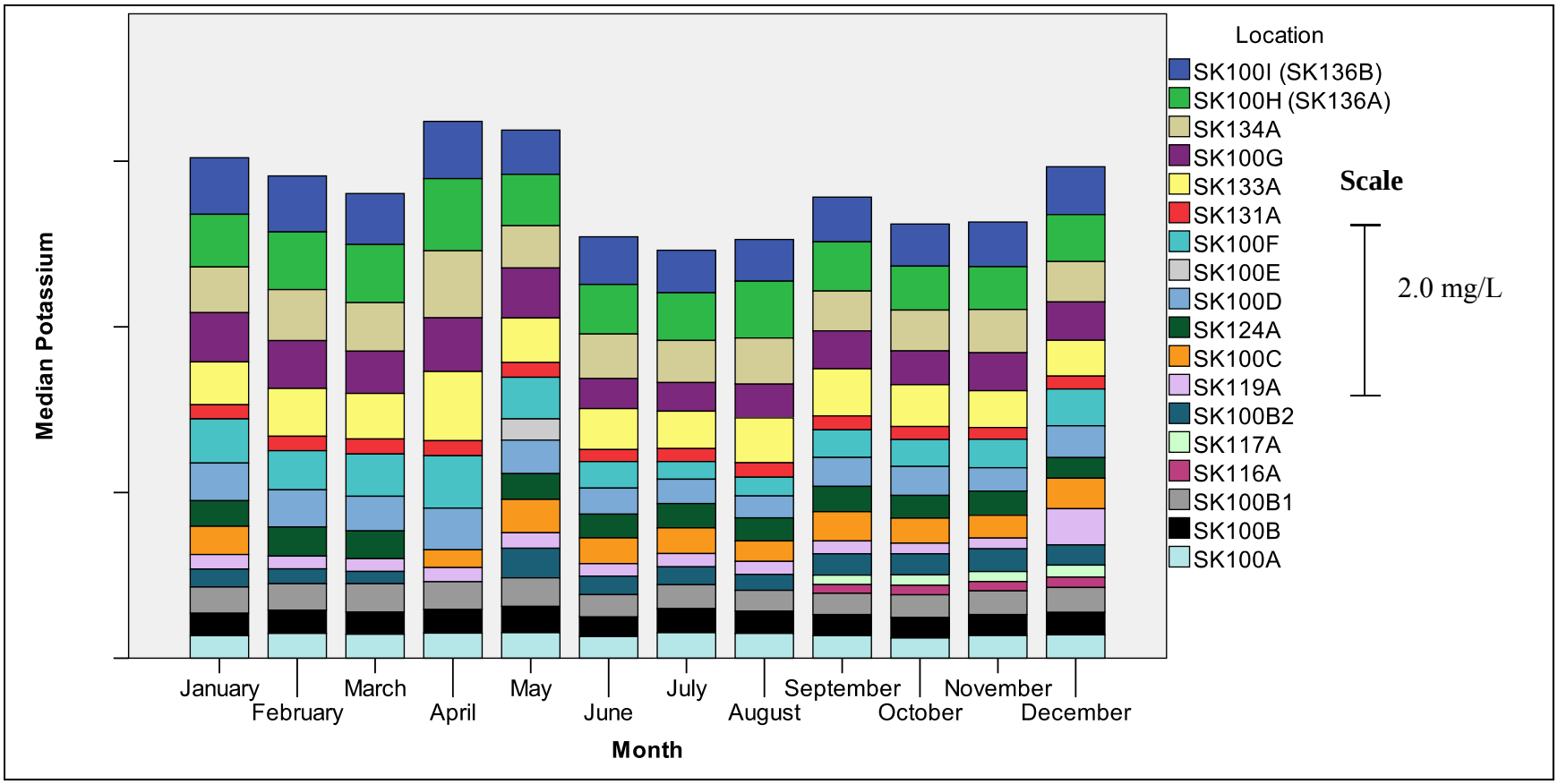


FIGURE 9.1-72
Potassium Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.050 mg/L.

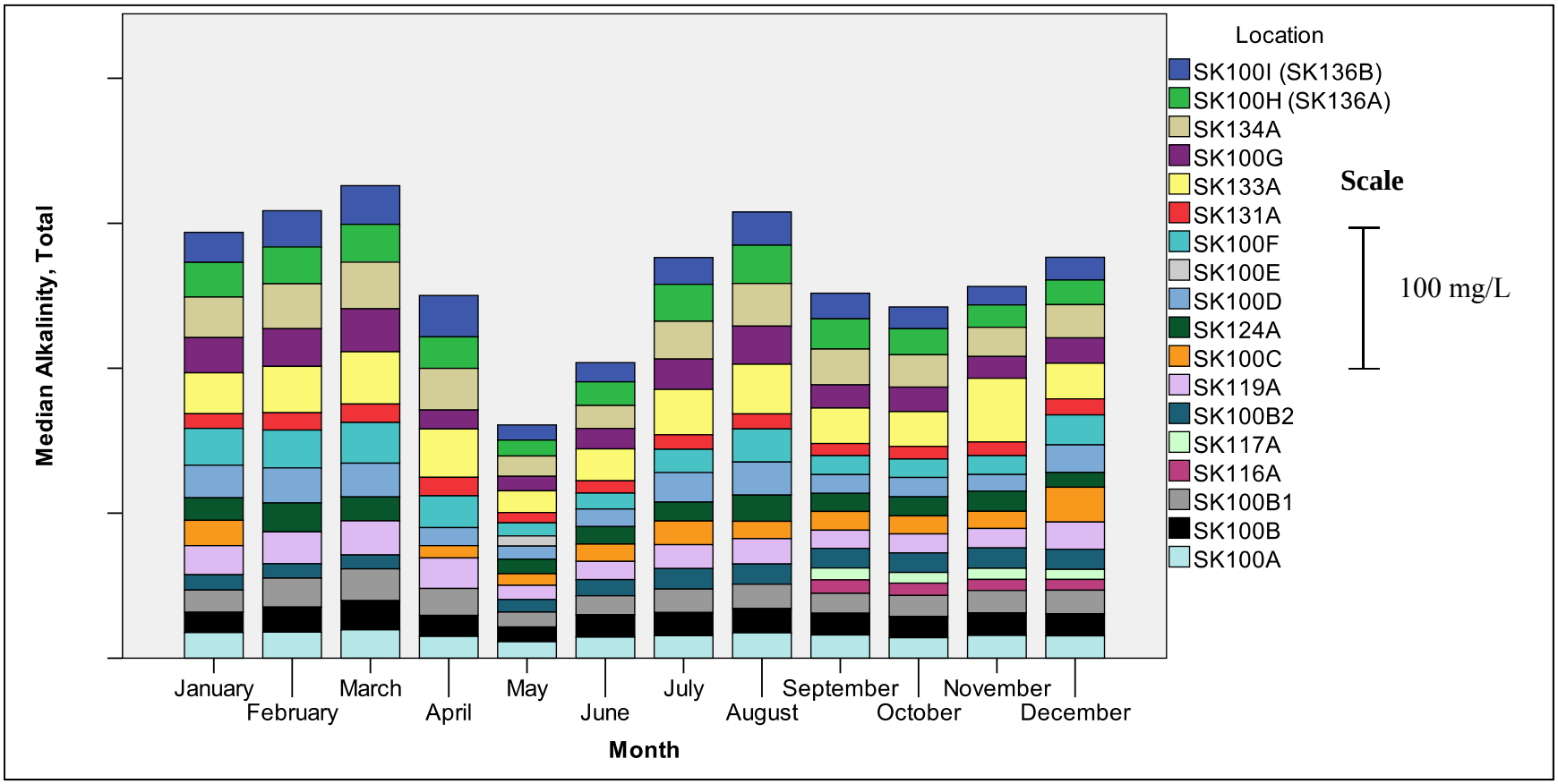


FIGURE 9.1-73
Alkalinity (Total) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

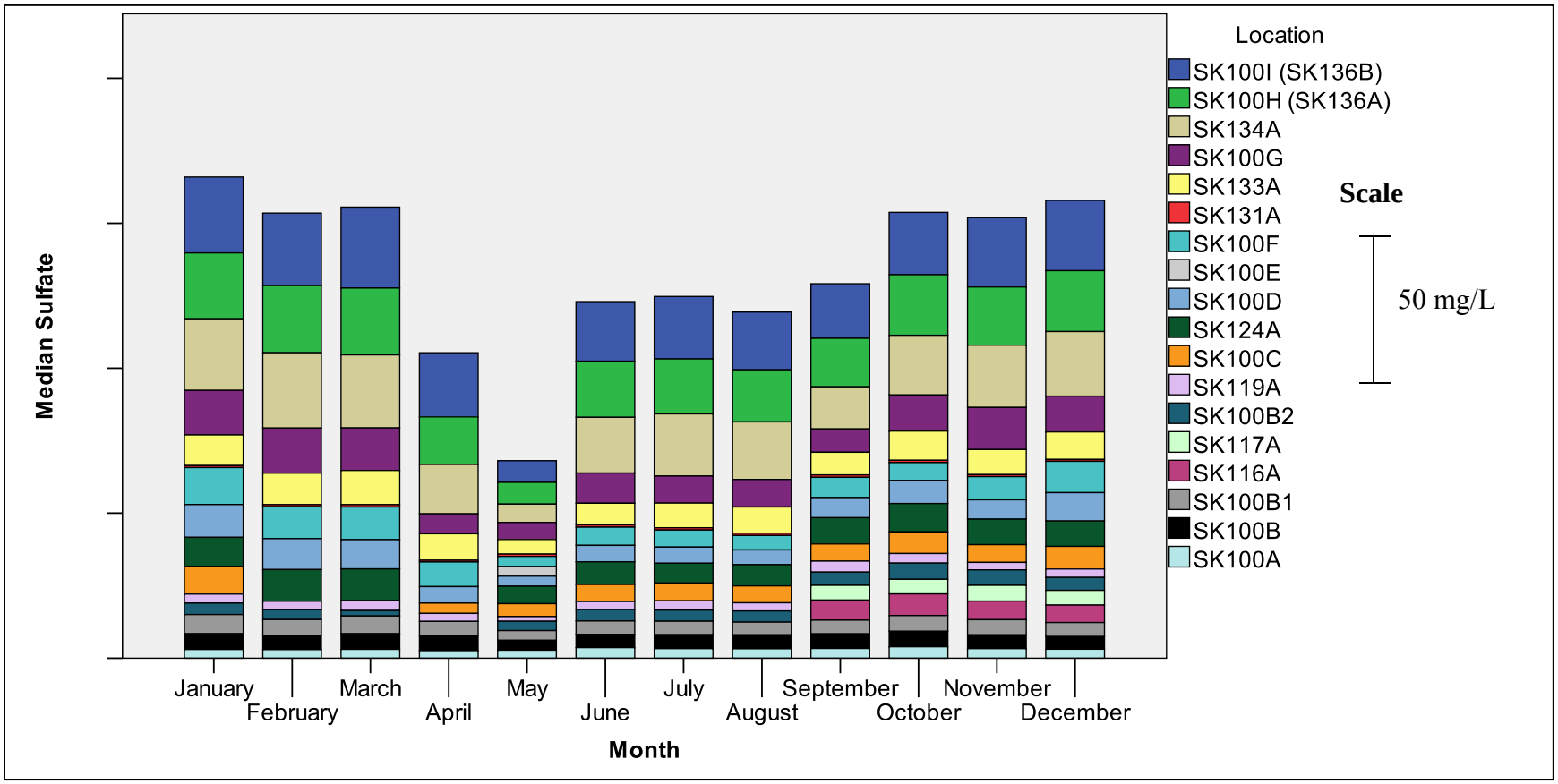


FIGURE 9.1-74
Sulfate Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

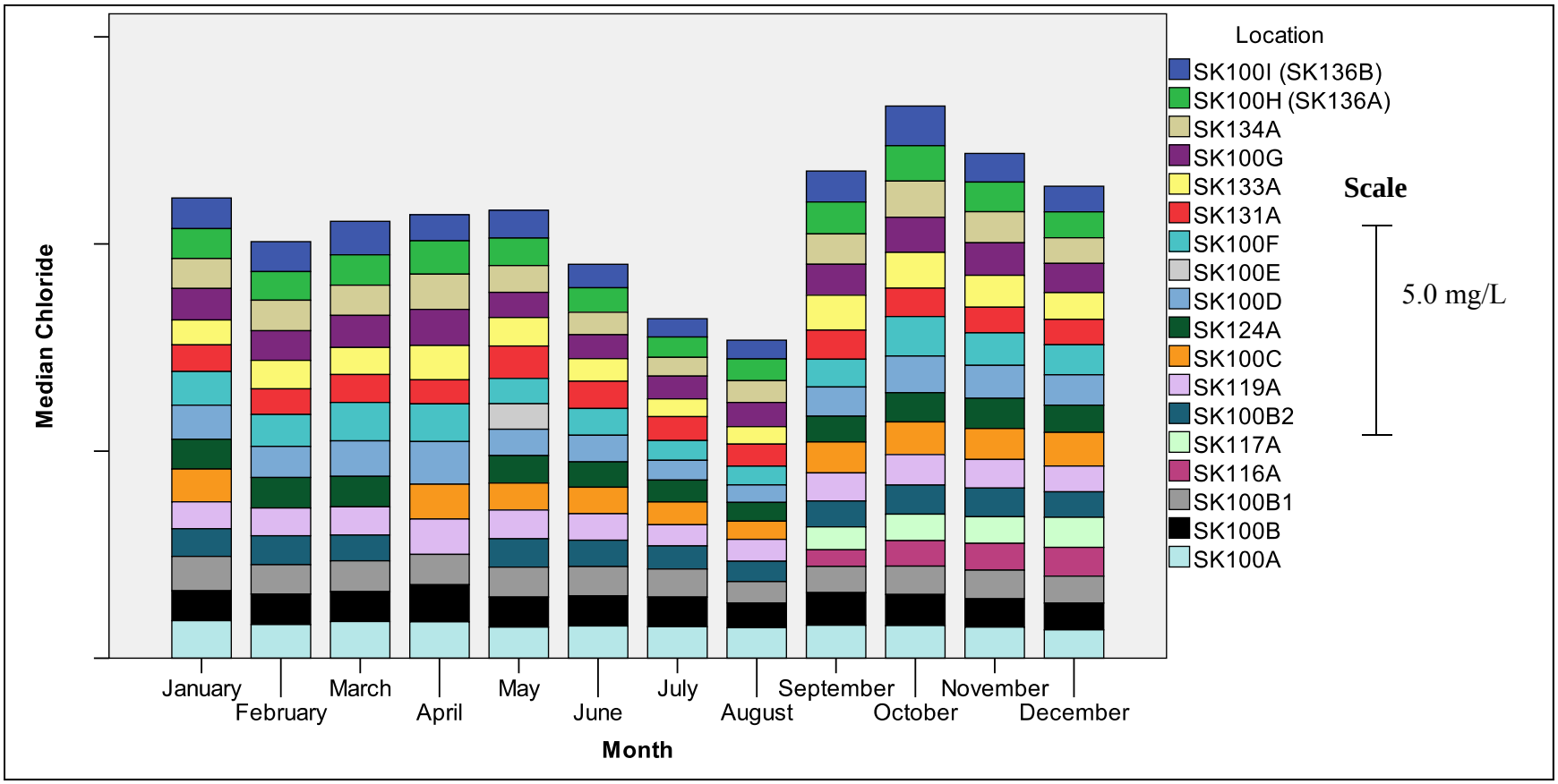


FIGURE 9.1-75
Chloride Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

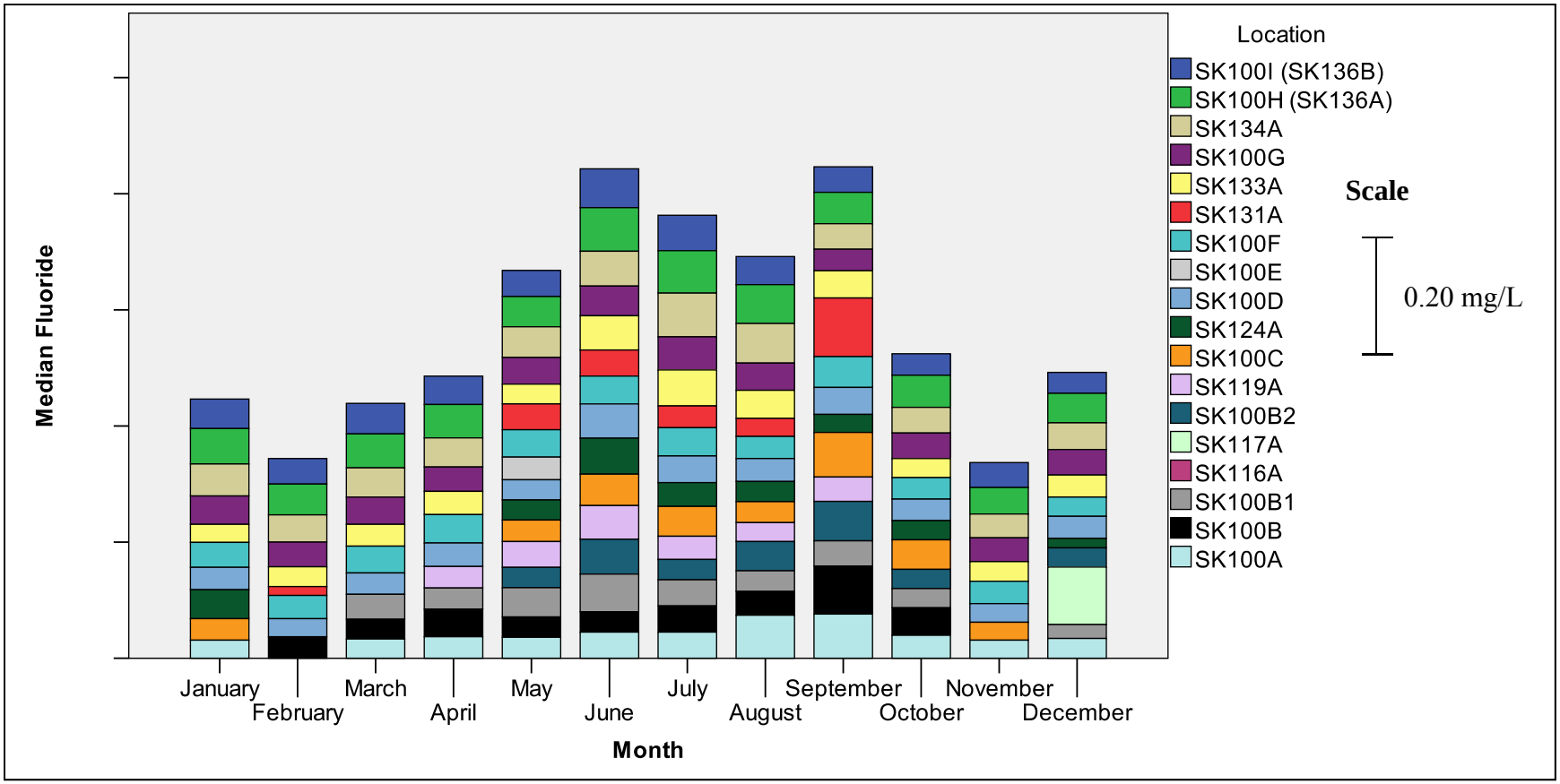


FIGURE 9.1-76
Fluoride Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

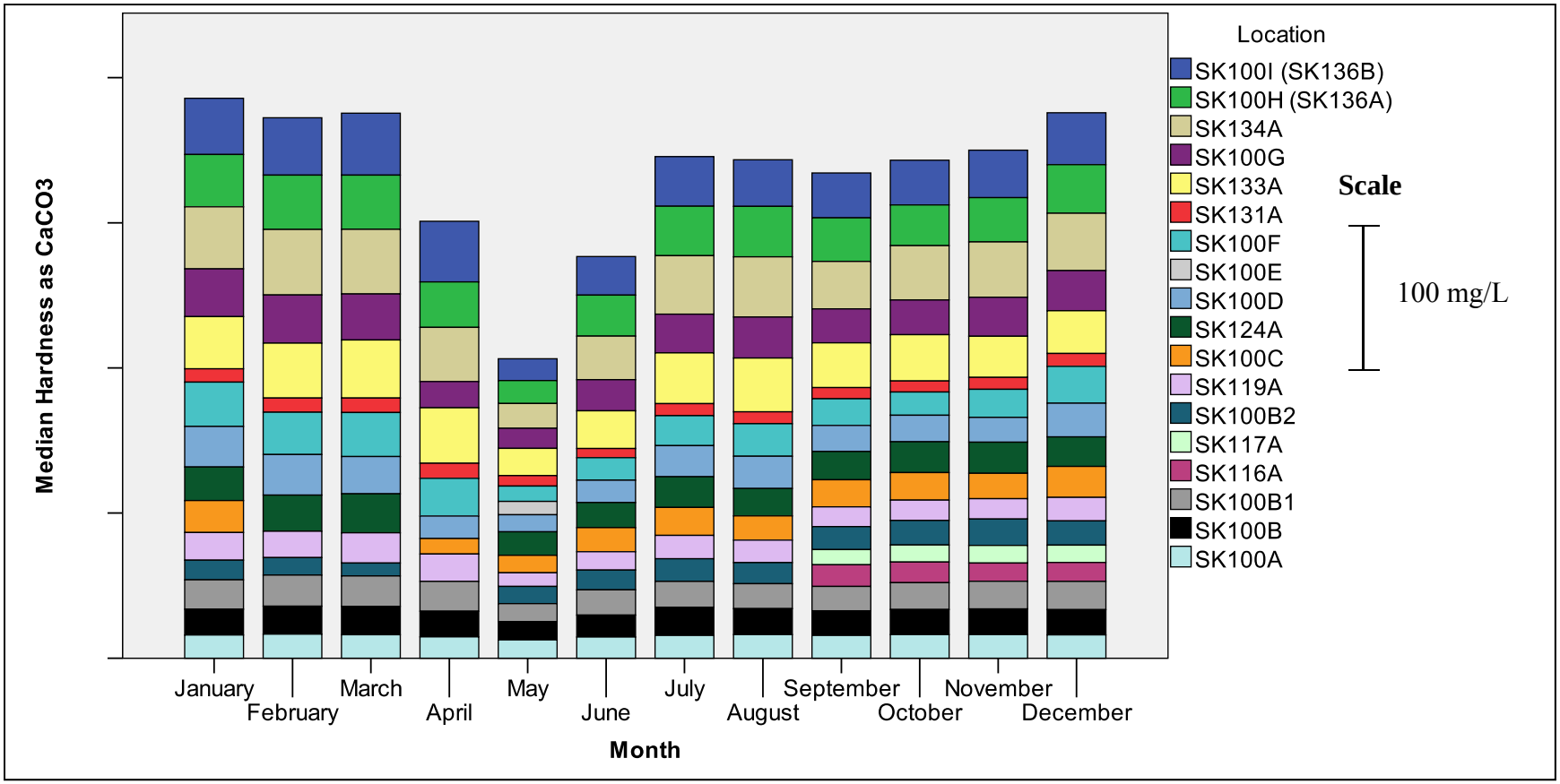


FIGURE 9.1-77
Hardness as $CaCO_3$ (Not Filtered) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.80 mg/L.

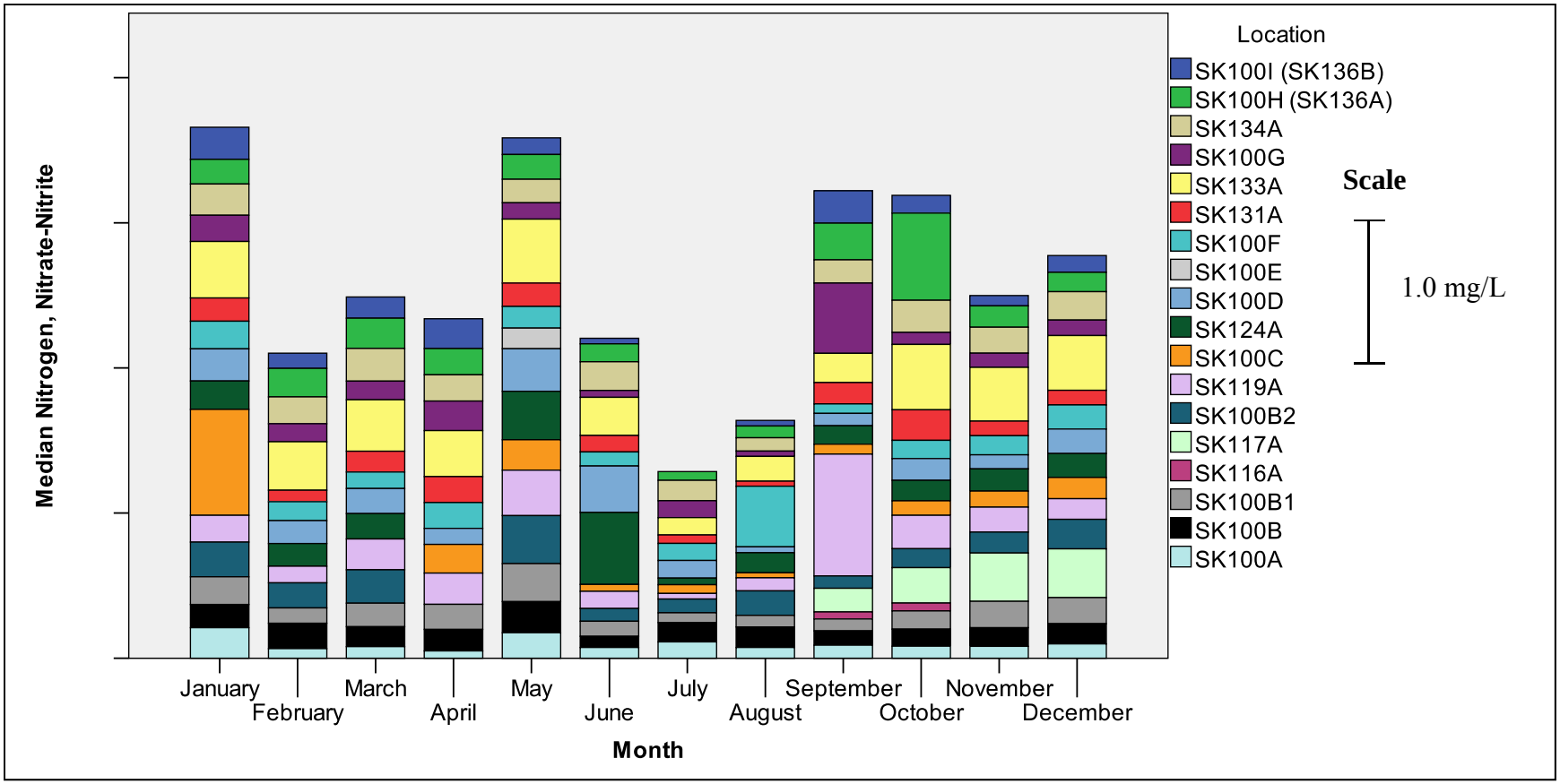


FIGURE 9.1-78
Total Nitrate+Nitrite (as N) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

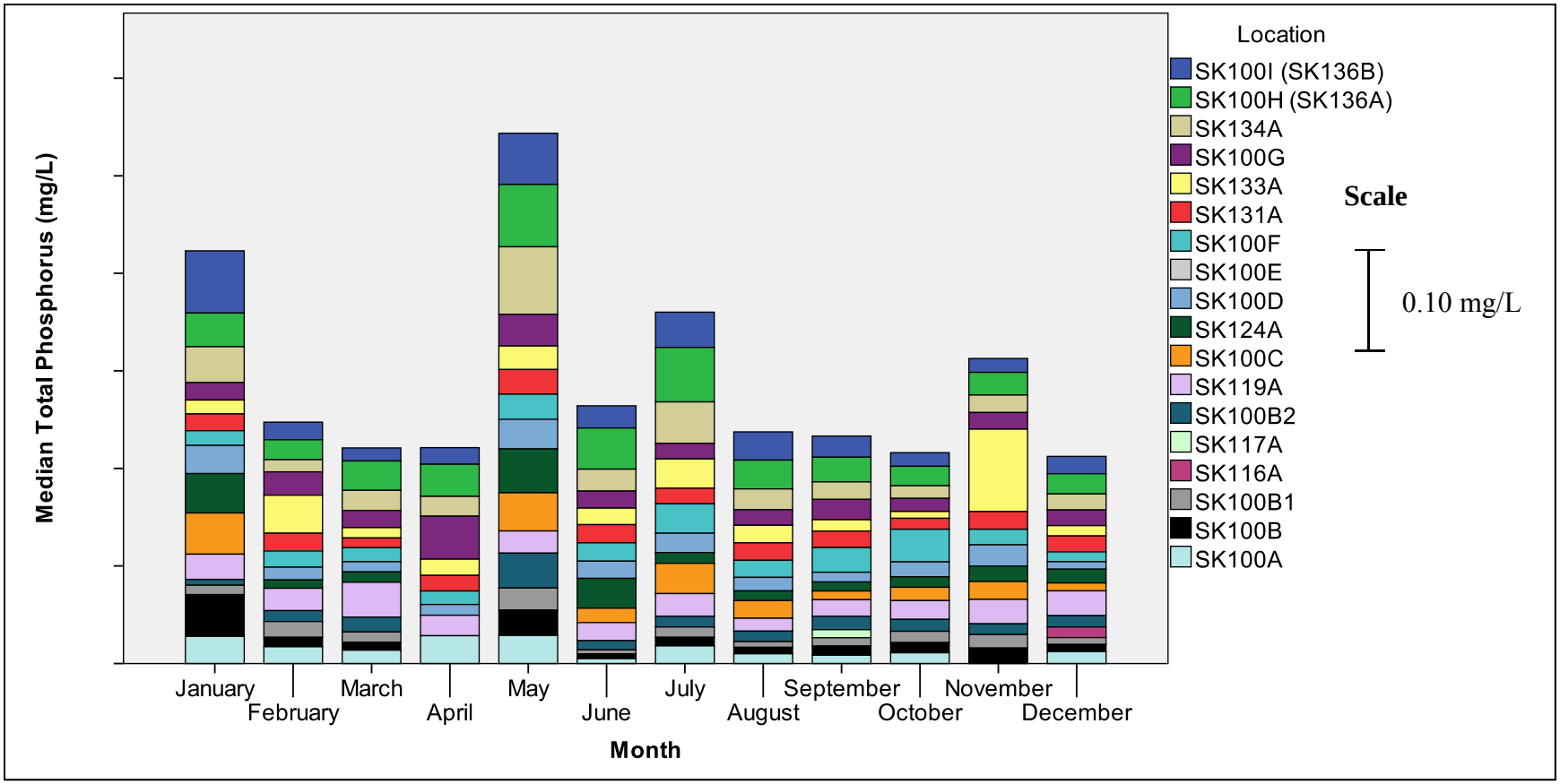


FIGURE 9.1-79
Total Phosphorus Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.010 mg/L.

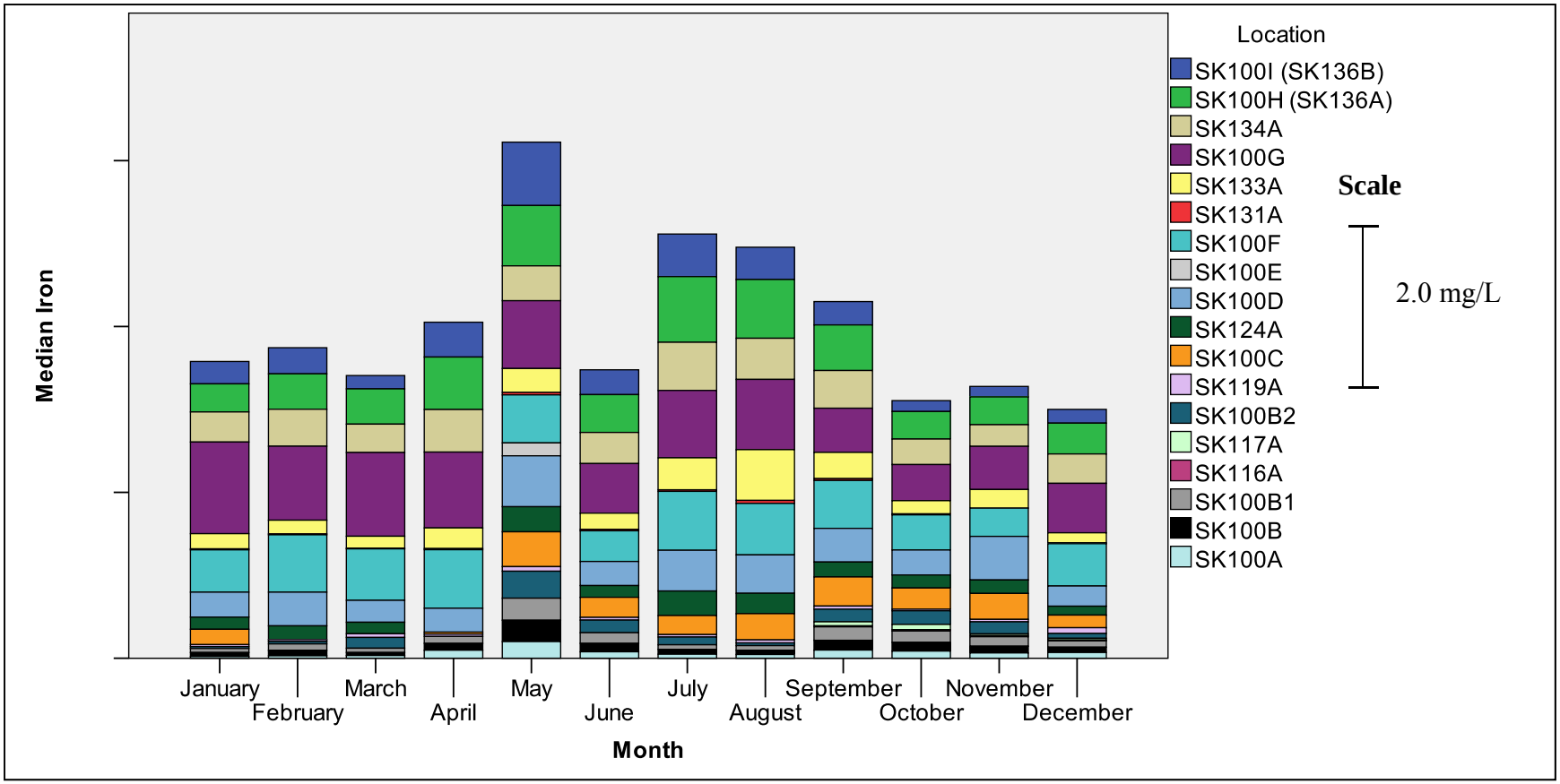


FIGURE 9.1-80

Iron Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.020 mg/L.

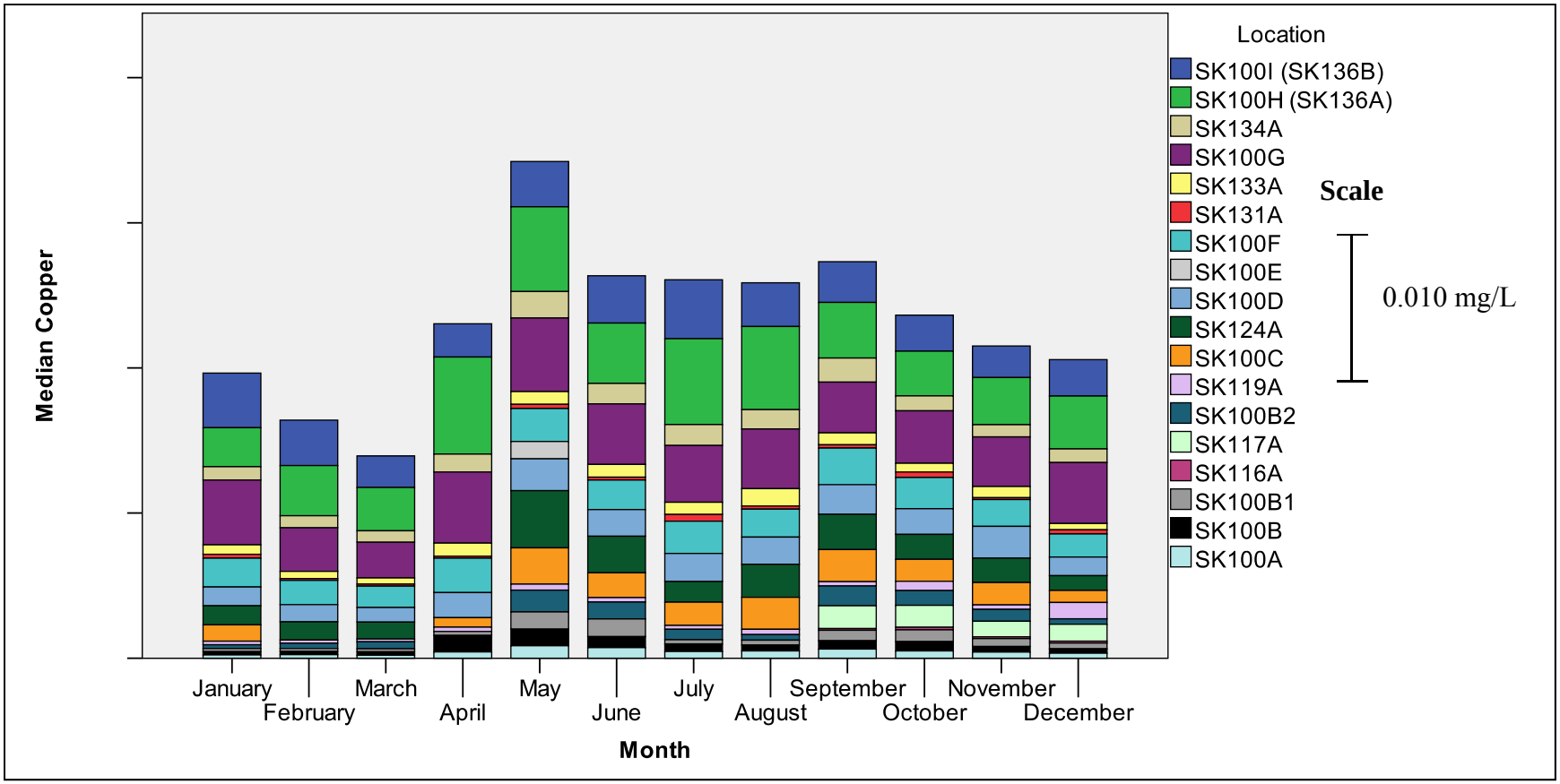


FIGURE 9.1-81
Copper Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

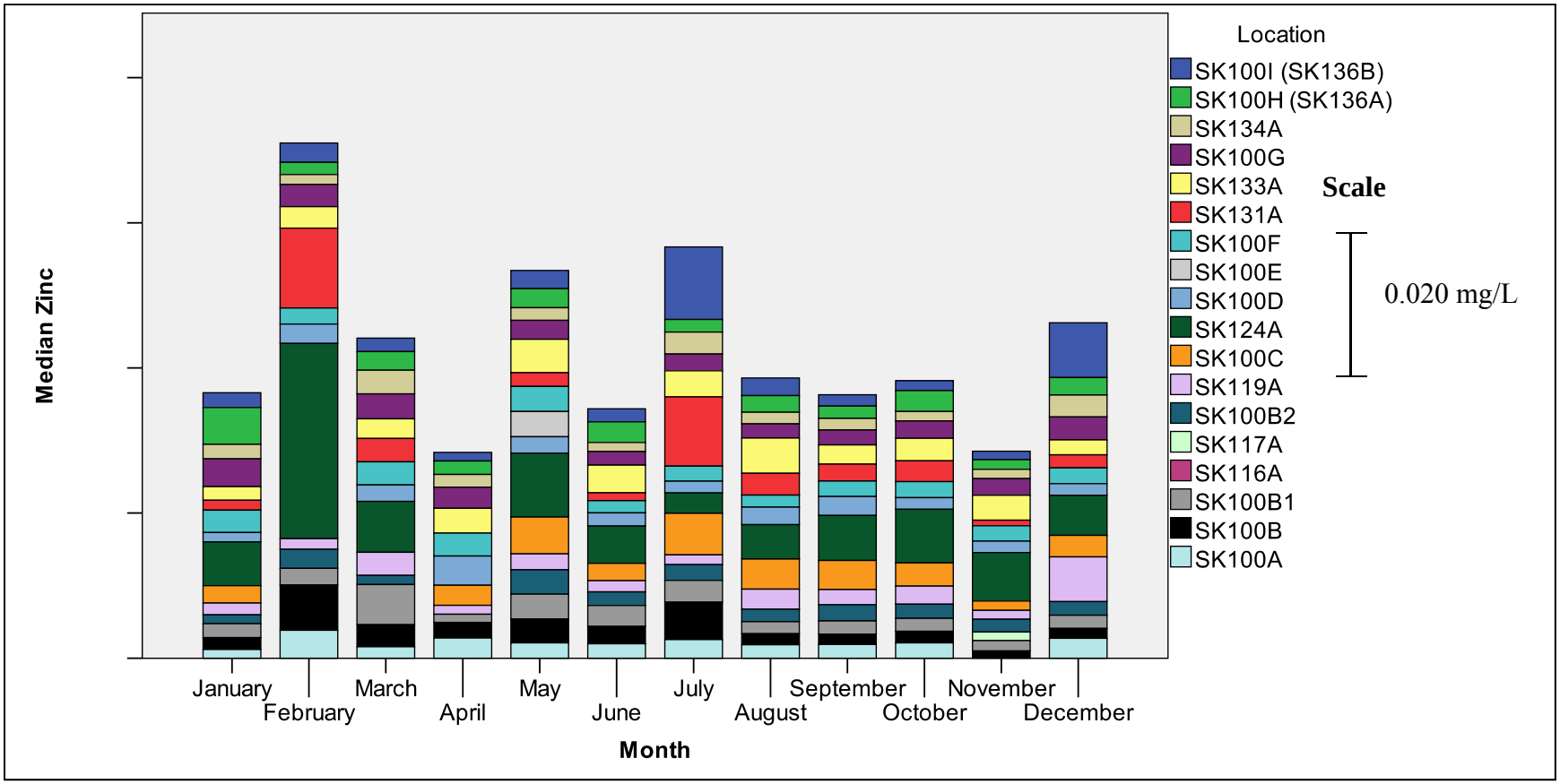


FIGURE 9.1-82

Zinc Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0010 mg/L.

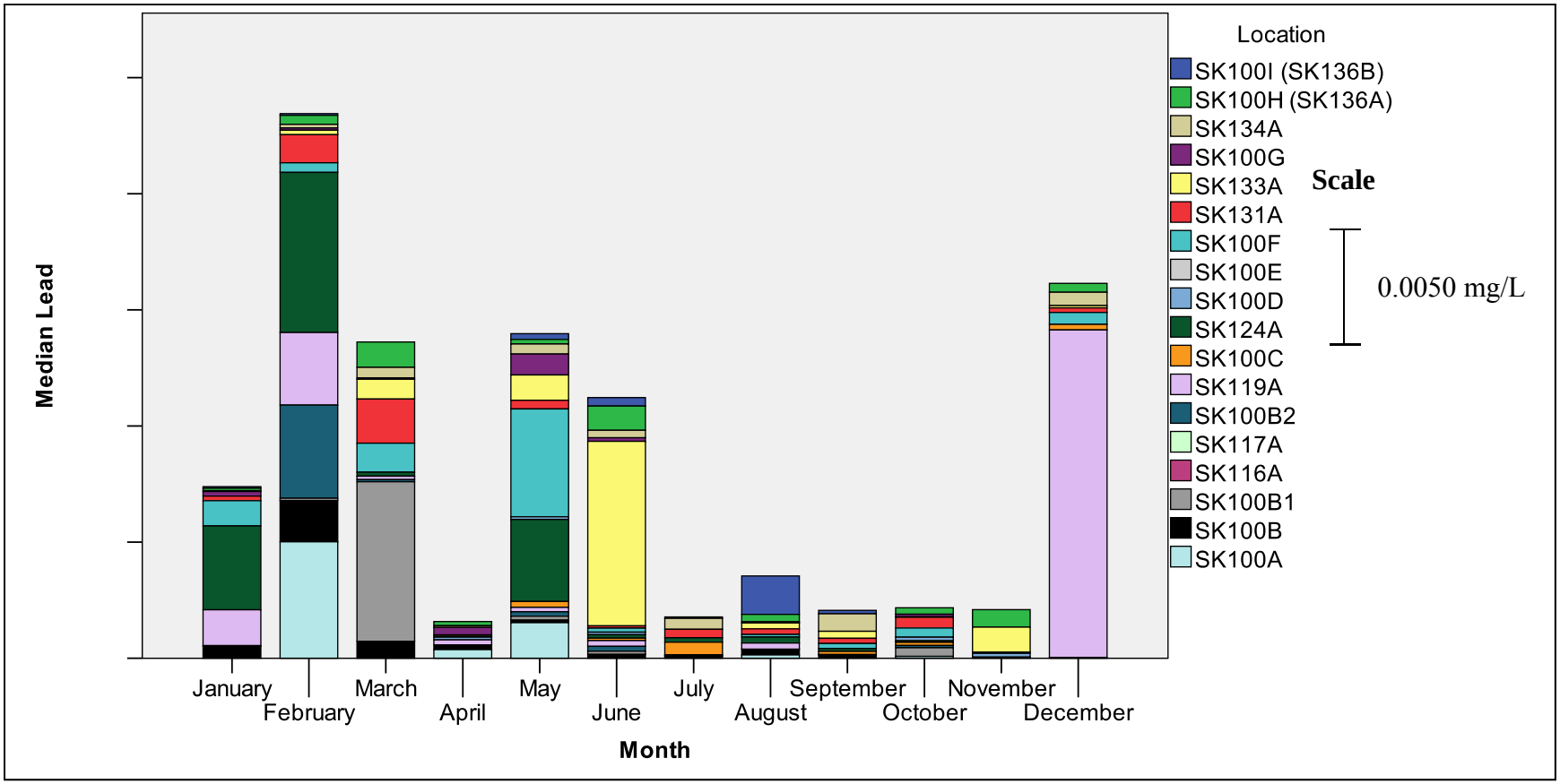


FIGURE 9.1-83
Lead Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

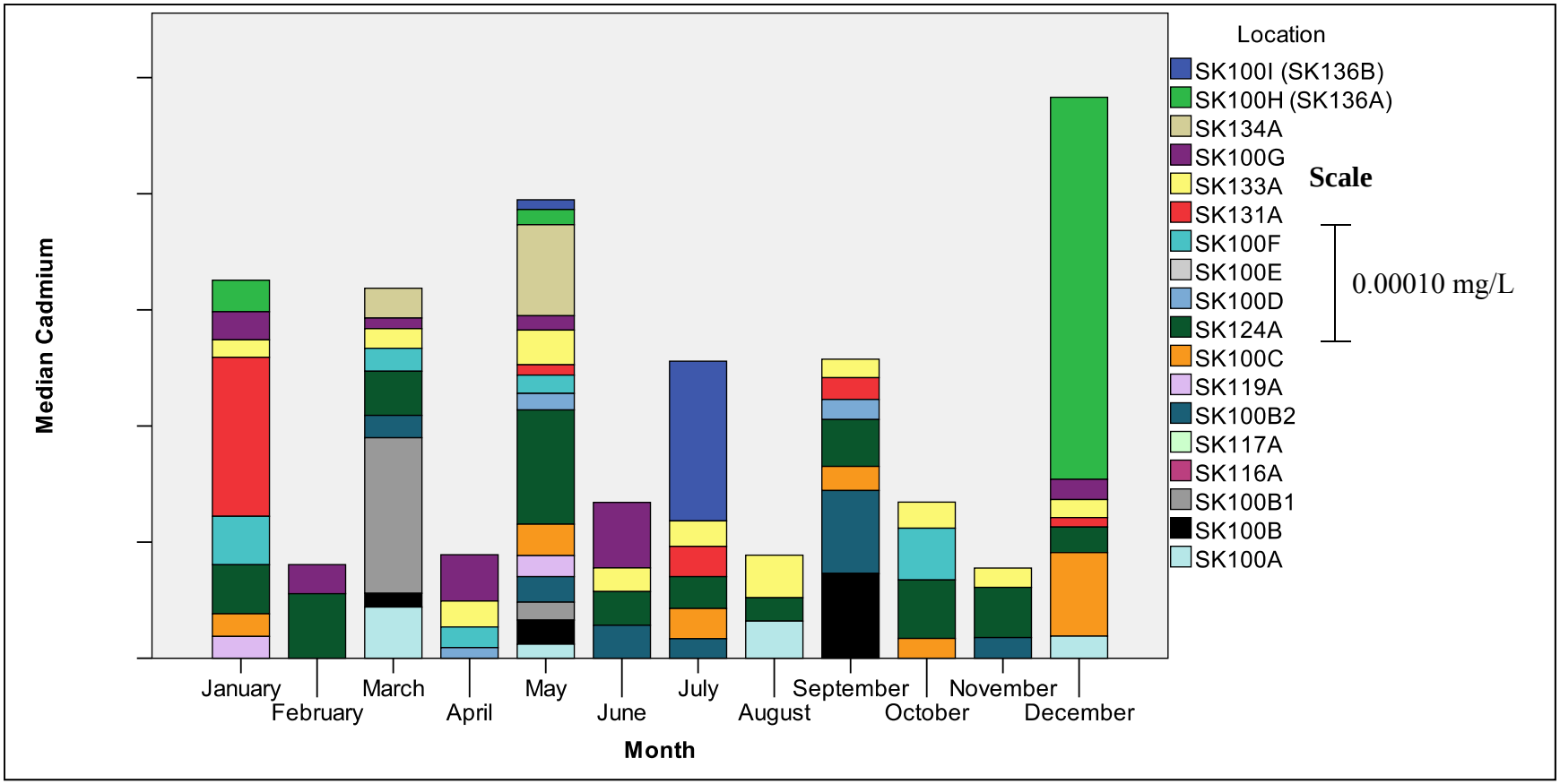


FIGURE 9.1-84
Cadmium Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

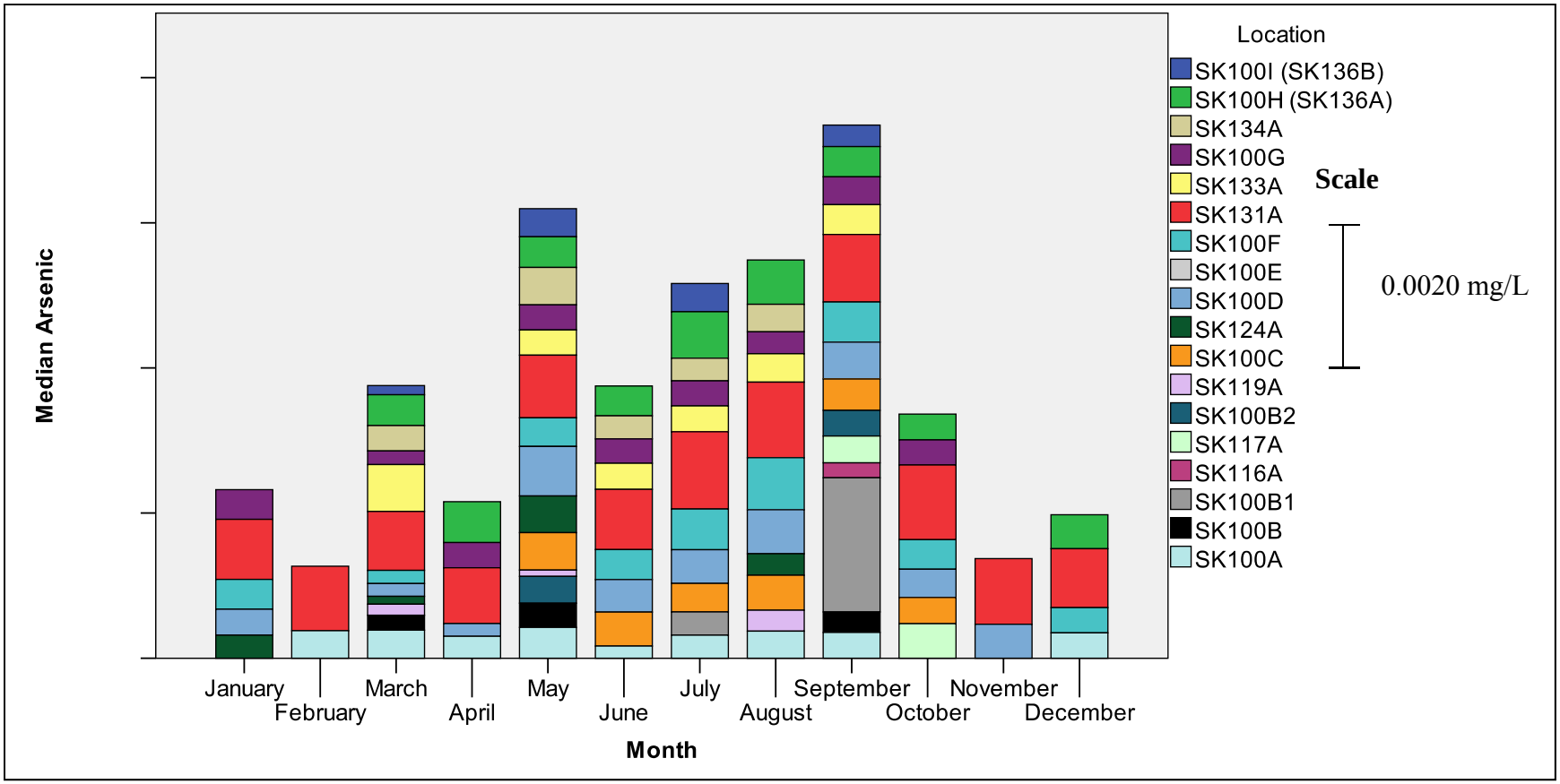


FIGURE 9.1-85
Arsenic Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00050 mg/L.

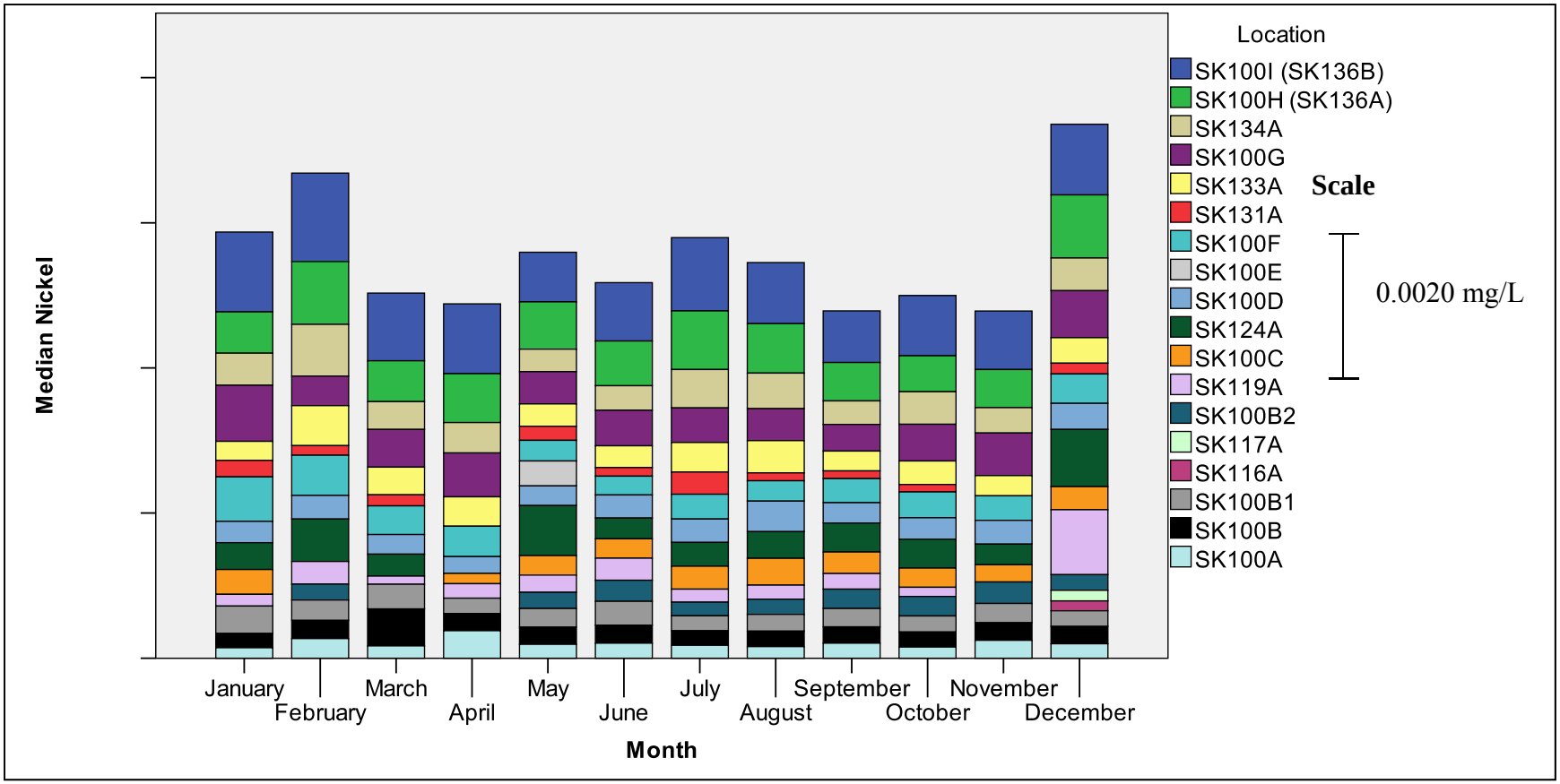


FIGURE 9.1-86
Nickel Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00020 mg/L.

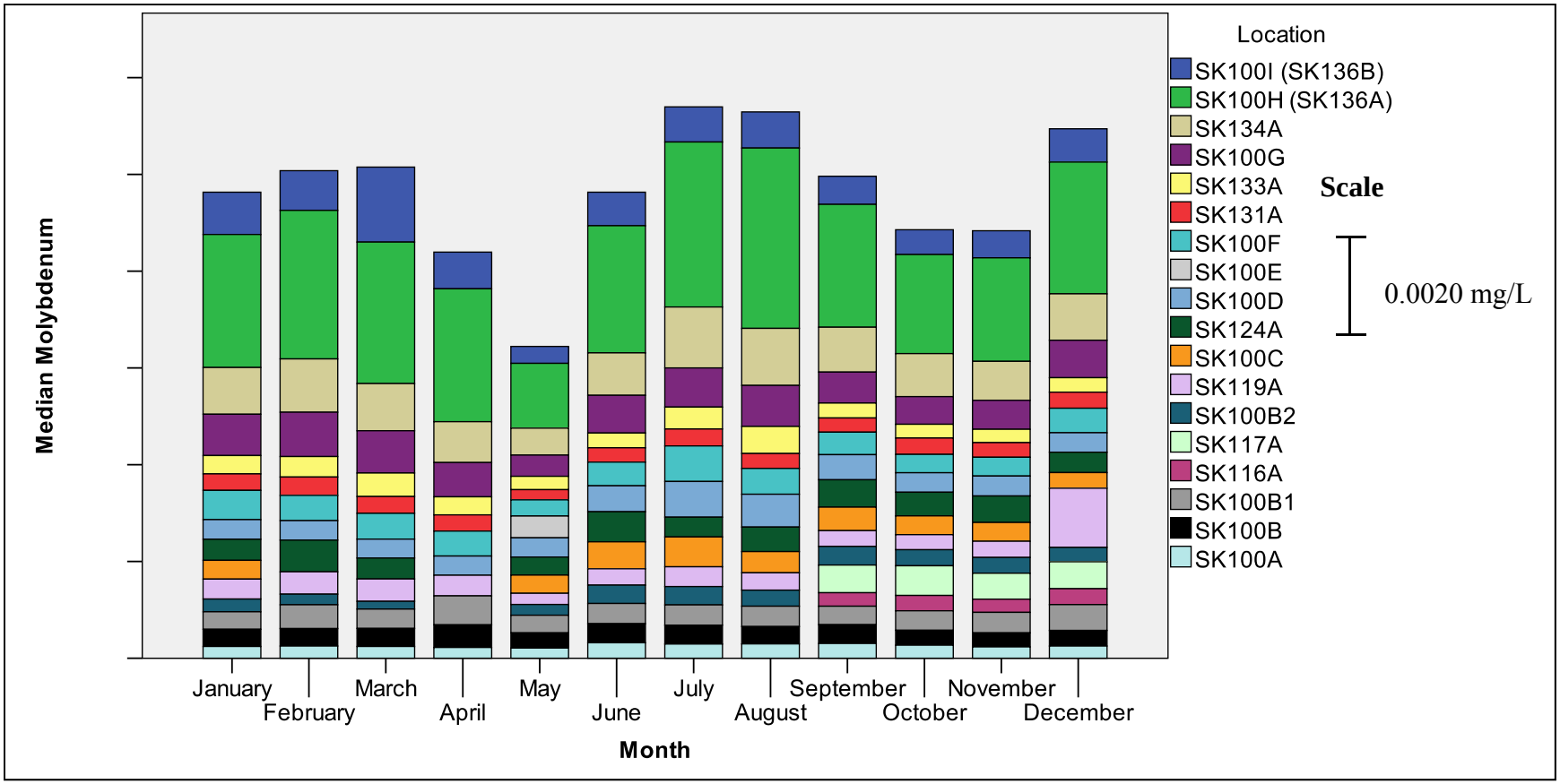


FIGURE 9.1-87
Molybdenum Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

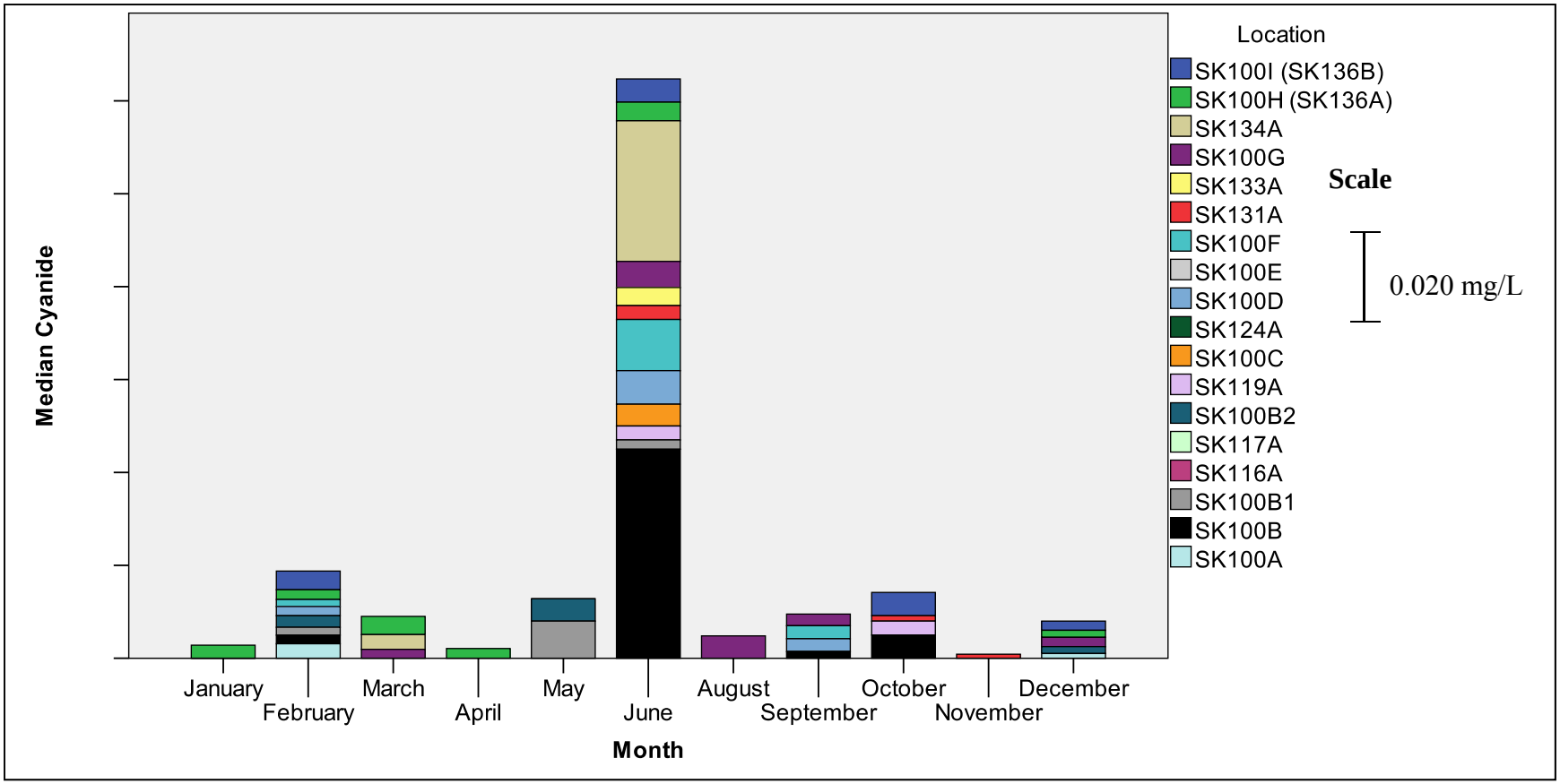


FIGURE 9.1-88
Total Cyanide Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0050 mg/L.

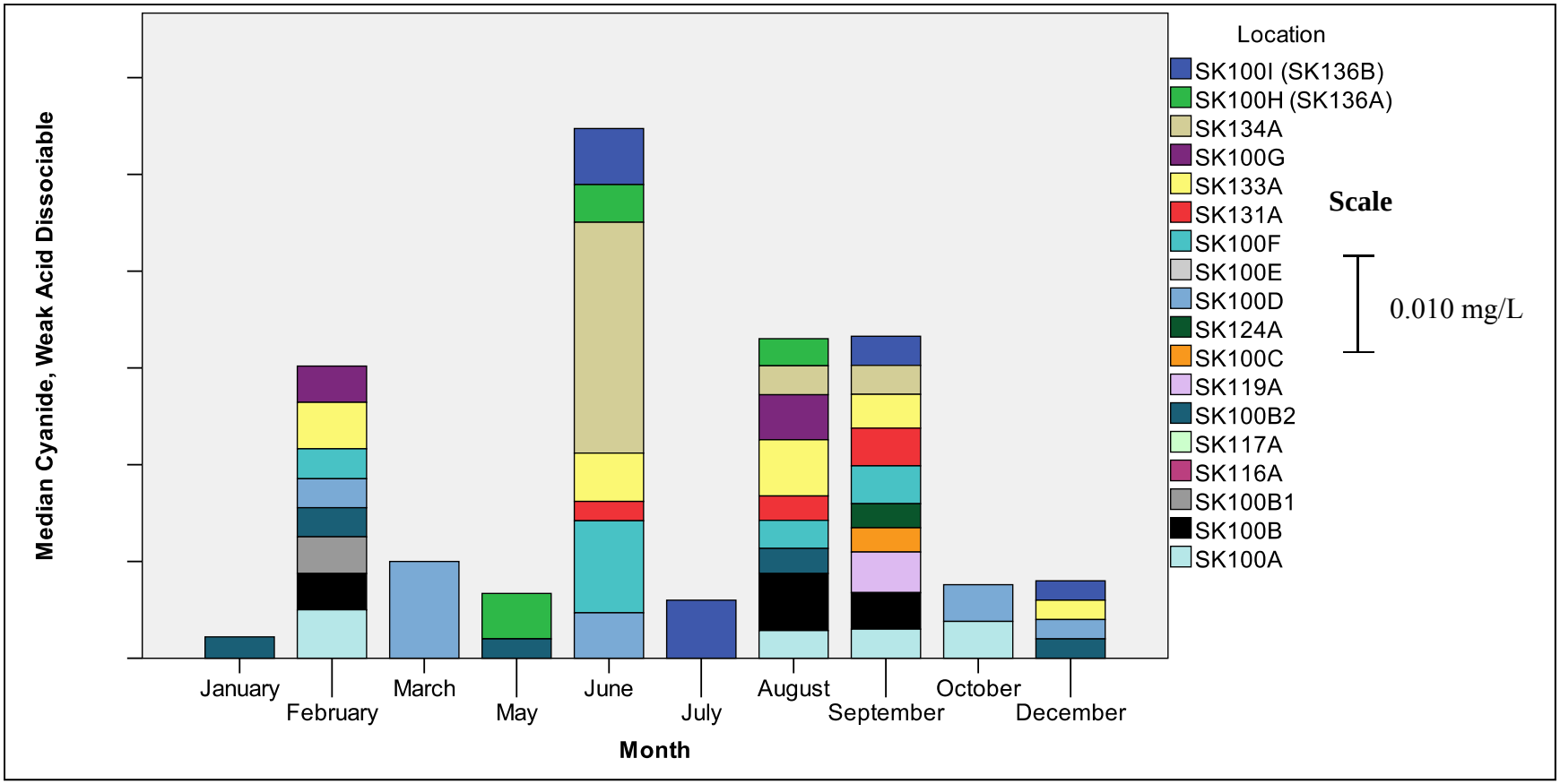


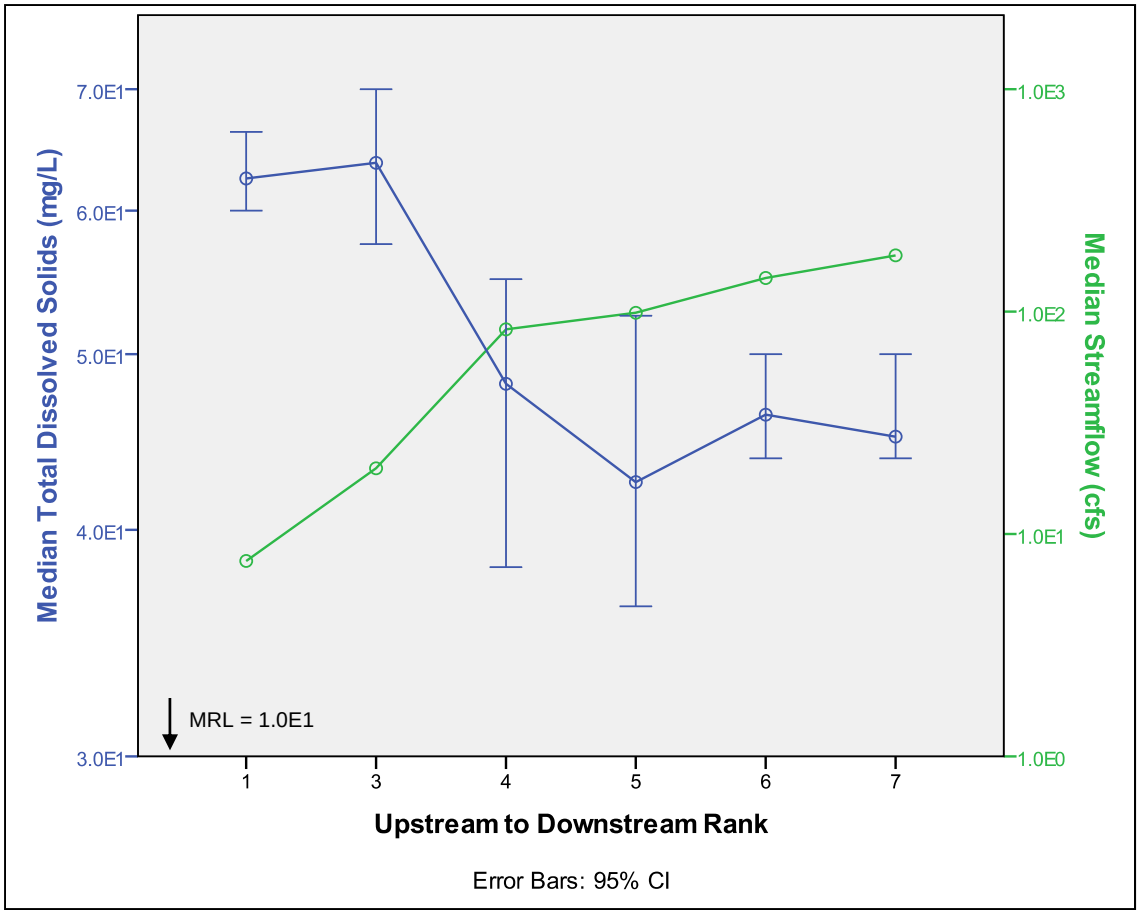
FIGURE 9.1-89
Cyanide, Weak Acid Dissociable (WAD) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0050 mg/L.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

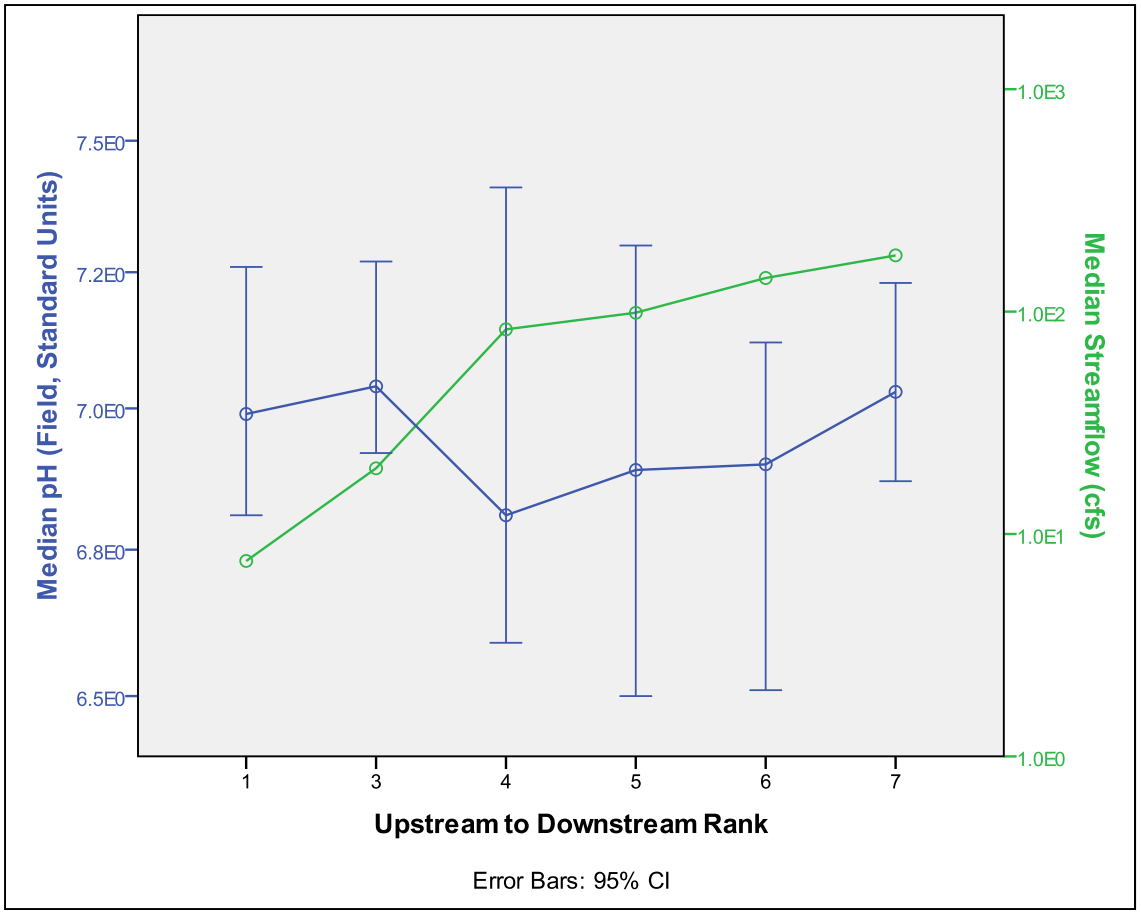
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-90
Total Dissolved Solids Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

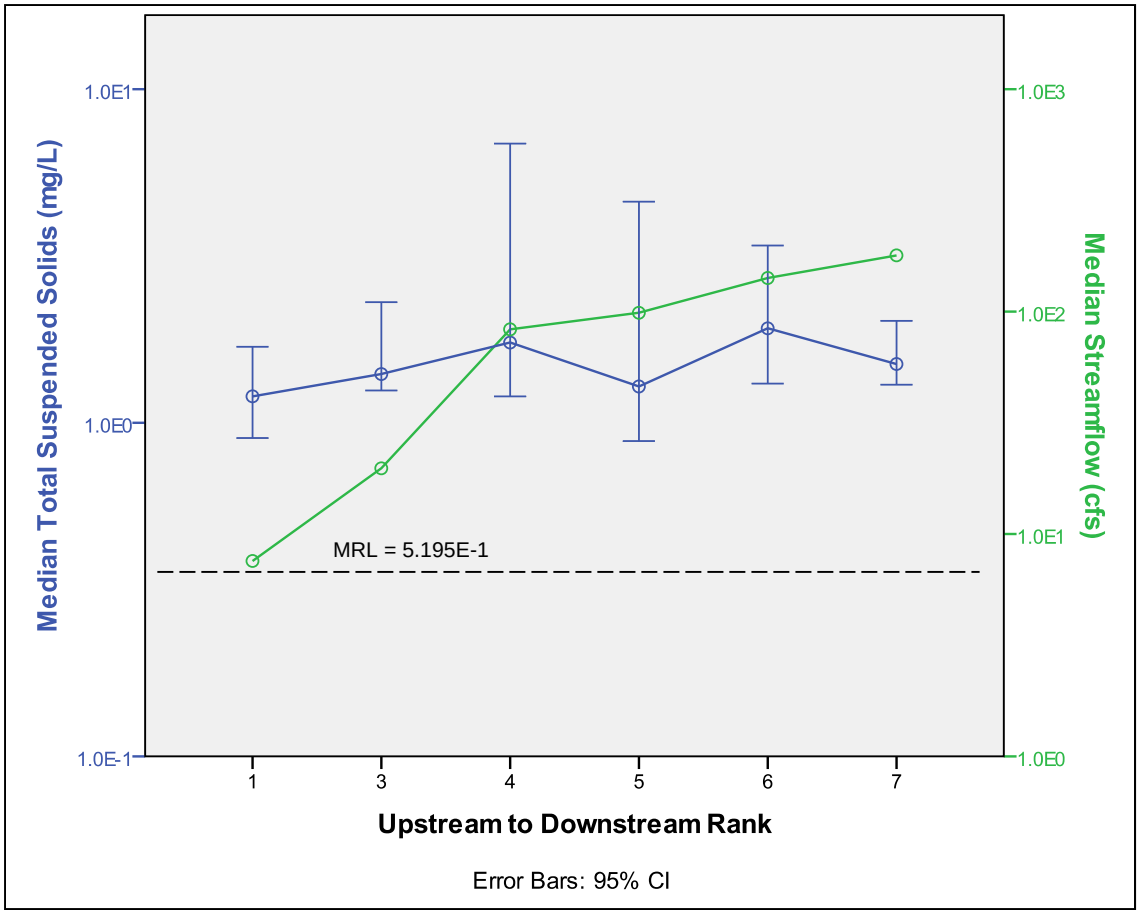
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-91
pH (Field) in Surface Water and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

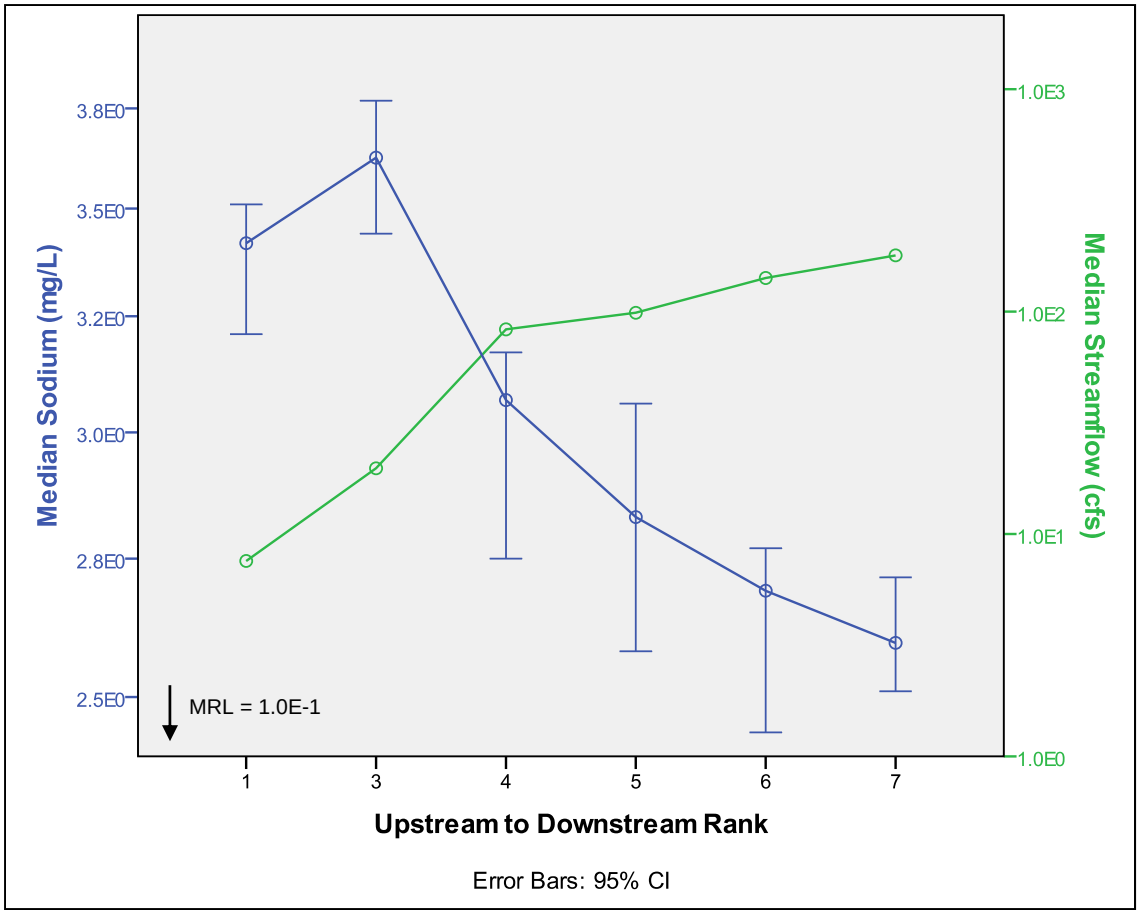
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-92
Total Suspended Solids Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

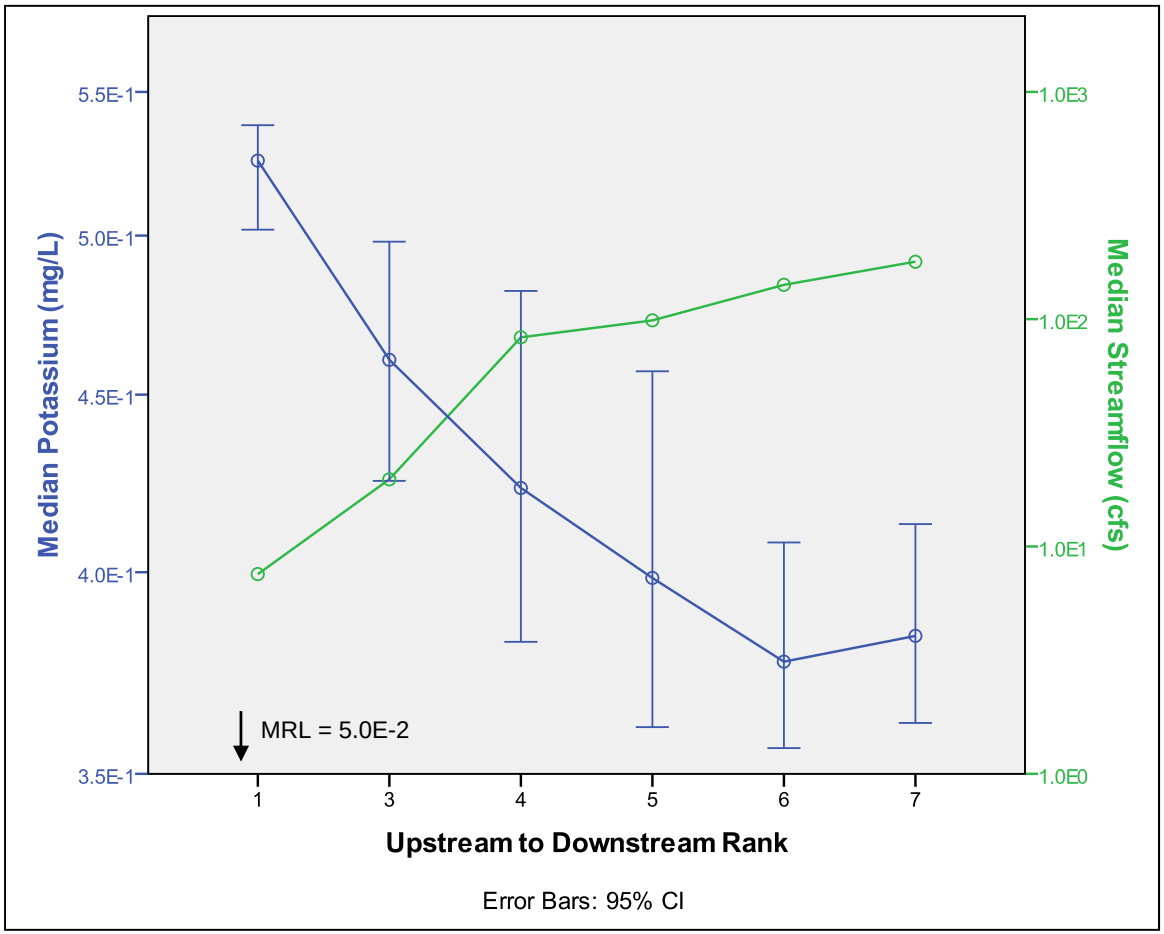
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-93
Sodium (Total) Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

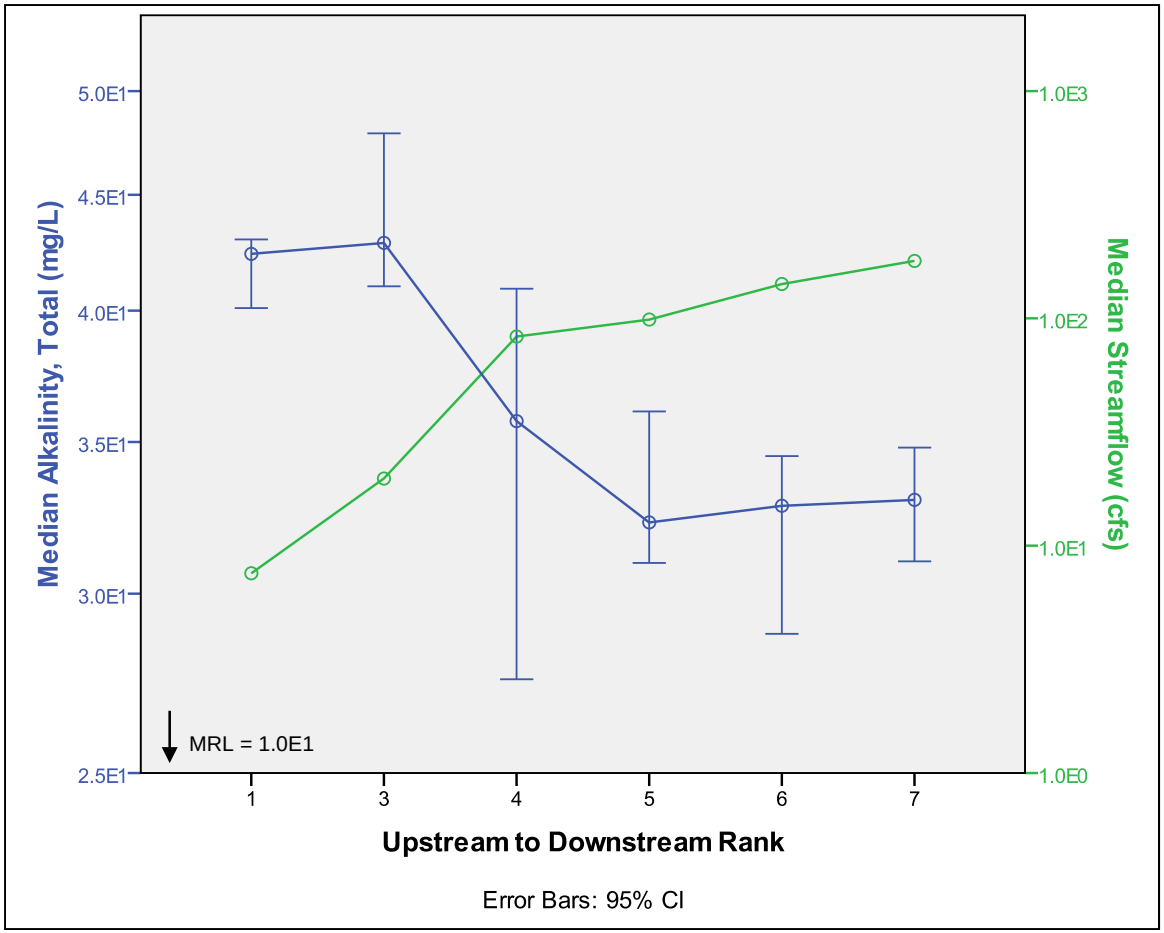
FIGURE 9.1-94
Potassium Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

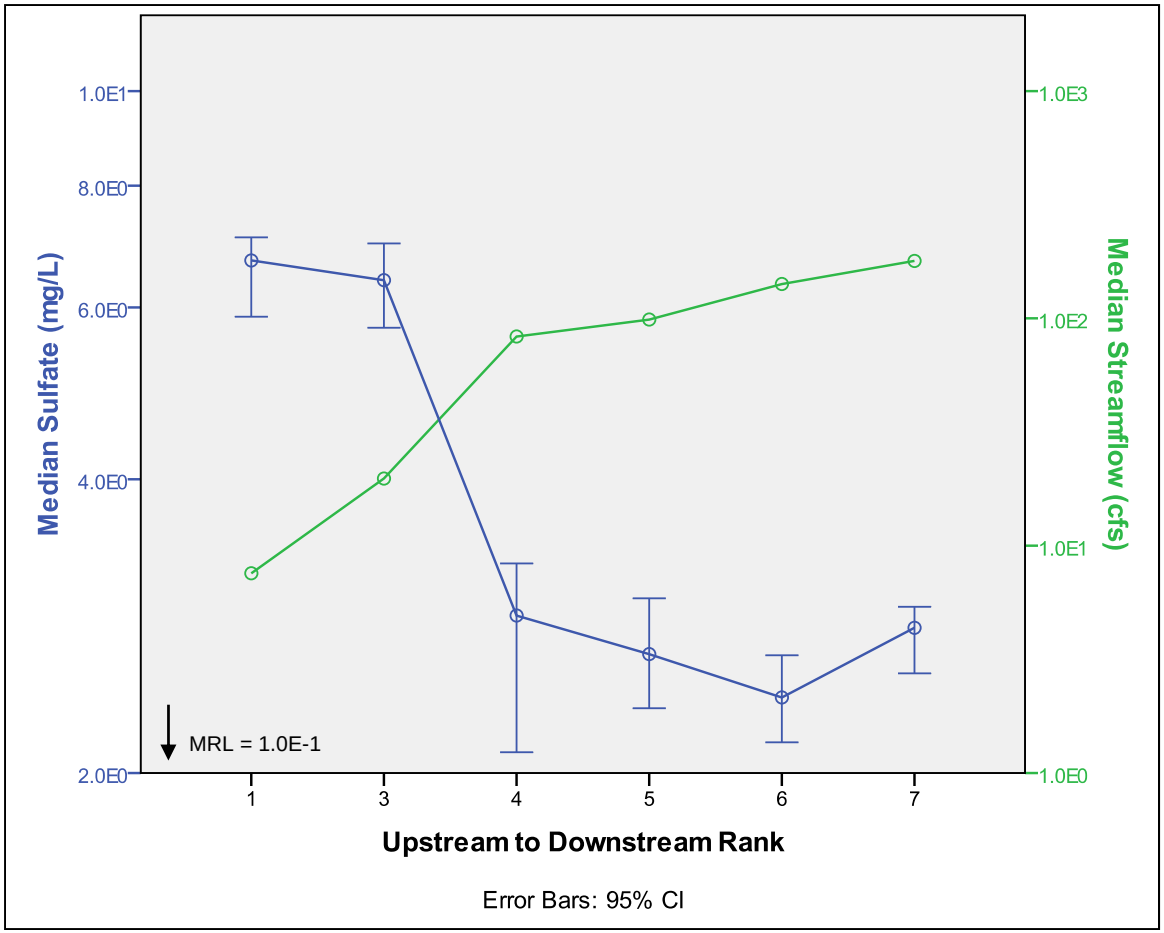
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-95
Alkalinity (Total) Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

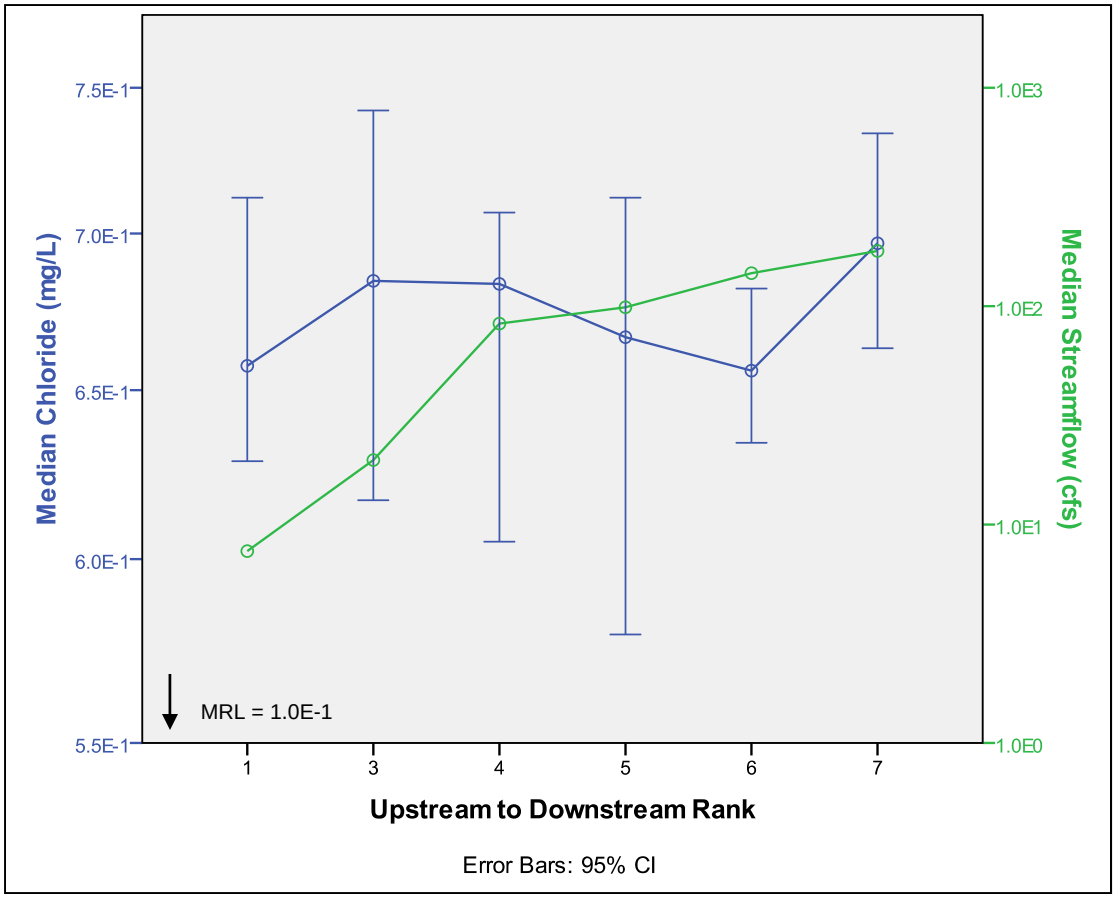
FIGURE 9.1-96
Sulfate Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

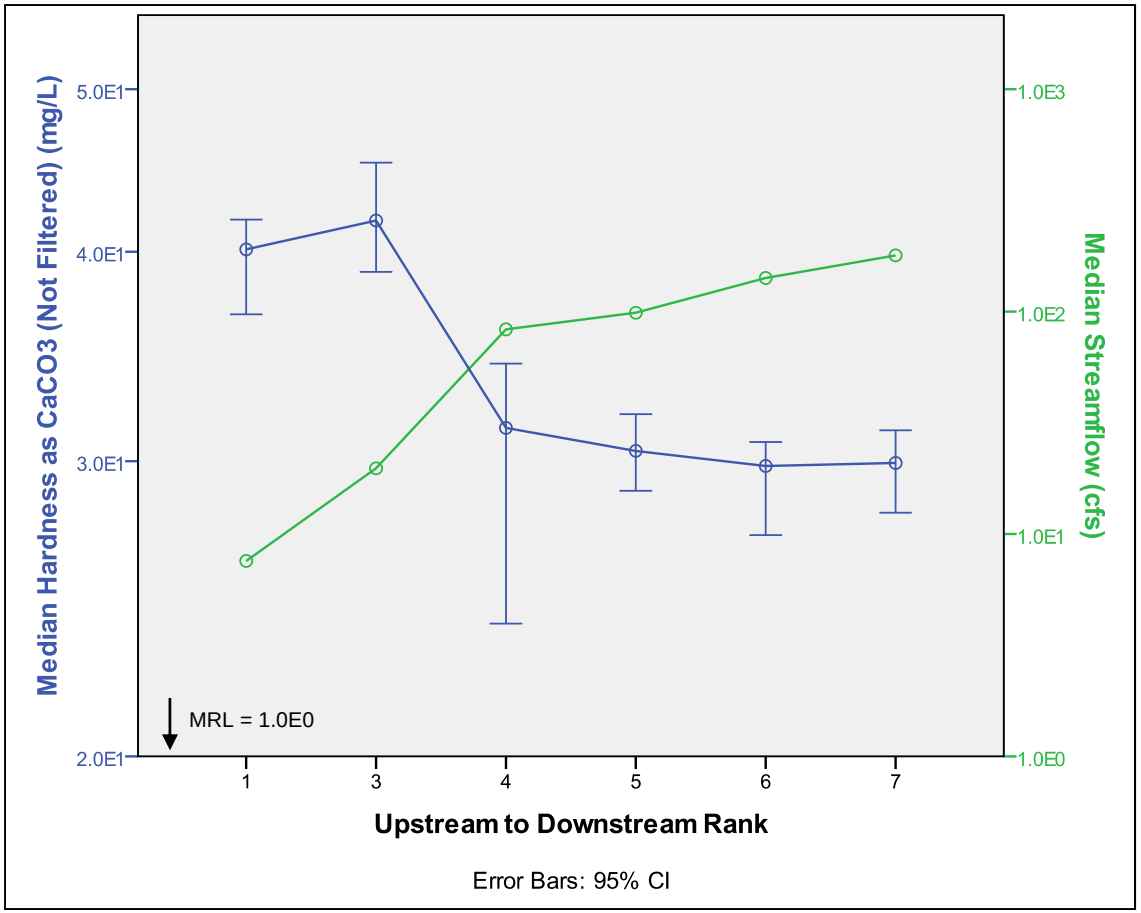
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-97
Chloride Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

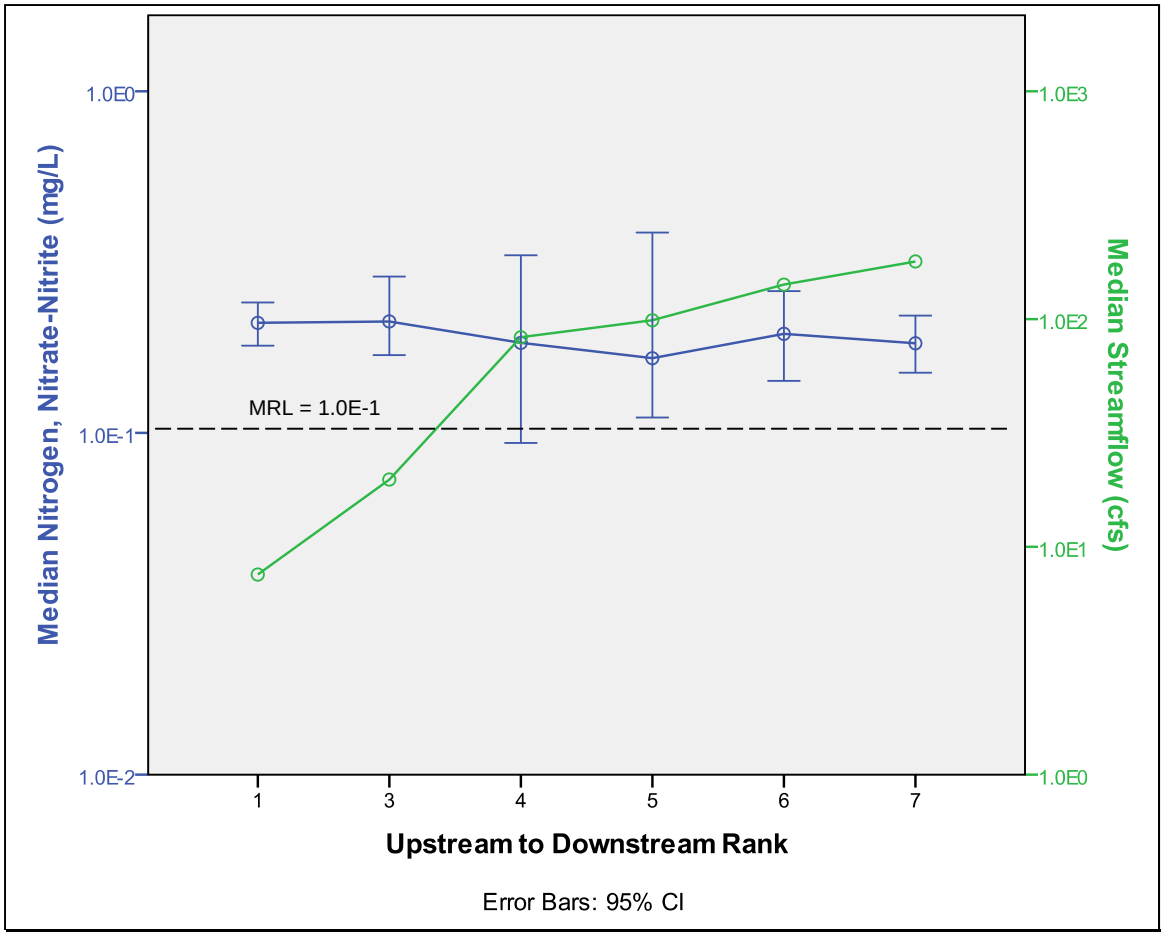
FIGURE 9.1-98
Hardness as $CaCO_3$ (Not Filtered) Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

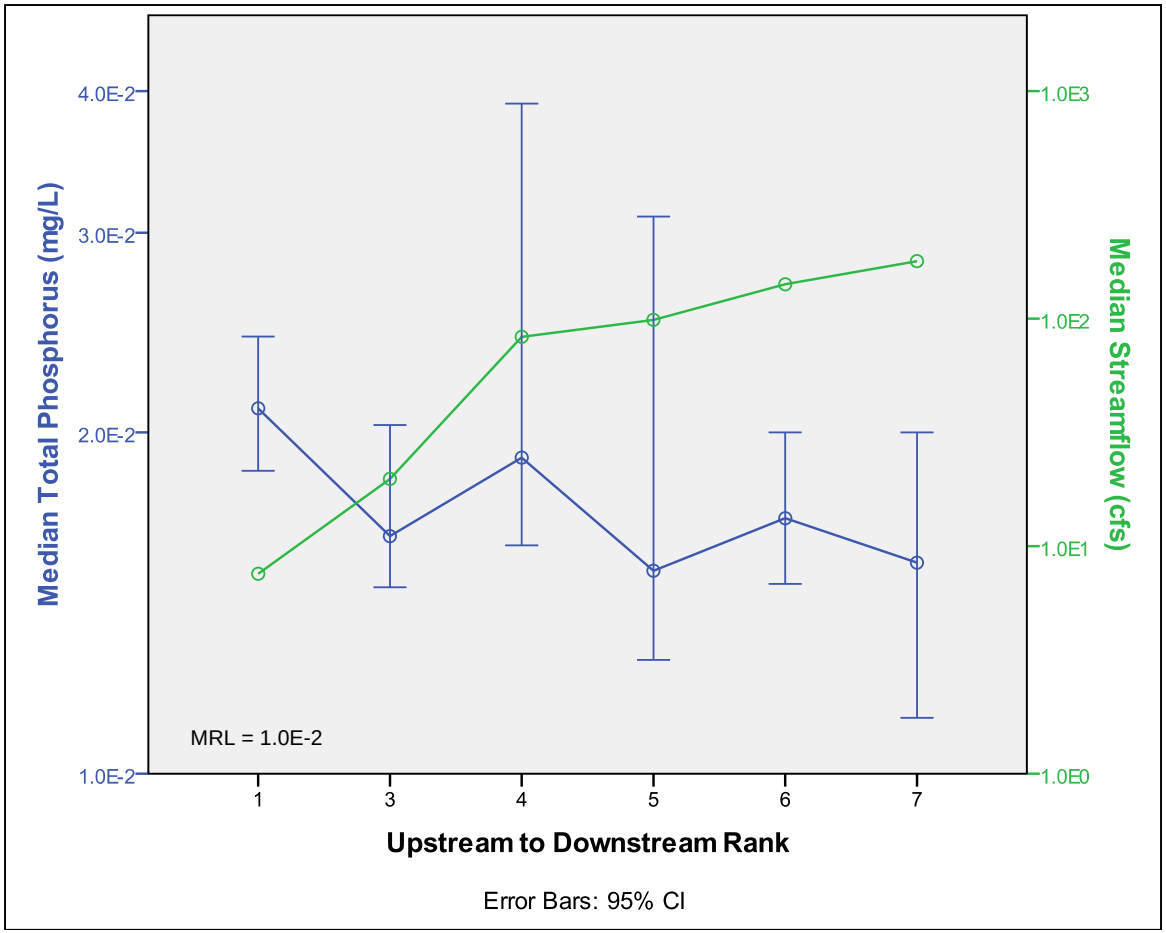
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-99
Total Nitrate+Nitrite (as N) Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

c. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

d. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

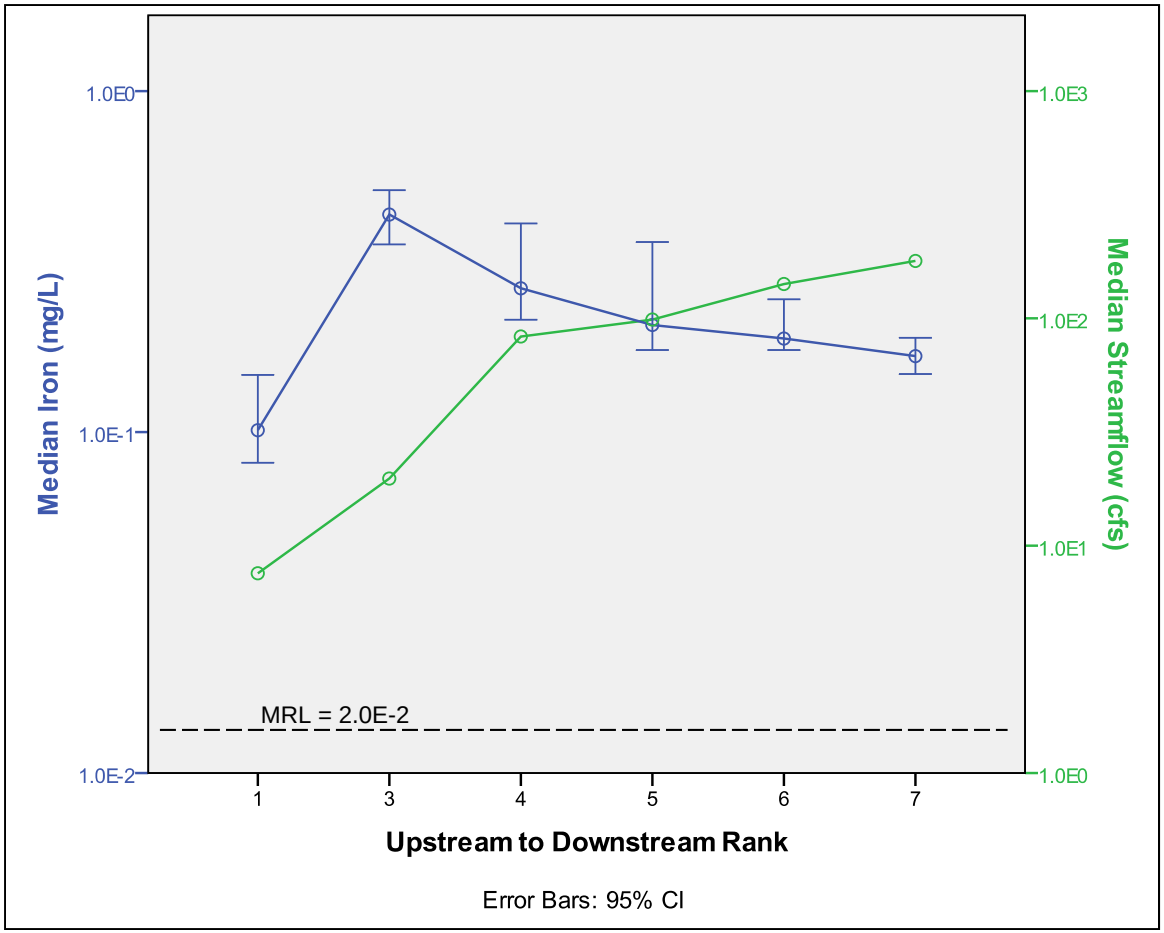
FIGURE 9.1-100
Total Phosphorus Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

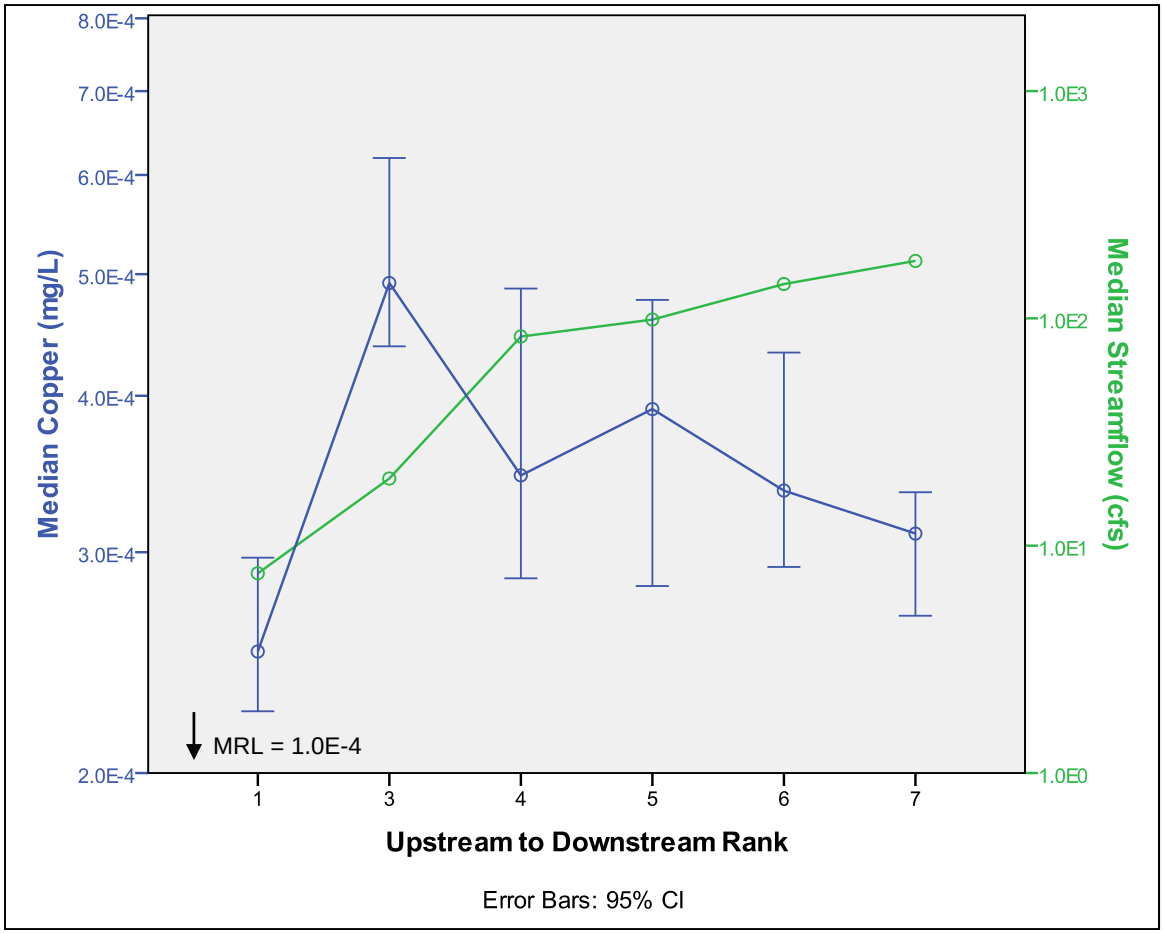
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-101
Iron Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

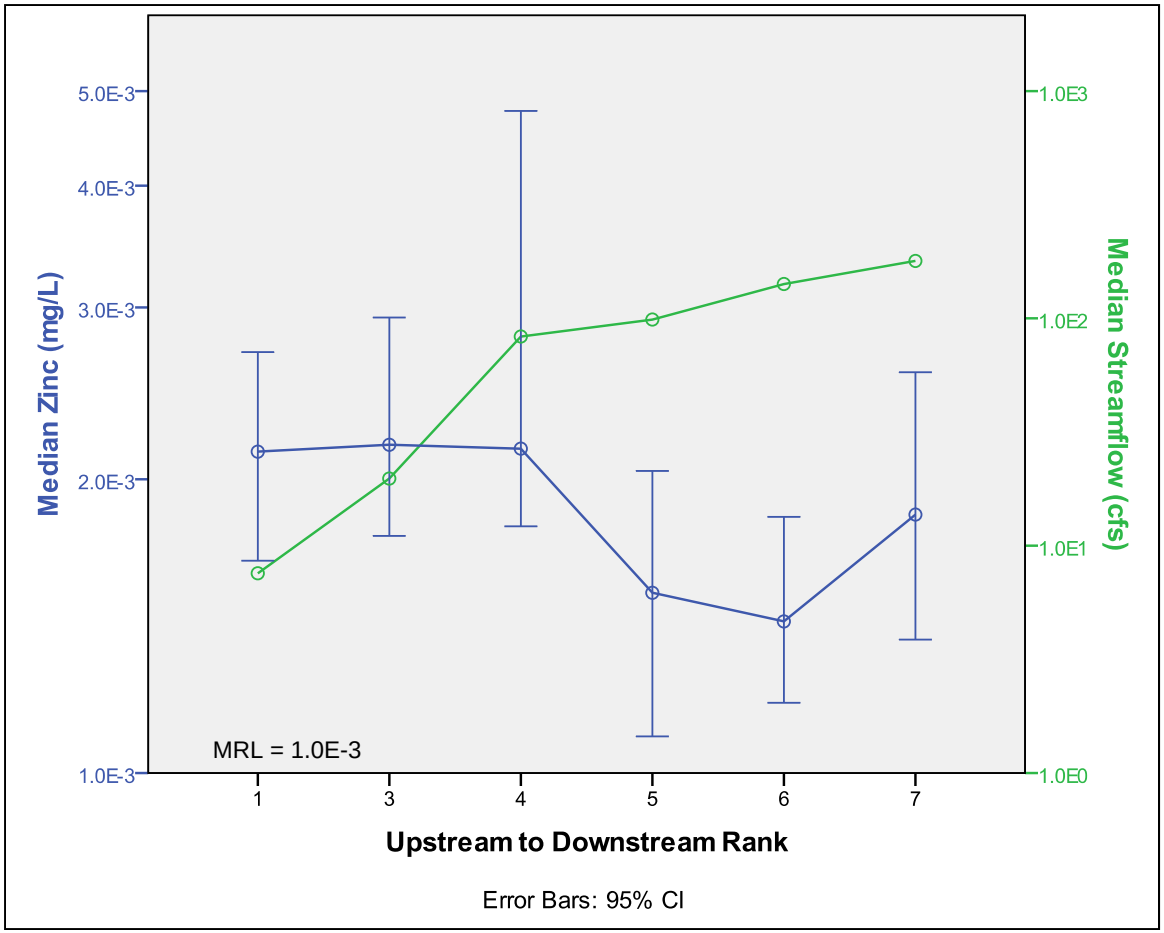
FIGURE 9.1-102
Copper Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

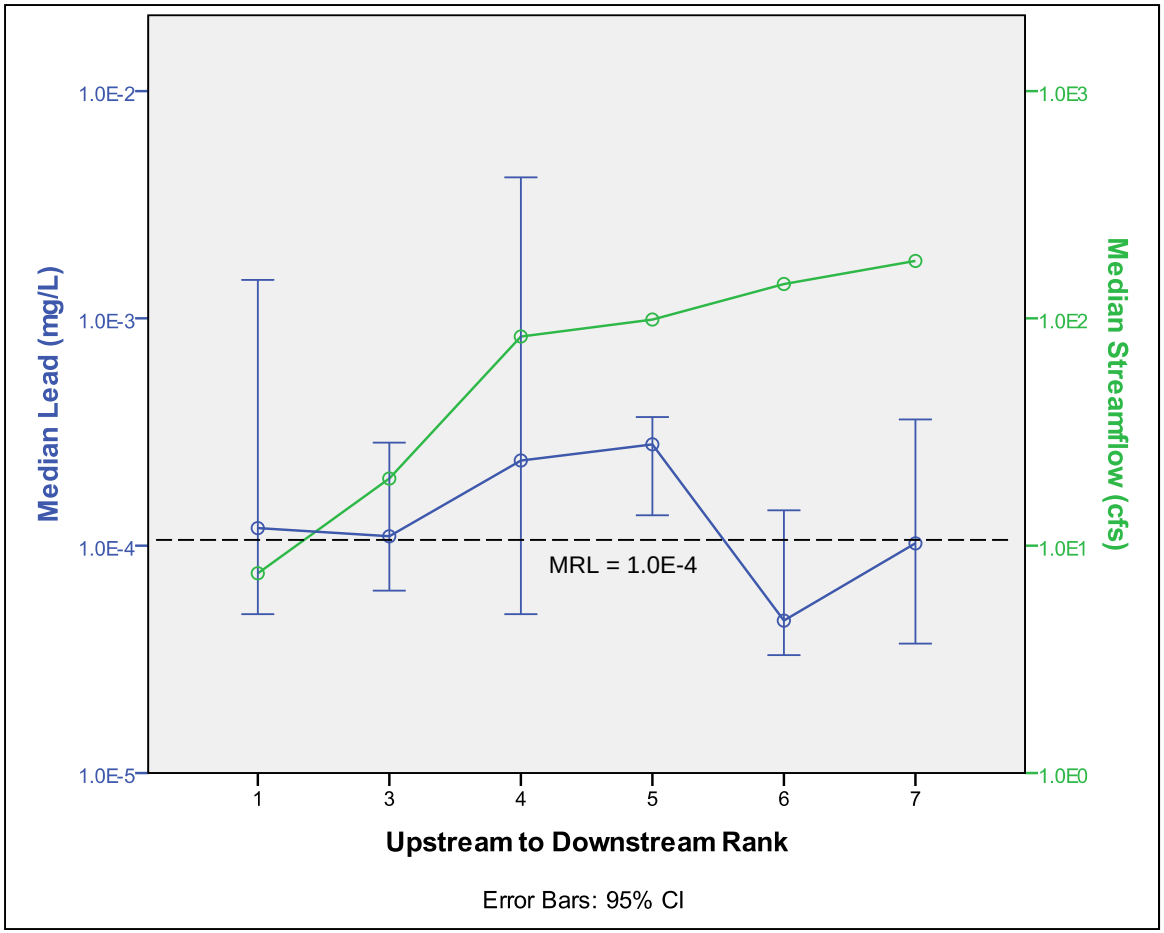
Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-103
Zinc Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

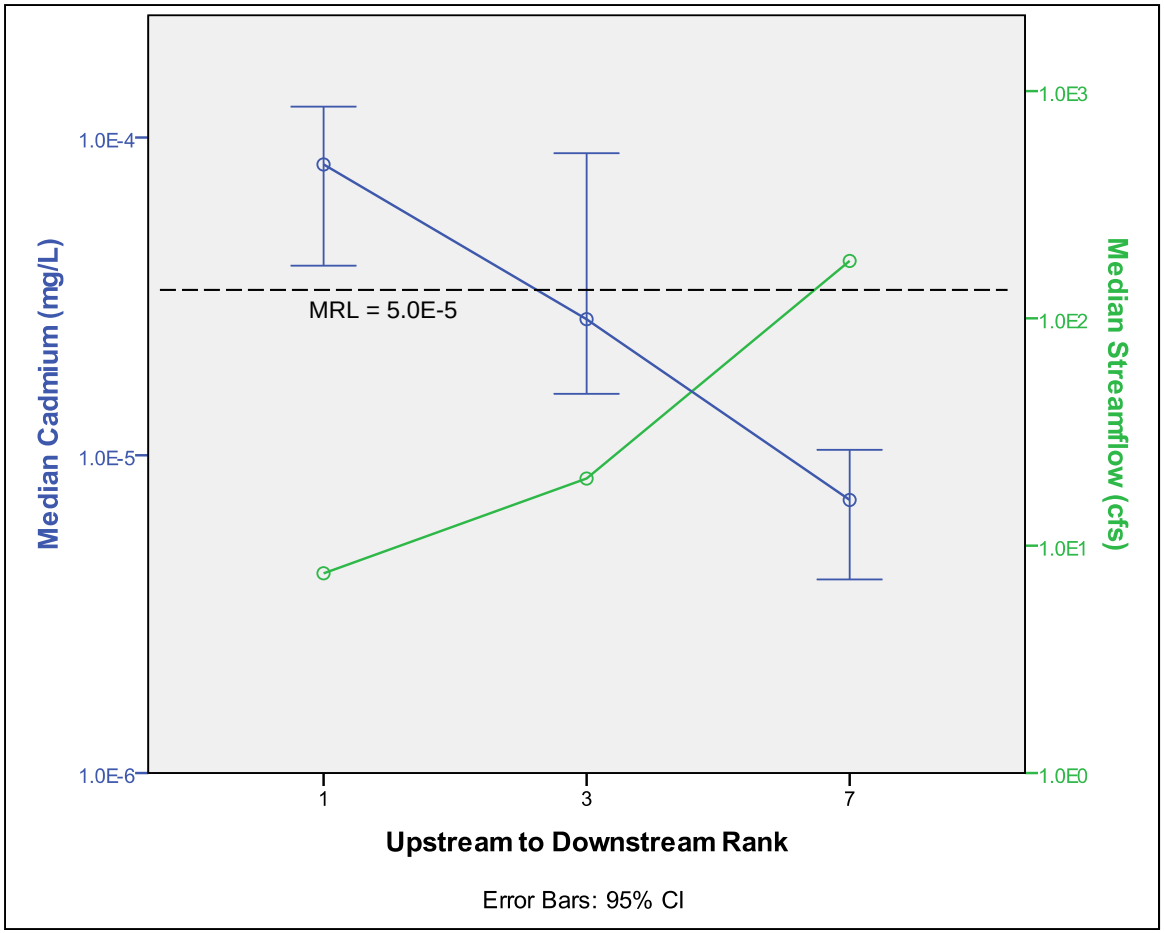
FIGURE 9.1-104
Lead Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Cadmium was not detected at locations 4 (UT 100C2), 5 (UT 100C1), or 6 (UT 100C). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

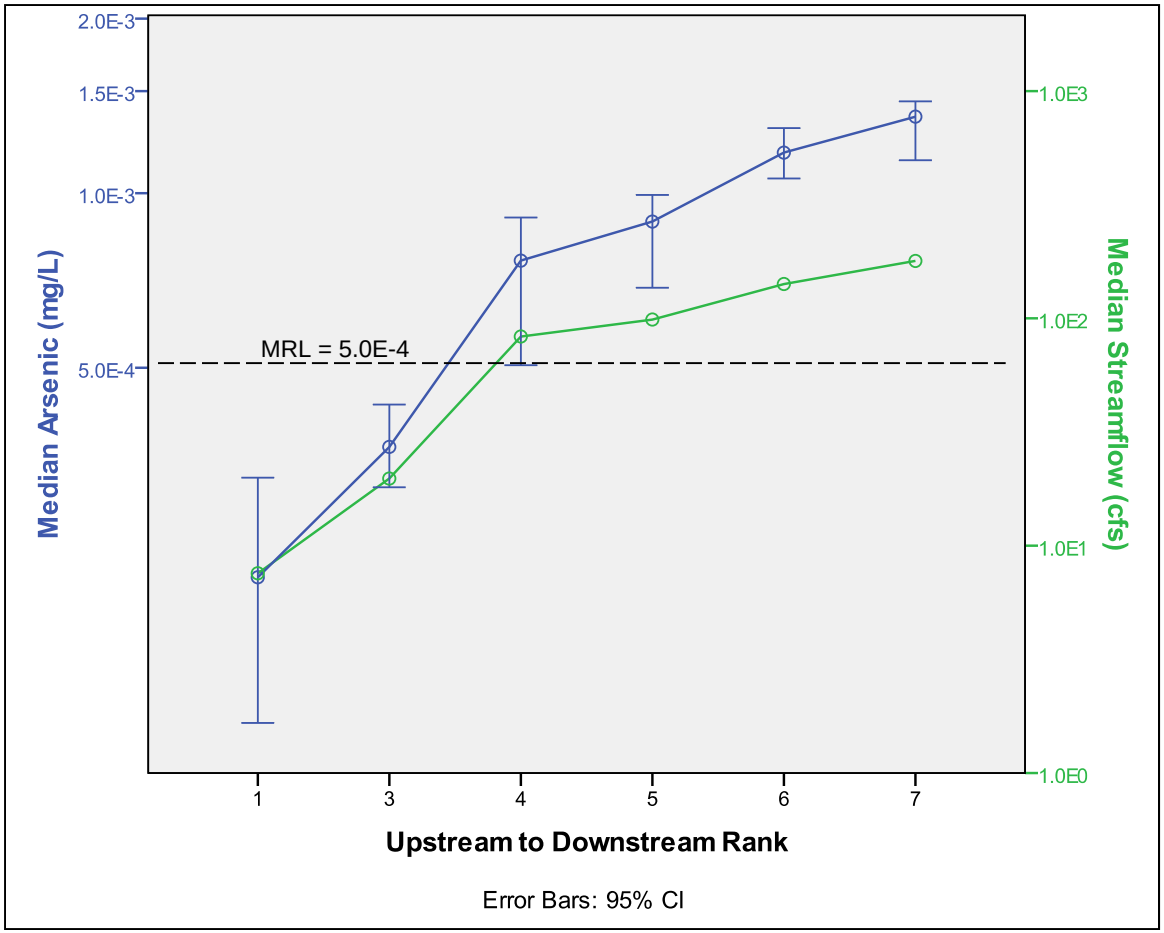
FIGURE 9.1-105
Cadmium Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

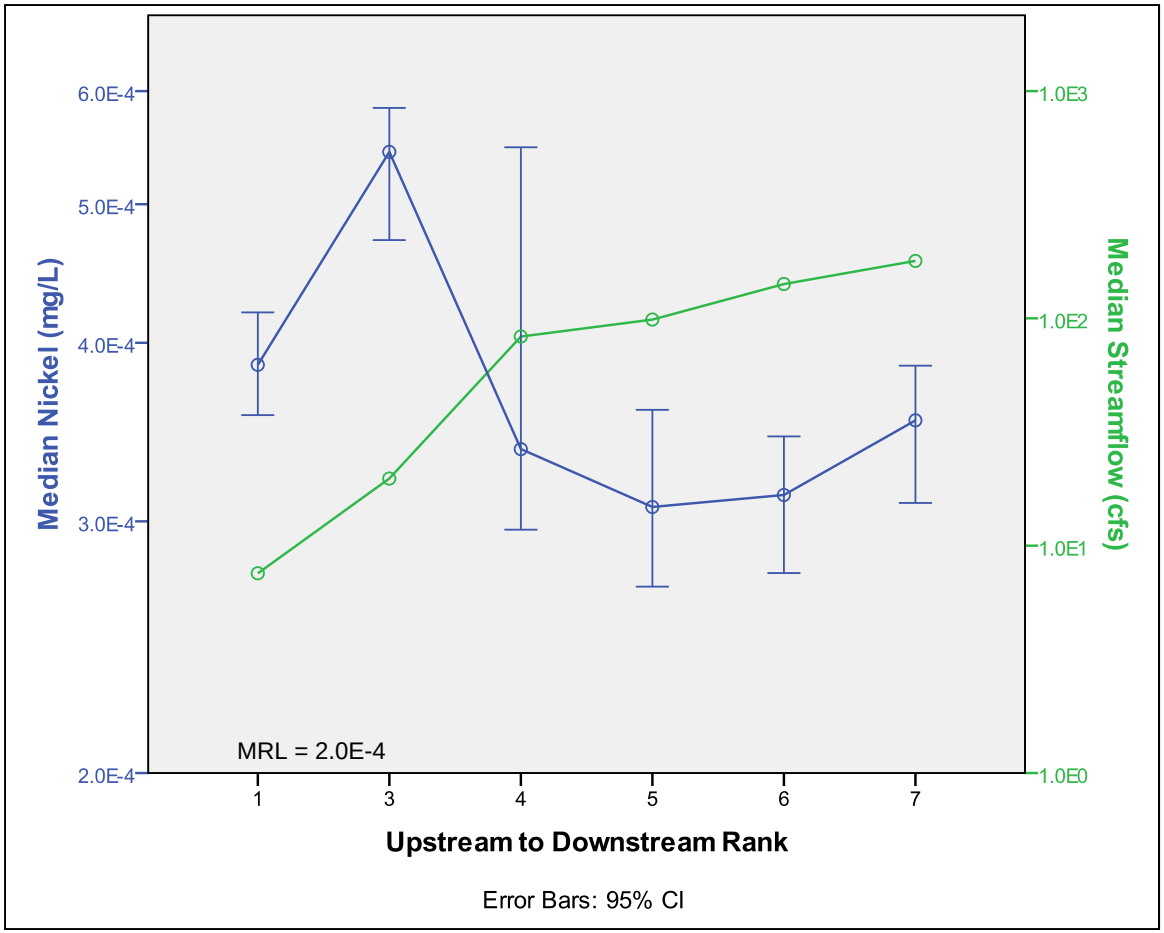
FIGURE 9.1-106
Arsenic Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

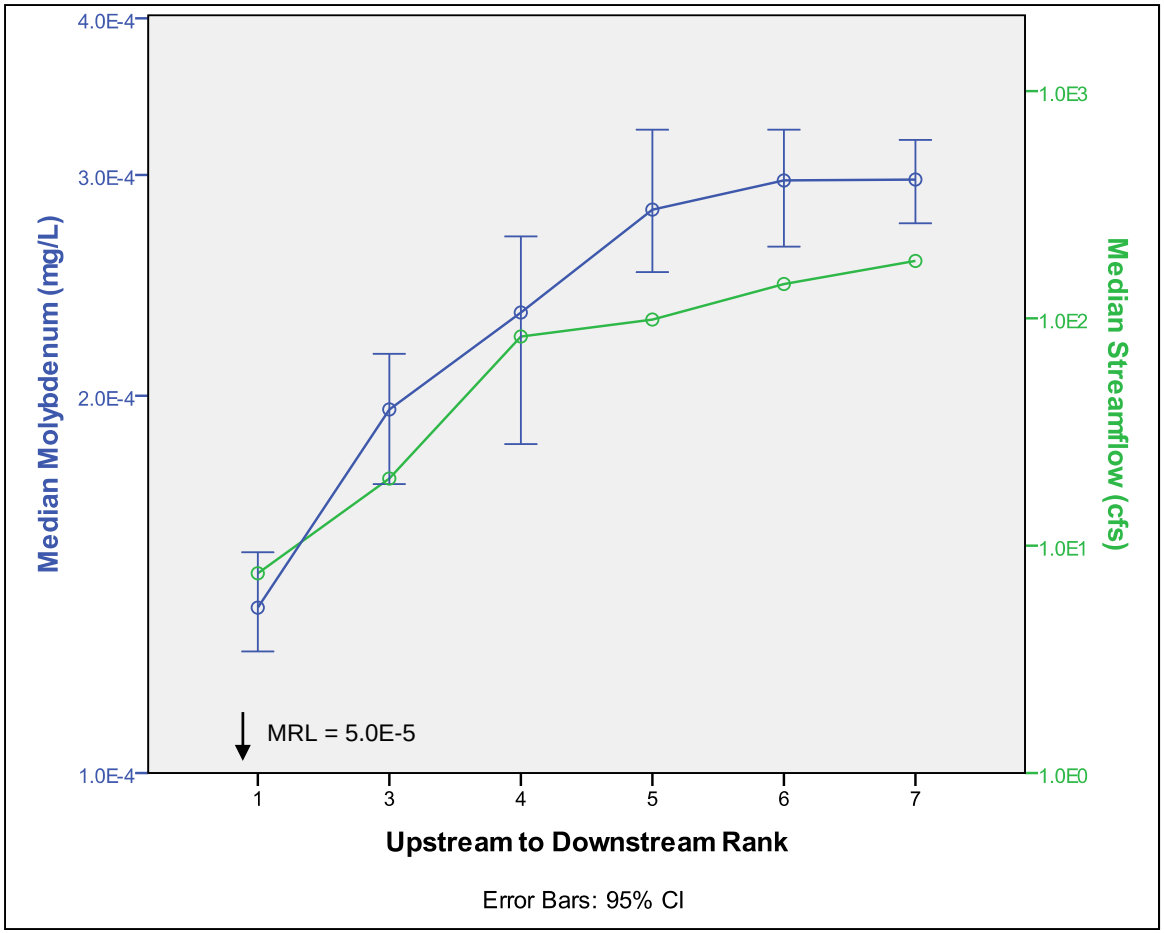
FIGURE 9.1-107
Nickel Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:

Median analyte and streamflow concentrations are presented in log scale.

X-axis shows sample locations from upstream to downstream.

cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations with available streamflow data are shown. Only detected values are shown. Streamflow data were not available for locations 2 (UT 100D1) and 8 (UT 100A). Analytical data not presented in the absence of streamflow information.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

FIGURE 9.1-108
Molybdenum Surface Water Concentrations and Streamflow in Upper Talarik Creek Drainage

Notes:
Median analyte and streamflow concentrations are presented in log scale.
X-axis shows sample locations from upstream to downstream.
cfs = cubic feet per second. CI = confidence interval. mg/L = milligrams per liter. MRL = method reporting limit.

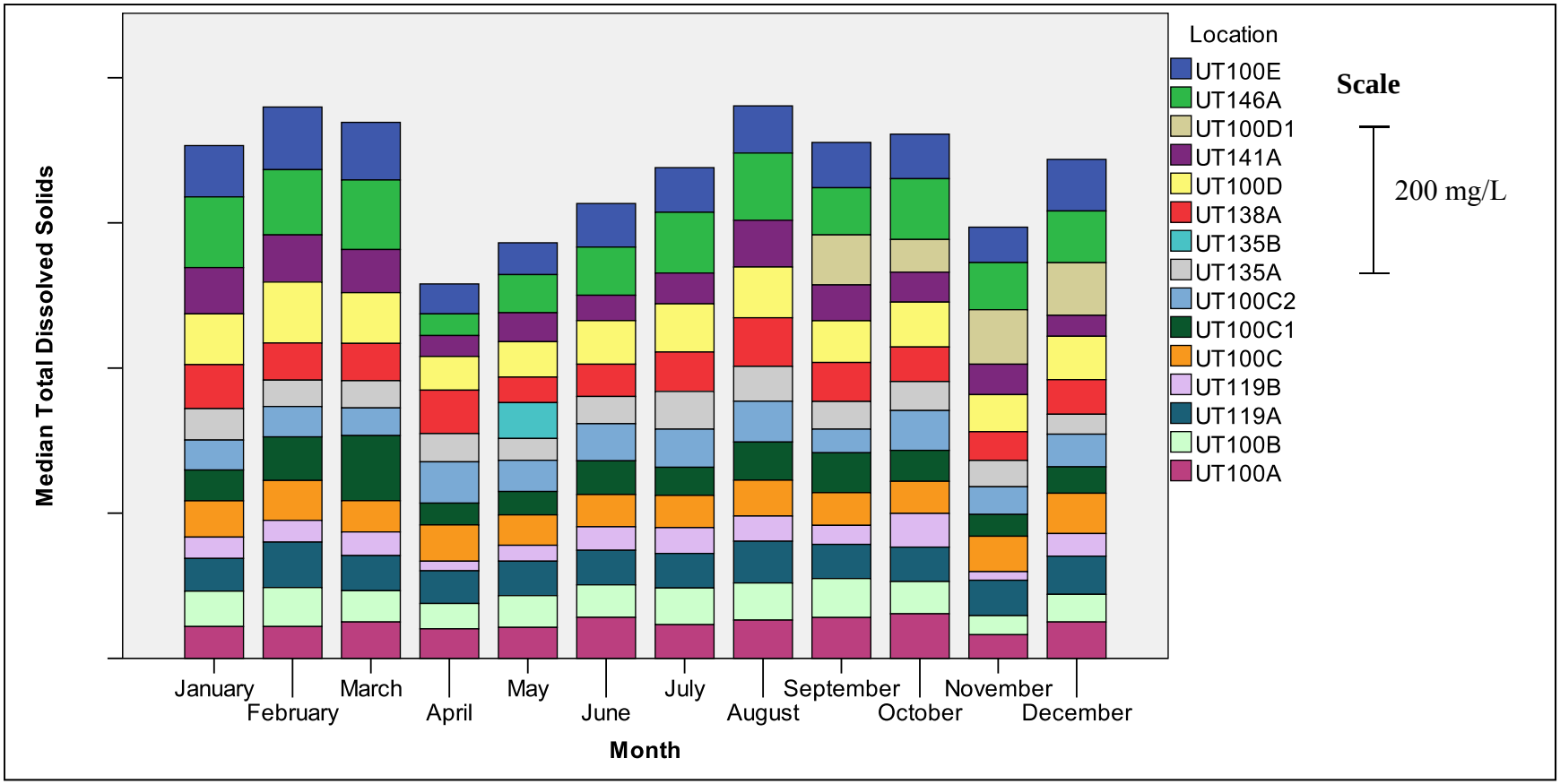


FIGURE 9.1-109
Total Dissolved Solids Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

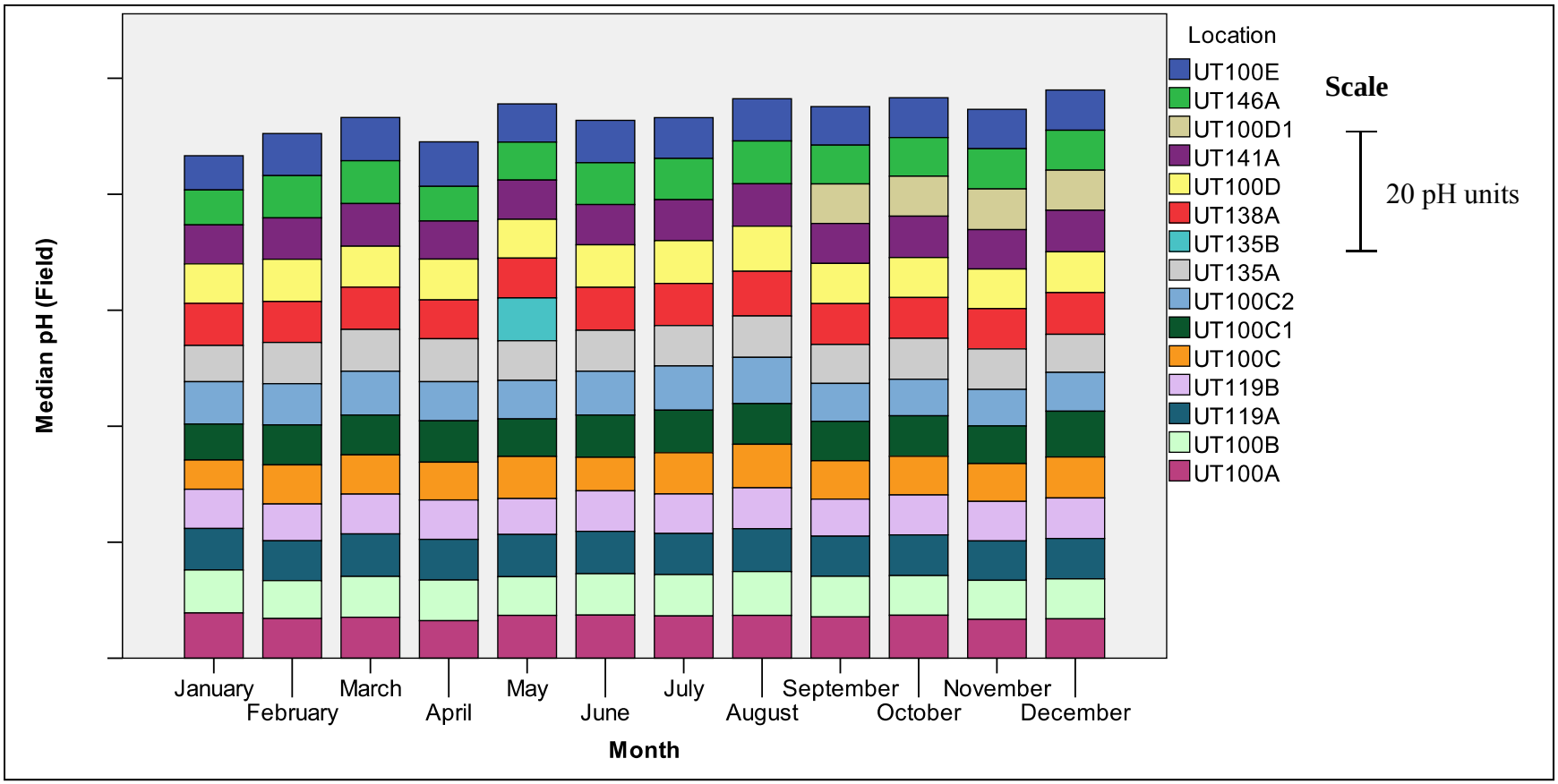


FIGURE 9.1-110
pH (Field) Surface Water Samples: Comparative Distribution of Mean Concentrations Water by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in standard pH units.

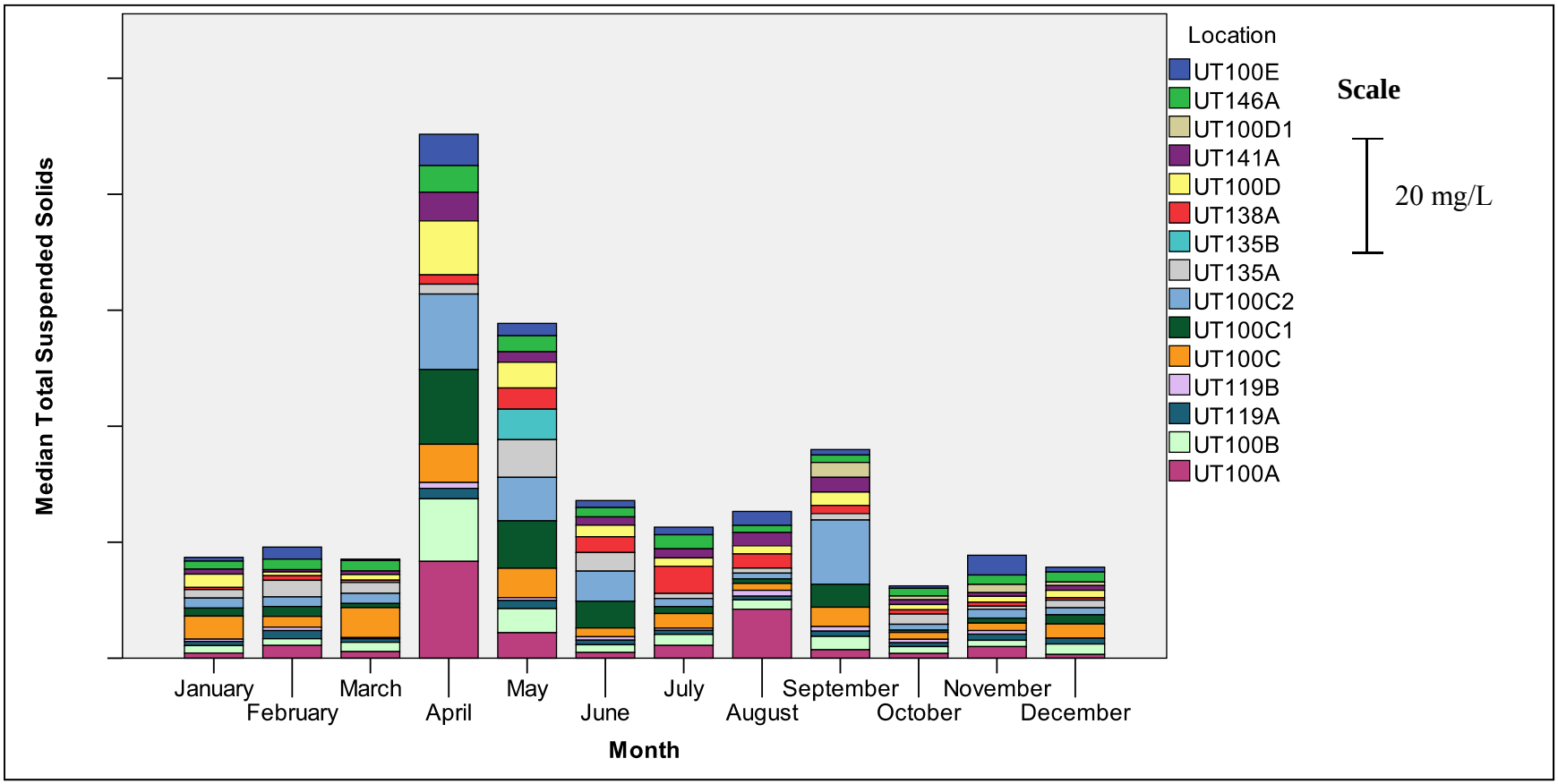


FIGURE 9.1-111
Total Suspended Solids Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.5195 mg/L.

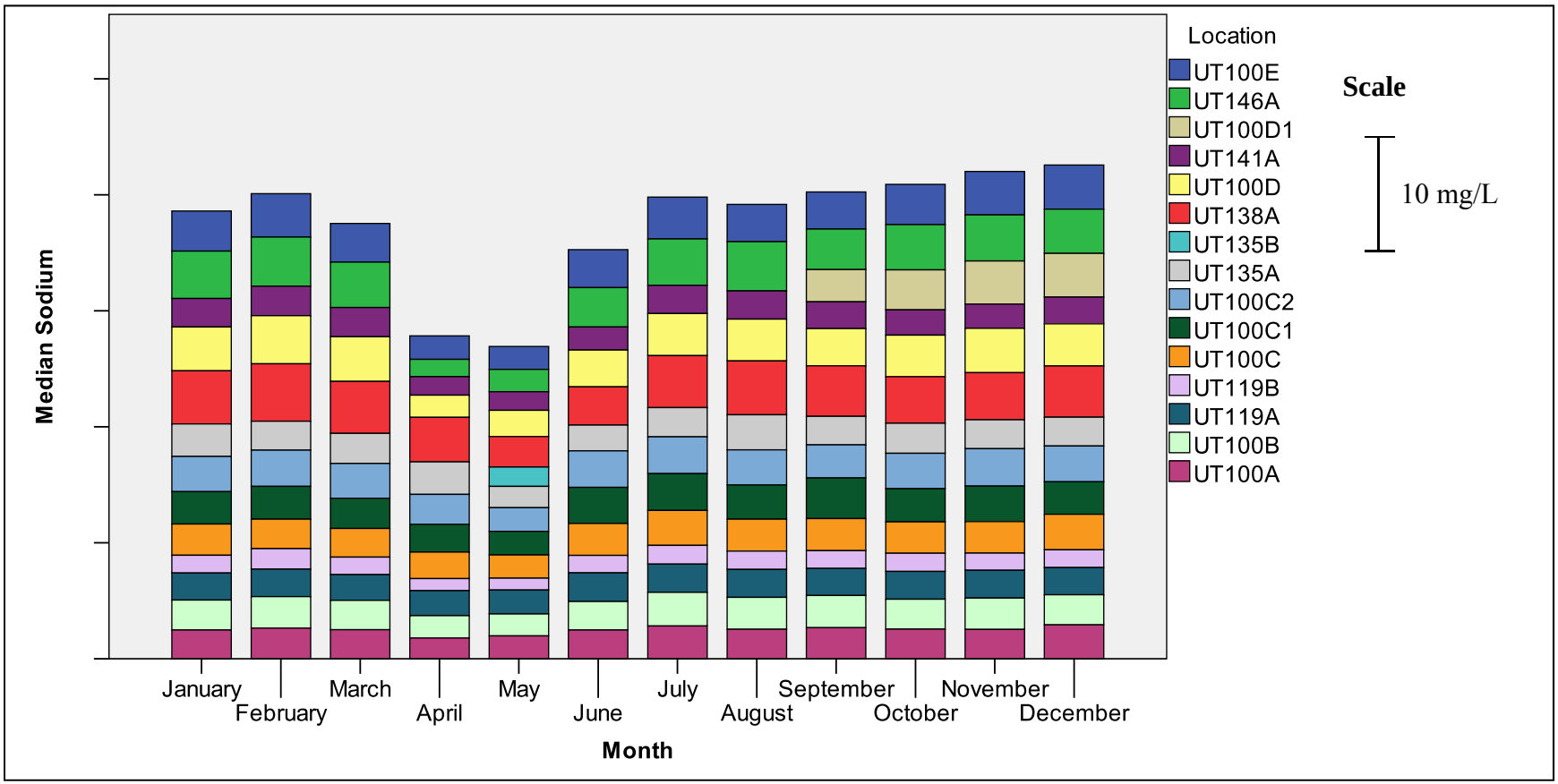


FIGURE 9.1-112
Sodium (Total) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

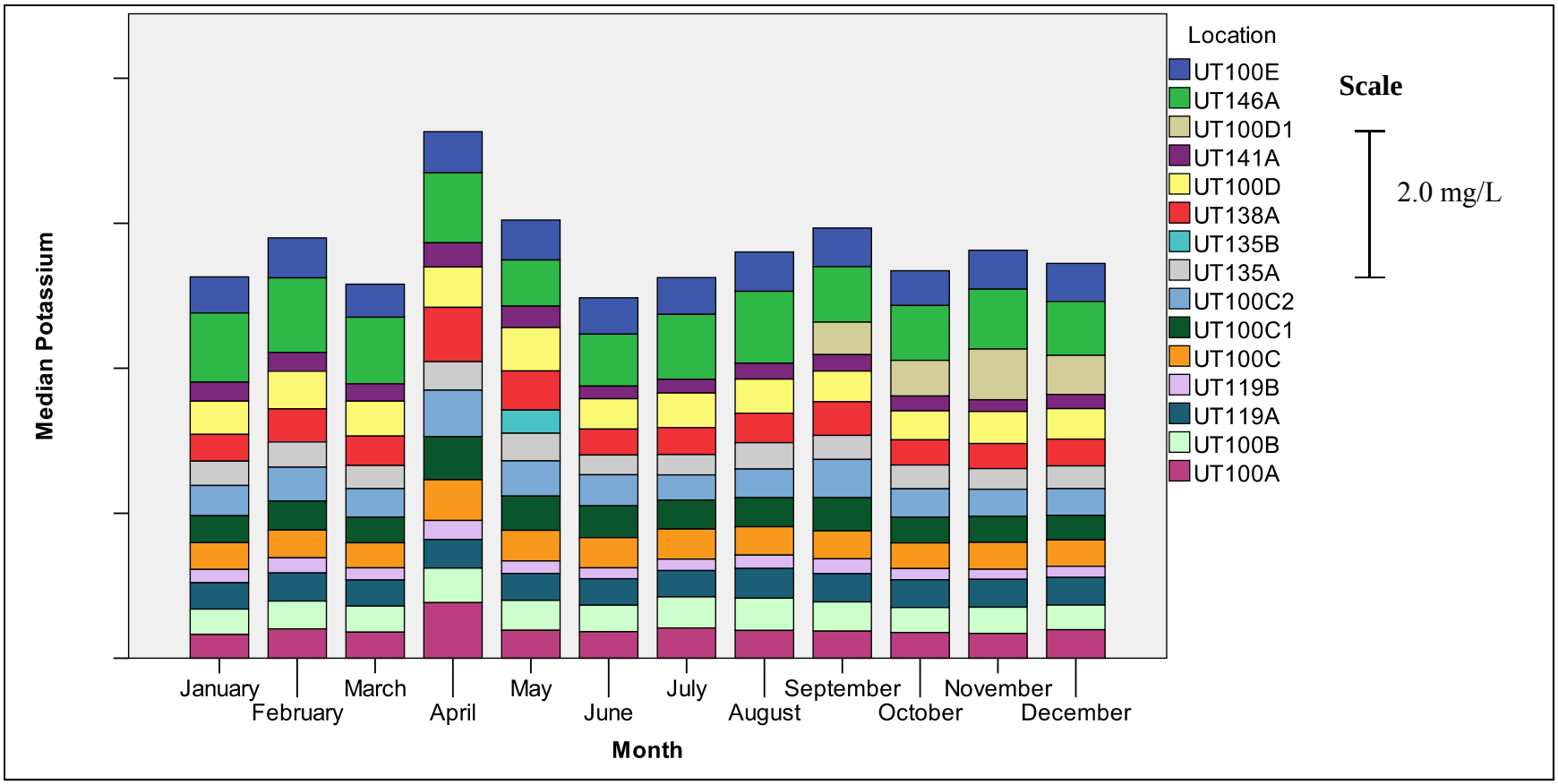


FIGURE 9.1-113
Potassium Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.050 mg/L.

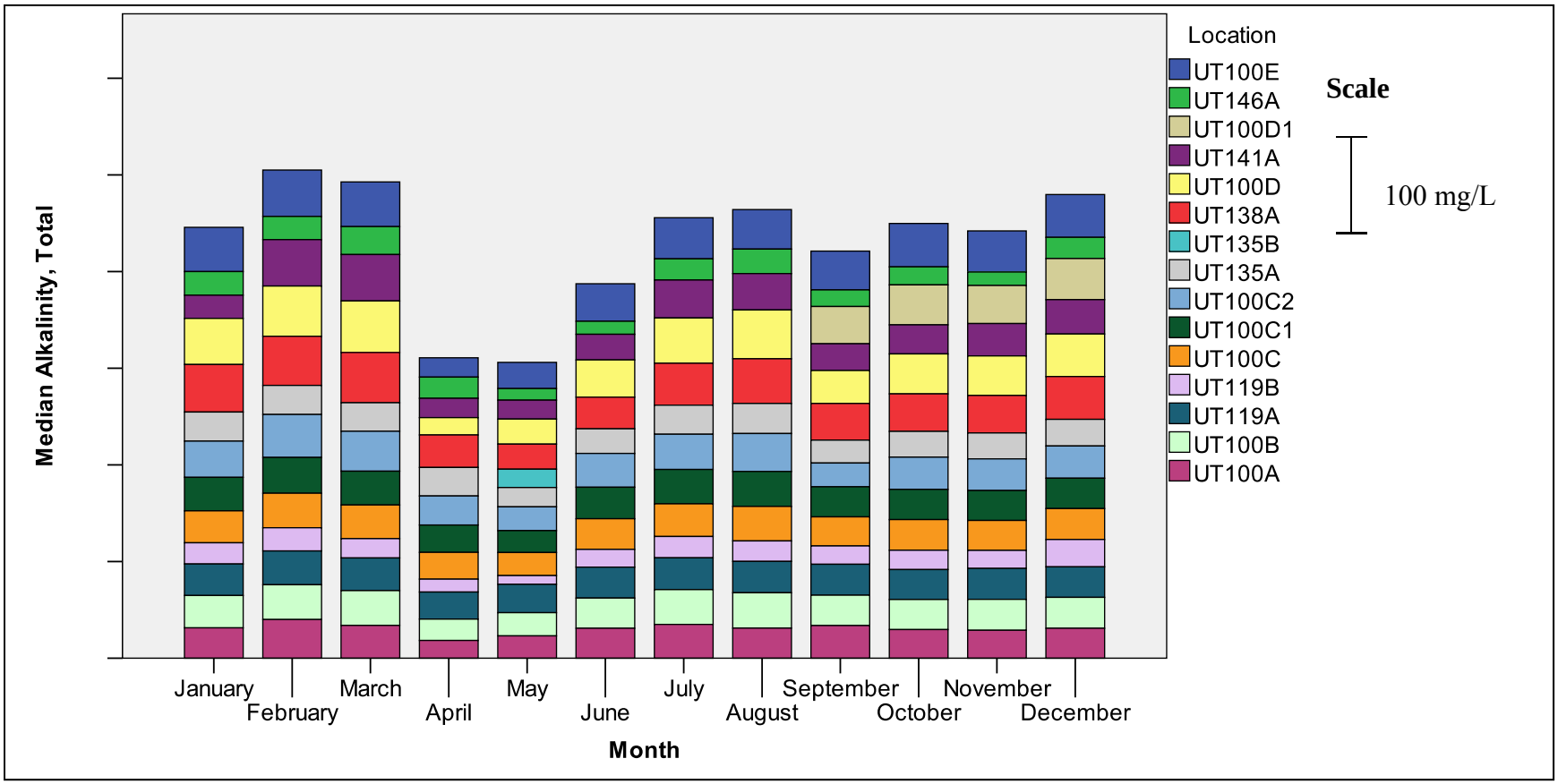


FIGURE 9.1-114
Alkalinity Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

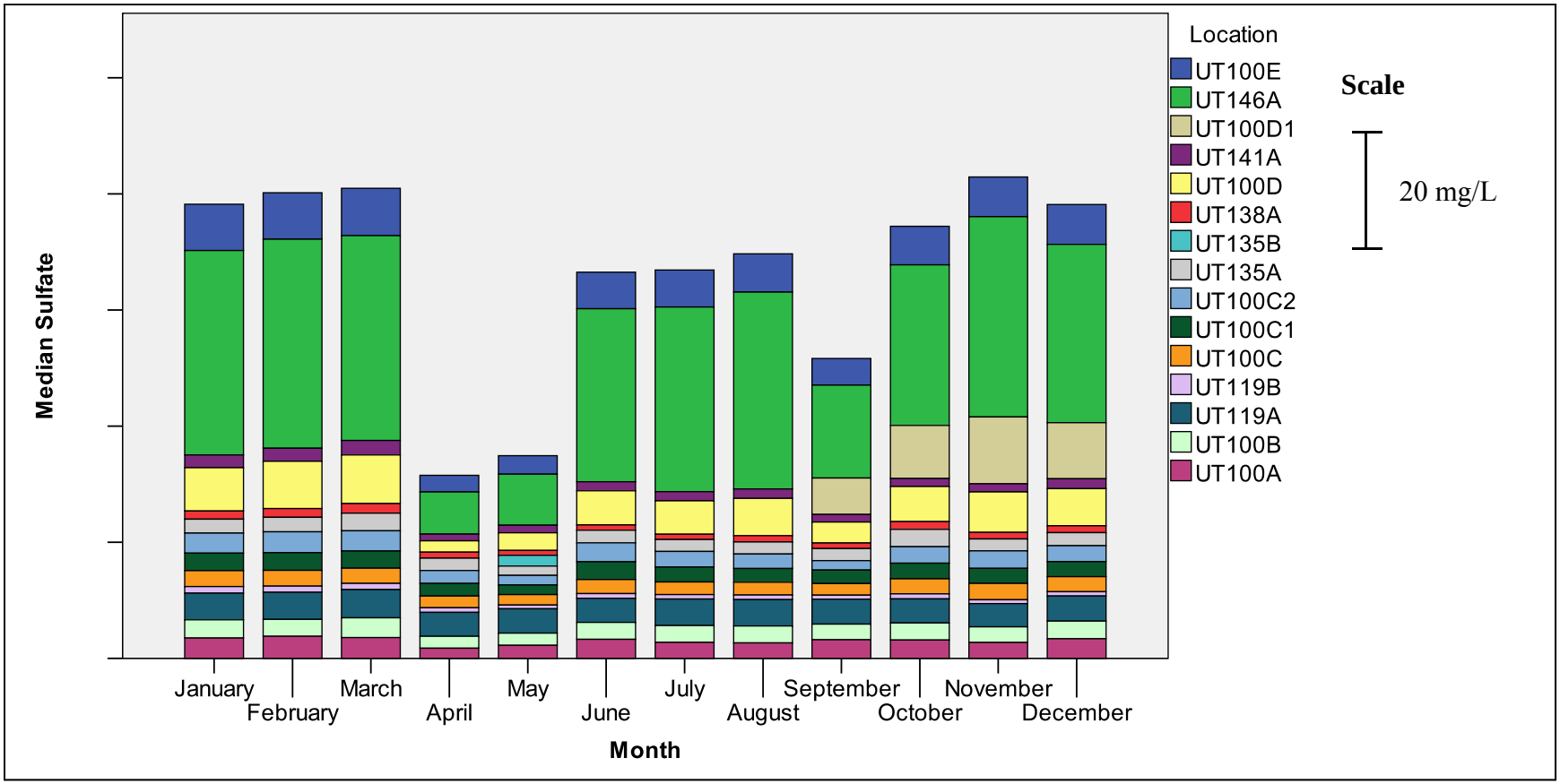


FIGURE 9.1-115
Sulfate Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

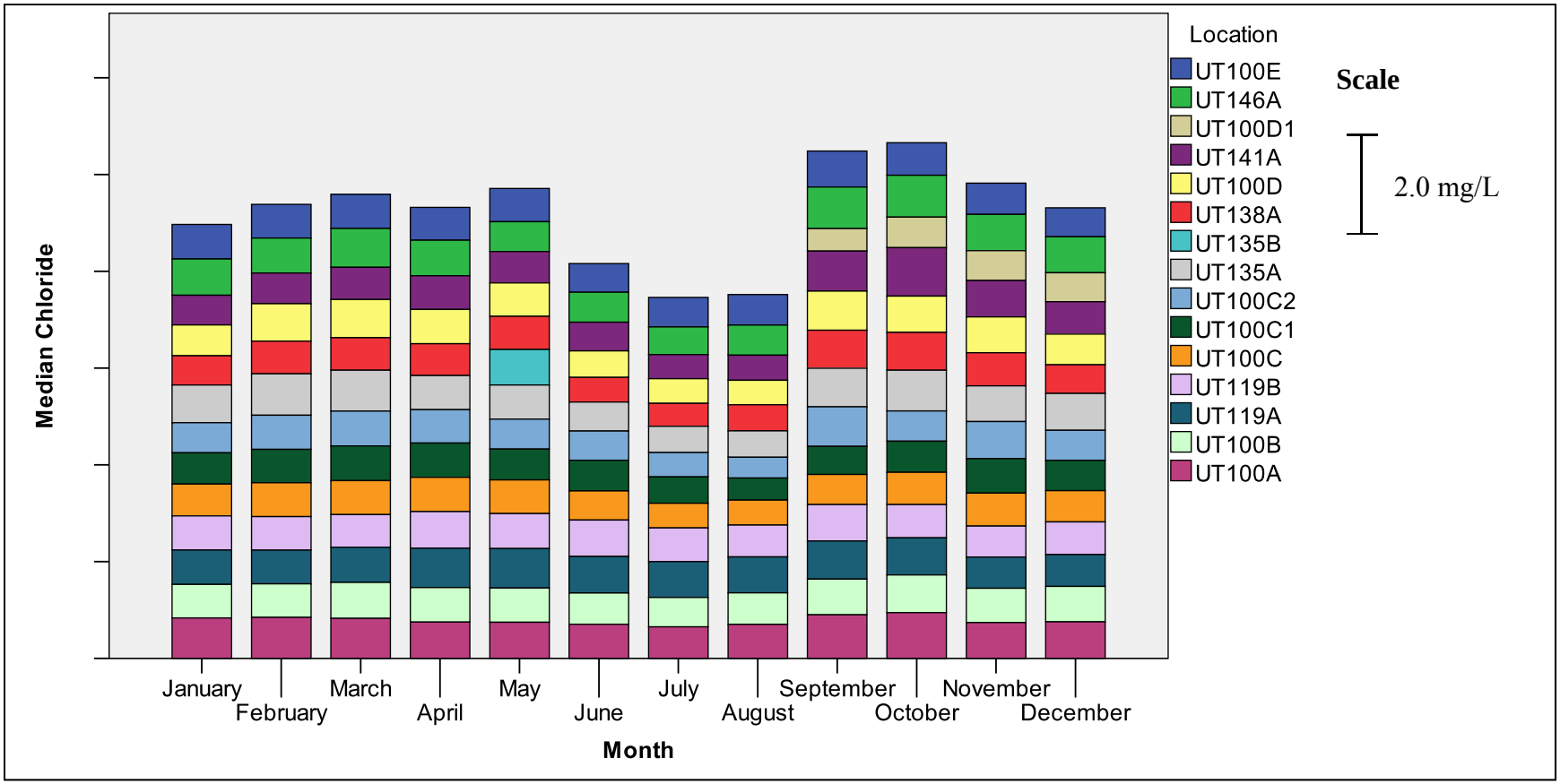


FIGURE 9.1-116
Chloride Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

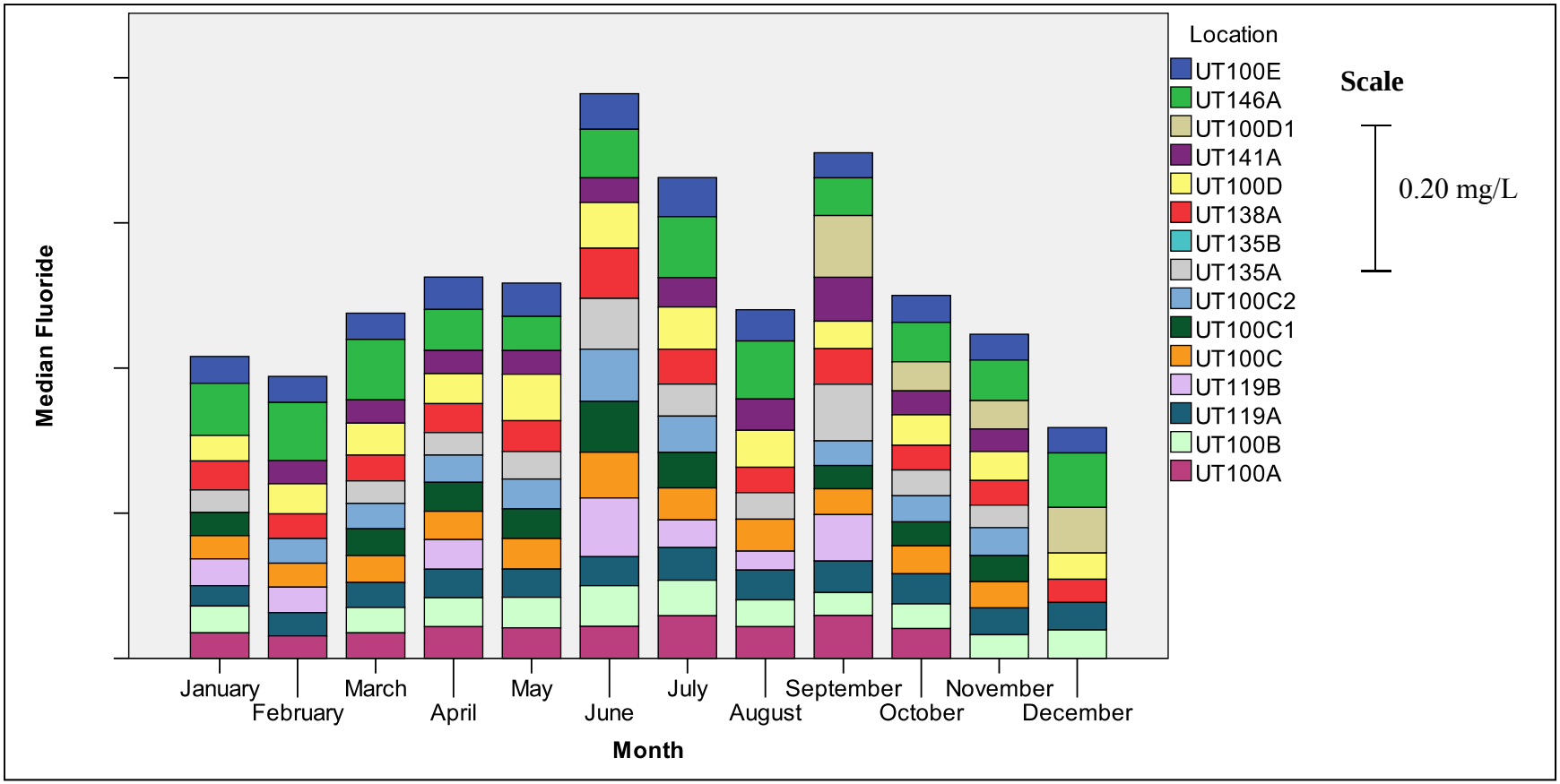


FIGURE 9.1-117
Fluoride Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

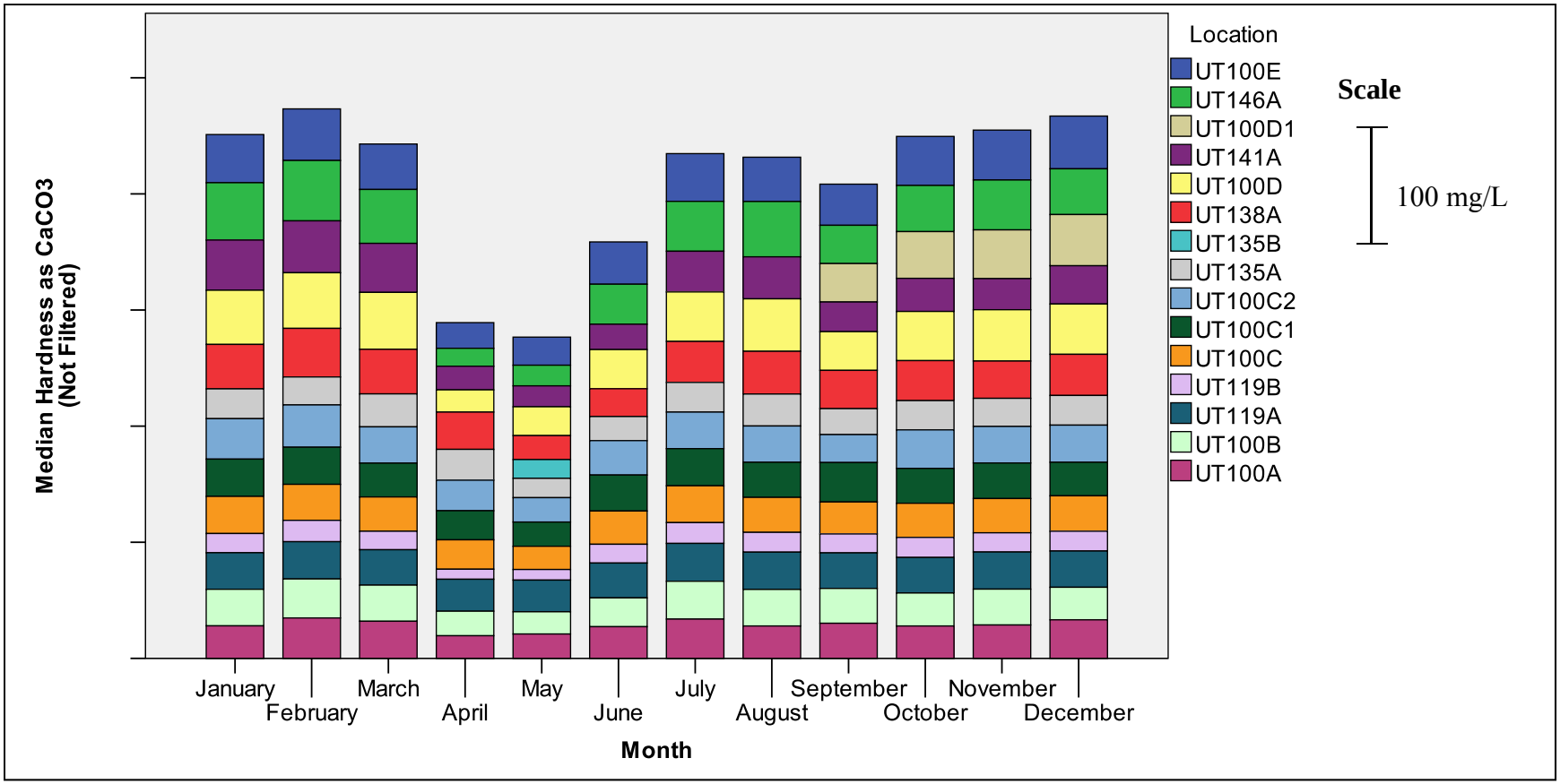


FIGURE 9.1-118
Hardness as $CaCO_3$ (Not Filtered) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.0 mg/L.

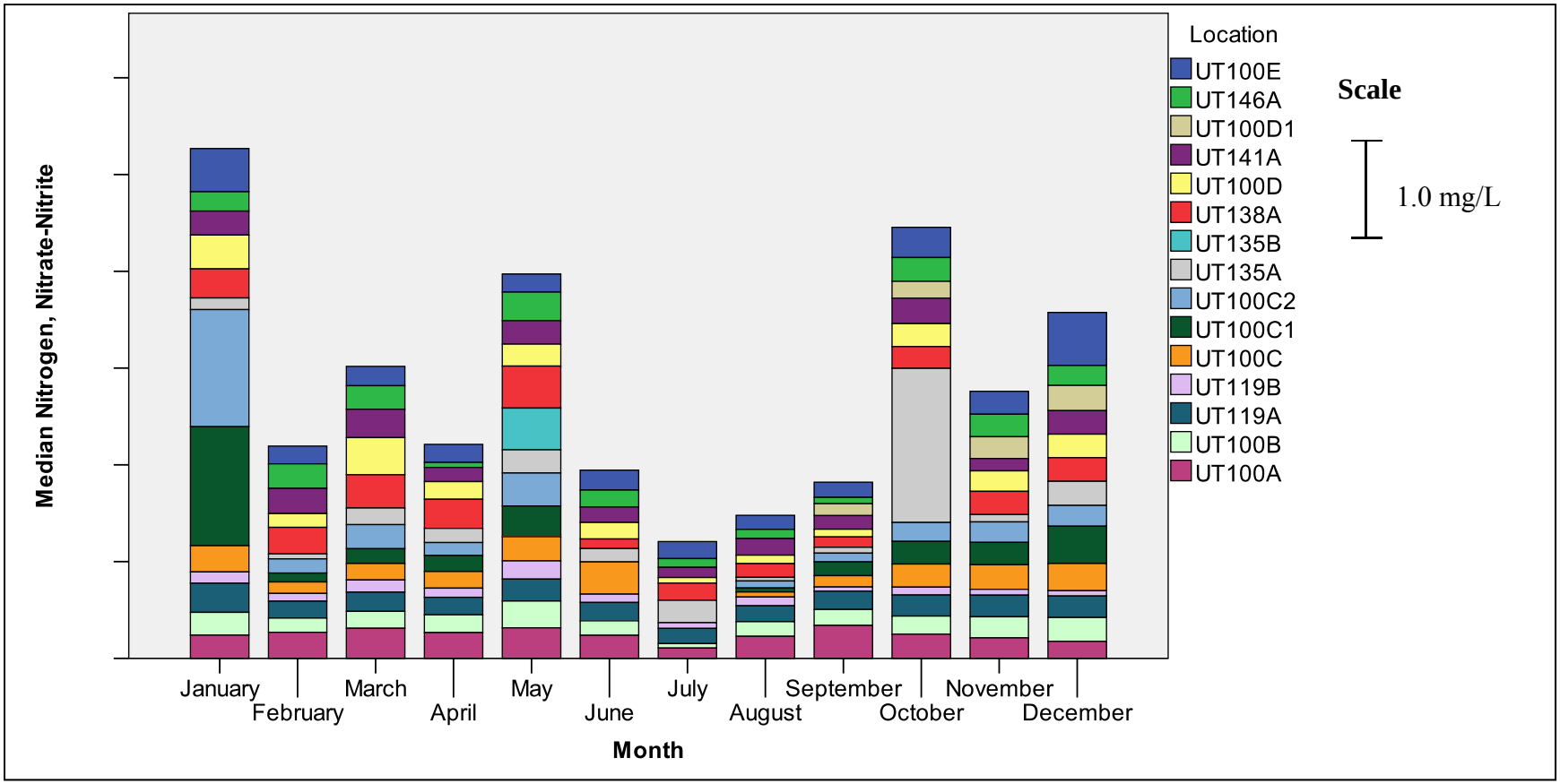


FIGURE 9.1-119
Total Nitrate+Nitrite (as N) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

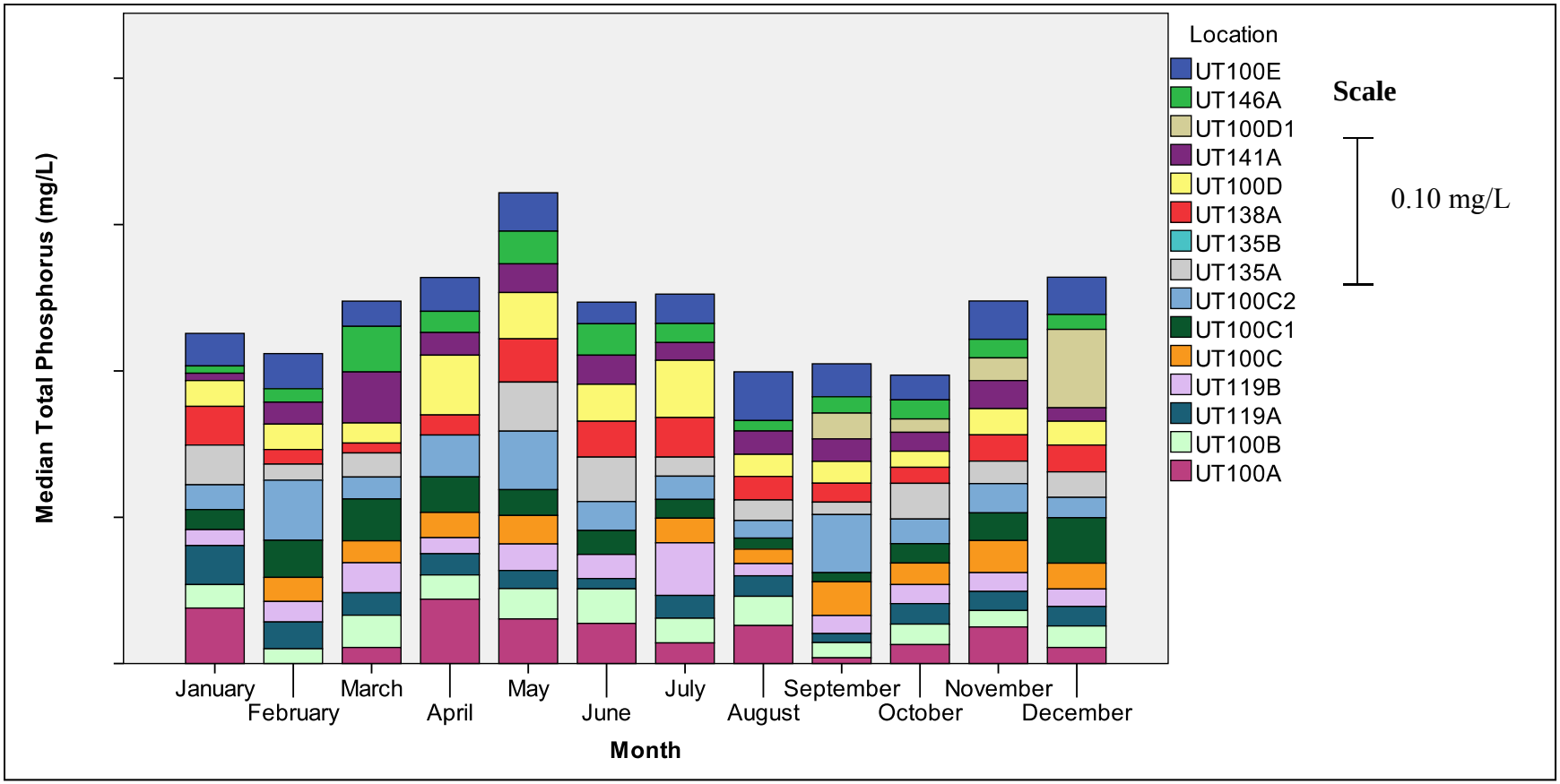


FIGURE 9.1-120
Total Phosphorus Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.010 mg/L.

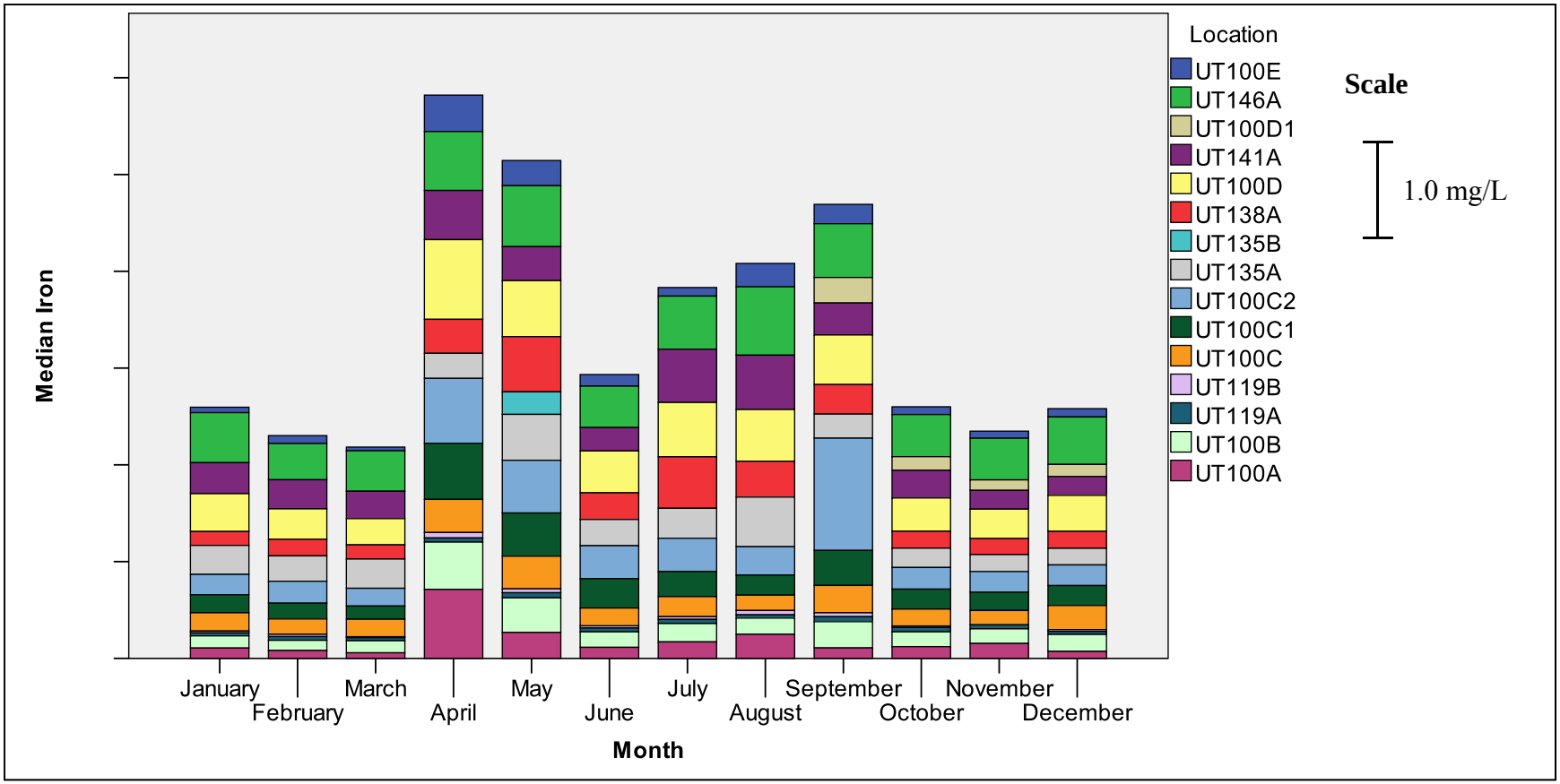


FIGURE 9.1-121
Iron Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.020 mg/L.

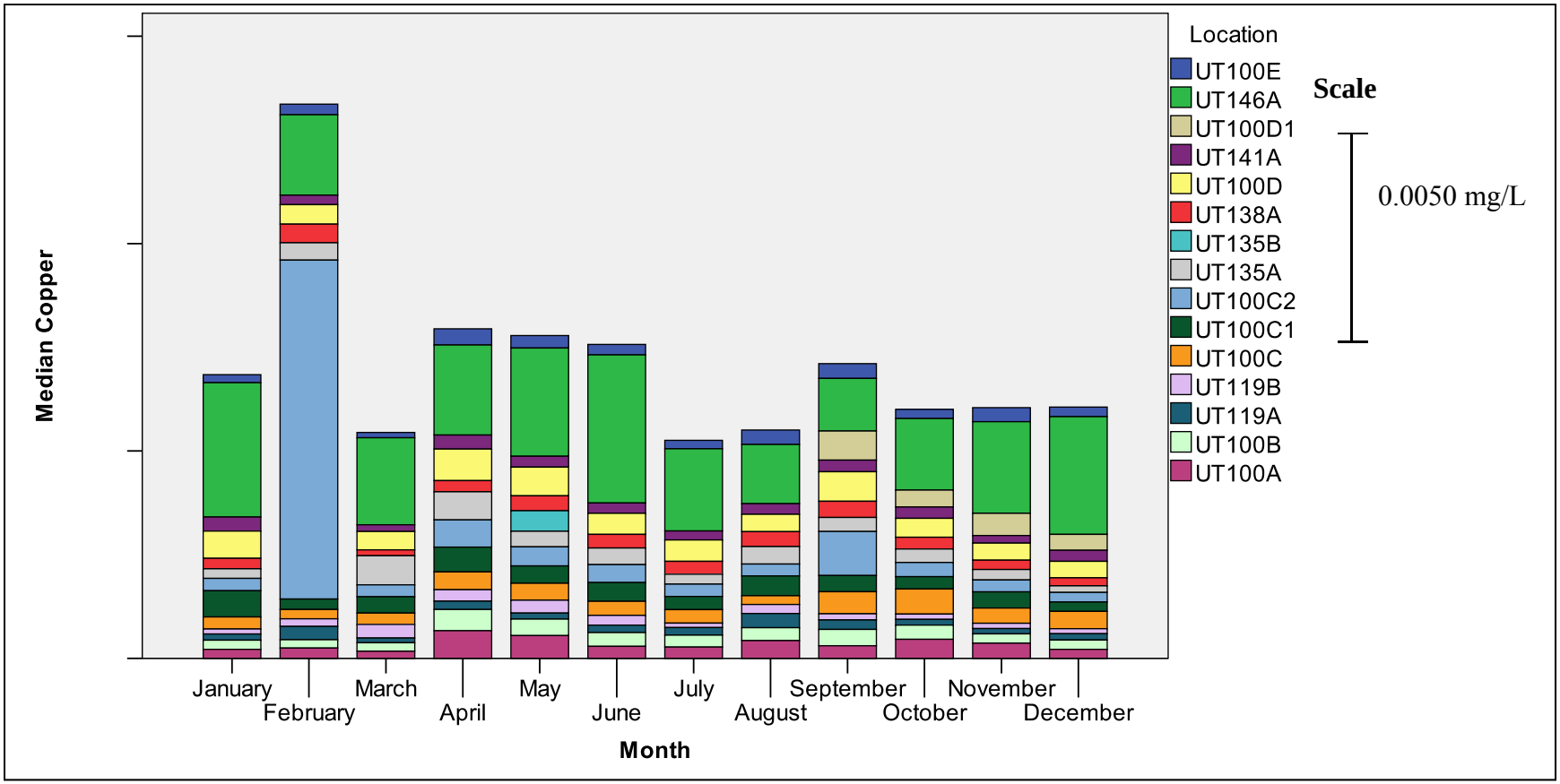


FIGURE 9.1-122
Copper Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

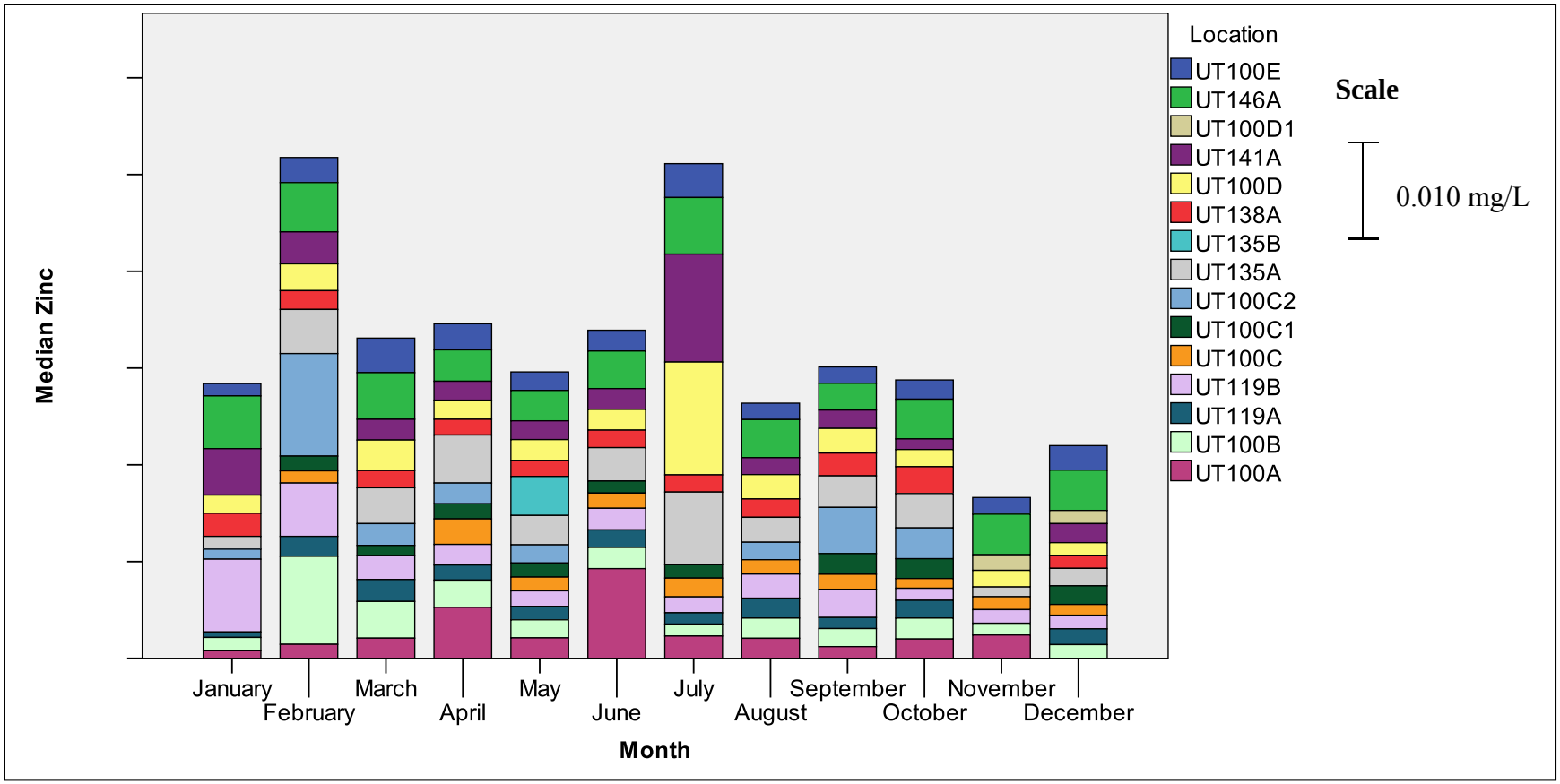


FIGURE 9.1-123
Zinc Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0010 mg/L.

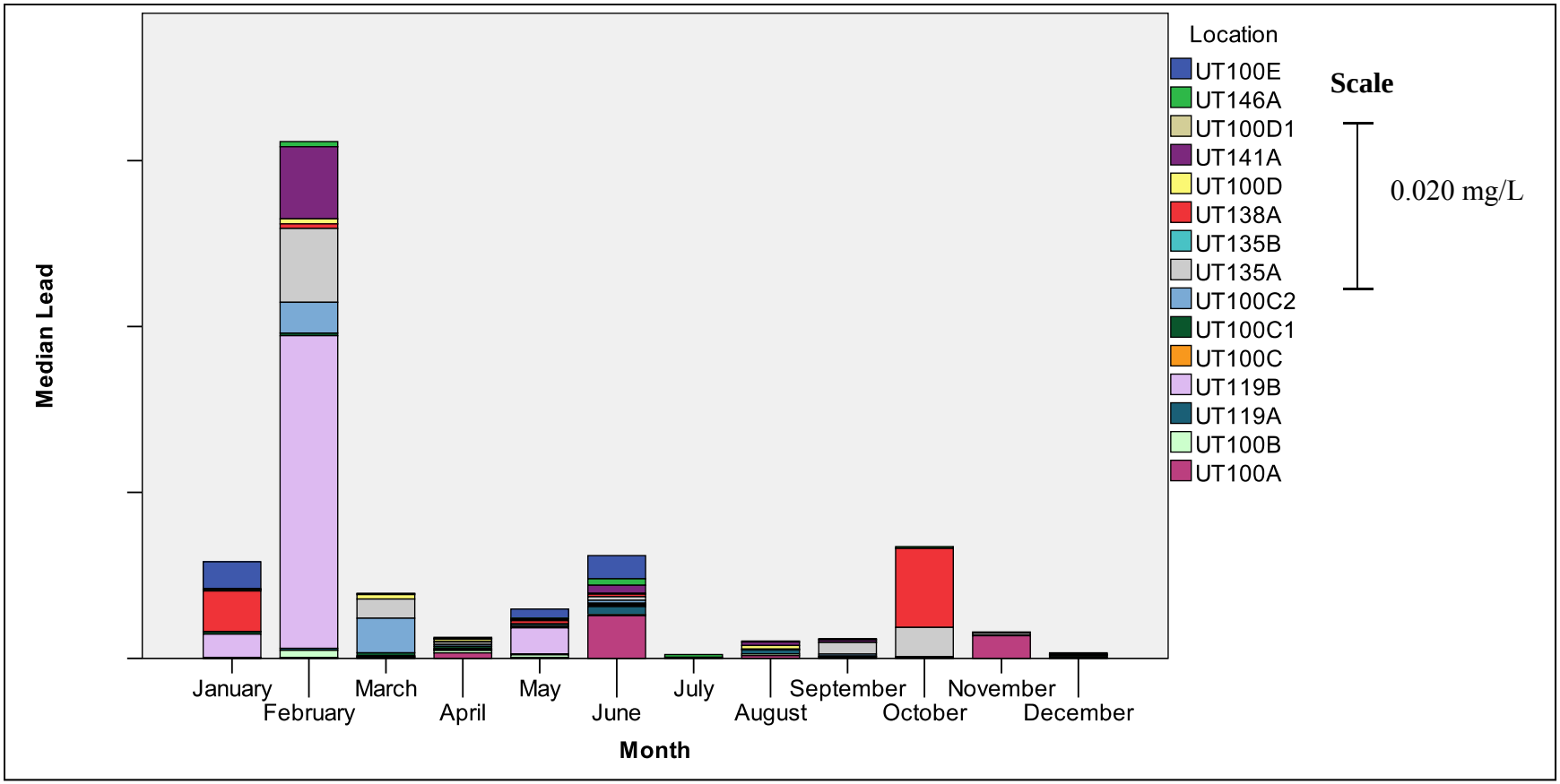


FIGURE 9.1-124
Lead Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

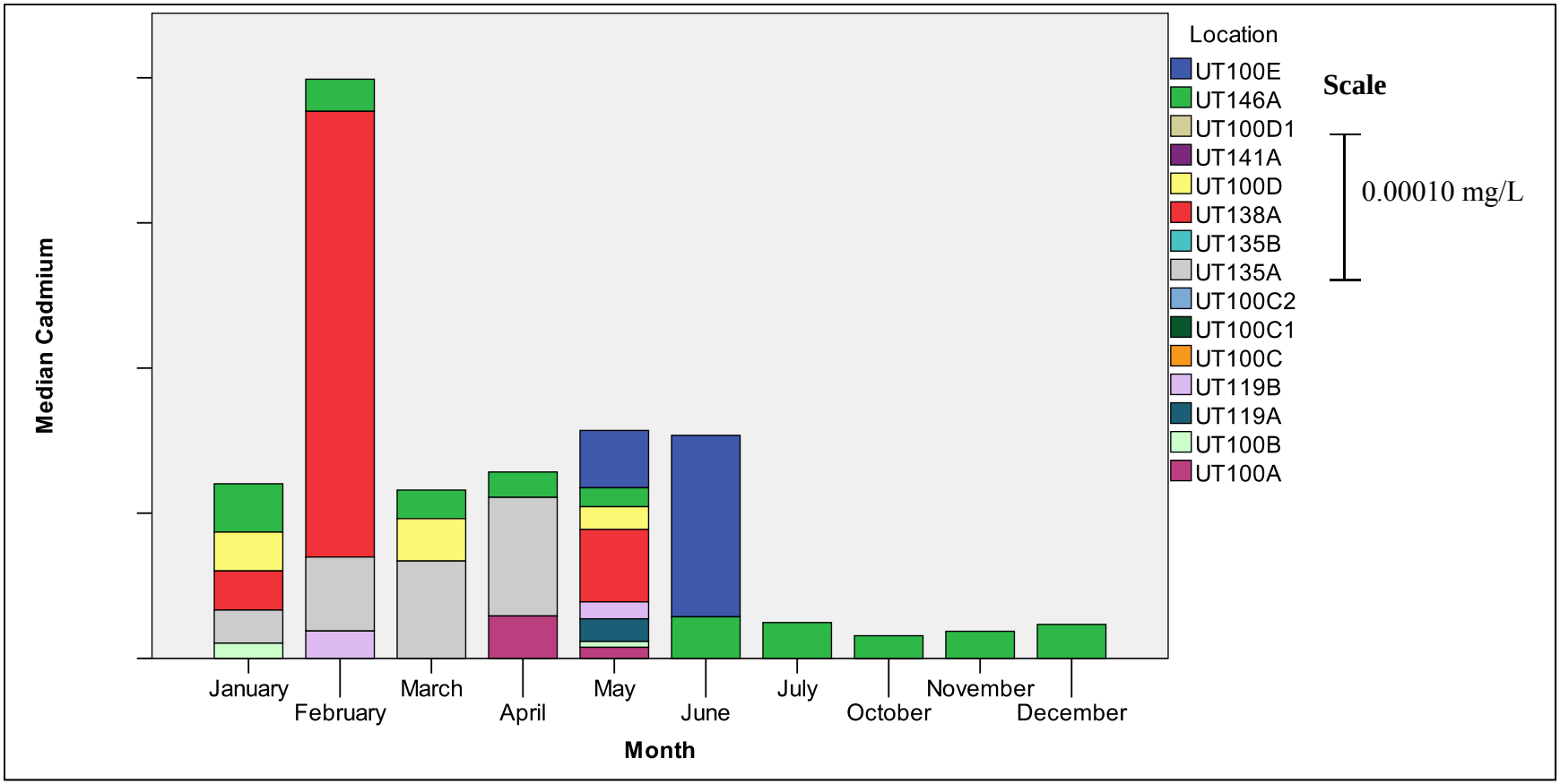


FIGURE 9.1-125
Cadmium Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

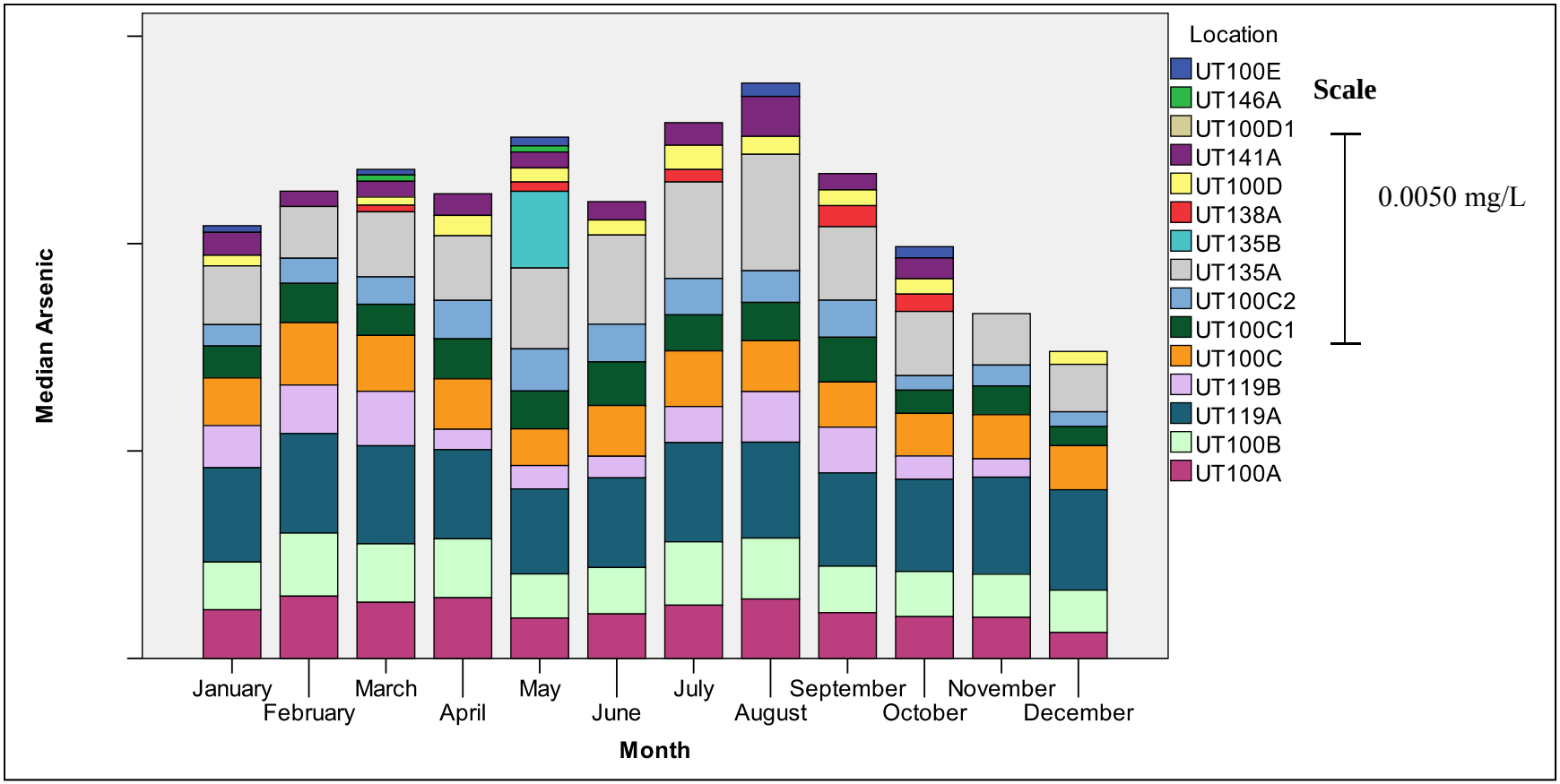


FIGURE 9.1-126
Arsenic Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00050 mg/L.

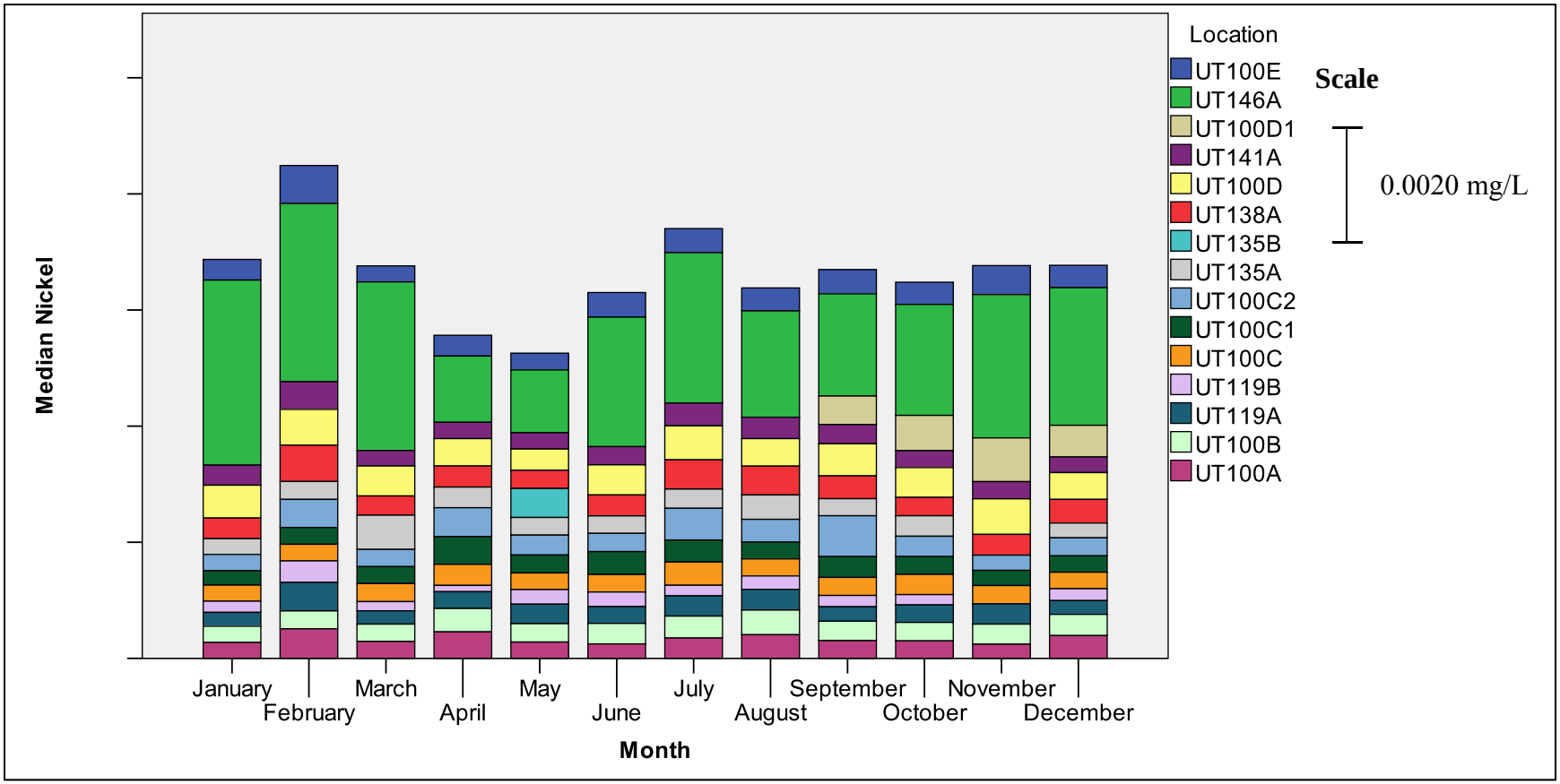


FIGURE 9.1-127
Nickel Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00020 mg/L.

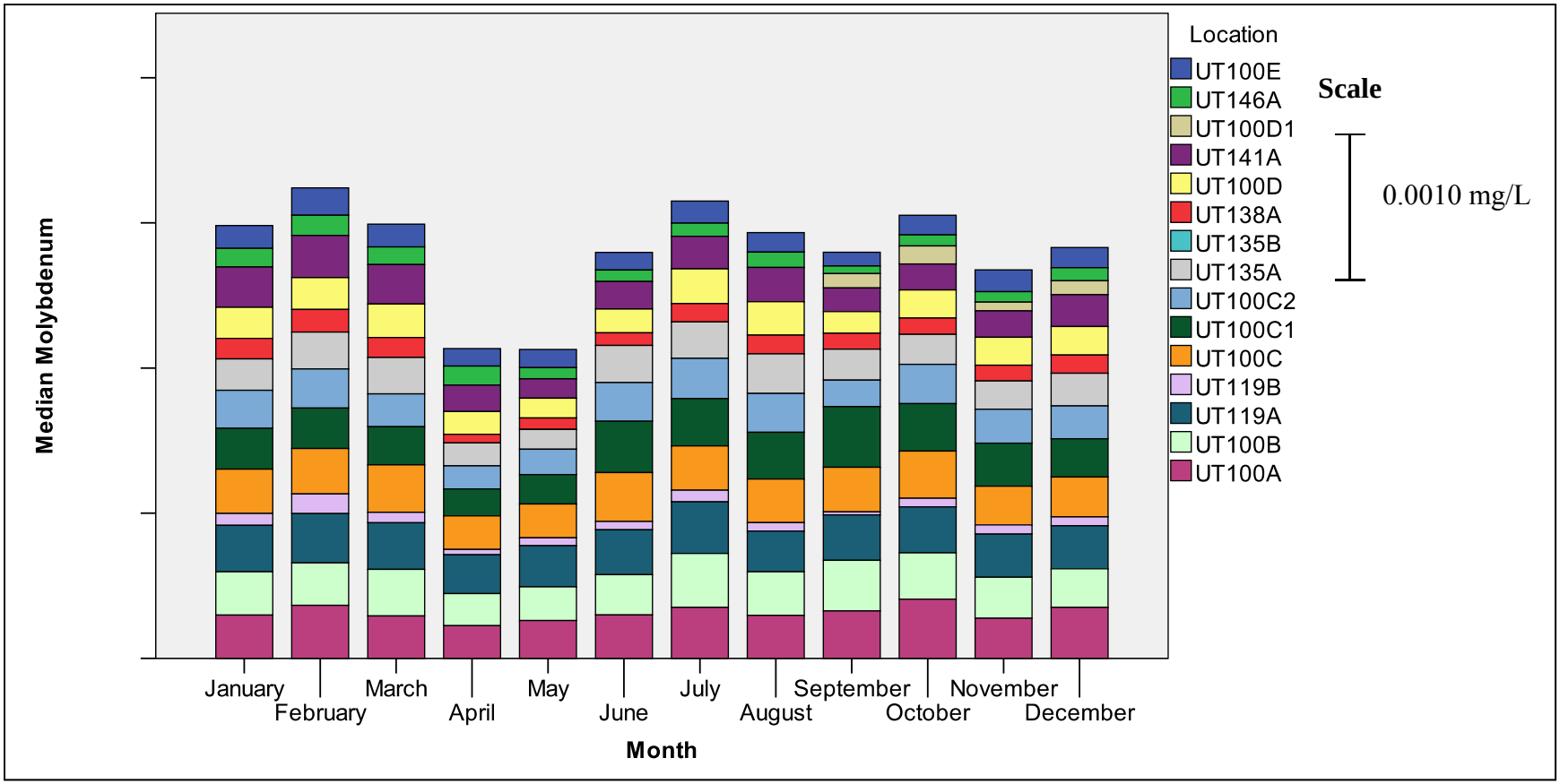


FIGURE 9.1-128
Molybdenum Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

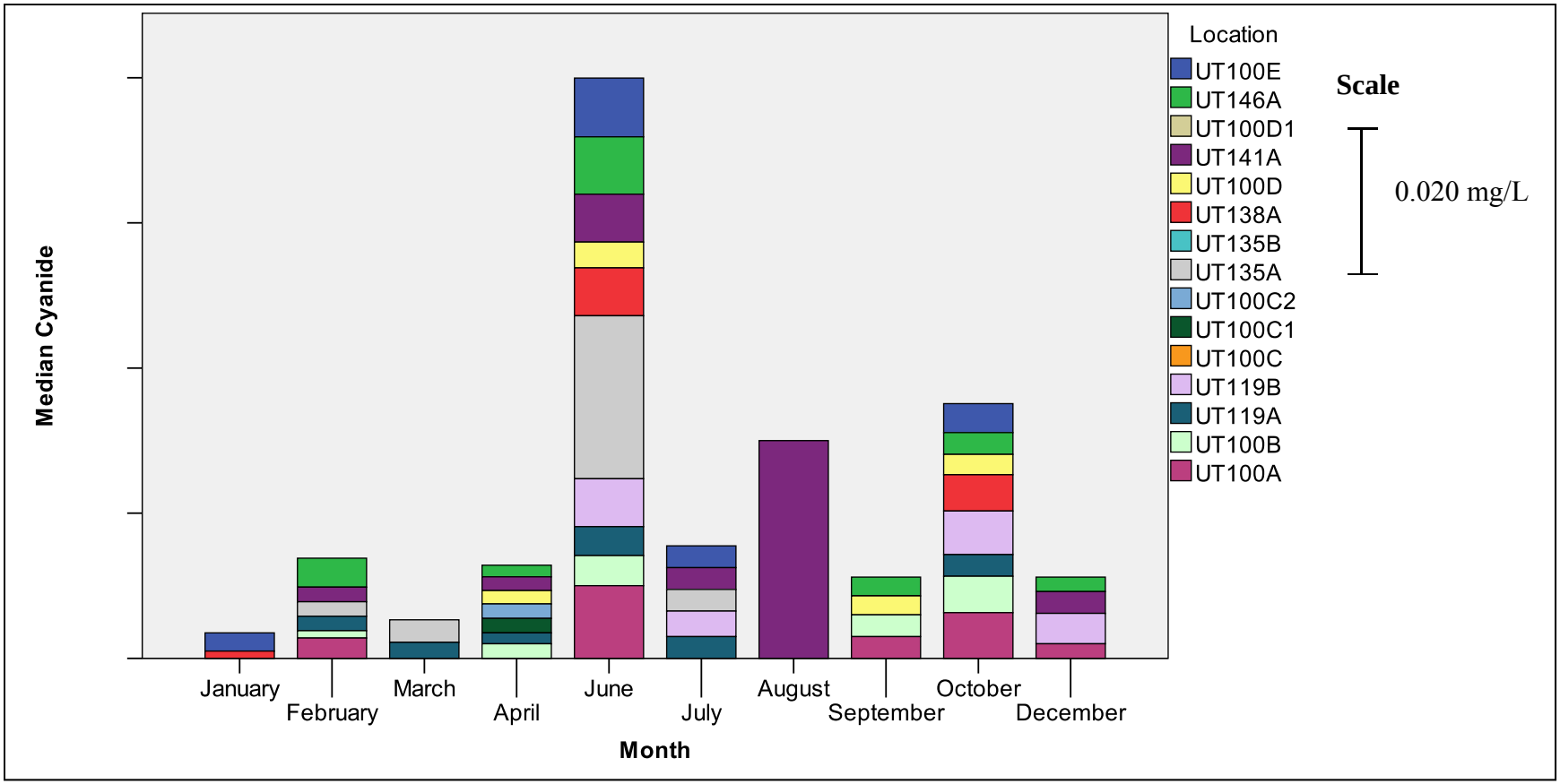


FIGURE 9.1-129
Total Cyanide Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0050 mg/L.

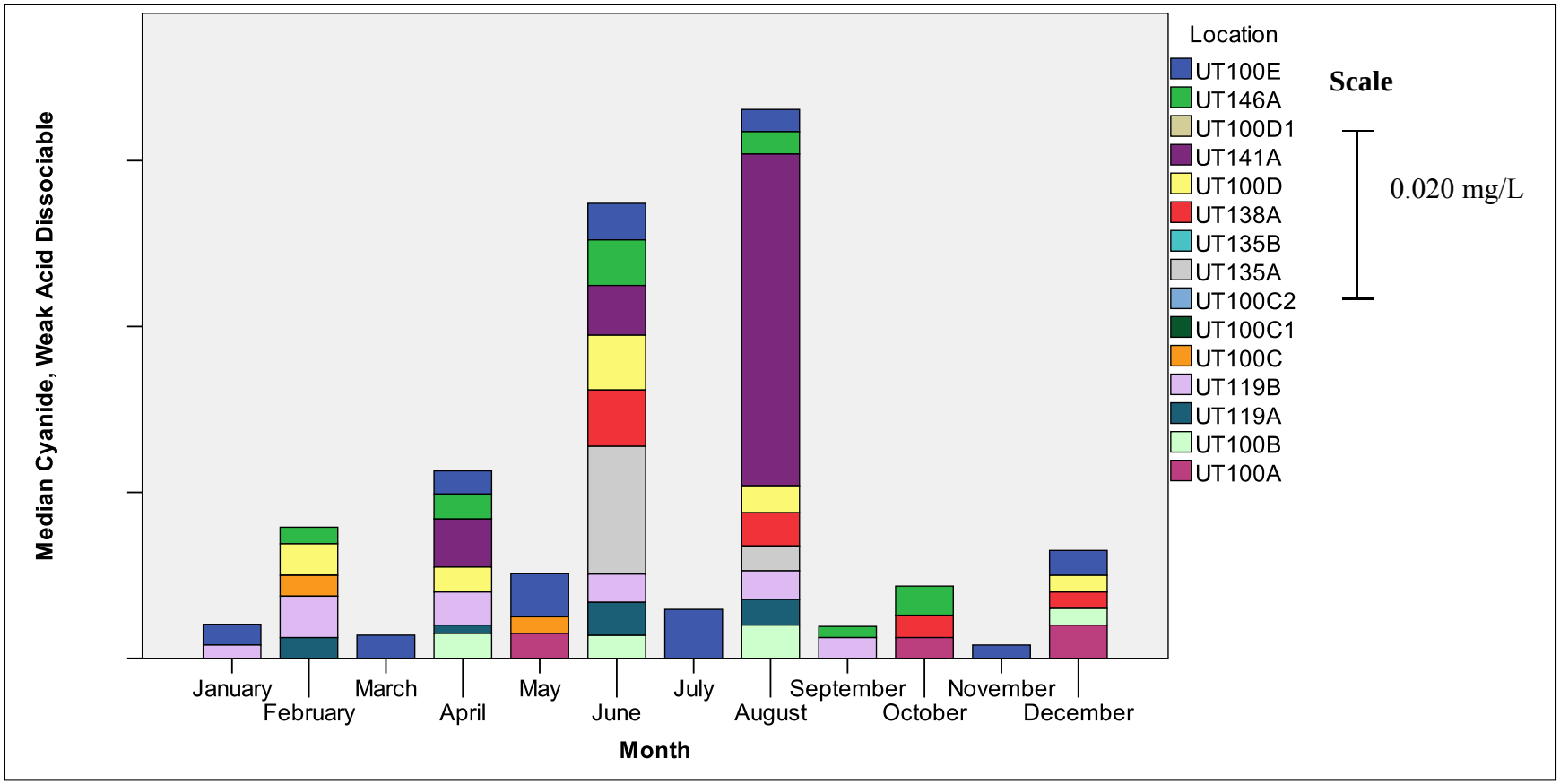


FIGURE 9.1-130
Cyanide, Weak Acid Dissociable (WAD) Surface Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0050 mg/L.

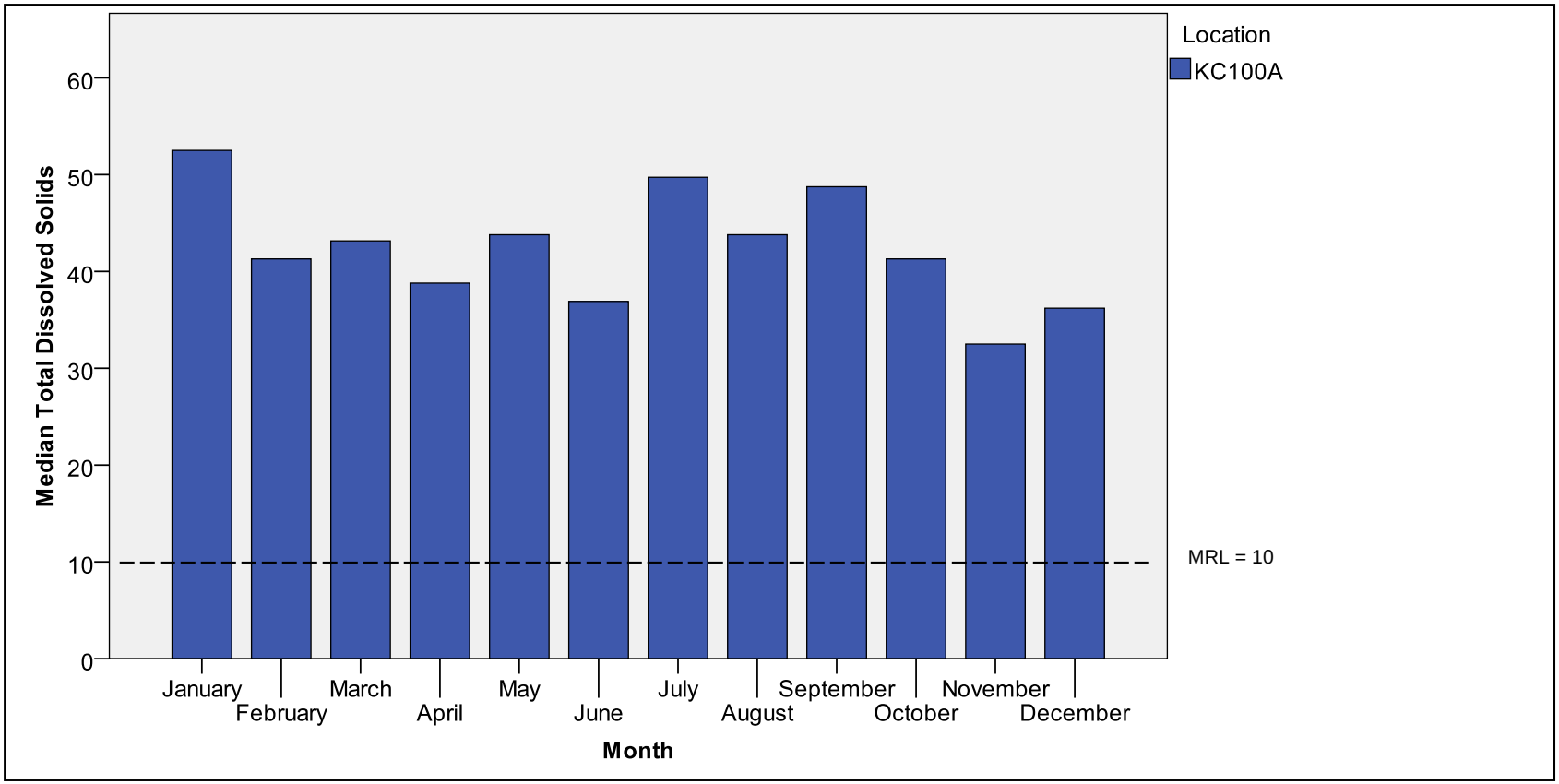


FIGURE 9.1-131
Total Dissolved Solids Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

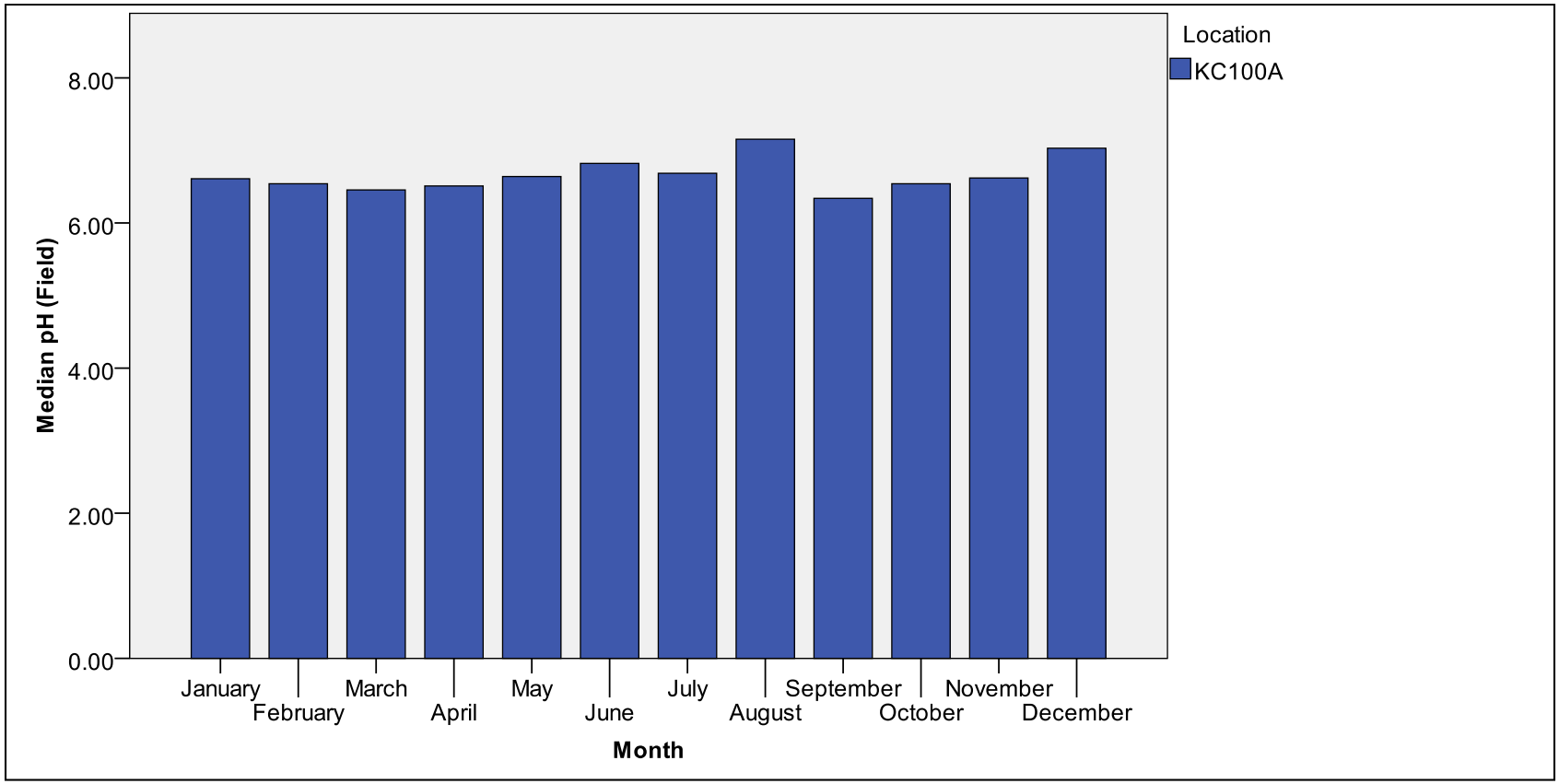


FIGURE 9.1-132
pH (Field) in Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in standard pH units.

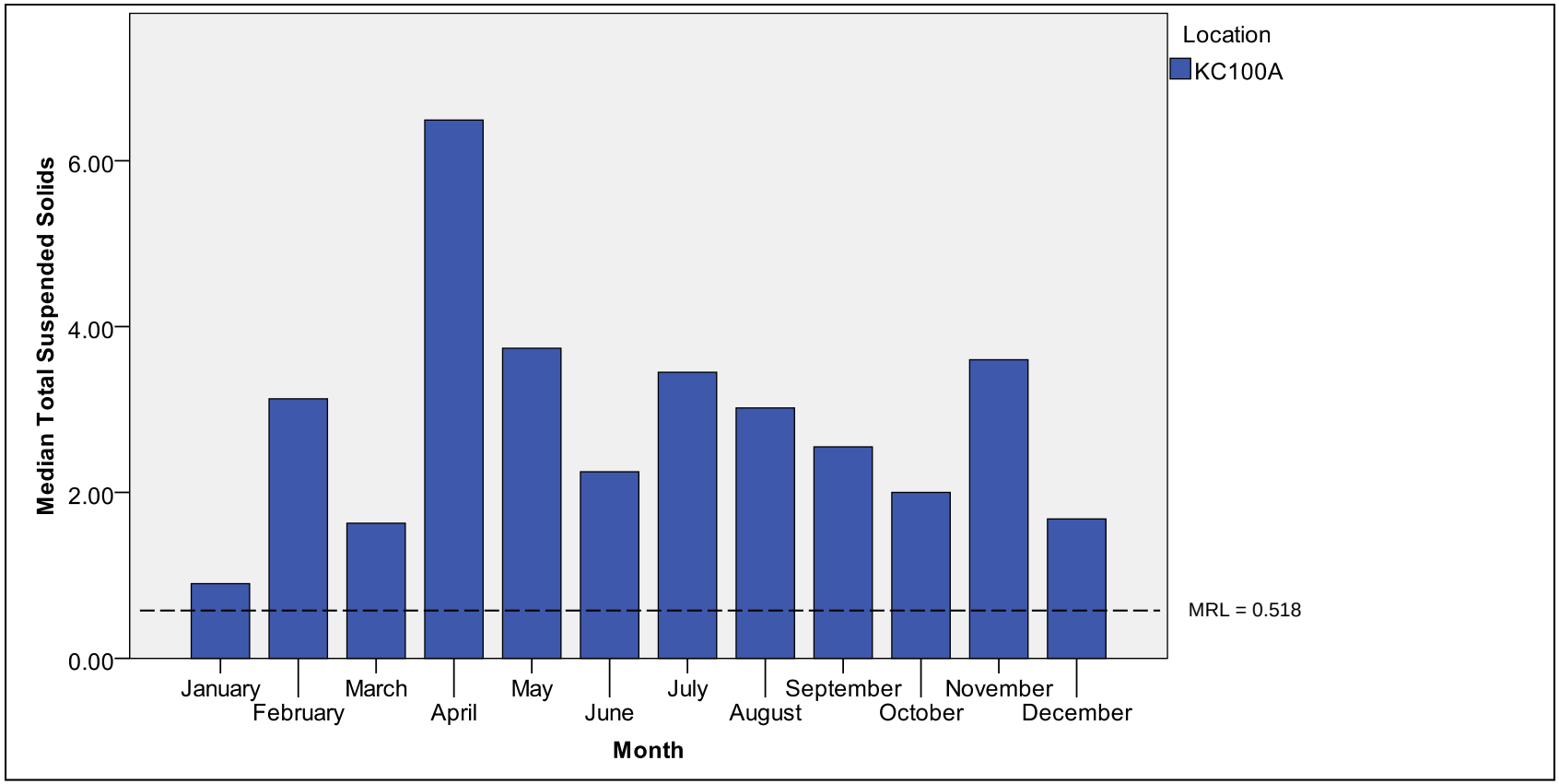


FIGURE 9.1-133
Total Suspended Solids Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

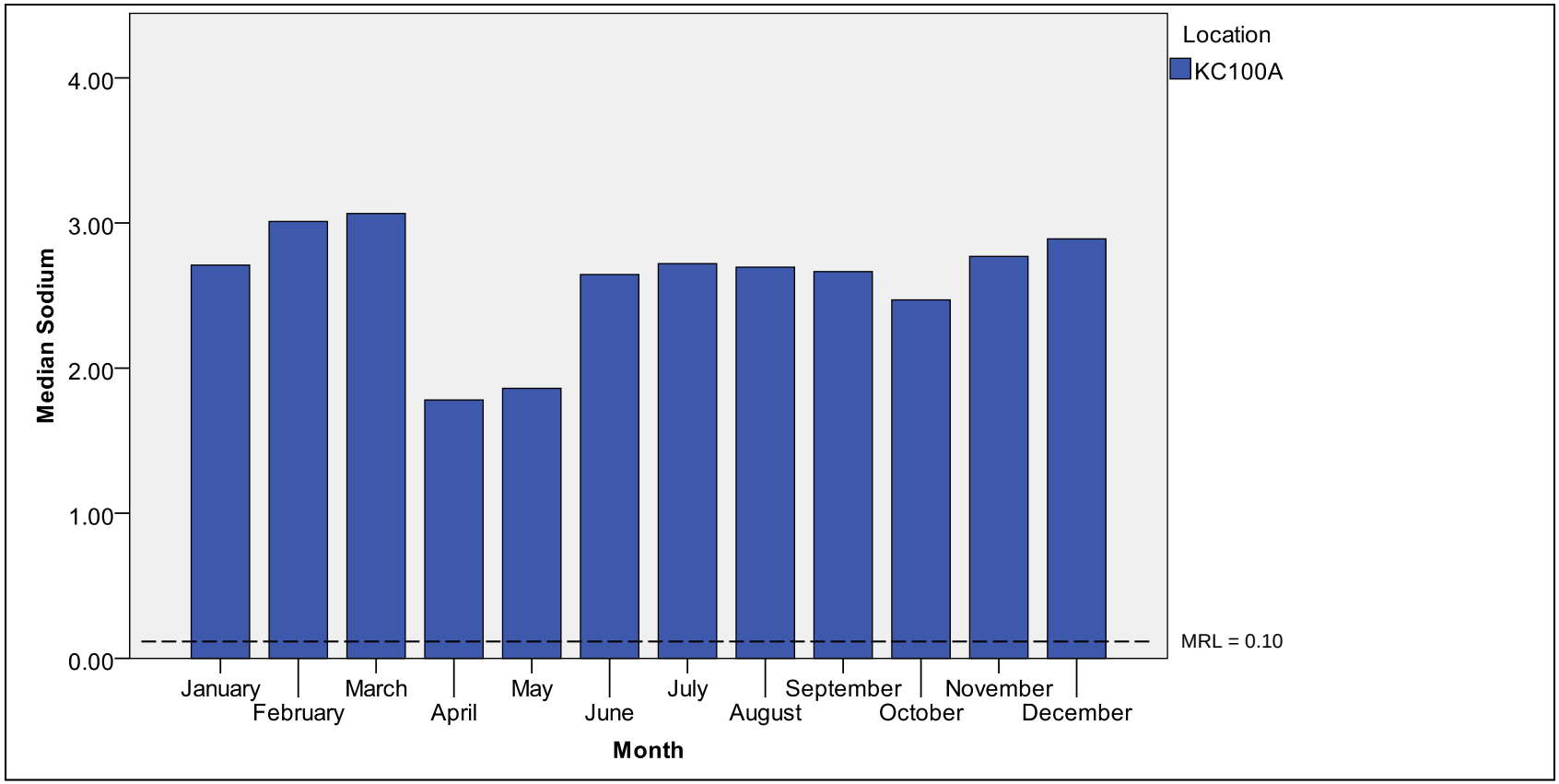


FIGURE 9.1-134
Sodium (Total) Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

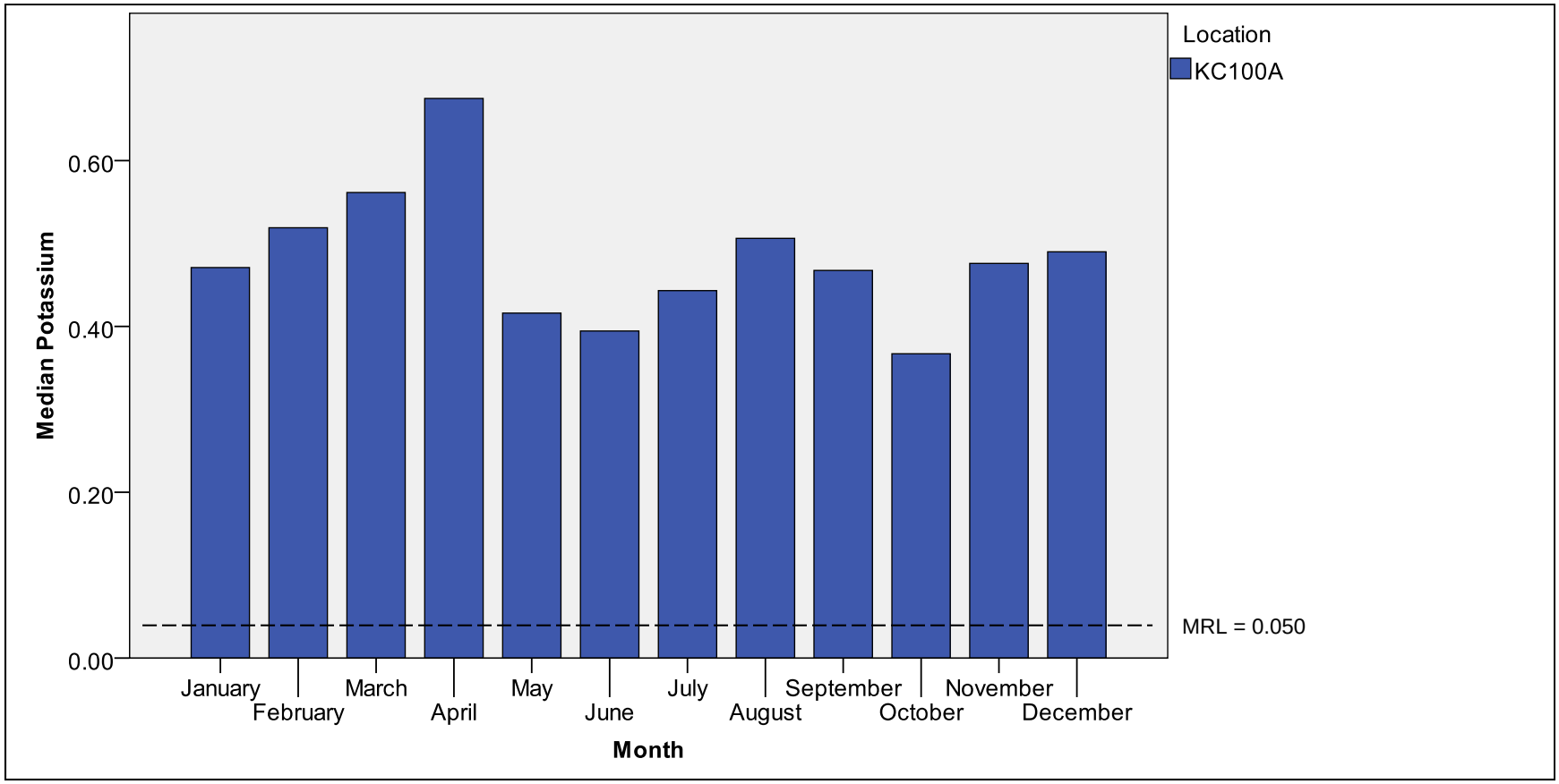


FIGURE 9.1-135
Potassium Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

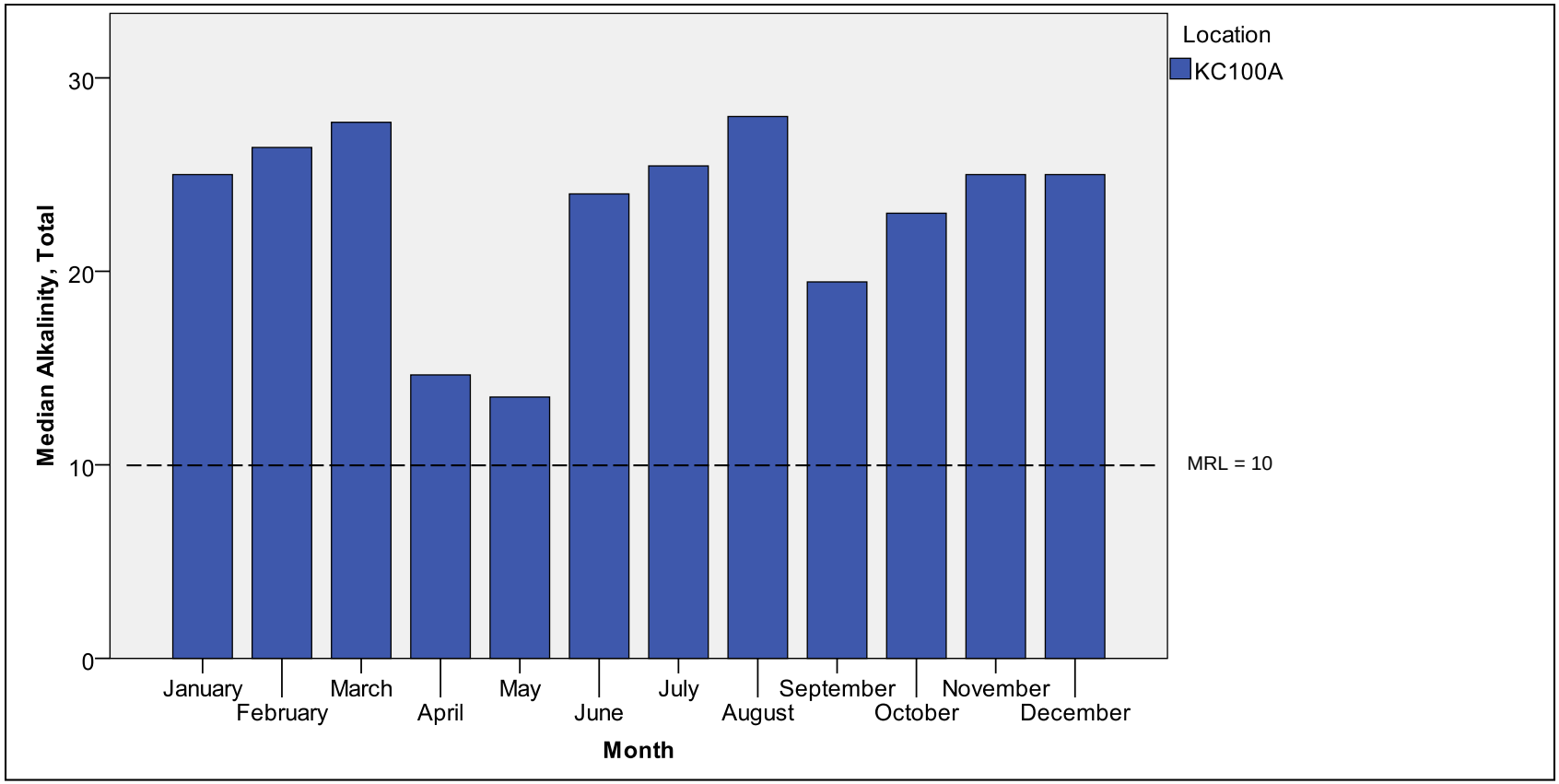


FIGURE 9.1-136
Alkalinity Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

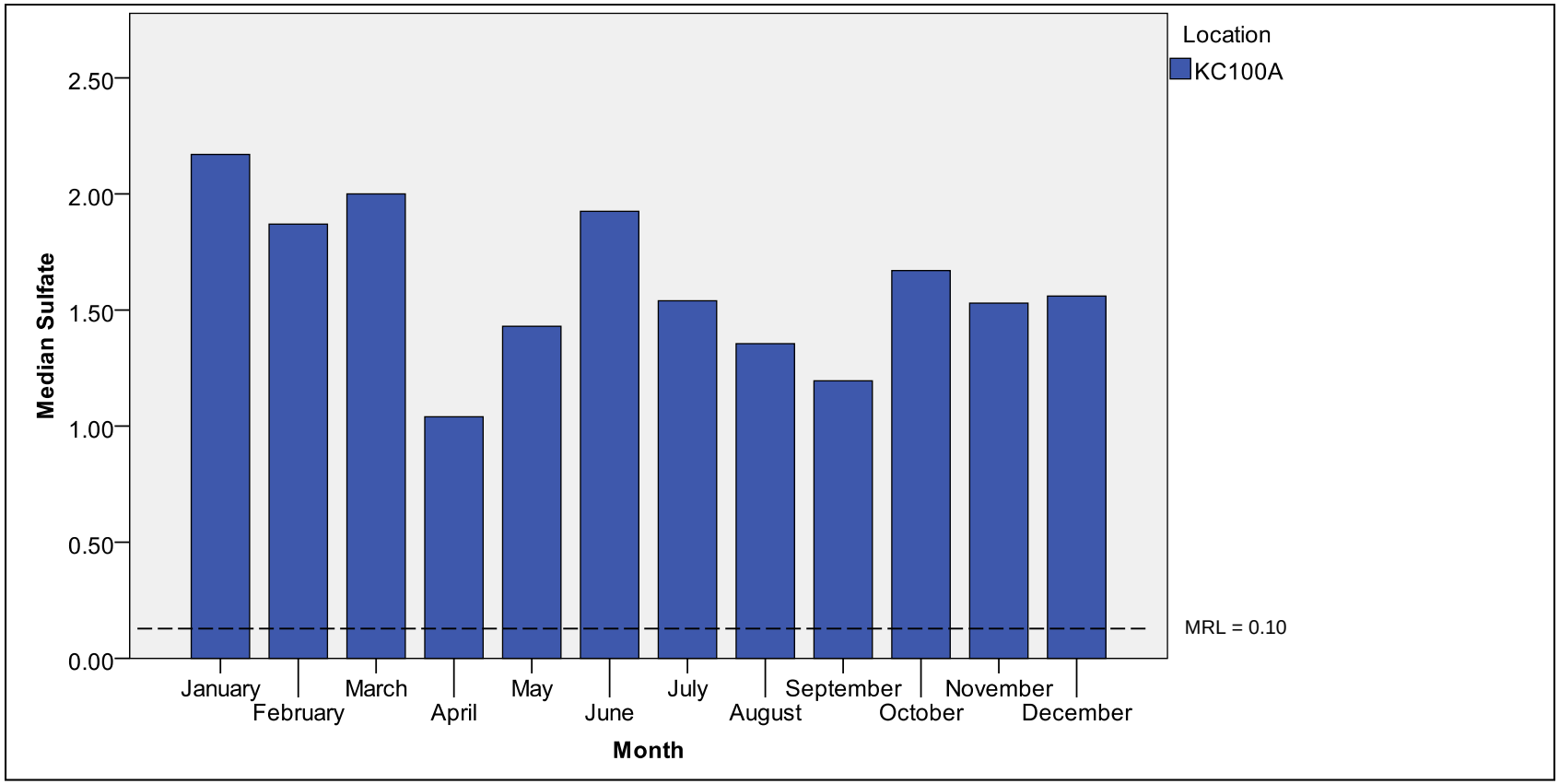


FIGURE 9.1-137
Sulfate Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

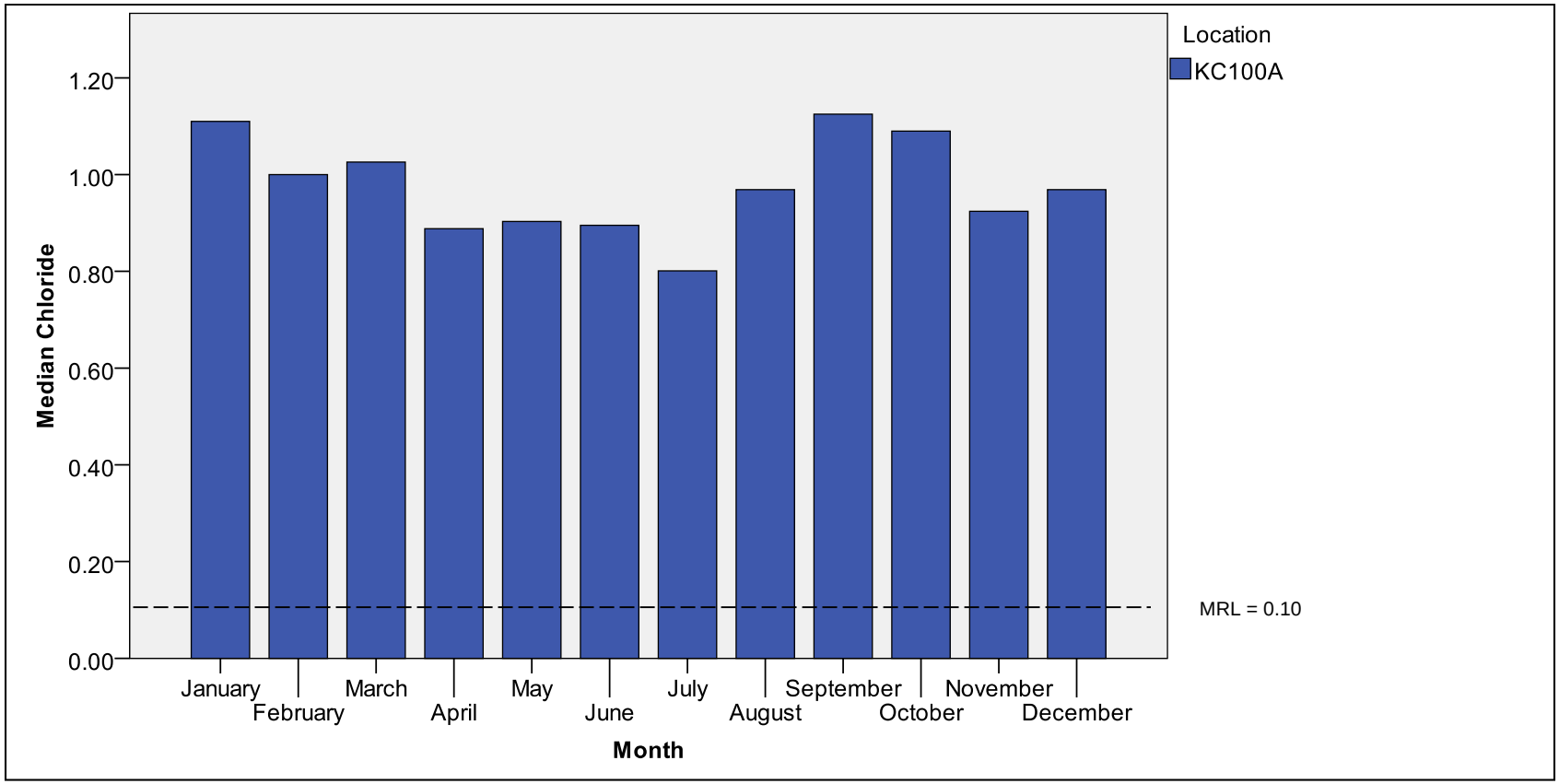


FIGURE 9.1-138
Chloride Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

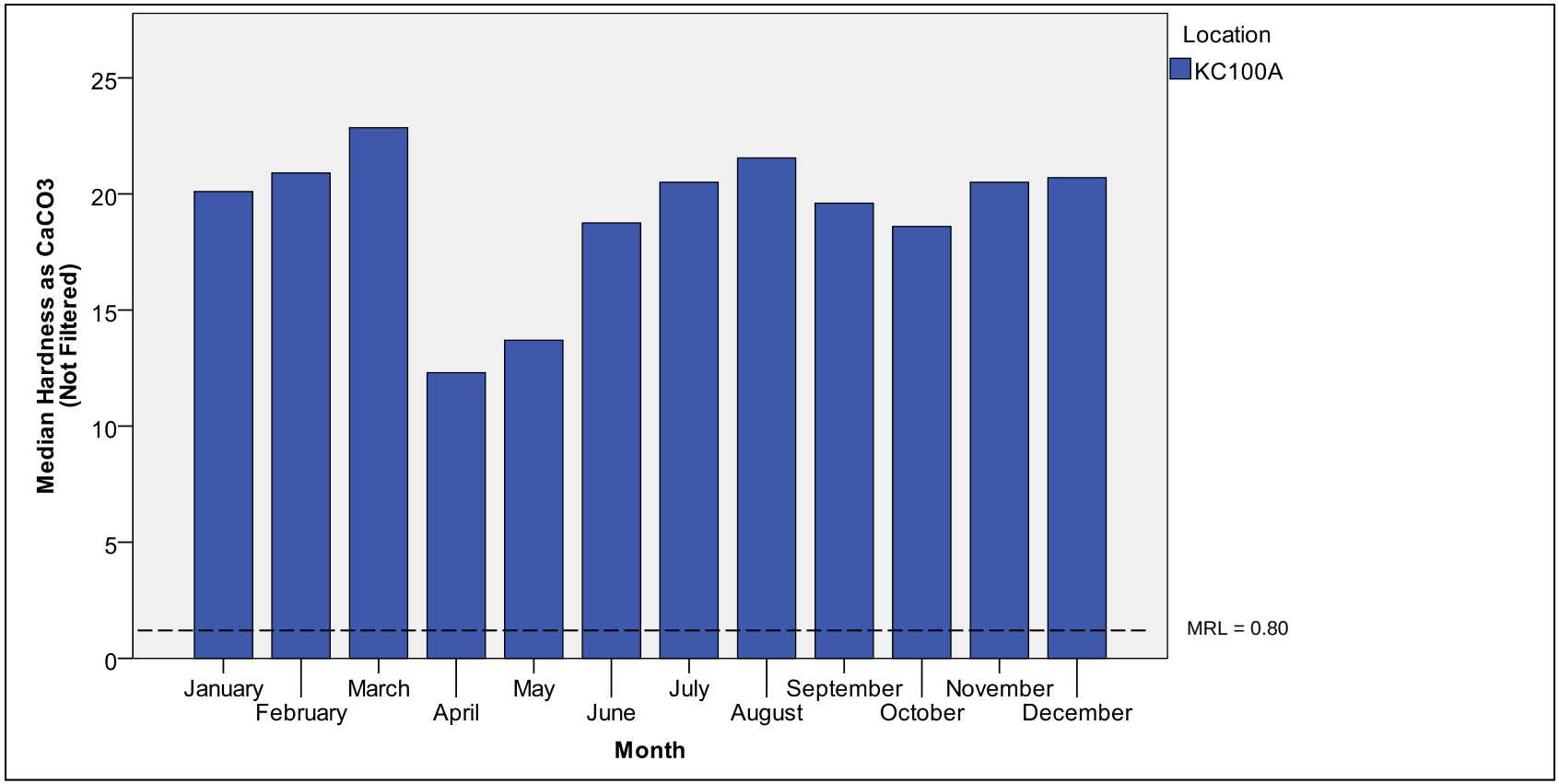


FIGURE 9.1-139
Hardness as $CaCO_3$ (Not Filtered) Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

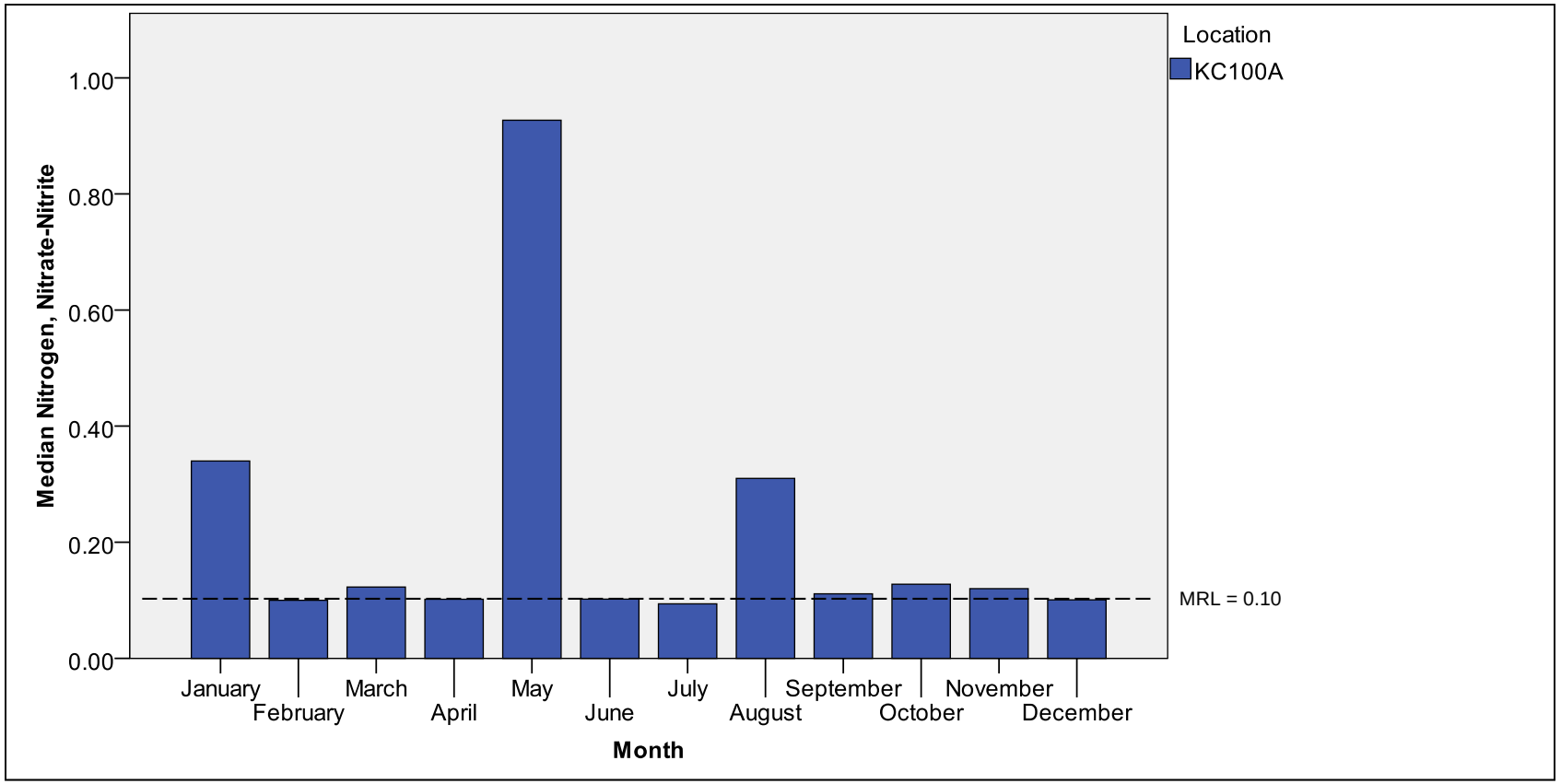


FIGURE 9.1-140
Total Nitrate+Nitrite (as N) Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

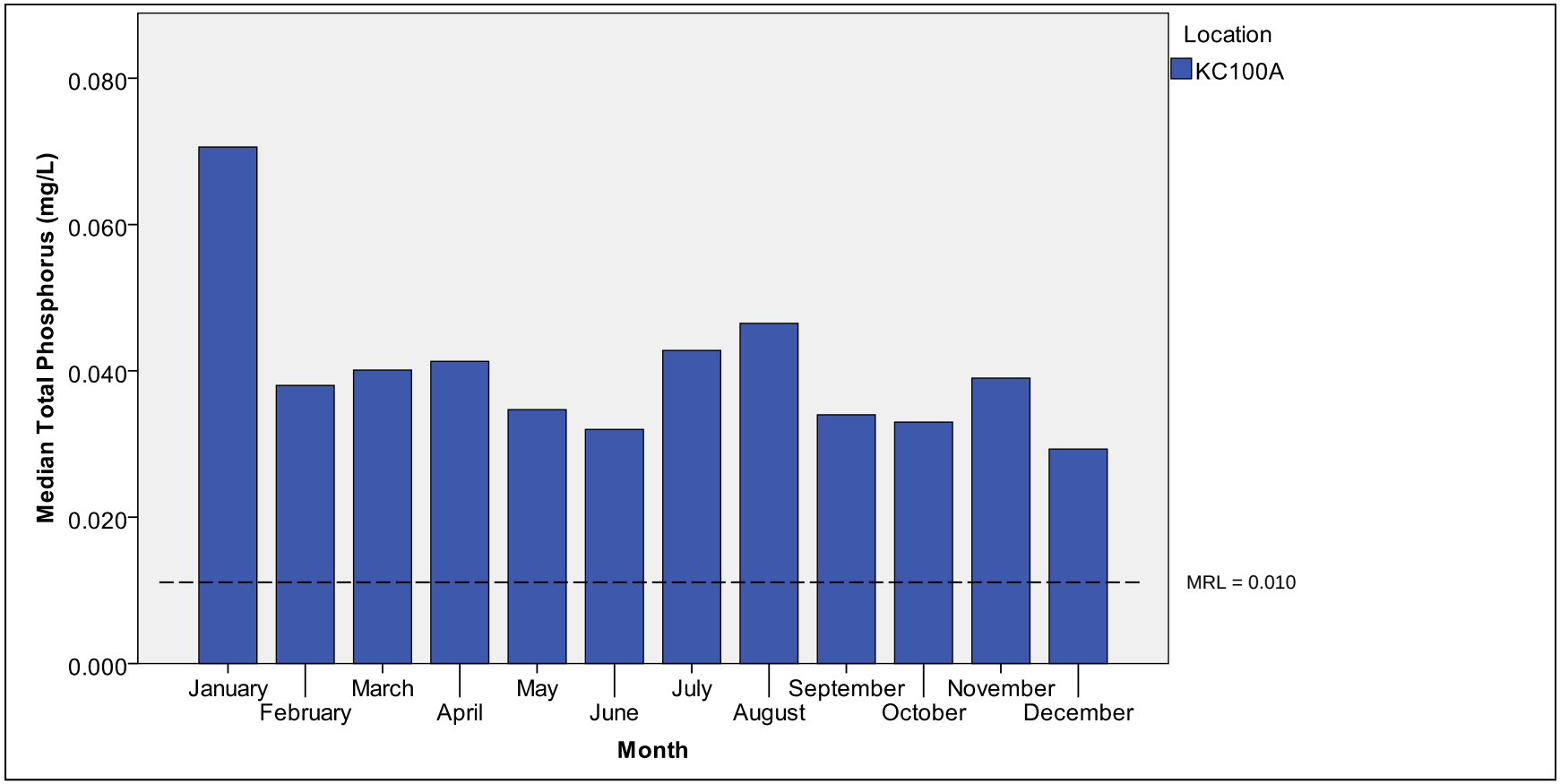


FIGURE 9.1-141
Total Phosphorus Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

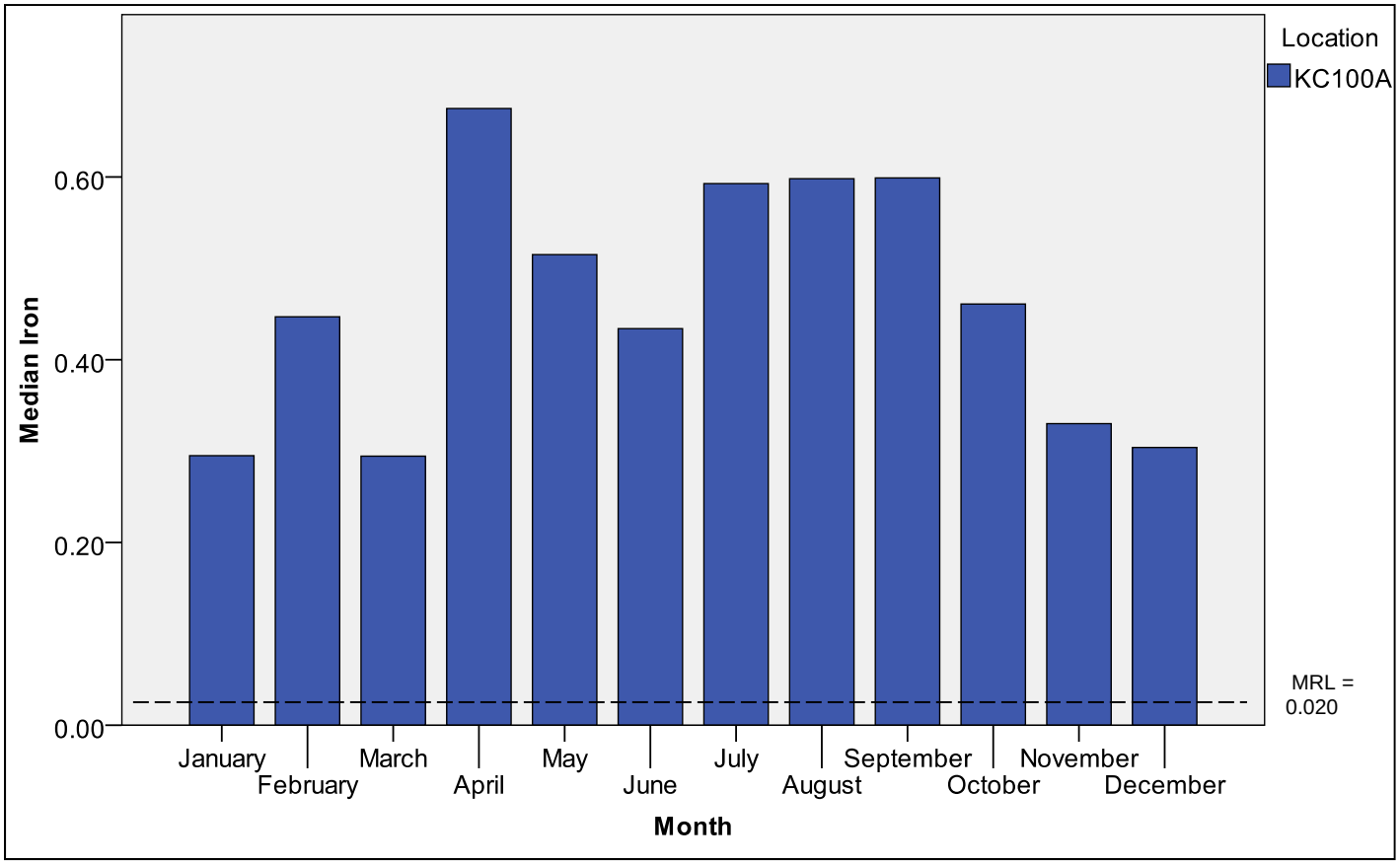


FIGURE 9.1-142
Iron Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

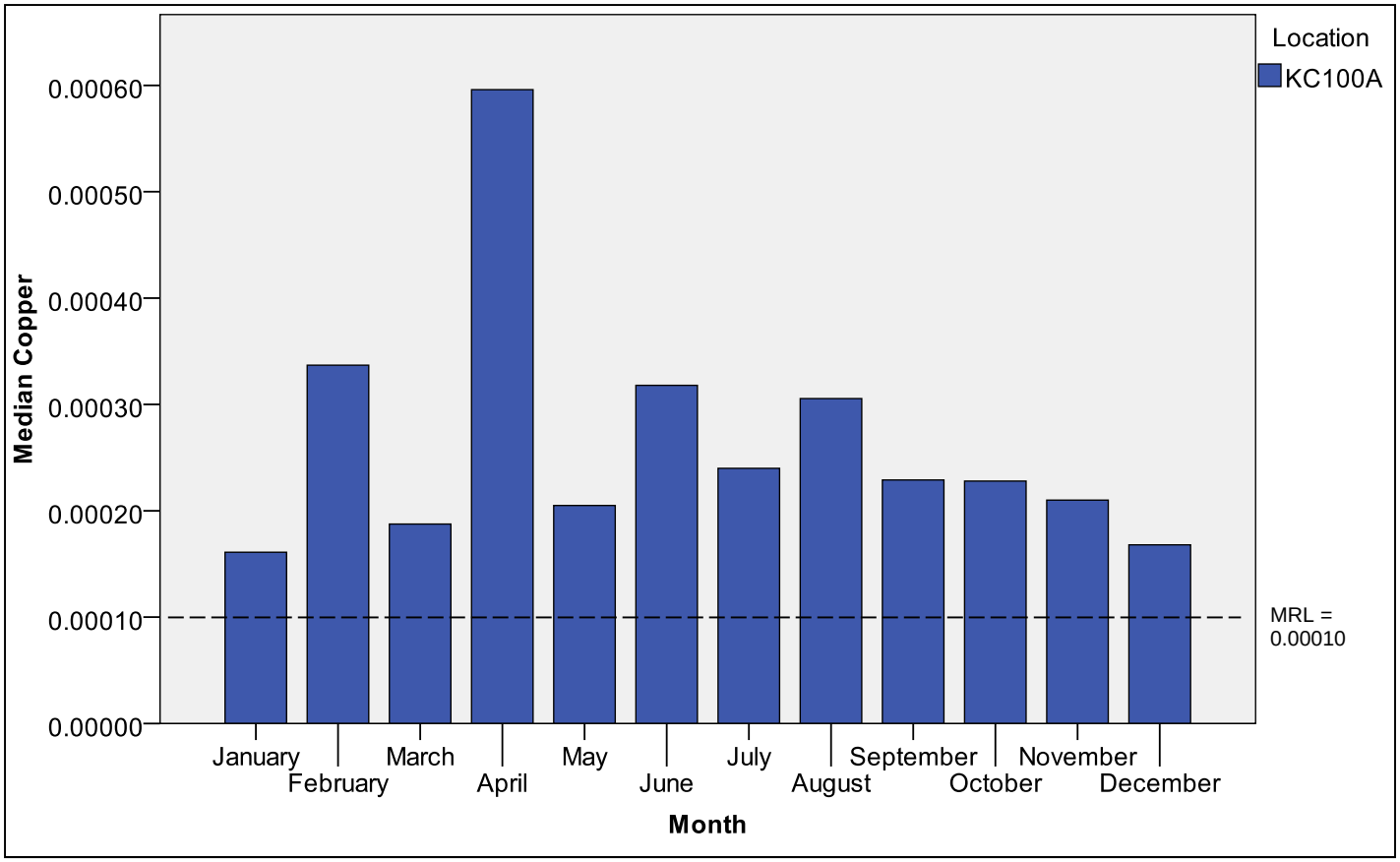


FIGURE 9.1-143
Copper Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

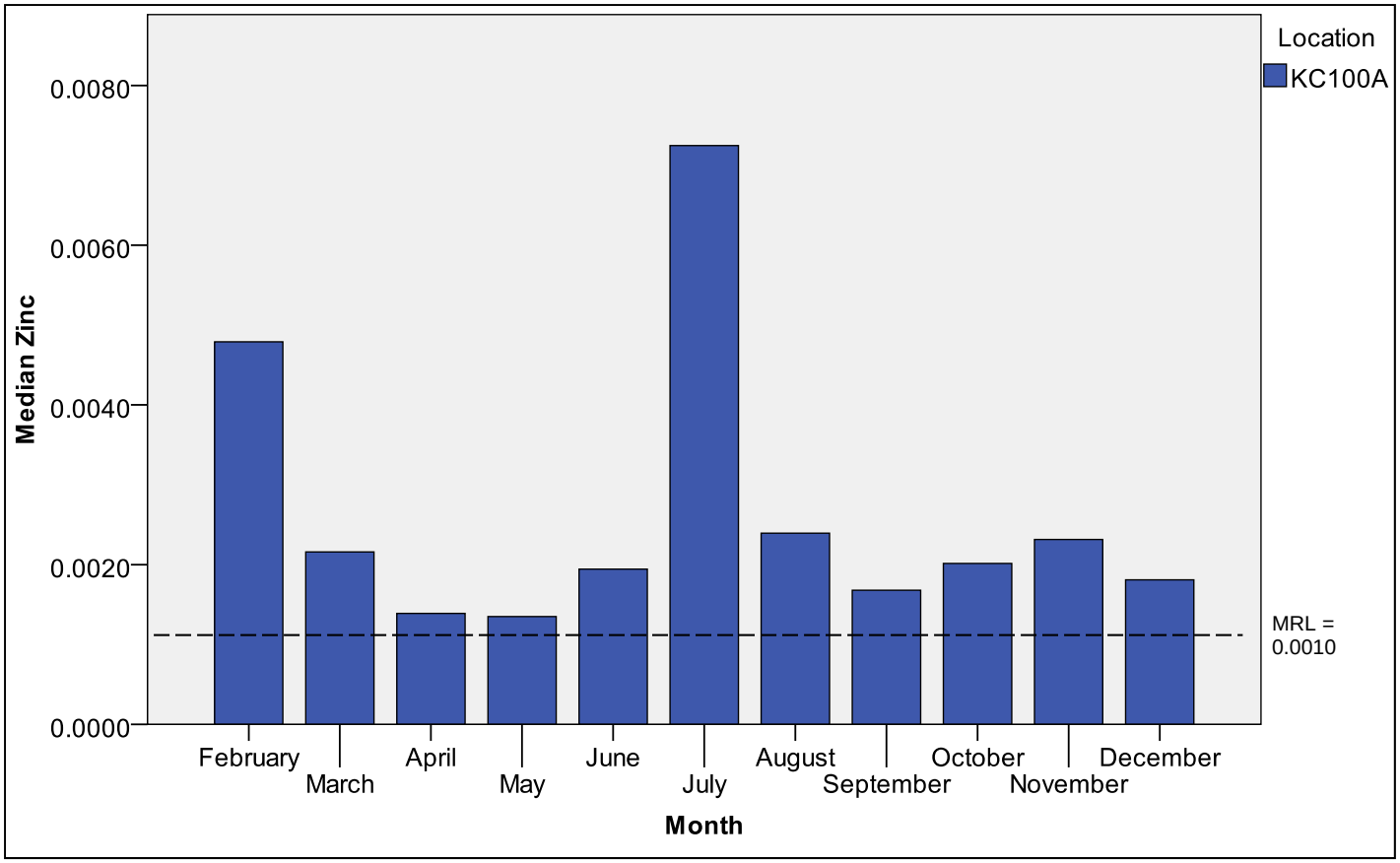


FIGURE 9.1-144
Zinc Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown. Zinc was not detected at location KC100A in January.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

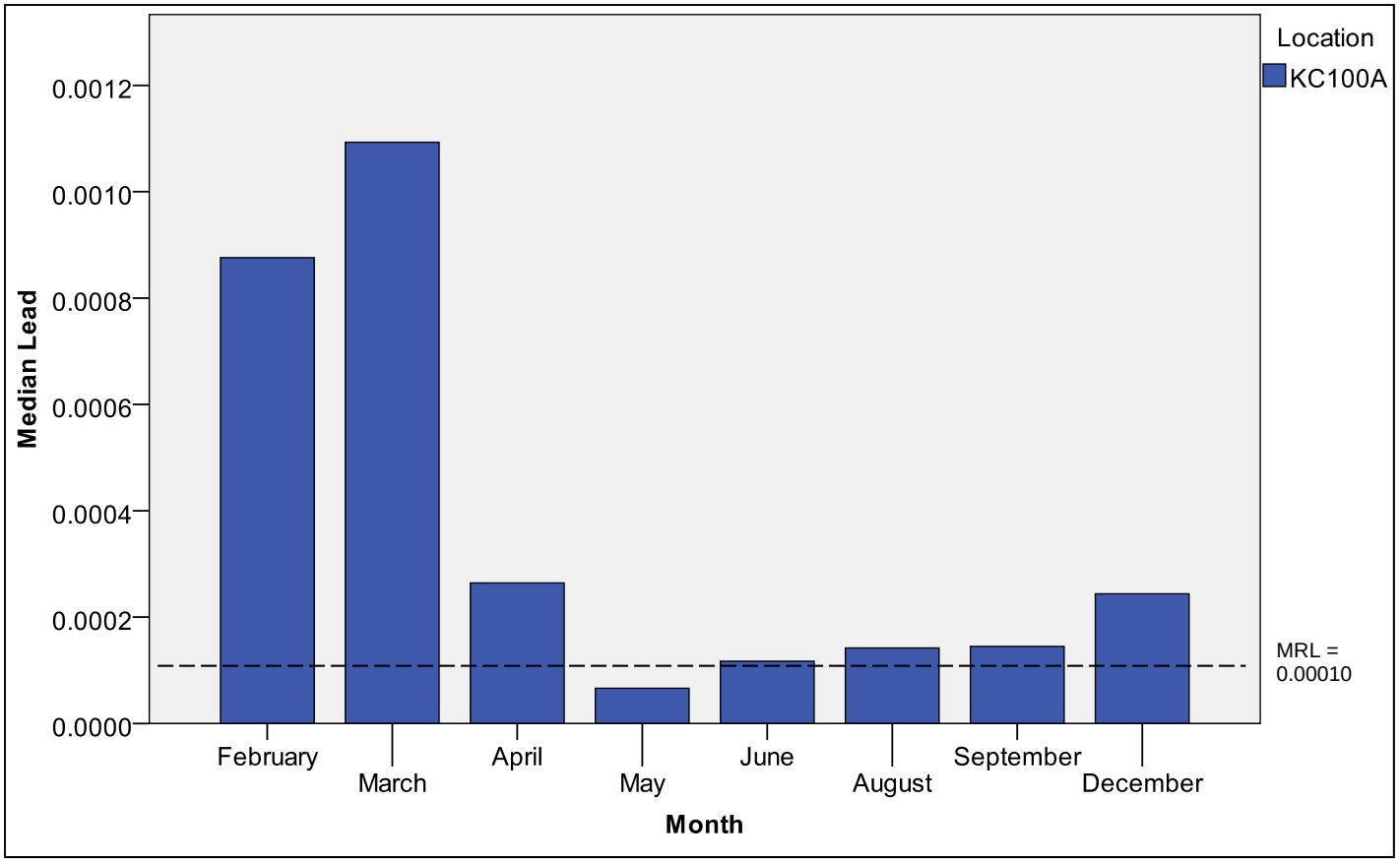


FIGURE 9.1-145
Lead Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each month.

Only detected values are shown. Lead was not detected at location KC100A in January, July, October, or November.

Analyte concentrations are in milligrams per liter (mg/L).

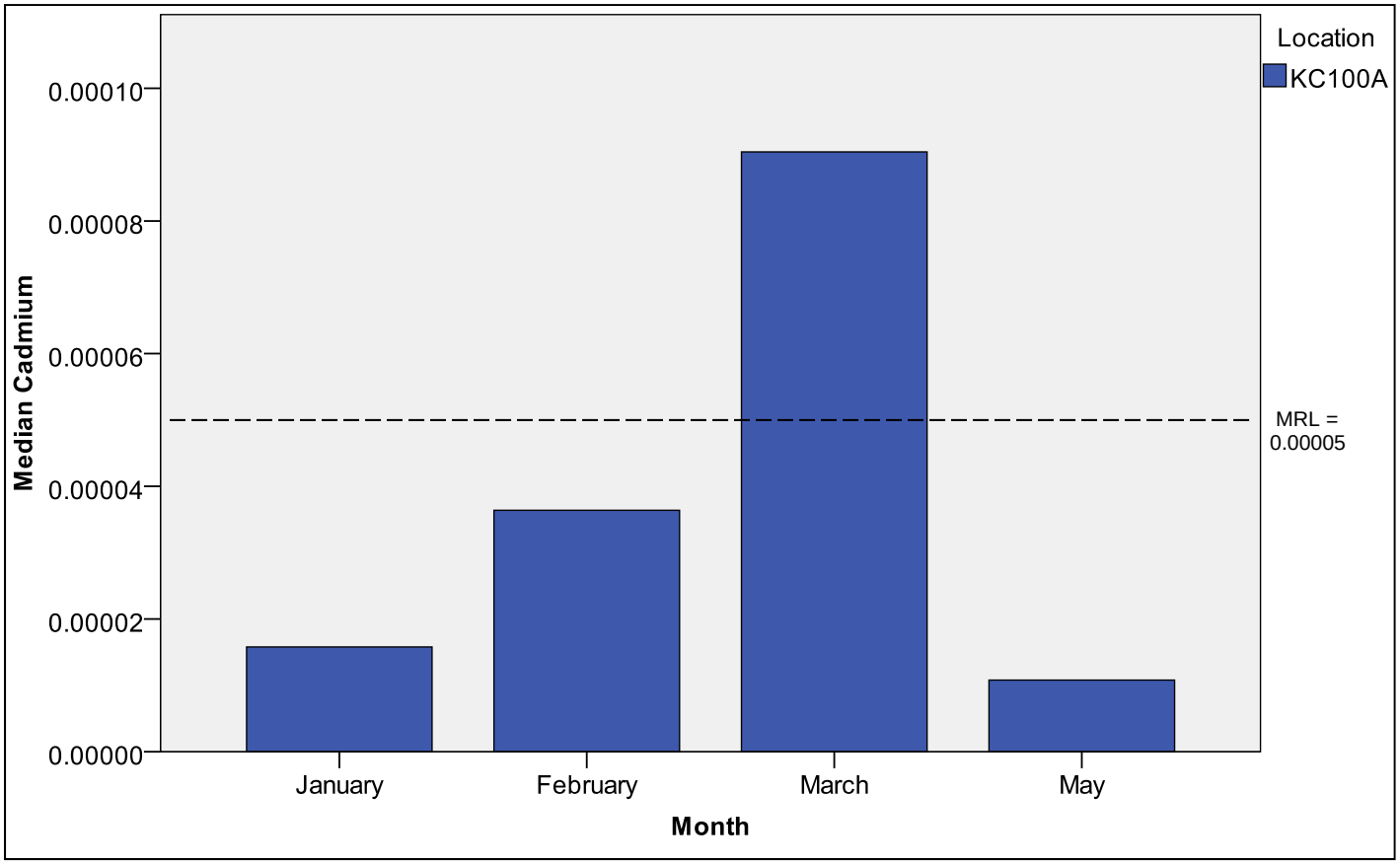


FIGURE 9.1-146
Cadmium Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown. Cadmium was not detected at location KC100A in April, June, July, August, September, October, November, or December.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

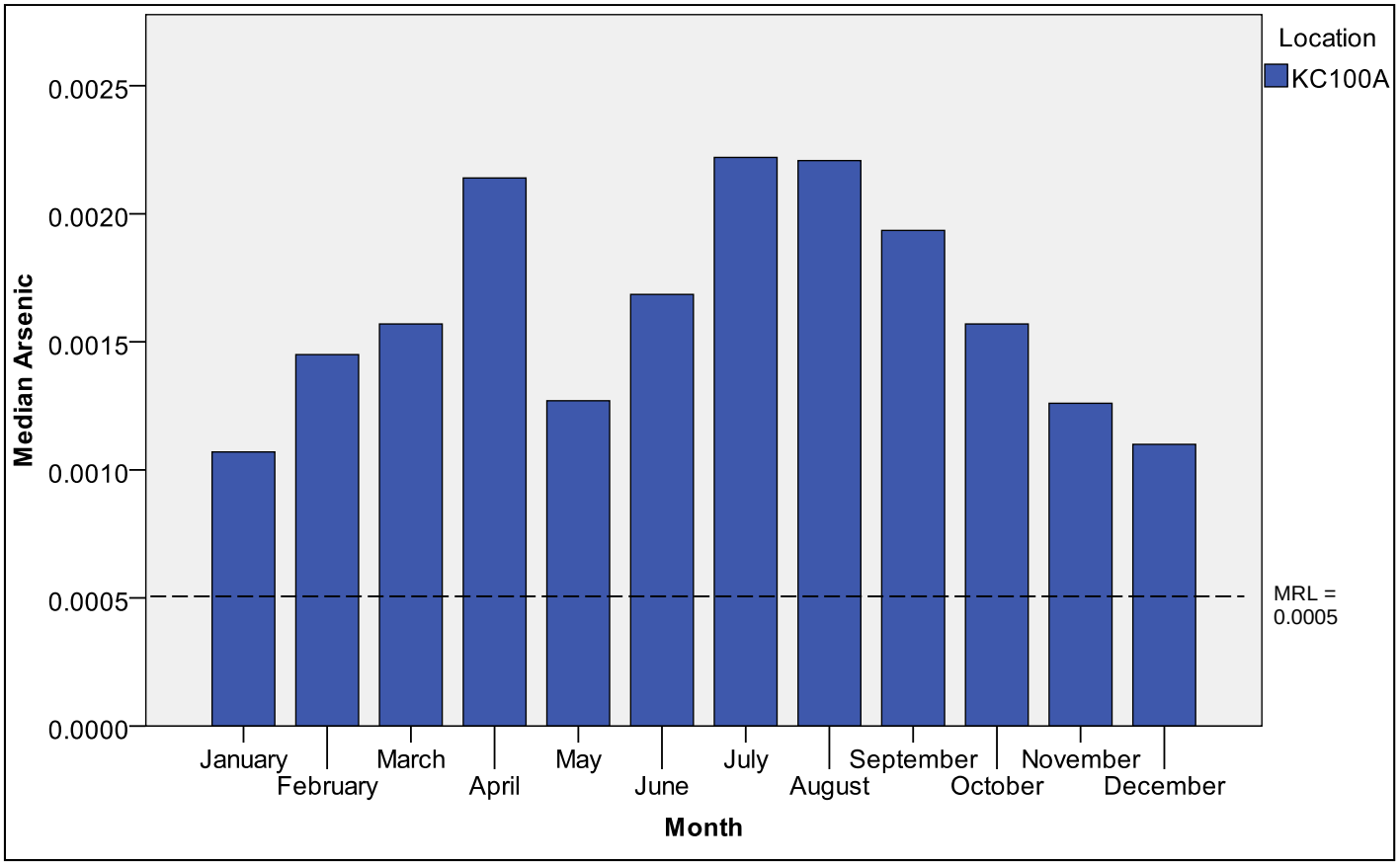


FIGURE 9.1-147
Arsenic Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

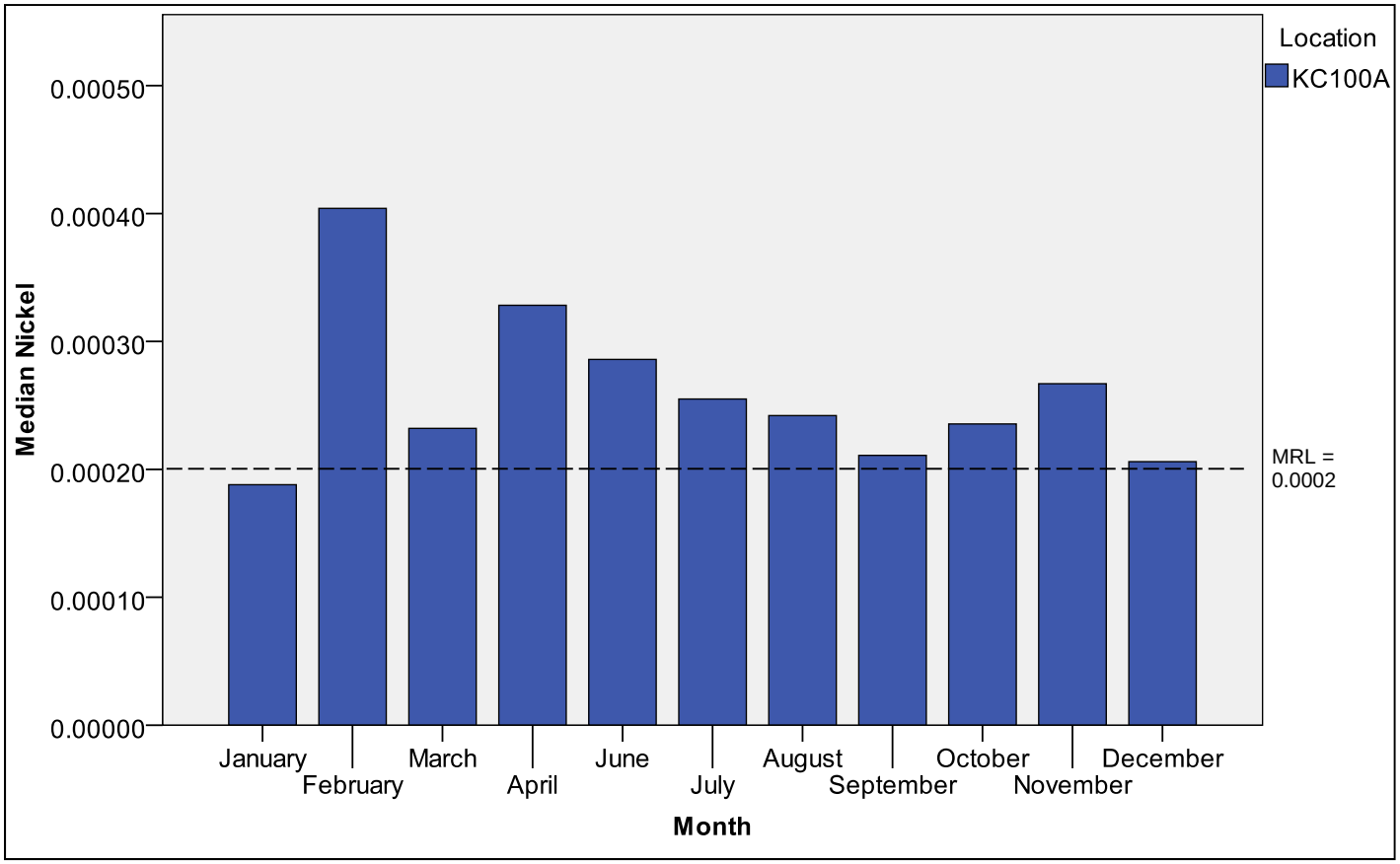


FIGURE 9.1-148
Nickel Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown. Nickel was not detected at location KC100A in May.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

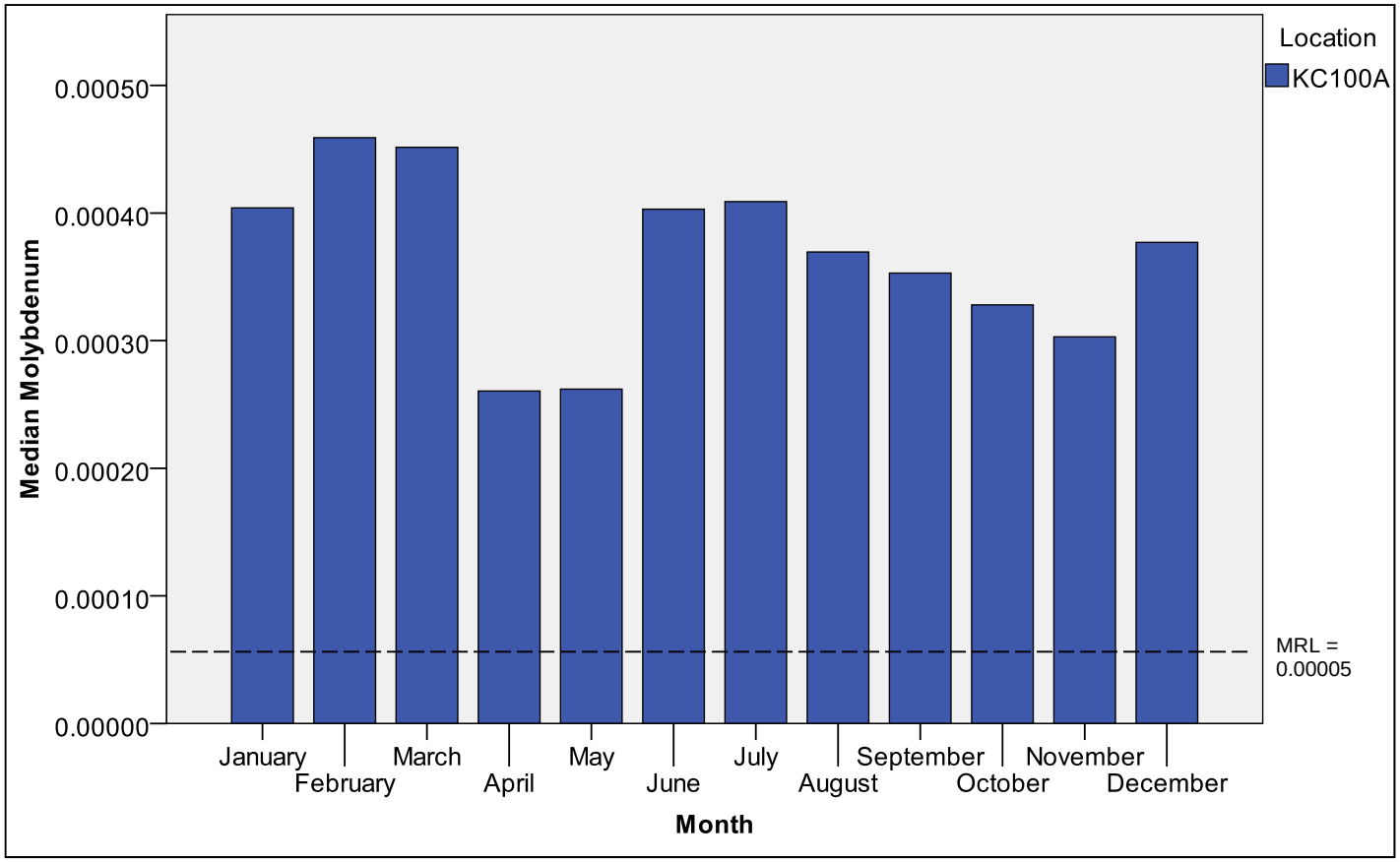


FIGURE 9.1-149
Molybdenum Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

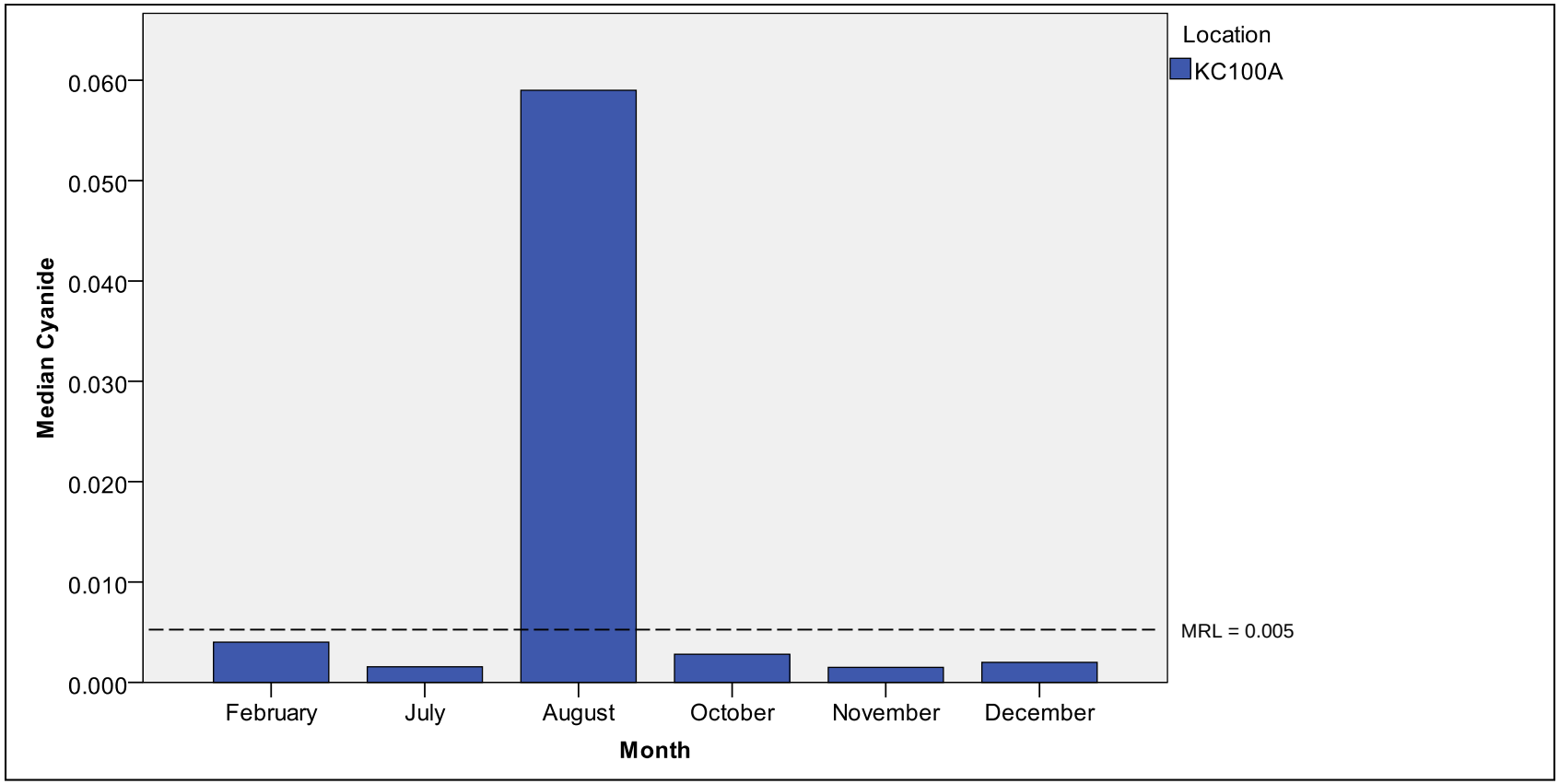


FIGURE 9.1-150
Total Cyanide Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:
Median concentrations are for all years (2004-2008) with available data for each month.
Only detected values are shown. Cyanide was not detected at location KC100A in January, March, April, May, June, or September.
Analyte concentrations are in milligrams per liter (mg/L).
MRL = method reporting limit.

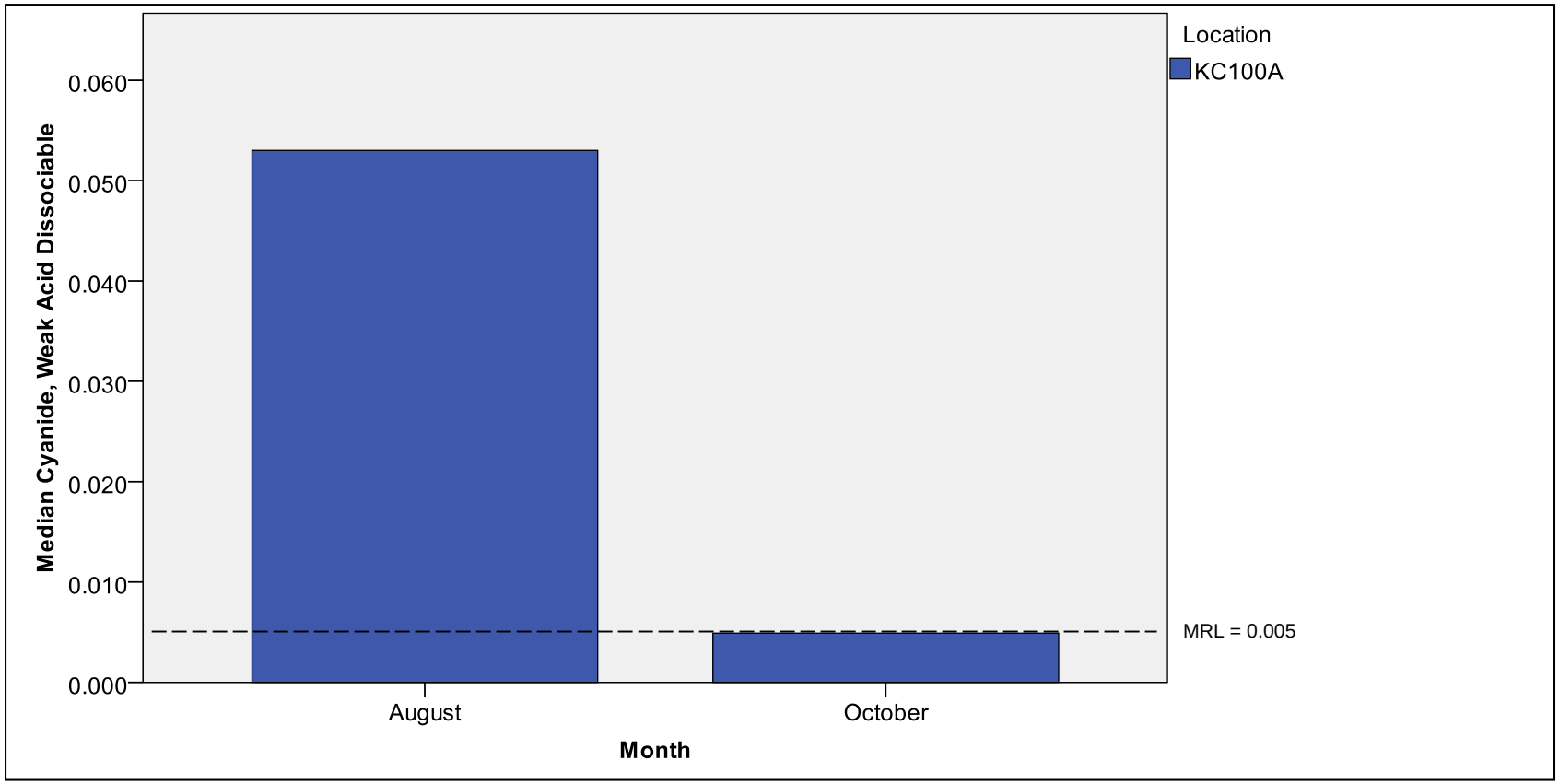


FIGURE 9.1-151
Cyanide, Weak Acid Dissociable (WAD) Surface Water Concentrations by Month, Kaskanak Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each month.

Only detected values are shown. Cyanide (Weak Acid Dissociable) was not detected at location KC100A in January, February, March, April, May, June, July, September, November, or December.

Analyte concentrations are in milligrams per liter (mg/L).

MRL = method reporting limit.

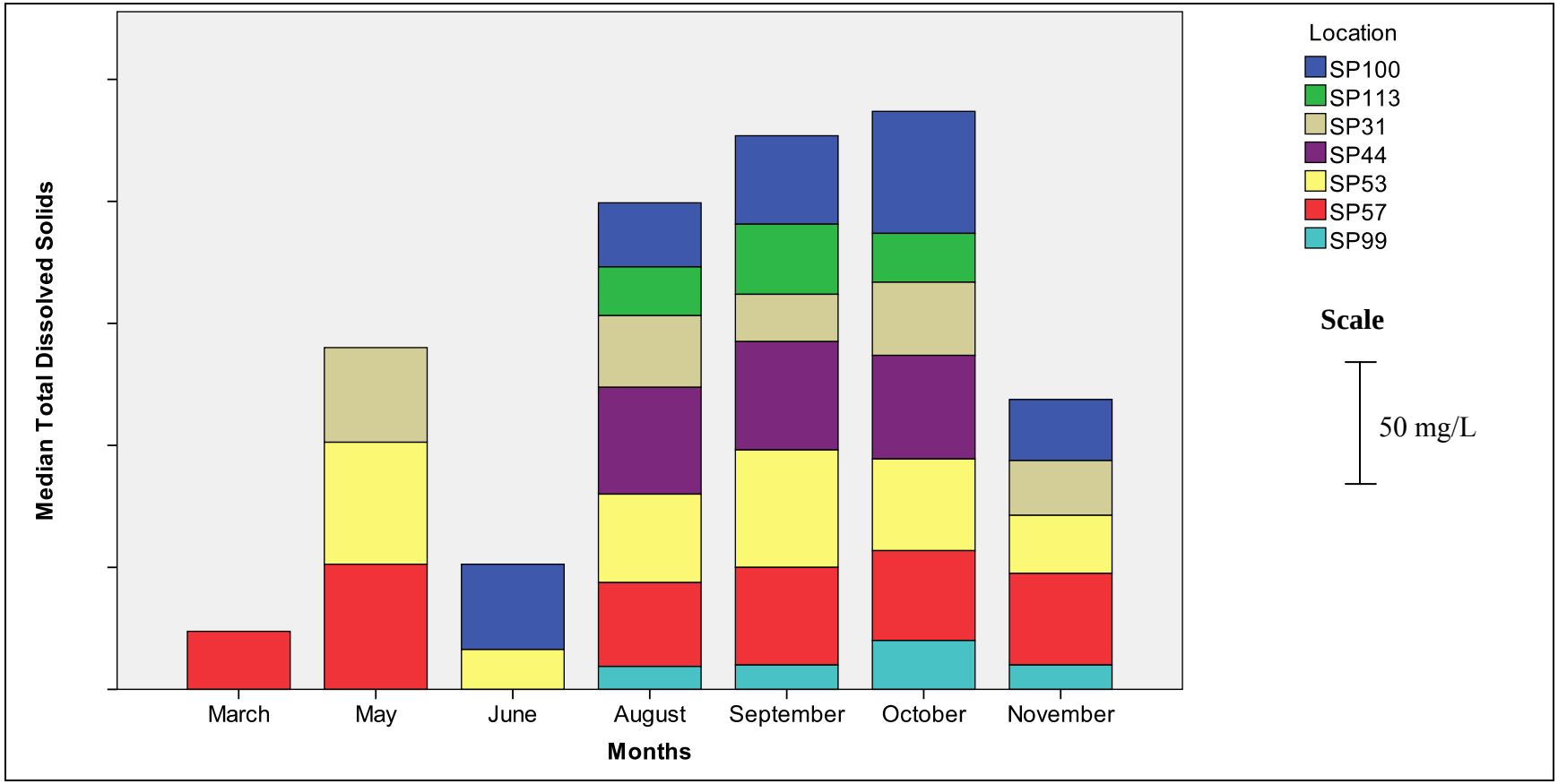


FIGURE 9.1-152
Total Dissolved Solids Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

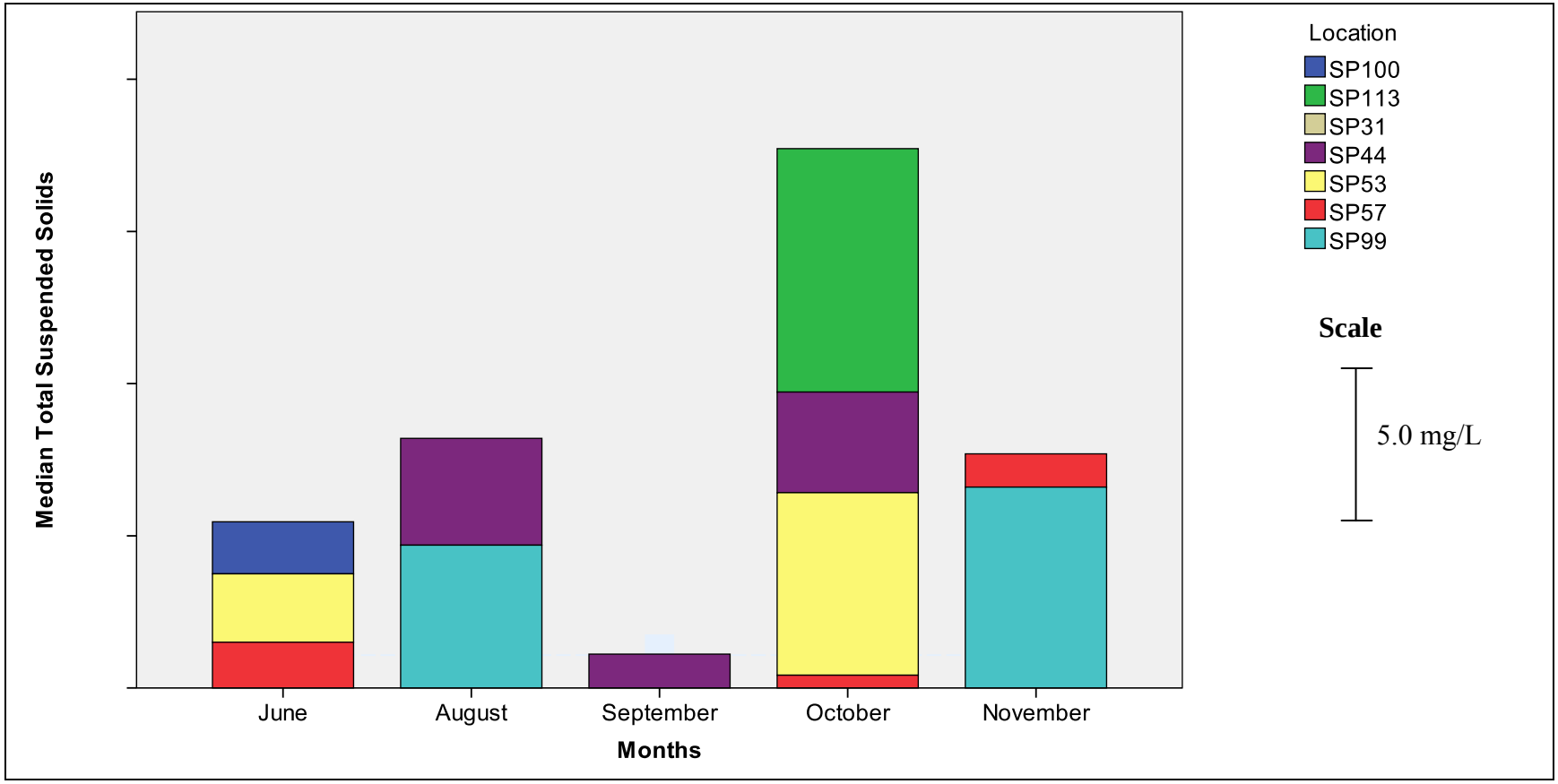


FIGURE 9.1-153
Total Suspended Solids Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.08 mg/L.

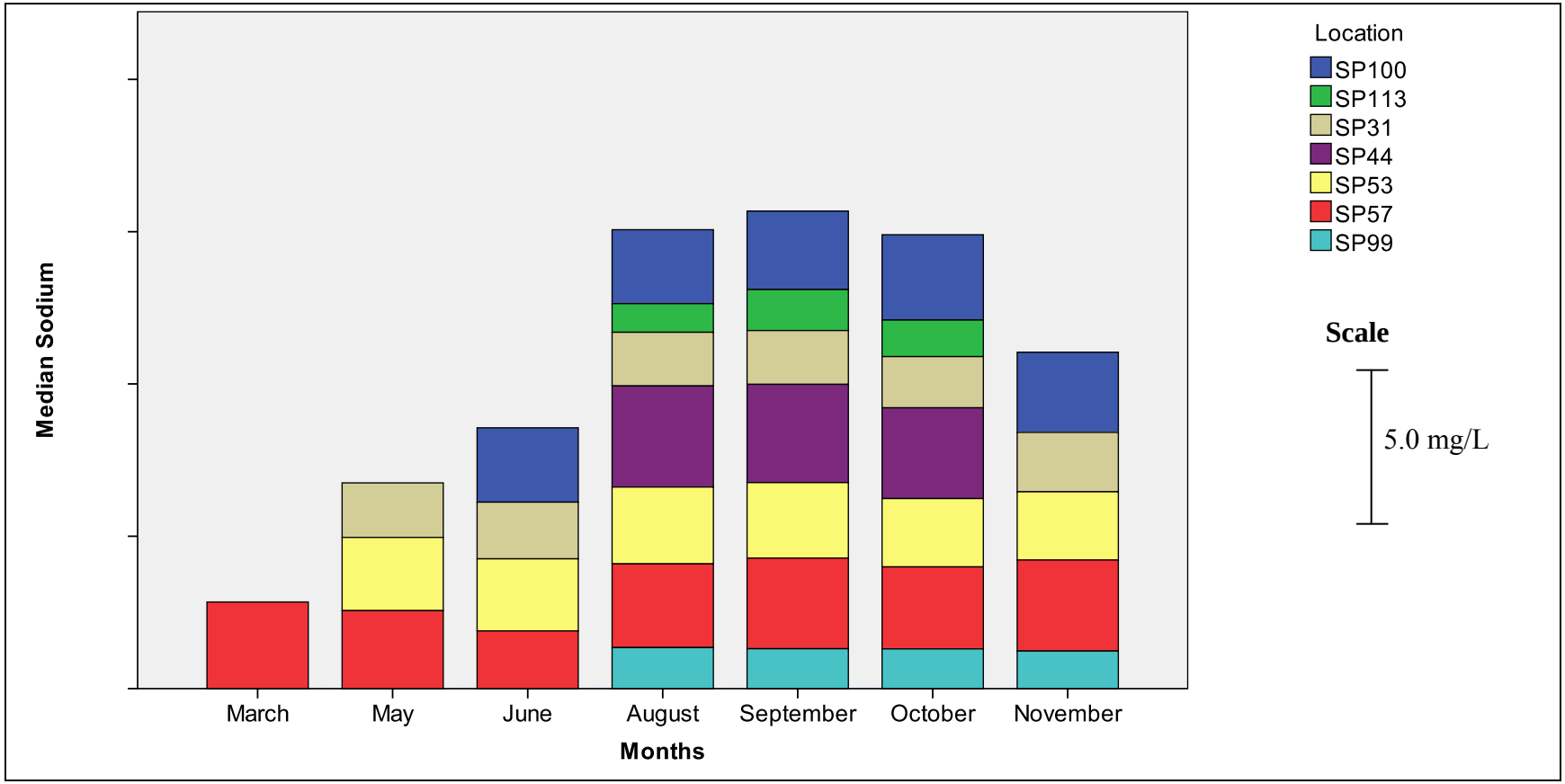


FIGURE 9.1-154
Sodium Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

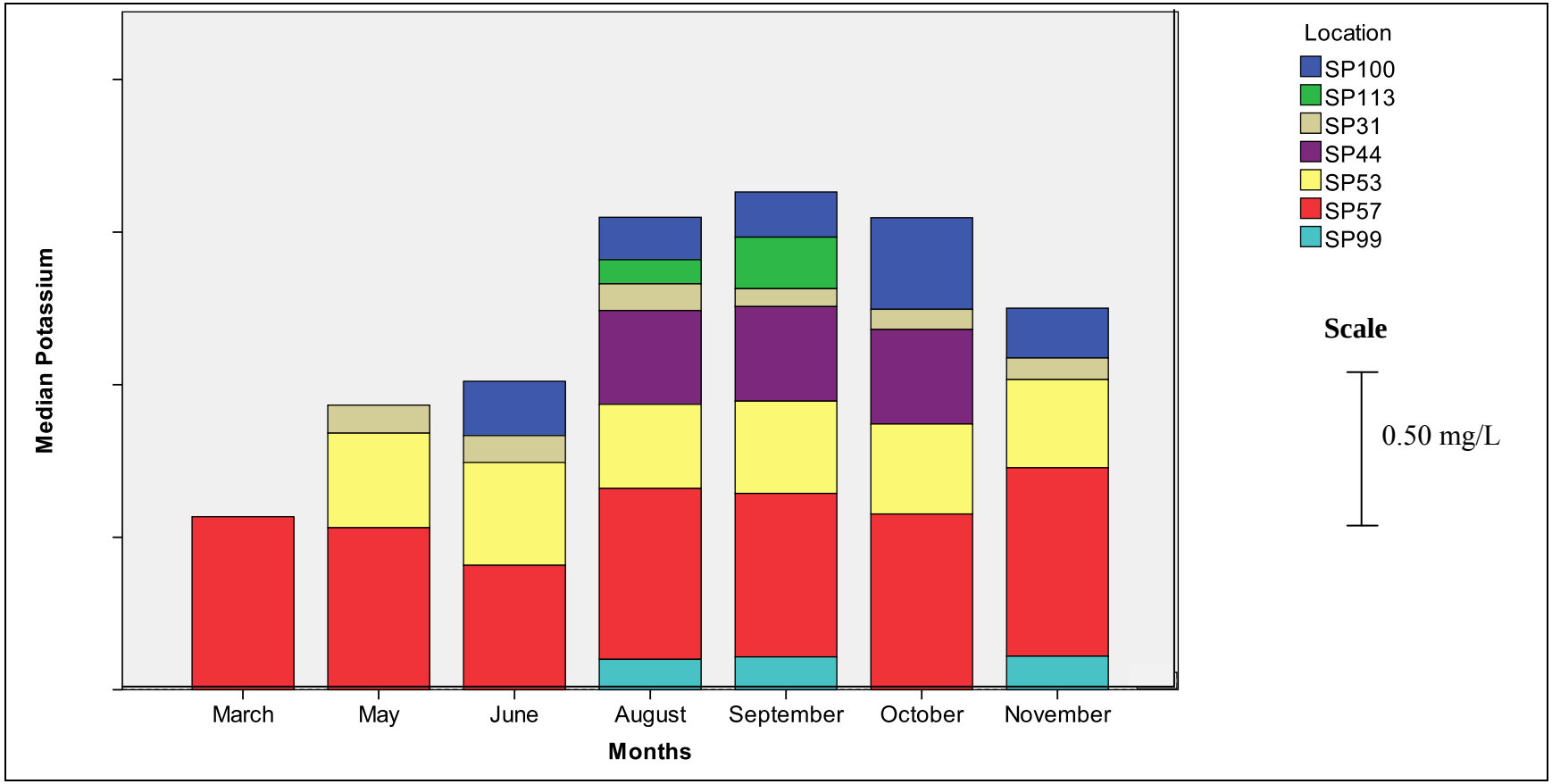


FIGURE 9.1-155
Potassium Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0010 mg/L.

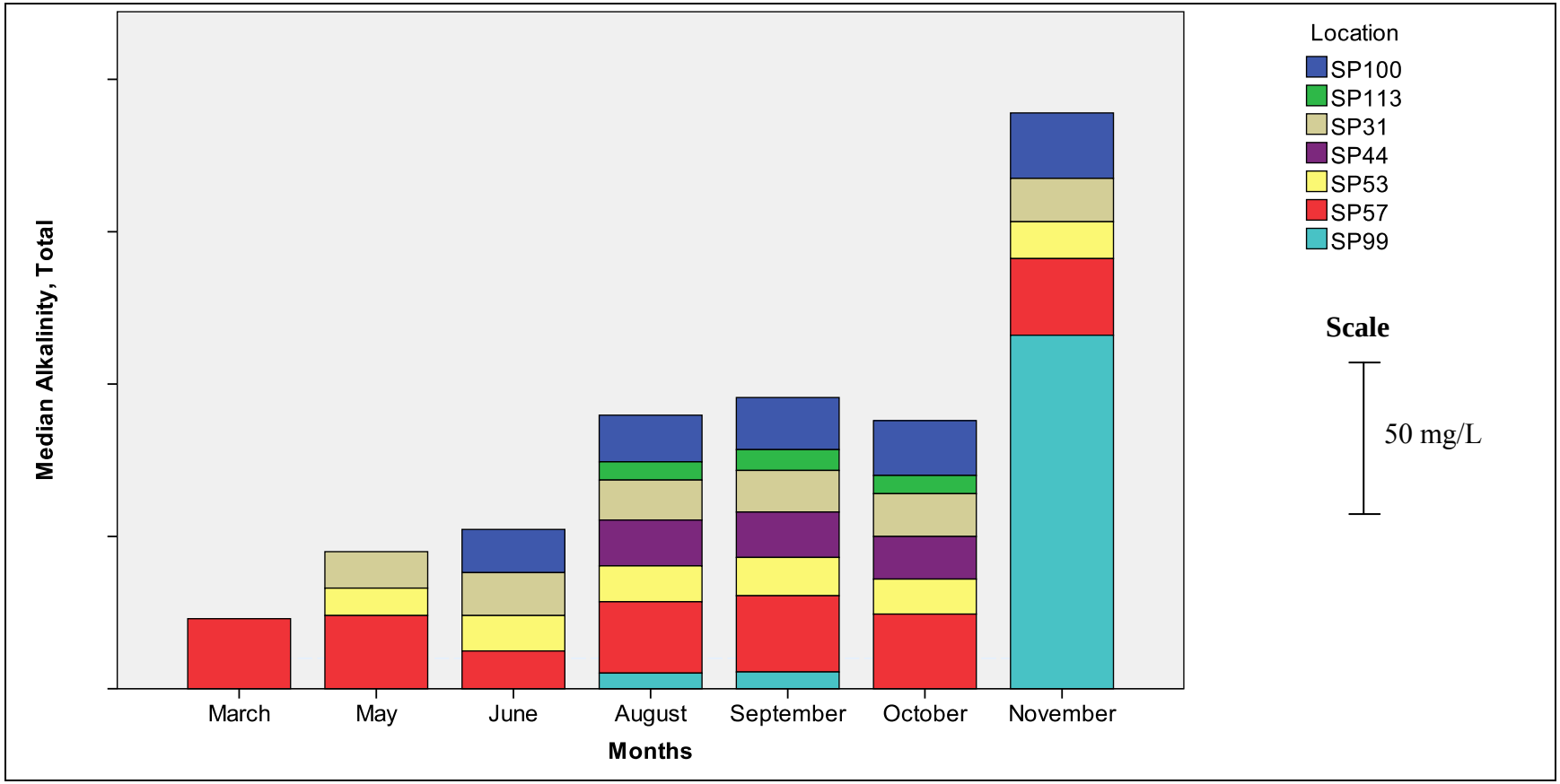


FIGURE 9.1-156
Alkalinity Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

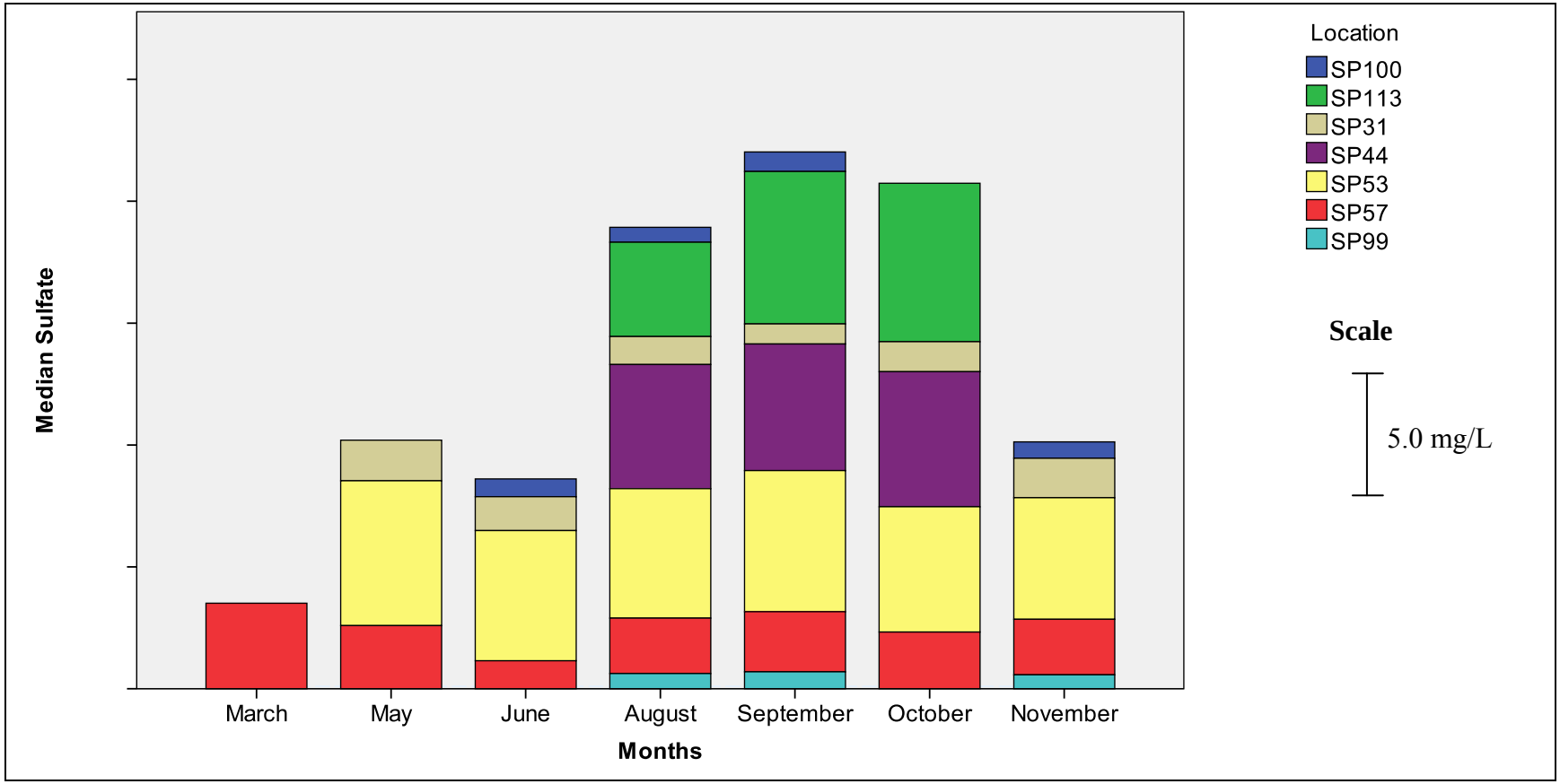


FIGURE 9.1-157
Sulfate Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

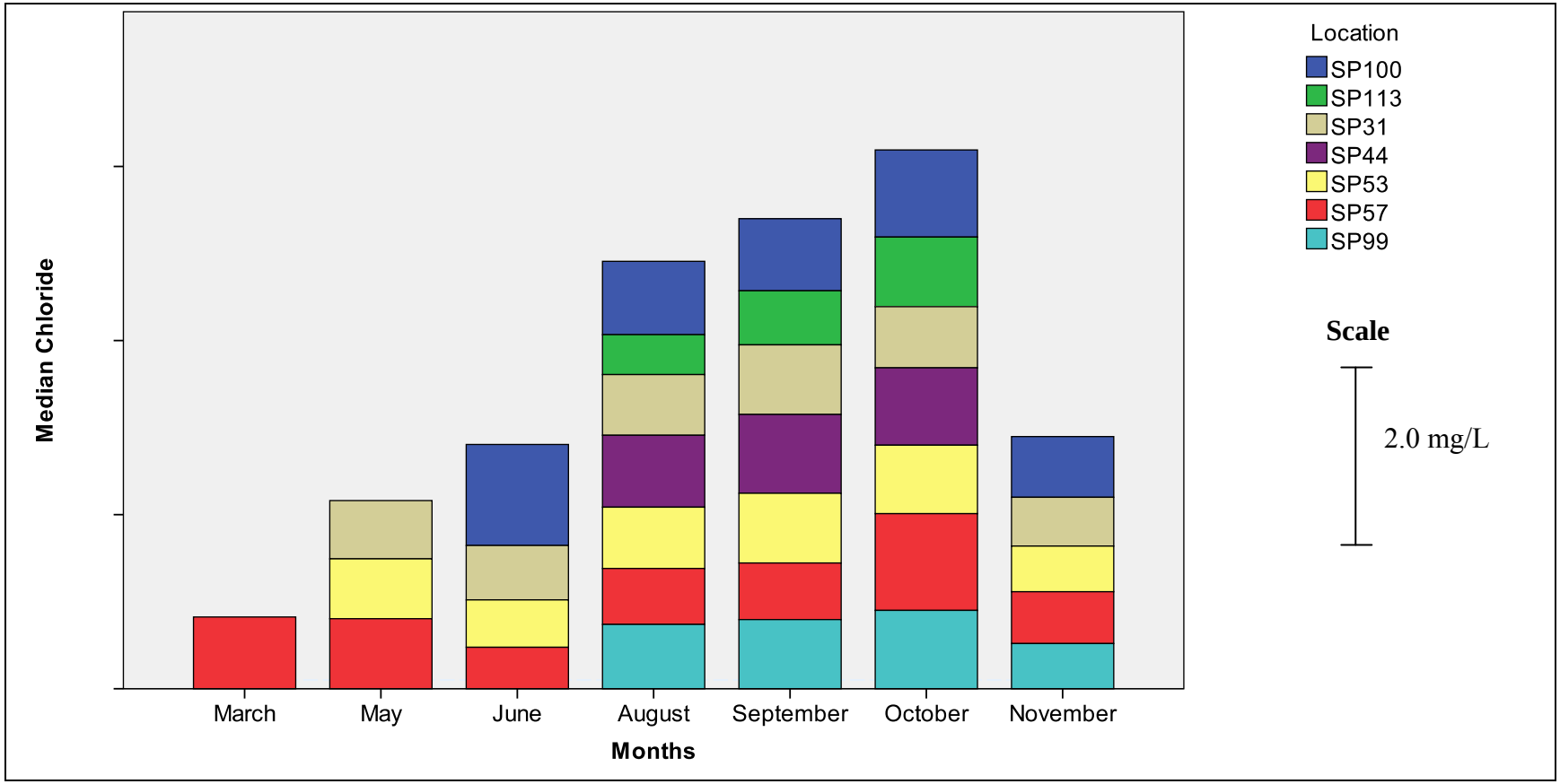


FIGURE 9.1-158
Chloride Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

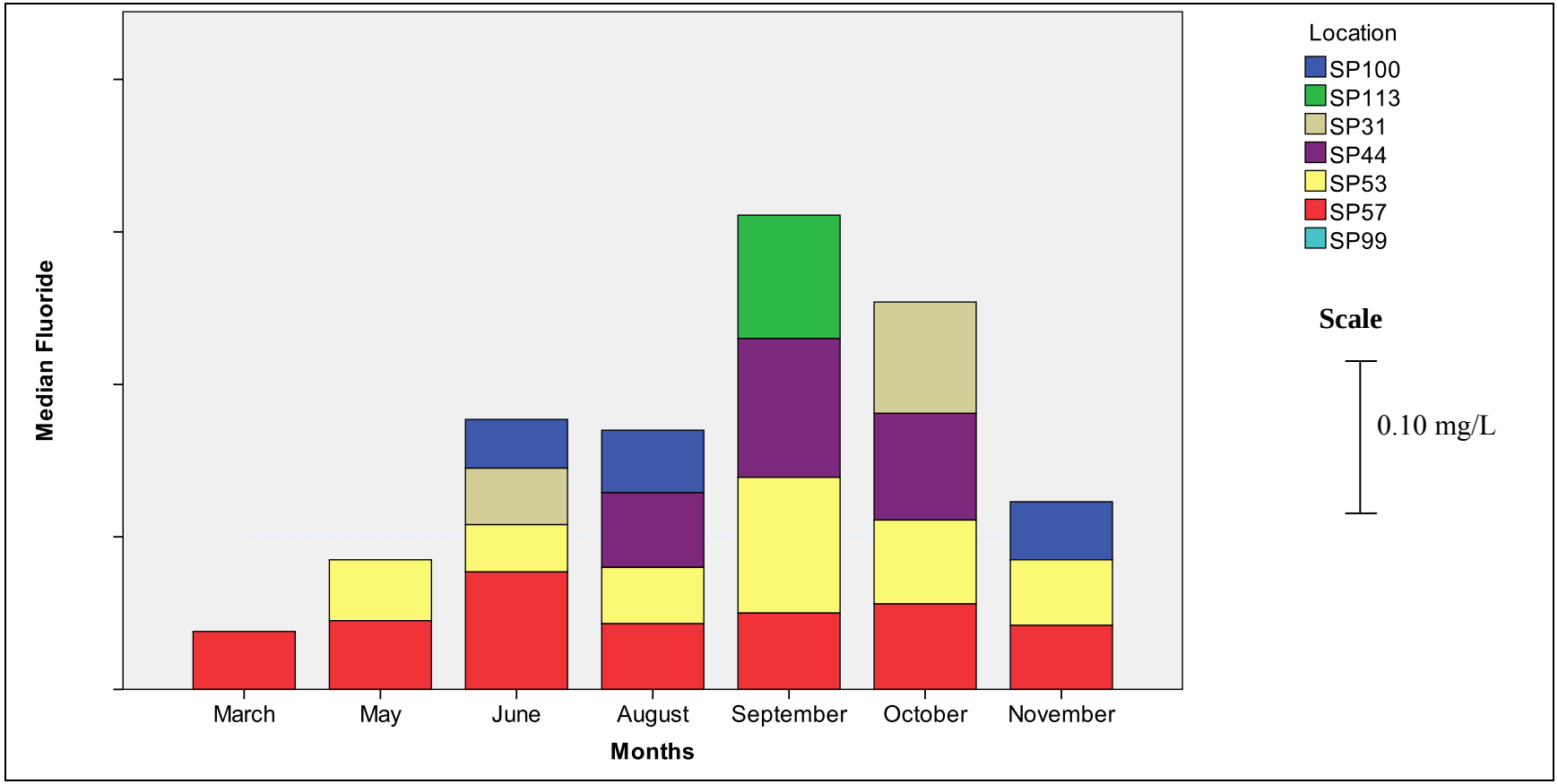


FIGURE 9.1-159
Fluoride Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

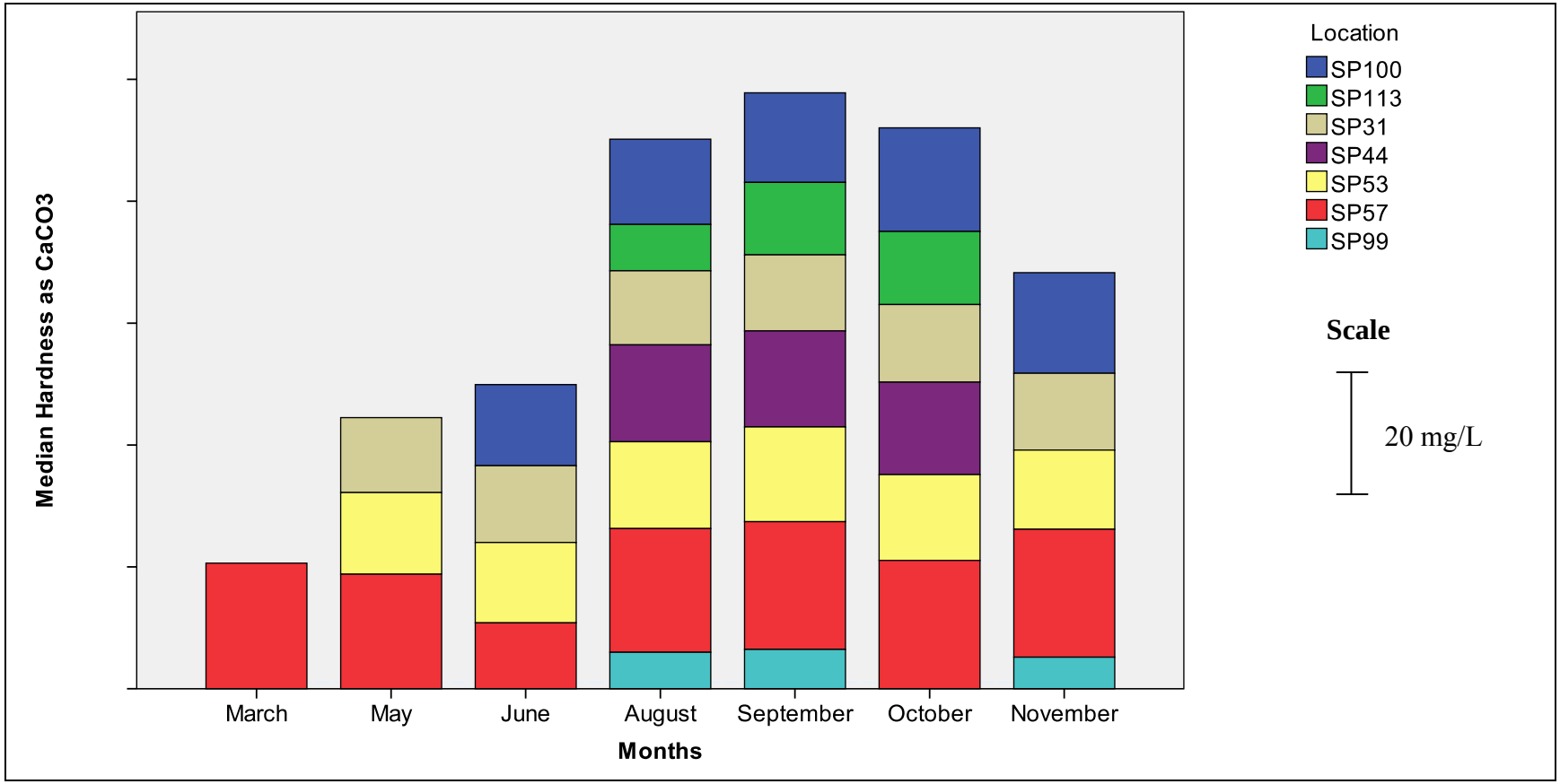


FIGURE 9.1-160
Hardness as $CaCO_3$ Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.0 mg/L.

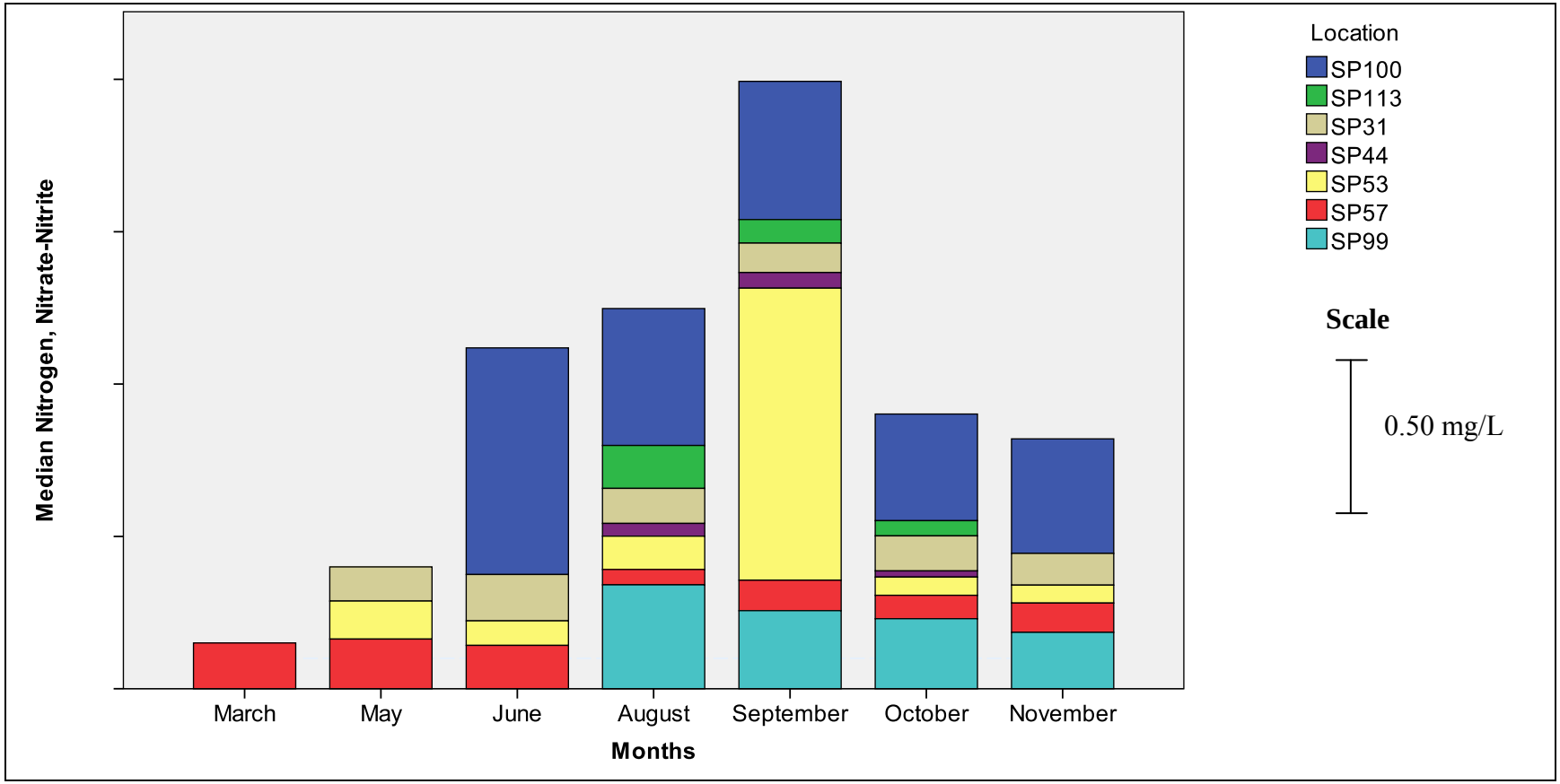


FIGURE 9.1-161
Total Nitrate+Nitrite (as N) Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

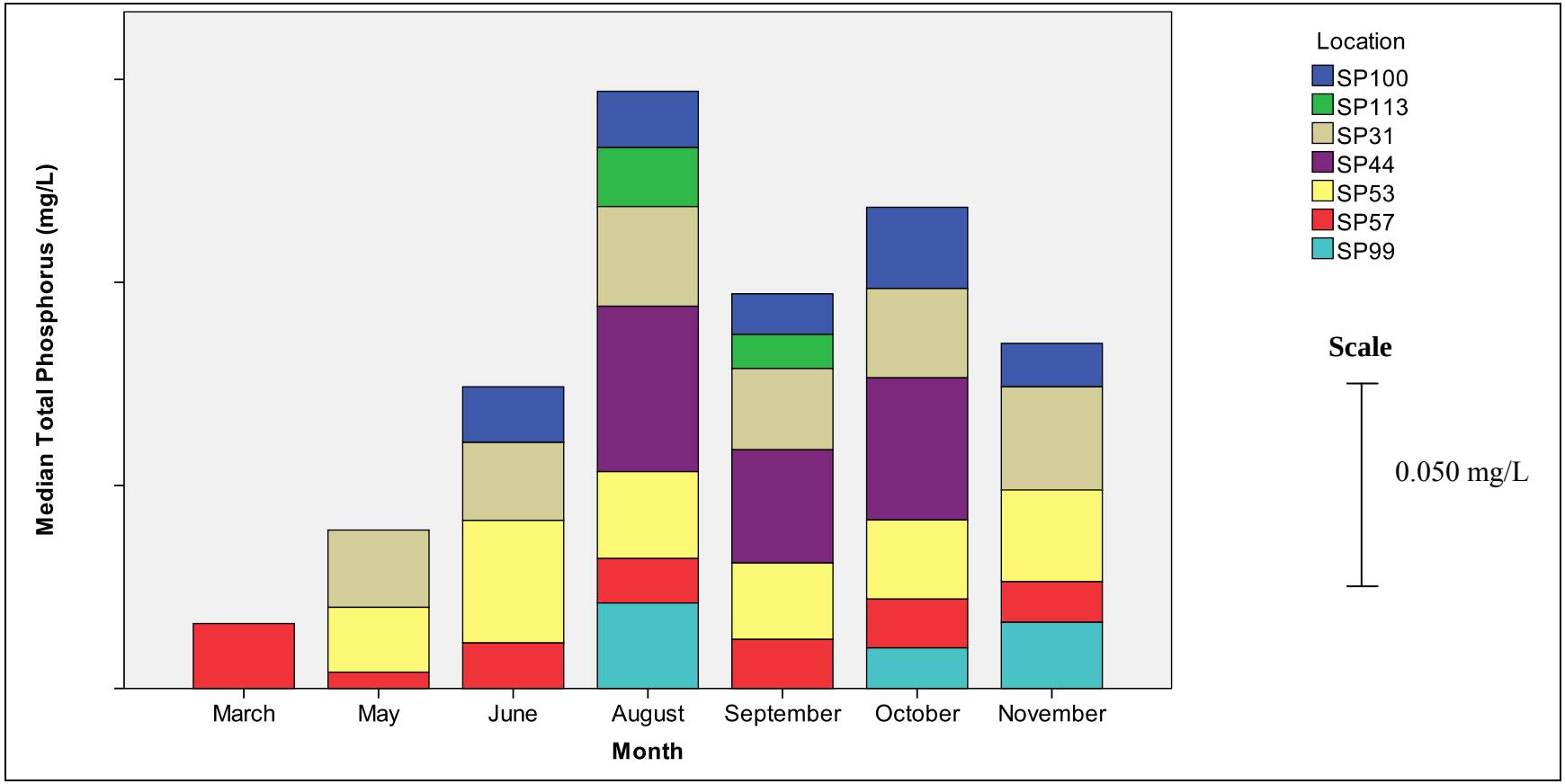


FIGURE 9.1-162
Total Phosphorus Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.010 mg/L.

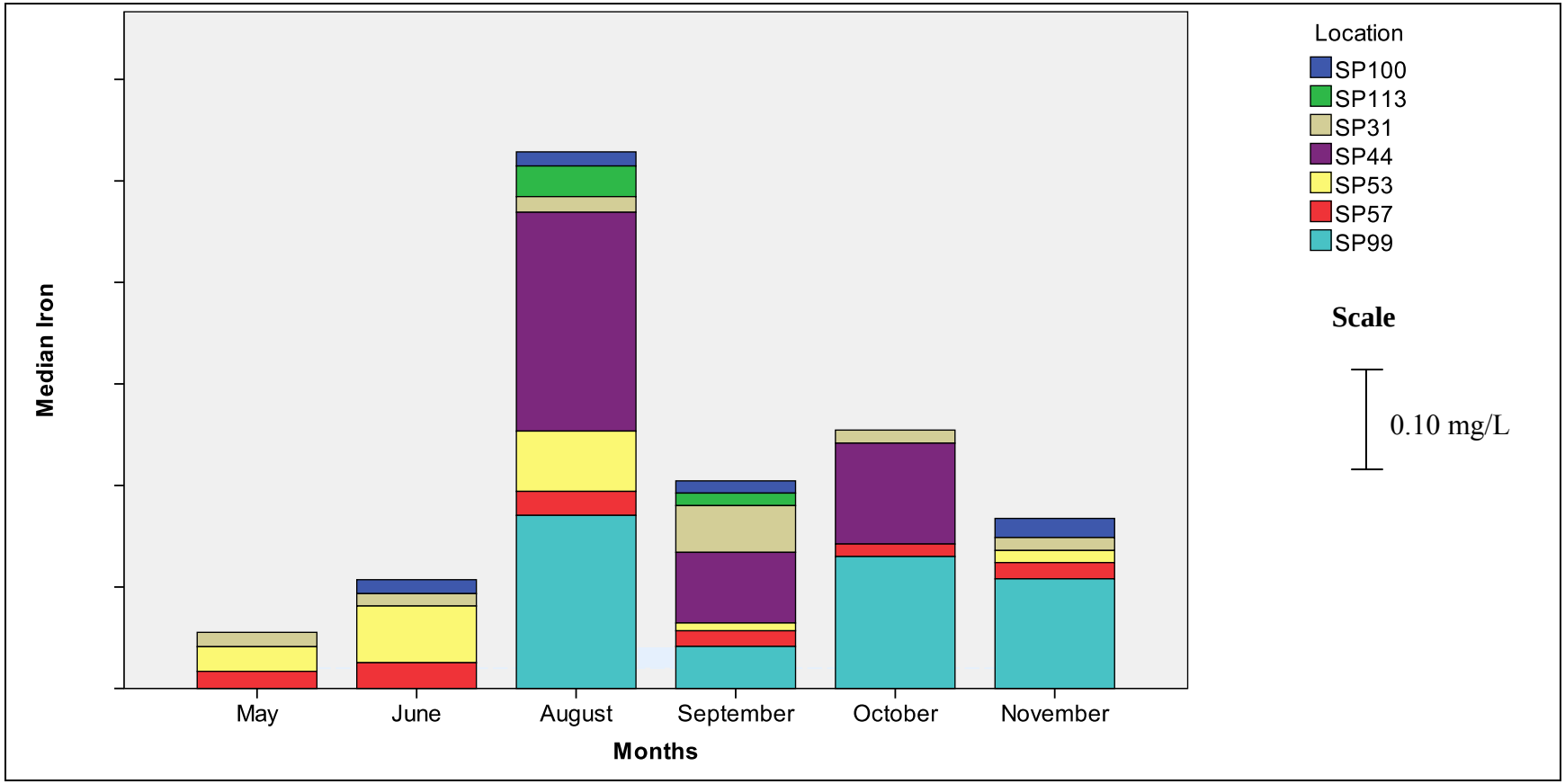


FIGURE 9.1-163
Iron Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.020 mg/L.

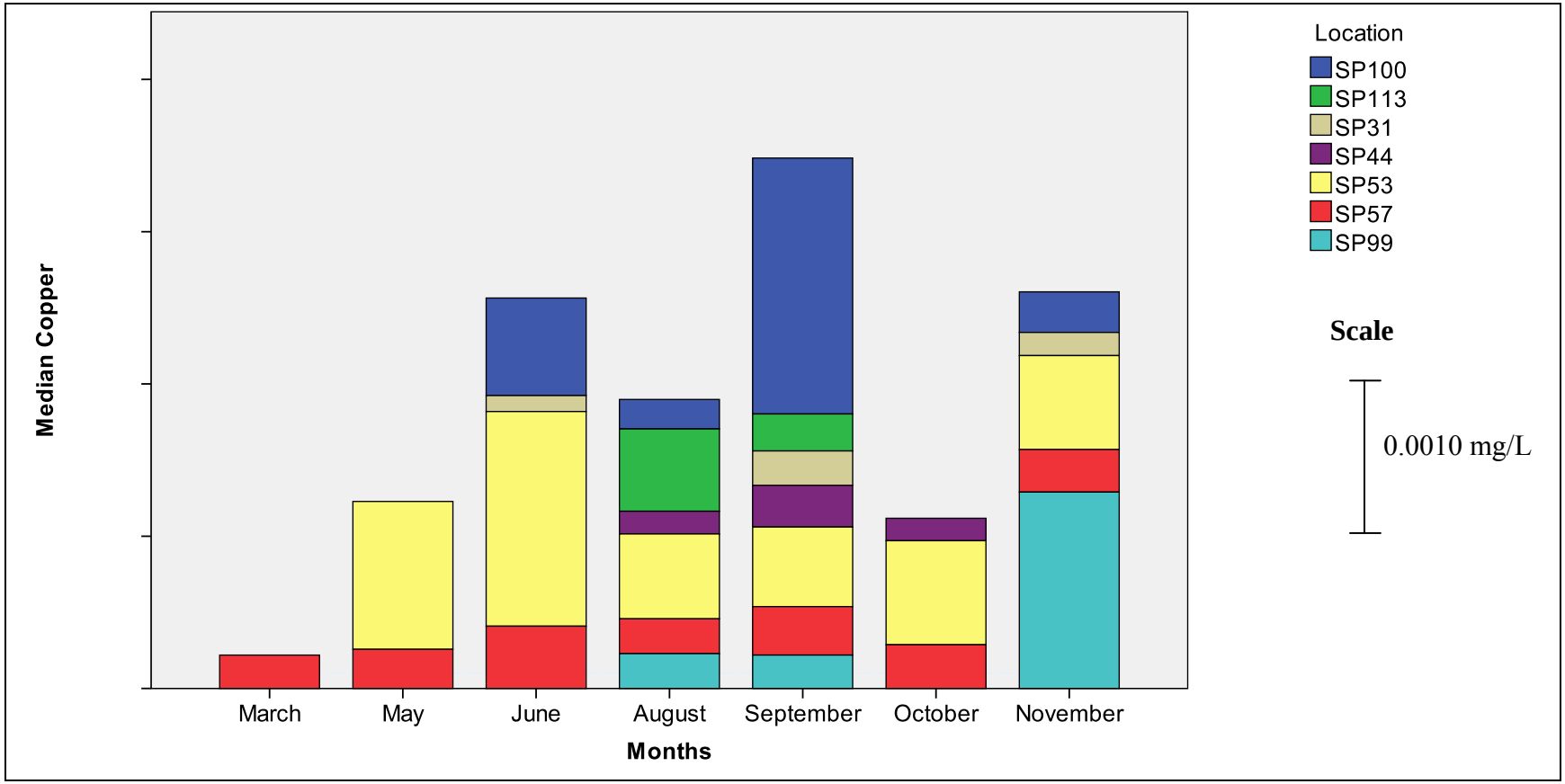


FIGURE 9.1-164
Copper Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

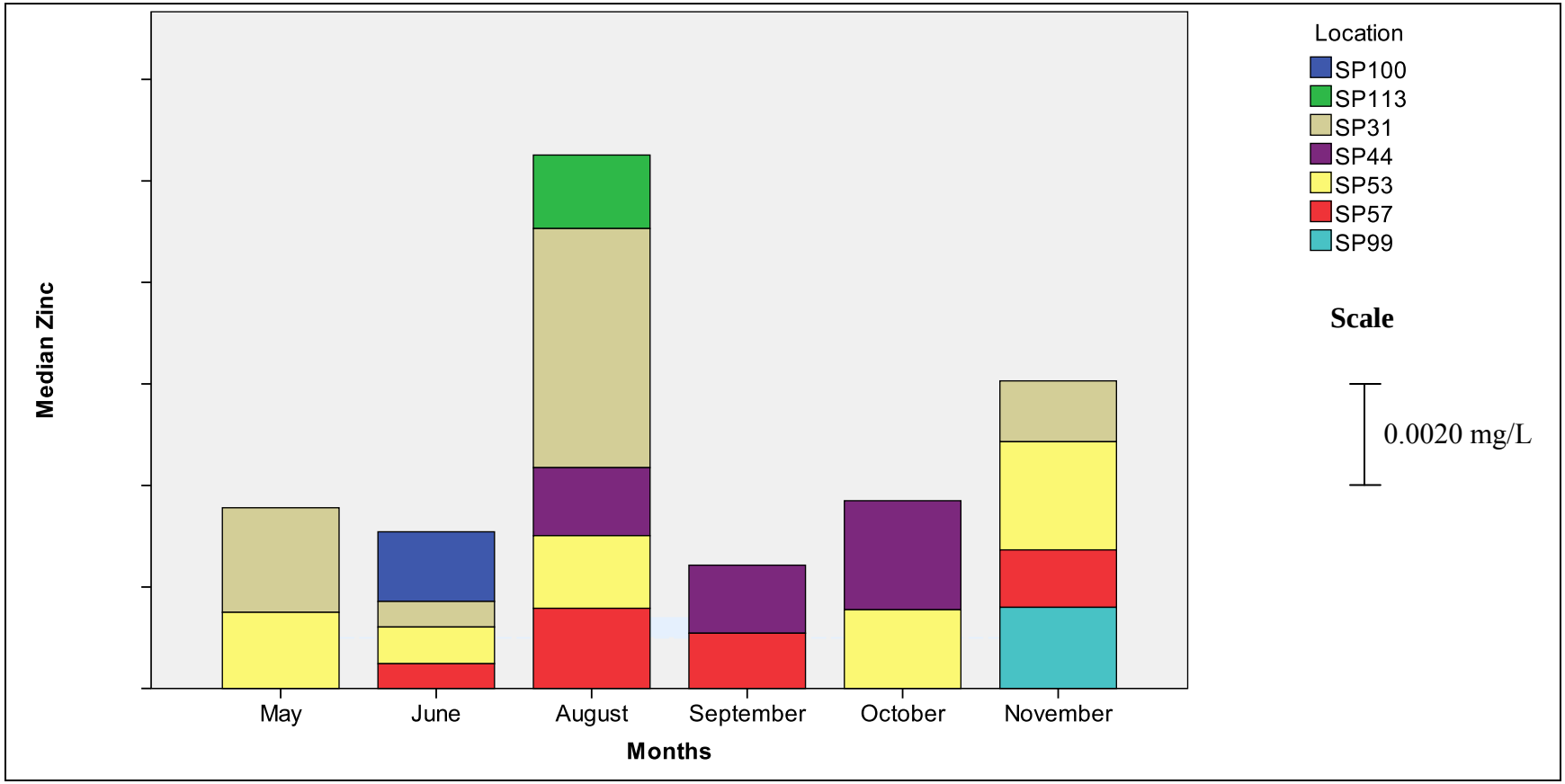


FIGURE 9.1-165
Zinc Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0010 mg/L.

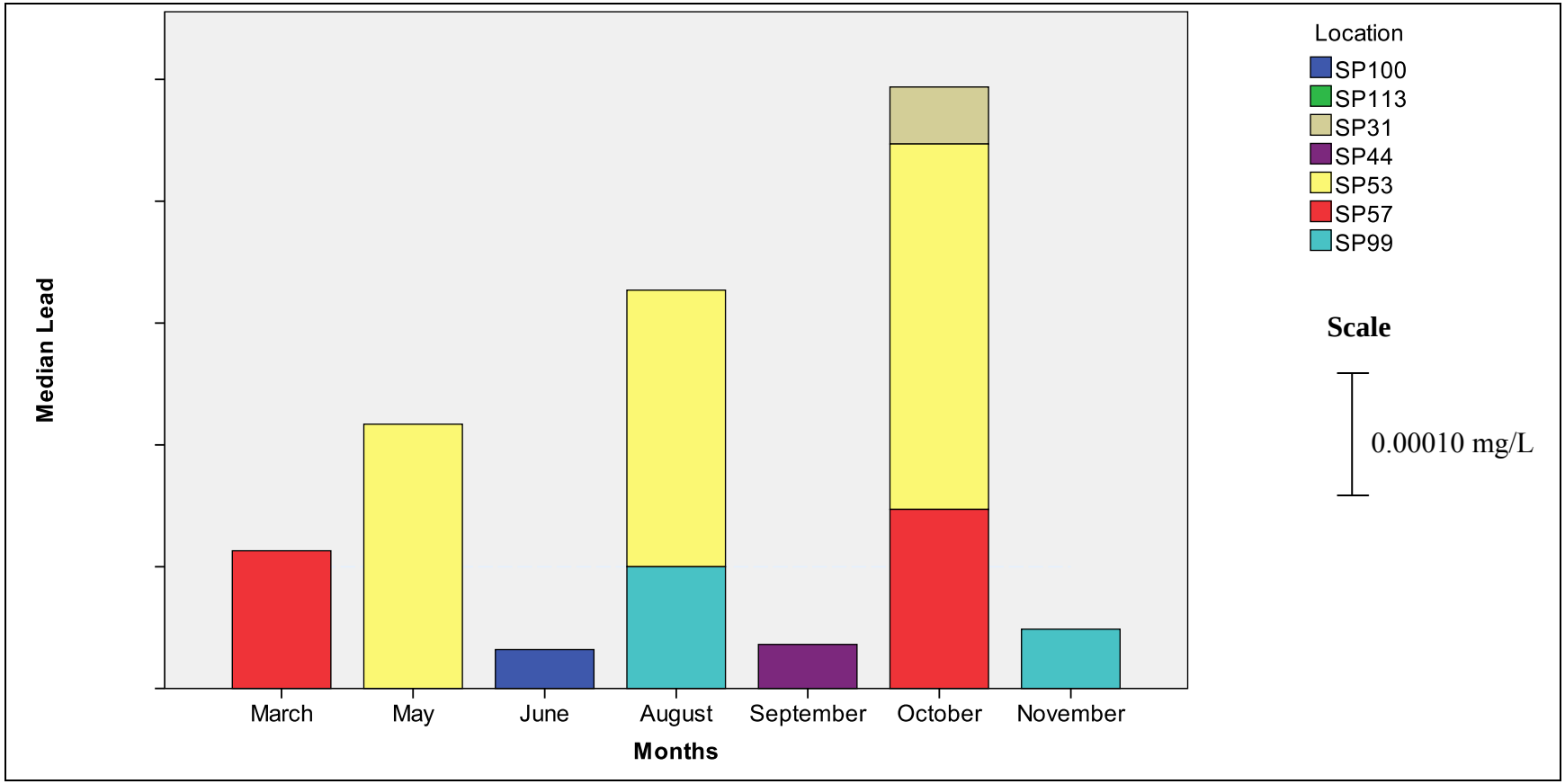


FIGURE 9.1-166
Lead Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

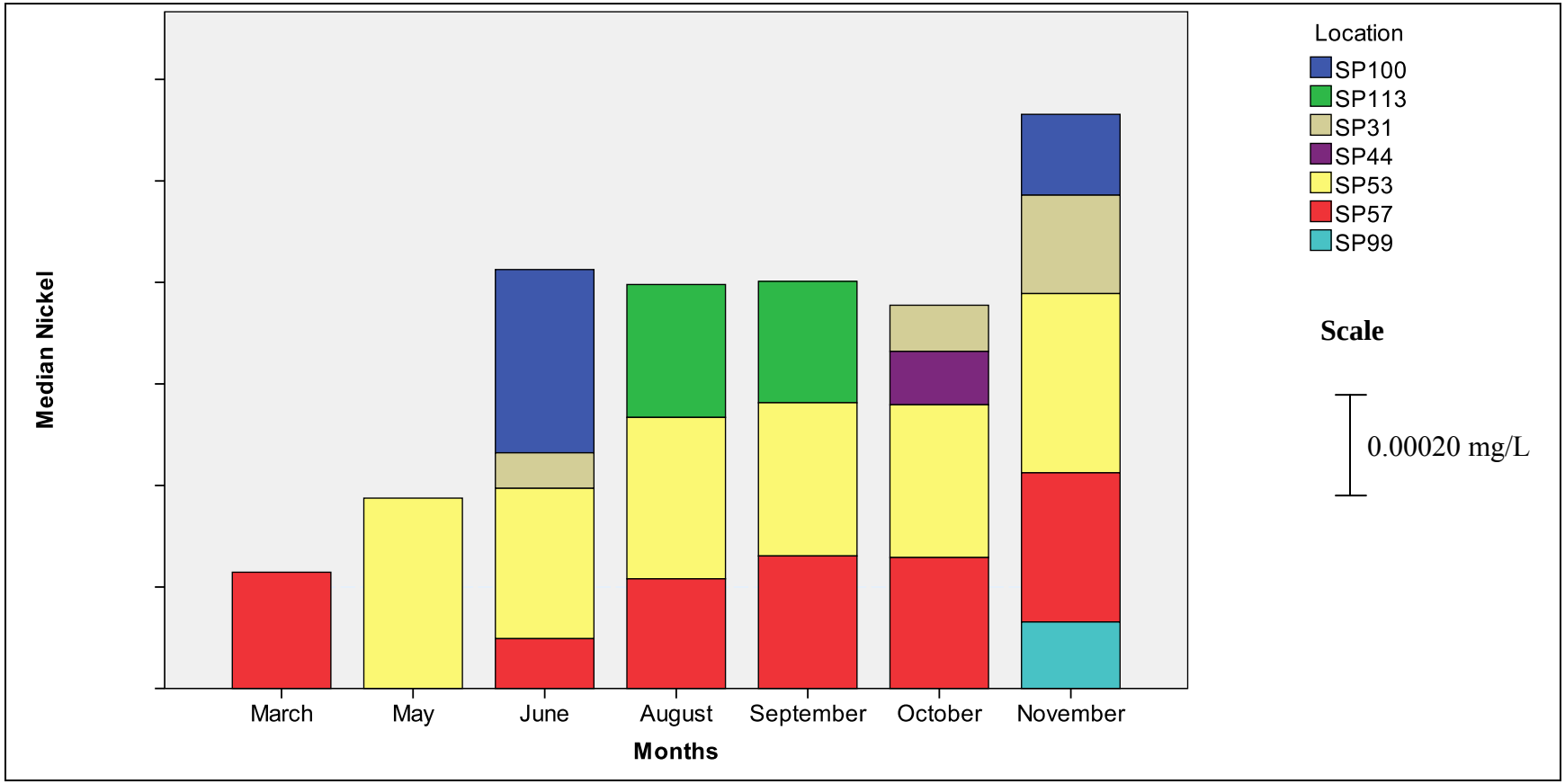


FIGURE 9.1-167
Nickel Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00020 mg/L.

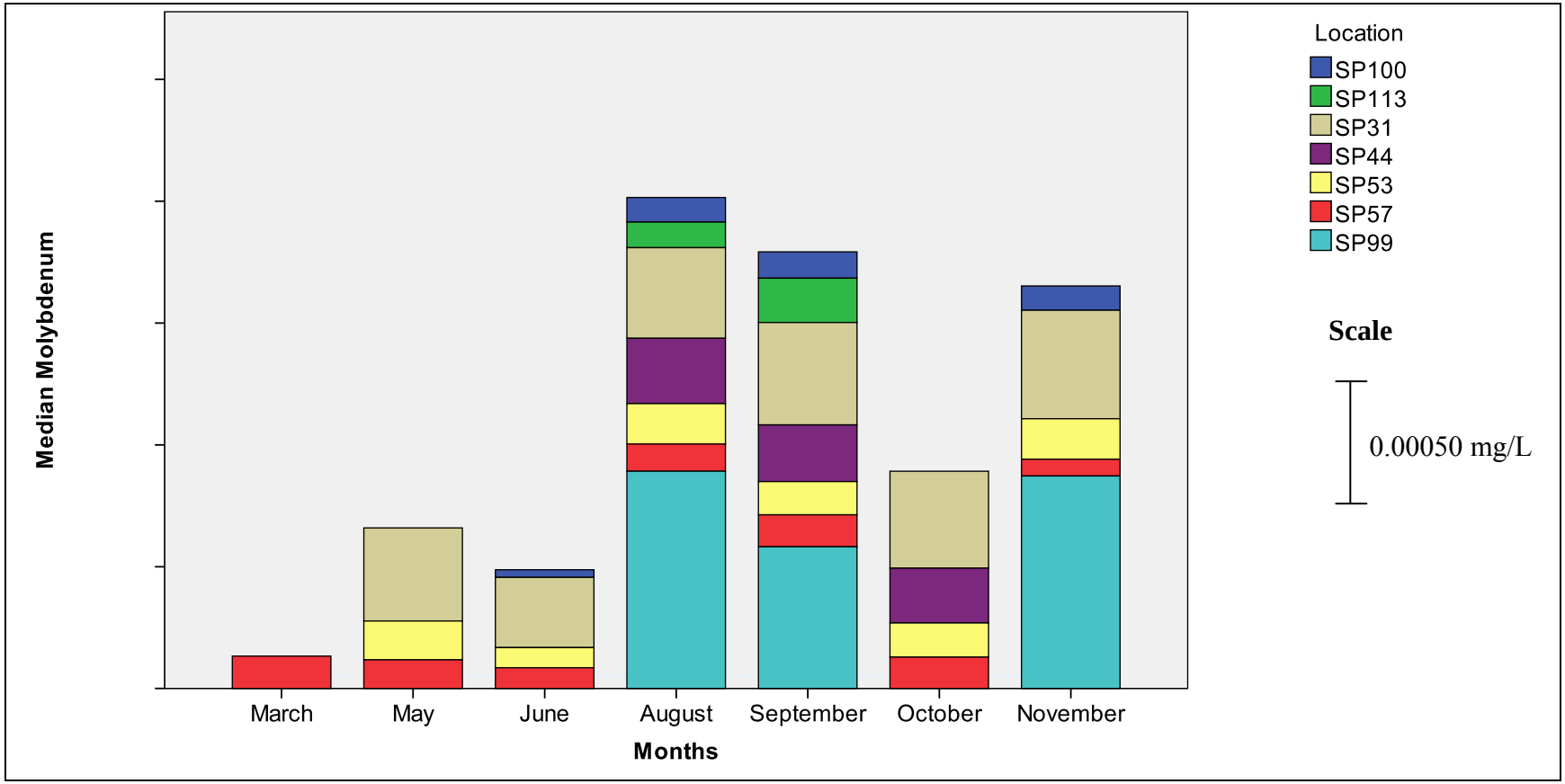


FIGURE 9.1-168
Molybdenum Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the North Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

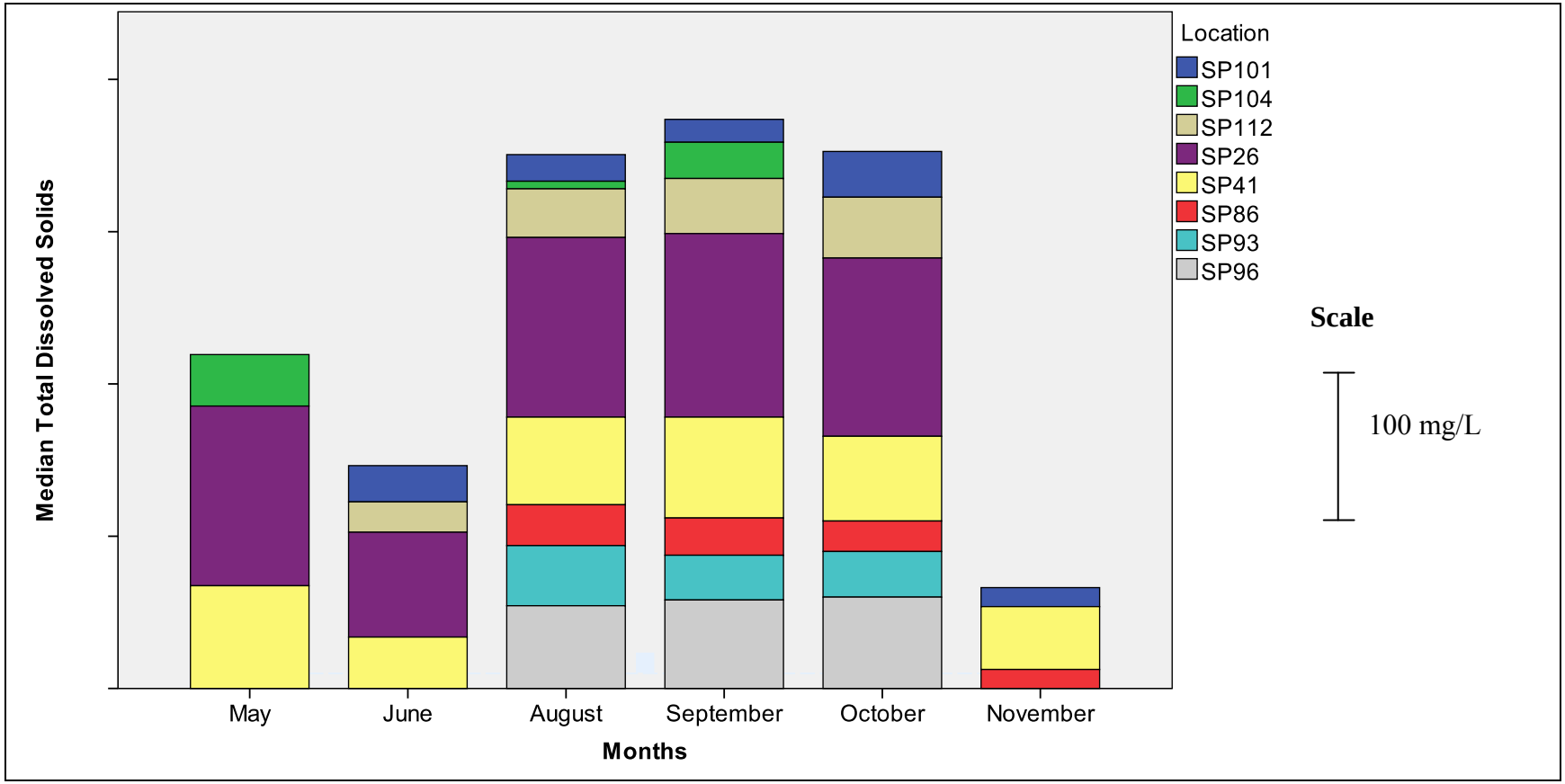


FIGURE 9.1-169
Total Dissolved Solids Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

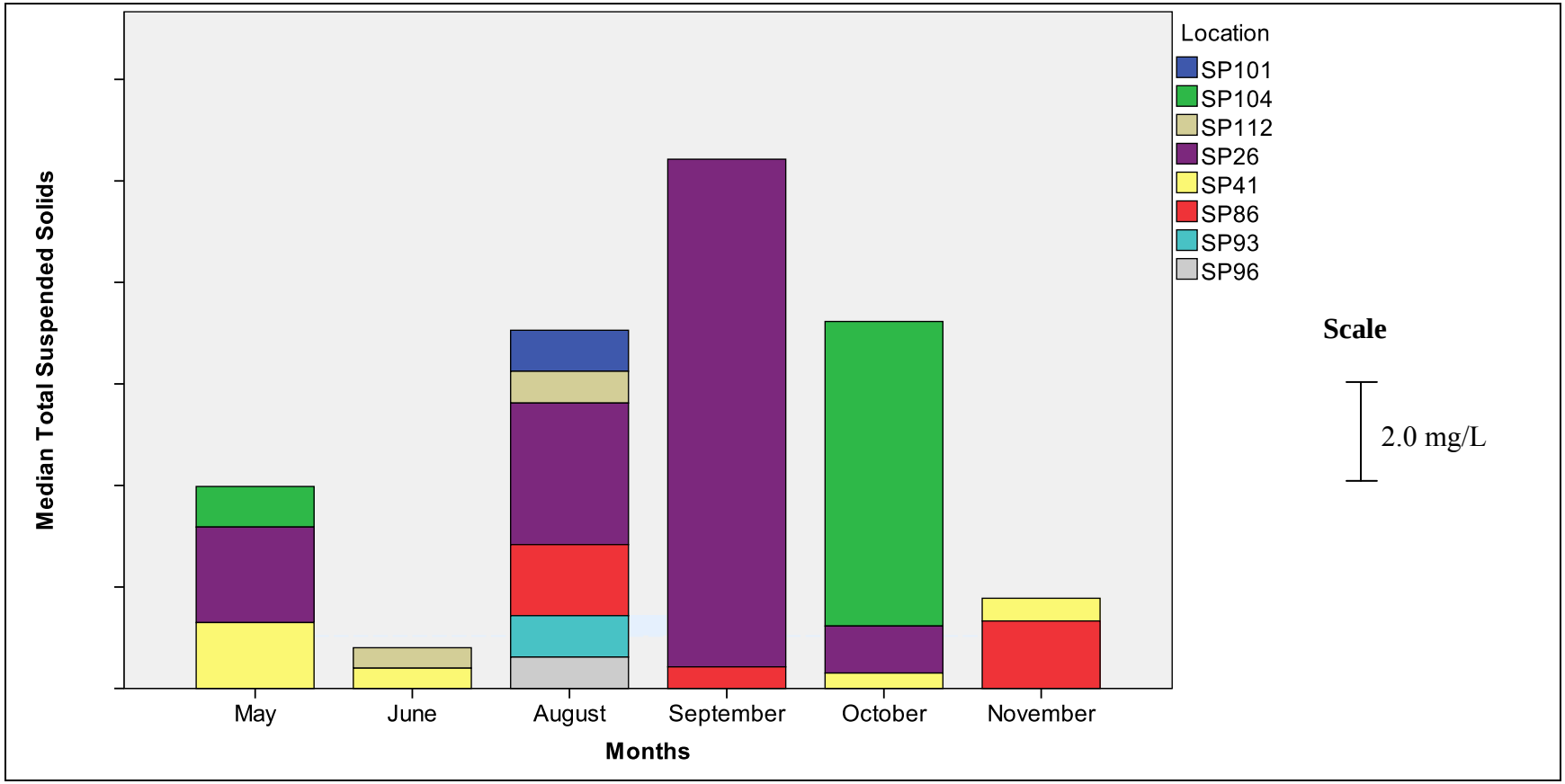


FIGURE 9.1-170
Total Suspended Solids Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.035 mg/L.

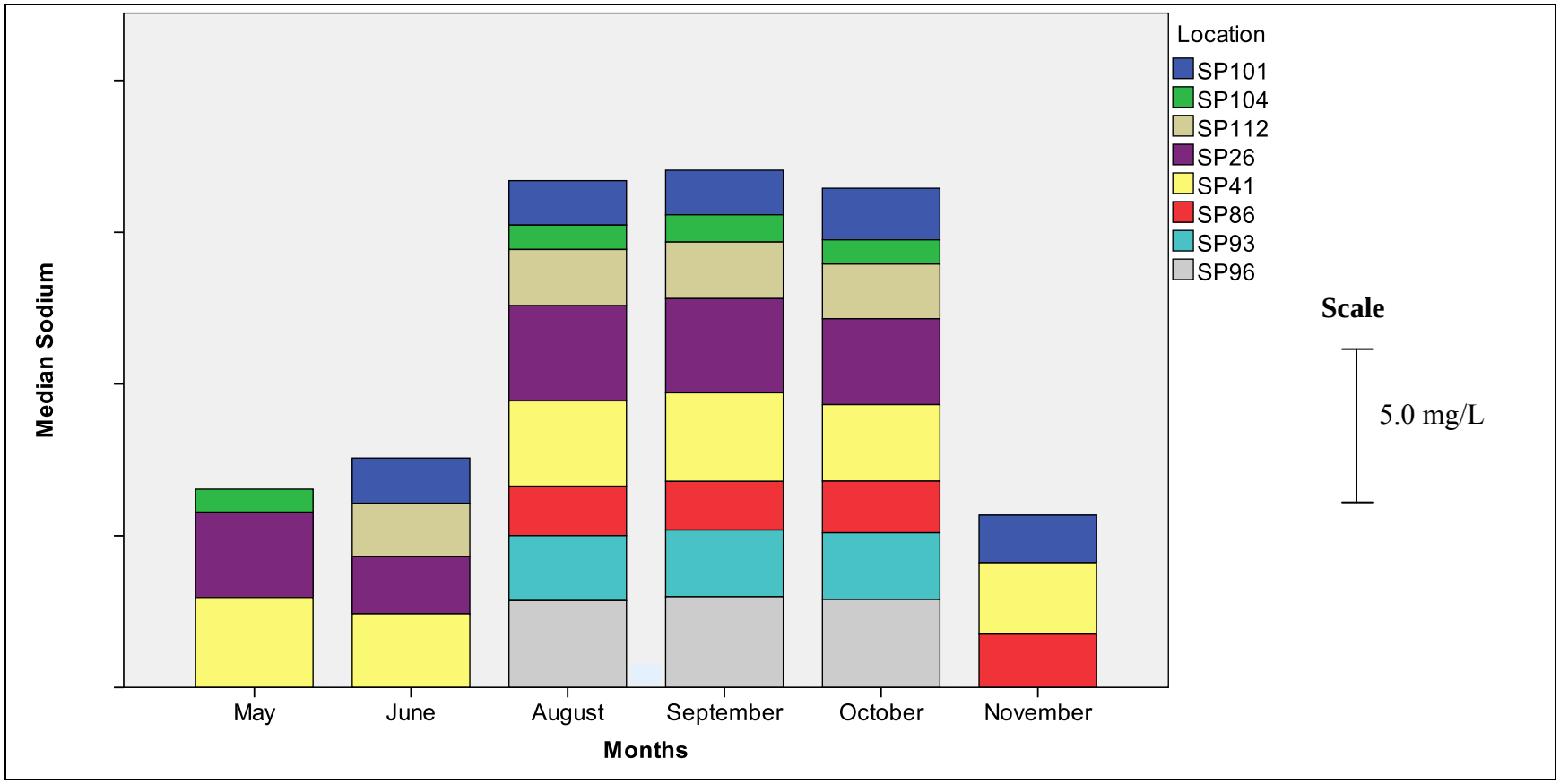


FIGURE 9.1-171
Sodium Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

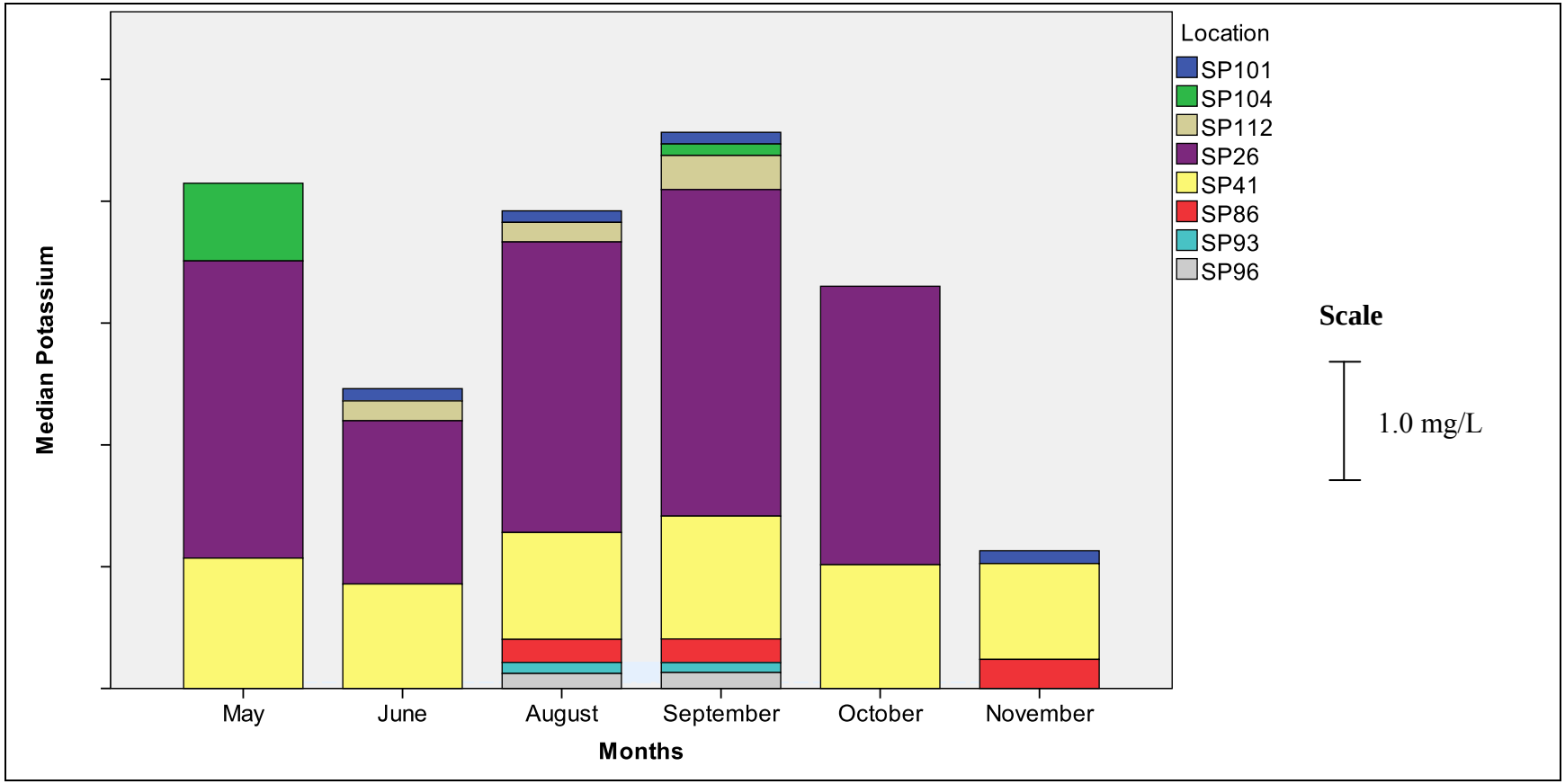


FIGURE 9.1-172
Potassium Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.050 mg/L.

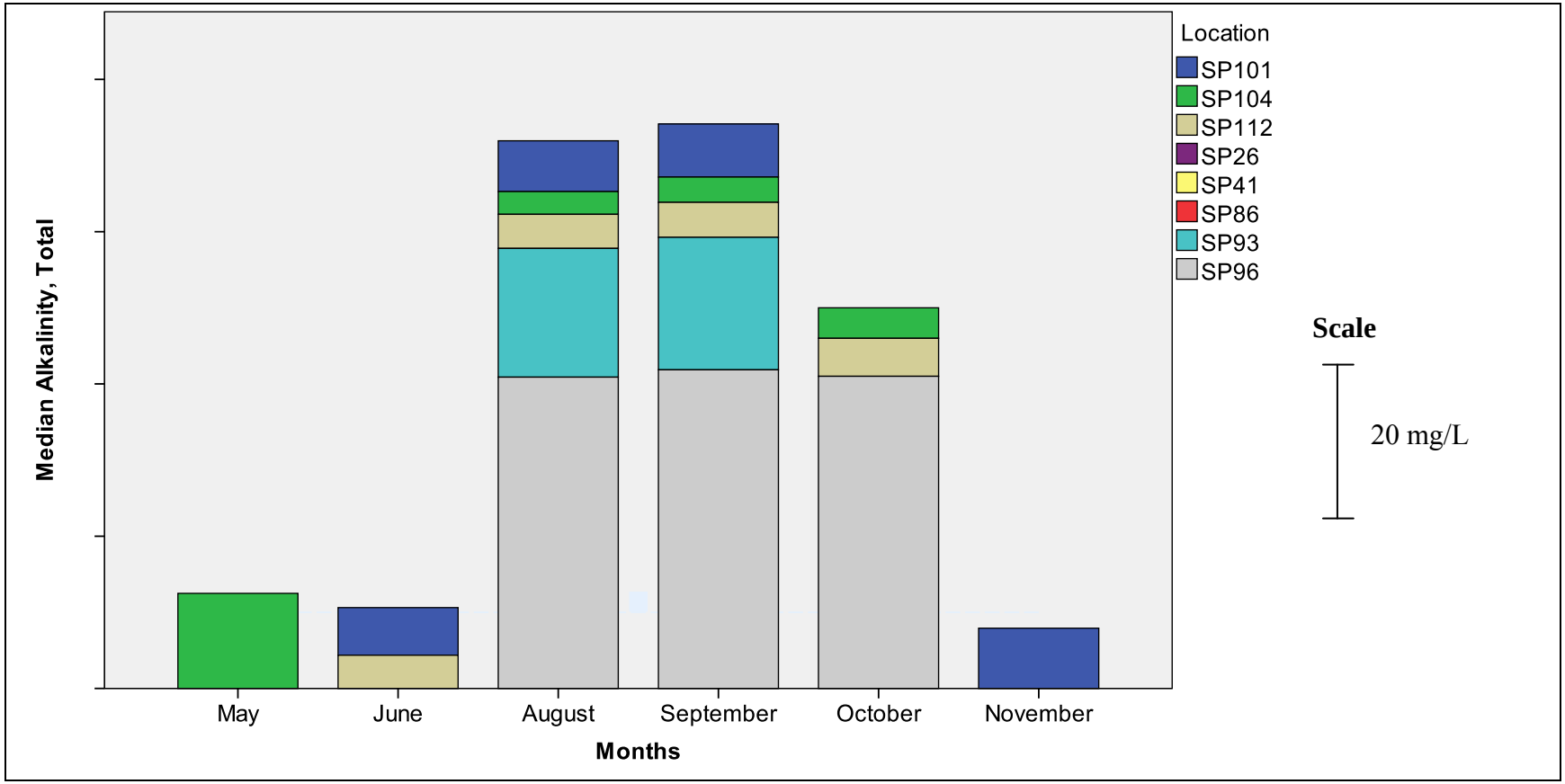


FIGURE 9.1-173
Alkalinity Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

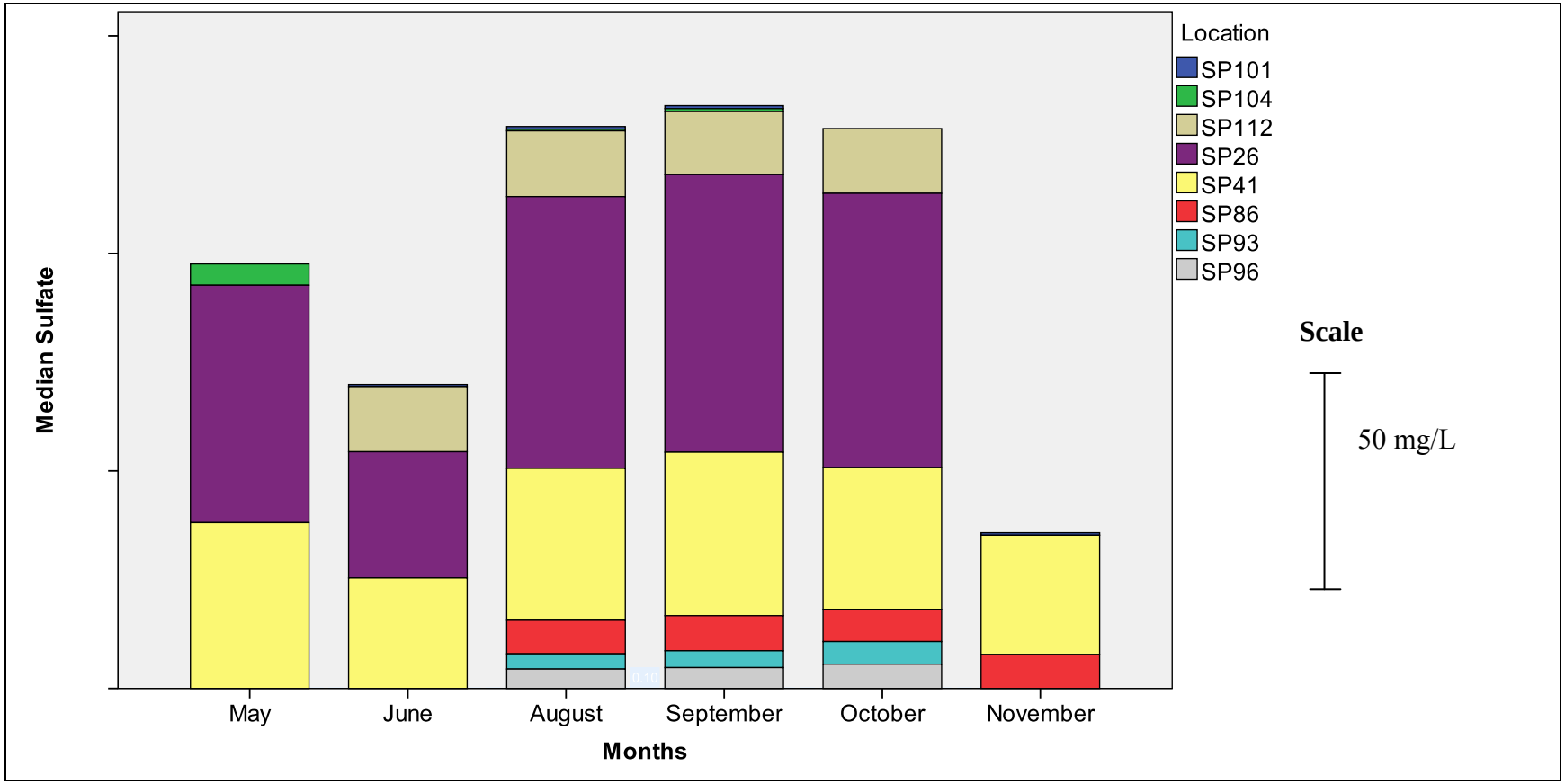


FIGURE 9.1-174
Sulfate Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

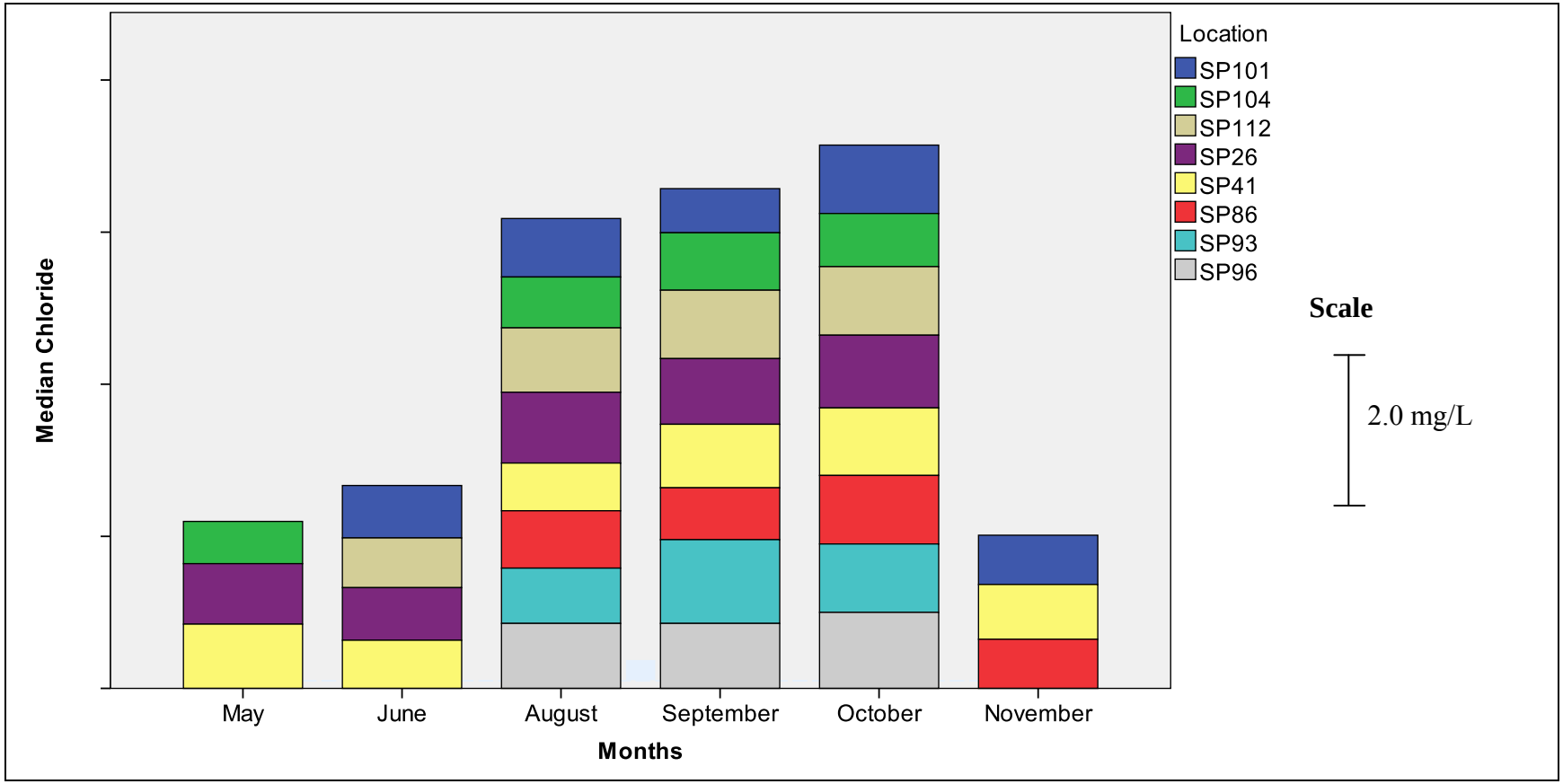


FIGURE 9.1-175
Chloride Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

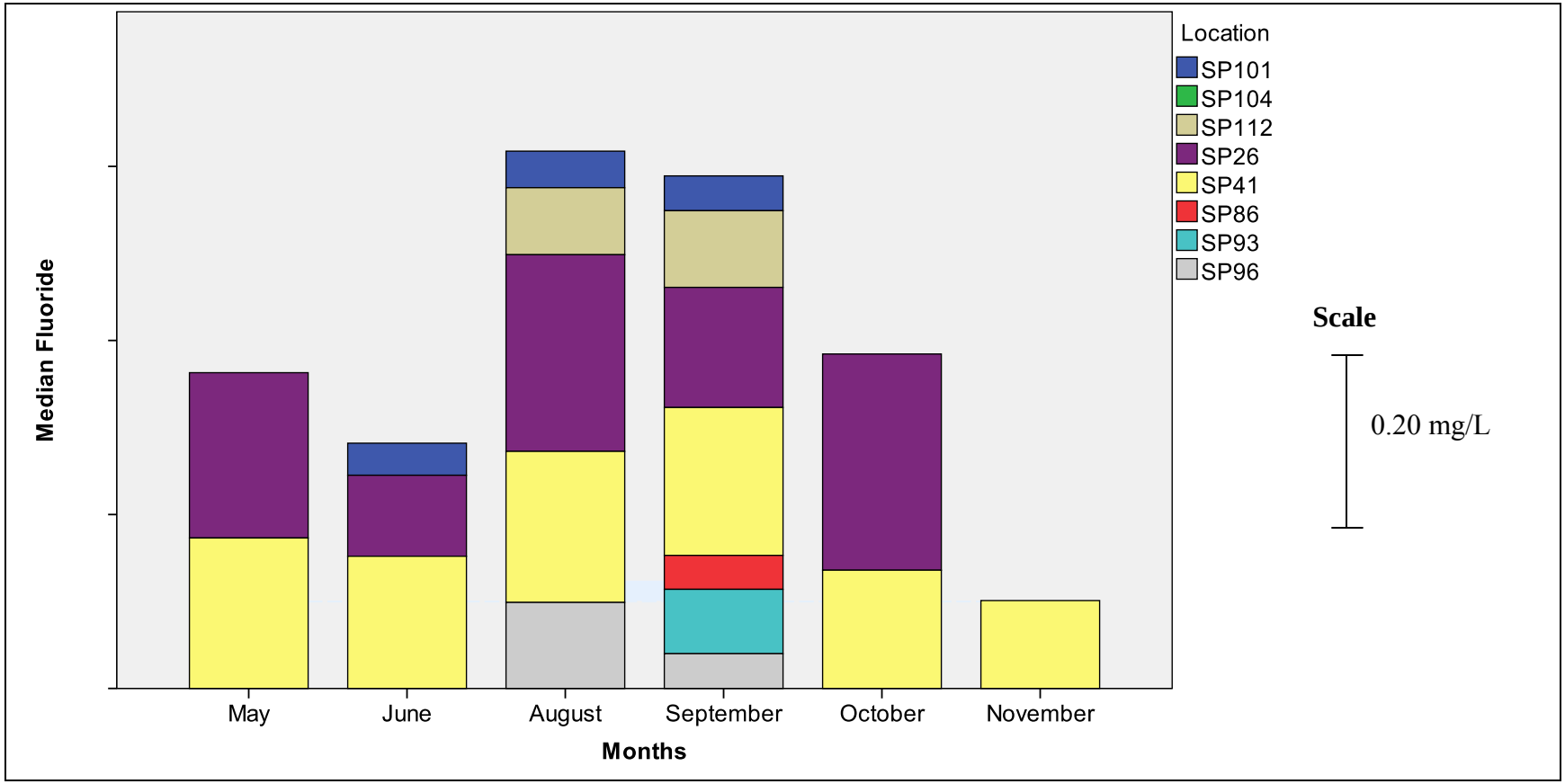


FIGURE 9.1-176
Fluoride Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

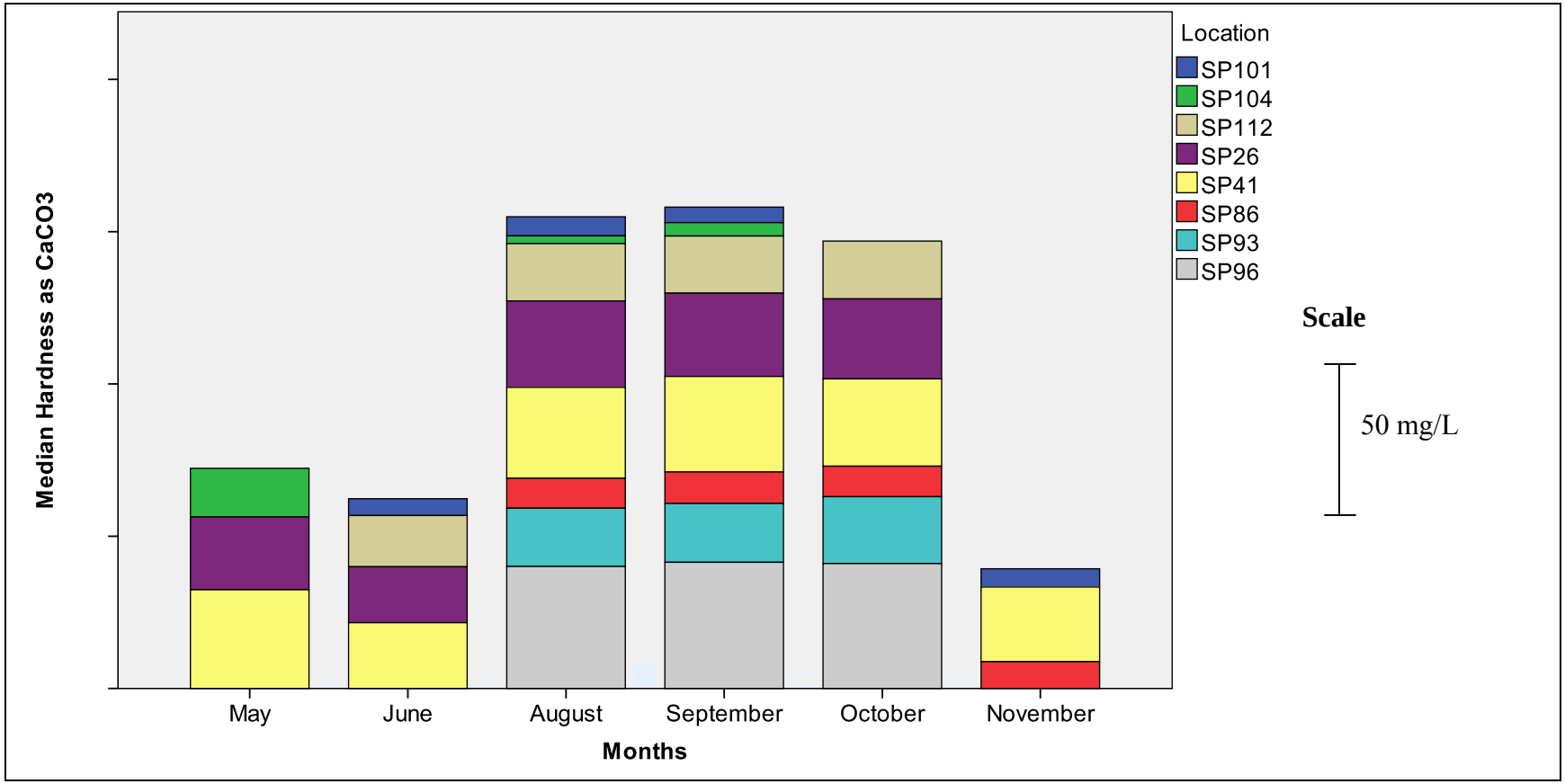


FIGURE 9.1-177
Hardness as $CaCO_3$ Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.0 mg/L.

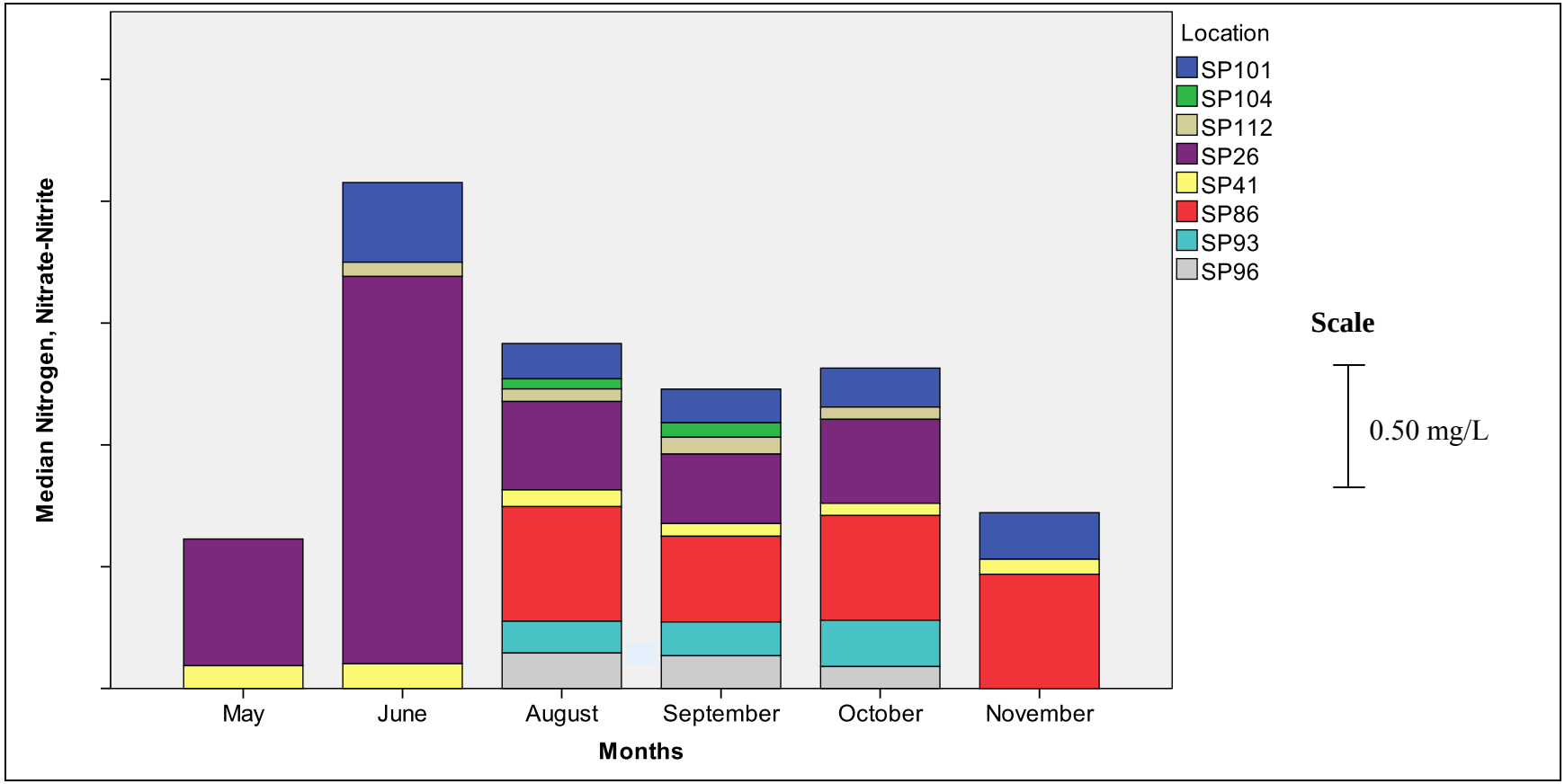


FIGURE 9.1-178
Total Nitrate+Nitrite (as N) Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

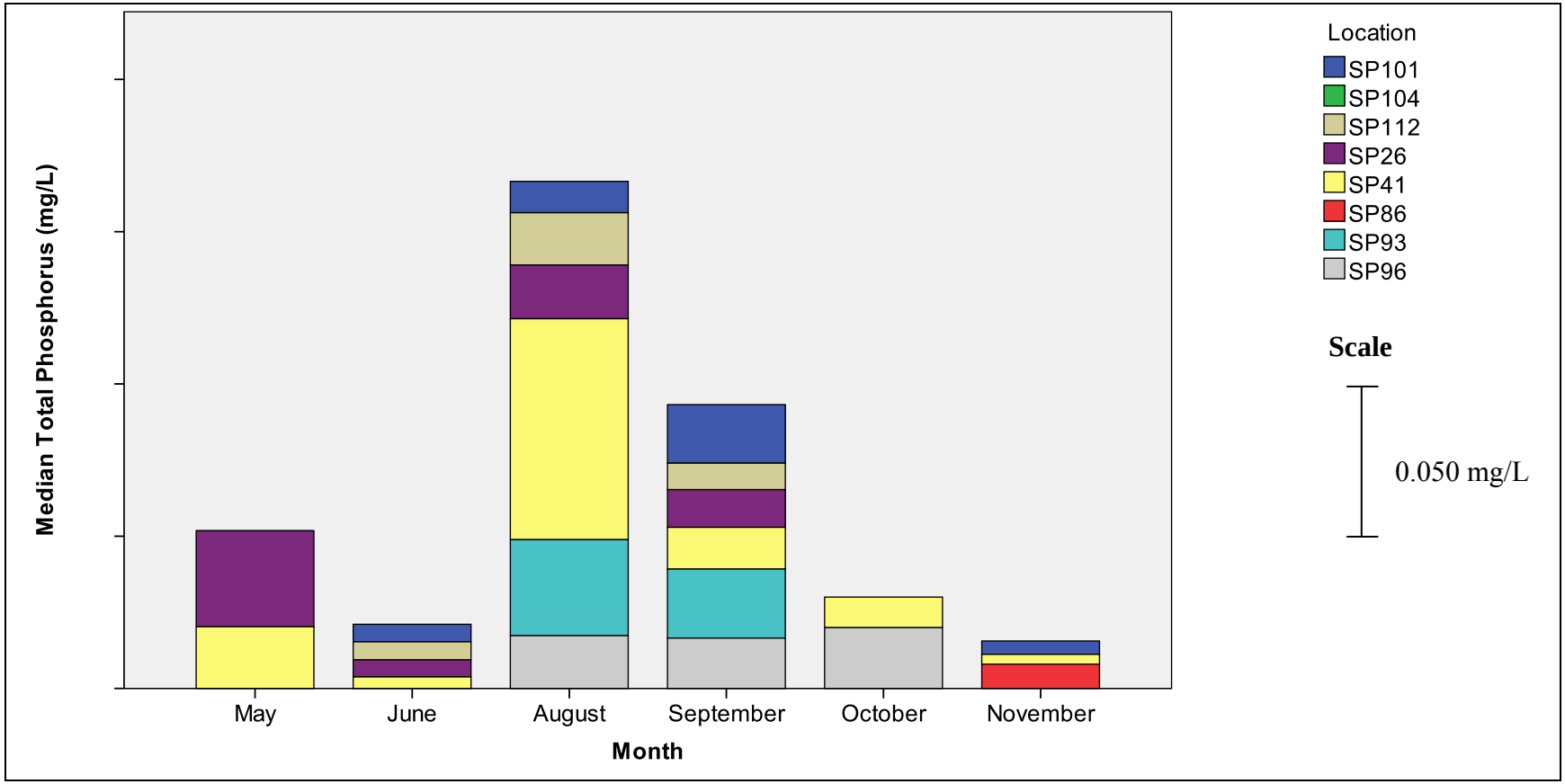


FIGURE 9.1-179
Total Phosphorus Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.010 mg/L.

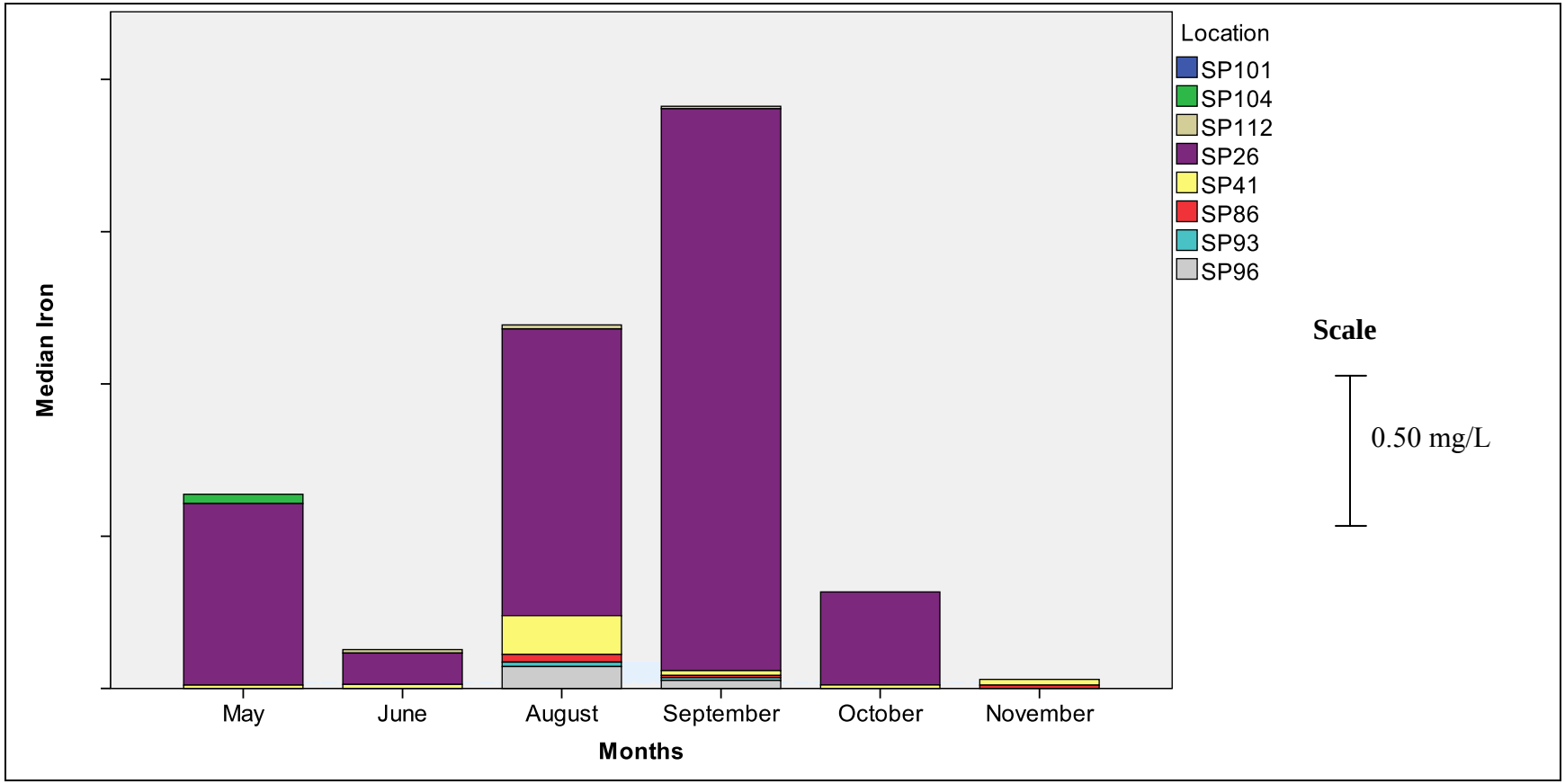


FIGURE 9.1-180
Iron Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.020 mg/L.

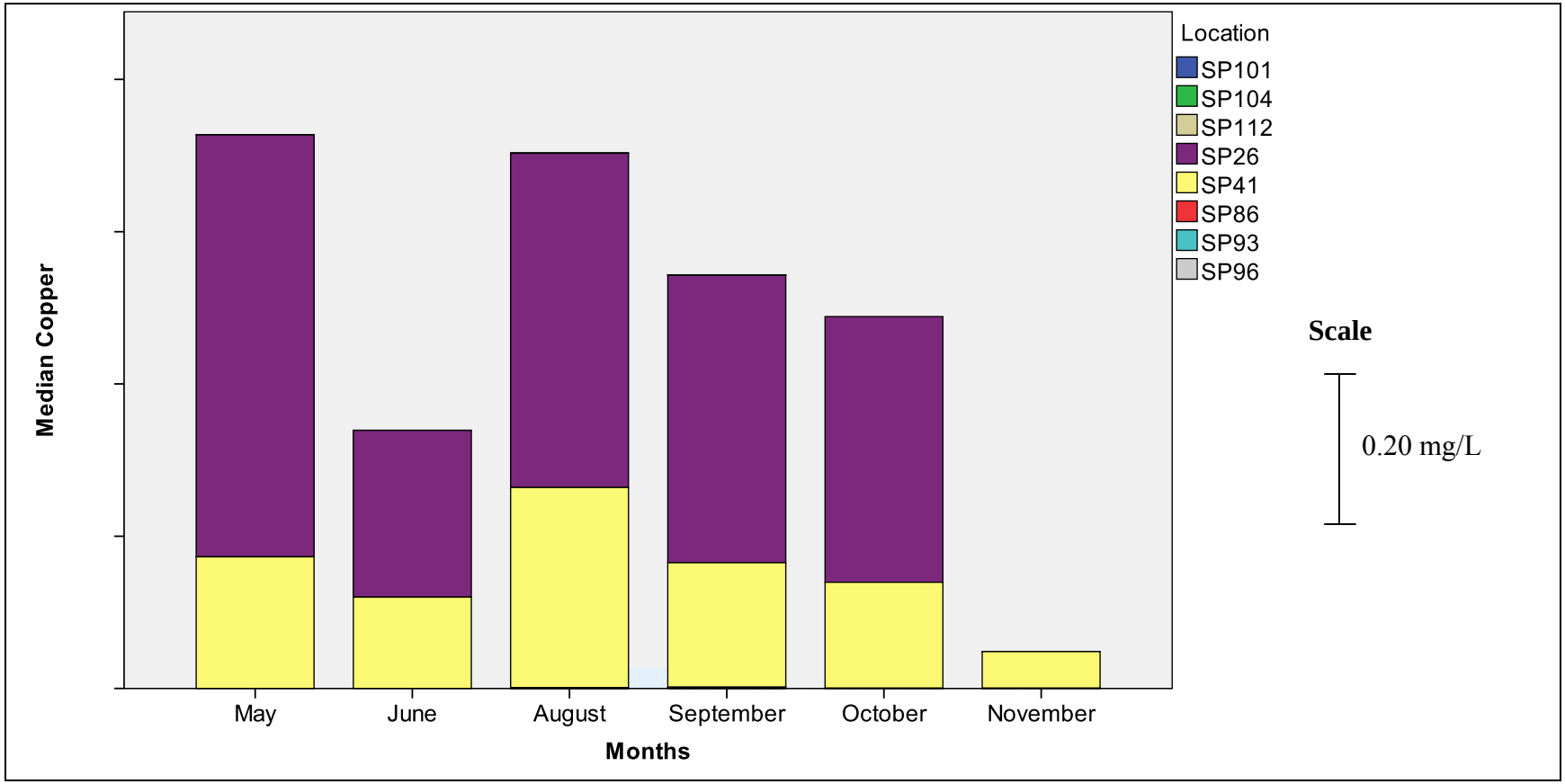


FIGURE 9.1-181
Copper Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

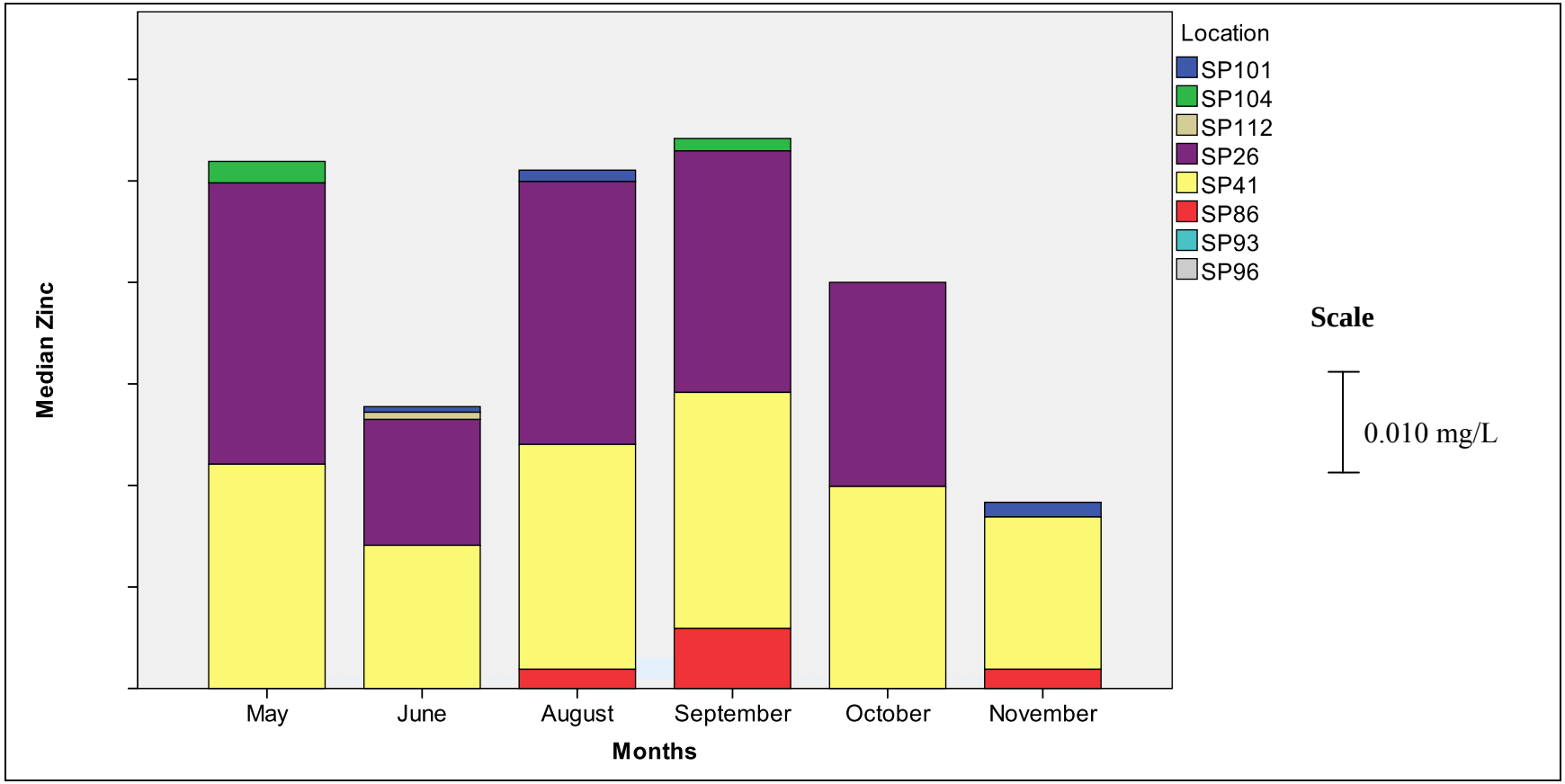


FIGURE 9.1-182
Zinc Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0010 mg/L.

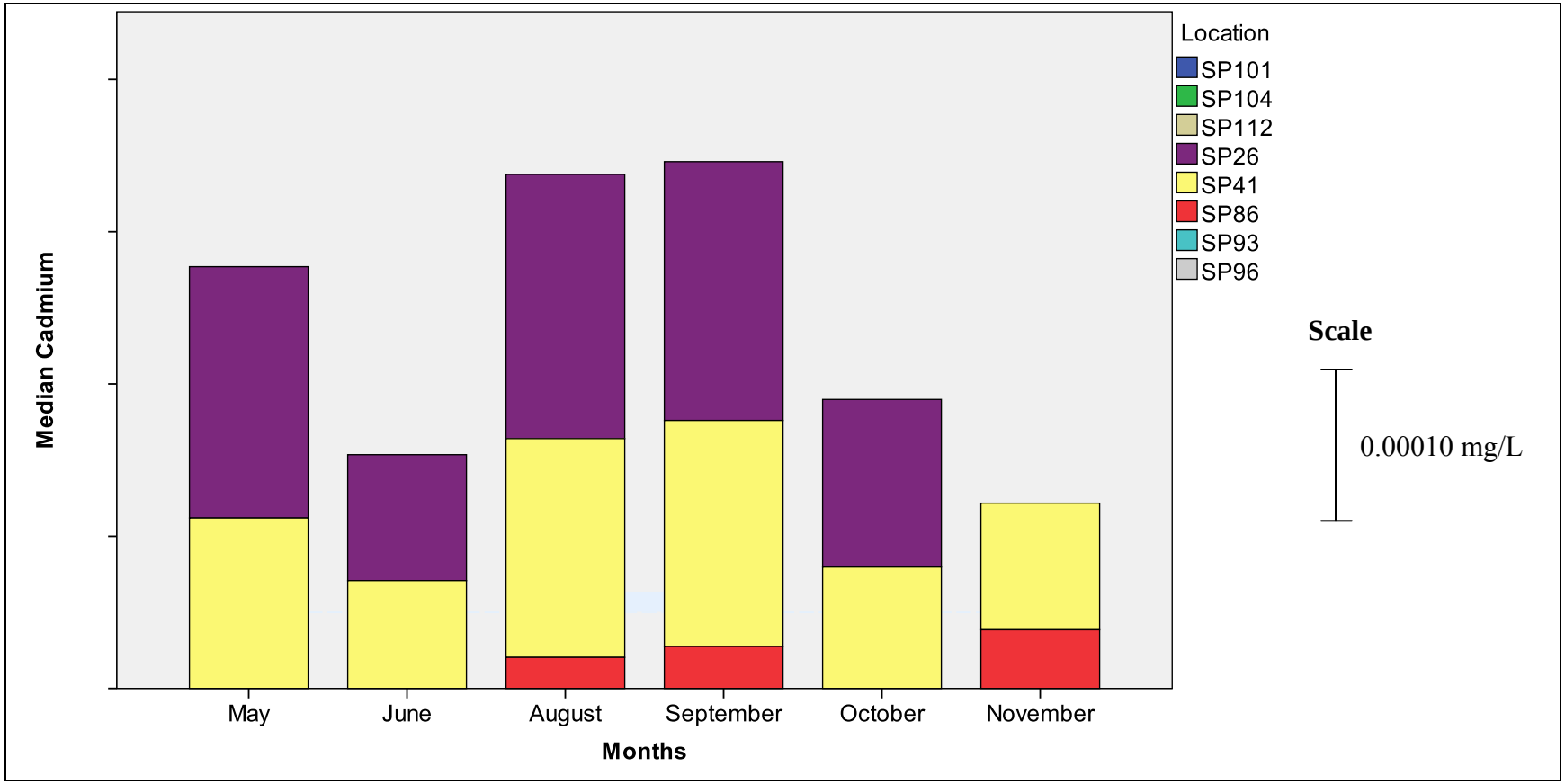


FIGURE 9.1-183
Cadmium Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

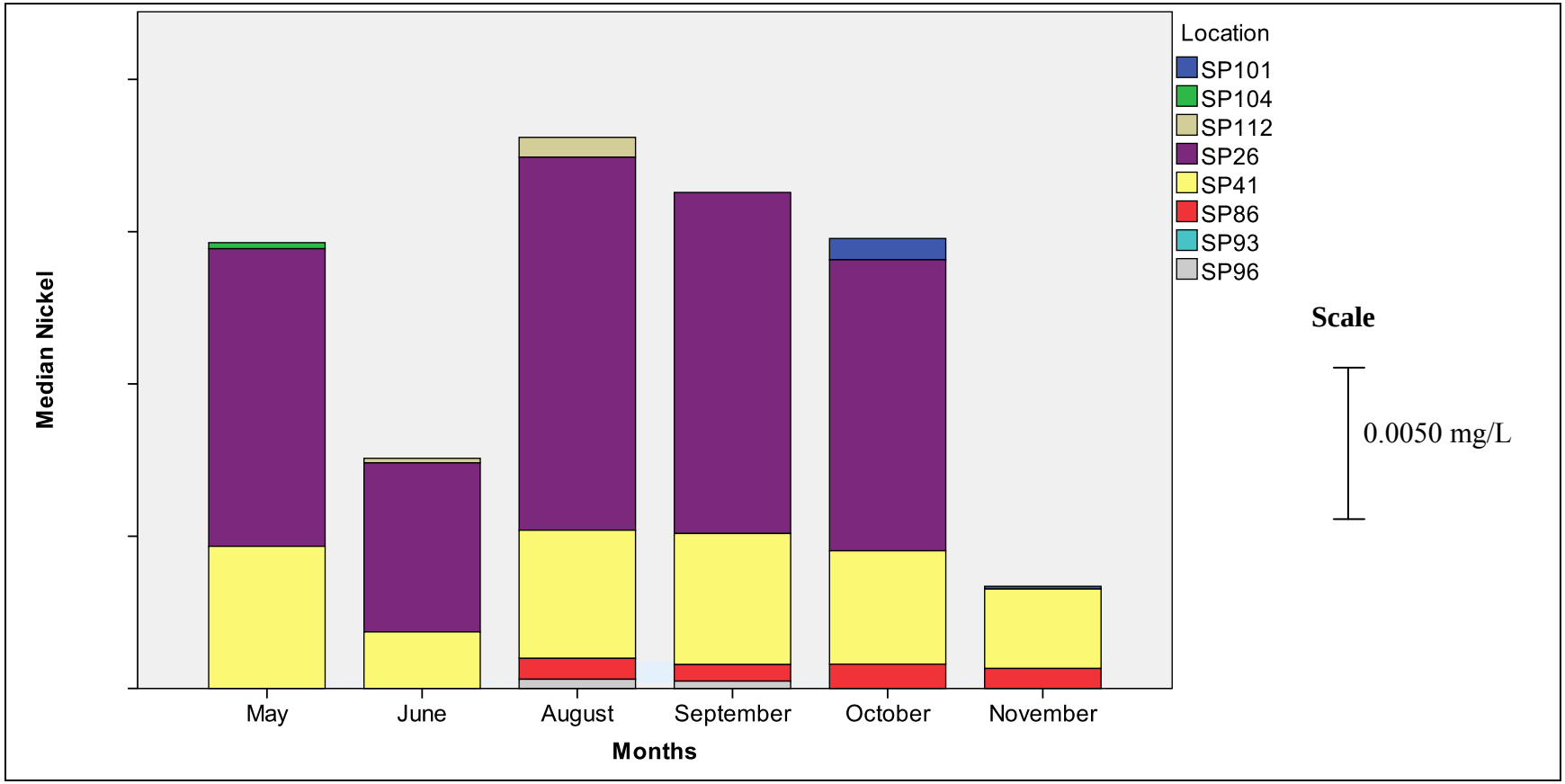


FIGURE 9.1-184
Nickel Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00020 mg/L.

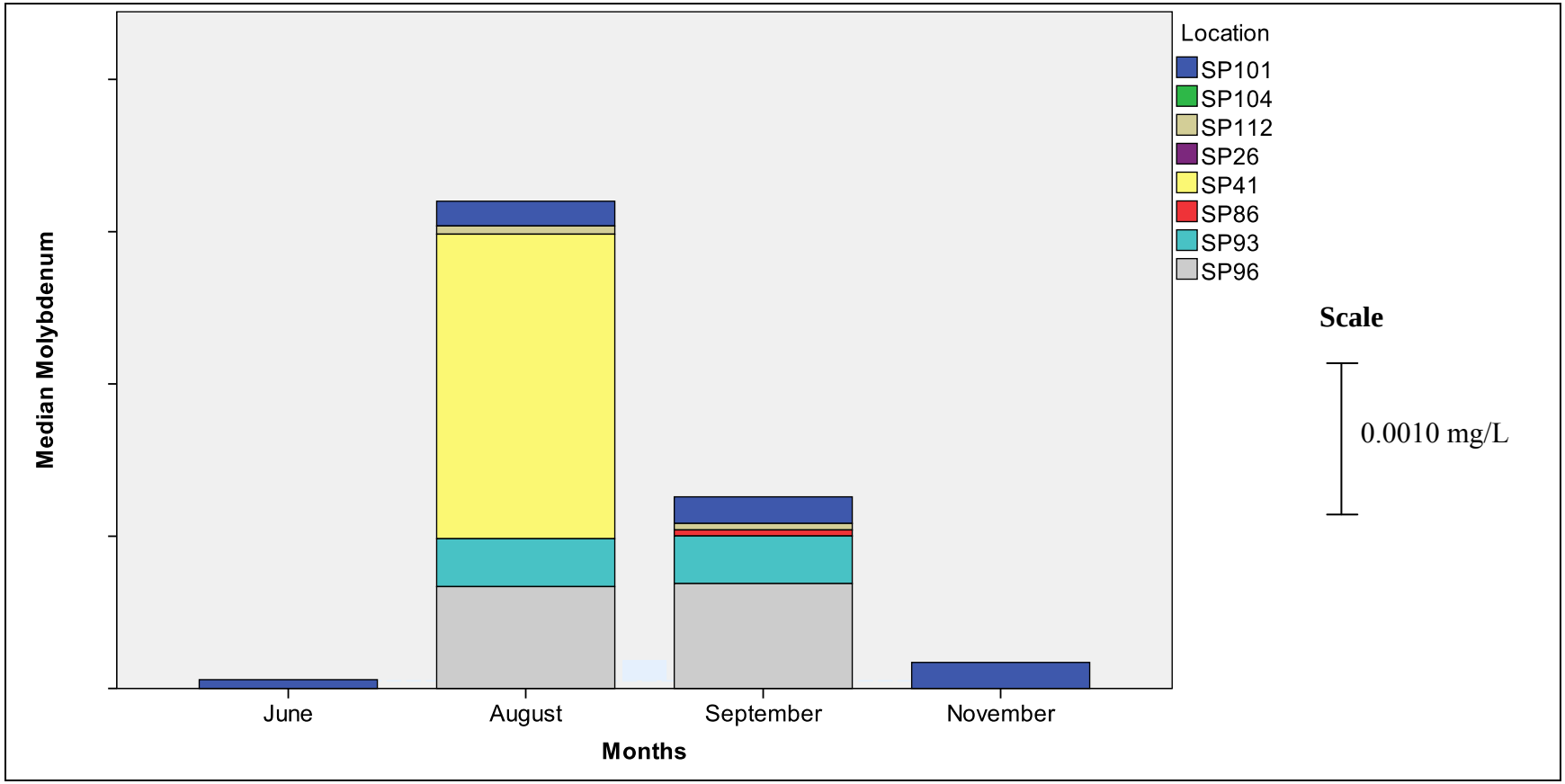


FIGURE 9.1-185
Molybdenum Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the South Fork Koktuli River Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

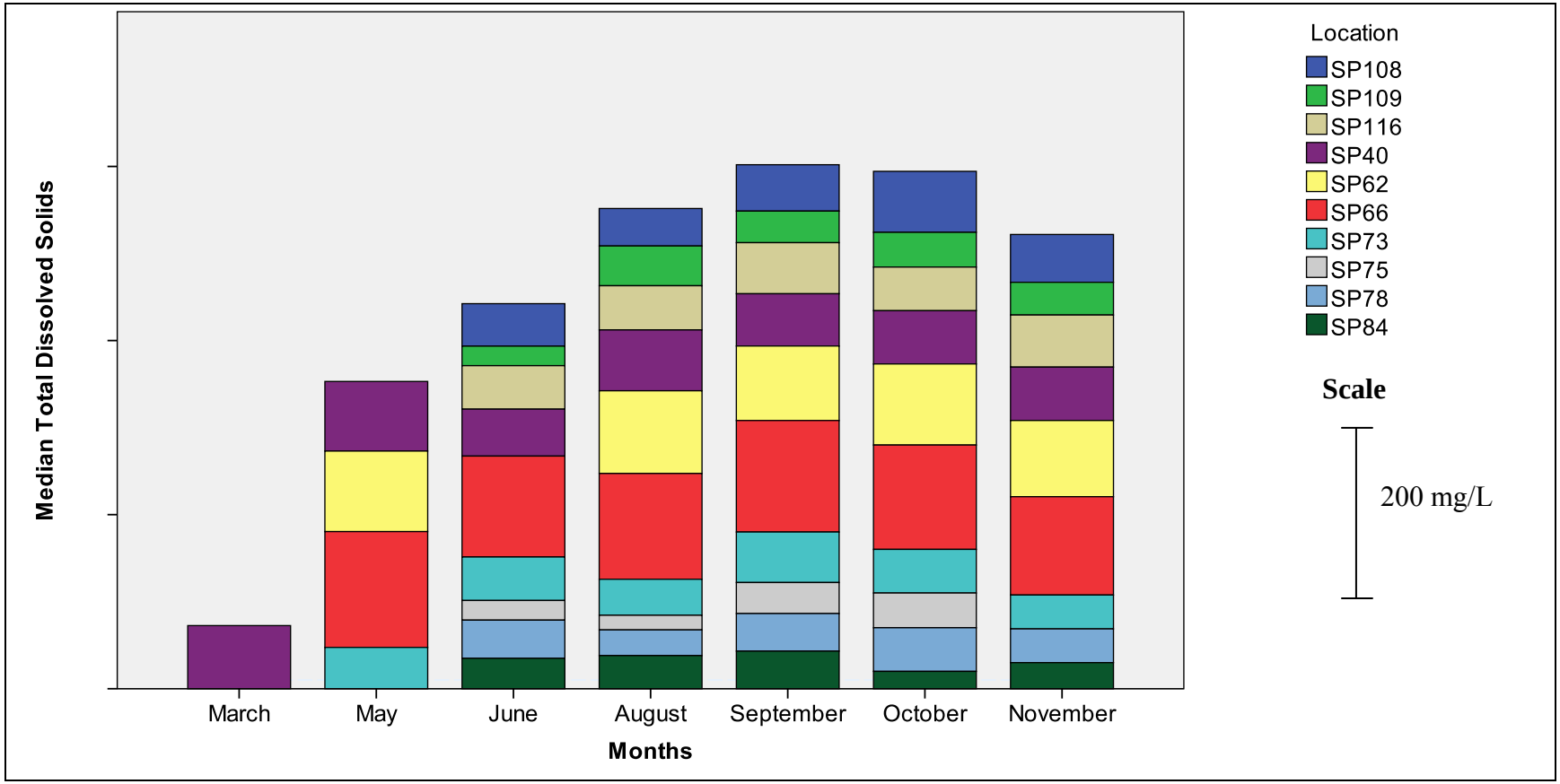


FIGURE 9.1-186
Total Dissolved Solids Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

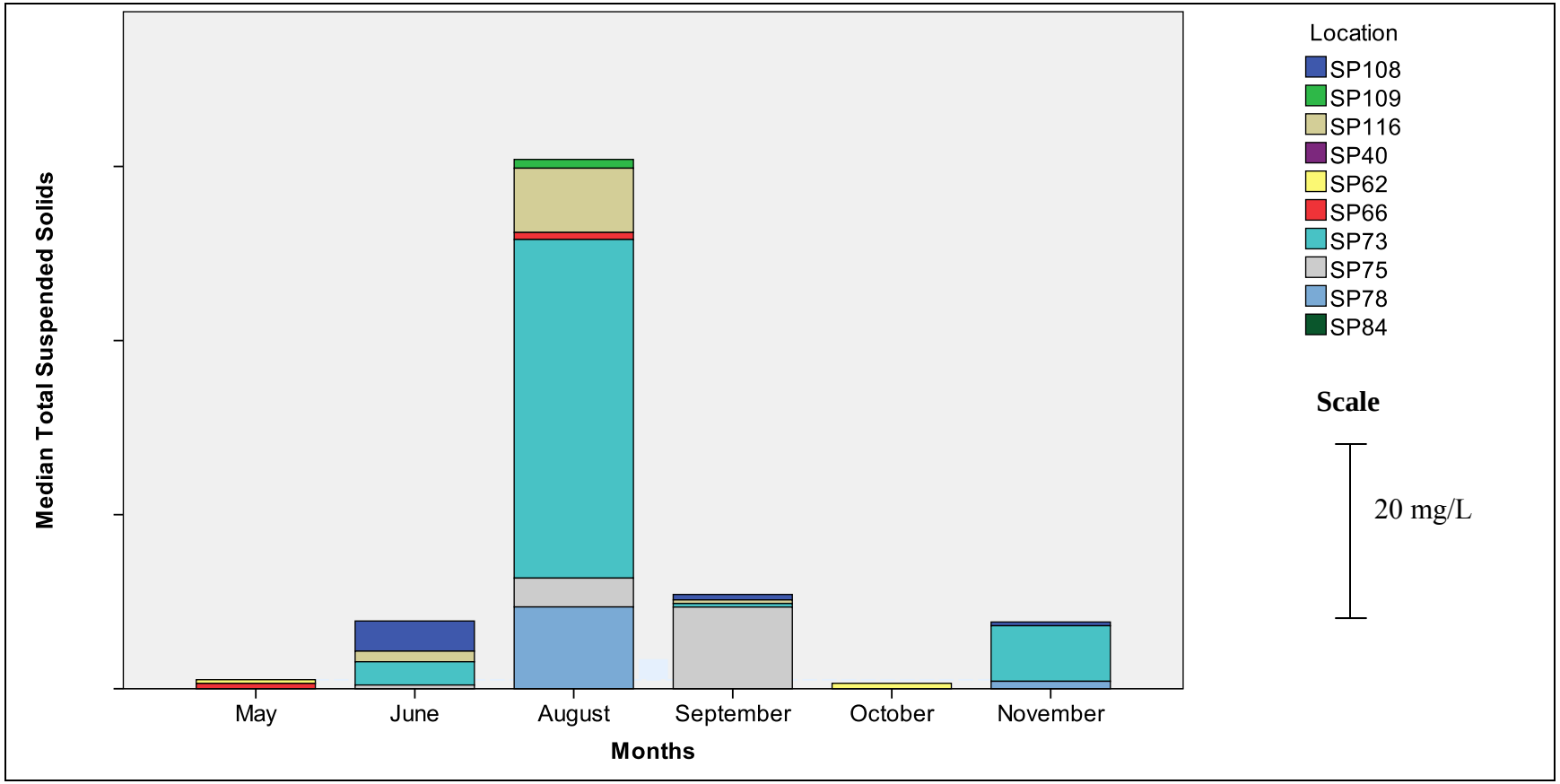


FIGURE 9.1-187
Total Suspended Solids Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.02 mg/L.

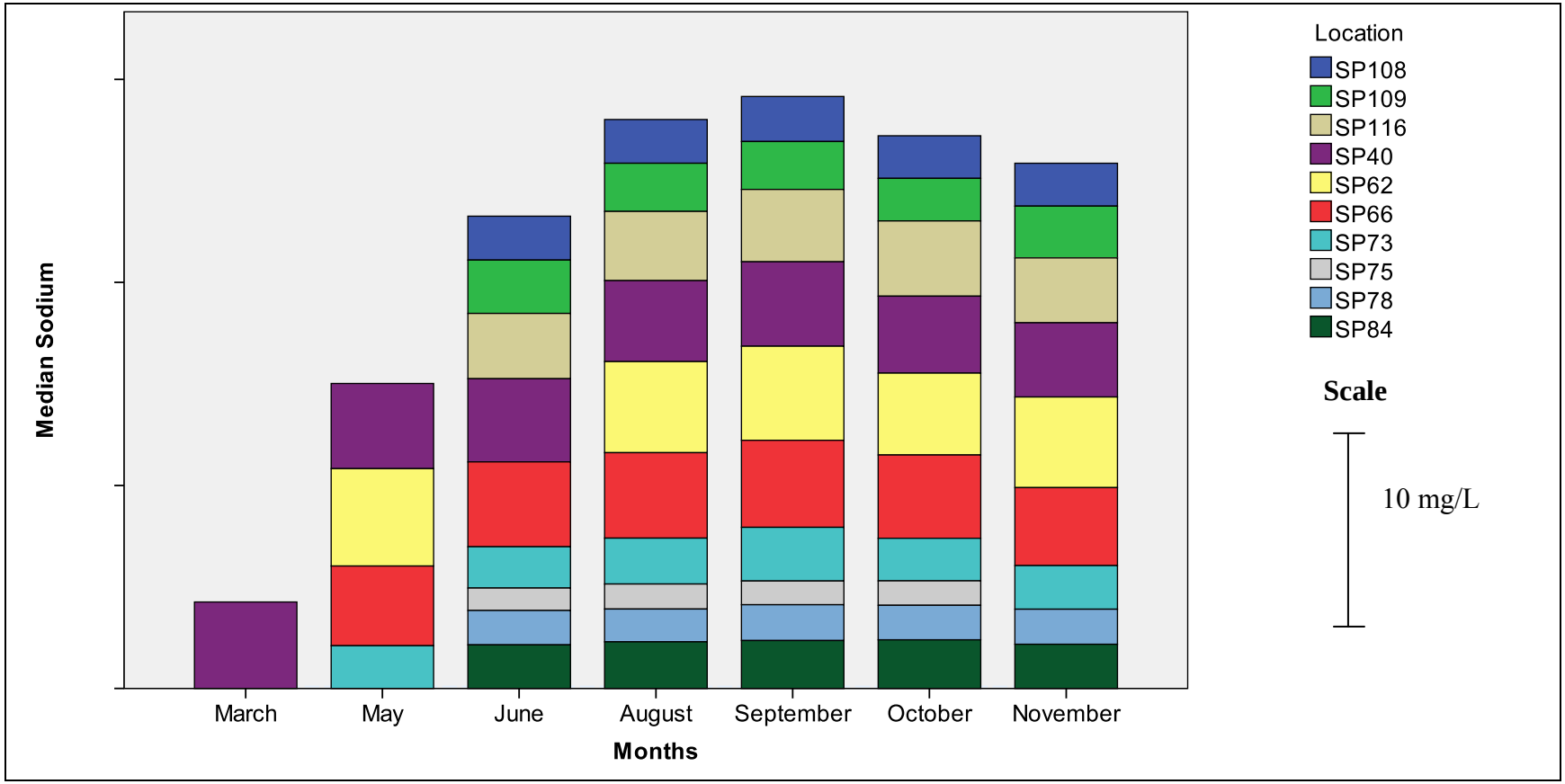


FIGURE 9.1-188
Sodium Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

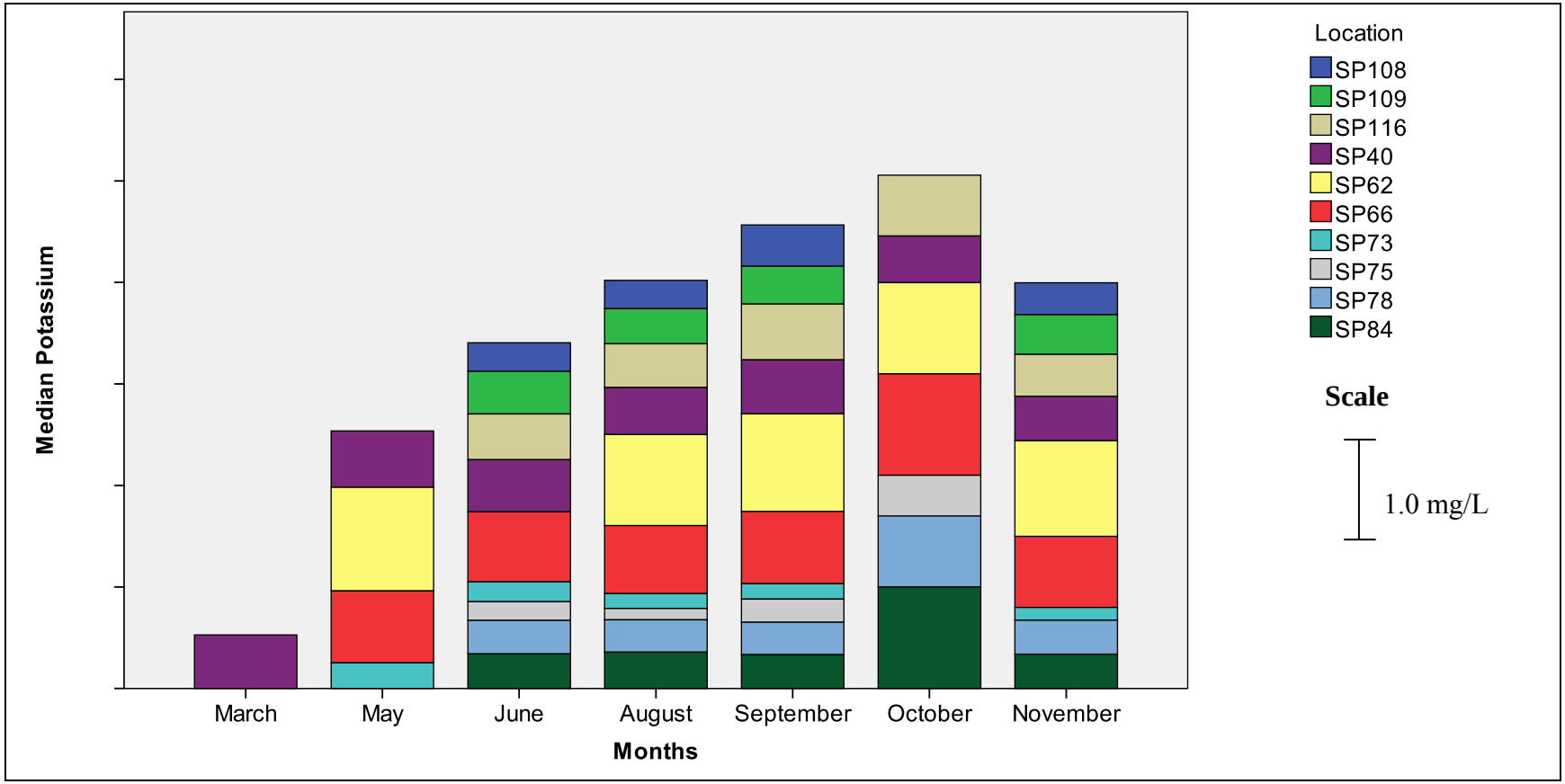


FIGURE 9.1-189
Potassium Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.050 mg/L.

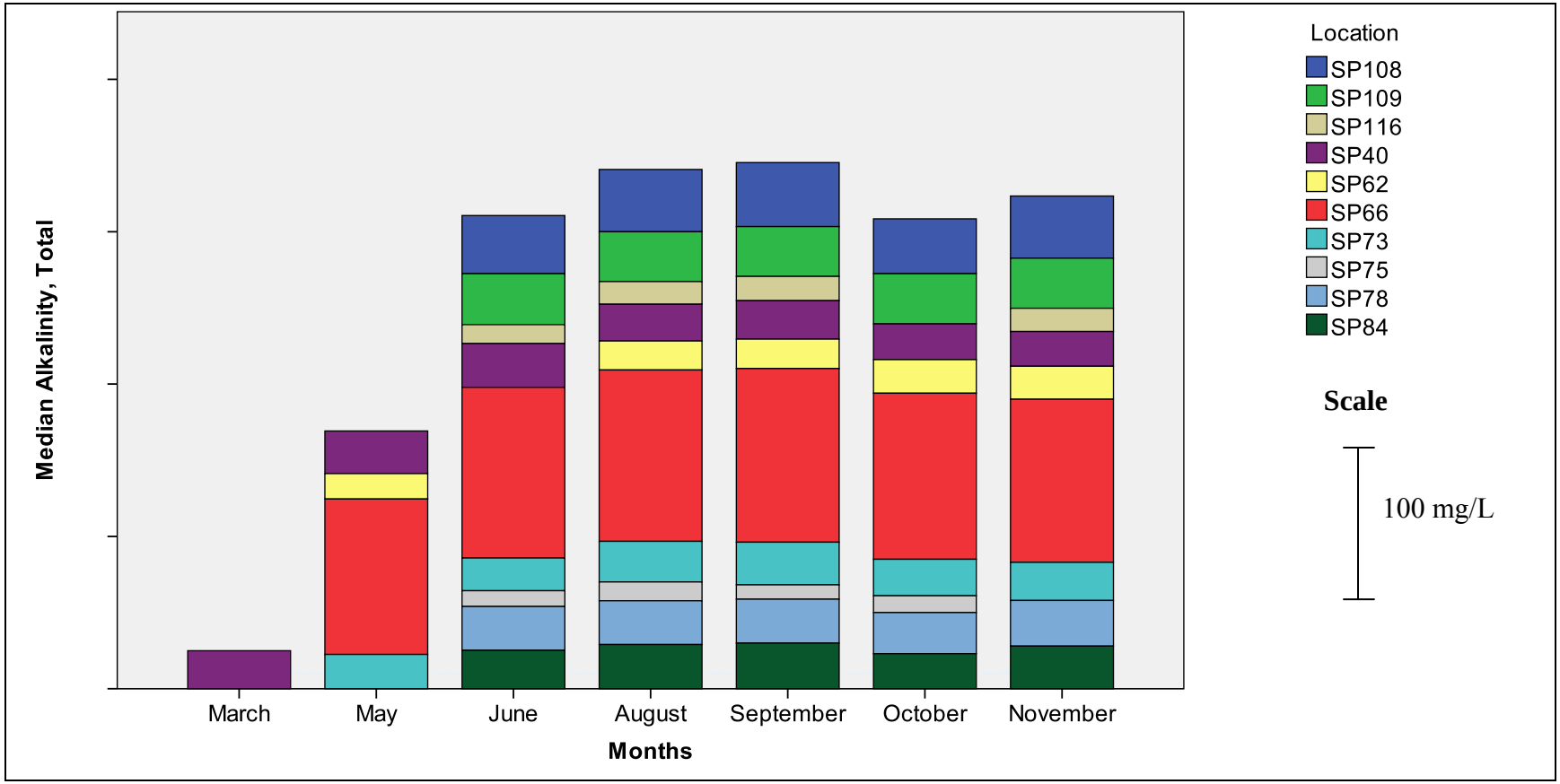


FIGURE 9.1-190
Alkalinity Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 10 mg/L.

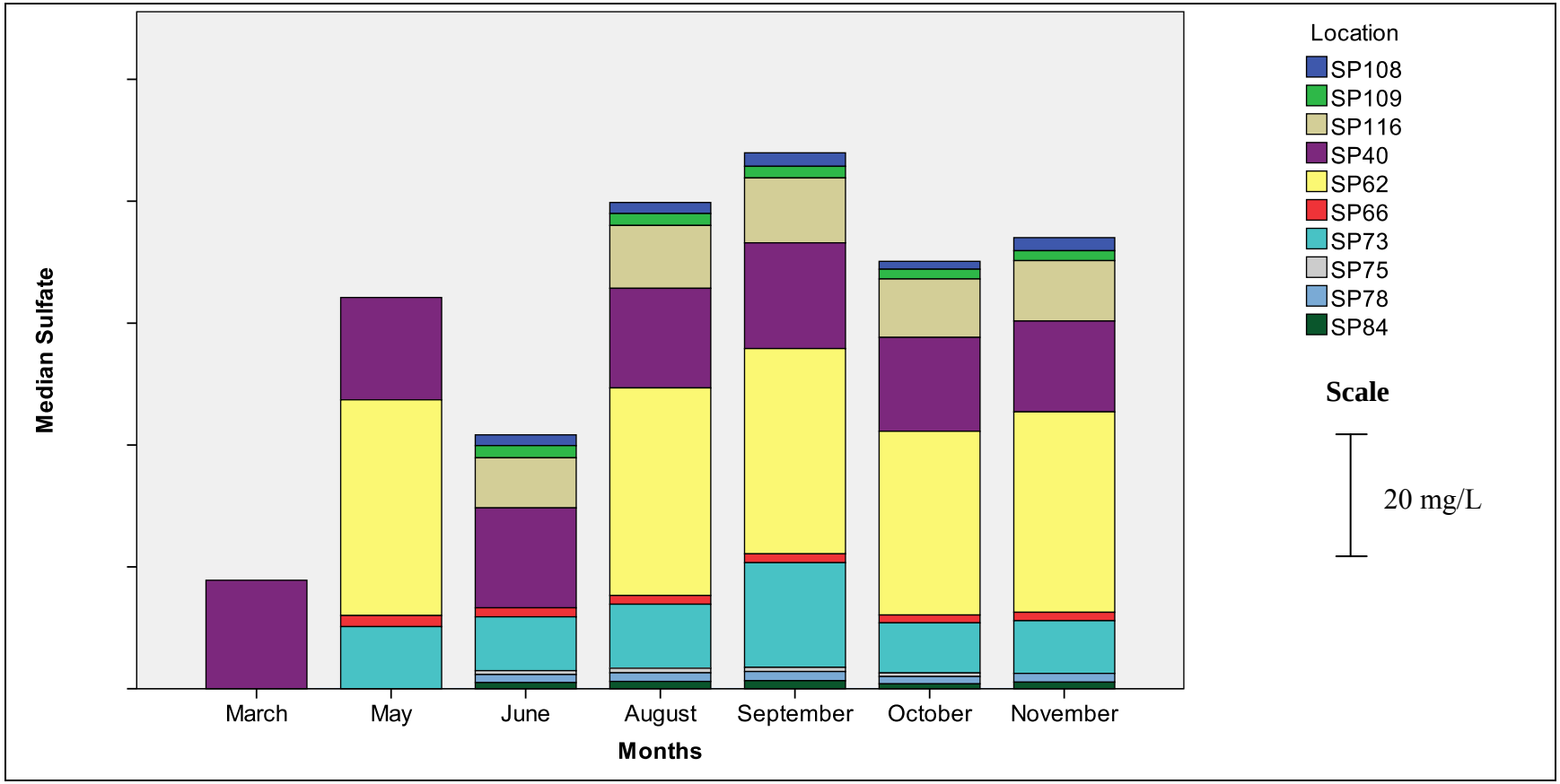


FIGURE 9.1-191
Sulfate Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

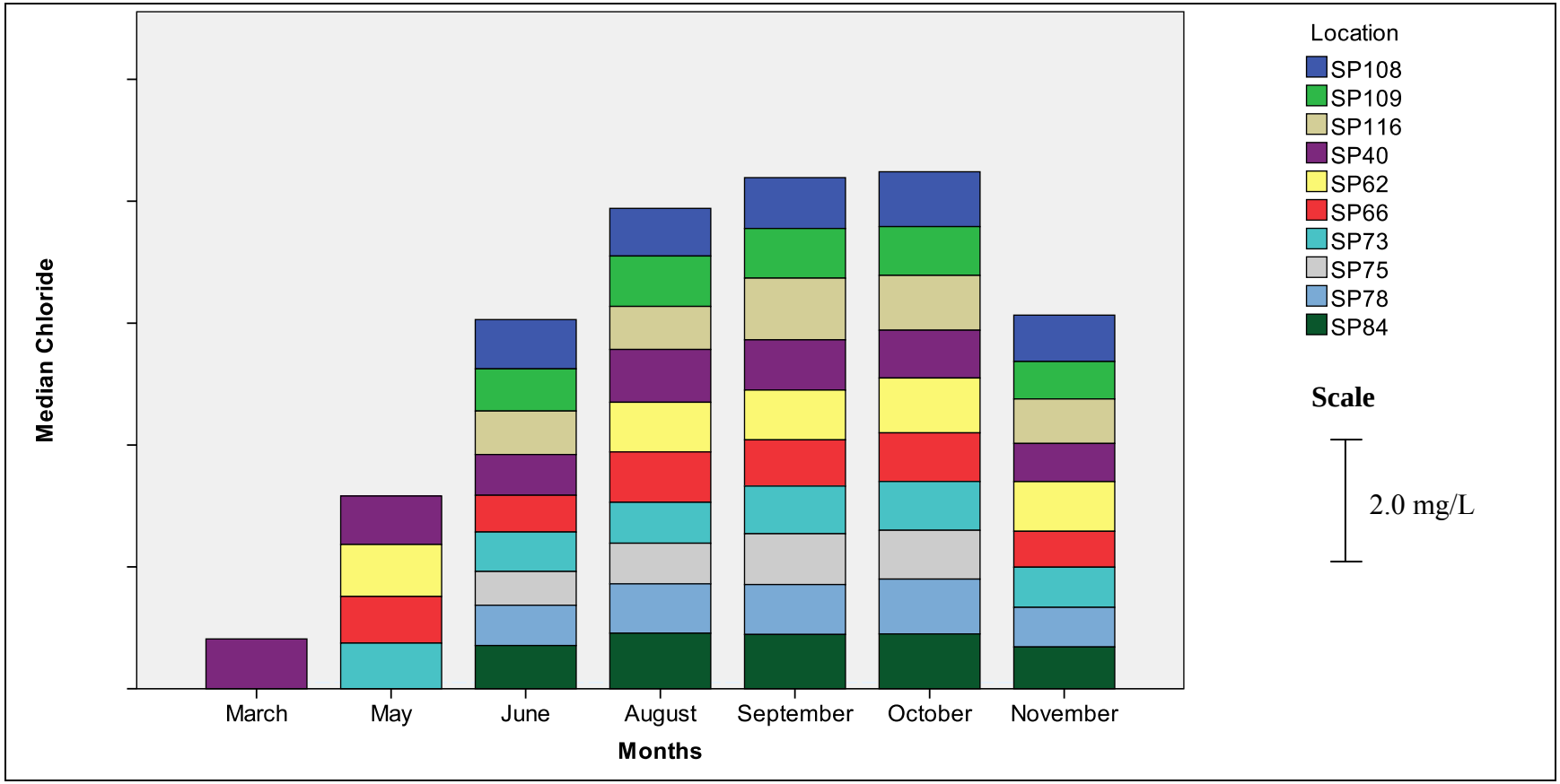


FIGURE 9.1-192
Chloride Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

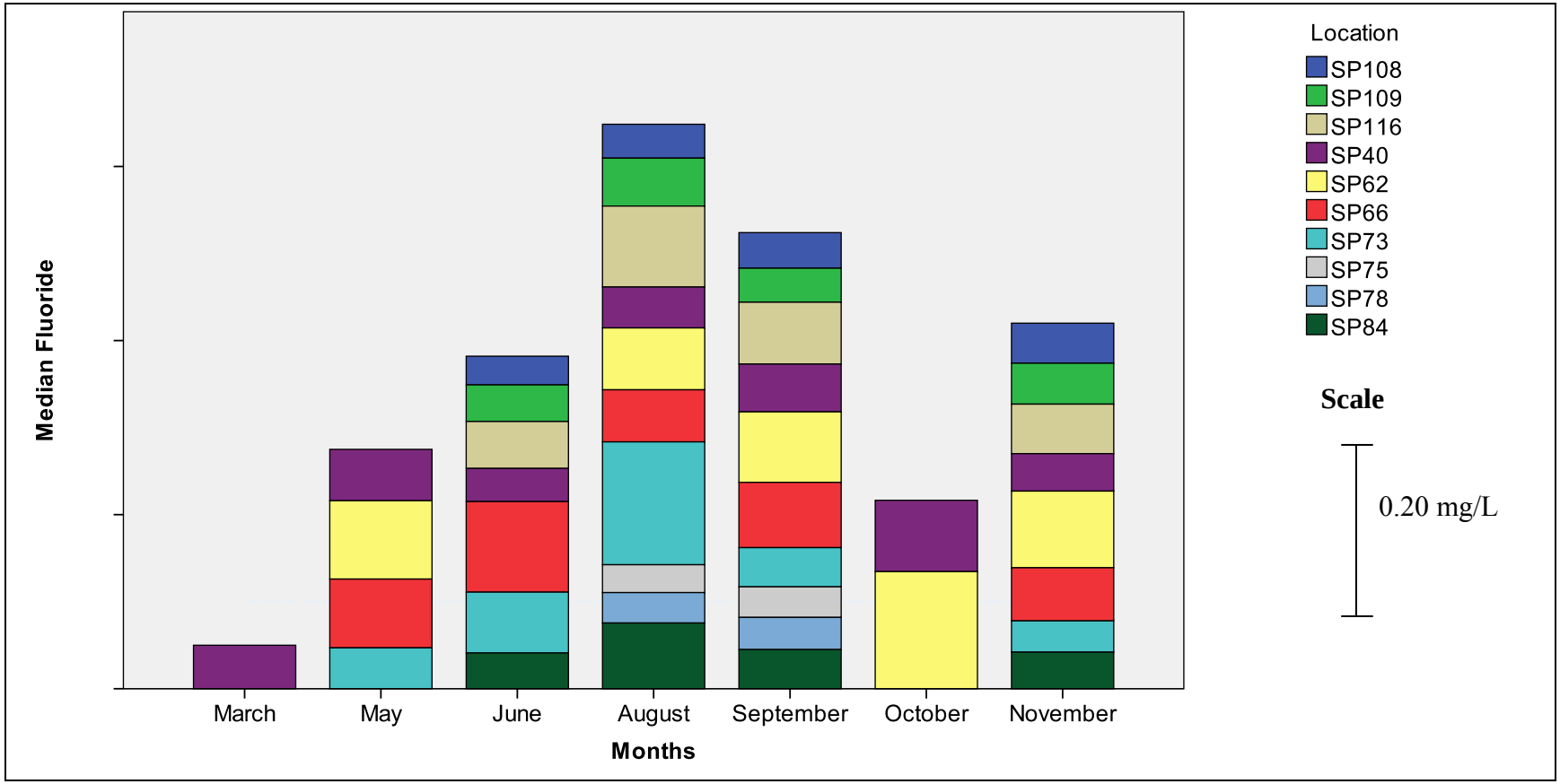


FIGURE 9.1-193
Fluoride Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

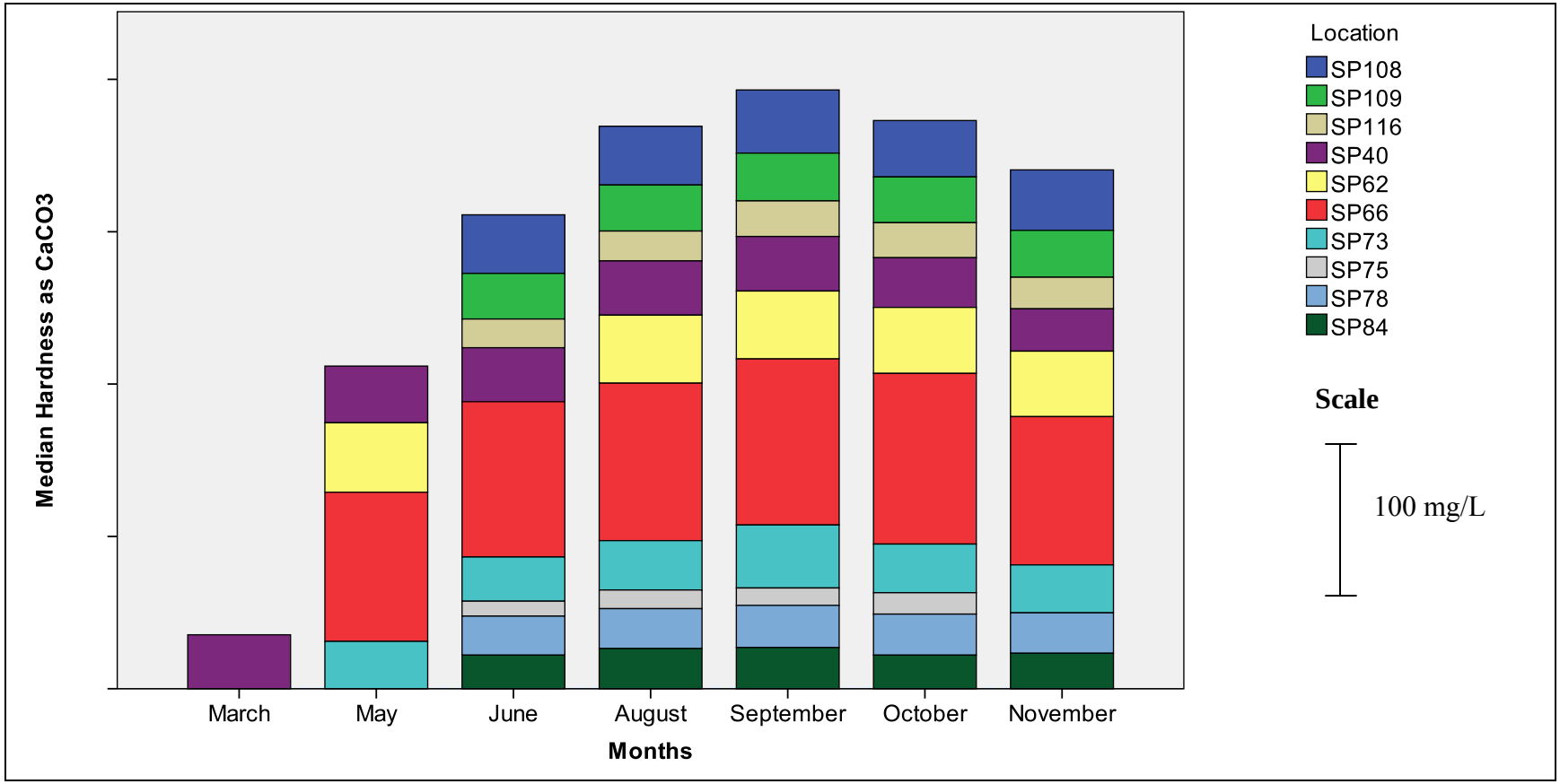


FIGURE 9.1-194
Hardness as $CaCO_3$ Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 1.0 mg/L.

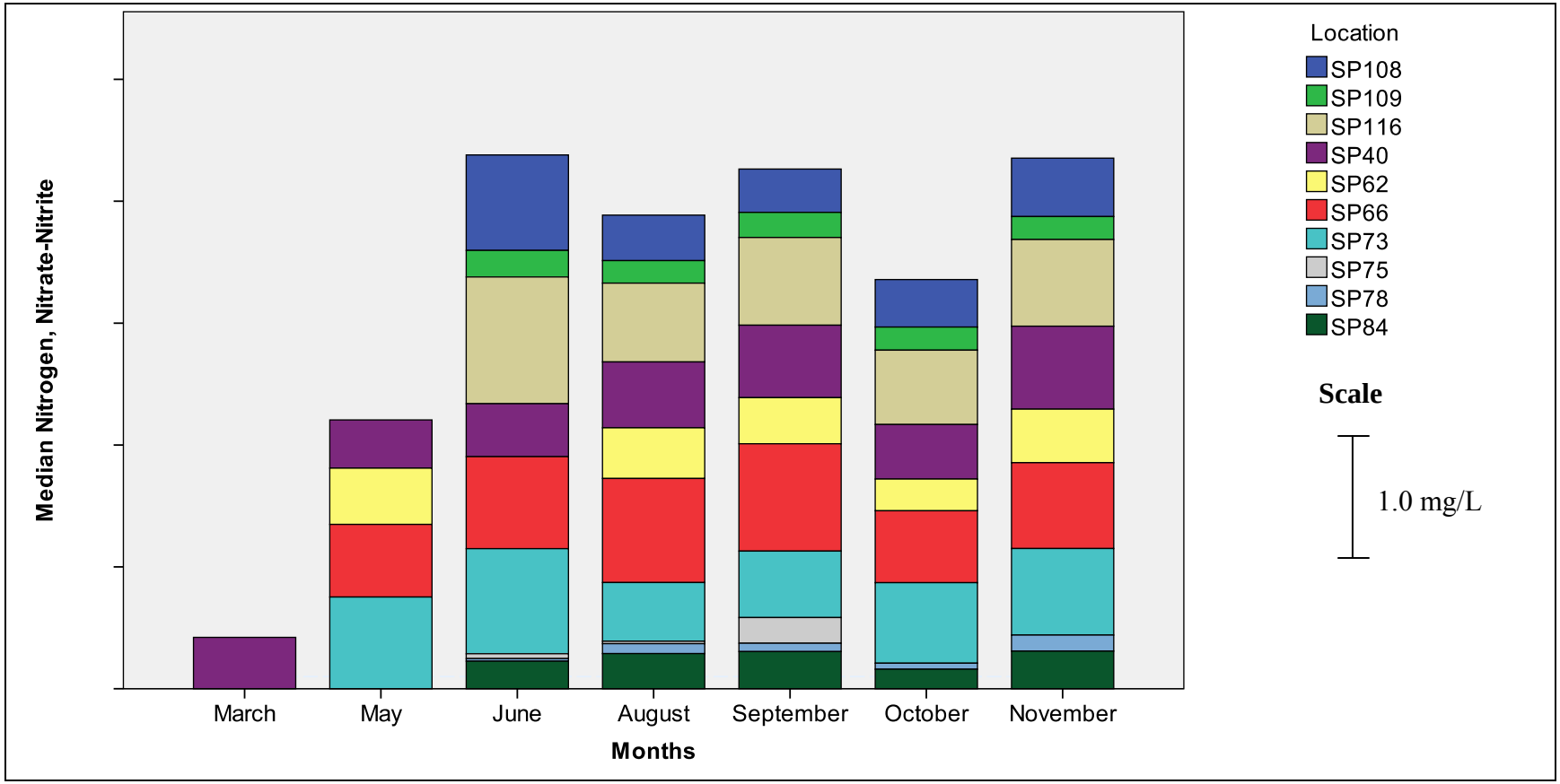


FIGURE 9.1-195
Total Nitrate+Nitrite (as N) Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.10 mg/L.

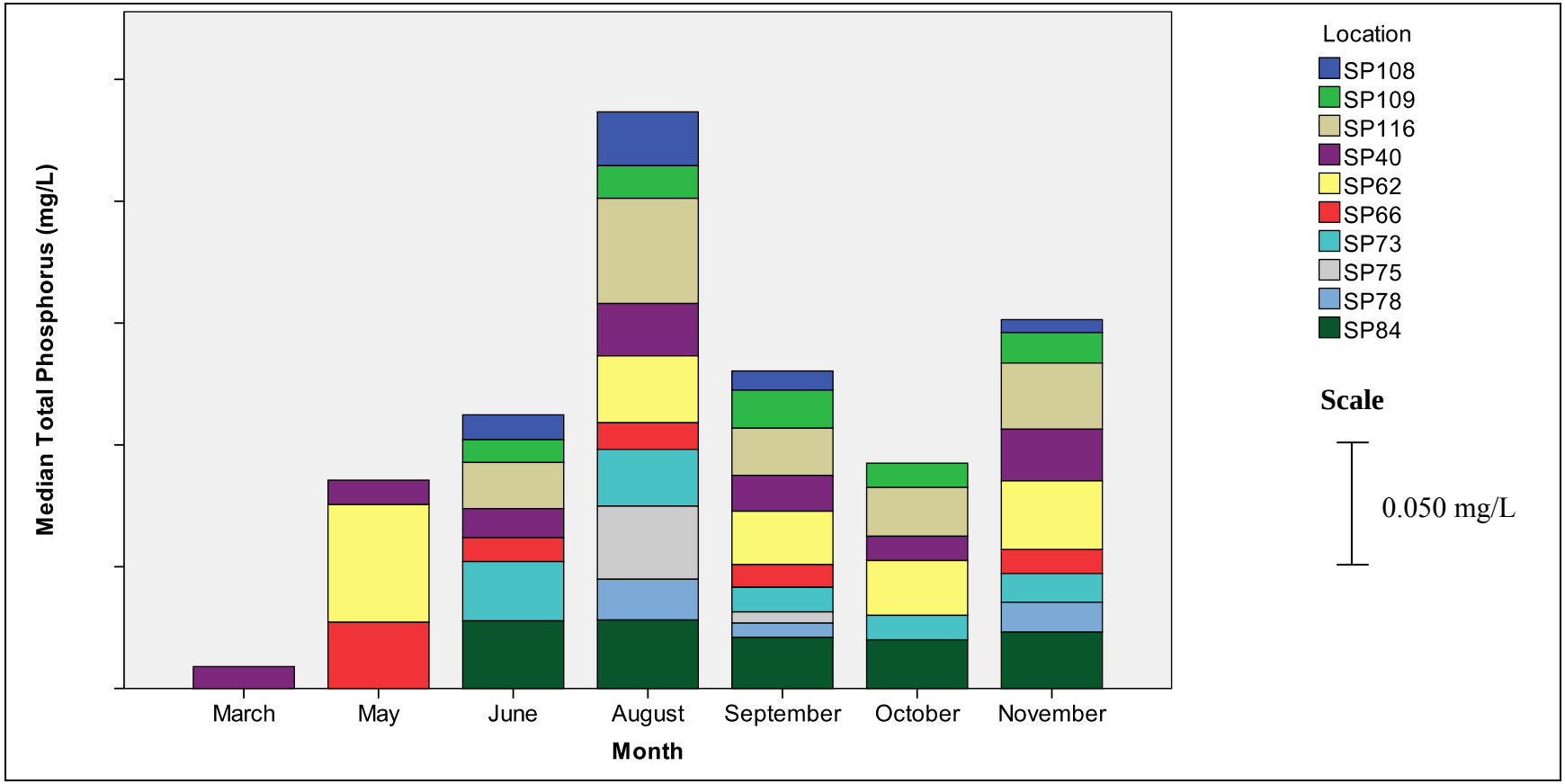


FIGURE 9.1-196
Total Phosphorus Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.010 mg/L.

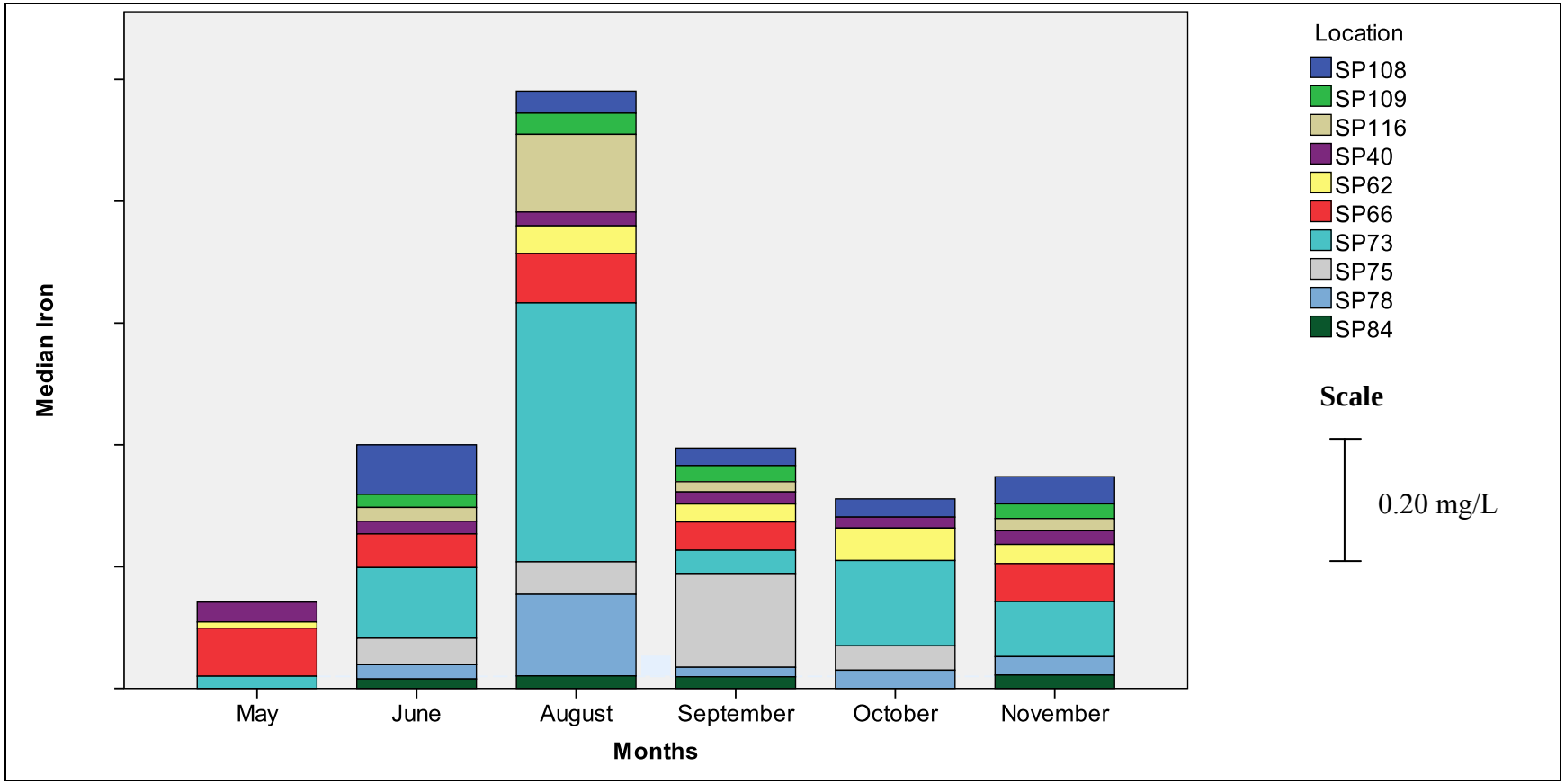


FIGURE 9.1-197
Iron Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.020 mg/L.

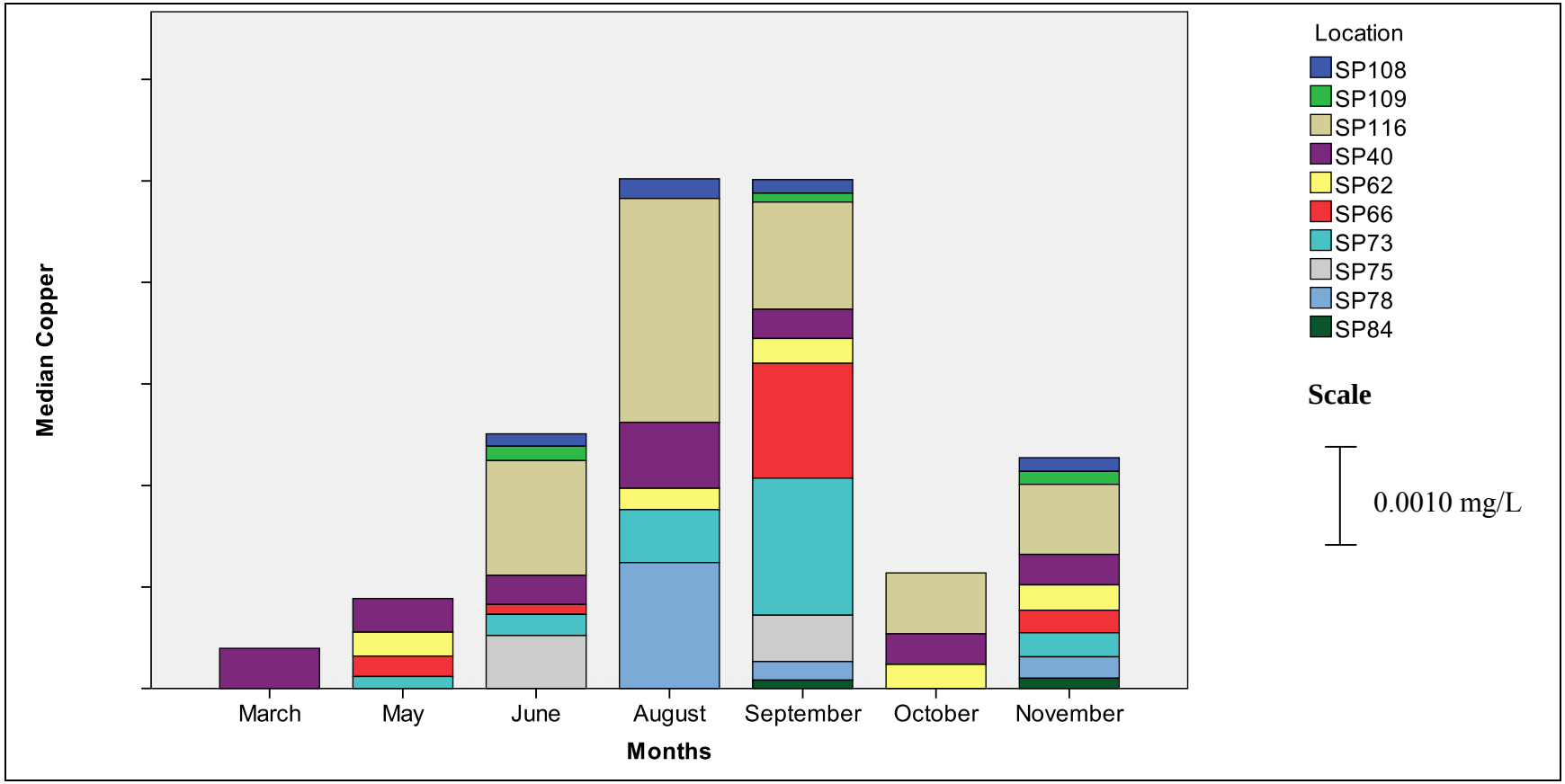


FIGURE 9.1-198
Copper Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00010 mg/L.

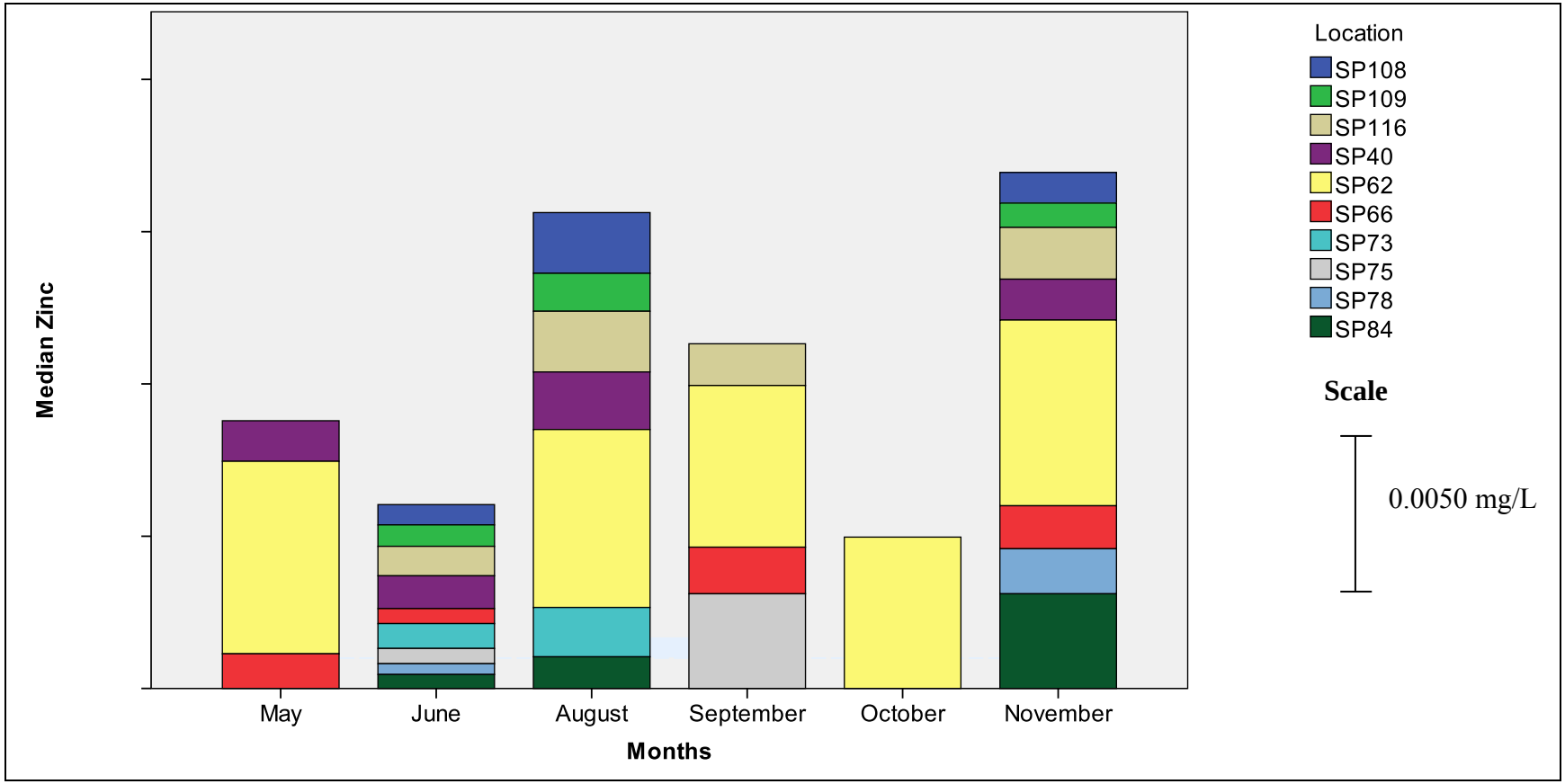


FIGURE 9.1-199
Zinc Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.0010 mg/L.

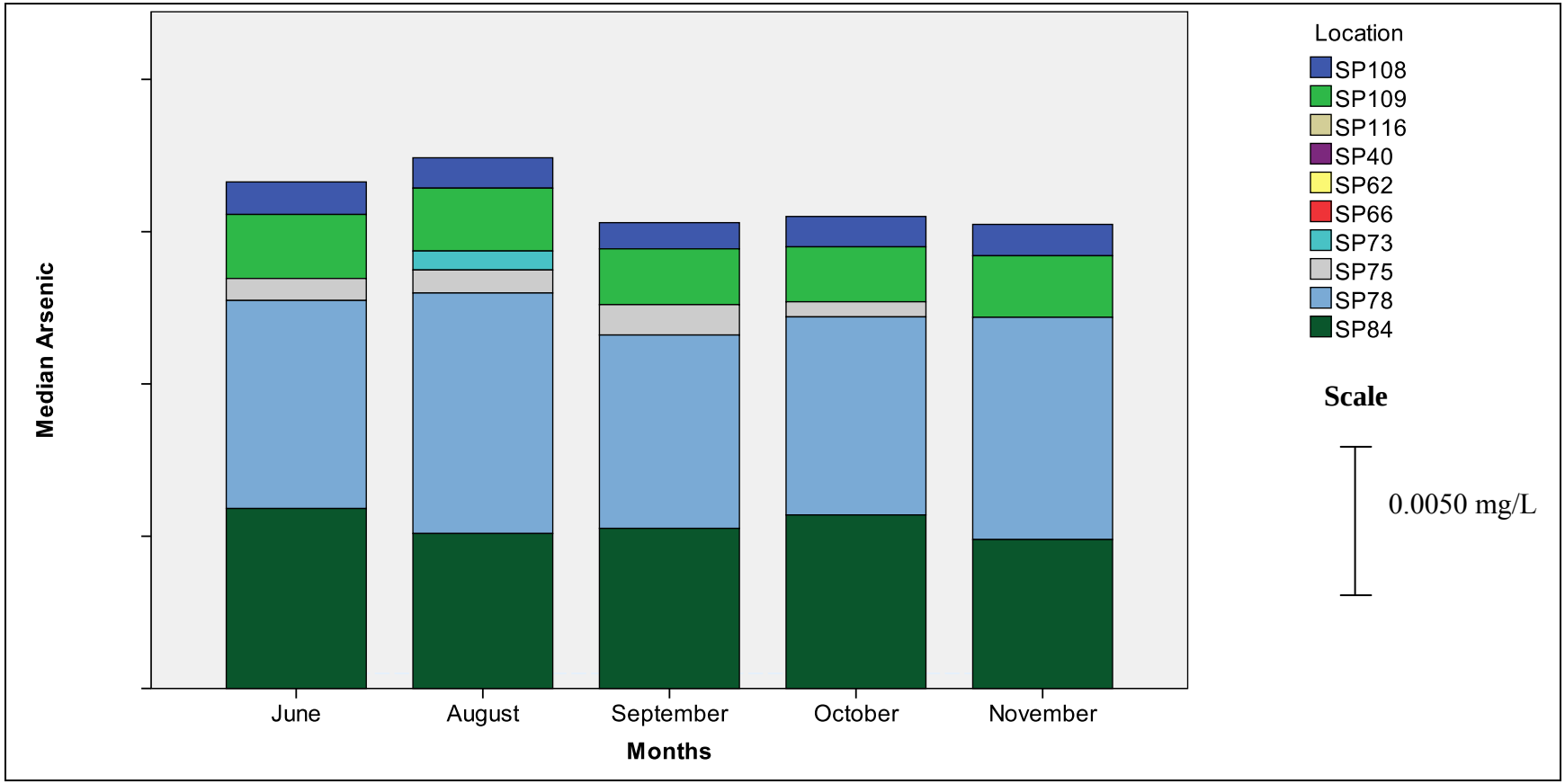


FIGURE 9.1-200
Arsenic Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00050 mg/L.

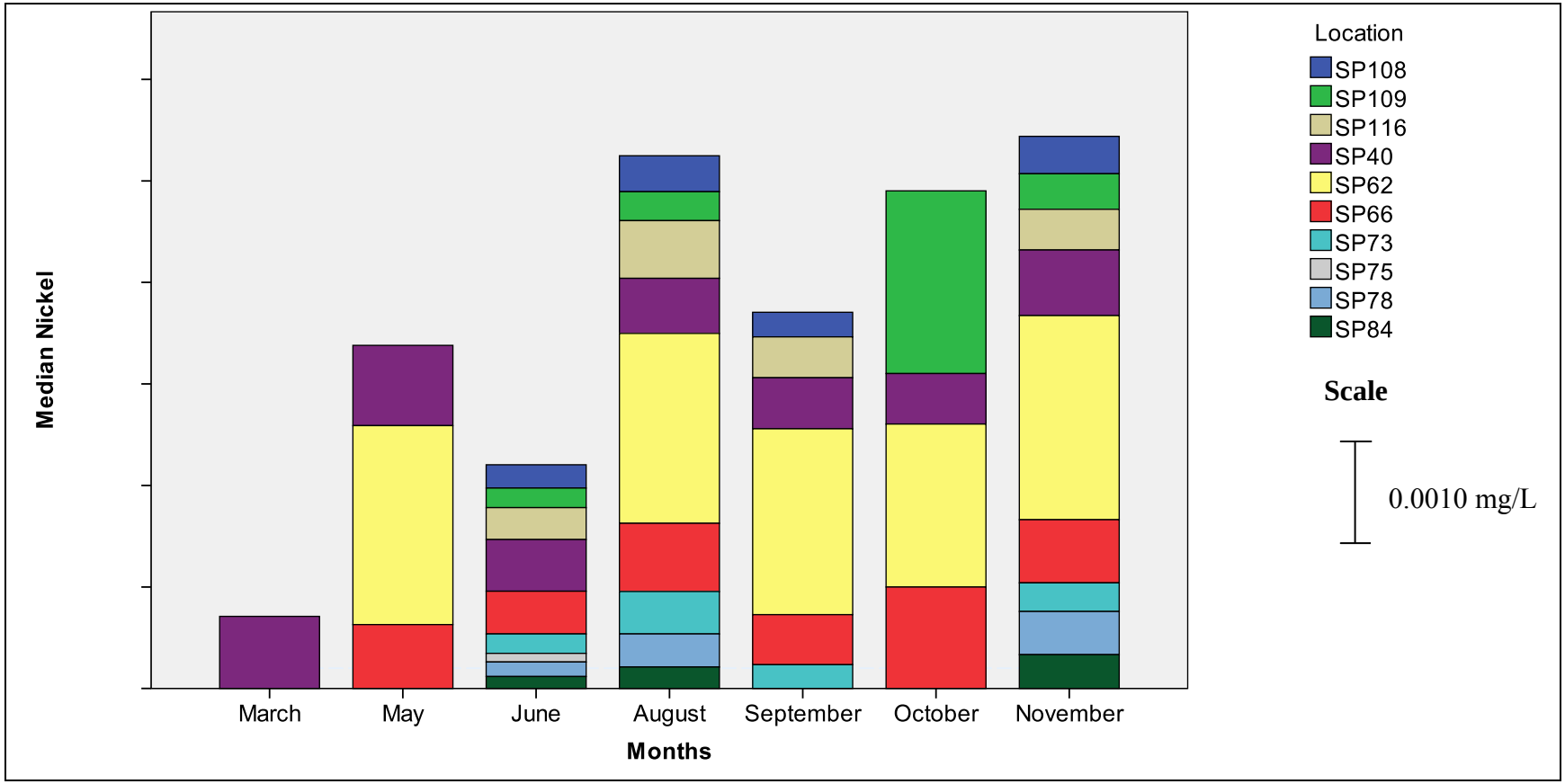


FIGURE 9.1-201
Nickel Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.00020 mg/L.

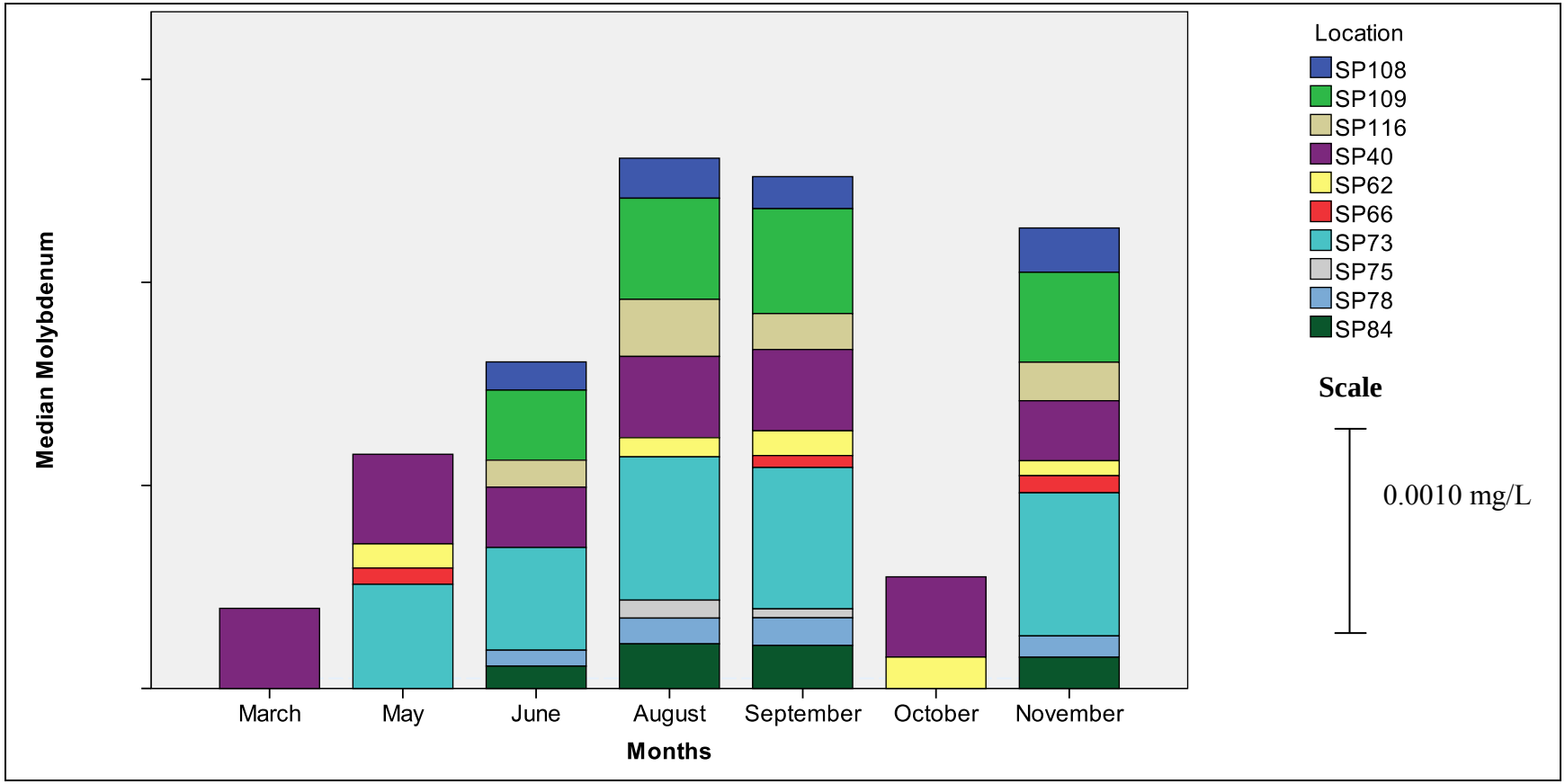


FIGURE 9.1-202
Molybdenum Seep Water Samples: Comparative Distribution of Mean Concentrations by Location and Month, Seeps in the Upper Talarik Creek Drainage

Notes:

Stacked graphs do not indicate cumulative or additive concentrations for the overall drainage, they are solely meant to display the variable concentrations amongst stations in relation to their location in the drainage.

Median concentrations are for all years (2004-2008) with available data for each month and sample location.

Only detected values are shown. Analyte concentrations are in milligrams per liter (mg/L). Method reporting limit (MRL) = 0.000050 mg/L.

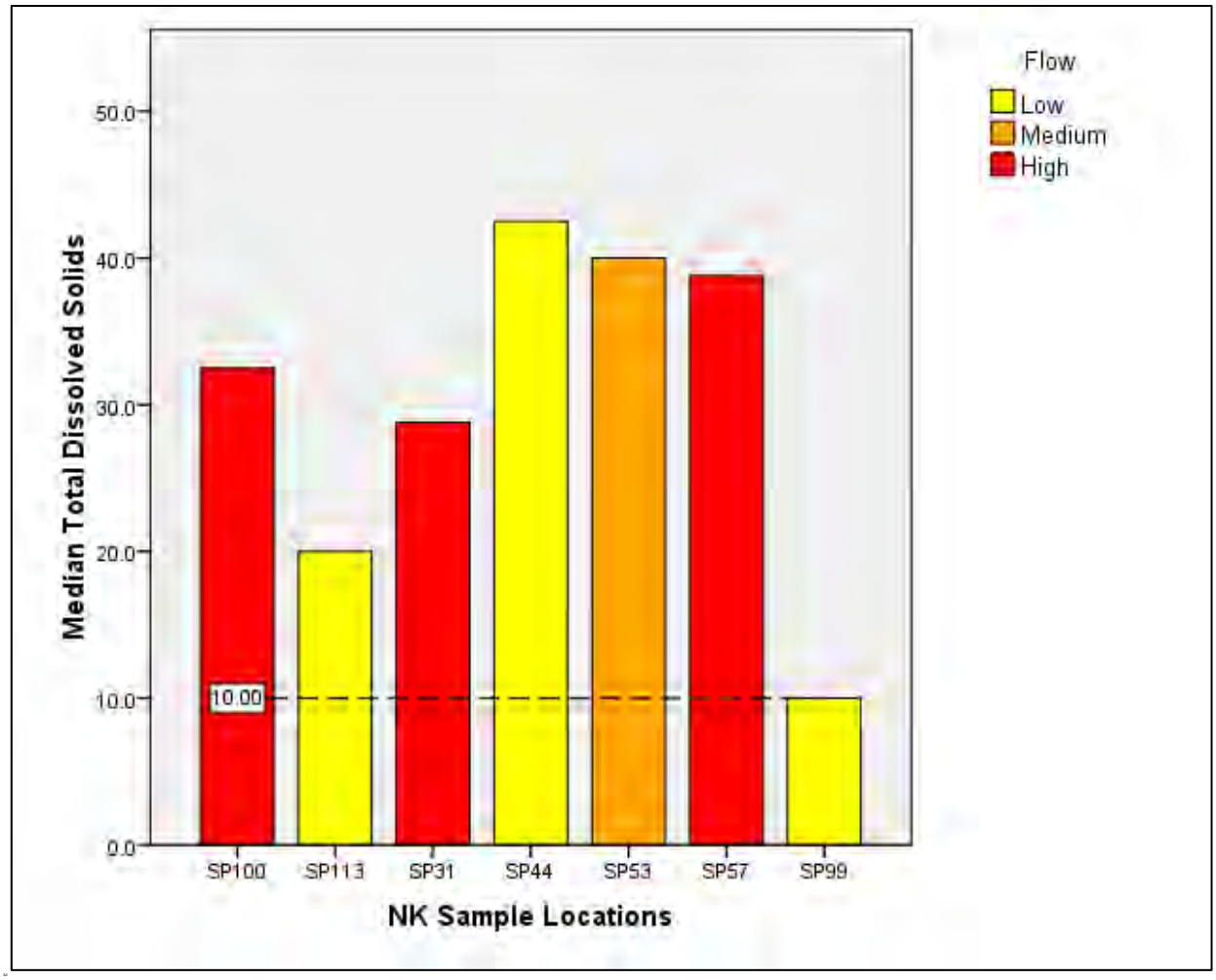


FIGURE 9.1-203
Total Dissolved Solids Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

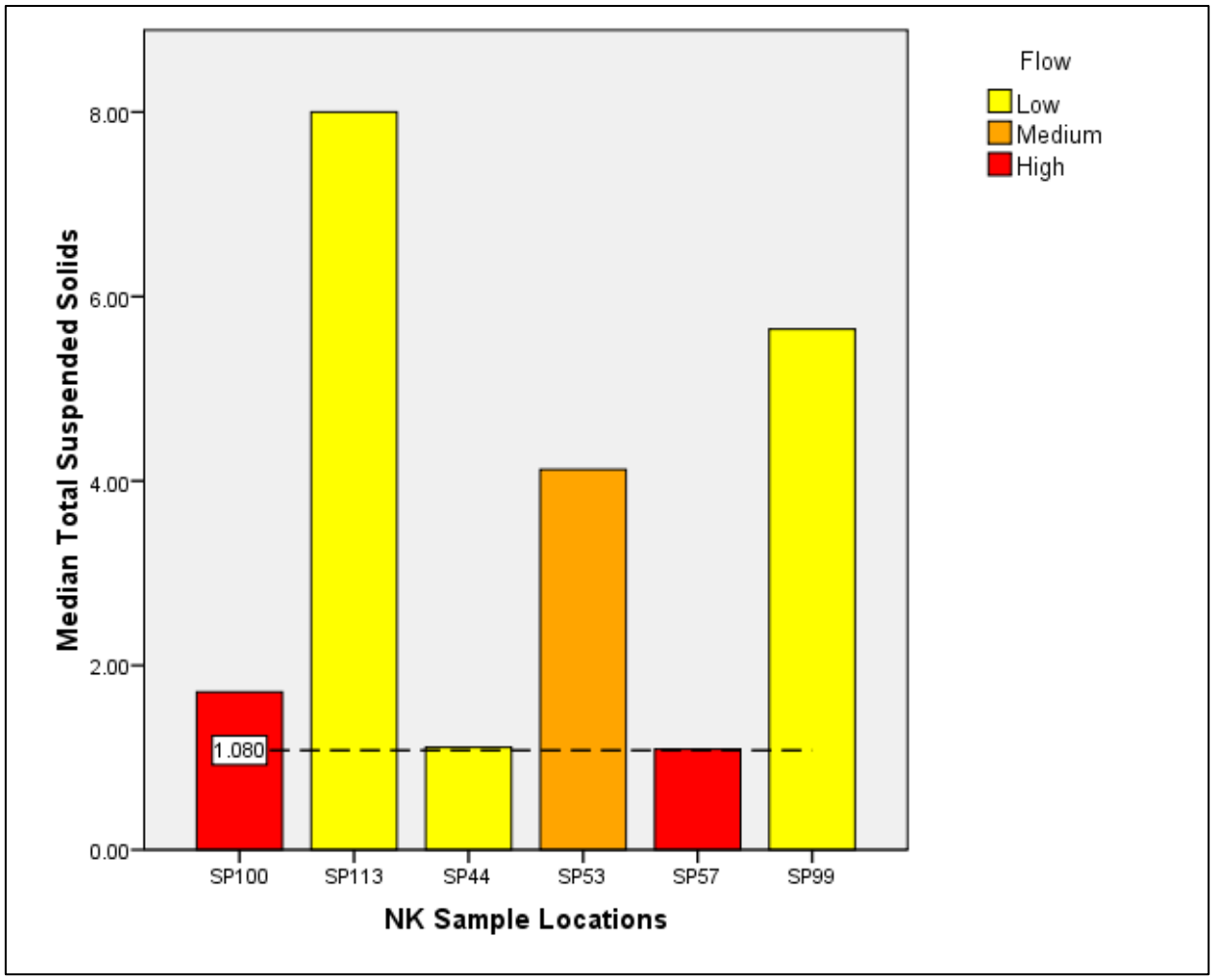


FIGURE 9.1-204
Total Suspended Solids Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

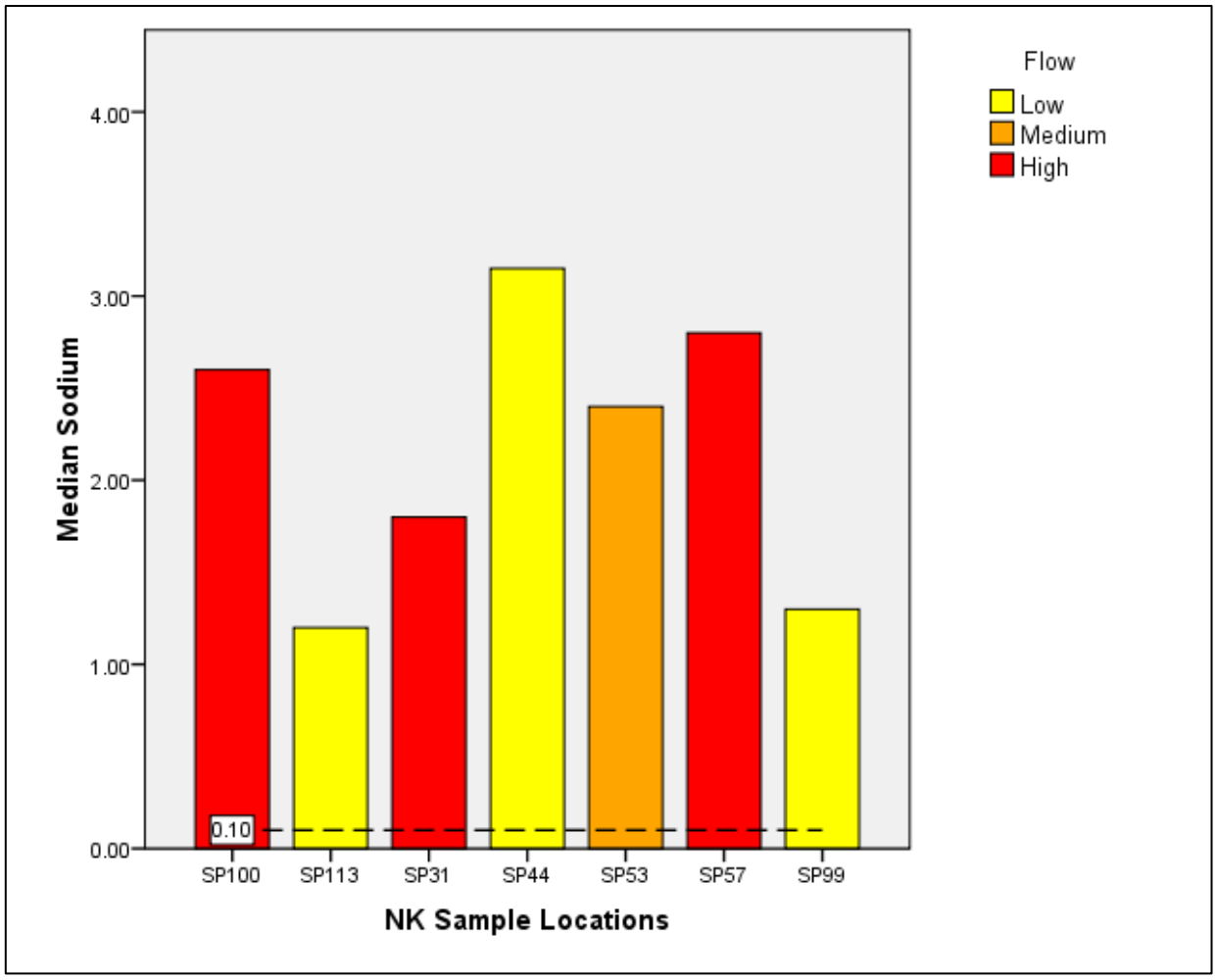


FIGURE 9.1-205
Sodium Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

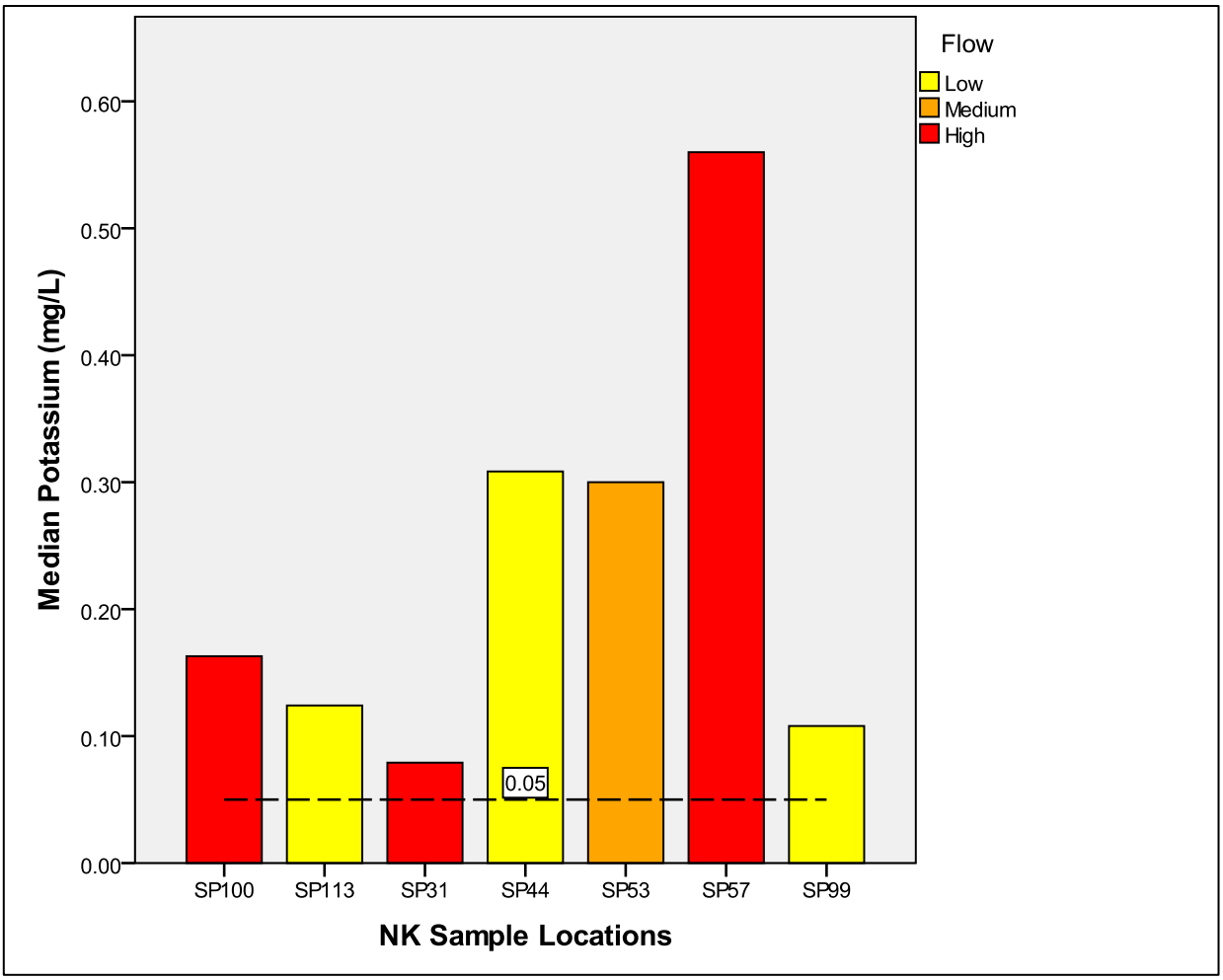


FIGURE 9.1-206
Potassium Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

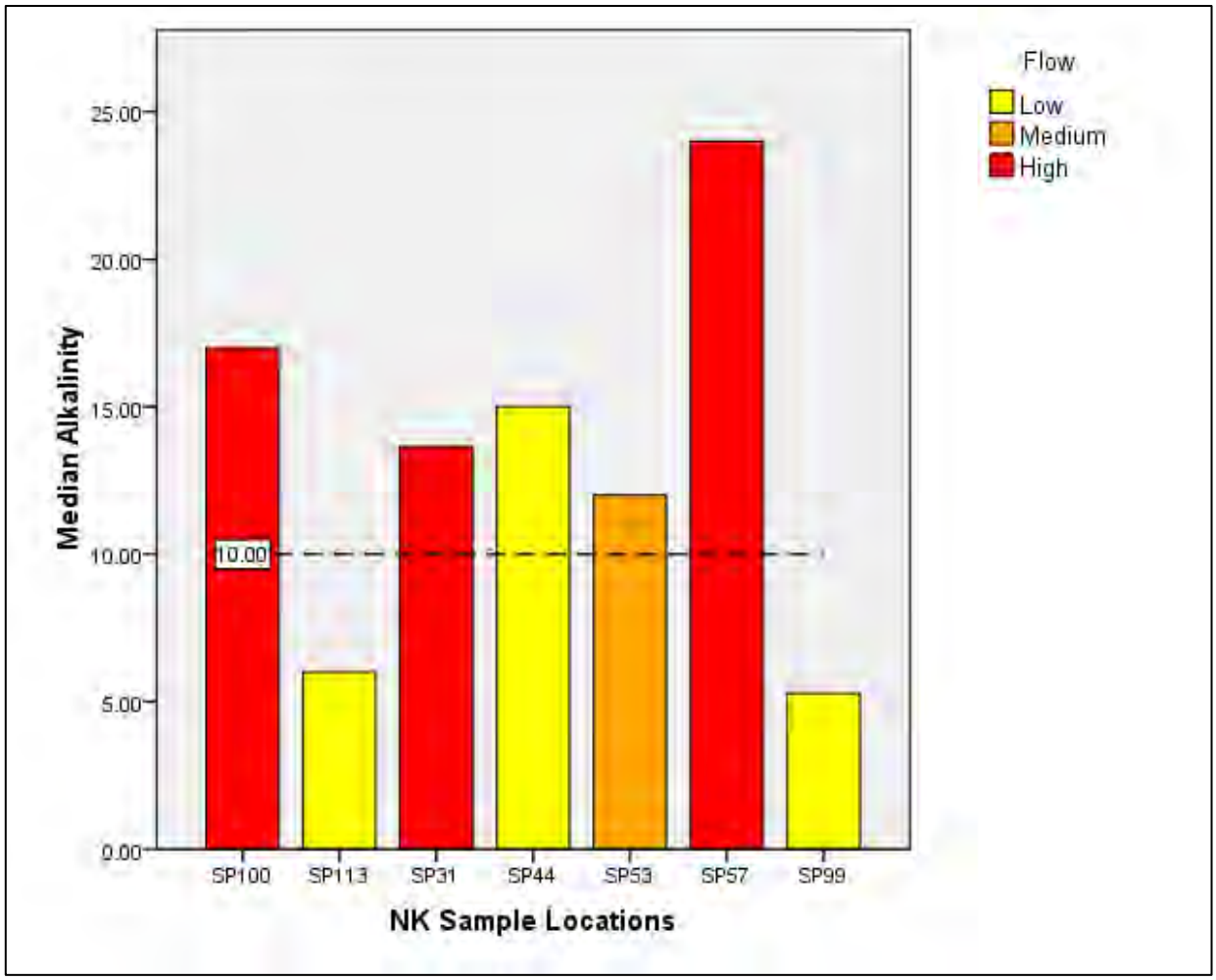


FIGURE 9.1-207
Alkalinity Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

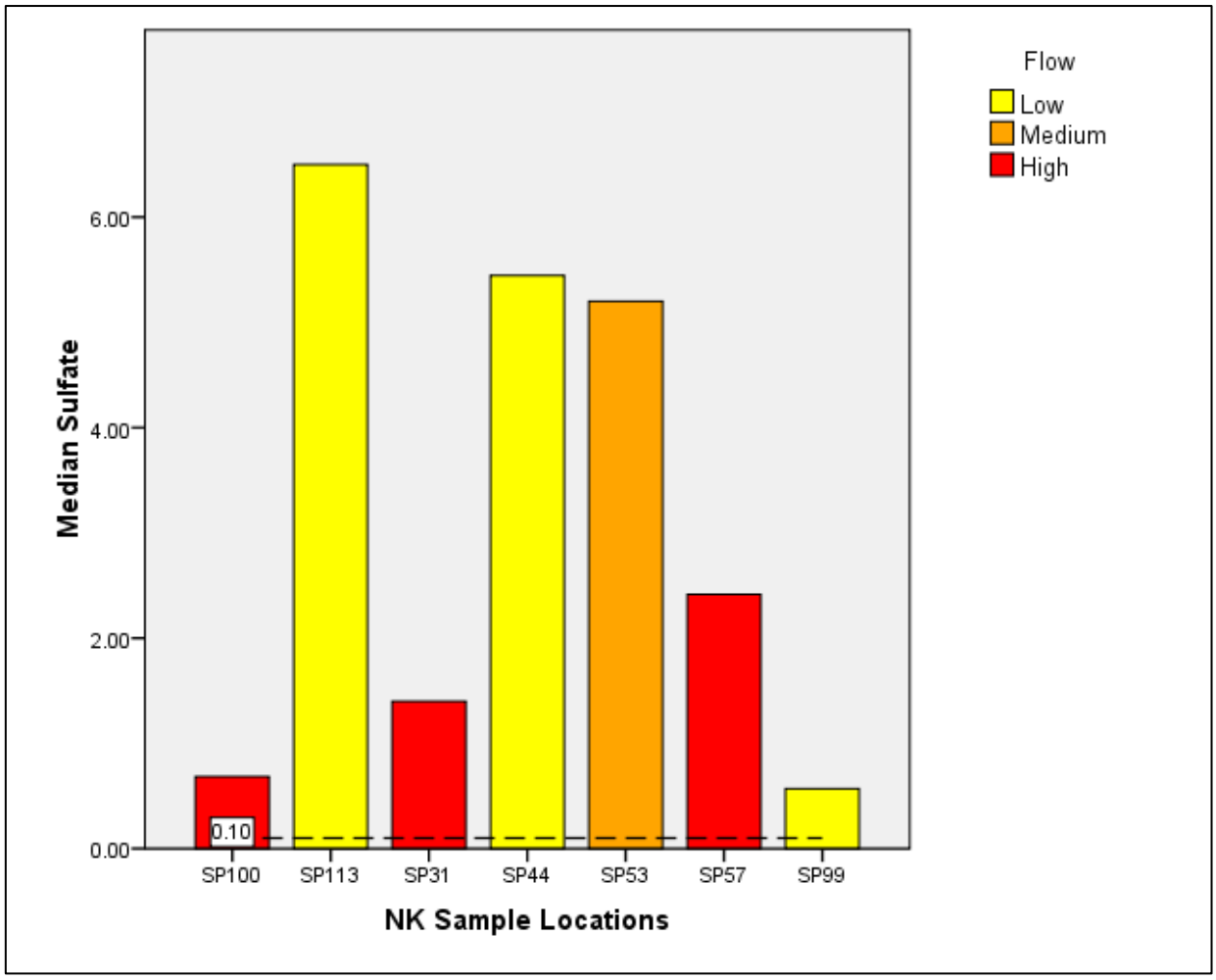


FIGURE 9.1-208
Sulfate Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

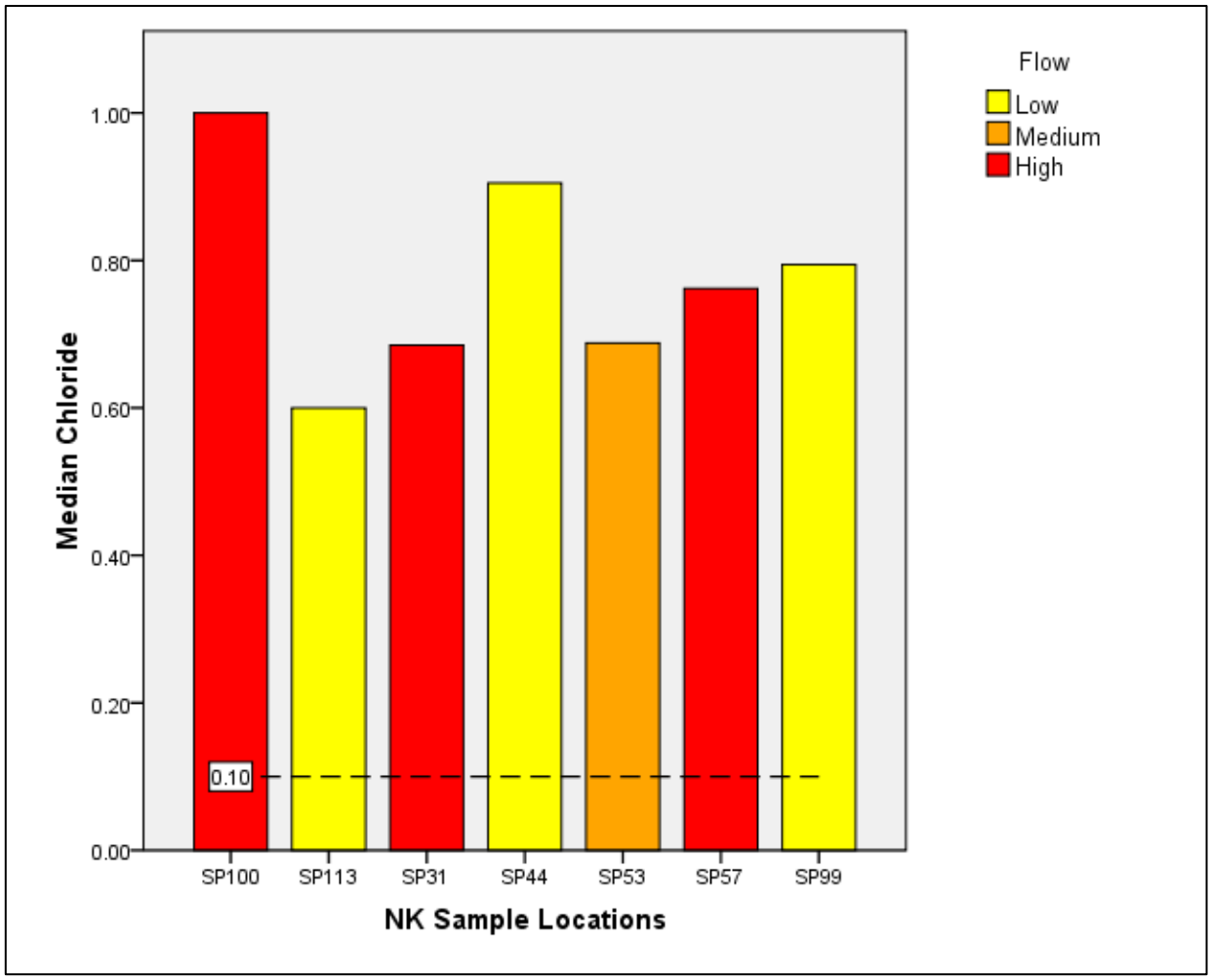


FIGURE 9.1-209
Chloride Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

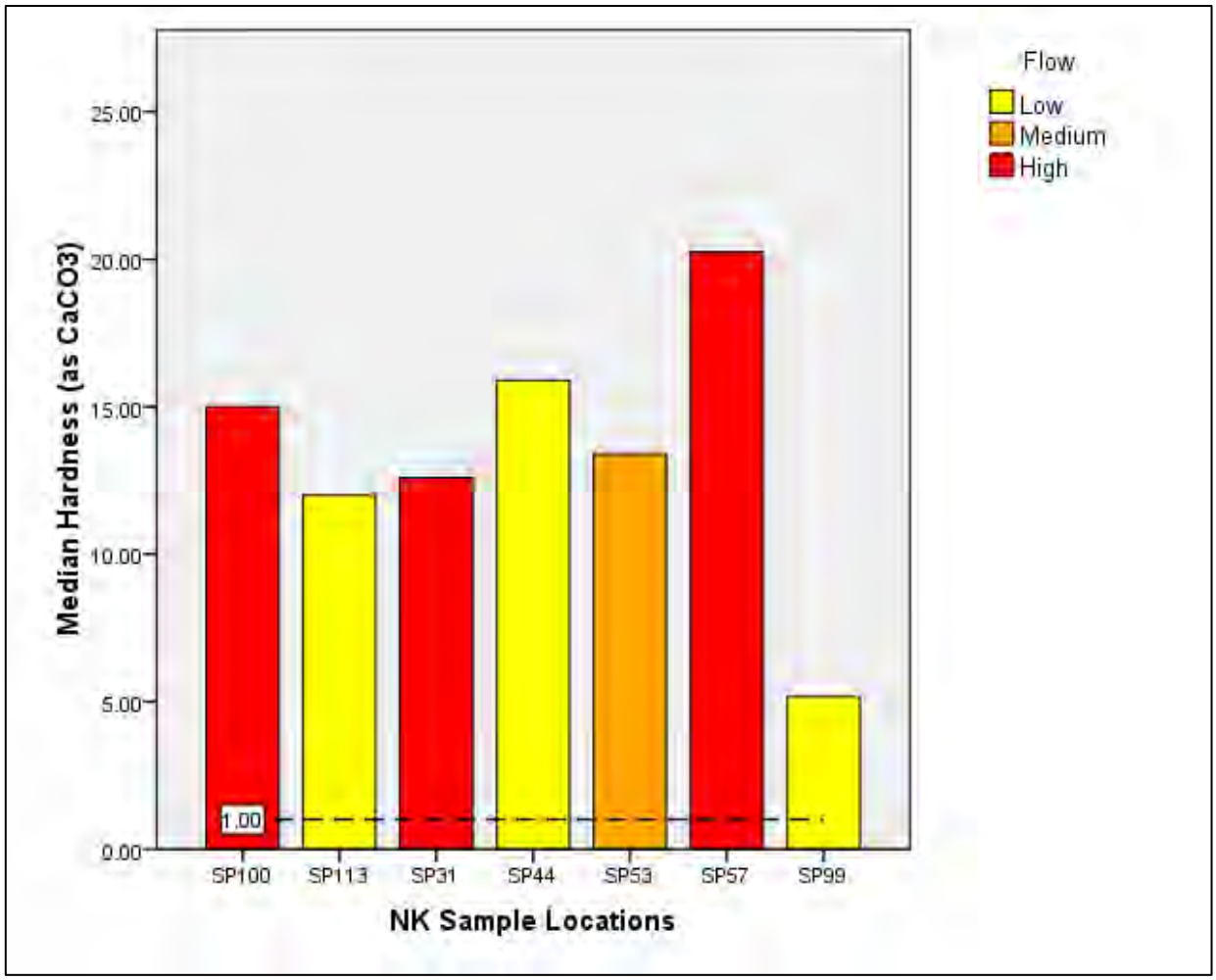


FIGURE 9.1-210
Hardness as $CaCO_3$ Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

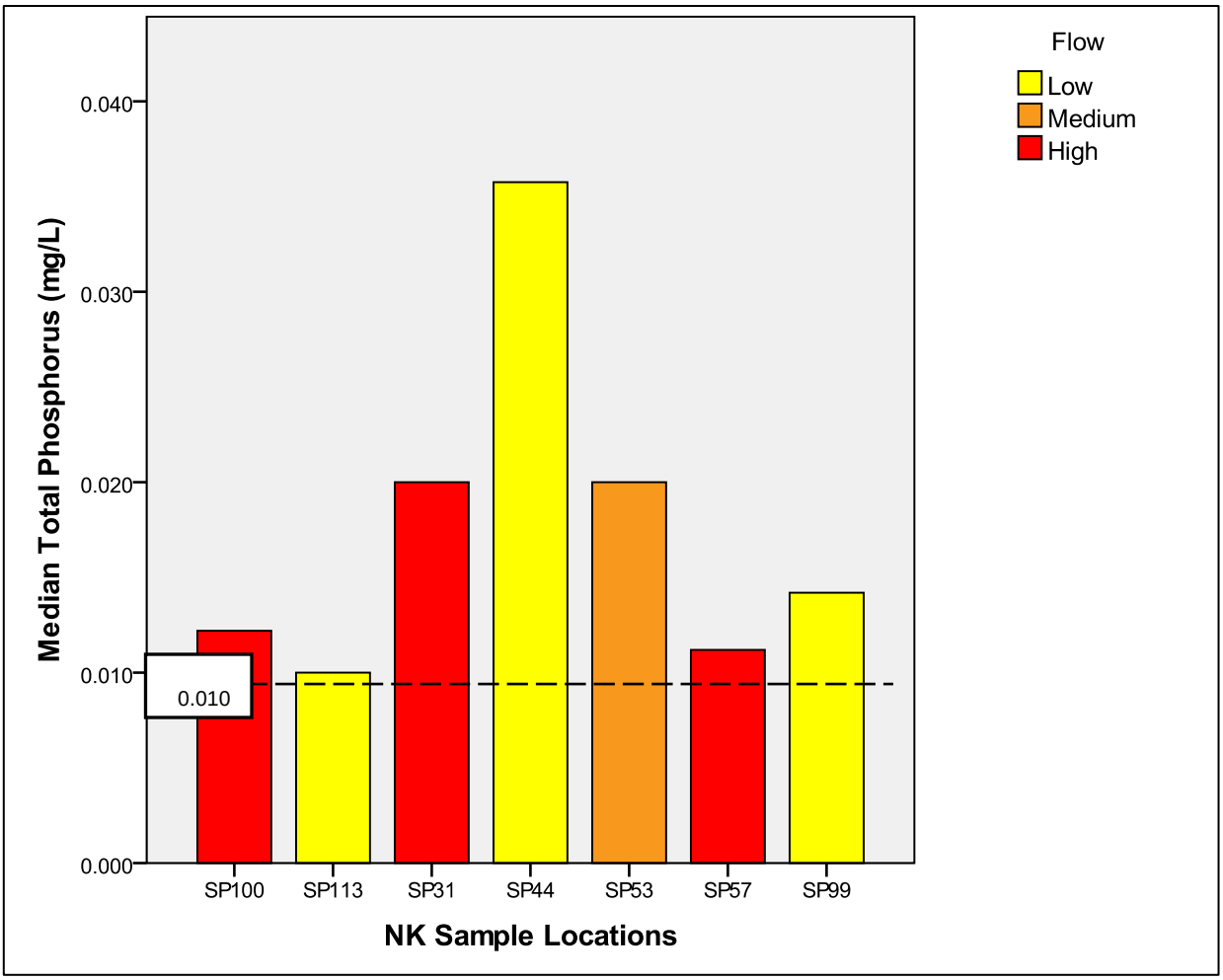


FIGURE 9.1-211
Total Phosphorus Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

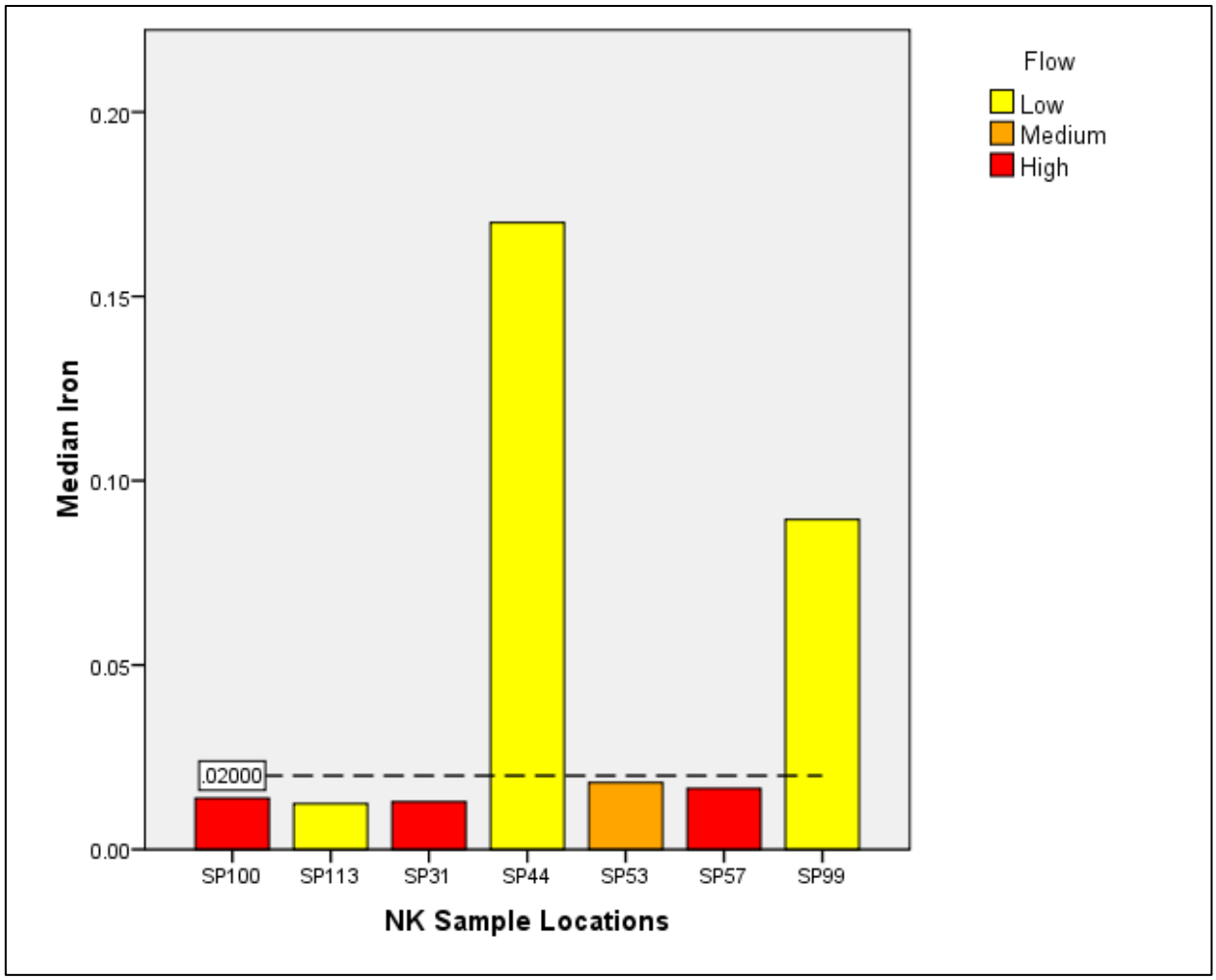


FIGURE 9.1-212
Iron Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

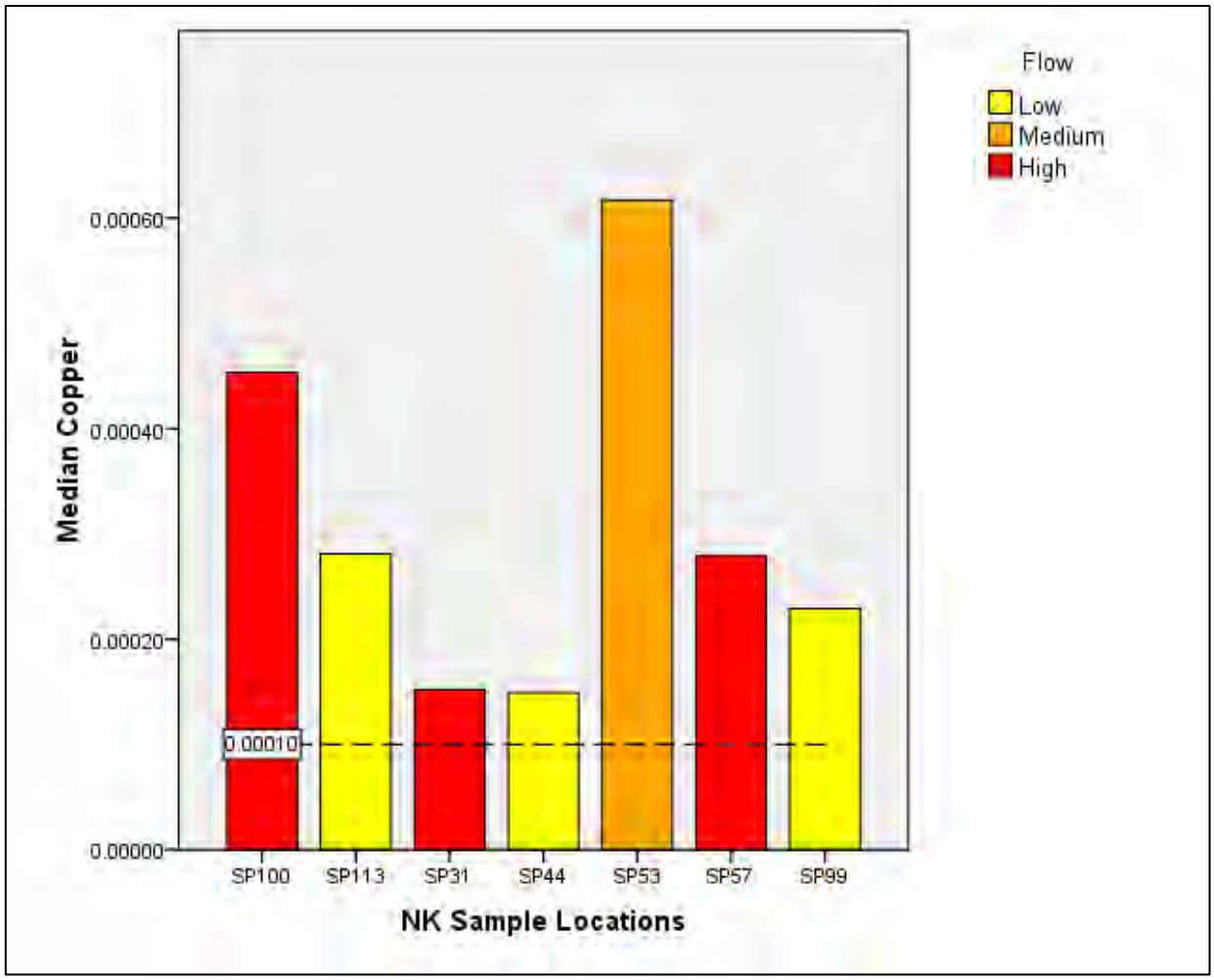


FIGURE 9.1-213
Copper Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

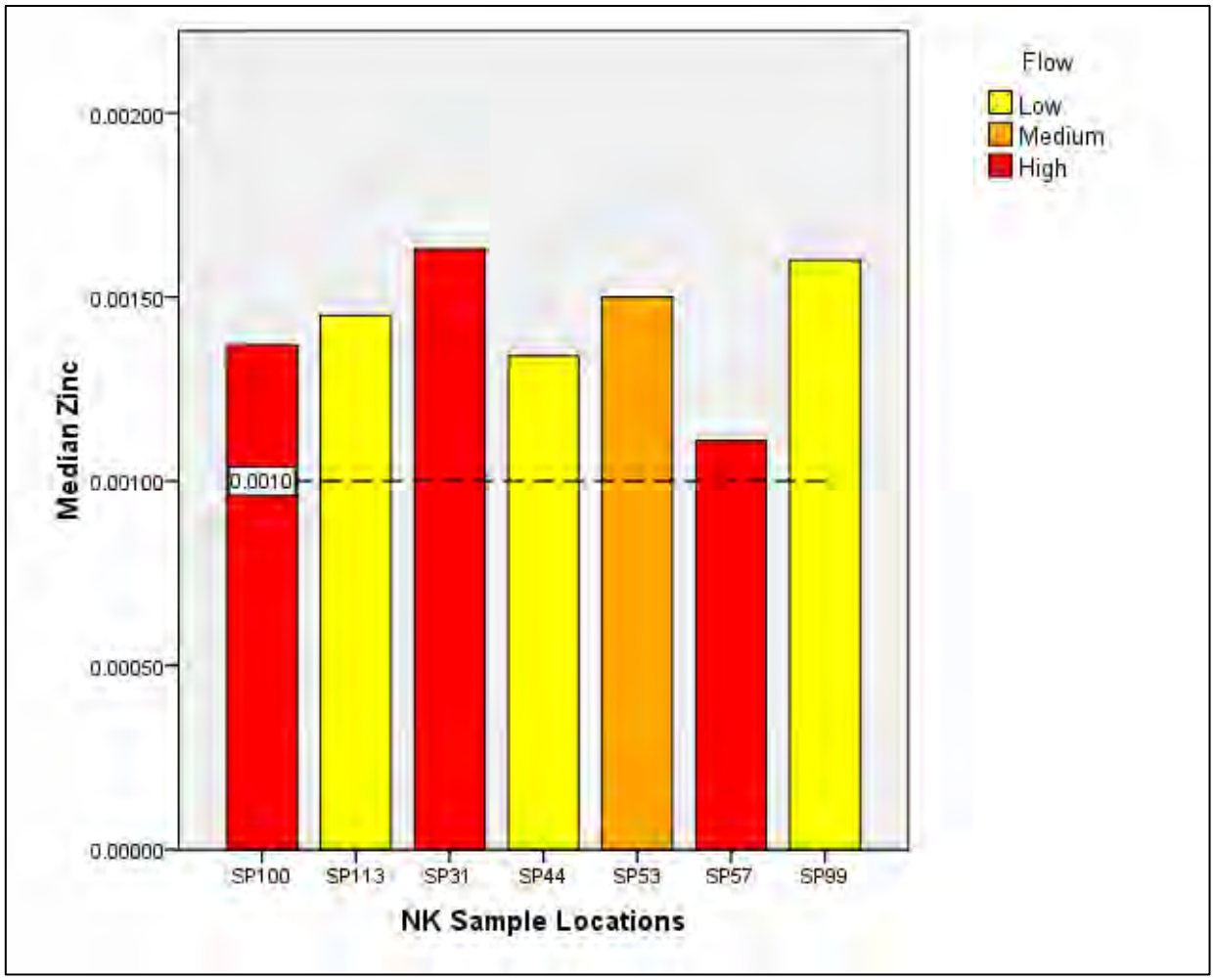


FIGURE 9.1-214
Zinc Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

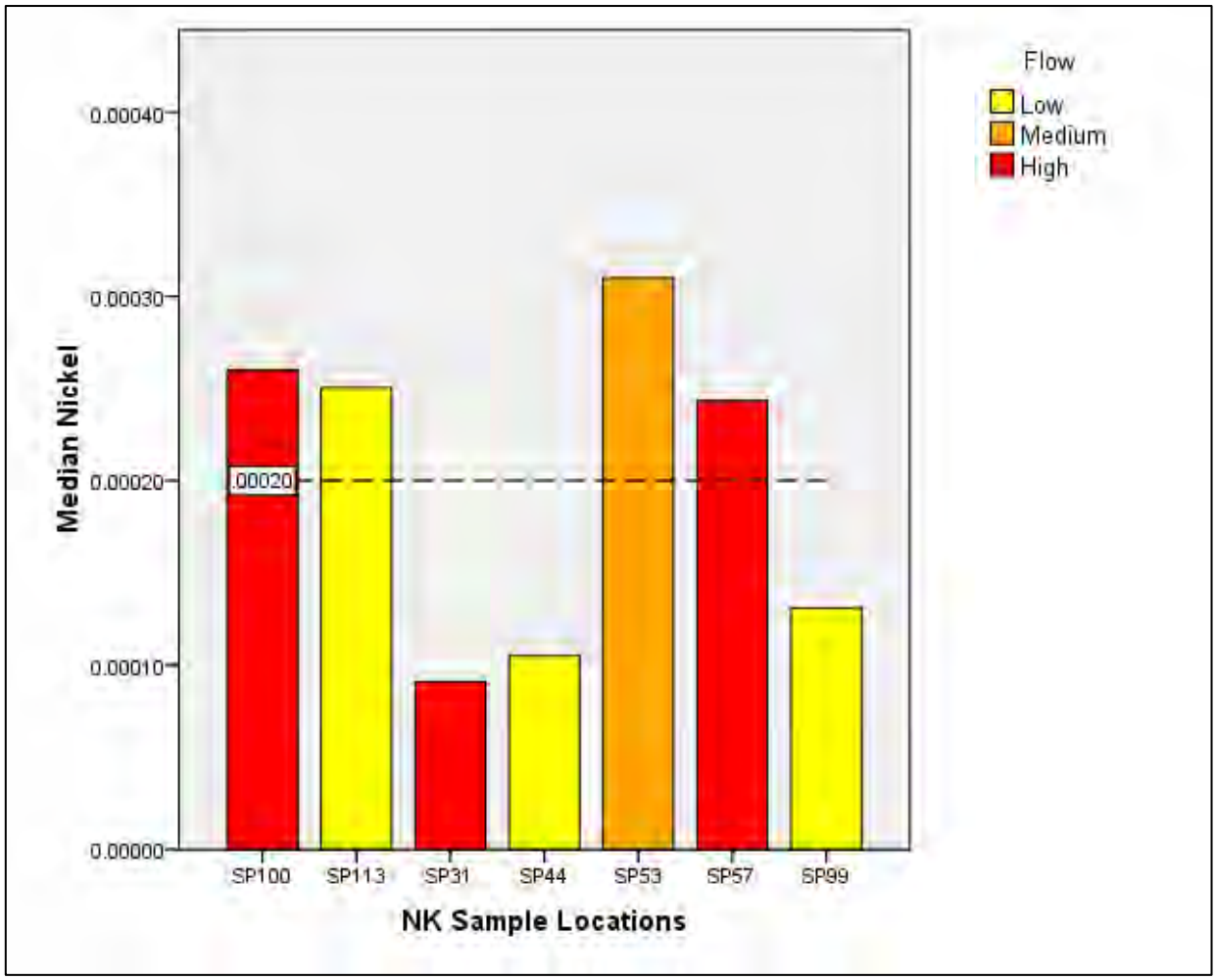


FIGURE 9.1-215
Nickel Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

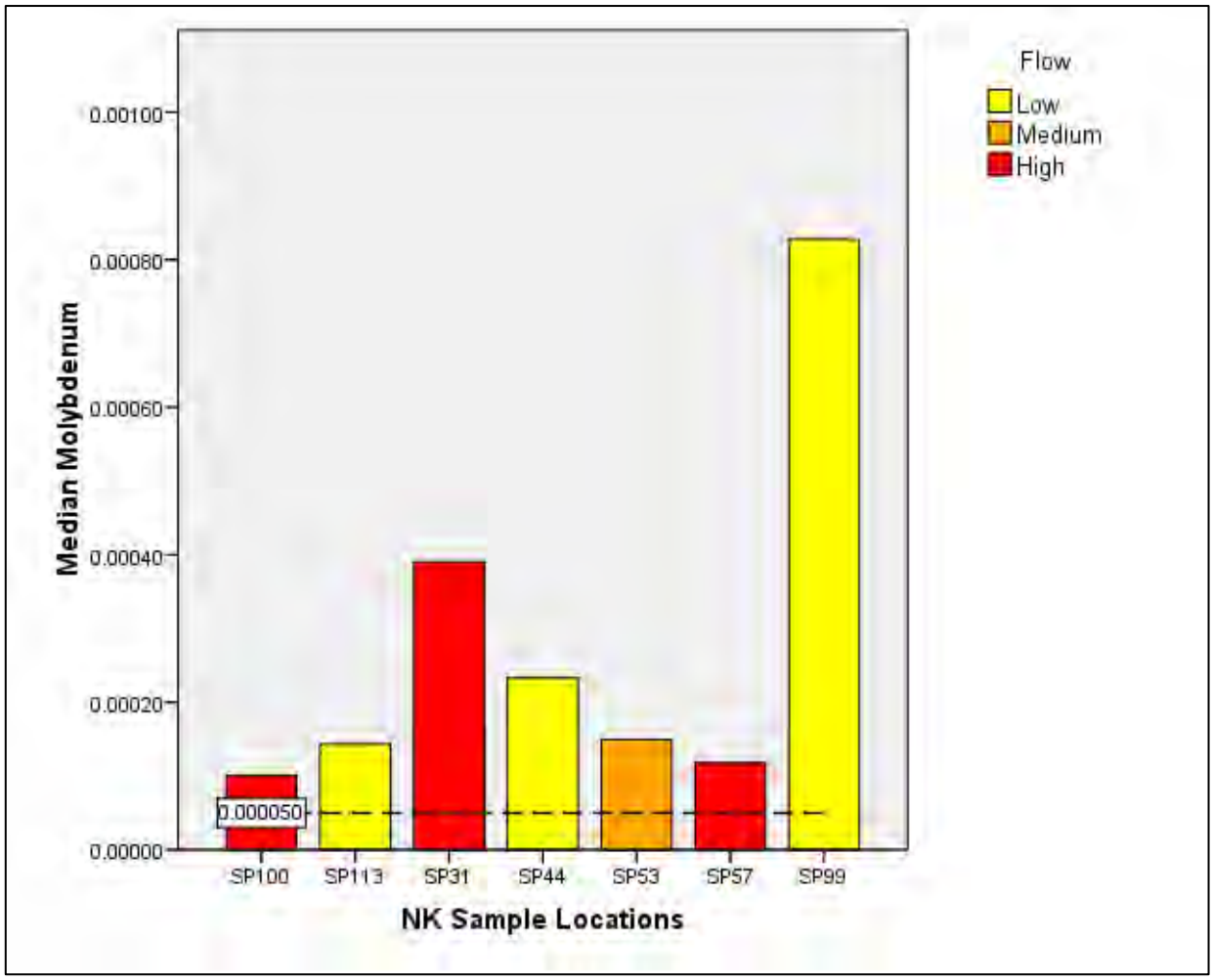


FIGURE 9.1-216
Molybdenum Concentrations and Flow Velocity in Seeps by Location, North Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

NK = North Fork Koktuli.

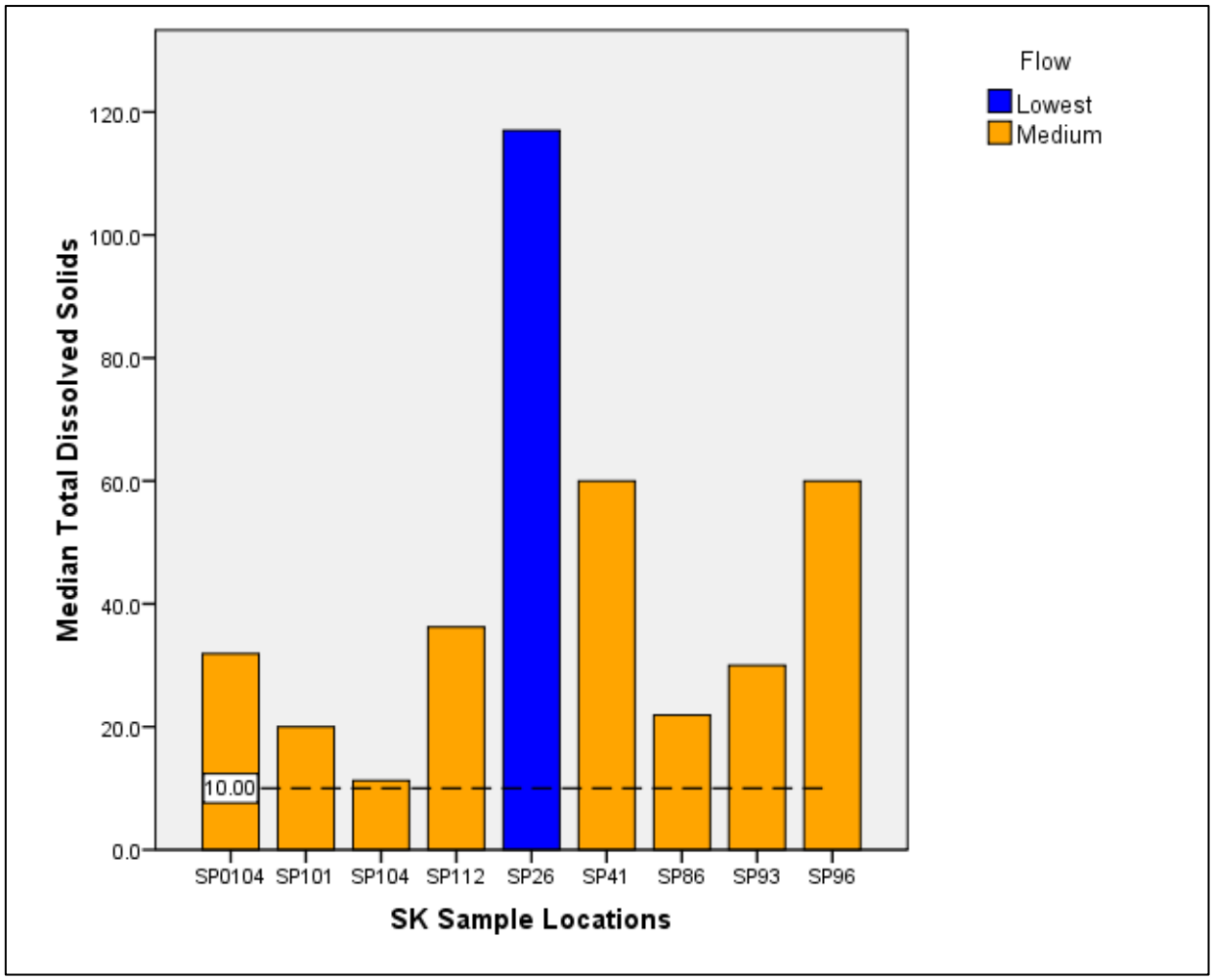


FIGURE 9.1-217
Total Dissolved Solids Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

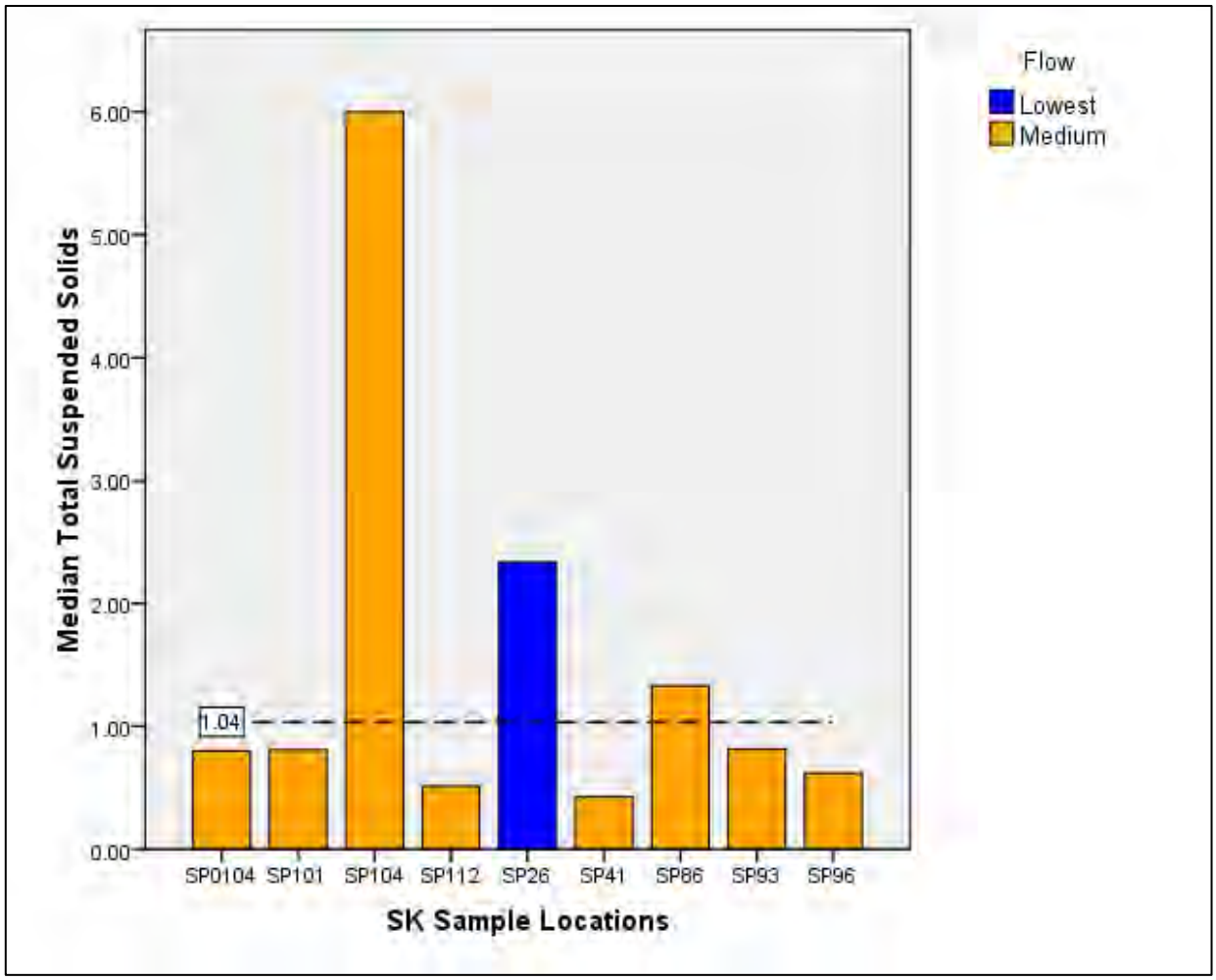


FIGURE 9.1-218
Total Suspended Solids Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

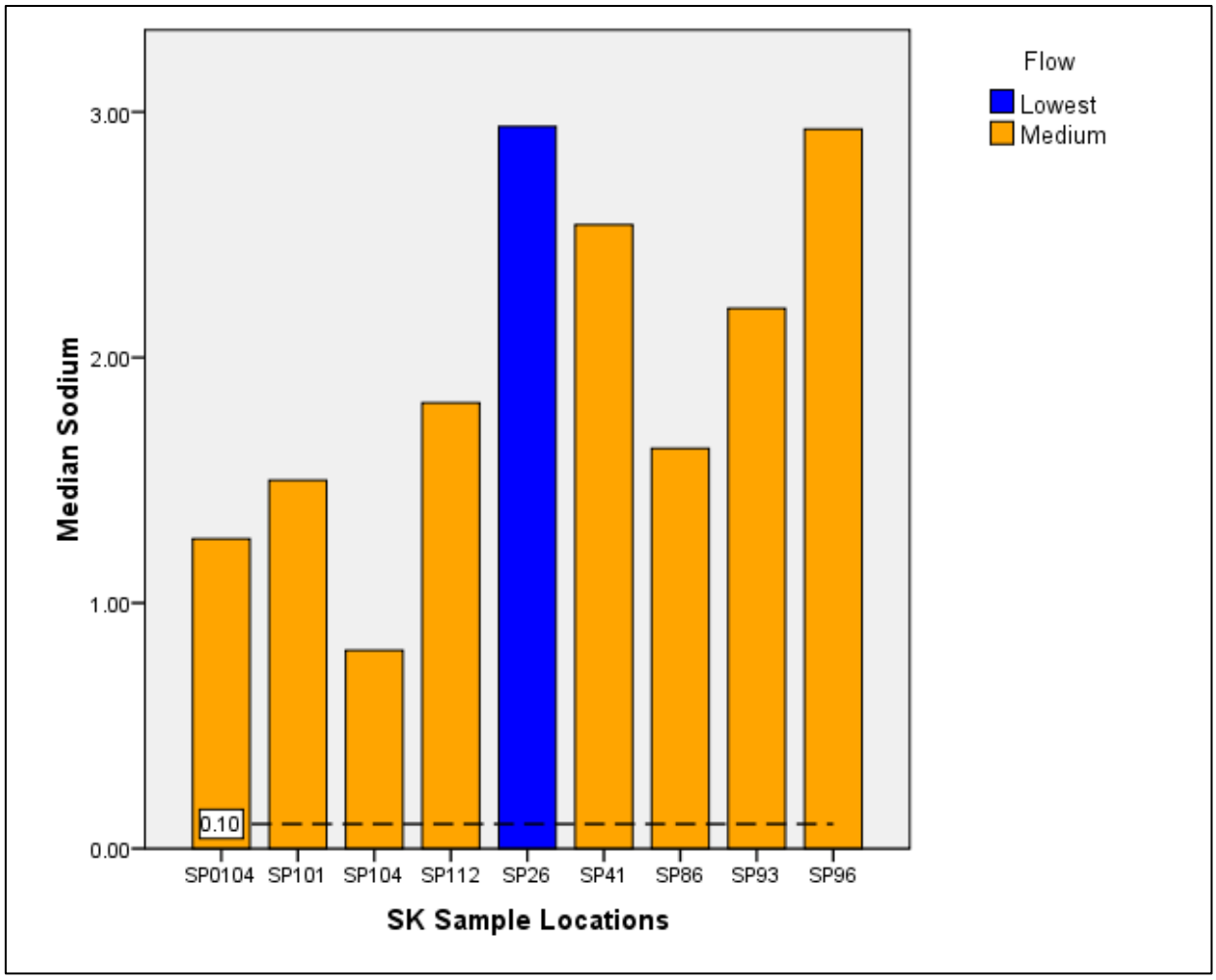


FIGURE 9.1-219
Sodium Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

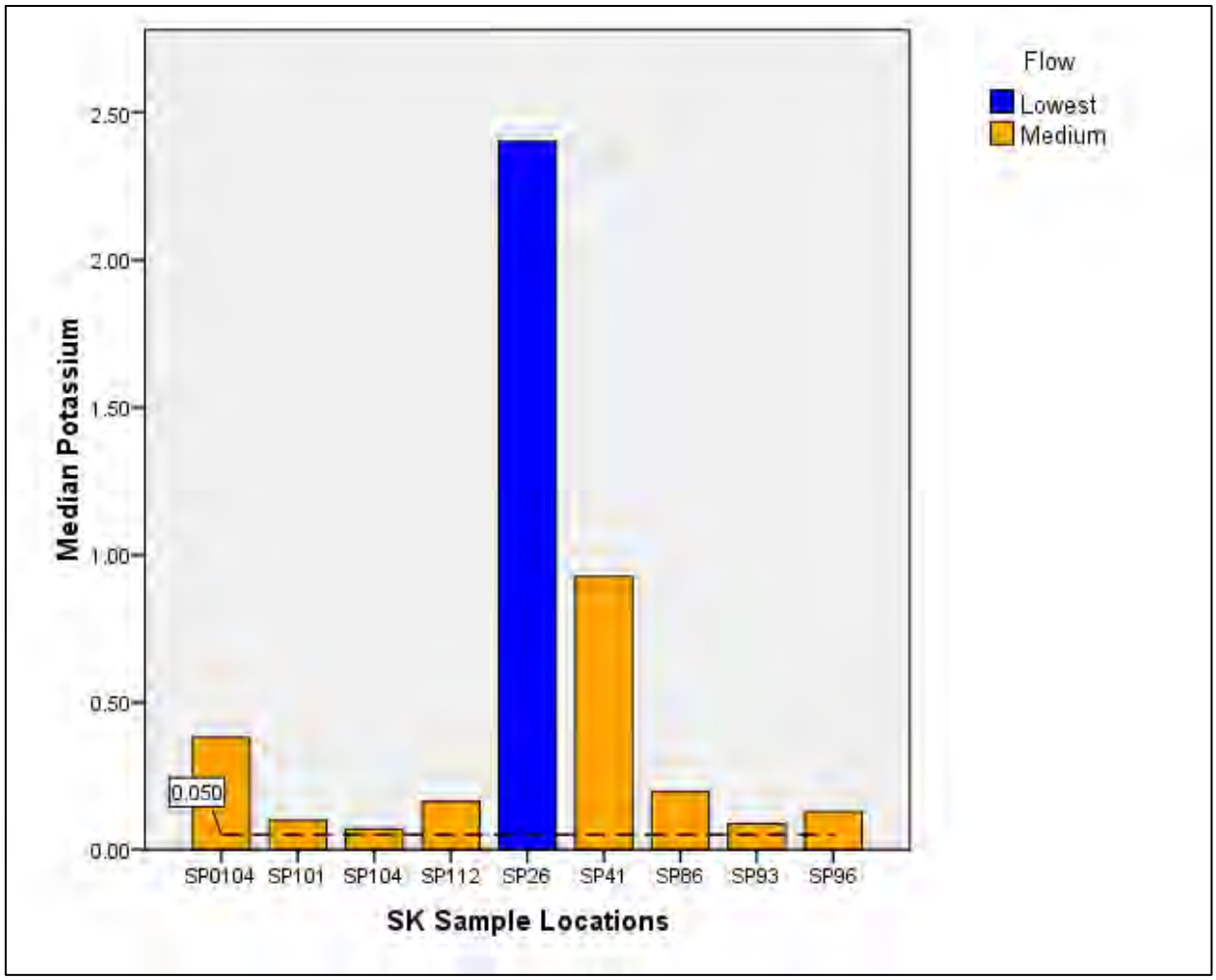


FIGURE 9.1-220
Potassium Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

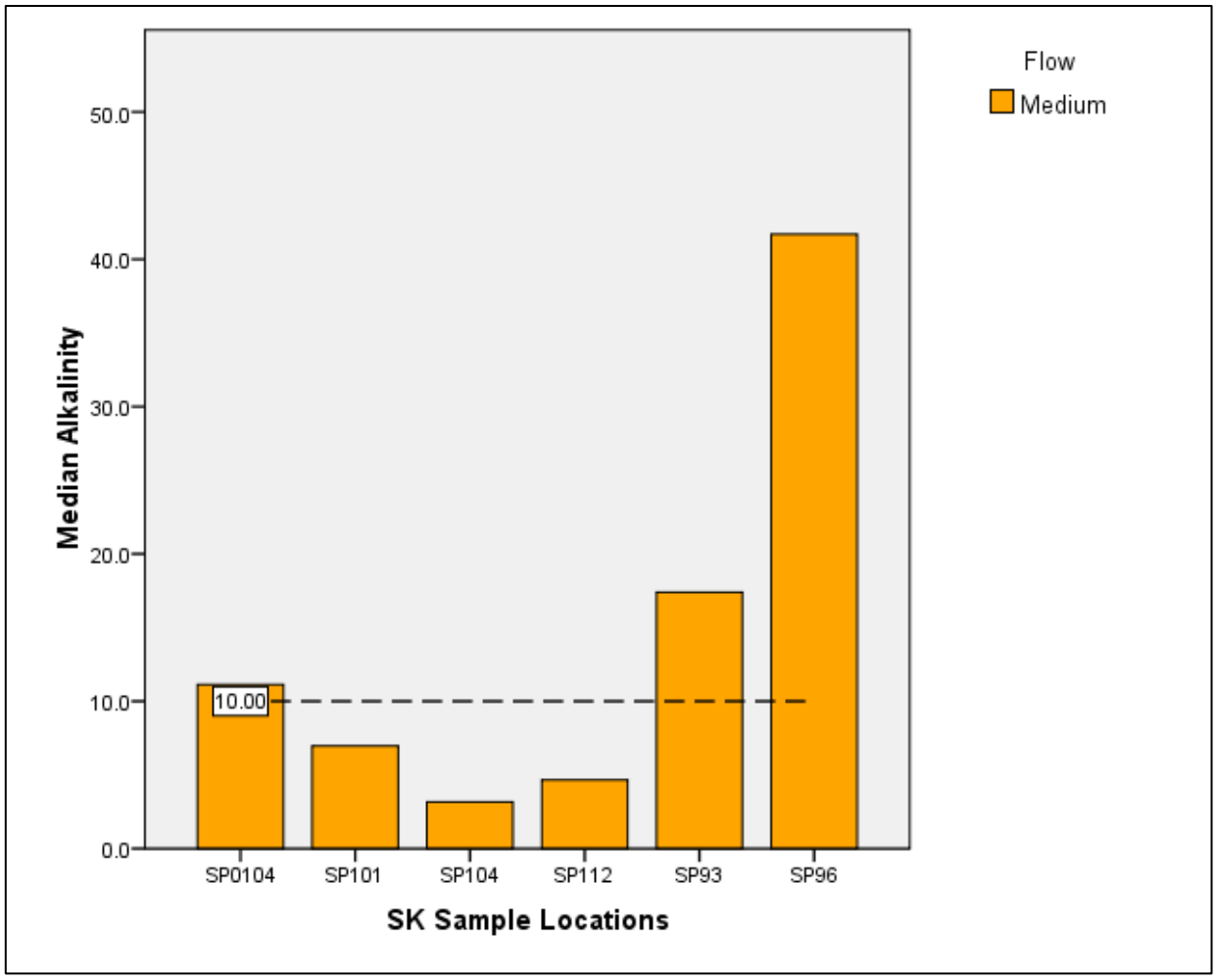


FIGURE 9.1-221
Alkalinity Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

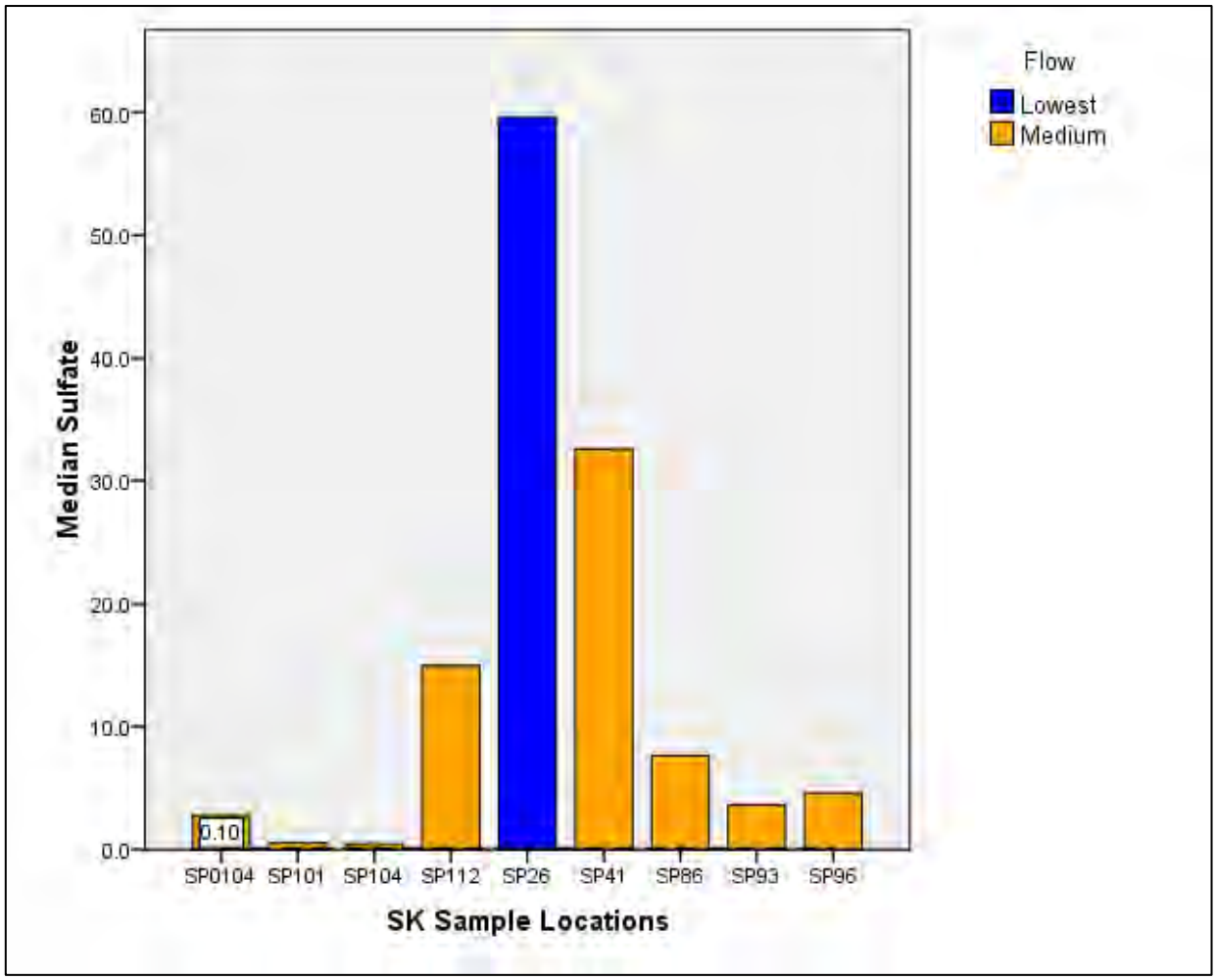


FIGURE 9.1-222
Sulfate Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure. For this figure the MRL line is very low and difficult to see. The MRL is 0.10, a text box defining the MRL is within the data area for SP0104.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

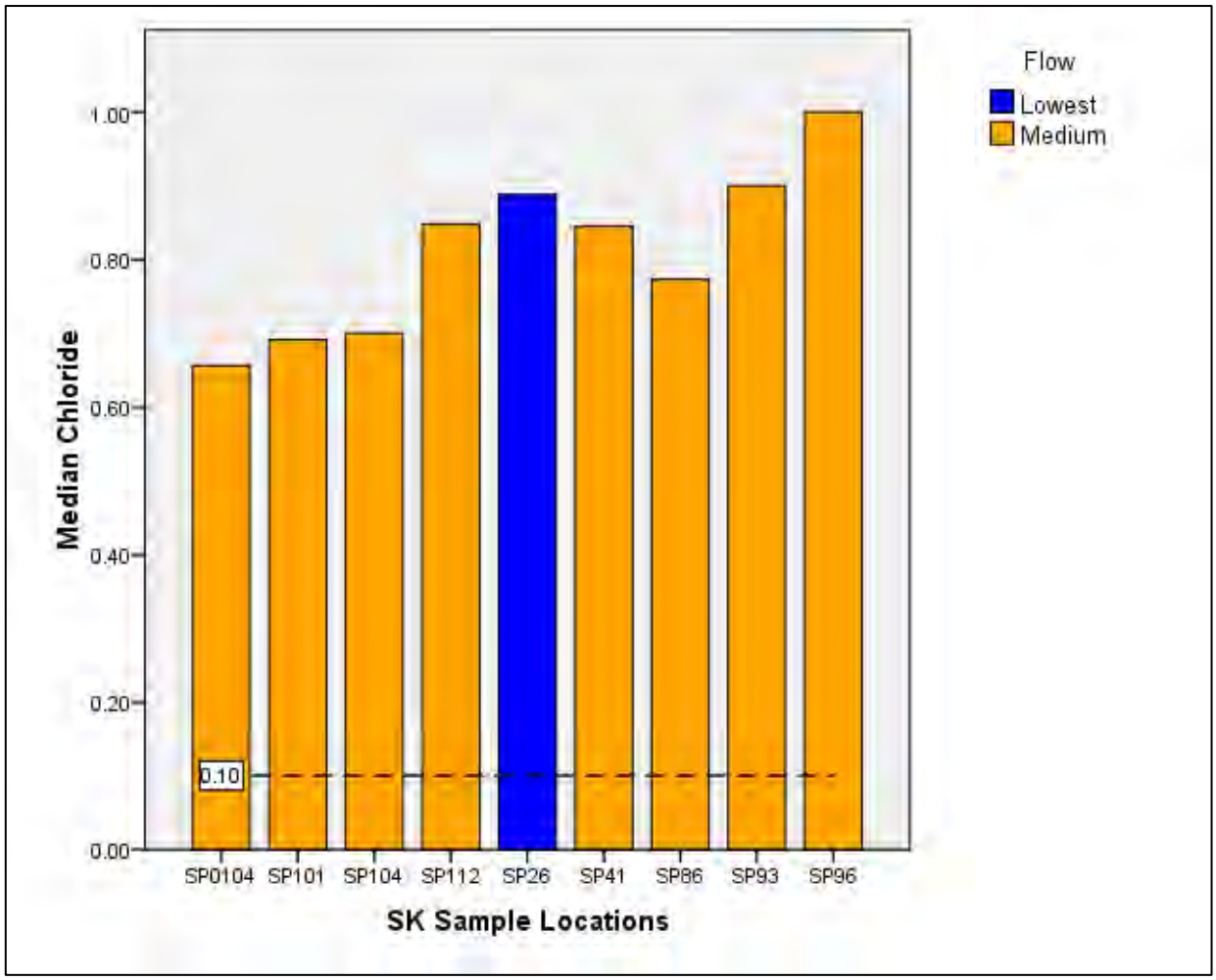


FIGURE 9.1-223
Chloride Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

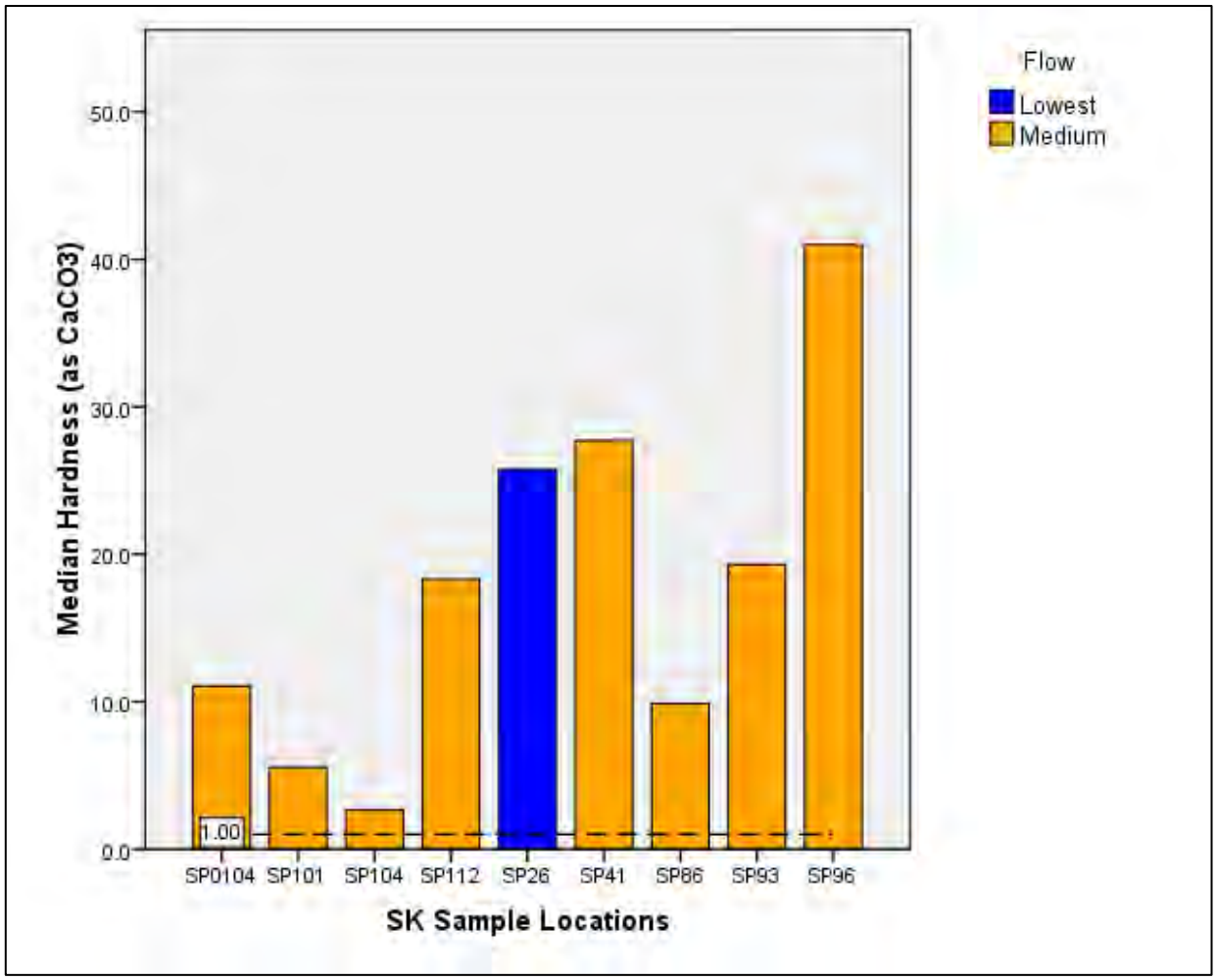


FIGURE 9.1-224
Hardness as $CaCO_3$ Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4. low velocity groups are defined in Table 9.1-45.

SK = South Fork Koktuli.

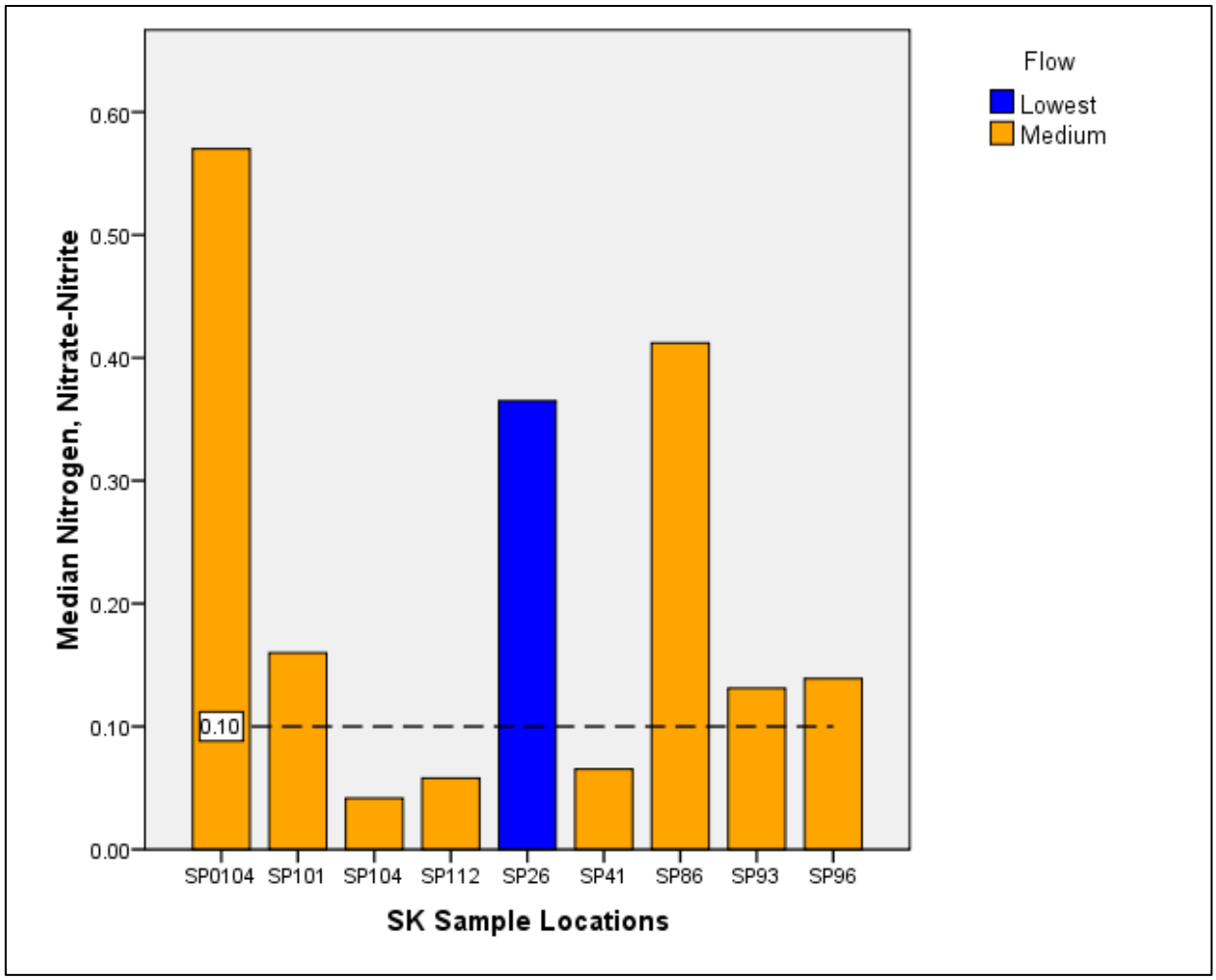


FIGURE 9.1-225
Total Nitrate+Nitrite (as N) Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

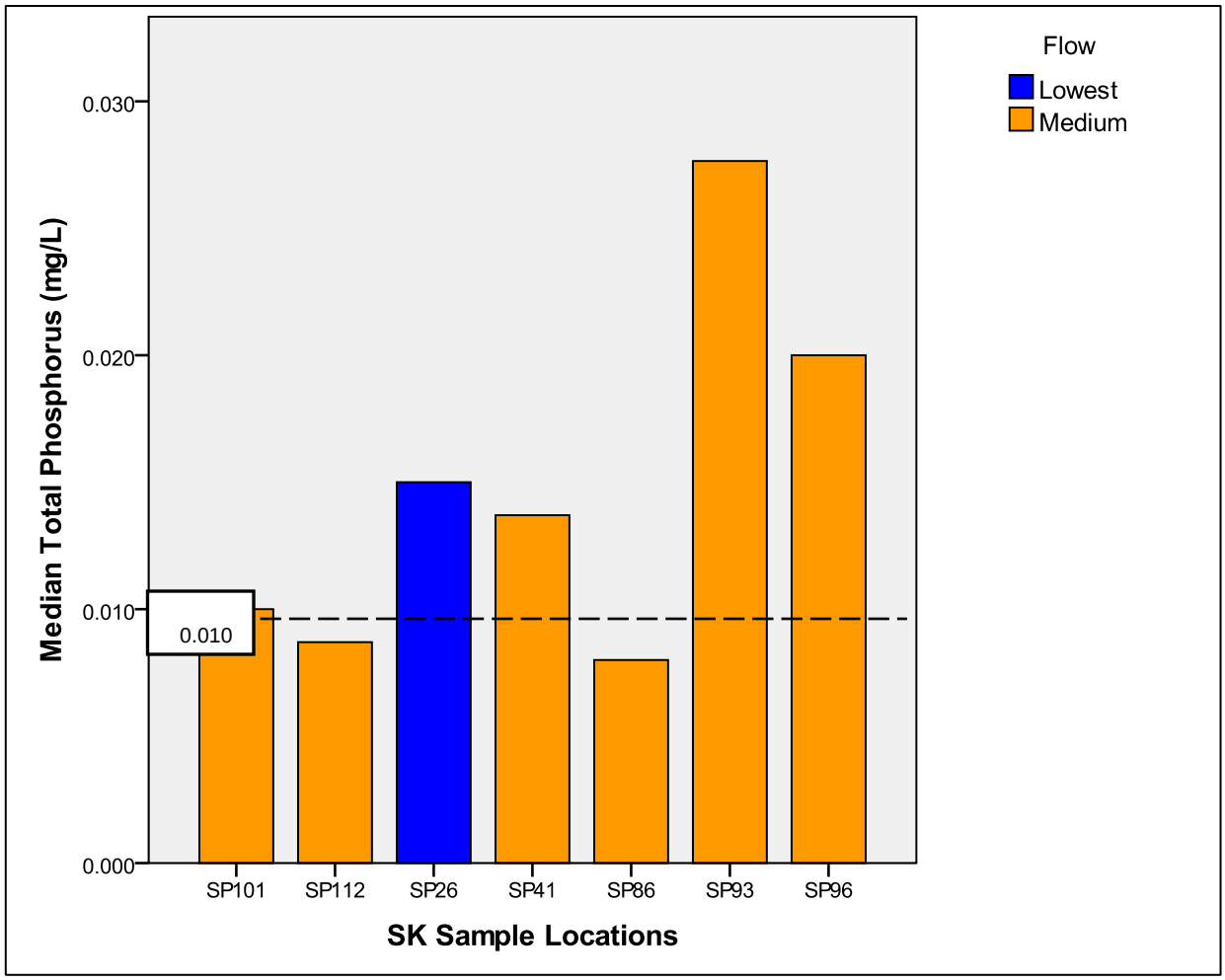


FIGURE 9.1-226
Total Phosphorus Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

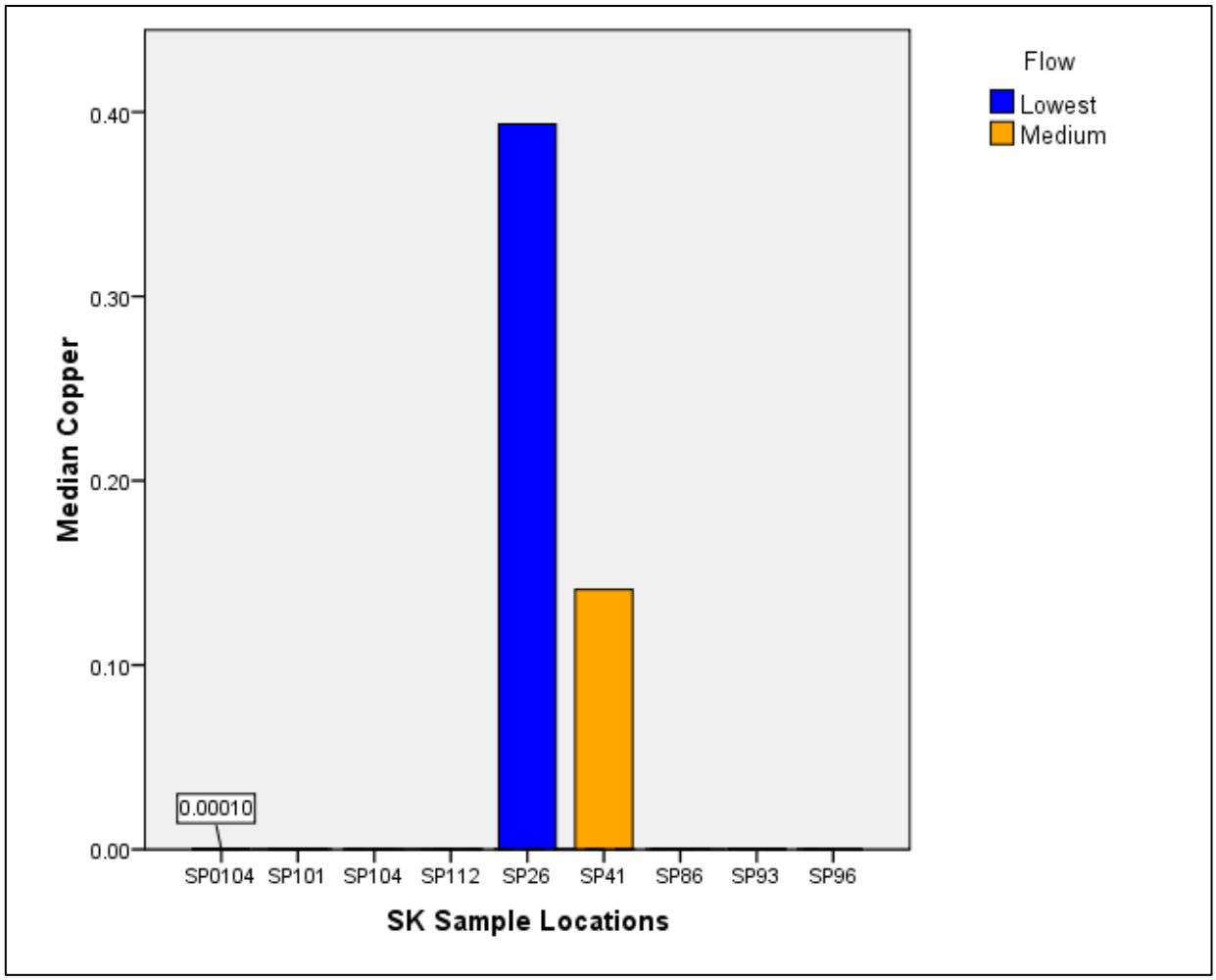


FIGURE 9.1-227
Copper Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure. For this figure the MRL is very low and the line is difficult to see. MRL is equal to 0.00010. The text box with the MRL value is located in the SP0104 data column.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

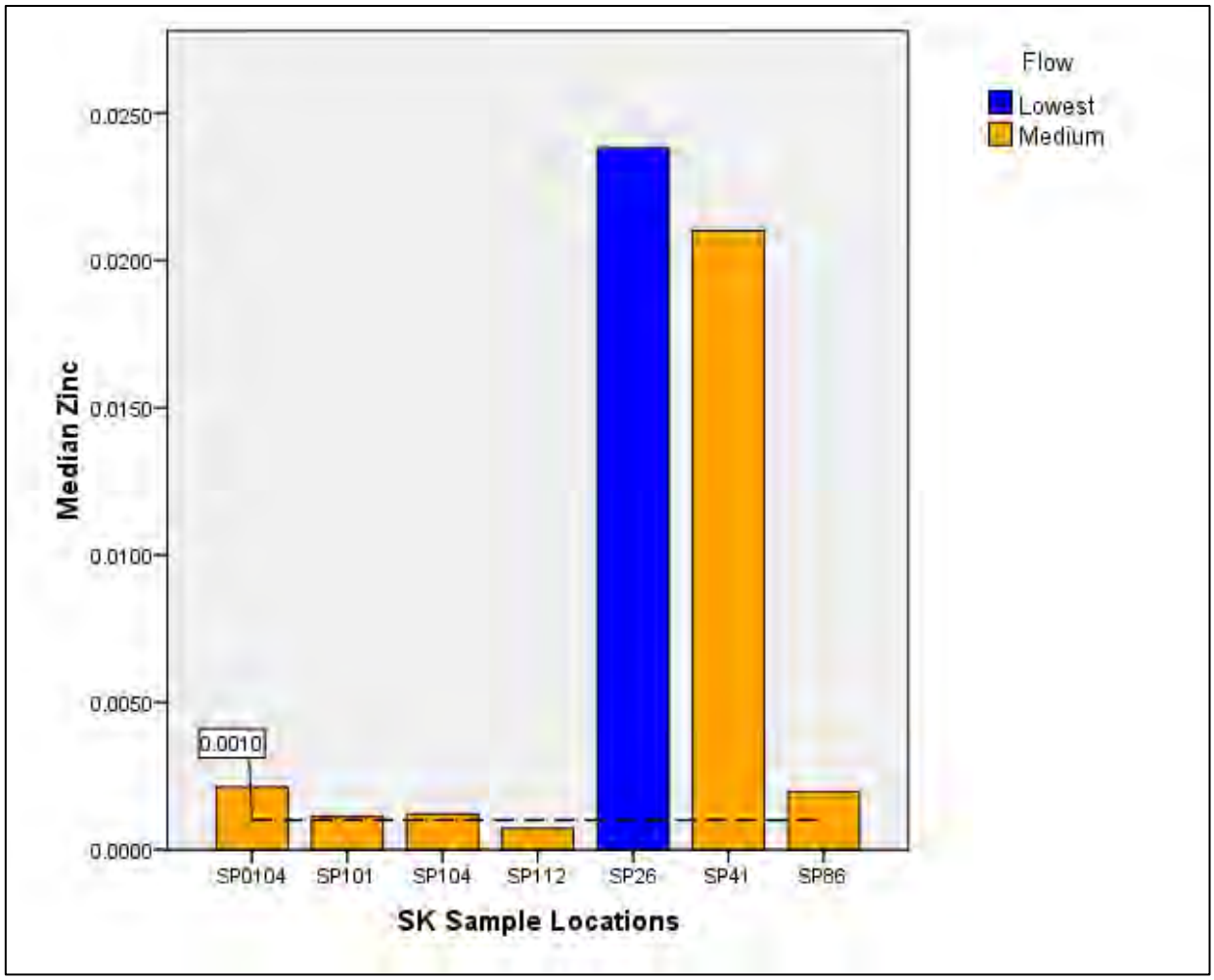


FIGURE 9.1-228
Zinc Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

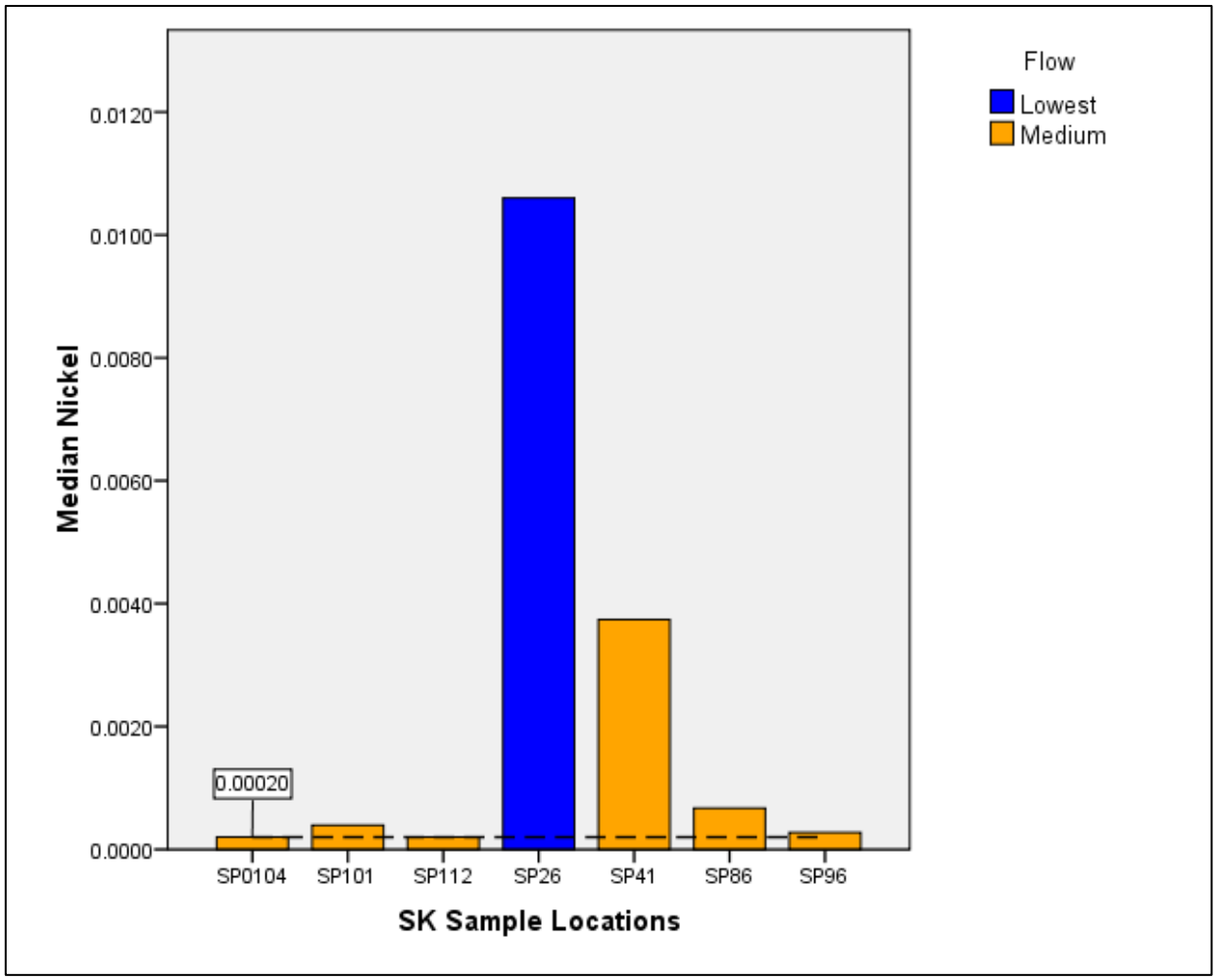


FIGURE 9.1-229
Nickel Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

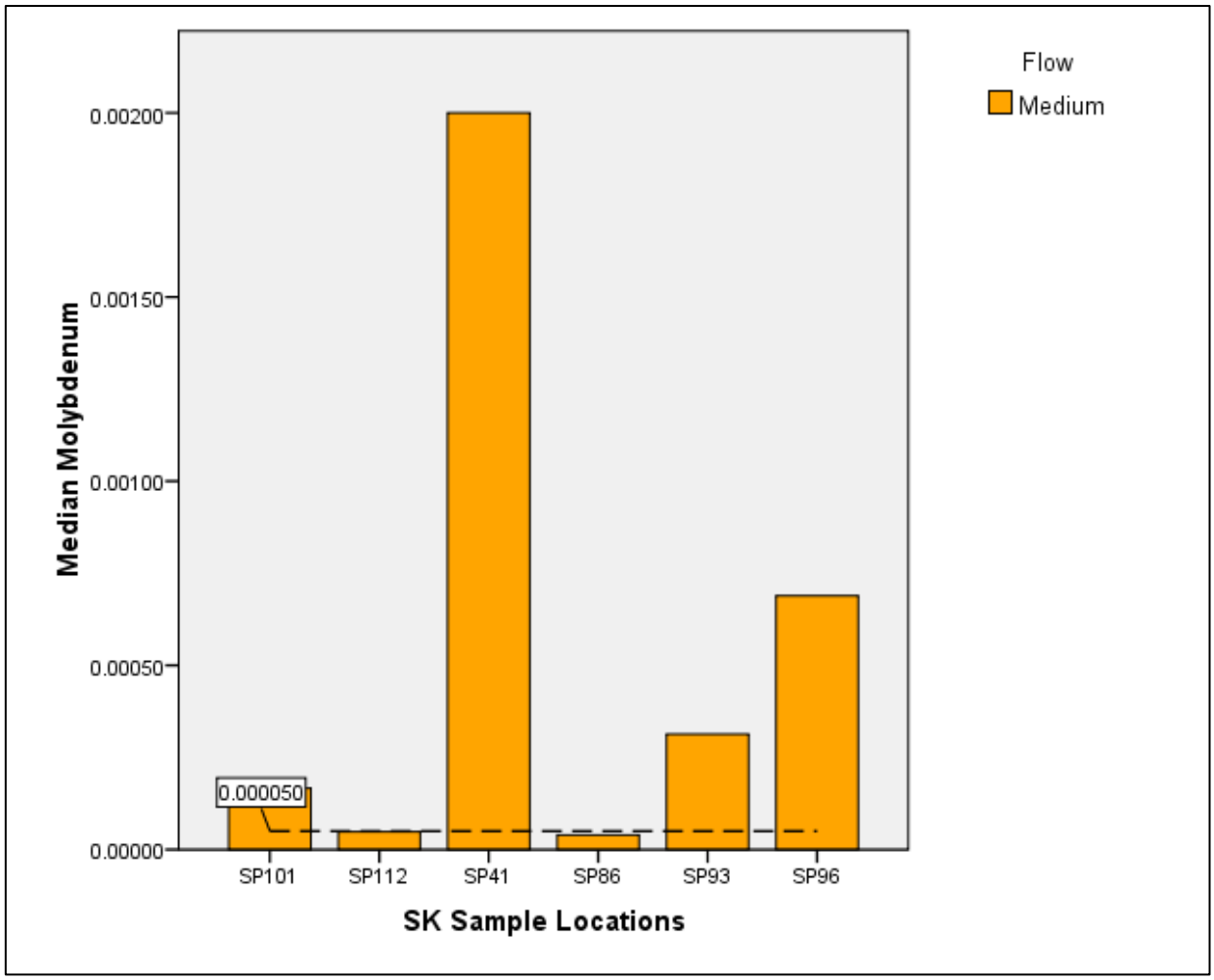


FIGURE 9.1-230
Molybdenum Concentrations and Flow Velocity in Seeps by Location, South Fork Koktuli River Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

SK = South Fork Koktuli.

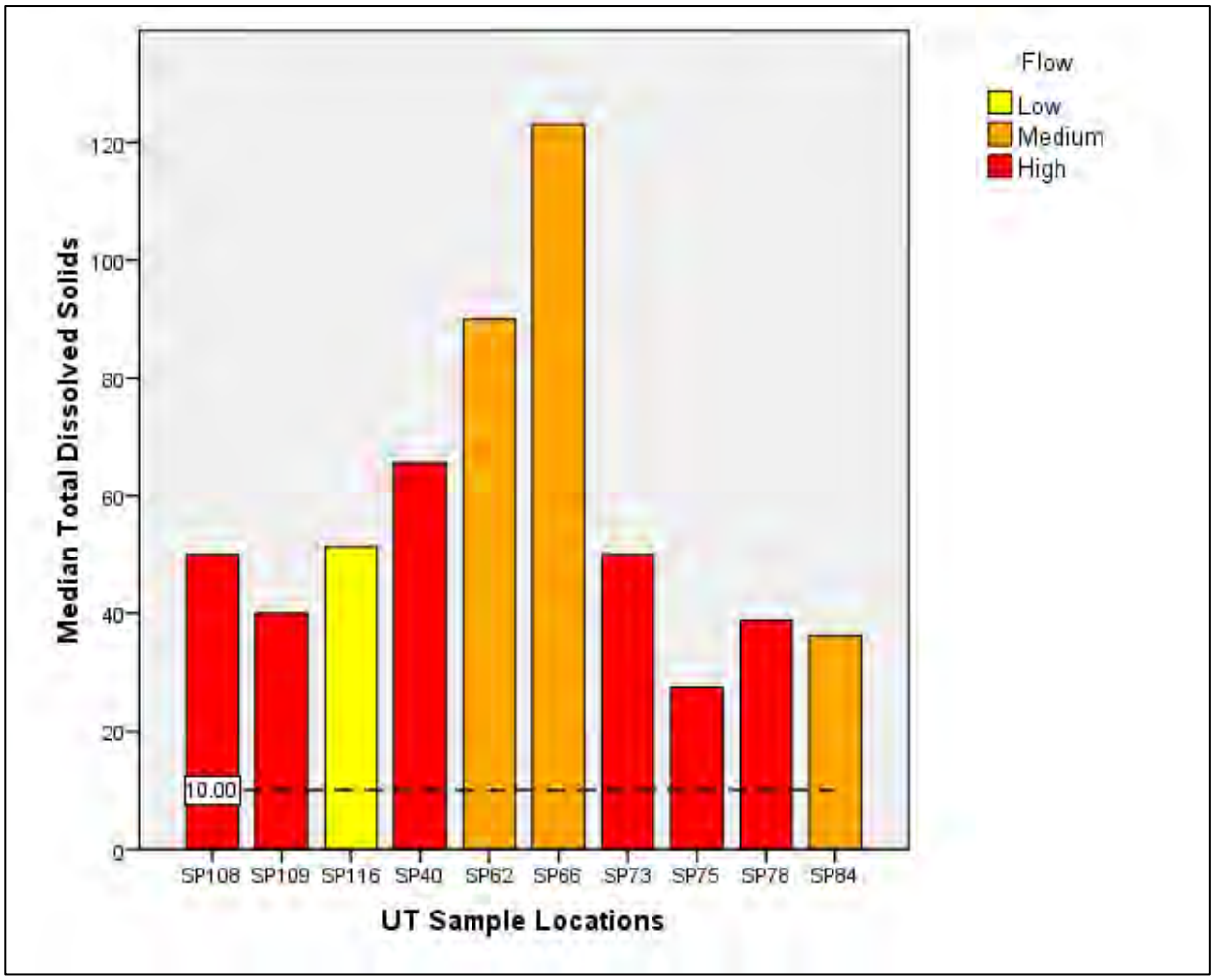


FIGURE 9.1-231
Total Dissolved Solids Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

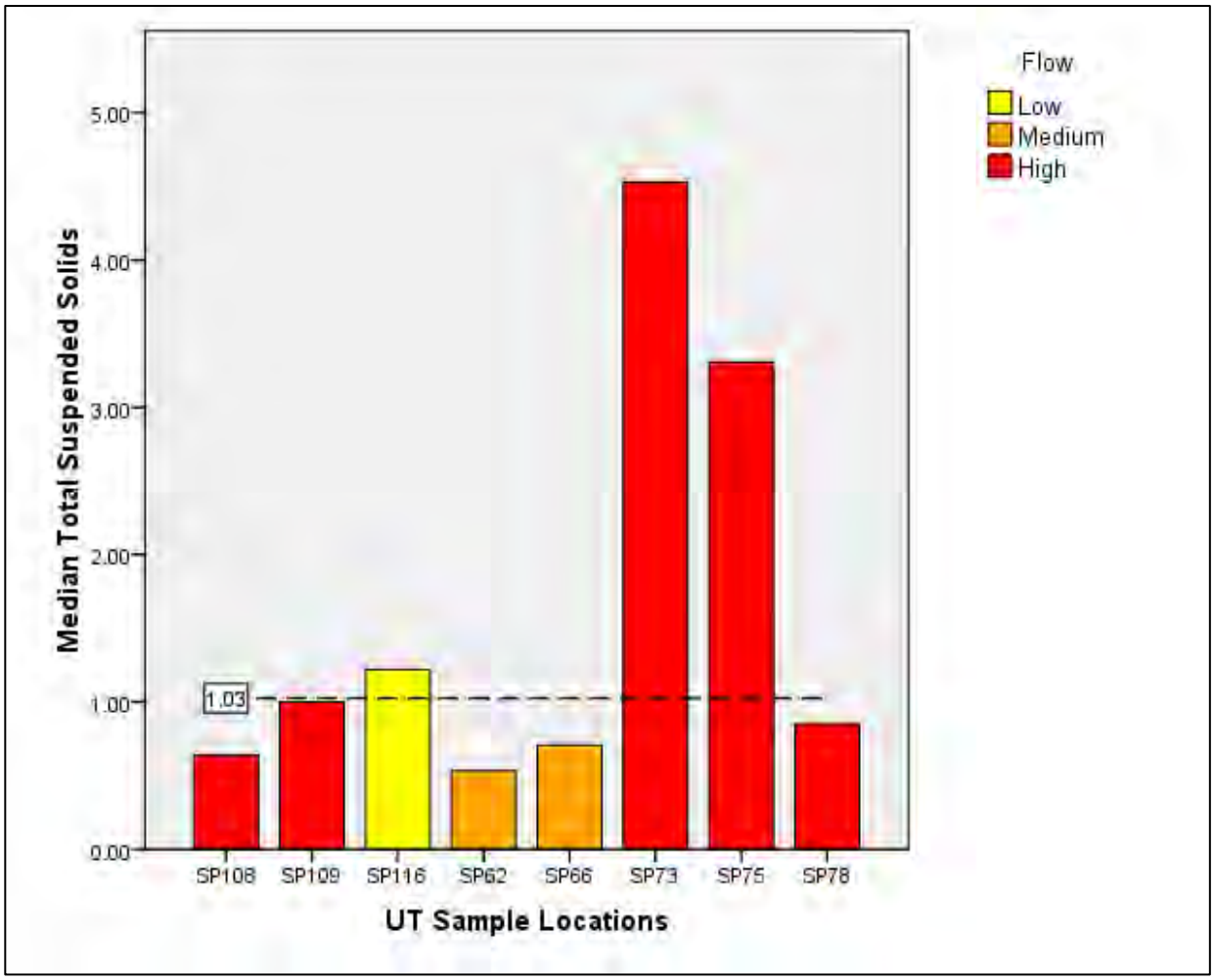


FIGURE 9.1-232
Total Suspended Solids Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

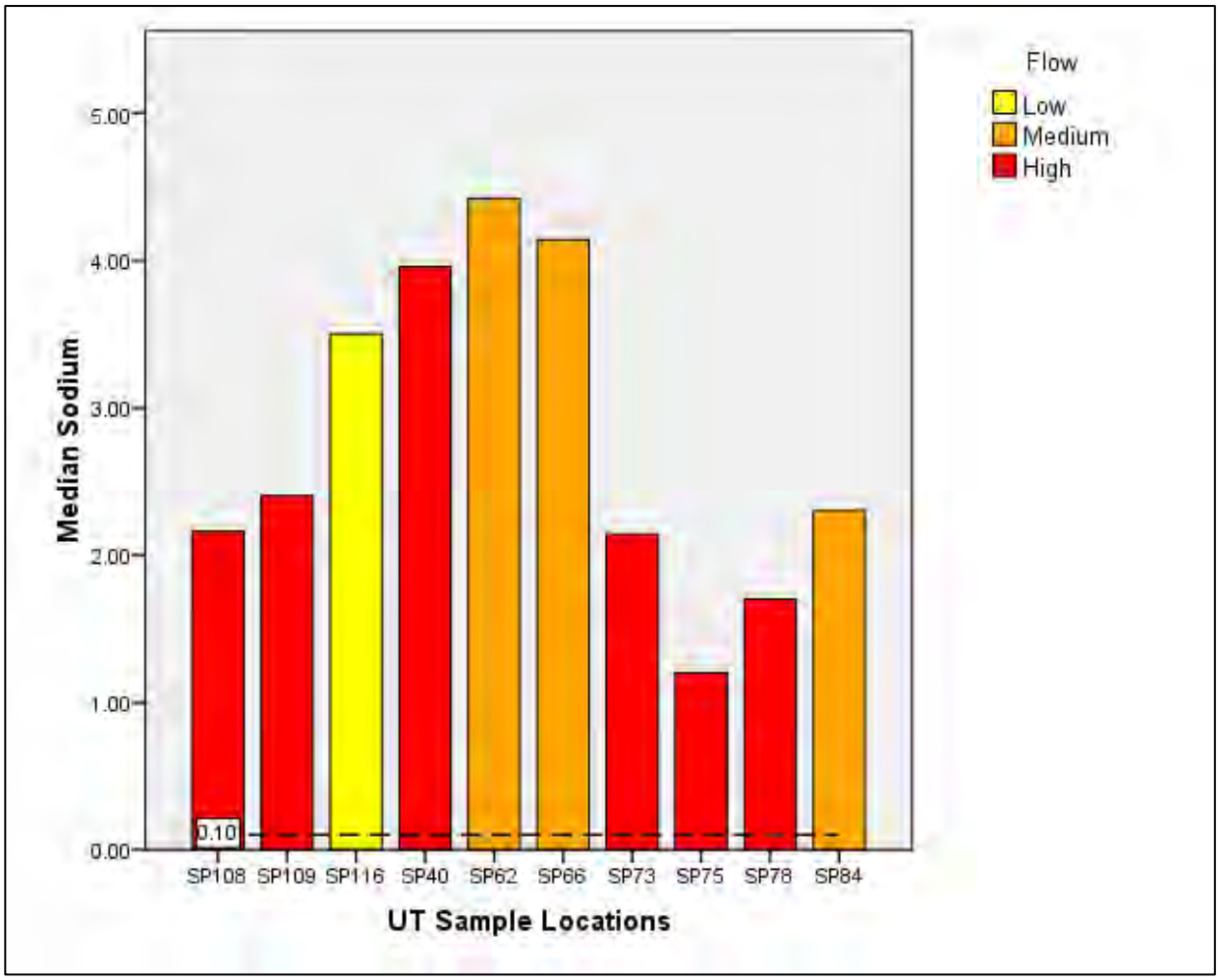


FIGURE 9.1-233
Sodium Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

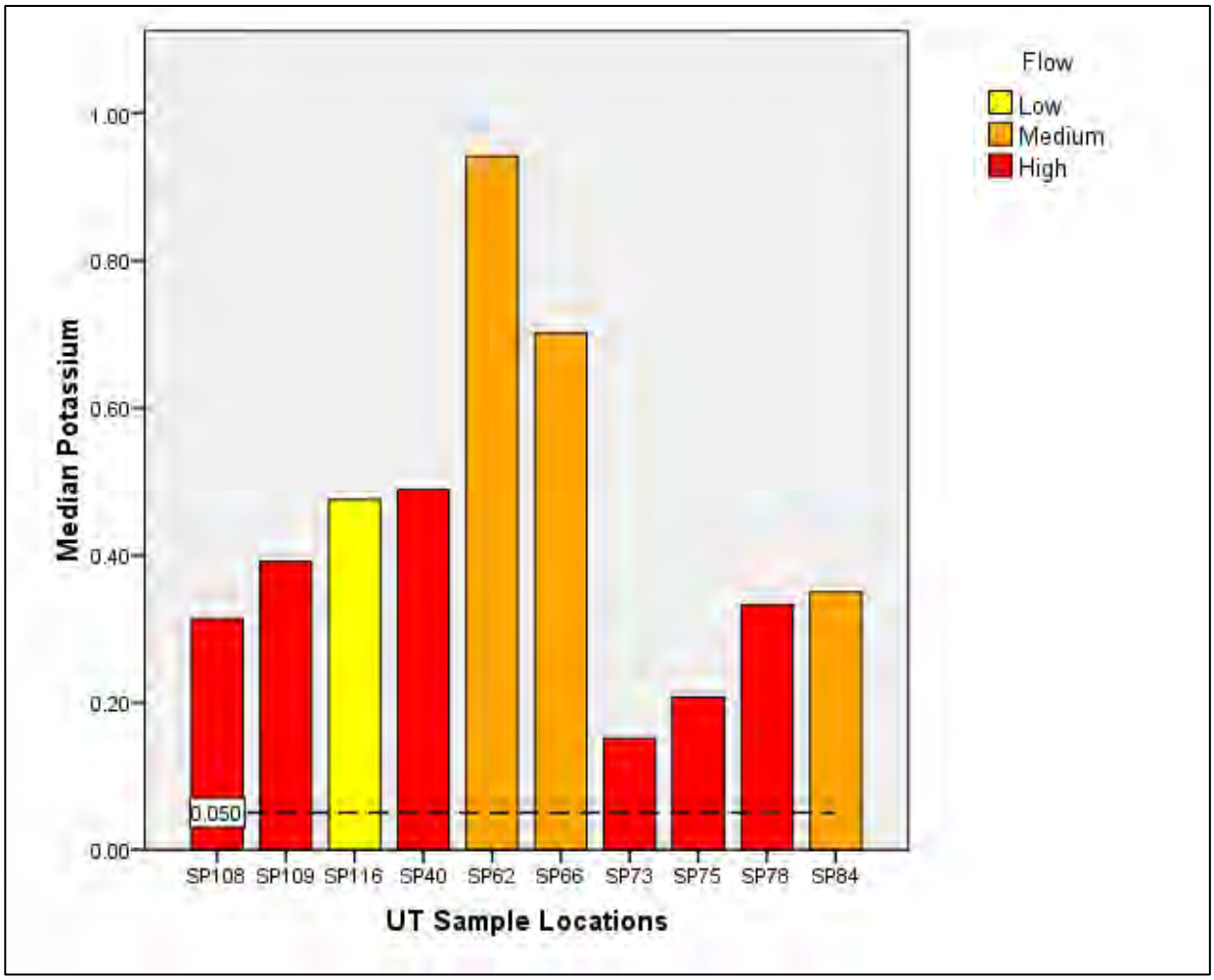


FIGURE 9.1-234
Potassium Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

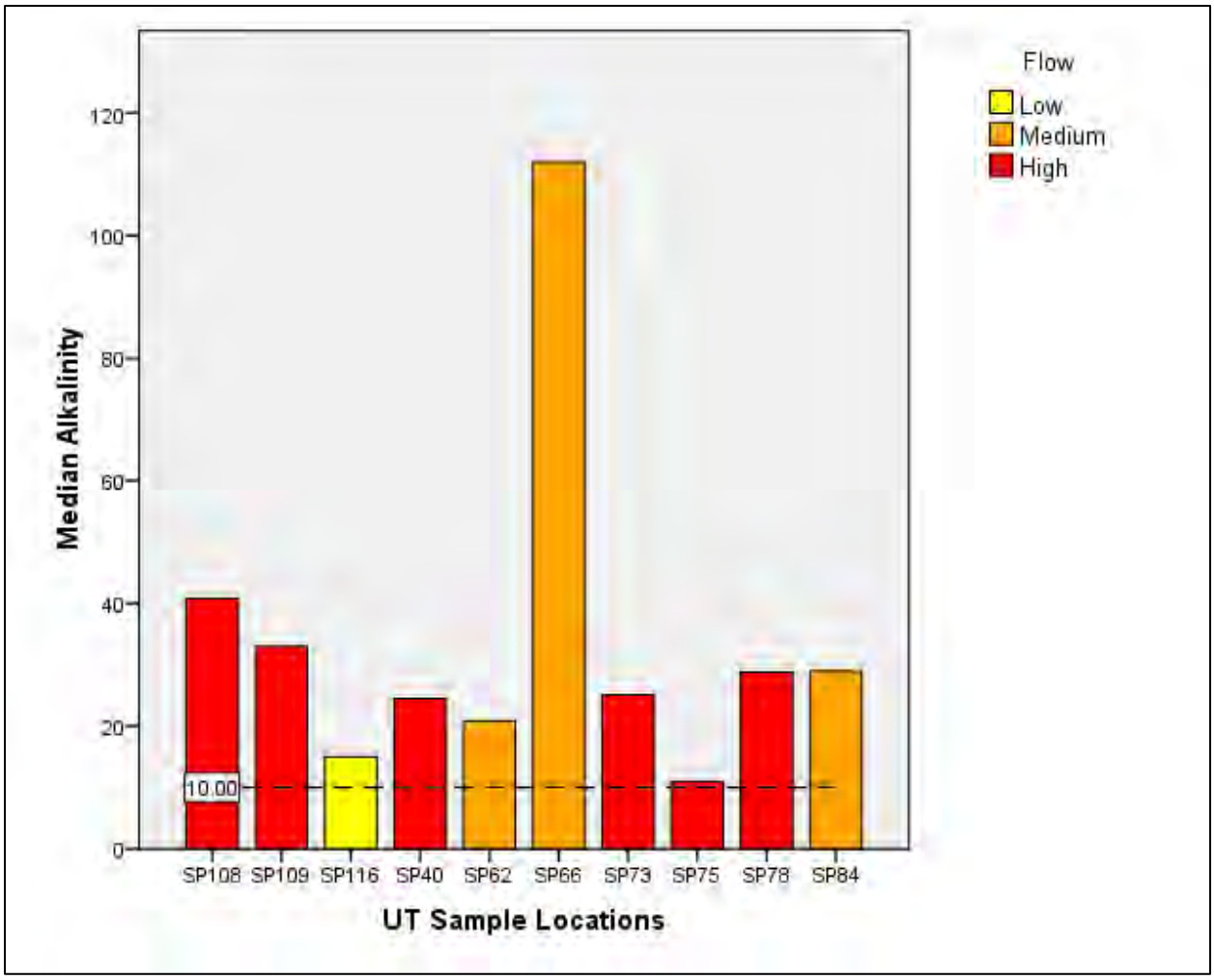


FIGURE 9.1-235
Alkalinity Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

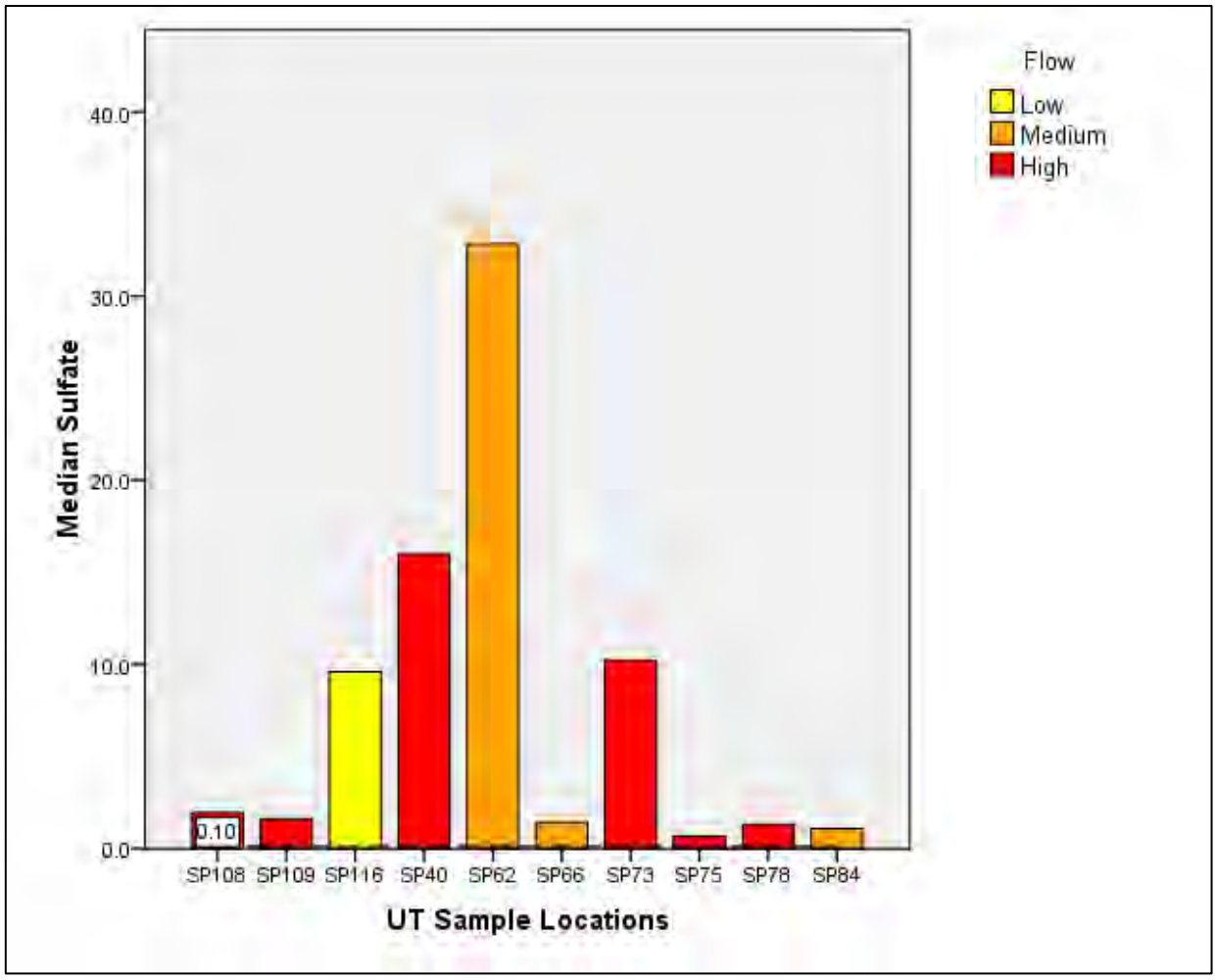


FIGURE 9.1-236
Sulfate Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

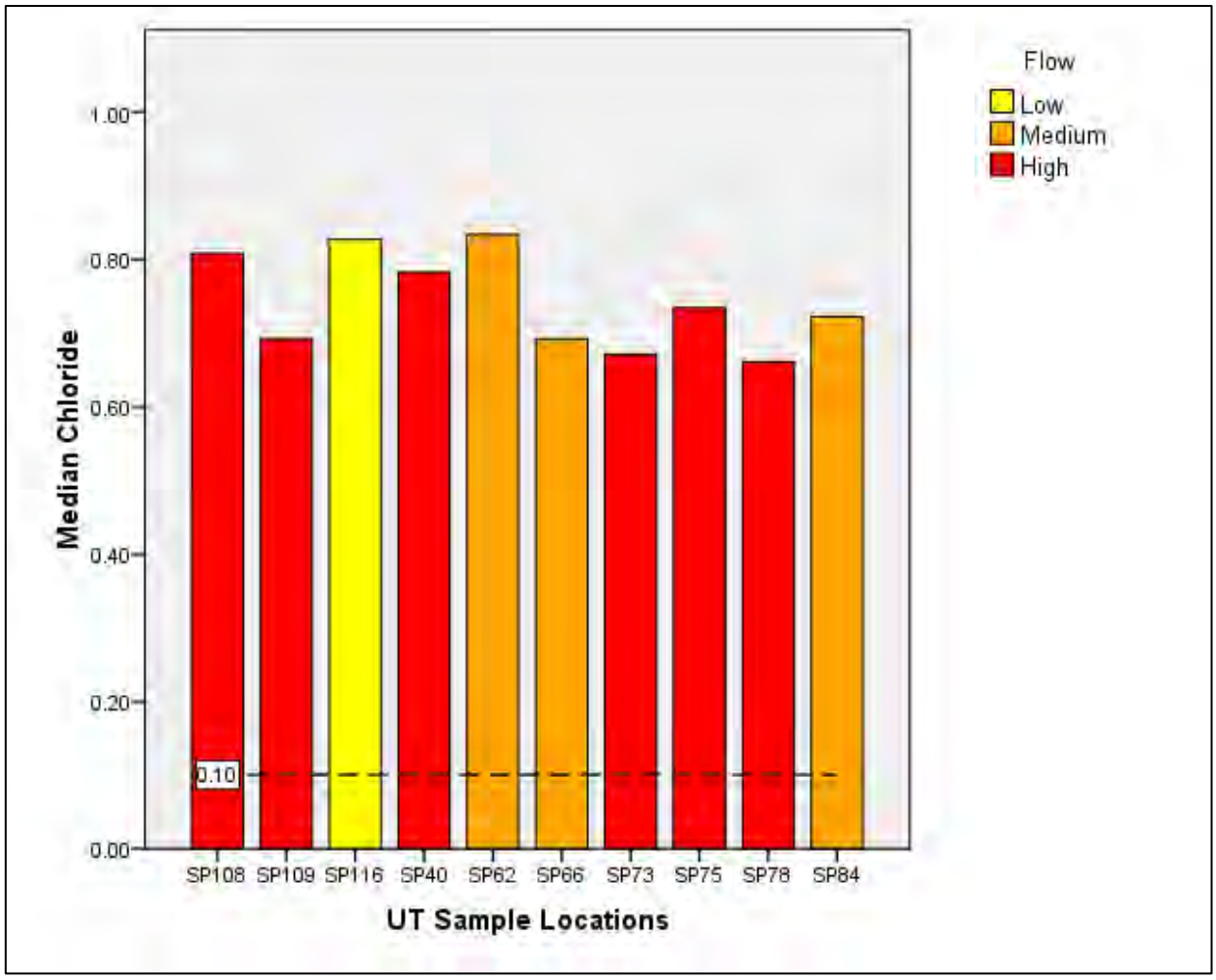


FIGURE 9.1-237
Chloride Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

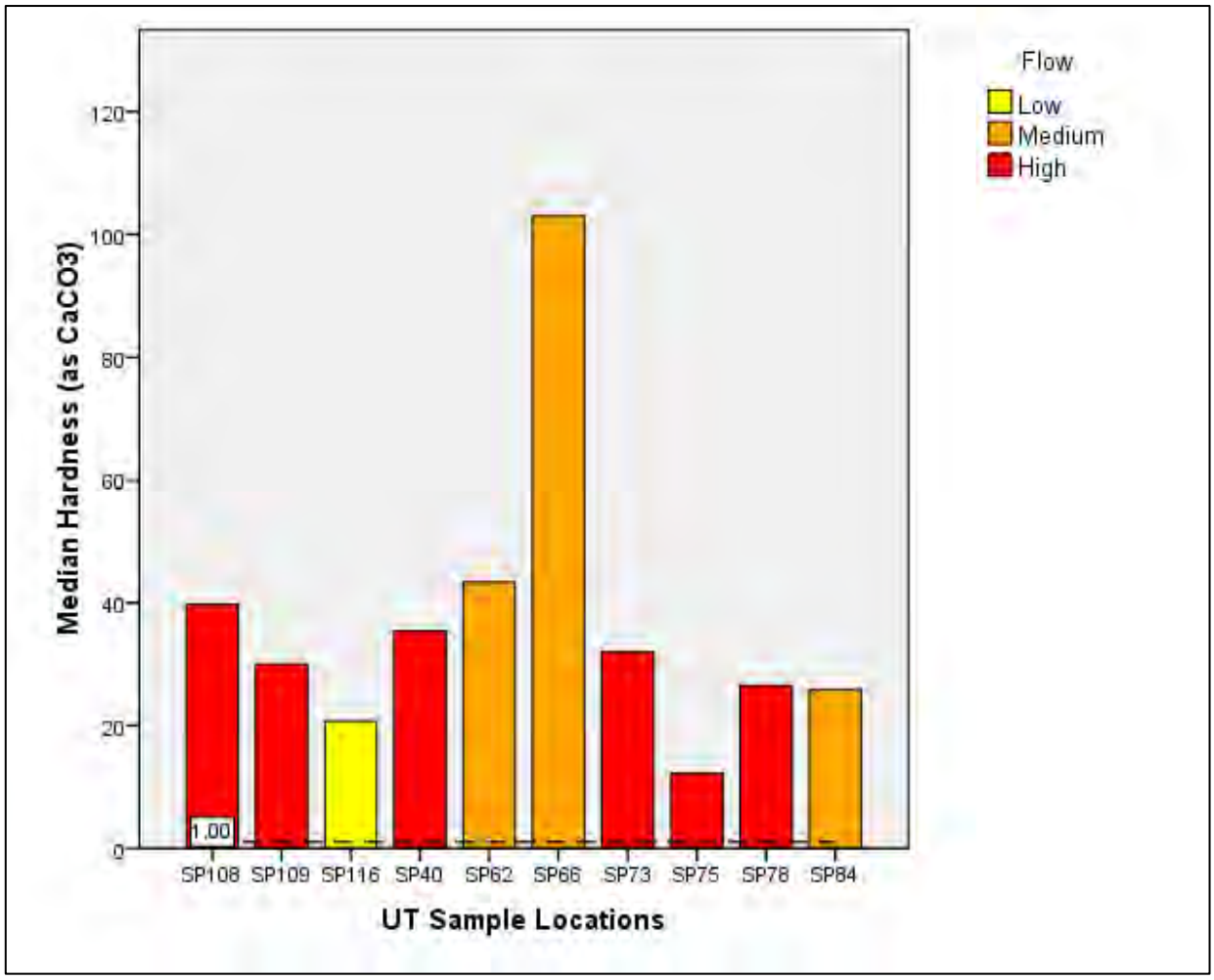


FIGURE 9.1-238
Hardness as $CaCO_3$ Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

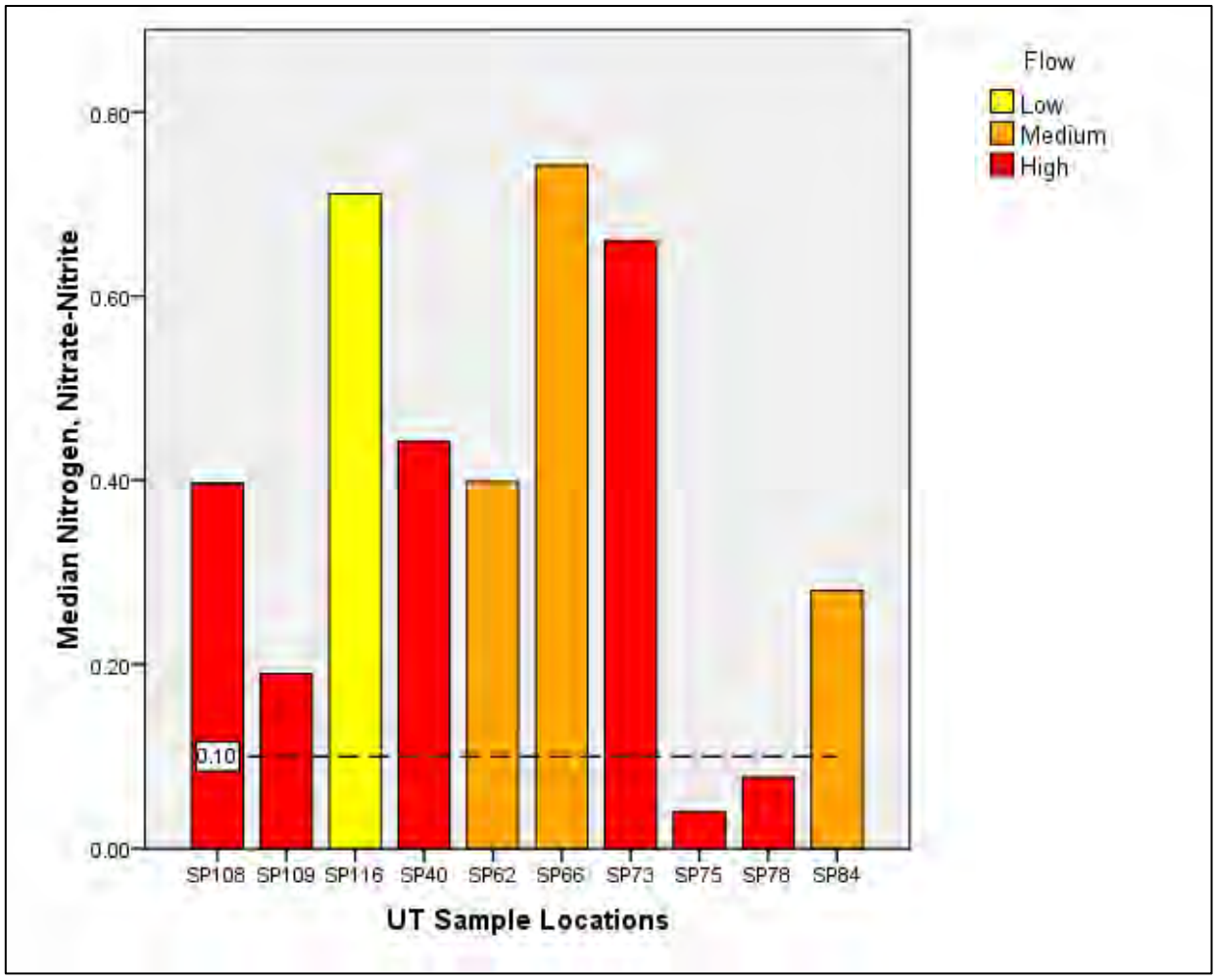


FIGURE 9.1-239
Total Nitrate+Nitrite (as N) Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

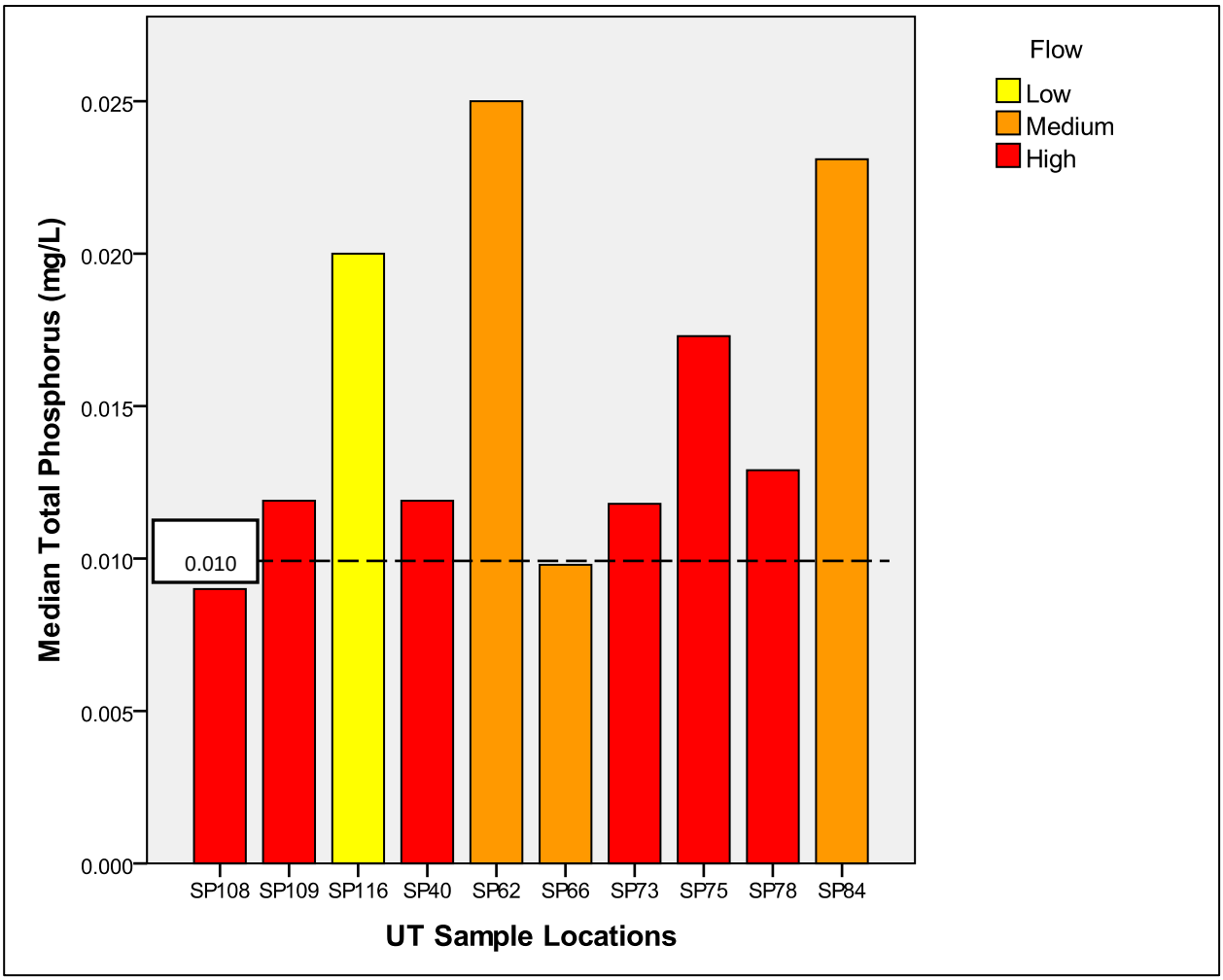


FIGURE 9.1-240
Total Phosphorus Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

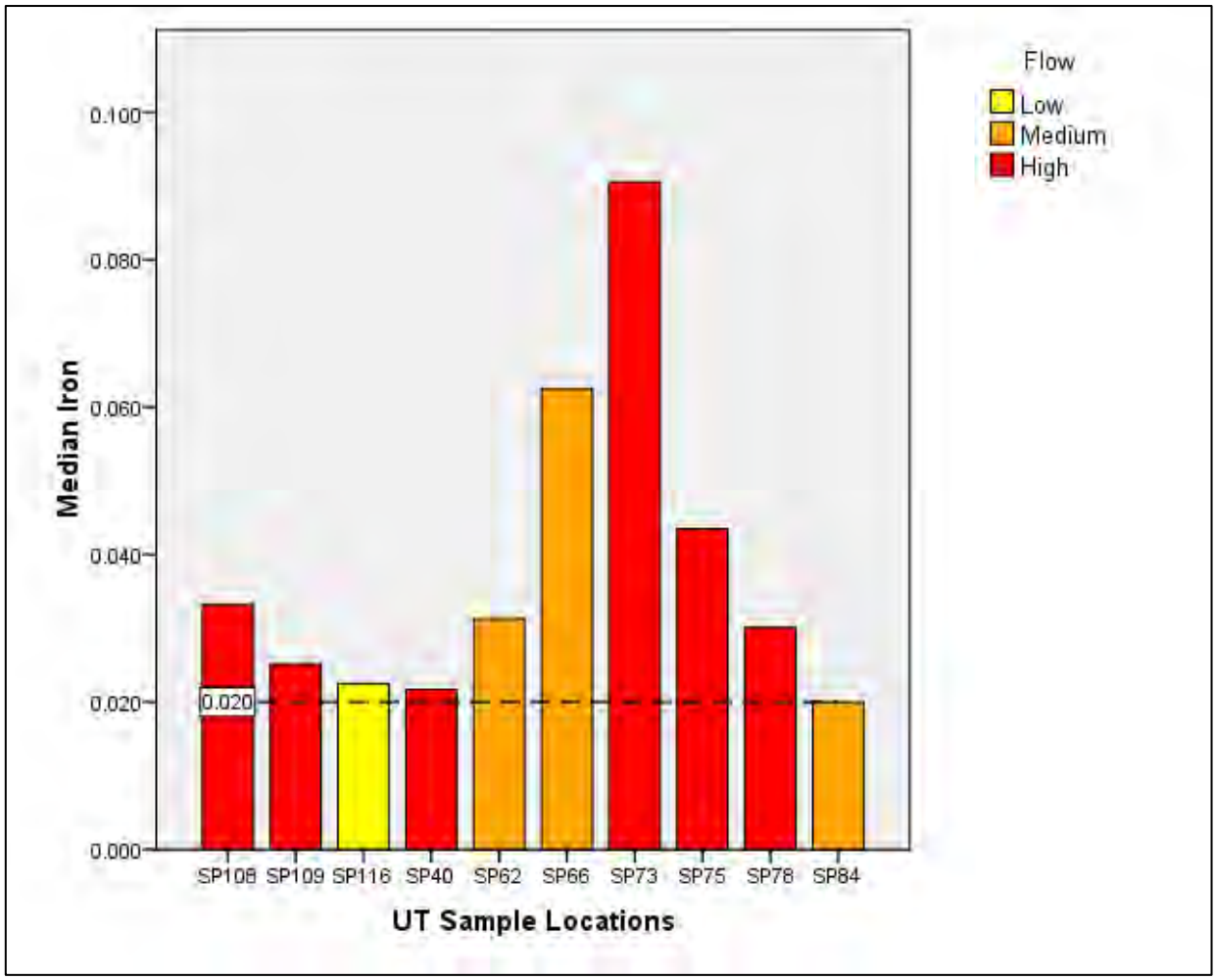


FIGURE 9.1-241
Iron Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

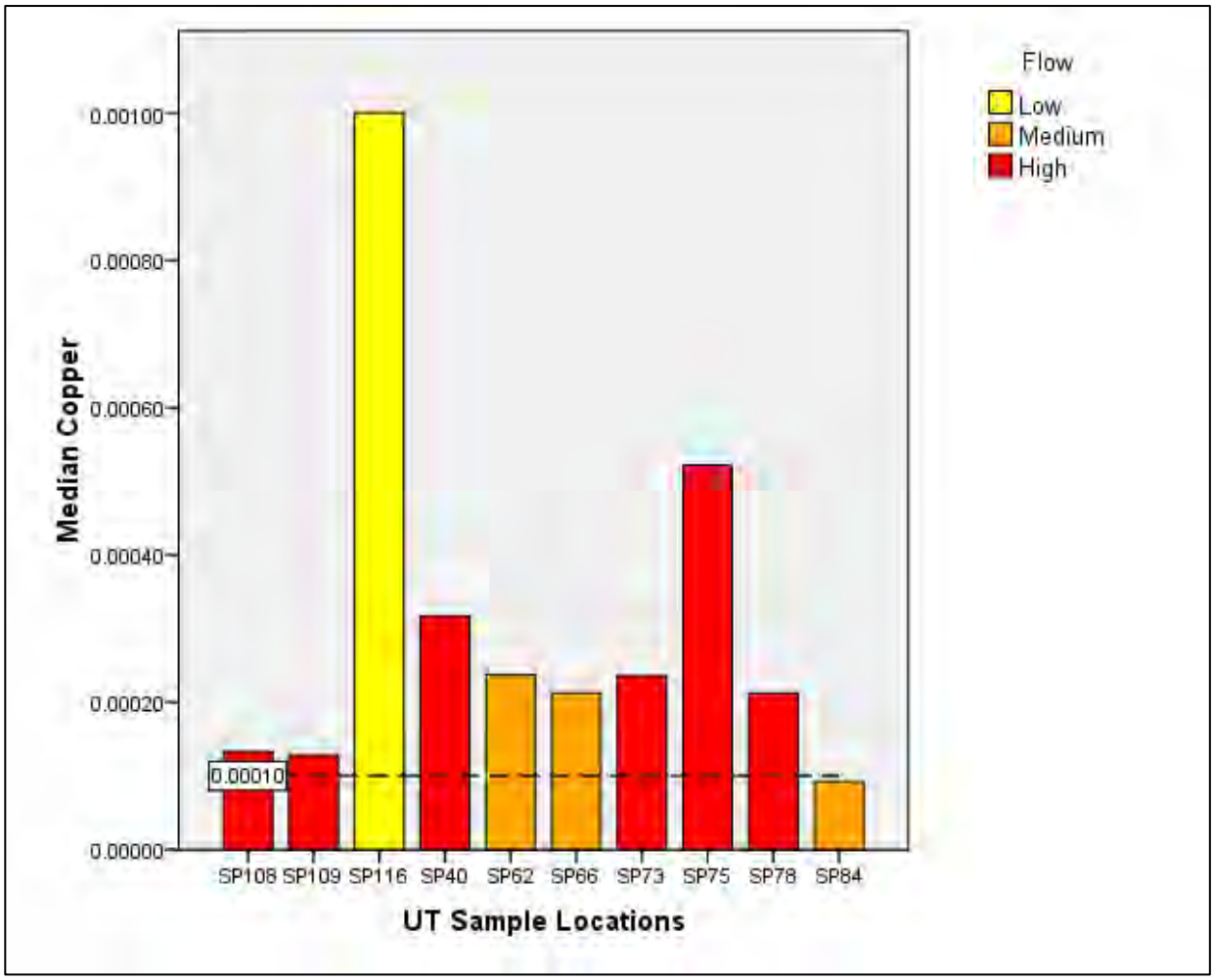


FIGURE 9.1-242
Copper Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

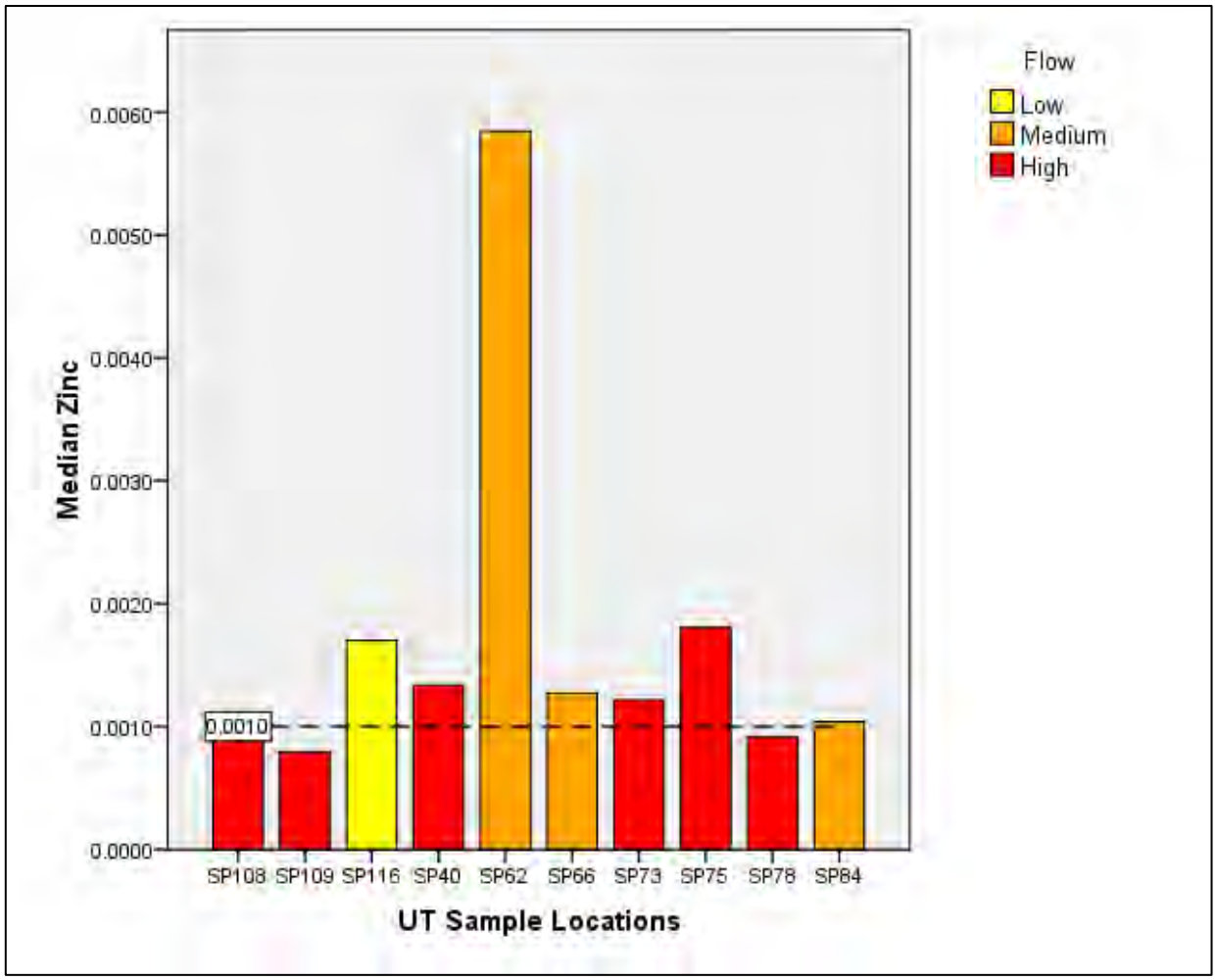


FIGURE 9.1-243
Zinc Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

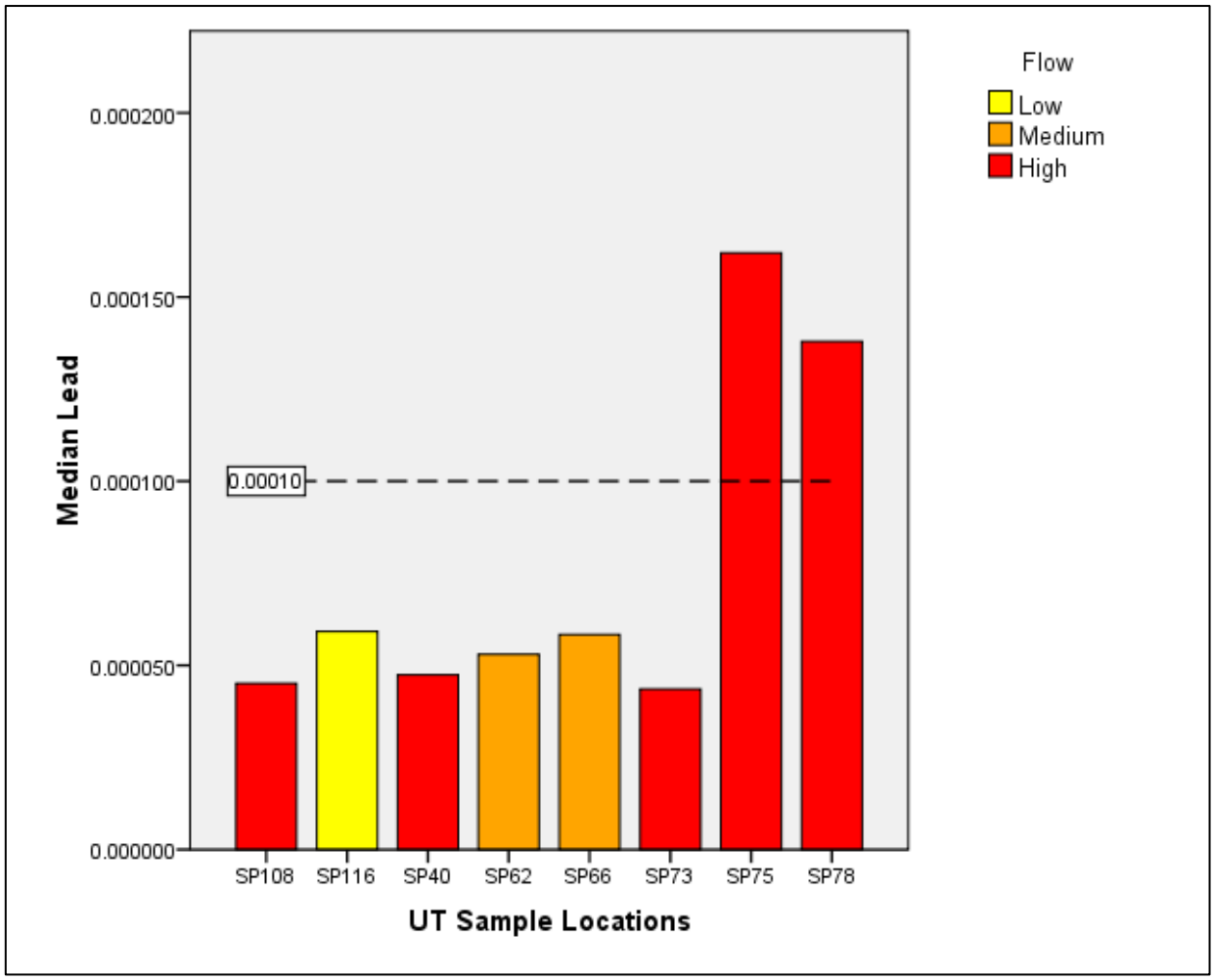


FIGURE 9.1-244
Lead Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

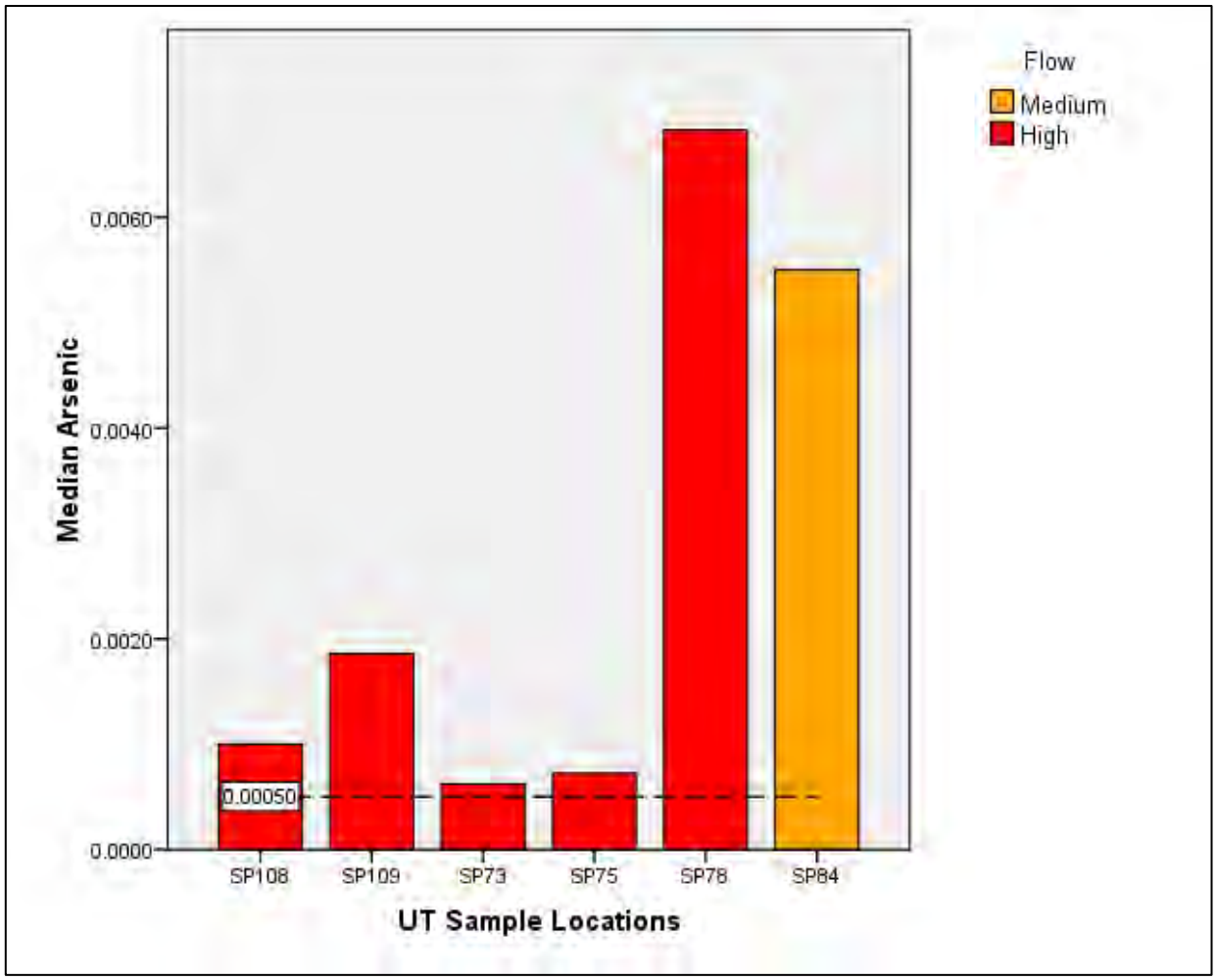


FIGURE 9.1-245
Arsenic Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

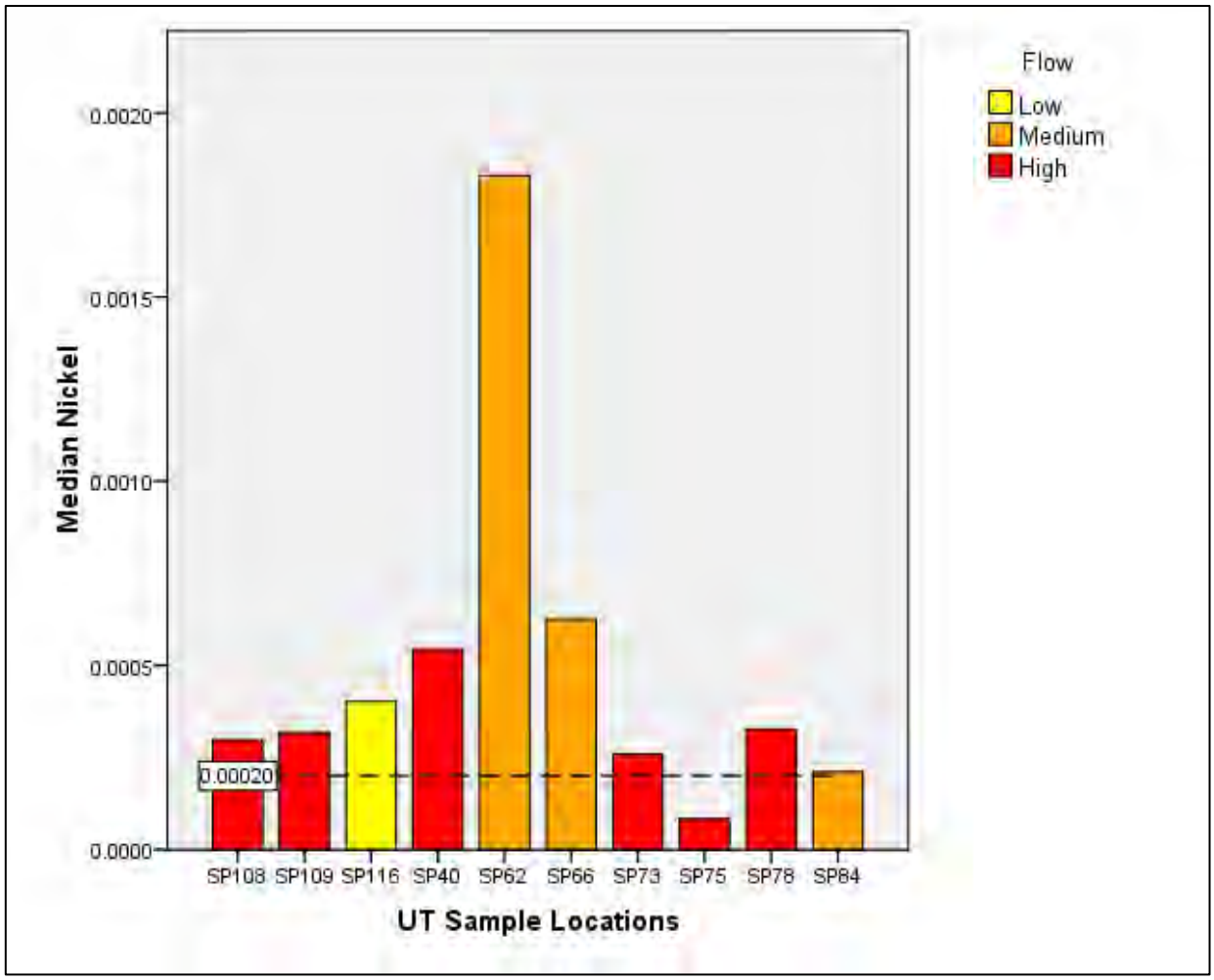


FIGURE 9.1-246
Nickel Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

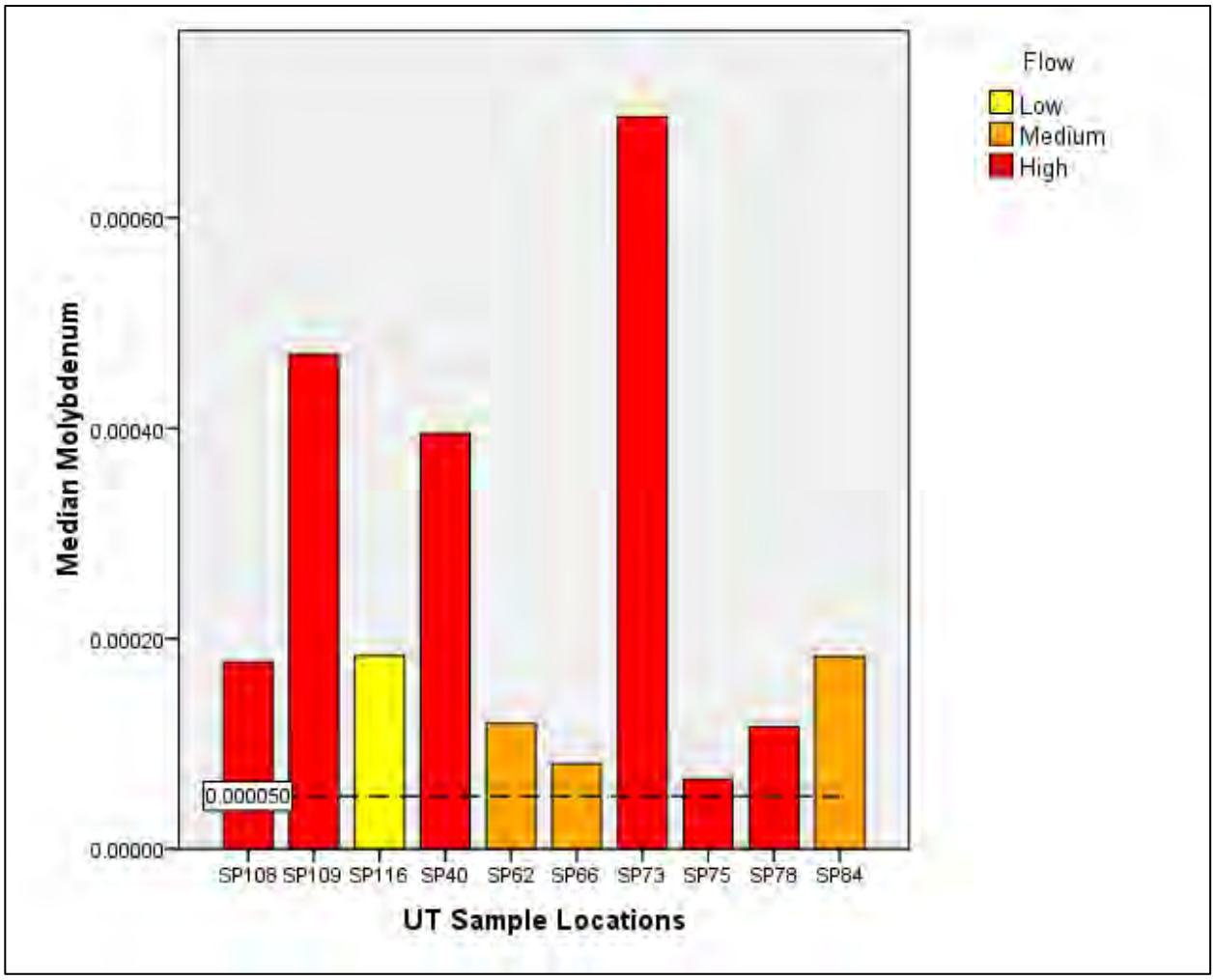


FIGURE 9.1-247
Molybdenum Concentrations and Flow Velocity in Seeps by Location, Upper Talarik Creek Drainage

Notes:

Median concentrations are for all years (2004-2008) with available data for each sample location.

Only detected values are shown.

Analyte concentrations are in milligrams per liter (mg/L).

The method reporting limit (MRL) is indicated by a line and text box within the body of the figure.

Flow velocity groups are: Highest: >5 L/s, Moderate: 1-5 L/s, Low: <1.0 L/s, Very Low: <0.1 L/s during the low flow season as defined in Table 9.1-4.

UT = Upper Talarik Creek.

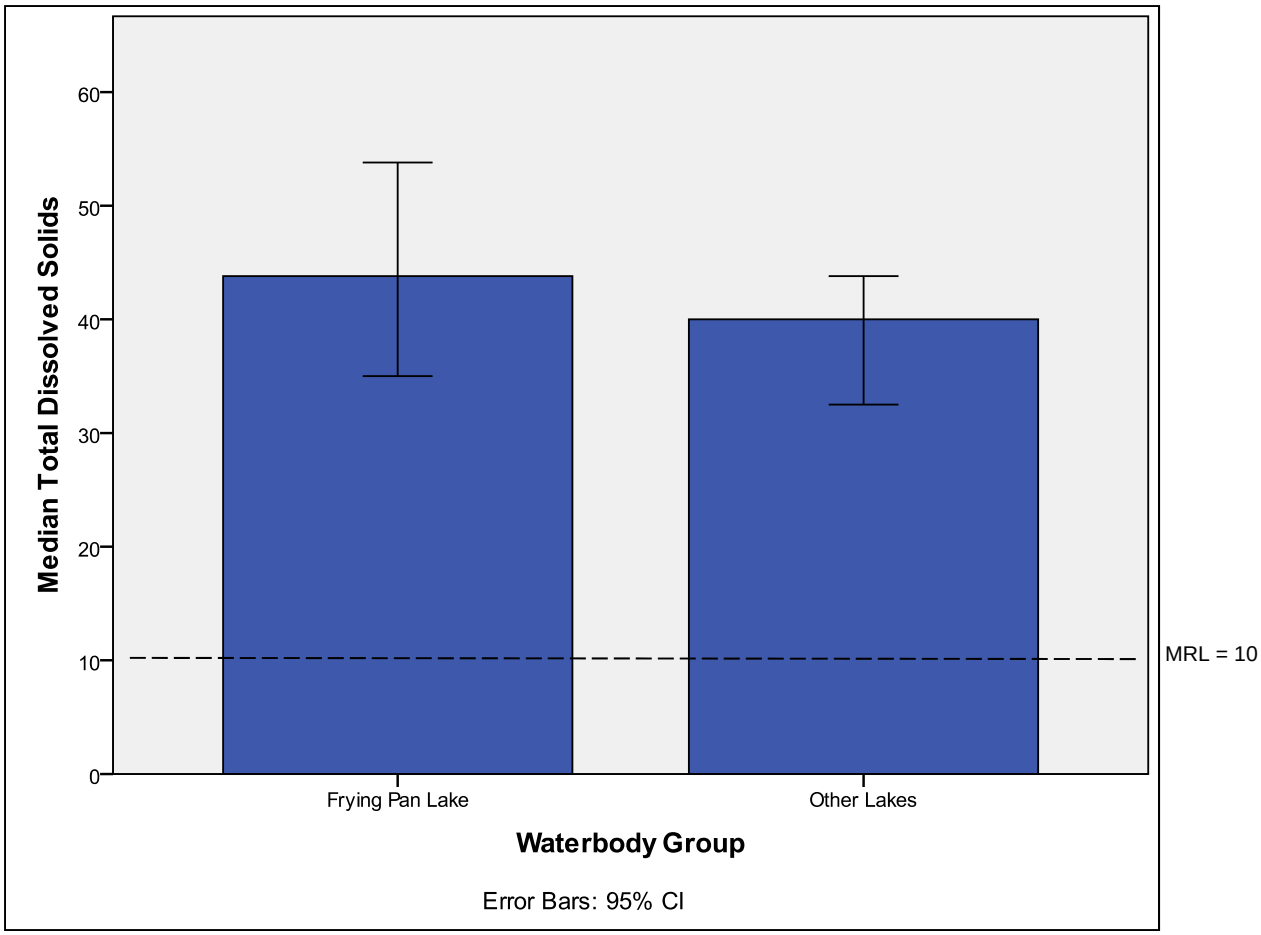


FIGURE 9.1-248
Total Dissolved Solids Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

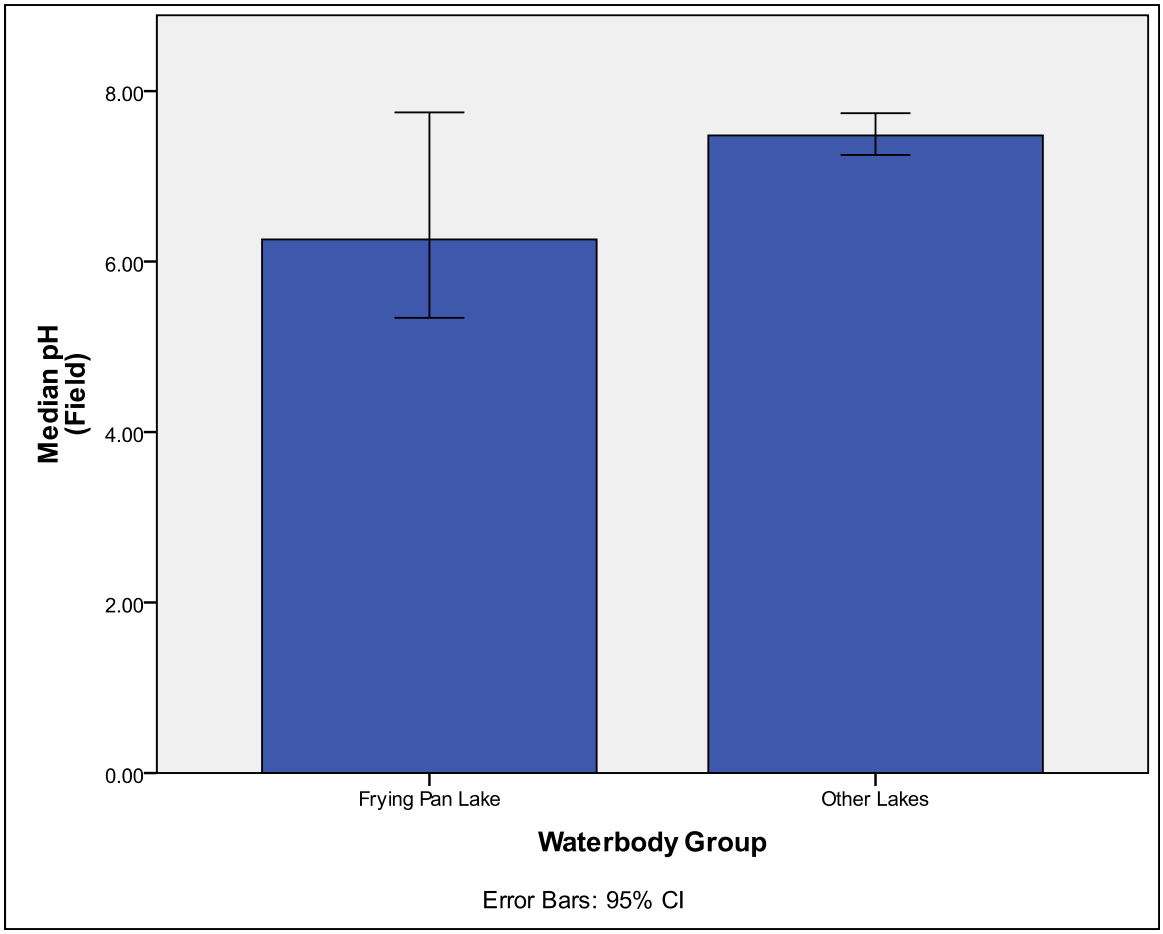


FIGURE 9.1-249
pH (Field) in Surface Water in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in standard pH units.
CI = confidence interval.

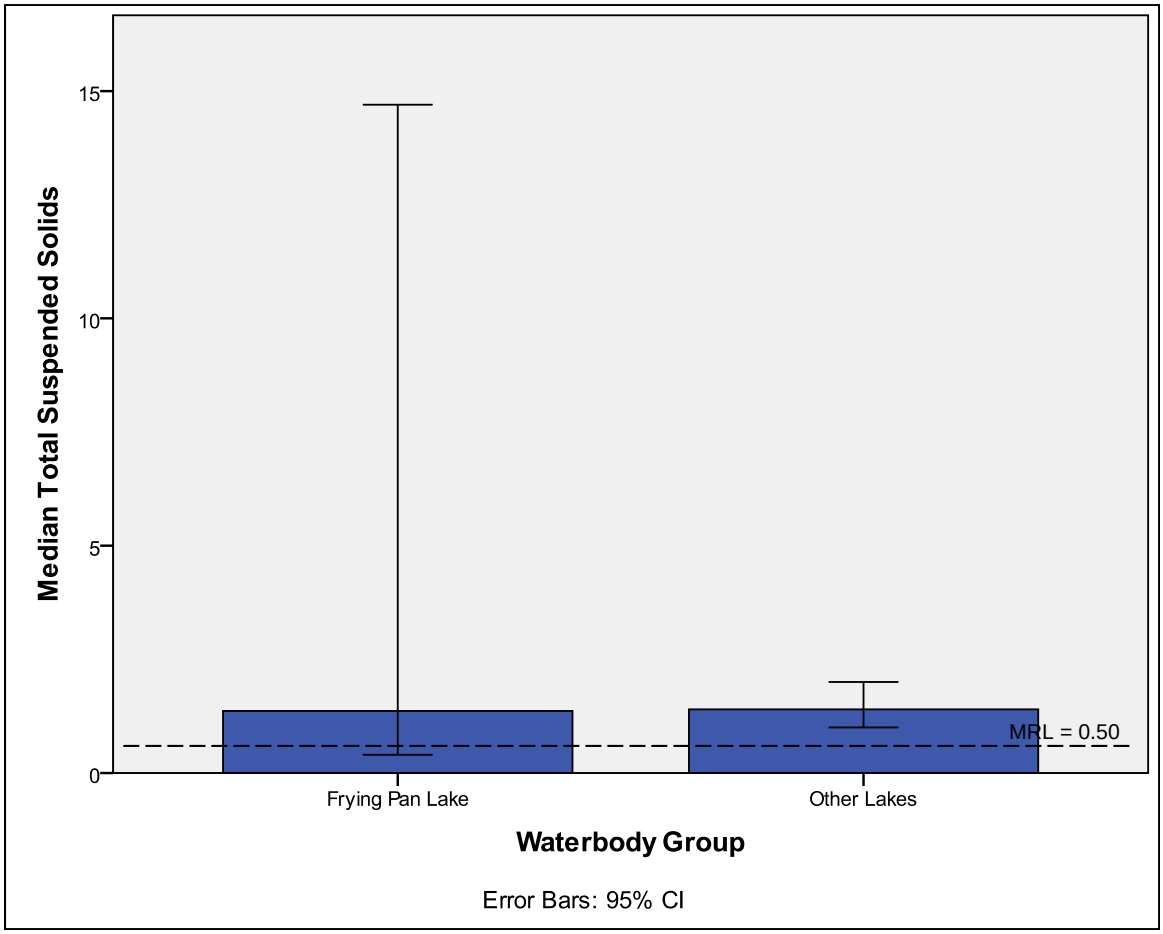


FIGURE 9.1-250
Total Suspended Solids Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

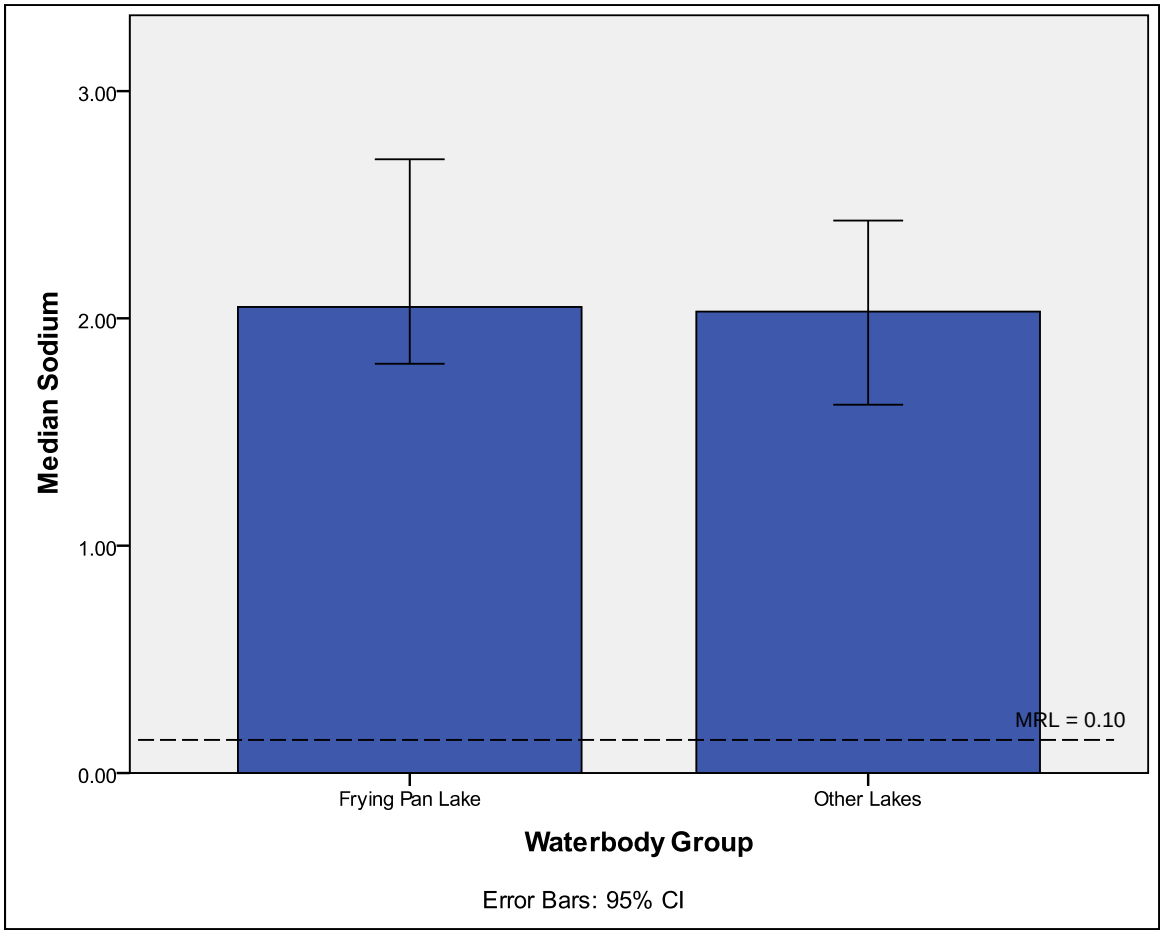


FIGURE 9.1-251
Sodium Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

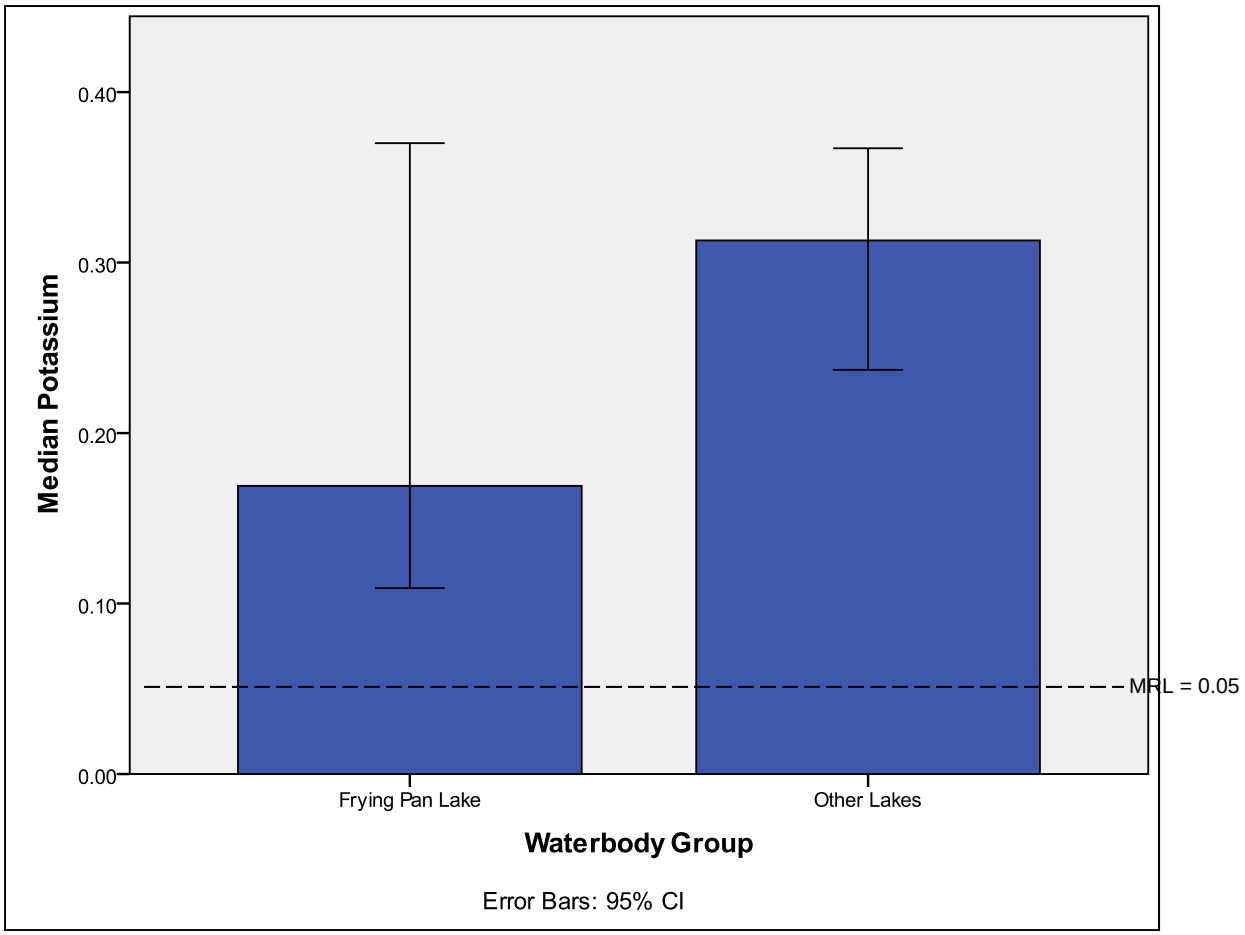


FIGURE 9.1-252
Potassium Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

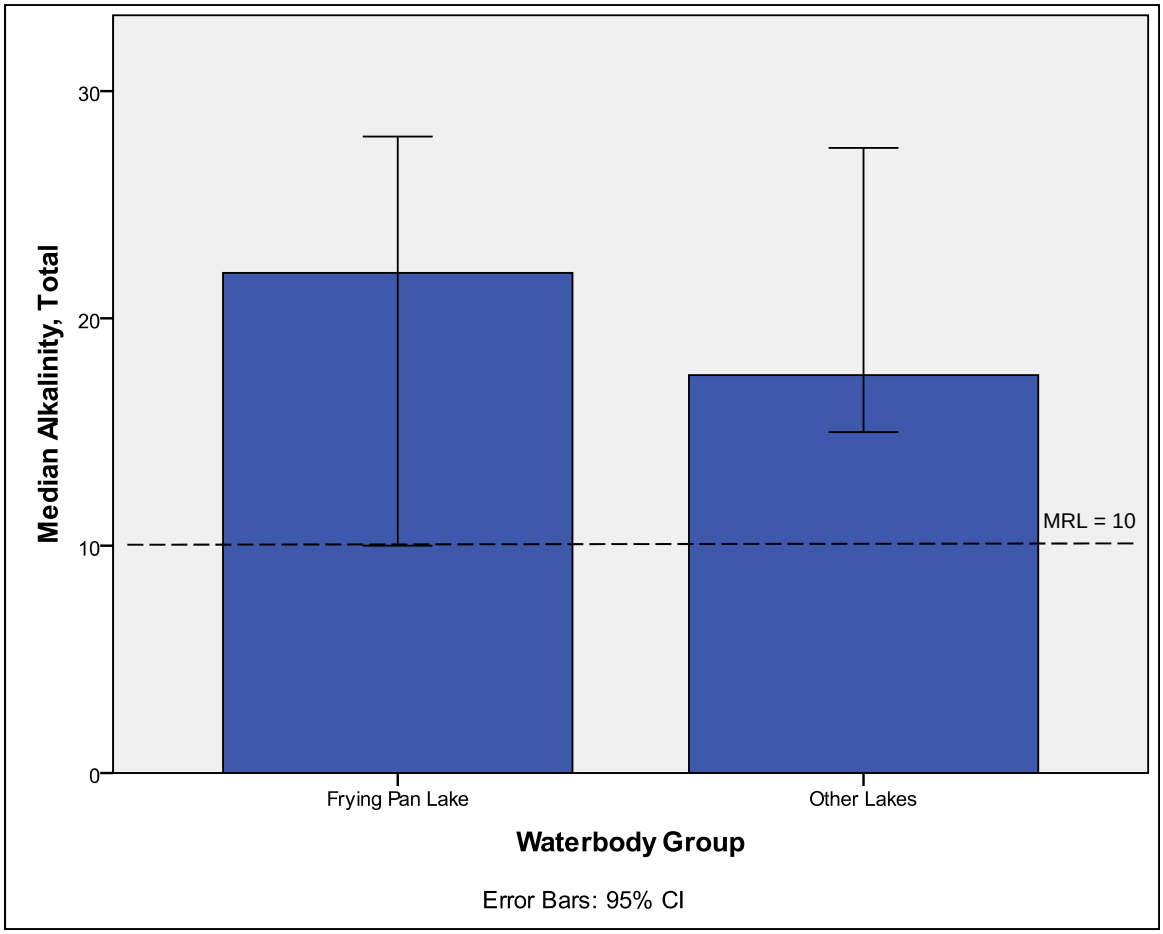


FIGURE 9.1-253
Alkalinity Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

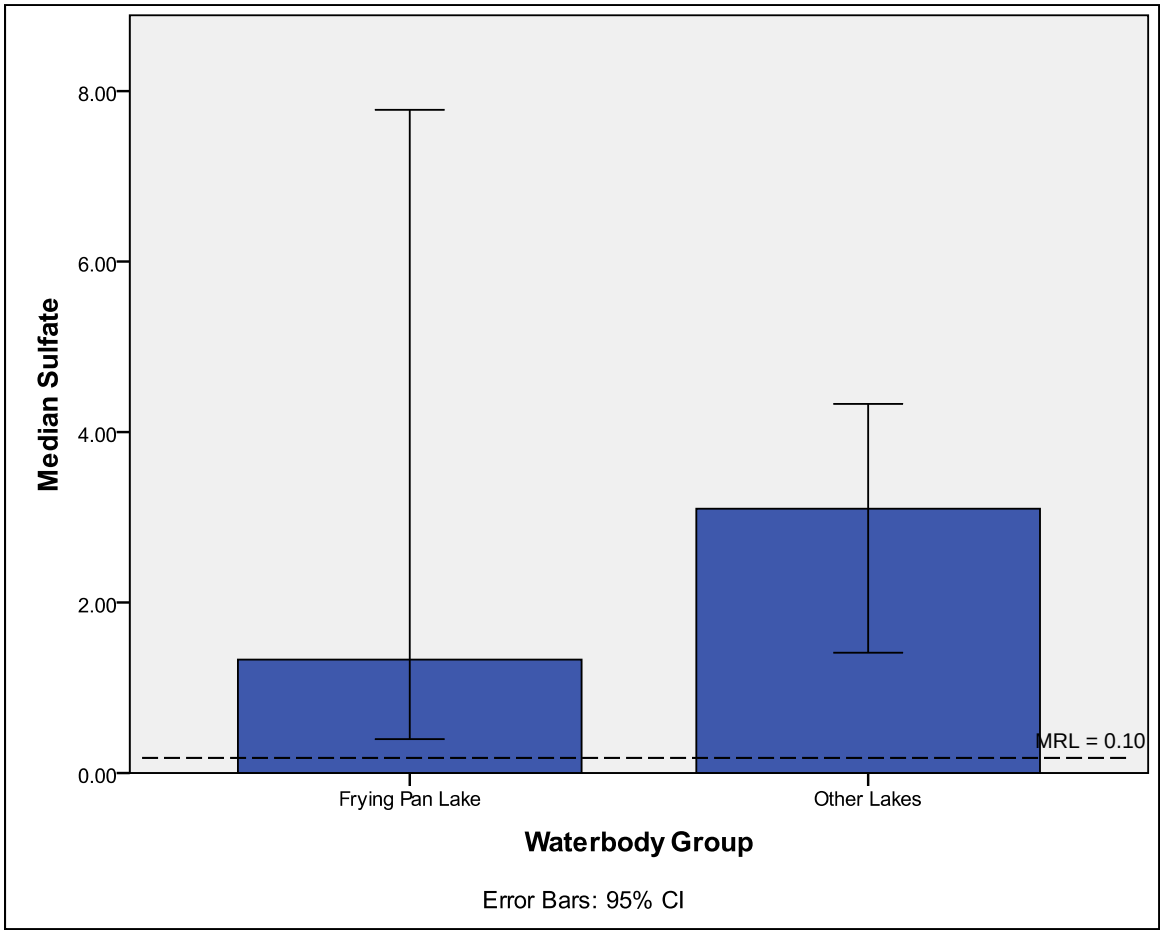


FIGURE 9.1-254
Sulfate Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

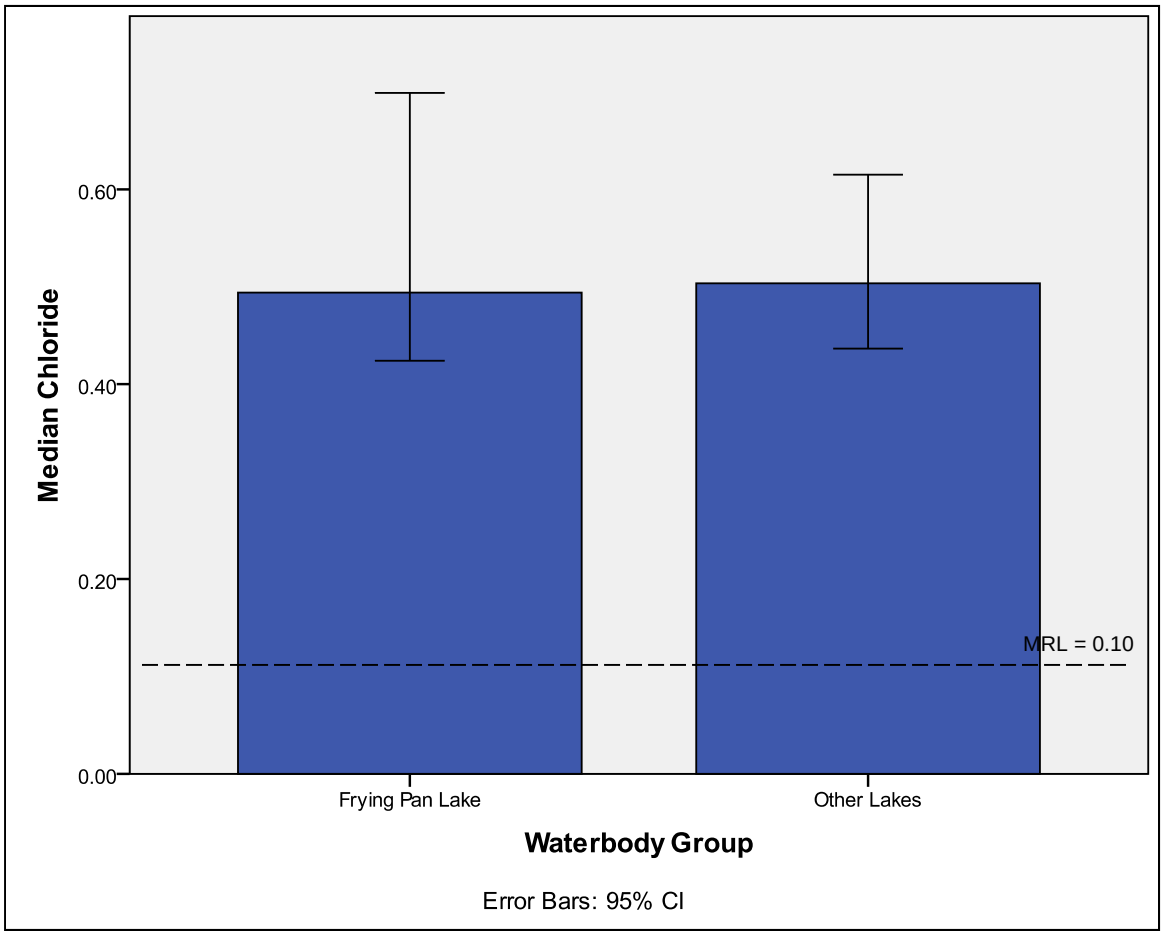


FIGURE 9.1-255
Chloride Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

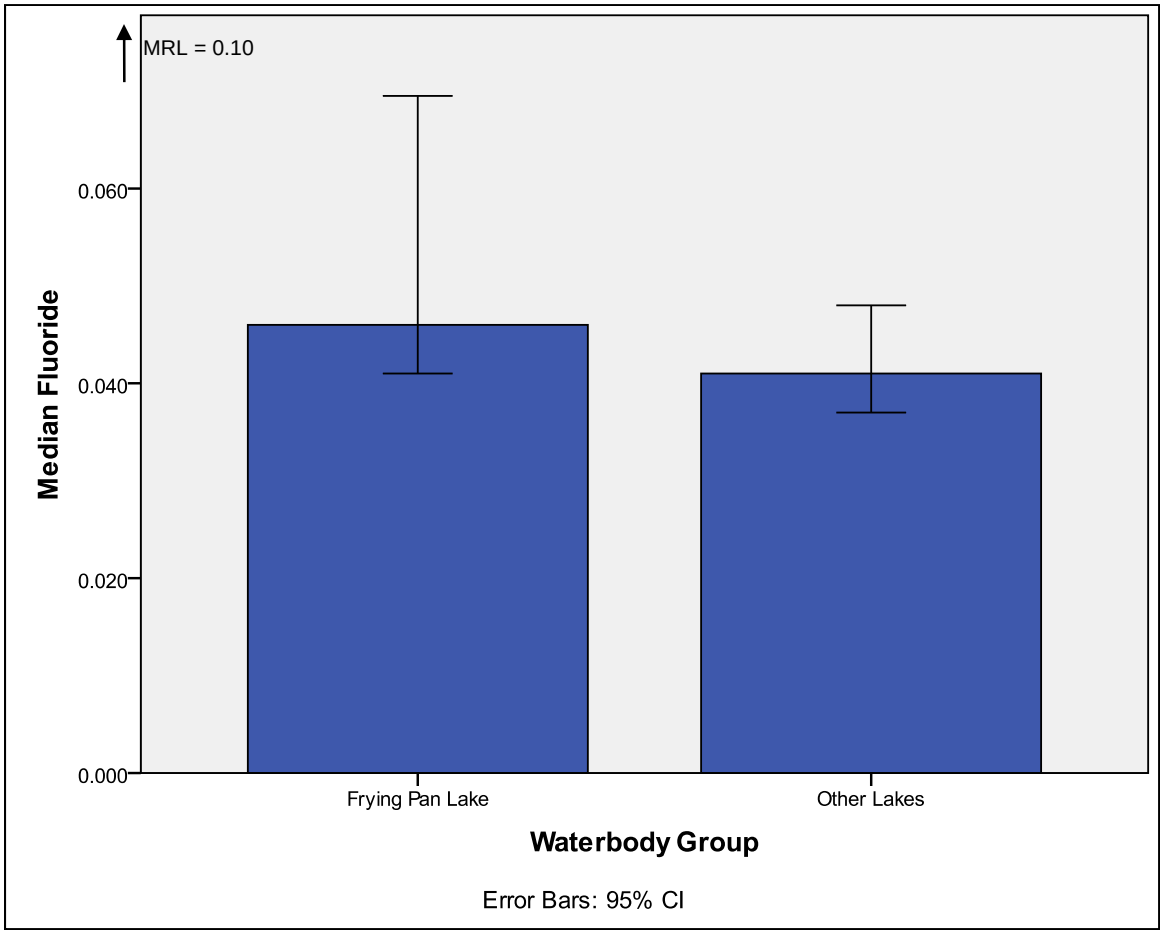


FIGURE 9.1-256
Fluoride Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

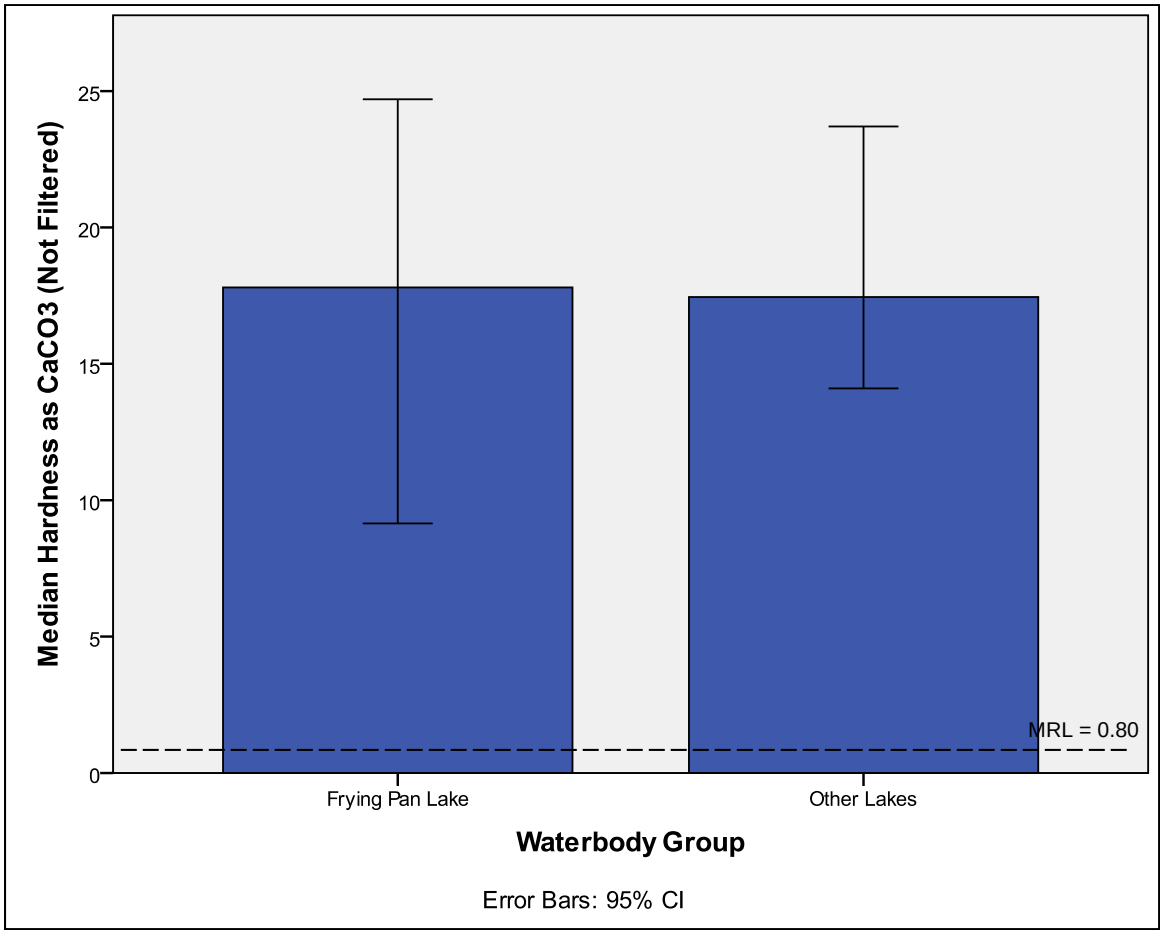


FIGURE 9.1-257
Hardness (as $CaCO_3$) Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

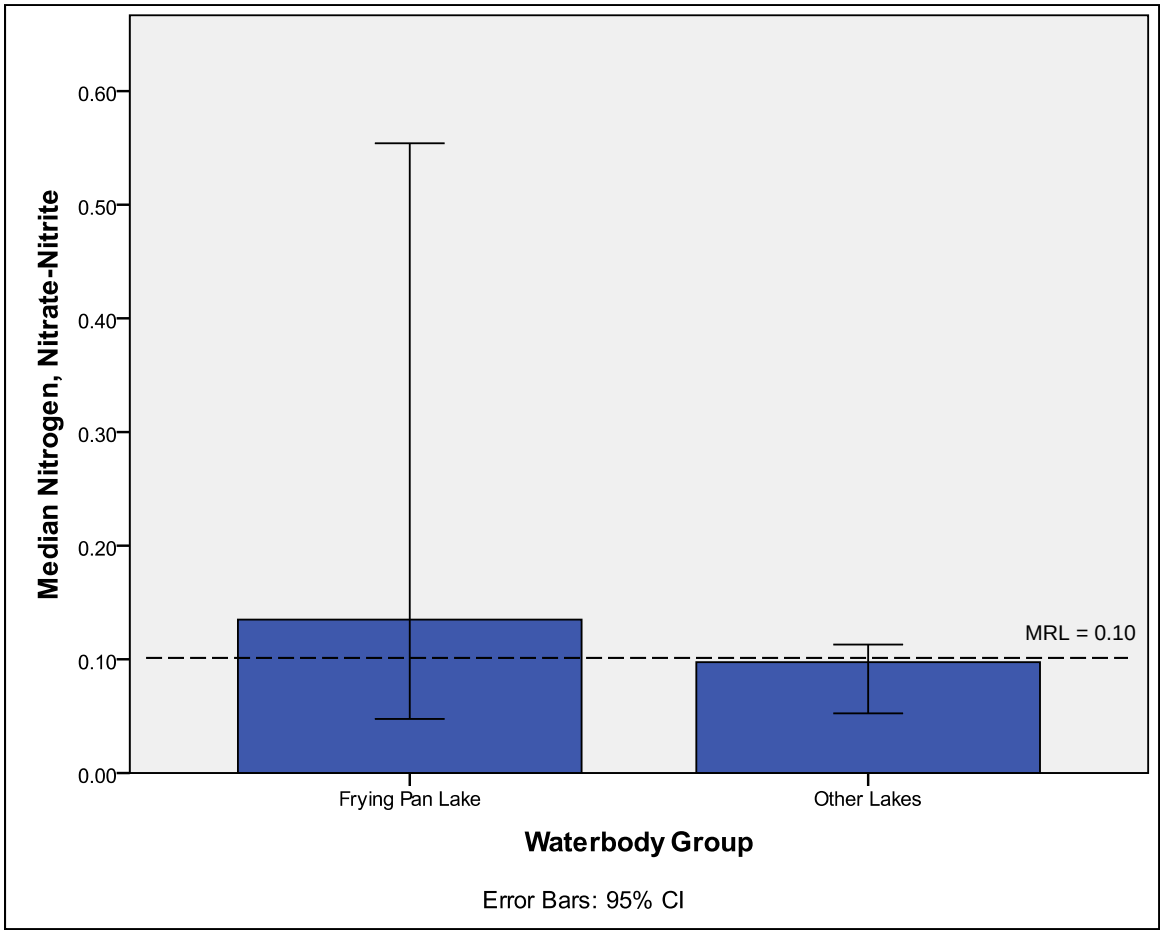


FIGURE 9.1-258
Total Nitrate+Nitrite (as N) Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

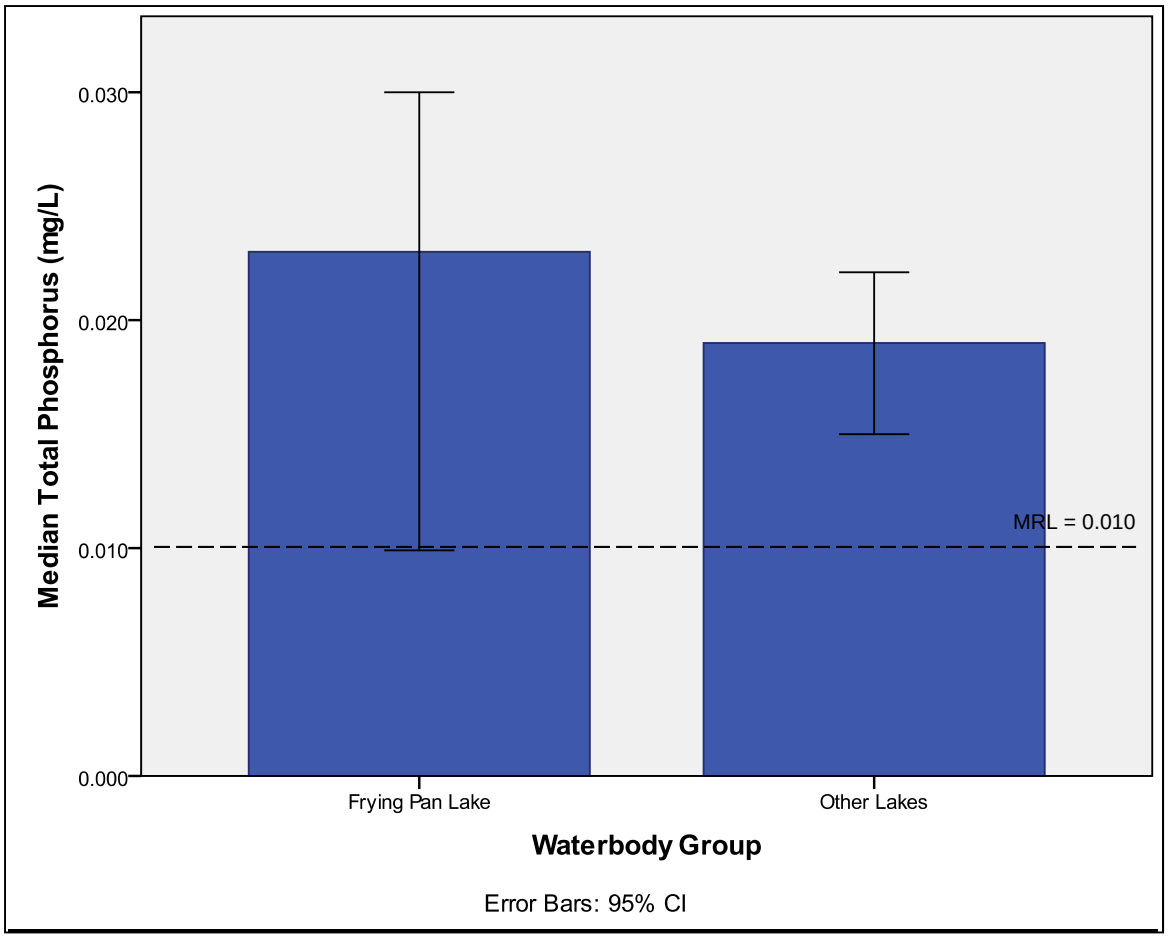


FIGURE 9.1-259
Total Phosphorus Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

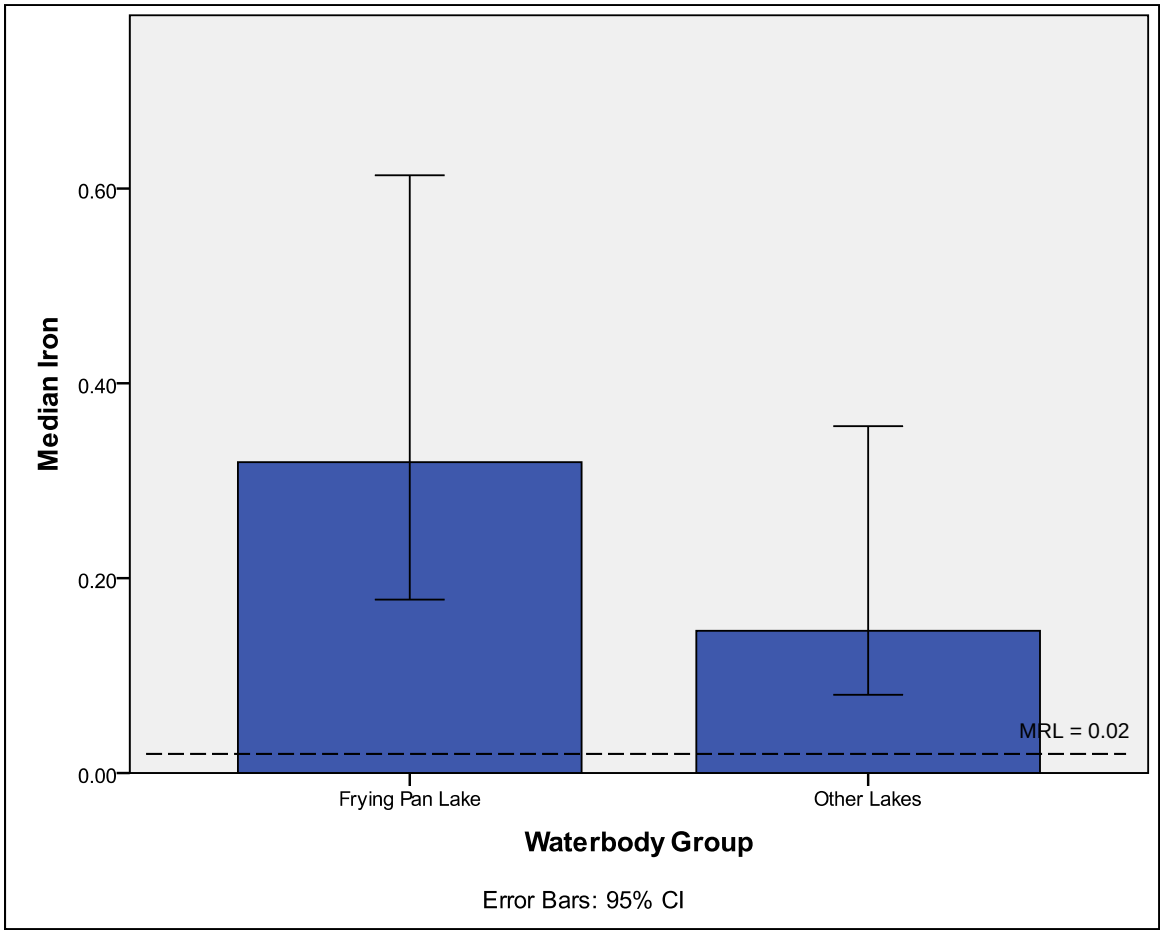


FIGURE 9.1-260
Iron Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

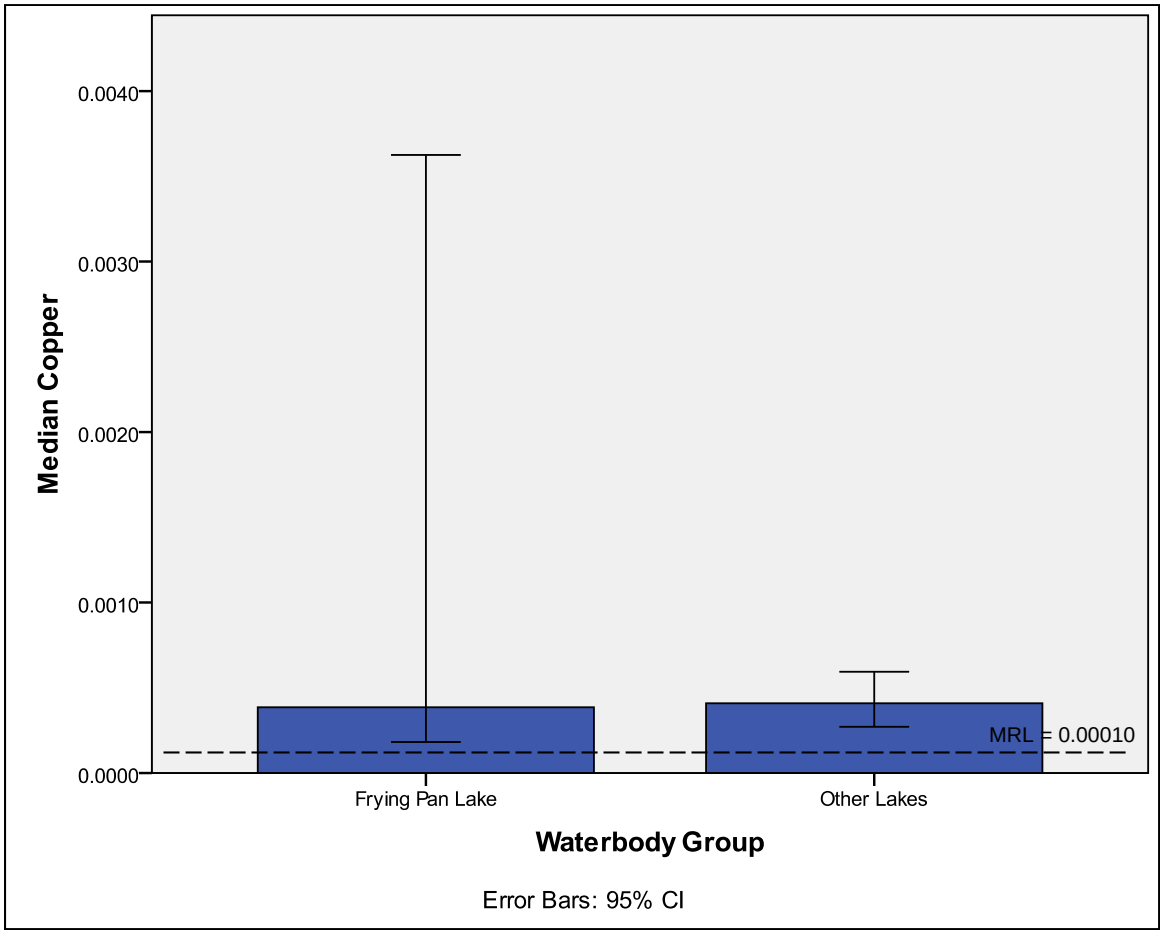


FIGURE 9.1-261
Copper Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

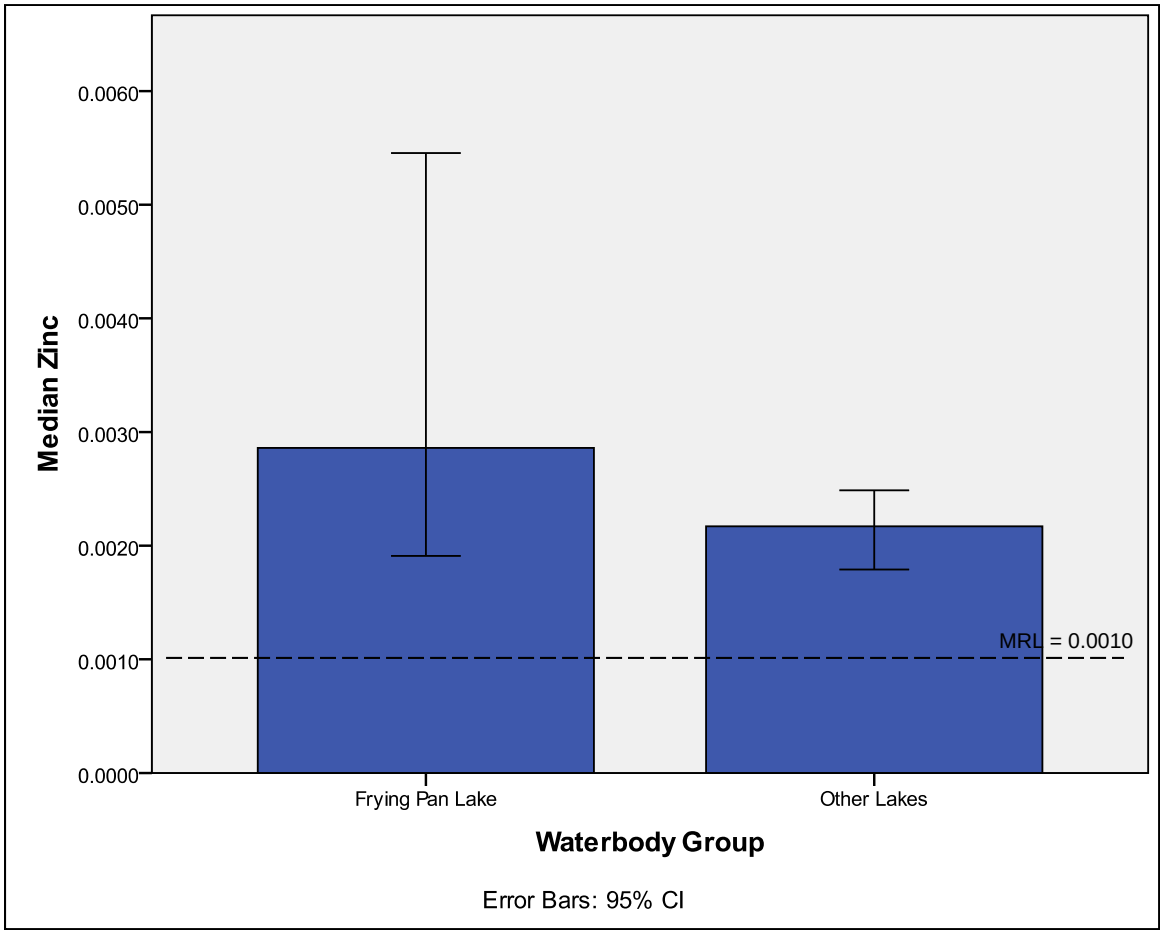


FIGURE 9.1-262
Zinc Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

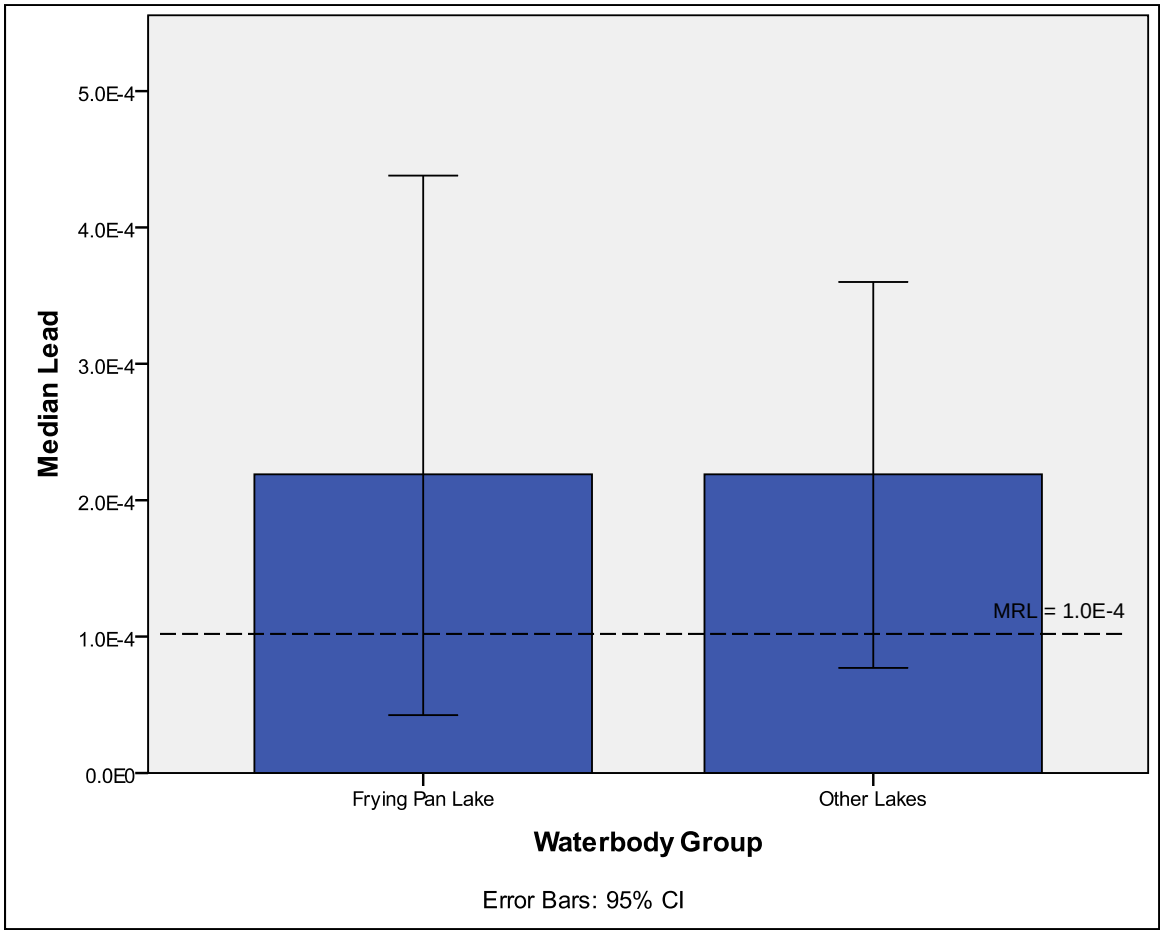


FIGURE 9.1-263
Lead Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

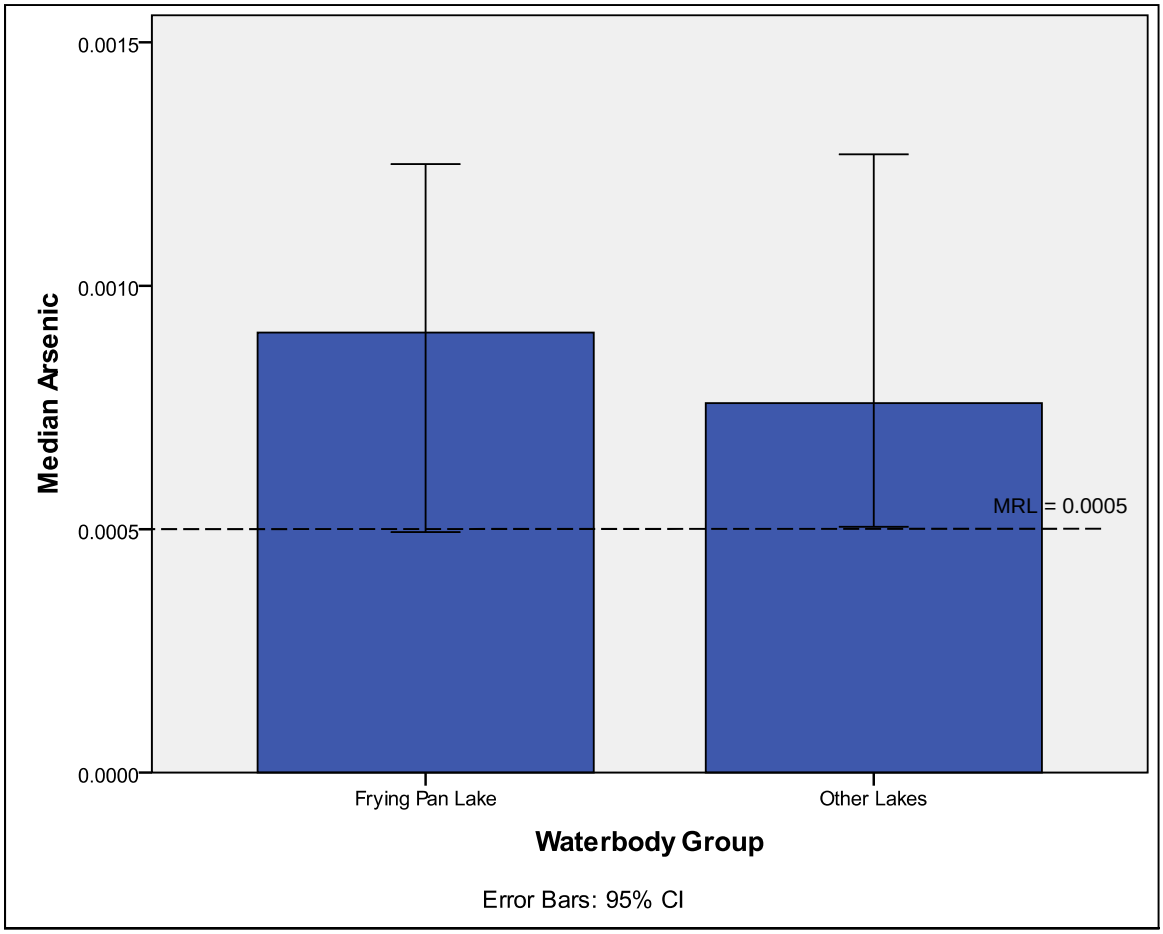


FIGURE 9.1-264
Arsenic Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

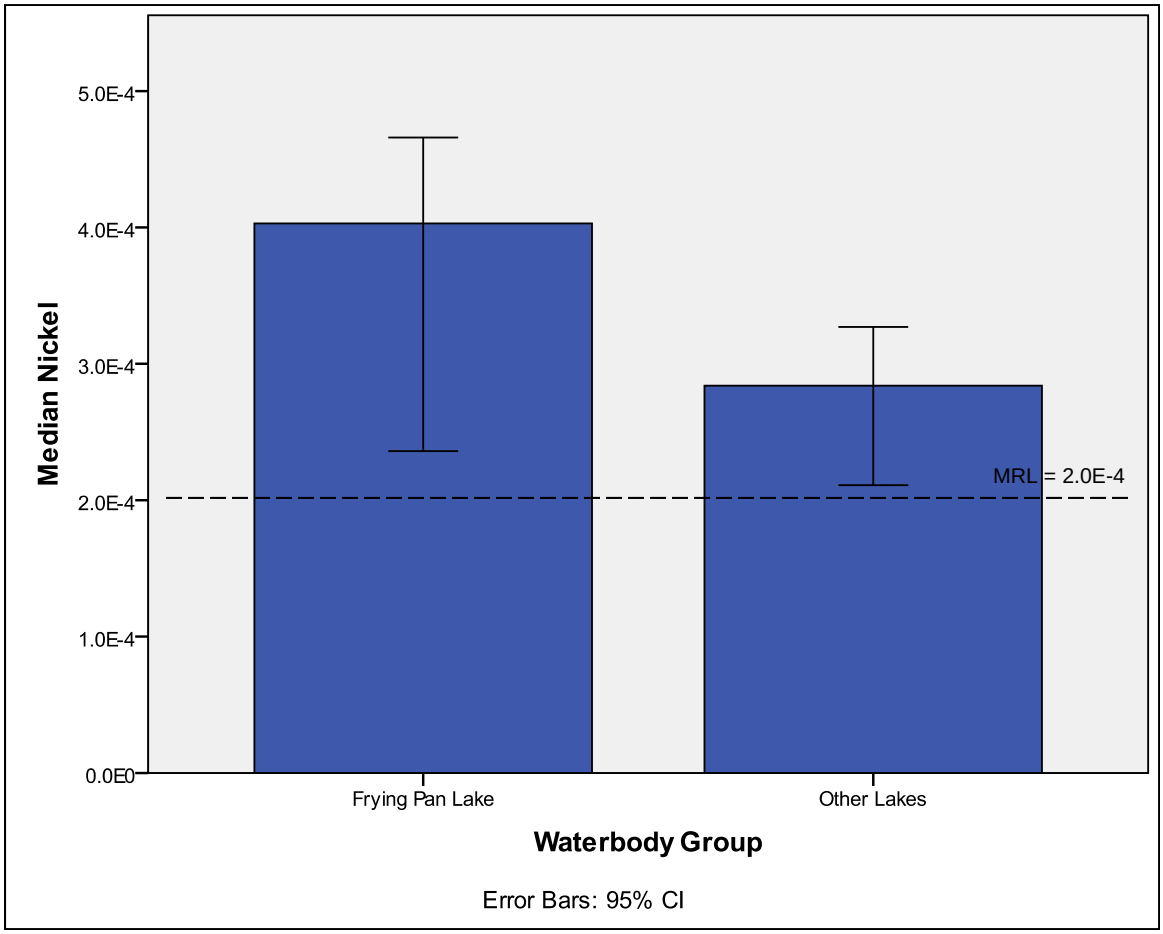


FIGURE 9.1-265
Nickel Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

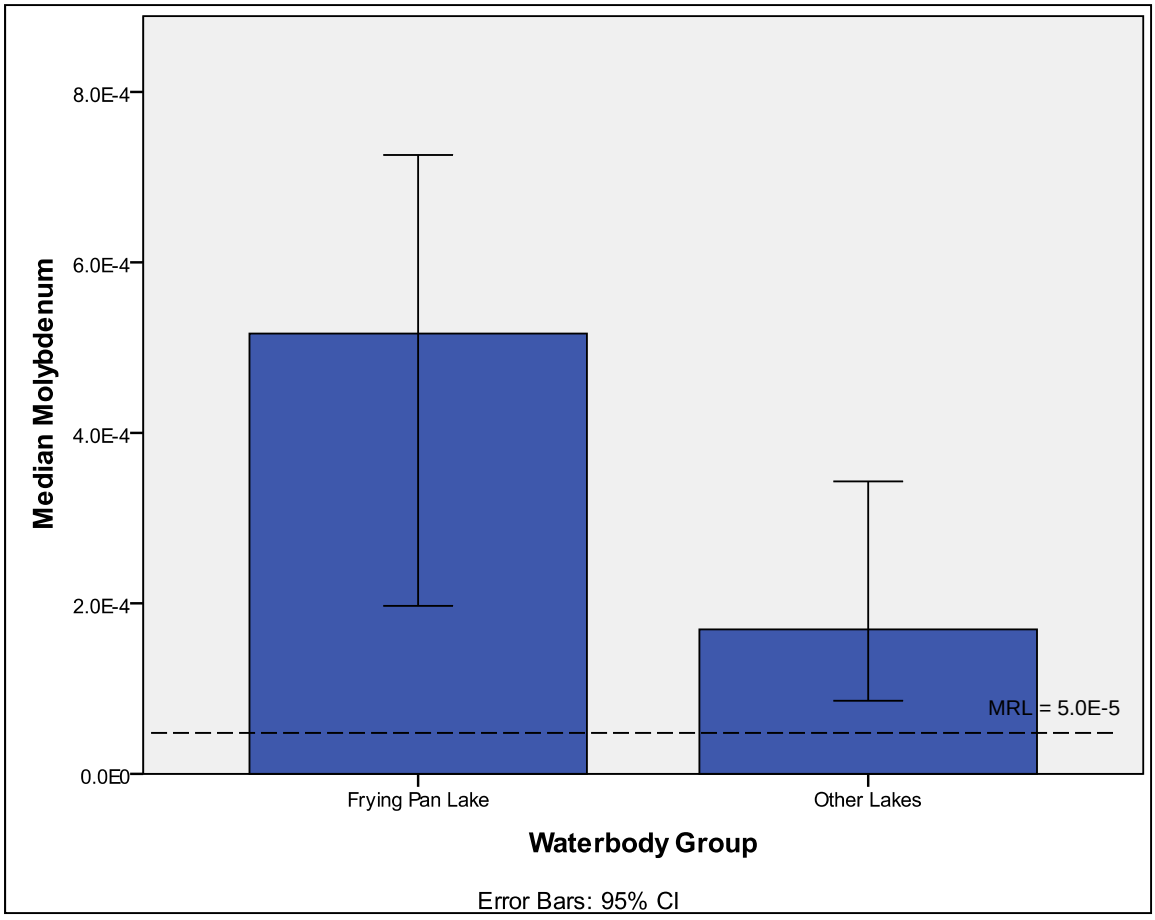


FIGURE 9.1-266
Molybdenum Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:
Median concentrations represent samples collected in July and August of 2006 and 2007.
Only detected values are shown.
Analyte concentrations are in milligrams per liter (mg/L).
CI = confidence interval.
MRL = method reporting limit.

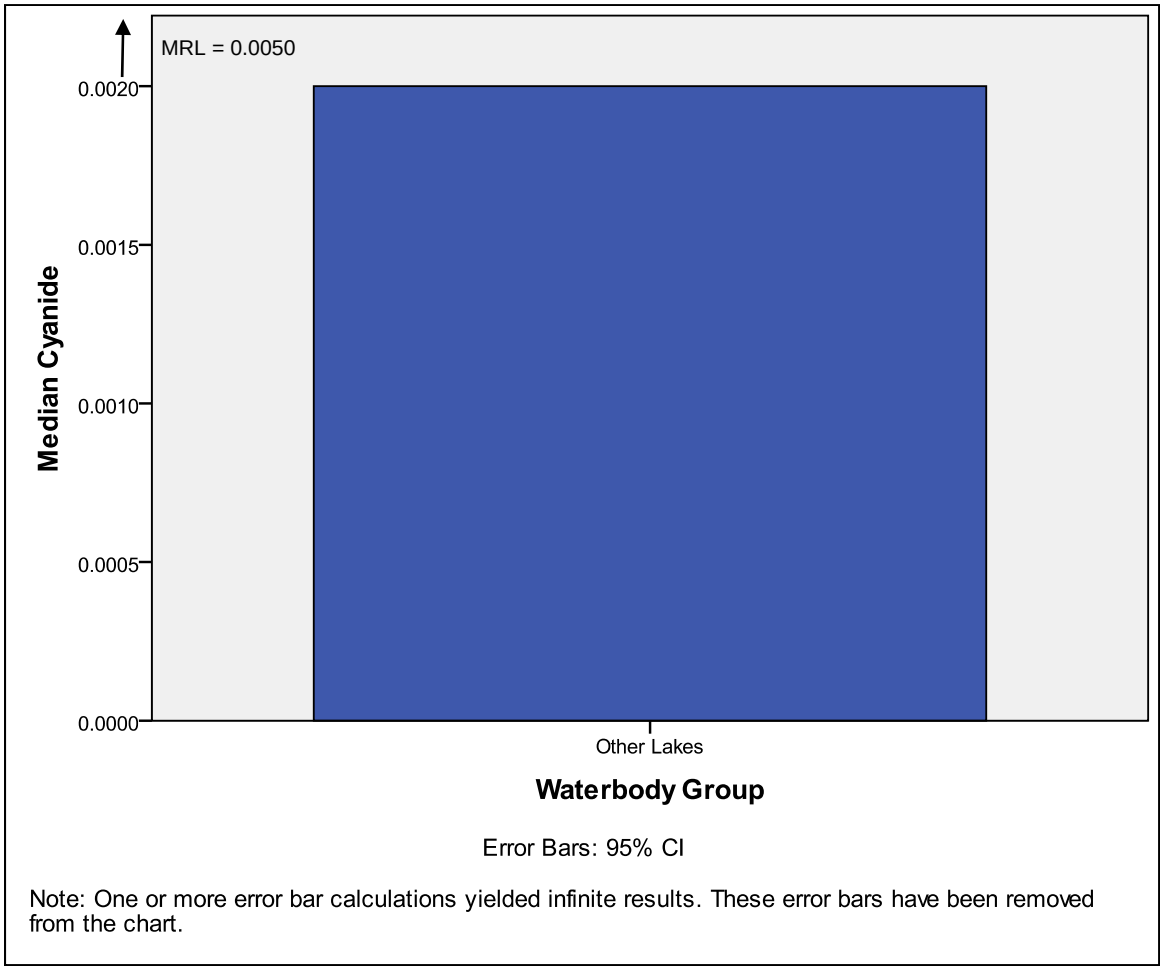


FIGURE 9.1-267
Total Cyanide Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:

Median concentrations represent samples collected in July and August of 2006 and 2007.

Only detected values are shown. Cyanide was not detected in Frying Pan Lake. Cyanide was detected only once in Other Lakes; error bars are therefore not relevant for these locations.

Analyte concentrations are in milligrams per liter (mg/L).

CI = confidence interval.

MRL = method reporting limit.

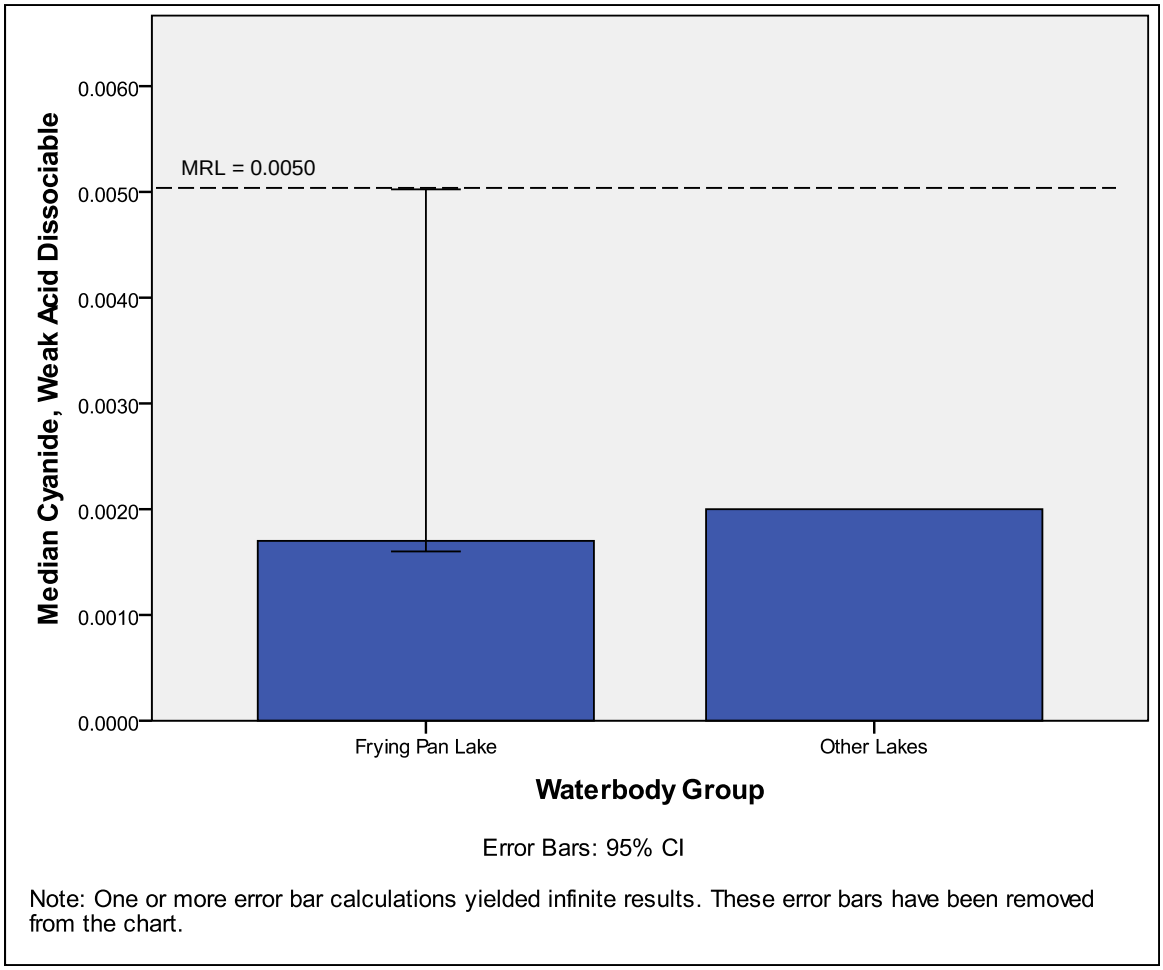


FIGURE 9.1-268
Cyanide, Weak Acid Dissociable (WAD) Surface Water Concentrations in Frying Pan Lake and Other Lakes in the Study Area

Notes:

Median concentrations represent samples collected in July and August of 2006 and 2007.

Only detected values are shown. Cyanide (weak acid dissociable) was detected only once in Other Lakes; error bars are therefore not relevant for these locations.

Analyte concentrations are in milligrams per liter (mg/L).

CI = confidence interval.

MRL = method reporting limit.

APPENDICES

APPENDIX 9.1A

Photographic Log for Stream Sampling Locations, Surface Water Quality, Mine Study Area

2004-2008

PHOTO 1: Downstream view of station KR100A, taken in September 2005.

PHOTO 2: Upstream view of station KR100A, taken in September 2005.

PHOTO 3: Aerial view of station KR100A, taken in March 2006.

PHOTO 4: Drilling cross-section at station KR100A.

PHOTO 5: Upstream view of station KC100A, taken in September 2005.

PHOTO 6: Downstream view of station KC100A, taken in September 2005.

PHOTO 7: Upstream view of station KC100A, taken in March 2006.

PHOTO 8: Downstream view of station KC100A, taken in March 2006.

PHOTO 9: Upstream view of station NK100A, taken in September 2005.

PHOTO 10: Downstream view of station NK100A, taken in September 2005

PHOTO 11: Preparing cross-section at station NK100A, taken in March 2006.

PHOTO 12: Upstream view of station NK100A, taken in March 2006.

PHOTO 13: Upstream view of station NK100B, taken in September 2005.

PHOTO 14: Downstream view of station NK100B, taken in September 2005.

PHOTO 15: Preparing cross-section at station NK100B, taken in March 2005.

PHOTO 16: Downstream view of station NK100B, taken in March 2005.

PHOTO 17: Upstream view of station NK100C, taken in September 2005.

PHOTO 18: Downstream view of station NK100C, taken in September 2005.

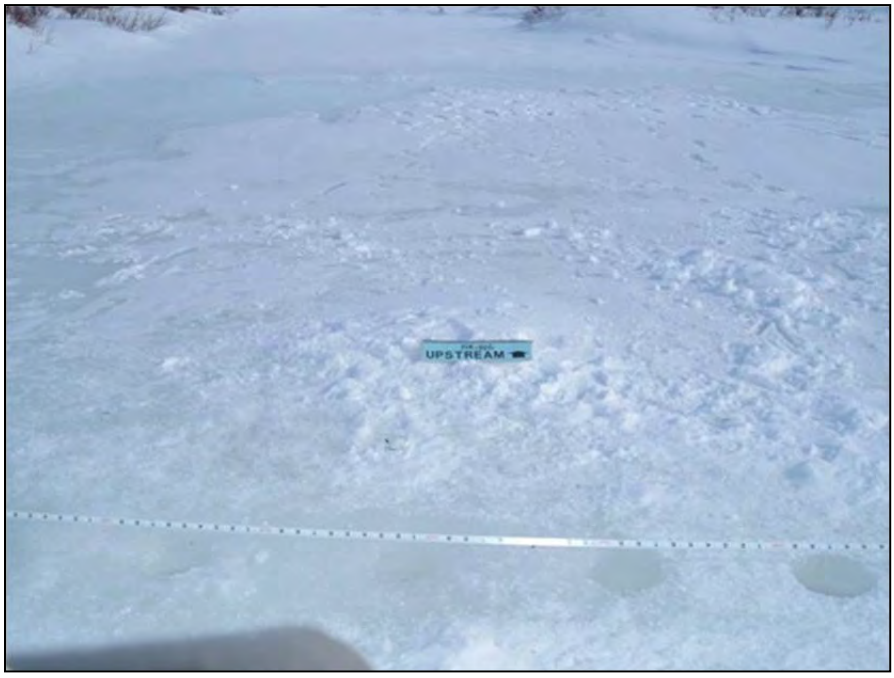


PHOTO 19: Upstream view of station NK100C, taken in March 2006.

PHOTO 20: Downstream view of station NK100C, taken in March 2006.

PHOTO 21: Upstream view of station NK119B, taken in September 2005.

PHOTO 22: Downstream view of station NK119B, taken in September 2005.

PHOTO 23: Upstream view of station NK119B, taken in March 2005.

PHOTO 24: Downstream view of station NK119B, taken in March 2005.

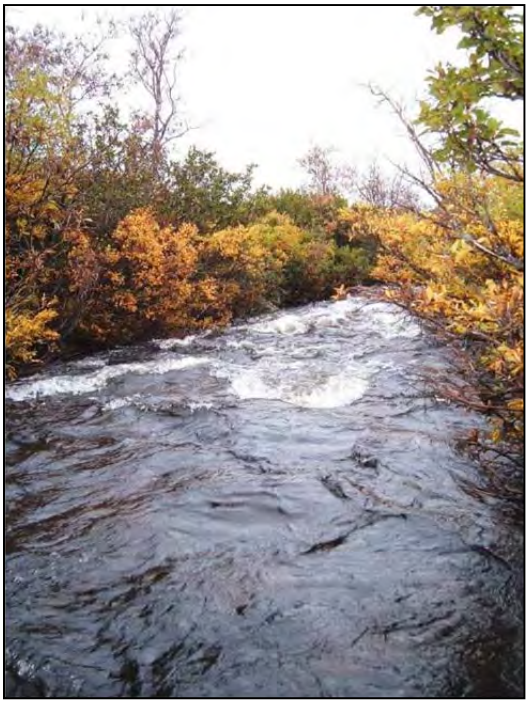


PHOTO 25: Upstream view of station NK119A, taken in September 2005.

PHOTO 26: Downstream view of station NK119A, taken in September 2005.

PHOTO 27: Cross-section view of station NK119A, taken in March 2006.

PHOTO 28: Upstream view of station NK119A, taken in March 2006.

PHOTO 29: Upstream view of station SK100A, taken in August 2006.

PHOTO 30: Downstream view of station SK100A, taken in July 2006.

PHOTO 31: Upstream view of station SK100A, taken in March 2006.

PHOTO 32: Downstream view of station SK100A, taken in March 2006.

PHOTO 33: Upstream view of station SK100B, taken in September 2005.

PHOTO 34: Downstream view of station SK100B, taken in September 2005.

PHOTO 35: Upstream view of station SK100B, taken in March 2005.

PHOTO 36: Downstream view of station SK100B, taken in March 2005.

PHOTO 37: Upstream view of station SK100B1, taken in September 2005.

PHOTO 38: Downstream view of station SK100B1, taken in September 2005.

PHOTO 39: Upstream view of station SK100B1, taken in March 2005.

PHOTO 40: Downstream view of station SK100B1, taken in March 2005.

PHOTO 41: Upstream view of station SK100B2, taken in September 2005.

PHOTO 42: Downstream view of station SK100B2, taken in August 2006.

PHOTO 43: Upstream view of station SK100B2, taken in February 2006.

PHOTO 44: Downstream view of station SK100B2, taken in February 2006.

PHOTO 45: Upstream view of station SK100C, taken in September 2005.

PHOTO 46: Downstream view of station SK100C, taken in September 2005.

PHOTO 47: Upstream view of station SK100C, taken in March 2005. Site was dry.

PHOTO 48: Upstream view of station SK100D, taken in September 2005.

PHOTO 49: Downstream view of station SK100D, taken in September 2005.

PHOTO 50: Upstream view of station SK100D, taken in March 2005.

PHOTO 51: Downstream view of station SK100D, taken in March 2005.

PHOTO 52: Upstream view of station SK100F, taken in September 2005.

PHOTO 53: Downstream view of station SK100F, taken in September 2005.

PHOTO 54: Upstream view of station SK100F, taken in March 2006.

PHOTO 55: Downstream view of station SK100F, taken in March 2006.

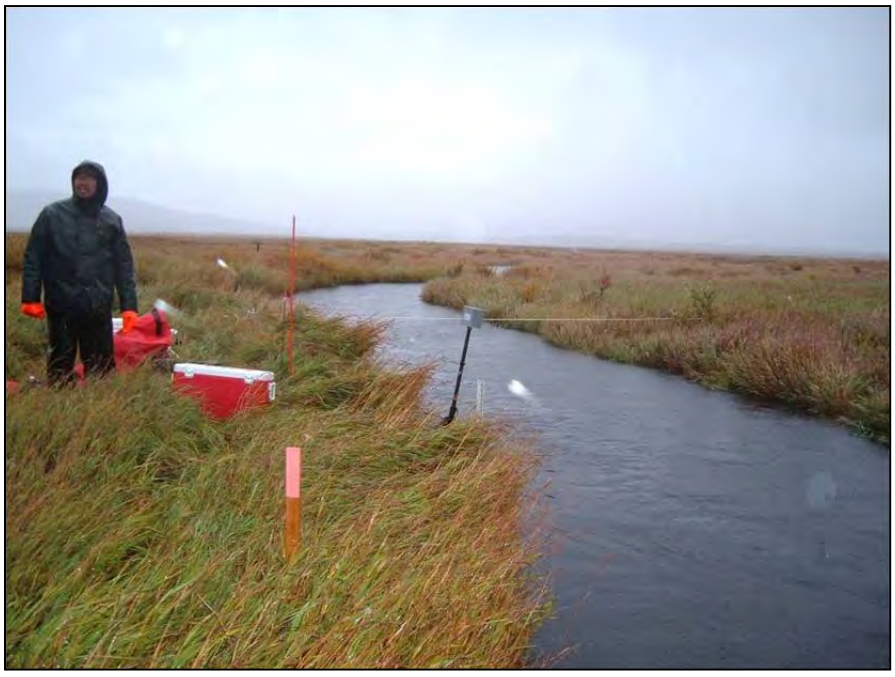


PHOTO 56: Upstream view of station SK100G, taken in September 2005.

PHOTO 57: Downstream view of station SK100G, taken in August 2006.

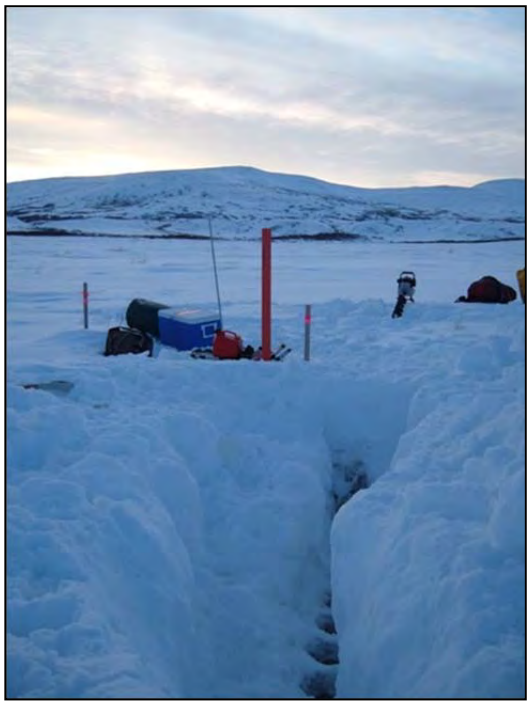


PHOTO 58: Cross-section view of station SK100G, taken in March 2006.

PHOTO 59: Downstream view of station SK100G, taken in March 2006.

PHOTO 60: Upstream view of station SK119A, taken in September 2005.

PHOTO 61: Downstream view of station SK119A, taken in September 2005.

PHOTO 62: Upstream view of station SK119A, taken in March 2006.

PHOTO 63: Downstream view of station SK119A, taken in March 2006.

PHOTO 64: Upstream view of station SK124A, taken in September 2005.

PHOTO 65: Downstream view of station SK124A, taken in September 2005.

PHOTO 66: Cross-section view of station SK124A, taken in March 2006.

PHOTO 67: Downstream view of station SK124A, taken in March 2006.

PHOTO 68: Upstream view of station SK131A, taken in September 2005.

PHOTO 69: Downstream view of station SK131A, taken in September 2005.

PHOTO 70: Cross-section view of station SK131A, taken in March 2006.

PHOTO 71: Downstream view of station SK131A, taken in March 2006.

PHOTO 72: Upstream view of station SK133A, taken in September 2005.

PHOTO 73: Downstream view of station SK133A, taken in September 2005.

PHOTO 74: Upstream view of station SK133A, taken in March 2006.

PHOTO 75: Downstream view of station SK133A, taken in March 2006.

PHOTO 76: Upstream view of station SK134A, taken in September 2005.

PHOTO 77: Downstream view of station SK134A, taken in September 2005.

PHOTO 78: Upstream view of station SK134A, taken in March 2006.

PHOTO 79: Downstream view of station SK134A, taken in March 2006.

PHOTO 80: Upstream view of station SK136A, taken in September 2005.

PHOTO 81: Downstream view of station SK136A, taken in September 2005.

PHOTO 82: Upstream view of station SK136A, taken in March 2006.

PHOTO 83: Cross-section view of station SK136A, taken in March 2006.

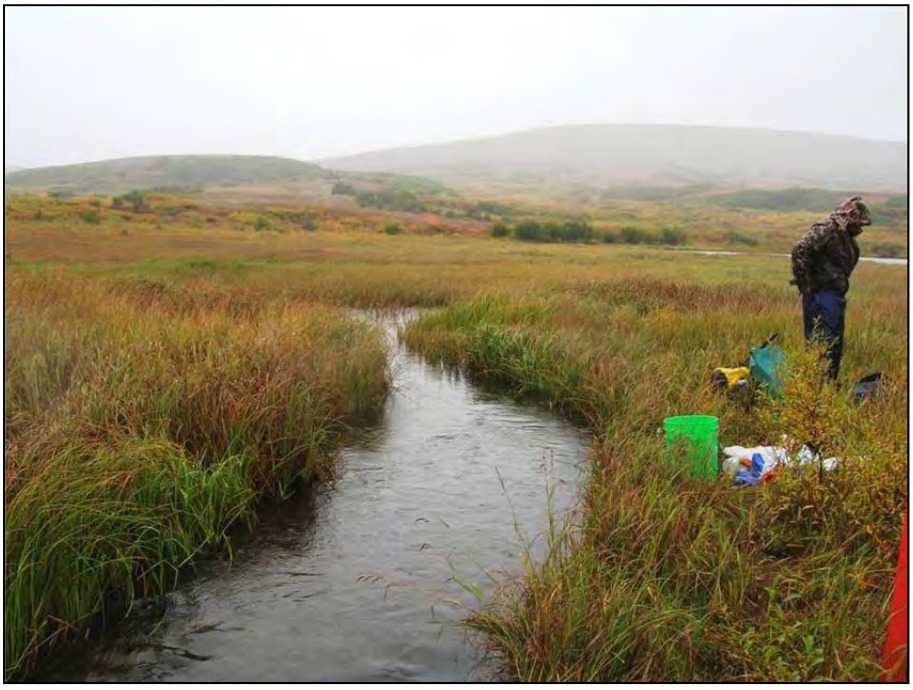


PHOTO 84: Upstream view of station SK136B, taken in September 2005.

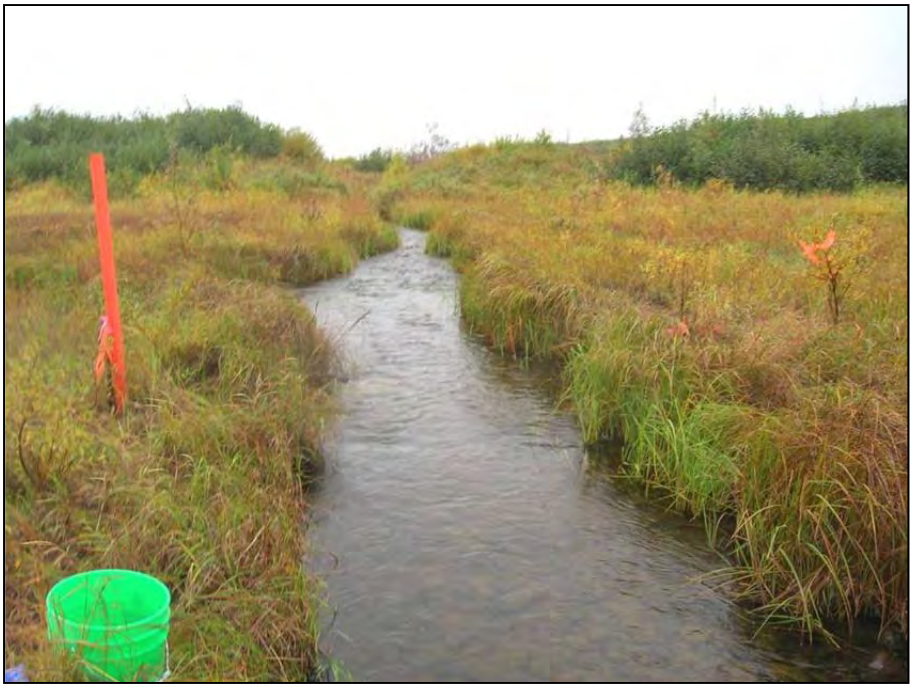


PHOTO 85: Downstream view of station SK136B, taken in September 2005.

PHOTO 86: Upstream view of station SK136B, taken in March 2006.

PHOTO 87: Downstream view of station SK136B, taken in March 2006.

PHOTO 88: Upstream view of station UT100A, taken in August 2006.

PHOTO 89: Downstream view of station UT100A, taken in August 2006.

PHOTO 90: Upstream view of station UT100A, taken in March 2005.

PHOTO 91: Cross-section view of station UT100A, taken in March 2005.

PHOTO 92: Upstream view of station UT100B, taken in September 2005.

PHOTO 93: Downstream view of station UT100B, taken in September 2005.

PHOTO 94: Upstream view of station UT100B, taken in March 2005.

PHOTO 95: Downstream view of station UT100B, taken in March 2005.

PHOTO 96: Upstream view of station UT100D, taken in September 2005.

PHOTO 97: Downstream view of station UT100D, taken in September 2005.

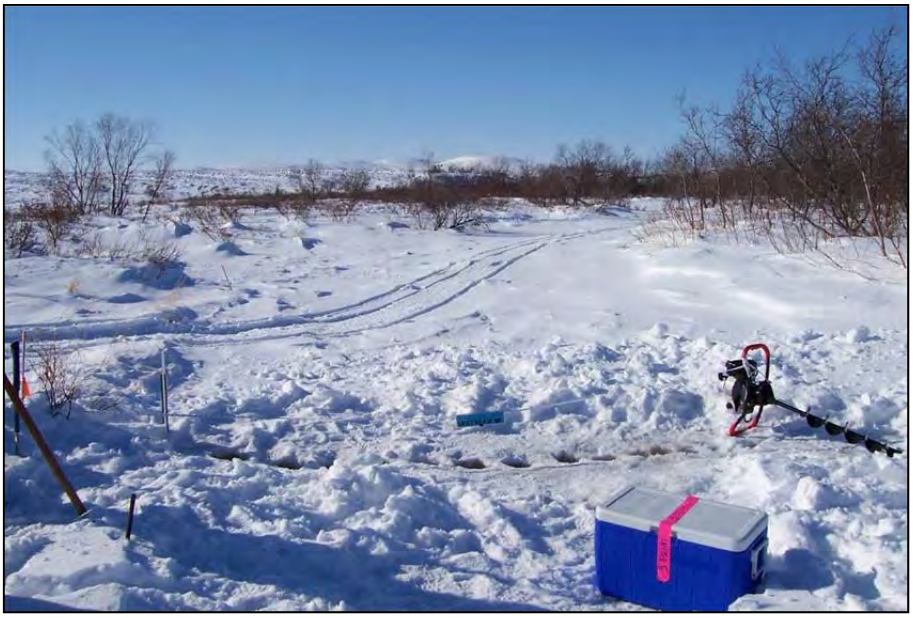


PHOTO 98: Upstream view of station UT100D, taken in March 2006.

PHOTO 99: Downstream view of station UT100D, taken in March 2006.

PHOTO 100: Upstream view of station UT100E, taken in September 2005.

PHOTO 101: Downstream view of station UT100E, taken in September 2005.

PHOTO 102: Upstream view of station UT100E, taken in March 2006.

PHOTO 103: Downstream view of station UT100E, taken in March 2006.

PHOTO 104: Upstream view of station UT119A, taken in September 2005.

PHOTO 105: Downstream view of station UT119A, taken in September 2005.

PHOTO 106: Upstream view of station UT119A, taken in March 2006.

PHOTO 107: Downstream view of station UT119A, taken in March 2006.

PHOTO 108: Upstream view of station UT119B, taken in September 2005.

PHOTO 109: Downstream view of station UT119B, taken in September 2005.

PHOTO 110: Upstream view of station UT119B, taken in March 2006.

PHOTO 111: Downstream view of station UT119B, taken in March 2006.

PHOTO 112: Upstream view of station UT135A, taken in September 2005.

PHOTO 113: Downstream view of station UT135A, taken in September 2005.

PHOTO 114: Upstream view of station UT135A, taken in March 2006.

PHOTO 115: Downstream view of station UT135A, taken in March 2006.

PHOTO 116: Upstream view of station UT138A, taken in September 2005.

PHOTO 117: Downstream view of station UT138A, taken in September 2005.

PHOTO 118: Upstream view of station UT138A, taken in March 2006.

PHOTO 119: Downstream view of station UT138A, taken in March 2006.

PHOTO 120: Upstream view of station UT141A, taken in September 2005.

PHOTO 121: Downstream view of station UT141A, taken in September 2005.

PHOTO 122: Upstream view of station UT141A, taken in March 2005.

PHOTO 123: Downstream view of station UT141A, taken in March 2005.

PHOTO 124: Upstream view of station UT146A, taken in September 2005.

PHOTO 125: Downstream view of station UT146A, taken in September 2005.

PHOTO 126: Upstream view of station UT146A, taken in March 2005.

PHOTO 126: Cross-section view of station UT146A, taken in March 2005.

APPENDIX 9.1B

Surface Water Quality Results Summary, Mine Study Area 2004-2008

Parameters Total/Dissolved	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100A																											
Sample Date																											
04/28/04	7.42	1.91	13.19		0.035	233.0	0.80	13.3	36.0	43.8	1.52	**1.57**	12.0				**0.0370**		0.964	**0.0155**	2.95	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/18/04	6.87	3.29				16.1	14.1	10.6	33.0	28.8	2.20	**1.57**	11.5	**0.0400**			**0.0155**		0.751	**0.0320**	3.12	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/05/04													15.0														
06/15/04	7.23	8.34	11.26		0.048	274.0		14.1	42.0	33.8	1.10	**1.57**	28.0				**0.0155**		0.939	**0.0540**	4.01	**0.00125**	**0.00125**	**0.065**			**0.0155**
07/14/04	6.81	12.05	9.61		0.050	-54.0	3.3	15.7	45.0	38.8	1.40	**1.57**	15.5	**0.310**			**0.0155**		0.866	**0.045**	3.77	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/14/04													16.0														
08/24/04	6.62	11.17	11.76	108.4	0.050	244.0	0.60	14.4	45.0	31.3	0.53	**1.57**	18.0	**0.155**			**0.0155**		0.959	**0.078**	3.20	**0.00125**	**0.0027**	**0.160**			**0.0155**
09/14/04	6.54	6.01	11.76		0.051	200.0	0.80	14.7	46.0	46.3	0.80	**1.57**	17.0	**0.155**			**0.0155**		1.000	**0.050**	3.40	**0.00125**	**0.0030**	**0.200**			**0.0155**
10/17/04	6.30	3.40	13.23	99.2	0.043			13.1	42.0	37.5	0.60	**1.57**	13.5	**0.790**			**0.0155**		1.130	**0.0155**	4.33	**0.00125**	**0.0038**	**0.0295**			**0.0155**
01/28/05	6.72	-0.18	12.5		0.051	-73.0	7.0	15.7	43.5	37.5	**0.075**	**0.785**	16.0	0.210			0.0520		0.906	**0.031**	4.50	**0.00125**	**0.00125**	**0.180**			**0.05**
03/19/05	7.44	-0.16		105.9	0.050	-47.0	1.9	16.3	41.0	25.0	0.71	**2.75**	17.0	**0.0155**			0.0164		0.925	**0.032**	3.54	**0.00125**	**0.00125**	**0.180**			**0.0155**
05/06/05	7.28	3.39	12.35	92.7	0.030	109.6	4.24	11.1	27.0	27.5	5.00	**3.88**	10.0	3.080			0.0625		0.692	**0.0155**	1.90	**0.00125**	**0.00125**	**0.400**			**0.0155**
06/02/05	6.25	12.08	10.68	99.3	0.039	186.1	0.67	13.8	39.5	36.3	0.80	**1.75**	13.5	**0.0155**			0.0225		0.715	**0.0155**	3.79	**0.00125**	**0.00125**	**0.150**			**0.0155**
07/09/05	7.20	12.55	9.30	87.5	0.046	162.0	0.56	18.0	44.0	37.5	0.90	**1.88**	17.5	**0.0155**			0.0275		0.715	**0.0155**	3.31	**0.00125**	**0.00125**	**0.210**			**0.082**
08/17/05	6.72	10.68	10.37	93.2	0.045	-48.0	1.81	17.5	50.0	31.3	2.50	**3.00**	17.5	**0.0155**			**0.0099**		0.846	**0.0155**	3.09	**0.0025**	**0.0030**	**0.260**			**0.033**
09/16/05	7.07	8.39			0.034	137.8	1.29	14.2	36.5	43.8	1.81	**3.13**	11.5	0.178			**0.0085**		0.937	**0.0155**	3.34	**0.00125**	**0.00125**	**0.390**			0.343
10/29/05	6.50	0.18	14.18	97.5	0.045	-145.4	0.54	16.8	43.0	30.0	1.70	**2.00**	15.0	**0.085**			**0.011**		0.893	**0.032**	4.55	**0.00125**	**0.00125**	**0.170**			**0.050**
02/08/06	6.11	0.03	10.17	69.7	0.044		0.33	17.9	46.0	27.5	0.70	**4.00**	20.0	**0.0995**			0.0210		0.890	**0.0155**	3.31	**0.00125**	**0.00125**	**0.0295**			**0.0155**
03/14/06	6.31	0.06	10.02	68.7	0.042	72.8	0.64	17.4	43.0	38.7	1.04	6.00	22.0	0.103			**0.006**		0.895	**0.0155**	3.38	**0.00125**	**0.00125**	**0.155**			**0.050**
04/04/06	6.07	0.16	11.09	76.2	0.042	148.6																					
05/20/06	5.81	3.17	8.76	65.4	0.034	-66.6	0.64	12.6	34.0	16.3	1.80	**4.75**	10.0	0.205	**0.0155**	0.1930	0.0380	**0.0155**	1.040	**0.0155**	2.85	**0.00125**	**0.00125**	**0.155**			**0.0155**
06/18/06	6.67	7.97	9.52	80.5	0.039	73.6	0.74	15.7	38.0	31.3	1.38	**1.75**	14.0	**0.0710**	**0.0445**	**0.0155**	**0.0050**	**0.05**	0.776	**0.0360**	3.63	**0.00125**	**0.00125**	**0.155**			**0.0360**
07/22/06	6.37	9.47	5.74	50.2	0.043	193.2	0.49	8.6	45.0	36.3	0.80	**2.38**	15.0	**0.0155**	**0.0155**	**0.0155**	**0.0087**	**0.0155**	0.800	**0.0500**	3.49	**0.00105**	**0.0025**	**0.155**			**0.0540**
08/17/06	6.85	8.42	9.01	76.9	0.036	199.1	0.44	15.3	35.0	45.0	1.90	**1.57**	11.0	**0.0740**	**0.0155**	**0.0740**	0.0210	**0.0155**	0.624	**0.0350**	3.33	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/13/06	6.64	6.23	9.03	73.0	0.042	228.7	0.52	16.3	42.5	25.0	1.30	**1.57**	16.0	0.107	**0.0155**	0.1060	**0.00155**	**0.05**	0.793	**0.0760**	3.97	**0.00075**	**0.00075**	**0.155**			**0.0155**
10/31/06	6.40	0.50	12.76	88.7	0.042	163.0	0.30	15.9	42.0	35.0	0.90	**3.50**	14.0	**0.0730**	**0.0155**	**0.0655**	0.0110	**0.05**	0.748	**0.0155**	3.95	**0.00075**	**0.00075**	**0.155**			**0.0155**
12/10/06	6.07	0.07	10.54	72.2	0.044	189.7	0.20	16.4	40.0	46.2	1.05	**1.57**	20.0	**0.0775**	**0.0155**	**0.0710**	0.0110	**0.0155**	0.772	**0.0155**	3.26	**0.0020**	**0.00075**	**0.155**			**0.0155**
01/15/07	5.96	0.23	8.82	60.8	0.041	192.7	0.25	16.0	42.0	36.3	**0.400**	**3.50**	18.0	**0.0950**	**0.0155**	**0.0890**	**0.0060**	**0.0155**	0.984	**0.0155**	2.99	**0.00075**	**0.00075**	**0.155**			**0.050**
02/17/07	5.35	0.02	11.72	80.5	0.042	270.3	0.30	16.6	42.0	35.0	**0.412**	**1.57**	**18.0**	**0.050**	**0.0155**	**0.0500**	**0.00155**	**0.05**	0.811	**0.0155**	2.96	**0.00075**	0.0050	**0.155**			**0.0319**
03/15/07	6.64	0.04	10.75	73.9	0.043	281.7	0.41	16.0	41.0	30.0	**0.632**	**4.00**	22.0	**0.0570**	**0.0155**	**0.0505**	0.0160	**0.05**	0.874	**0.0155**	2.77	**0.00075**	**0.00075**	**0.155**			**0.0155**
03/31/07	7.04	0.13	10.48	71.9	0.044	141.6																					
04/20/07	6.59	2.13	7.69	55.8	0.037	209.1	0.72	14.7	34.5	31.3	5.40	**1.57**	15.0	**0.050**	**0.0500**	**0.0490**	0.0200	**0.0155**	0.879	**0.0370**	2.45	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/11/07	6.65	2.60	11.36	83.7	0.037		0.53	13.2	37.0	16.3	2.90	**1.57**	13.0	**0.050**			0.0135		0.779	**0.0360**	2.77	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/16/07	6.63	13.15	9.14	87.1	0.039	173.5	0.40	16.3	39.0	46.3	0.99	**1.57**	15.0	**0.0480**			**0.0050**		0.790	**0.0670**	3.36	**0.00075**	**0.00075**	**0.155**		0.944	**0.050**
07/12/07	6.76	10.20	7.35	65.4	0.040	182.9	0.41	17.2	41.5	46.3	1.20	**1.57**	16.2	0.116			**0.0050**		0.757	**0.0460**	2.96	**0.00075**	**0.00075**	**0.155**		1.07	**0.0155**
09/15/07	6.25	5.78	8.85	70.7	0.039	177.4	0.73	15.6	39.0	41.3	1.84	**1.57**	**9.48**	**0.0780**			0.0135		0.615	**0.0155**	3.25	**0.00075**	**0.00075**	**0.155**		1.17	**0.0155**
10/13/07	6.05	1.45	9.61	68.4	0.040	148.7	0.67	16.3	41.5	28.8	0.88	**3.50**	14.1	**0.0830**			0.0117		0.694	**0.0155**	3.95	**0.00075**	**0.00075**	**0.155**		0.547	**0.0155**
11/09/07	6.39	1.04	9.63	67.8	0.039	169.1	0.77	14.8	39.0	30.0	**0.600**	**1.57**	13.5	**0.0380**			**0.0050**		0.747	**0.0310**	3.33	**0.00075**	**0.00075**	**0.155**		1.26	**0.0155**
12/08/07	5.98	0.62	9.52	66.4	0.040	223.7	0.38	16.6	40.4	36.3	1.43	**1.57**	14.0	**0.0985**			0.0122		0.684	**0.032**	3.08	**0.00075**	**0.00075**	**0.155**		**0.483**	**0.0155**
01/21/08		0.02	8.79	60.2	0.043	179.7	0.89	16.9	48.0	18.8	**0.600**	**7.00**	17.7	0.286			0.0278		0.737	**0.0155**	2.69	**0.00075**	**0.00075**	**0.155**		**0.466**	**0.0720**
02/20/08	6.25	0.01	7.22	49.5	0.044	320.7	1.75	15.9	45.3	27.5	**0.682**	**4.46**	16.6	**0.0330**			0.0133		0.748	**0.0155**	2.67	**0.0031**	**0.0025**	**0.155**		**0.250**	**0.0155**
03/12/08	6.24	0.01	9.01	61.6	0.042	256.0	0.99	14.6	59.6	37.5	1.98	**6.84**	16.9	**0.050**			0.0112		0.740	**0.0340**	2.61	**0.0025**	**0.0025**	**0.155**		**0.290**	**0.050**
03/26/08	6.97	0.06	10.81	74.1	0.049	193.2																					
04/19/08	7.50	0.89	13.01	91.3	0.043	225.0	0.27	16.3	43.6	37.5	0.60	**3.46**	16.7	**0.0155**			**0.0050**		0.739	**0.0155**	2.62	**0.0025**	**0.00075**	**0.155**		**0.075**	**0.050**
05/27/08	6.27	4.77	8.61	67.0	0.032	174.1	1.83	12.6	36.4	23.8	4.32	**1.57**	11.3	0.147			0.0196		0.641	**0.055**	2.68	**0.00075**	**0.00075**	**0.155**		1.80	**0.0155**
06/14/08	6.32	9.15	10.13	88.0	0.034	156.0	0.48	14.6	35.0	32.5	1.42	**1.57**	12.2	**0.0955**			**0.0034**		0.457	**0.035**	3.17	**0.00075**	**0.00075**	**0.155**		1.02	0.105
07/18/08	6.18	7.55	7.02	58.6	0.039	191.5	0.50	15.5	40.3	30.0	1.37	**1.57**	15.2	**0.0155**			**0.0050**		0.529	**0.032**	2.92	**0.0025**	**0.00075**	**0.155**		0.81	0.149
08/20/08	7.04	8.66	6.91	59.3	0.045	163.2	0.39	17.3	44.4	35.0	**0.20**	**1.57**	17.7	**0.050**			**0.0063**		0.450	**0.074**	3.28	**0.0025**	**0.00075**	**0.155**		0.826	**0.050**
09/16/08	6.48	7.52	8.50	71.1	0.040	179.5	1.35	16.0	44.4	27.5	1.90	**1.57**	16.1	**0.0435**			**0.0066**		0.530	**0.0155**	3.02	**0.0025**	**0.00075**	**0.155**		1.12	**0.050**
10/18/08	6.17	0.99	10.5	74.1	0.043	205.2	0.36	16.8	45.0	28.8	**0.1665**	**1.57**	15.2	**0.079**			**0.0052**		0.787	**0.047**	3.71	**0.00075**	**0.00075**	**0.155**		0.631	**0.0155**
11/18/08	6.44	0.04	9.13	62.5	0.042	164.0	0.43	17.7	48.9	37.5	**0.40**	**3.38**	17.9	0.126			**0.0050**		0.749	**0.0155**	3.25	**0.00075**	**0.00075**	**0.155**		**0.075**	**0.050**
12/06/08	6.50	0.13	10.9	75.0	0.042	227.8	0.37	15.5	42.7	25.0	2.17	**3.84**	15.4	0.146			0.0170		0.668	**0.036**	2.86	**0.00075**	**0.00075**	**0.155**		**0.237**	**0.050**
Mean	6.55	4.00	10.0	75.6	0.042	153.3	1.3	15.3	41.0	33.4	1.40	2.54	16.0	0.172	0.0213	0.0708	0.0150	0.0312	0.786	0.0310	3.26	0.0012	0.00131	0.158	NA	0.726	0.0399
Median	6.50	2.00	10.0	73.0	0.042	179.5	0.60	15.7	42.0	33.8	1.05	1.57	15.4	0.078	0.0155	0.0655	0.0122	0.0155	0.776	0.0310	3.25	0.0013	0.00075	0.155	NA	0.721	0.0155
St. Deviation	0.45	4.00	1.80	14.6	0.005	103.1	2.3	2.00	5.00	7.60	1.10	1.47	3.00	0.461	0.0129	0.0490	0.0120	0.018	0.145	0.0180	0.54	0.0006	0.00092	0.065	NA	0.469	0.0528
# of values	49	50	47	43	49	47	45	47	47	47	47	47	49	45	11	11	47	11	47	47	47	47	47	47	0	18	47
Minimum	5.35	-0.18	5.74	49.5	0.03	-145.4	0.20	8.56	27.0	16.3	0.075	0.785	9.48	0.0155	0.0155	0.0155	0.00155	0.0155	0.450	0.0155	1.90	0.00075	0.00075	0.0295	NA	0.075	0.0155
Maximum	7.50	13.15	14.18	108.4	0.051	320.7	14.1	18.0	59.6	46.3	5.40	7.00	28.0	3.08	0.0500	0.193	0.0625	0.0500	1.13	0.078	4.55	0.0031	0.005	0.400	NA	1.80	0.343
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	53%	0%	33%	91%	27%	30%	100%	0%	49%	0%	96%	89%	79%		17%	81%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	8	21	2	19	1	6	12	0	0	24	0	2	4	10		4	6
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.96
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	47%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100A																														
Sample Date																														
04/28/04	32.1	**12.5**	**0.0385**		**0.302**	**0.331**	1.82	1.71	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0588**	3970	3860	**0.185**	**0.168**	**0.0363**		1.73	1.06	96.5	60.0	0.598	0.417	813	779
05/18/04	66.0	28.8	2.190	**0.0385**	**0.125**	**0.125**	2.36	1.00	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3200	3020	0.281	**0.050**	**0.0684**		0.869	0.568	151	60.7	**0.100**	**0.050**	630	605
06/05/04																														
06/15/04	**12.5**	**12.5**	**0.0385**		**0.125**	**0.125**	1.85	1.88	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4360	4400	**0.0500**	**0.145**	**0.0155**		0.513	0.440	38.5	22.7	**0.050**	**0.050**	770	789
07/14/04	55.2	**12.5**	**0.0385**	**0.0385**	**0.302**	**0.339**	2.26	1.98	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4780	4460	**0.100**	**0.050**	**0.0155**		0.966	0.521	35.1	**10.0**	**0.050**	**0.050**	905	879
08/14/04																														
08/24/04	**12.5**	**12.5**	**0.0385**	**0.100**	**0.373**	**0.263**	2.02	1.86	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4320	4690	**0.154**	**0.155**	**0.0155**		0.733	0.274	22.3	**10.0**	**0.050**	**0.050**	874	970
09/14/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.375**	**0.298**	1.84	1.73	**0.0075**	**0.0075**	**0.750**	**0.750**	**6.80**	**3.50**	**0.0155**	**0.0155**	4320	4320	0.300	0.316	**0.0155**		0.361	0.245	22.5	**7.59**	**0.050**	**0.050**	941	939
10/17/04	28.2	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.84	1.76	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3930	3930	**0.100**	**0.100**	**0.0155**		0.505	0.408	51.1	24.8	**0.131**	**0.050**	802	806
01/28/05	14.7	3.42	0.0184	0.0246	**0.125**	**0.125**	1.66	1.52	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**3.40**	**0.00775**	**0.00775**	4660	4530	0.412	0.413	0.0100	**0.00420**	0.227		20.7	**3.10**	**0.0155**	**0.0155**	986	928
03/19/05	1.91		0.0250	0.0217	0.387	0.335	1.48	1.74	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.85	1.59	0.0441	**0.003095**	4840	5330	**0.0762**	**0.112**	**0.00476**	**0.0169**	0.242	0.156	**4.00**		**0.035**	**0.035**	1020	1070
05/06/05	211	24.0	0.0263	**0.0132**	0.424	0.189	4.15	2.11	**0.00815**	**0.001495**	**0.003835**	**0.003835**	1.80		**0.0121**	**0.0100**	3240	2700	**0.0920**	**0.03565**	0.114	0.0367	0.740	0.446	365	94.6	0.108	0.164	742	662
06/02/05	30.2	7.34	0.0280	0.034	**0.125**	**0.125**	1.70	1.90	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4140	4280	**0.0310**		0.0290	0.0268	0.536		83.0	47.2	**0.050**		832	832
07/09/05	10.0	3.69	**0.00155**		**0.125**	**0.326**	1.92	1.93	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	5290	5190	0.404	0.238	**0.00155**	**0.00155**	0.262	0.270	47.3	25.4	**0.0155**	**0.050**	1160	1110
08/17/05	14.2	3.76	0.0324	0.0158	**0.263**	**0.415**	1.96	1.83	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	5070	4880	0.328	0.510	0.0280	0.0286	0.269	0.253	47.0	**10.0**	**0.050**		1170	1160
09/16/05	85.0	39.6	0.0214		**0.125**	**0.125**	2.47	2.35	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4380	4670	**0.0310**	**0.116**	0.0736	0.0496	1.00	0.968	181	81.6	**0.050**		796	850
10/29/05	17.8	5.06	0.0514		**0.125**	**0.291**	1.91	1.93	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5130	4910	0.445	0.236	0.0358	0.0362	0.419	0.425	92.9	26.8	**0.0772**		963	991
02/08/06	15.5	3.38	**0.0424**	**0.0422**	**0.155**	**0.155**	1.67	1.66	**0.012**	**0.012**	**0.0075**	**0.0494**	**0.750**	**2.19**	**0.0125**	**0.0125**	5290	5350	0.419	0.280	0.0270	0.0290	0.241		23.6	**10.0**	5.01	0.131	1150	1200
03/14/06	11.5	2.60	**0.0250**	**0.025**	**0.155**	0.530	1.45	1.50	**0.012**	**0.012**	0.0730	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	4990	4970	**0.100**		0.0266	0.0200	0.173	0.182	24.5	**9.63**	**0.025**		1200	1120
04/04/06																														
05/20/06	97.8	12.0	**0.0250**	**0.0250**	**0.155**	**0.155**	2.27	1.97	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	3730	3530	0.303	0.290	0.0826	0.0420	0.859	0.521	201	62.8	2.95	0.286	804	774
06/18/06	21.0	7.59	**0.0204**	**0.0304**	**0.155**	**0.155**	2.02	2.28	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**2.02**	**0.0125**	**0.0125**	4790	4350	0.820	**0.0500**	0.0424	0.0406	1.66		76.6	40.5	**0.0250**		917	845
07/22/06	15.2	**2.00**	**0.0432**	**0.0504**	**0.310**	**0.310**	2.14	2.20	**0.125**	**0.0120**	**0.050**	**0.0500**	**2.50**	**2.50**	**0.0370**	**0.0370**	5100	5670	0.408	0.597	0.0452	**0.0200**	0.427	0.356	53.2	**20.0**	**0.100**		1060	1130
08/17/06	33.7	17.5	**0.0075**	**0.0170**	**0.378**	**0.155**	2.55	2.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4650	4500	0.354	0.331	0.0514	0.0408	0.735		116	65.5	0.140	0.167	899	868
09/13/06	11.8	4.26	**0.0210**	**0.0250**	**0.155**	**0.155**	2.10	2.09	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5020	4990	**0.0500**	**0.100**	0.0272	0.0260	0.415	0.488	86.7	50.4	**0.050**		921	957
10/31/06	17.9	4.50	**0.0075**	**0.0075**	**0.155**	**0.155**	2.16	2.52	**0.0125**	**0.0125**	**0.0154**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4820	5180	**0.0500**	**0.0500**	0.0290	0.0200	0.504	0.351	85.6	25.3	**0.050**		936	1030
12/10/06	23.8	2.62	**0.0208**	**0.0075**	**0.155**	**0.155**	1.78	1.69	**0.0125**	**0.0125**	**0.0176**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4850	4830	**0.0500**	**0.0500**	0.0276	**0.0168**	0.381	0.175	44.0	**7.98**	**0.050**	**0.050**	1030	1030
01/15/07	8.64	2.59	**0.0250**	0.0548	**0.155**	**0.364**	1.54		**0.0456**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4680	5690	0.411	**0.0500**	0.0138	**0.0050**	0.202	0.267	**11.9**	**3.10**	**0.0155**		1050	1200
02/17/07	5.30	2.93	**0.0250**	**0.0250**	**0.155**	**0.155**	1.50		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4950	5360	0.219		0.0202	0.0272	0.809	0.199	**10.0**	**10.0**	**0.0155**	**0.050**	1030	1100
03/15/07	5.76	2.38	**0.0250**	**0.0250**	**0.250**	0.548	1.35		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0216**	4760	5030	**0.0500**	**0.0500**	**0.0100**		0.244		**10.0**	**3.10**	**0.050**	0.114	989	1020
03/31/07																														
04/20/07	95.9	11.9	**0.0234**	**0.0352**	**0.405**	**0.155**	2.03	1.82	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4360	4370	0.505	0.389	0.0572	0.0494	0.435		127	31.8	0.139	**0.0686**	915	926
05/11/07	52.4	10.0	**0.0236**	**0.0308**	**0.155**	**0.155**	2.03	1.90	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4010	4220	0.291	0.479	0.0394	0.0468	0.548		126	56.5	**0.050**	**0.050**	768	825
06/16/07	13.1	8.17	**0.0250**	**0.0250**	**0.155**	**0.155**	1.84	1.71	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4890	4780	0.392	0.283	0.0200	**0.0174**	1.15	0.270	59.2	26.1	**0.050**	**0.050**	986	957
07/12/07	13.4	3.47	**0.0250**	**0.0250**	**0.342**	**0.155**	2.04	2.01	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5180	4880	0.341	0.262	0.0252	0.0222	0.223	0.313	48.5	22.5	**0.050**	**0.0155**	1030	993
09/15/07	44.5	11.8	**0.0216**	**0.0274**	**0.313**	**0.155**	2.29	2.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4890	5120	0.324	0.368	0.0446	0.0304	0.680	0.588	126	50.4	**0.050**	**0.050**	828	864
10/13/07	26.1	7.06	**0.0190**	**0.0306**	**0.155**	**0.155**	2.26		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5030	5570	0.437	0.536	0.0362	0.0276	0.524	0.447	89.6	48.3	**0.050**	**0.0155**	917	1030
11/09/07	36.7	10.1	**0.0212**	**0.0272**	**0.155**	**0.155**	1.93	2.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4560	4880	0.230	0.216	0.0306	0.0206	0.399		94.6	41.9	**0.0155**	**0.050**	840	917
12/08/07	40.2	4.75	**0.0172**	**0.0228**	**0.358**	**0.155**	14.5	2.70	**0.0125**	**0.0125**	**0.024**	**0.0075**	**1.25**	**1.25**	**0.0190**	**0.0075**	5050	5210	0.235	0.242	0.152	0.0388	0.469	0.322	86.5	28.0	**0.050**	**0.050**	978	1020
01/21/08	14.4	2.70	**0.0254**	**0.0230**	**0.155**	**0.155**	1.79	1.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5030	4890	0.218	0.299	**0.0146**	**0.0128**	0.280		31.2	**13.2**	**0.050**	**0.050**	1070	1030
02/20/08	15.3	2.71	**0.0250**	**0.0250**	**0.379**	**0.357**	1.44	1.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4830	4990	**0.100**	**0.0500**	**0.0100**	**0.0100**	0.188		34.4	**16.5**	**0.050**	**0.050**	933	965
03/12/08	20.7	**1.00**	**0.0196**	**0.0230**	**0.155**	**0.155**	1.30	1.27	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4360	4360	**0.0500**	**0.111**	**0.0188**	**0.0122**	0.155		40.3	**16.0**	**0.0155**	**0.0155**	890	905
03/26/08																														
04/19/08	12.5	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.43	1.39	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4790	4900	0.284	0.281	**0.0137**	**0.0050**	0.470	0.149	31.5	**18.9**	**0.0155**	**0.0155**	1040	1050
05/27/08	104	17.0	**0.0075**	**0.0075**	**0.155**	**0.155**	2.50	1.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3780	3870	0.295	**0.100**	0.0695	0.0230	0.931	0.781	215	73.4	**0.050**	**0.0155**	760	758
06/14/08	28.5	8.67	**0.0075**	**0.0075**	**0.155**	**0.155**	2.06	1.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4460	4120	0.217	0.357	0.0284	0.0231	1.46	0.817	87.0	43.2	**0.050**	**0.0155**	832	774
07/18/08	15.4	5.16	**0.0075**	**0.0075**	**0.155**	**0.155**	1.90	2.15	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4720	4930	**0.100**	0.208	0.0206	**0.0168**	0.442	0.519	76.3	33.3	**0.0155**		901	979
08/20/08	9.12	3.96	**0.0211**	**0.0168**	**0.155**	**0.155**	1.97		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0319**	**0.0075**	5190	5480	**0.100**	0.260	**0.0190**	**0.0159**	0.243	0.263	41.2	25.3	**0.0155**	**0.0155**	1060	1090
09/16/08	28.8	6.71	**0.0217**	**0.0236**	**0.155**	**0.155**	2.05	2.45	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4870	5200	**0.100**	**0.100**	0.0359	0.0262	0.633	0.598	98.1	30.3	**0.0155**	**0.0155**	926	994
10/18/08	28.2	4.24	**0.0219**	**0.0205**	**0.155**	**0.155**	2.07	1.91	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5110	4820	0.238	**0.187**	0.0327	0.0200	0.460	0.441	82.0	25.0	**0.0403**	**0.0155**	976	951
11/18/08	8.65	3.22	**0.0075**	**0.0075**	**0.155**	**0.155**	1.84	2.13	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5250	5450	0.301	0.291	**0.0173**	**0.0180**	0.453	0.377	32.6	**18.3**	**0.0155**	**0.0319**	1110	1170
12/06/08	39.1	2.65	**0.0075**	**0.0075**	**0.342**	**0.155**	1.70	1.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4600	4470	**0.0500**	**0.188**	0.0314	**0.0121**	0.262	0.259	68.5	**14.4**	**0.0352**	**0.0155**	966	967
Mean	32.3	8.29	0.0696	0.026	0.214	0.209	2.23	1.91	0.0138	0.0106	0.1202	0.1190	1.53	1.69	0.01235	0.0119	4640	4700	0.235	0.220	0.0340	0.0240	0.562	0.420	76.5	31.0	0.228	0.0663	939	953
Median	17.9	5.11	0.0236	0.025	0.155	0.155	1.93	1.90	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0078	4790	4880	0.230	0.212	0.0276	0.0222	0.460	0.377	59.2	25.3	0.050	0.0500	933	965
St. Deviation	36.5	7.61	0.3162	0.017	0.099	0.106	1.88	0.340	0.0175	0.0029	0.2666	0.2670	0.990	1.02	0.00792	0.0091	500.0	640.0	0.165	0.147	0.0280	0.0125	0.372	0.221	65.4	22.4	0.832	0.0815	124	137
# of values	47	46	47	42	47	47	47	42	47	47	47	47	47	46	47	47	47	47	47	44	47	39	47	35	47	46	47	36	47	47
Minimum	1.91	1.00	0.00155	0.0075	0.125	0.125	1.30	1.00	0.001495	0.001495	0.00155	0.00155	0.750	0.750	0.0075	0.003095	3200	2700	0.0310	0.03565	0.00155	0.00155	0.155	0.149	4.00	3.10	0.0155	0.0155	630	605
Maximum	211	39.6	2.19	0.100	0.424	0.548	14.5	2.70	0.125	0.0125	0.750	0.750	6.80	5.00	0.0441	0.0588	5290	5690	0.820	0.597	0.152	0.0496	1.73	1.06	365	94.6	5.01	0.417	1200	1200
% of values undetected	6%	20%	49%	50%	70%	72%	0%	0%	96%	100%	91%	98%	94%	89%	91%	96%	0%	0%	32%	30%	19%	13%	0%	0%	6%	20%	79%	78%	0%	0%
# of values between MDL and PQL	0	0	16	16	12	9	0	0	2	0	3	1	1	4	3	2	0	0	5	8	7	10	0	0	1	9	4	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.055	0.055	NA	NA	10.98	10.56276	NA	NA	1.475	1.416	1000	1000	0.204	0.225	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	6%	6%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100A																									
Sample Date																									
04/28/04	4.88	3.84	0.0014		**0.155**	**0.328**	0.378	0.403	302	303	**0.321**	**0.155**	4130	**0.00310**	**0.00310**	1910	1830	**0.0125**	**0.0291**	**0.155**	**0.155**	**0.125**	**0.125**	3.85	3.71
05/18/04	6.01	4.30	0.0013		**0.155**	**0.326**	**0.100**	0.268	231	204	**0.155**	**0.155**	2950	**0.00310**	**0.00310**	1490	1520	**0.0125**	**0.0125**	2.63	**0.155**	**0.200**	0.417	2.71	2.18
06/05/04																									
06/15/04	3.14		**0.0009**		**0.155**	**0.155**	**0.100**	0.306	238	243	**0.155**	**0.155**	3620	**0.00310**	**0.00310**	1770	1850	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.301**	**0.125**	**0.750**	**0.750**
07/14/04	3.89	3.74	**0.0005**		**0.155**	**0.155**	0.218		321	296	**0.155**	**0.155**	4750	**0.0031**	**0.0031**	2170	2110	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.313**	**0.293**	**0.750**	**0.750**
08/14/04																									
08/24/04	2.88		**0.0005**		**0.155**	**0.155**	**0.0884**		300	318	**0.155**	**0.155**	5220	**0.0031**	**0.0031**	1960	2130	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.270**	**0.125**	**0.750**	1.67
09/14/04	2.52	2.69	**0.0005**		**0.155**	**0.155**	**0.100**	0.359	304	304	**0.155**	**0.155**	5360	**0.0031**	**0.0031**	1970	1980	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.70	2.11
10/17/04	3.62	3.82	**0.0005**		**0.155**	**0.155**	**0.151**		234	234	**0.155**	**0.155**	4460	**0.0031**	**0.0031**	1740	1770	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.80	1.88
01/28/05	1.76	1.06	**0.0005**		0.275	0.256	0.143	0.185	271	268	**0.0775**	**0.0775**	5370	**0.0031**	**0.0031**	2050	2090	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.249**	**0.100**	**0.75**	1.95
03/19/05	1.36		**0.000147**		0.217	0.272	0.109	**0.0450**	299	281	**0.0579**	**0.0781**	5280	**0.001435**	**0.001435**	1900	2070	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.334	0.312	1.61	**0.2345**
05/06/05	24.5	5.81	**0.0025**		0.198	0.126	0.178		398	387	**0.0591**	**0.0468**	3460	**0.00338**	**0.001435**	1540	1300	**0.002125**	**0.002125**	**0.0687**	**0.0302**	0.794	0.246	1.52	2.32
06/02/05	5.06	3.79	**0.000450**		0.311	0.306	0.220		234	261	**0.0775**	**0.0775**	3670	**0.0031**	**0.0031**	1890	1900	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	**0.100**	**0.750**	1.56
07/09/05	4.07	3.05	**0.000450**		0.247	0.234	0.135		307	298	**0.0775**	**0.0775**	3790	**0.0031**	**0.0031**	2420	2270	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.327**	**0.280**	2.56	
08/17/05	4.28	3.13	**0.00117**		0.270	0.238	0.230		392	381	**0.0775**	**0.0775**	4560	**0.0031**	**0.0031**	2350	2390	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.384**	0.411	2.92	2.29
09/16/05	8.96	4.52	**0.0025**		0.302	0.355	0.252		374	406	**0.0775**	**0.0775**	4450	**0.0031**	**0.0031**	1890	2120	**0.0031**	**0.0031**	**0.031**	**0.031**	0.403	**0.100**	3.03	3.59
10/29/05	6.93	5.00	**0.000450**		0.165		0.153		282	273	**0.0775**	**0.157**	5410	**0.0031**	**0.0031**	1960	2090	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	**0.211**	2.47	2.01
02/08/06	1.60	0.827	**0.000475**		0.260		0.271	0.330	344	342	**0.155**	**0.155**	6340	**0.0031**	**0.0031**	2300	2550	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	6.51	5.67
03/14/06	1.23	0.693	**0.000475**		0.252	0.227	0.231		338	328	**0.155**	**0.155**	5640	**0.0031**	**0.0031**	2370	2290	0.0112	**0.0025**	**0.0155**	**0.0155**	**0.110**	0.591	1.57	
04/04/06																									
05/20/06	10.7	4.83	**0.00250**		0.223	0.183	0.205		405	376	**0.155**	**0.155**	1740	**0.0031**	**0.0031**	1890	1710	**0.0025**	**0.0025**	**0.0346**	**0.0155**	0.702	0.508	3.67	2.09
06/18/06	4.43	2.87	**0.000475**		0.299	0.308	**0.195**		275	248	**0.155**	**0.155**	3800	**0.0031**	**0.0031**	1910	1850	**0.0025**	**0.0025**	**0.0155**		**0.250**	**0.110**	2.78	2.04
07/22/06	3.77	2.82	**0.000475**		0.278	0.364	**0.200**	0.614	302	339	**0.310**	**0.310**	4550	**0.0310**	**0.0031**	2180	2360	**0.0100**	**0.0100**	**0.100**	**0.100**	**0.500**	**0.500**	3.24	
08/17/06	8.01	4.73	**0.00250**		0.305	0.289	**0.100**		241	231	**0.155**	**0.155**	4310	**0.0031**	**0.0031**	1980	1970	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.85	1.84
09/13/06	5.32	3.97	**0.000475**		0.270	0.263	**0.161**		271	278	**0.155**	**0.155**	3890	**0.0031**	**0.0031**	1920	2000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.40	1.44
10/31/06	6.47	4.33	**0.000475**		0.262	0.270	**0.100**	**0.100**	243	266	**0.155**	**0.155**	4750	**0.0031**	**0.0031**	1920	2080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.568**	**0.500**	
12/10/06	2.95	1.23	**0.000475**		0.260	0.256	0.206	**0.187**	300	297	**0.155**	**0.155**	5270	**0.0031**	**0.0031**	2030	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.67	2.25
01/15/07	1.21	0.726	**0.000353**		0.231	0.177	**0.100**	**0.100**	266		**0.155**	**0.155**	5150	**0.0031**	**0.0031**	1990	2250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.04	
02/17/07	1.24	1.02	**0.000169**		0.251		**0.100**	0.207	299	322	**0.155**	**0.155**	5570	**0.0031**	**0.0031**	1960	2160	**0.0050**	**0.0124**	**0.050**	**0.050**	**0.456**	**0.155**	1.19	
03/15/07	0.746		**0.000169**		0.249	0.263	**0.100**		276	297	**0.155**	**0.155**	5140	**0.0031**	**0.0031**	1940	2080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.500**	1.36	
03/31/07																									
04/20/07	9.60	5.66	**0.00250**		0.260	0.250	**0.100**		381	374	**0.155**	**0.155**	4280	**0.0031**	**0.0031**	1870	1900	**0.0140**	**0.0050**	**0.050**	**0.050**	**0.369**	**0.155**	1.71	
05/11/07	6.16	3.64	**0.000169**		0.298	0.332	**0.100**		288	299	**0.155**	**0.155**	3580	**0.0031**	**0.0031**	1580	1710	**0.0156**	**0.0050**	**0.050**	**0.050**	**0.354**	**0.155**	**0.500**	
06/16/07	2.85	2.00	**0.000169**		0.338	0.341	**0.100**	**0.100**	297	285	**0.155**	**0.155**	4420	**0.0031**	**0.0031**	2060	2000	**0.0156**	**0.0050**	**0.050**	**0.050**	**0.348**	**0.155**	**0.500**	
07/12/07	2.99	2.02	**0.00250**		0.308	0.294	**0.100**	0.281	284	288	**0.155**	**0.155**	3890	**0.0076**	**0.0031**	2140	1990	**0.0050**	**0.0112**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.21
09/15/07	7.59	4.03	**0.000169**		0.325	0.341	**0.100**	0.215	261	281	**0.155**	**0.155**	4540	**0.0031**	**0.0031**	1880	1930	**0.0126**	**0.0050**	**0.050**	**0.050**	**0.379**	**0.155**	2.15	2.85
10/13/07	6.08	4.21	**0.000583**		0.307	0.346	**0.100**	0.217	243	281	**0.155**	**0.155**	5230	**0.0031**	**0.0031**	1850	2010	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.58	2.10
11/09/07	4.68	3.01	**0.00250**		0.274	0.285	**0.100**	0.293	237	267	**0.155**	**0.155**	5010	**0.0031**	**0.0031**	1800	1920	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
12/08/07	5.05	2.42	**0.000613**		0.293	0.294	0.232	0.353	266	297	**0.155**	**0.155**	5050	**0.0031**	**0.0031**	2040	2060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.349**	**0.155**	3.47	1.25
01/21/08	1.97	1.17	**0.00075**		0.241	0.243	**0.100**	0.315	302	303	**0.155**	**0.155**	5530	**0.0031**	**0.0031**	2060	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.35	1.30
02/20/08	1.54	1.06	**0.00075**		0.240	0.243	**0.100**		287	306	**0.155**	**0.155**	5570	**0.0031**	**0.0031**	1930	2060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.53
03/12/08	2.01	0.791	**0.00075**		0.237	0.237	**0.100**	0.335	256	265	**0.155**	**0.155**	4900	**0.0031**	**0.0031**	1780	1800	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
03/26/08																									
04/19/08	1.38	0.801	**0.00075**		0.187	0.186	**0.100**	**0.100**	287	292	**0.155**	**0.155**	5610	**0.0031**	**0.0031**	2110	2130	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
05/27/08	12.7	4.17	**0.00075**		0.0964	0.0795	**0.100**	0.229	308	318	**0.155**	**0.155**	3900	**0.0031**	**0.0031**	1590	1620	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.534**	**0.155**	1.41	1.41
06/14/08	5.27	3.32	**0.00075**		0.332	0.317	**0.100**		261	244	**0.155**	**0.155**	3860	**0.0031**	**0.0031**	1890	1760	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.314**	**0.155**	1.20	1.43
07/18/08	4.85	3.60	**0.00075**		0.253	0.263	**0.100**	0.25	243	255	**0.155**	**0.155**	4400	**0.0031**	**0.0031**	1940	2060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.11	1.50
08/20/08	4.10	3.15	**0.00075**		0.295	0.265	**0.100**	**0.100**	297	315	**0.155**	**0.155**	4760	**0.0031**	**0.0031**	2150	2200	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.04	
09/16/08	7.06	3.75	**0.00075**		0.307	0.320	**0.100**	**0.100**	266	296	**0.155**	**0.155**	4440	**0.0031**	**0.0031**	2010	2070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.16	
10/18/08	5.70	3.24	**0.00075**		0.277	0.260	0.211	0.247	269	257	**0.155**	**0.155**	4640	**0.0031**	**0.0031**	2040	1960	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.42	1.71
11/18/08	2.37	1.80	**0.00075**		0.195	0.201	0.247		309	338	**0.155**	**0.155**	5980	**0.0031**	**0.0031**	2220	2310	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
12/06/08	4.61	1.78	**0.00075**		0.236	0.209	**0.154**	**0.155**	282	285	**0.155**	**0.155**	4940	**0.0031**	**0.0031**	1890	1880	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.18
Mean	4.90	2.99	0.00087	NA	0.245	0.253	0.150	0.237	291	296	0.148	0.146	4620	0.0038	0.0030	1960	2000	0.0066	0.0063	0.114	0.061	0.272	0.216	1.68	1.84
Median	4.28	3.15	0.00061	NA	0.253	0.262	0.100	0.229	287	296	0.155	0.155	4640	0.0031	0.0031	1940	2020	0.0050	0.0050	0.050	0.050	0.250	0.155	1.40	1.71
St. Deviation	3.95	1.45	0.00074	NA	0.0580	0.0680	0.070	0.124	44.0	43.0	0.0480	0.0380	850.0	0.0041	0.0003	200.0	230.0	0.0040	0.0047	0.377	0.042	0.153	0.132	1.21	1.03
# of values	47	43	47	0	47	44	47	27	47	46	47	47	47	47	47	47	47	47	47	47	46	47	47	47	33
Minimum	0.746	0.693	0.000147	NA	0.0964	0.0795	0.0884	0.045	231	204	0.0579	0.0468	1740	0.001435	0.001435	1490	1300	0.002125	0.002125	0.0155	0.0155	0.110	0.100	0.500	0.2345
Maximum	24.5	5.81	0.0025	NA	0.338	0.364	0.378	0.614	405	406	0.321	0.31	6340	0.031	0.0031	2420	2550	0.0156	0.0291	2.63	0.155	0.794	0.591	6.51	5.67
% of values undetected	0%	0%	85%		15%	11%	53%	26%	0%	0%	94%	94%	0%	96%	100%	0%	0%	89%	94%	94%	100%	62%	79%	32%	15%
# of values between MDL and PQL	0	0	5		0	2	5	2	0	0	3	3	0	2	0	0	0	4	3	2	0	14	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	8.40	8.38	NA	NA	5	4.6	NA	0.0990925	0.084	NA	NA	NA	NA	NA	NA	NA	NA	19.24	18.97
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100B																											
Sample Date																											
04/28/04	6.57	2.72	12.32		0.046	114.0		17.7	48.0	55.0	1.1	**1.57**	16	0.113			**0.0155**		0.895	**0.0450**	5.17	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/18/04								10.3	32.0	40.0	2.87	**1.57**	**9.50**	0.103			**0.0155**		0.700	**0.0155**	3.71	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/21/04	6.83	7.43	11.74		0.042	157.0																					
06/04/04													13.5														
06/15/04	7.43	8.85	11.92		0.050	247.0		14.9	50.0	27.5	1.95	**1.57**	16.0				**0.0155**		0.756	**0.0340**	5.39	**0.00125**	**0.00125**	**0.065**			**0.0155**
07/14/04	6.95	11.68	12.08		0.054	-40.0	2.5	17.0	47.0	**1.55**	0.90	**1.57**	35.5	**0.310**			**0.0155**		0.814	**0.049**	5.61	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/15/04													15.5														
08/23/04	7.42	9.73	14.34	127.8	0.057	203.0	1.2	17.9	60.0	40.0	1.44	**1.57**	17.5	**0.155**			**0.0155**		0.779	**0.092**	5.55	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/13/04	7.09	3.98		136.9	0.059	191.0	1.9	18.8	60.0	48.8	1.00	**1.57**	20.0	**0.155**			**0.0155**		0.844	**0.046**	5.69	**0.00125**	**0.0027**	**0.240**			**0.0155**
10/15/04	5.90	5.00	13.0		0.050		23.0	16.0	44.0	12.5	0.70	**1.57**	14.0	**0.155**			**0.0155**		1.120	**0.0155**	5.46	0.0050	**0.0025**	**0.0295**			**0.0155**
01/28/05	7.01	0.19	12.66		0.054	73.0	8.3	17.8	50.0	15.0	**0.075**	**0.785**	20.0	0.160			0.0429		0.813	**0.0155**	5.46	**0.00125**	**0.00125**	**0.066**			**0.0155**
03/18/05	7.30	0.10	14.95	103.2		0.2	1.6	19.5	55.0	30.0	1.00	**3.25**	17.0	1.580			0.0250		0.845	**0.0155**	6.78	**0.00125**	**0.00125**	**0.560**			**0.0155**
03/21/05	7.50	0.01	13.03	90.1	0.055	78.0	4.6																				
05/04/05	5.96	3.12	12.65	94.1	0.034	172.2	1.11	12.1	31.5	**7.50**	3.60	**3.0**	10.5	0.230			0.0535		0.726	**0.0155**	3.38	**0.00125**	**0.00125**	**0.320**			**0.0155**
06/03/05	7.23	9.53	11.14	98.5	0.046	5.0	4.4	15.1	55.0	28.8	0.80	**1.63**	15.0	**0.080**			0.0245		0.707	**0.0155**	4.94	**0.00125**	**0.00125**	**0.099**			**0.050**
07/08/05	6.57	16.74	11.77	121.5	0.050	157.0	0.65	20.0	60.0	43.8	1.12	**0.785**	15.5	**0.0155**			**0.013**		0.656	**0.0155**	4.76	**0.00125**	**0.00125**	**0.230**			**0.0155**
07/09/05																											
08/17/05		9.02	12.07	104.4	0.049	-191.9	1.0	19.5	46.0	40.0	1.30	**1.63**	17.0	**0.0155**			**0.0085**		0.724	**0.0155**	4.79	**0.00125**	0.0059	**0.710**			**0.036**
09/14/05	6.46	9.12	11.5	99.9	0.039	145.9	0.49	14.6	41.0	30.0	1.60	**2.75**	12.5	0.122			**0.0057**		1.120	**0.0155**	5.92	**0.00125**	**0.0044**	**0.310**			**0.040**
10/29/05	6.05	1.37	13.75	97.8	0.046	174.3	0.43	17.3	46.0	31.3	0.90	**3.13**	15.0	0.121			**0.0099**		0.793	**0.032**	5.77	**0.0025**	**0.0025**	**0.140**			**0.050**
02/08/06	6.50	0.04	10.51	72.0	0.052	23.5	0.26	21.5	60.0	28.7	**0.0835**	**1.57**	22.0	0.142			**0.0092**		0.774	**0.0155**	5.93	**0.0025**	**0.0025**	**0.0295**			**0.0155**
03/13/06	7.32	0.01	9.68	66.2	0.052	-143.5	0.15	20.2	55.0	43.7	**0.30**	**3.25**	20.0	**0.0975**			**0.0040**		0.753	**0.0155**	5.54	**0.00125**	**0.00125**	**0.155**			**0.0155**
05/20/06	5.04	2.15	10.77	78.1	0.033	199.0	0.84																				
05/21/06								12.7	32.0	21.2	1.40	5.00	10.0	0.682	**0.0155**	0.682	0.0156	**0.0155**	1.020	**0.0155**	3.11	**0.0025**	**0.0025**	**0.155**			**0.0650**
06/18/06	6.00	7.72	9.89	83.2	0.039	140.0	0.41	16.7	39.5		0.80			0.143	**0.0740**	**0.0690**	**0.0050**	**0.05**	0.771	**0.0380**	4.46	**0.0025**	**0.0025**	**0.155**			**0.0950**
07/22/06	6.64	6.76	6.71	54.9	0.045	131.5	0.26	19.4	48.0	41.3	**0.300**	**2.10**	16.0	0.103	**0.0155**	0.102	**0.0046**	**0.0155**	0.764	**0.0370**	4.92	**0.00105**	**0.0025**	**0.155**			**0.0670**
08/17/06	6.51	8.53	10.05	86.2	0.038	164.8	0.52	15.7	37.0	40.0	1.30	**1.57**	13.0	0.217	**0.0155**	0.217	0.0140	**0.0155**	0.589	**0.0330**	4.20	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/13/06	6.6	5.69	9.97	79.7	0.042	138.0	0.44	17.5	44.0	25.0	**0.800**	**1.57**	15.0	0.104	**0.0155**	0.103	**0.00155**	**0.05**	0.791	**0.0840**	5.04	**0.00075**	**0.00075**	**0.155**			**0.0155**
10/31/06	6.53	0.54	12.74	88.7	0.046	200.7	0.47	17.2	47.0	25.0	0.80	**1.57**	15.0	0.141	**0.0155**	0.134	0.0140	**0.05**	0.752	**0.0155**	5.34	**0.00075**	**0.00075**	**0.155**			**0.050**
12/10/06	7.57	0.68	9.50	66.5	0.049		0.23	17.4	44.0	56.7	0.50	**3.14**	20.0	0.129	**0.0155**	0.121	**0.0040**	**0.0155**	0.675	**0.0155**	4.96	**0.0025**	**0.0025**	**0.155**			**0.0155**
01/15/07	6.01	0.02	9.30	63.6	0.056	226.3	0.37	19.0	47.0	50.0	1.32	**1.57**	14.0	0.144	**0.0155**	0.141	**0.00155**	**0.05**	0.723	**0.0155**	5.10	**0.00075**	**0.00075**	**0.155**			**0.050**
02/17/07	5.96	0.37	11.1	76.9	0.048	145.8	0.17	18.9	46.0	33.8	**0.406**	**1.57**	**16.0**	0.163	**0.0155**	0.146	**0.00155**	**0.0155**	0.737	**0.0155**	4.74	**0.0025**	**0.0035**	**0.155**			**0.0155**
03/15/07	6.63	0.09	12.13	83.4	0.052	190.2	0.17	19.6	50.0	33.8	**0.412**	**3.50**	22.0	0.112	**0.0155**	0.106	**0.0050**	**0.05**	0.695	**0.0155**	5.22	**0.00075**	**0.00075**	**0.155**			**0.0155**
04/20/07	6.76	3.56	8.28	62.1	0.039	192.7	0.24	19.4	34.5	50.0	1.30	**1.57**	14.0	0.183	**0.0500**	0.167	**0.0050**	**0.0155**	1.450	**0.0500**	8.08	**0.00075**	**0.00075**	**0.155**			**0.0319**
05/11/07	7.02	2.36	12.37	90.7	0.039	169.3	1.29	13.9	37.0	31.3	2.40	**1.57**	12.5	0.198			0.0172		0.736	**0.0350**	3.58	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/17/07	6.74	5.93	9.99	80.2	0.043	113.1	0.28	17.4	43.0	40.0	0.51	**1.57**	22.0	**0.0725**			**0.0050**		0.731	**0.0640**	4.59	**0.00075**	**0.00075**	**0.155**		0.804	**0.0155**
07/12/07	7.07	10.79	8.26	74.6	0.046	149.6	0.41	19.5	46.0	47.5	**0.412**	**1.57**	16.3	0.164			**0.0050**		0.714	**0.0410**	4.53	**0.00075**	**0.00075**	**0.155**		0.936	**0.0155**
08/15/07	8.07	7.16	8.79	72.6	0.047	47.7	0.20	16.7	46.5	30.0	0.68	**1.57**	16.5	**0.0650**			**0.0036**		0.577	**0.0155**	4.16	**0.00075**	**0.00075**	**0.155**		1.03	**0.0155**
09/15/07	6.37	5.87	9.30	74.5	0.041	152.8	0.59	16.8	40.0	35.0	1.40	**1.57**	12.5	**0.0935**			0.0176		0.583	**0.0155**	4.13	**0.00075**	**0.00075**	**0.155**		1.32	**0.0155**
10/13/07	6.20	2.03	9.87	71.7	0.043	149.3	0.65	17.4	42.0	51.3	**0.400**	**1.57**	13.2	0.111			0.0110		0.632	**0.0155**	4.95	**0.00075**	**0.00075**	**0.155**		0.678	**0.0155**
11/09/07	5.53	1.44	10.46	74.7	0.042	187.8	0.42	16.2	42.5	13.8	0.81	**1.57**	13.2	0.108			0.0158		0.719	**0.0155**	4.47	**0.00075**	**0.0025**	**0.155**		0.813	**0.0155**
12/08/07	7.44	1.33	10.12	71.8	0.044	100.1	0.47	17.7	43.7	27.5	**0.816**	**1.57**	14.5	0.139			**0.0095**		0.645	**0.0155**	4.35	**0.00075**	**0.0025**	**0.155**		0.587	**0.0155**
01/21/08	6.27	0.11	9.11	628.0	0.046	126.6	0.24	17.6	50.5	31.3	**0.404**	**7.45**	13.5	0.241			**0.0050**		0.665	**0.0155**	5.97	**0.00075**	**0.00075**	**0.155**		**0.467**	**0.0155**
02/16/08	5.66		18.15	125.0	0.049	84.4	0.86	18.5	31.7	33.8	**0.1485**	**1.57**	17.2	0.146			0.0101		0.678	**0.0370**	4.95	**0.0016**	**0.0025**	**0.155**		**0.250**	**0.0155**
03/12/08	6.62	-0.02	9.65	66.1	0.051	220.5	0.82	18.2	47.7	23.8	**0.421**	13.0	20.3	0.162			**0.0082**		0.678	**0.0340**	4.95	**0.0025**	**0.0025**	**0.155**		0.514	**0.050**
04/19/08	7.62	0.20	13.55	93.3	0.040	157.6	0.47	16.4	43.7	40.0	0.90	**4.06**	14.4	0.148			**0.0050**		0.702	**0.0155**	3.83	**0.0025**	**0.00075**	**0.155**		**0.075**	**0.0155**
05/27/08		4.08	9.15	70.4	0.029	185.9	1.2	13.5	36.4	28.8	4.28	**1.57**	10.2	0.214			0.0347		0.611	**0.0155**	3.27	**0.00075**	**0.00075**	**0.155**		1.87	**0.0552**
06/15/08	7.93	6.09	7.36	59.3	0.030	148.1	0.84	13.8	33.9	35.0	1.42	**1.57**	56.7	**0.074**			**0.0038**		0.386	**0.0155**	3.58	0.0450	**0.00075**	**0.155**		1.09	0.104
07/18/08	6.93	7.03	8.03	66.2	0.040	181.3	0.77	16.0	42.6	33.8	1.44	**1.57**	14.6	**0.0155**			**0.0050**		0.554	**0.054**	3.99	**0.0025**	**0.00075**	**0.155**		0.82	**0.050**
08/20/08	7.30	6.17	8.53	68.9	0.051	102.0	0.38	19.7	49.4	27.5	**0.222**	**1.57**	18.2	**0.050**			**0.0047**		0.600	**0.041**	4.88	**0.0025**	**0.00075**	**0.155**		**0.250**	**0.050**
09/16/08	6.50	6.25	9.68	78.3	0.043	171.9	0.92	17.0	47.3	31.3	1.11	**1.57**	15.9	**0.070**			**0.0094**		0.579	**0.0155**	4.19	**0.0025**	**0.00075**	**0.155**		1.36	**0.050**
10/18/08	5.53	0.90	10.27	72.0	0.043	197.5	0.38	17.7	46.5	37.5	0.60	**1.57**	14.6	**0.097**			**0.0043**		0.722	**0.071**	4.83	**0.00075**	**0.00075**	**0.155**		0.660	**0.050**
11/18/08	7.21	-0.07	9.98	68.3	0.052	103.9	0.34	19.3	56.6	42.5	**0.408**	**3.62**	17.8	0.148			**0.0050**		0.655	**0.0155**	5.02	**0.00075**	**0.00075**	**0.155**		**0.075**	**0.050**
12/06/08	6.33	1.82	13.43	96.9	0.046	180.7	0.30	17.1	47.0	21.3	1.40	**4.36**	15.2	0.239			**0.0073**		0.619	**0.0155**	3.97	**0.00075**	**0.00075**	**0.155**		0.696	**0.050**
Mean	6.70	4.3	10.95	96.3	0.046	128.2	1.5	17.2	45.0	33.3	1.05	2.38	16.9	0.175	0.0240	0.181	0.0117	0.0312	0.741	0.0285	4.86	0.00230	0.00150	0.167	NA	0.752	0.0311
Median	6.63	3.34	10.485	78.3	0.046	149.6	0.500	17.4	46.0	33.8	0.86	1.57	15.5	0.141	0.0155	0.134	0.0093	0.0155	0.7225	0.0155	4.93	0.00125	0.00125	0.155	NA	0.696	0.0155
St. Deviation	0.66	4	2.160	85.2	0.007	87.9	3.5	2.30	8.00	11.9	0.84	2.00	7.10	0.232	0.0196	0.171	0.0103	0.018	0.167	0.0195	0.92	0.00630	0.00110	0.114	NA	0.458	0.0224
# of values	47	48	48	43	48	47	46	48	48	47	48	47	49	47	11	11	48	11	48	48	48	48	48	48	0	19	48
Minimum	5.04	-0.07	6.71	54.9	0.029	-191.9	0.15	10.3	31.5	1.55	0.075	0.785	9.50	0.0155	0.0155	0.069	0.00155	0.0155	0.386	0.0155	3.11	0.00075	0.00075	0.0295	NA	0.075	0.0155
Maximum	8.07	16.74	18.15	628	0.059	247	23.0	21.5	60.0	56.7	4.28	13.0	56.7	1.58	0.074	0.682	0.0535	0.0500	1.45	0.092	8.08	0.0450	0.0059	0.710	NA	1.87	0.104
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	6%	68%	0%	17%	91%	0%	38%	100%	0%	60%	0%	92%	92%	81%		21%	83%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	12	13	2	8	1	1	17	0	0	19	0	2	3	9	0	1	7
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.04
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	32%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	NA	0%	0%
% of DWS exceedences	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100B																														
Sample Date																														
04/28/04	27.8	**12.5**	**0.0385**	**0.0385**	**0.125**	0.275	2.60	2.30	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	5490	5550	0.195	0.149	0.0335		1.42	0.582	82.8	59.6	0.366	0.241	976	984
05/18/04	96.5	**12.5**	0.341	**0.100**	**0.125**	**0.125**	2.57	2.13	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3160	3260	**0.100**	**0.0500**	0.0675		1.14	0.784	256	74.0	**0.100**	**0.100**	582	539
05/21/04																														
06/04/04																														
06/15/04	29.0	**12.5**	**0.0385**	0.213	**0.125**	**0.125**	2.21	2.10	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.00**	**1.55**	**0.0155**	**0.0155**	4660	4930	**0.050**	0.193	**0.050**		0.708	0.597	83.9	41.9	**0.050**	**0.050**	784	800
07/14/04	42.7	**12.5**	0.991	**0.0385**	**0.125**	**0.125**	2.26	1.98	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0500**	5320	5250	**0.100**	**0.100**	**0.0155**		0.983	0.391	49.8	26.4	**0.050**	**0.050**	898	984
08/15/04																														
08/23/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.88	1.76	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5480	5220	0.135	0.162	**0.050**		0.406	0.605	46.9	**10.0**	**0.050**	**0.050**	1020	895
09/13/04	**12.5**		**0.0385**	**0.0385**	0.263	**0.125**	1.86	1.88	**0.0075**	**0.0075**	**0.750**	**0.750**	4.00	4.10	**0.0155**	**0.0155**	5810	5320	0.124	0.157	**0.050**		0.240		84.1	68.4	**0.050**	**0.050**	1030	1060
10/15/04	33.0	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	2.35	2.08	**0.0075**	**0.0075**	**0.750**	**0.750**	3.40	**1.55**	**0.0155**	**0.0155**	5040	4270	**0.0500**	**0.100**	**0.050**		0.703	0.557	86.7	37.4	**0.050**	**0.050**	823	793
01/28/05	5.95	3.24	0.0162	0.024	**0.125**	**0.125**	1.95	1.90	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5510	5510	0.395	0.477	0.0132	0.0122	0.225	0.299	42.6	25.2	**0.0155**	**0.0155**	987	1010
03/18/05	3.35		0.0286	0.0257	0.205	0.216	1.91	2.06	**0.001495**	**0.001495**	0.0105	**0.010**	1.78	1.42	0.0118	0.00907	5980	6240	**0.03565**	**0.102**	0.0187	0.0281	0.226	0.238	30.2		**0.035**	**0.035**	1110	1140
03/21/05																														
05/04/05	152	14.1	0.0275	0.0152	0.352	0.141	3.45	1.87	0.0085	**0.001495**	**0.003835**	**0.003835**	1.83		0.0238	0.0332	3660	3540	**0.03565**	**0.03565**	0.0993	0.0431	1.17	0.624	287	61.9	0.141	0.164	720	586
06/03/05	26.1	6.38	1.82	0.031	**0.125**	**0.125**	2.09	2.02	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4620	4720	**0.0310**	**0.0310**	0.0436	0.0352	0.759	0.685	102	35.7	**0.050**		867	855
07/08/05	16.4	8.25	**0.005**	**0.005**	**0.125**	**0.125**	2.13	1.93	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6090	5960	0.286	0.292	0.0076	**0.00155**	0.524		93.0	54.0	**0.0155**	**0.050**	1180	1200
07/09/05																														
08/17/05	16.6	6.32	0.361	0.0128	**0.125**	**0.125**	2.07	1.82	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5850	5470	0.477	0.527	0.037	0.0328	0.517	0.451	76.0	36.0	**0.0155**		1190	1120
09/14/05	40.4	15.0	0.0556	0.0454	**0.125**	**0.125**	2.50	2.45	0.0264	**0.0075**	0.0072	**0.00155**	**1.55**	**1.55**	0.0728	**0.00775**	4510	4600	0.667	0.820	0.080	0.0592	1.04	0.953	158	67.1	**0.050**		810	830
10/29/05	18.4	4.41	0.0146		**0.125**	0.287	2.17	2.13	**0.0075**	**0.0075**	0.0052	**0.00155**	**4.00**	**1.55**	**0.00775**	**0.00775**	5330	5240	0.422	0.225	0.0616	0.0534	0.583	0.492	126	26.5	**0.0155**		962	978
02/08/06	18.8	3.29	0.0544	0.041	**0.155**	**0.155**	2.03	2.04	**0.0120**	0.024	0.0242	**0.0075**	2.68	**0.750**	**0.0125**	**0.0125**	6640	6660	0.621		0.0444	0.0372	0.398		50.7	28.9	3.42	**0.025**	1210	1230
03/13/06	15.5	2.36	**0.025**	**0.025**	**0.155**	**0.155**	1.95	1.77	**0.0120**	**0.012**	0.0692	0.0598	**0.750**	**0.750**	**0.0125**	**0.0125**	6000	6290	**0.100**	**0.100**	0.0334	0.0302	0.295	0.231	49.1	28.4	1.15	0.378	1270	1220
05/20/06																														
05/21/06	63.4	16.9	**0.0250**	**0.0250**	**0.155**	**0.155**	2.39	2.10	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	3830	3430	0.246	**0.100**	0.0658	0.0388	0.735	0.497	173	70.2	0.143	**0.0250**	761	659
06/18/06	19.9	8.56	0.0336	0.0348	**0.155**	**0.155**	2.40	2.32	**0.0120**	**0.0120**	**0.0075**	**0.0075**	2.91	**0.750**	**0.0125**	**0.0125**	5190	4960	0.467		0.0556	0.0466	0.832	0.808	114	50.1	0.0562		921	867
07/22/06	7.25	3.59	0.0306	0.0284	**0.155**	**0.155**	2.32	2.38	**0.120**	**0.0125**	**0.0250**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	5980	6240	0.532		0.0422	0.0410	0.479	0.354	59.8	37.8	0.127		1090	1130
08/17/06	31.4	16.7	**0.0075**	0.0206	**0.155**	0.399	2.59	2.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4880	4480	0.348	**0.100**	0.0540	0.0480	0.871	0.845	132	59.9	0.247	0.128	858	769
09/13/06	11.9	5.18	0.0226	**0.0250**	**0.155**	**0.155**	2.30	2.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5480	5200	**0.0500**	**0.100**	0.0398	0.0378	0.575	0.608	117	65.9	0.129	0.150	916	925
10/31/06	19.8	5.11	**0.0075**	**0.0075**	**0.155**	**0.155**	2.68	3.09	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5270	5730	**0.100**	**0.0500**	0.0482	0.0336	0.643	0.543	122	43.6	**0.050**	**0.0155**	979	1060
12/10/06	11.1	2.39	**0.0075**	**0.0075**	**0.155**	**0.155**	2.01	1.93	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5320	5320	**0.0500**	0.121	0.0328	0.0266	0.250	0.316	62.1	24.2	**0.050**	0.106	996	952
01/15/07	14.9	3.12	**0.0250**	0.0546	**0.155**	**0.155**	2.08		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	2.54	**0.0075**	**0.0075**	6010		**0.0500**	0.146	0.0342	0.0282	0.224		47.7	8.95	0.511	0.0758	982	
02/17/07	6.97	3.07	**0.0250**	0.0576	**0.155**	**0.155**	1.93		**0.0125**	**0.0125**	0.0324	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5770	6760	**0.100**		0.0430	0.0420	0.224	0.257	80.2	39.6	**0.0155**	**0.050**	1080	1230
03/15/07	7.49	2.08	**0.0250**	**0.0250**	**0.155**	**0.155**	1.81	1.89	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6040	5950	**0.0500**	**0.0500**	**0.0100**		0.241		26.1	**10.0**	0.308	**0.050**	1080	1090
04/20/07	19.5	5.63	0.0272	0.0366	**0.155**	**0.155**	1.95	2.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	0.0168	5960	5930	0.345	0.412	0.0300		0.310		75.3	47.6	0.0382	0.102	1090	1080
05/11/07	56.4	13.1	0.0244	0.0328	**0.155**	**0.155**	2.60	2.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4300	4240	0.570	0.520	0.0594	0.0586	0.966		209	93.6	**0.050**	**0.050**	759	769
06/17/07	12.2	4.76	**0.0250**	**0.0250**	**0.155**	**0.155**	2.10	2.23	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5360	5520	0.234	**0.0500**	0.0276	0.0238	0.654	0.502	63.4	38.0	0.276	**0.050**	983	1040
07/12/07	8.54	5.15	**0.0250**	**0.0250**	**0.155**	**0.155**	2.02	2.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6080	5980	0.335	0.357	0.0290	0.0278	0.237	0.239	58.4	40.9	**0.0155**	**0.0155**	1060	1080
08/15/07	8.70	3.48	0.0246	0.0300	**0.155**	**0.155**	1.73		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5190	5510	0.101	0.250	0.0266	0.0392	0.240	0.294	46.9	39.2	**0.0155**	**0.050**	918	969
09/15/07	44.0	13.4	0.0206	0.0300	**0.155**	**0.155**	2.64	2.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5370	5670	0.217	0.225	0.0472	0.0304	0.859	0.802	145	60.1	**0.050**	**0.050**	830	884
10/13/07	24.2	7.86	0.0196	0.0282	**0.155**	**0.155**	2.56	2.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5400	5580	0.319	0.419	0.0422	0.0350	0.717	0.575	106	55.5	**0.050**	**0.0155**	940	988
11/09/07	26.1	7.80	0.0192	0.0250	**0.155**	**0.155**	2.28	2.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5070	5080	0.322	0.219	0.0388	0.0258	0.528	0.563	111	49.7	**0.0155**	**0.0155**	866	894
12/08/07	17.1	5.01	**0.0075**	0.0208	**0.155**	**0.155**	2.25	2.20	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5490	5360	0.206	0.257	0.0442	0.0458	0.354		89.9	47.6	**0.050**	**0.050**	965	979
01/21/08	11.4	3.26	0.0200	0.0234	**0.155**	**0.155**	1.91	2.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5460	5370	0.357	0.335	0.0220	0.0212	0.193		54.4	28.2	**0.0155**	**0.050**	973	957
02/16/08	16.6	2.05	**0.0250**	**0.0250**	**0.155**	**0.155**	1.84	1.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	3.62	**0.0075**	**0.0075**	5760	5840	0.269	0.279	0.0222	**0.0100**	0.221	0.252	65.7	26.9	**0.050**	**0.0155**	990	999
03/12/08	6.09	**1.00**	0.0206	0.0226	**0.155**	**0.155**	1.68	1.67	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5630	5540	0.107	0.127	0.0190	0.0186	0.187		42.4	26.9	**0.0155**	0.0376	1000	1010
04/19/08	9.08	2.46	**0.0075**	**0.0075**	**0.155**	**0.155**	1.75	1.71	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5010	4810	0.254	0.228	0.0351	0.0361	0.528	0.432	103	62.7	**0.0155**	**0.0155**	937	889
05/27/08	101	14.8	**0.0075**	**0.0075**	0.318	**0.155**	3.19	2.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0176	0.0151	4150	3680	0.254	**0.100**	0.0839	0.0328	1.16	1.03	261	83.3	0.111	**0.0155**	772	679
06/15/08	38.8	12.5	**0.0075**	**0.0075**	**0.155**	**0.155**	2.18	2.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4320	4340	0.266	0.249	0.0404	0.0239	1.46	0.837	114	55.6	**0.050**	**0.050**	739	747
07/18/08	20.5	7.06	0.0213	0.0252	**0.155**	**0.155**	2.10	2.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4980	5170	**0.100**	**0.100**	0.0296	0.0200	0.907	0.616	129	49.7	0.0334	**0.0155**	878	940
08/20/08	7.97	2.93	0.0188	0.0184	**0.155**	**0.155**	2.23	2.15	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6070	5940	**0.0500**	0.115	0.0248	0.0233	0.306		52.1	31.2	**0.0155**	**0.0155**	1110	1090
09/16/08	21.8	10.4	**0.0075**	0.0233	**0.155**	**0.155**	2.24	2.19	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5260	5100	0.305	0.255	0.0341	0.0343	0.153		114	68.2	**0.0155**	**0.0155**	941	889
10/18/08	20.6	5.46	0.0246	0.0288	**0.155**	**0.155**	2.33	2.34	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5530	5710	0.265	0.246	0.0374	0.0368	0.605		97.9	44.5	**0.0155**	**0.0155**	938	973
11/18/08	6.94	2.30	**0.0075**	**0.0075**	**0.155**	**0.155**	2.11	2.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5910	6180	0.267	0.251	0.020	0.0218	0.233		52.9	27.9	**0.0155**	**0.0155**	1110	1150
12/06/08	17.3	4.92	**0.0075**	**0.0075**	**0.155**	**0.155**	1.80	1.89	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5220	5020	**0.0500**	**0.0500**	0.0282	0.0231	0.307	0.336	63.7	26.5	**0.0155**	**0.0155**	984	977
Mean	26.2	7.4	0.094	0.0314	0.158	0.159	2.21	2.15	0.0134	0.0109	0.1177	0.1165	1.61	1.43	0.01226	0.0119	5300	5270	0.229	0.21	0.0401	0.0324	0.574	0.535	97.8	44.6	0.1706	0.0603	956	955
Median	17.85	5.545	0.0248	0.0250	0.155	0.155	2.15	2.13	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.00775	5385	5360	0.2255	0.1595	0.0381	0.0328	0.526	0.55	84	41.9	0.0500	0.0500	969	977
St. Deviation	27.7	4.68	0.297	0.0316	0.044	0.047	0.350	0.300	0.0161	0.0035	0.2642	0.2647	0.850	0.590	0.01002	0.00768	700.0	800.0	0.169	0.161	0.0189	0.0124	0.348	0.218	58.8	19.2	0.5135	0.0691	139	162
# of values	48	46	48	47	48	48	48	45	48	48	48	48	48	47	48	48	48	47	48	44	48	39	48	34	48	47	48	42	48	47
Minimum	3.35	1.00	0.005	0.005	0.125	0.125	1.68	1.67	0.001495	0.001495	0.00155	0.00155	0.750	0.750	0.0075	0.0075	3160	3260	0.031	0.0310	0.0076	0.00155	0.153	0.231	26.1	8.95	0.0155	0.0155	582	539
Maximum	152	16.9	1.82	0.213	0.352	0.399	3.45	3.09	0.120	0.024	0.750	0.750	5.00	4.10	0.0728	0.05	6640	6760	0.667	0.820	0.0993	0.0592	1.46	1.03	287	93.6	3.42	0.378	1270	1230
% of values undetected	4%	15%	50%	45%	92%	90%	0%	0%	96%	98%	88%	98%	85%	91%	92%	92%	0%	0%	35%	34%	13%	5%	0%	0%	0%	4%	69%	79%	0%	0%
# of values between MDL and PQL	0	0	14	18	2	3	0	0	2	1	5	0	5	3	2	3	0	0	6	10	6	2	0	0	0	1	2	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.060	0.059	NA	NA	10.98	10.56276	NA	NA	1.630	1.565	1000	1000	0.237	0.257	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	2%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100B																									
Sample Date																									
04/28/04	5.34	4.56	0.0011		**0.502**	**0.493**	0.248	0.214	286	289	**0.314**	**0.155**	4830	**0.00310**	**0.00310**	1850	1950	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	3.31	3.21
05/18/04	10.1	7.09	0.0019		**0.444**	**0.370**	**0.100**	0.339	210	216	**0.155**	**0.155**	2930	**0.00310**	**0.00310**	1330	1260	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	**0.125**	3.44	3.71
05/21/04																									
06/04/04																									
06/15/04	6.27		**0.0005**		**0.401**	**0.357**	**0.100**	0.280	236	247	**0.155**	**0.155**	3310	**0.00310**	**0.00310**	1750	1830	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.297**	**0.750**	**0.750**
07/14/04	5.14	5.05	**0.0005**		**0.373**	**0.155**	**0.100**	0.283	290	272	**0.155**	**0.155**	4270	**0.0031**	**0.0031**	2080	1970	**0.0125**	**0.0125**	**0.155**	**0.155**	0.457	**0.125**	**0.750**	**0.750**
08/15/04																									
08/23/04	4.87	4.60	0.0014		**0.462**	**0.410**	**0.136**	0.306	295	277	**0.155**	**0.155**	5130	**0.0031**	**0.0031**	1940	1840	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	**0.750**
09/13/04	5.80	5.76	0.0014		**0.429**	**0.408**	**0.100**		295	313	**0.155**	**0.155**	5270	**0.0031**	**0.0031**	1900	2030	**0.0303**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	2.01
10/15/04	6.27	6.23	**0.0005**		**0.366**	**0.337**	**0.153**		274	230	**0.155**	**0.155**	4360	**0.0078**	**0.0031**	1890	1750	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.341**	**0.125**	1.83	2.05
01/28/05	3.19	3.01	0.0011		0.357	0.340	0.164	0.220	271	275	**0.0775**	**0.0775**	5000	**0.0031**	**0.0031**	1880	1960	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.370**	**0.100**	**1.45**	2.24
03/18/05	4.05		**0.000147**		0.363	0.448	0.839	**0.0450**	288	286	0.155	0.133	5240	**0.001435**	**0.0050**	1930	2220	**0.002125**	**0.0050**	**0.0302**	**0.0302**	0.221	0.248	5.75	1.35
03/21/05																									
05/04/05	19.7	9.66	**0.000147**		0.314	0.182	0.157		304	269	0.0932	**0.0713**	3350	**0.00546**	**0.001435**	1340	1240	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.700	0.147	3.30	4.22
06/03/05	8.83	7.14	**0.000450**		0.403	0.381	0.269		226	237	**0.0775**	**0.0775**	3480	**0.0031**	**0.0031**	1870	1910	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.750**	2.55
07/08/05	5.26	3.84			0.421	0.390	0.203		305	306	**0.0775**	**0.0775**	4050	**0.0031**	**0.0031**	2410	2430	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.389**	**0.100**	20.9	23.4
07/09/05			**0.0025**																						
08/17/05	5.87	4.40	**0.000450**		0.360	0.317	0.262		323	322	**0.0775**	**0.0775**	4730	**0.0031**	**0.0031**	2250	2200	**0.0031**	**0.0031**	**0.031**	**0.031**	0.622	**0.218**	**0.750**	**0.750**
09/14/05	10.4	7.03	**0.000450**		0.387	0.353	0.289		271	286	**0.0775**	**0.0775**	4510	**0.0031**	**0.0031**	1770	1870	**0.016**	**0.0074**	**0.031**	**0.031**	**0.100**	**0.100**	1.66	
10/29/05	11.9	10.4	**0.000450**		0.188		0.204		248	250	**0.0775**	**0.0775**	5030	**0.0031**	**0.0031**	1920	2000	**0.0031**	**0.0031**	**0.031**	**0.031**	0.529	**0.100**	2.20	**1.42**
02/08/06	4.57	3.62	**0.000475**		0.924	0.470	0.321	0.410	335	328	**0.347**	**0.155**	5520	**0.0031**	**0.0031**	2790	2320	**0.0025**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	21.7	4.78
03/13/06	4.25	2.86	**0.000475**		0.348		**0.181**		318	320	**0.155**	**0.155**	5290	**0.0031**	**0.0031**	2310	2240	**0.0025**		**0.0155**	**0.0155**	**0.250**	**0.250**	4.37	3.11
05/20/06																									
05/21/06	10.2	7.00	**0.00250**		0.332	0.252	**0.100**	**0.100**	400	349	**0.155**	**0.155**	3110	**0.0031**	**0.0031**	1700	1400	**0.0025**	**0.0025**	**0.0568**	**0.0155**	0.681	**0.296**	2.70	2.41
06/18/06	6.62	4.97	**0.000475**		0.475	0.438	0.241		282	281	**0.155**	**0.155**	3690	**0.0074**	**0.0031**	1910	1910	0.0238	**0.0092**	**0.0524**	**0.0450**	**0.110**	**0.110**	1.67	
07/22/06	5.56	5.21	**0.000475**		0.353	0.386	0.218		281	293	**0.155**	**0.155**	4750	**0.0310**	**0.0031**	2090	2240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	4.79	5.13
08/17/06	8.77	5.15	**0.00250**		0.345	0.335	0.214		209	192	**0.155**	**0.155**	3840	**0.0031**	**0.0031**	1850	1720	**0.0050**	**0.0126**	**0.050**	**0.050**	**0.250**	**0.250**	1.64	1.63
09/13/06	7.99	6.68	**0.000475**		0.326	0.304	**0.164**		256	251	**0.155**	**0.155**	3740	**0.0031**	**0.0031**	1900	1890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.18	1.42
10/31/06	11.8	9.66	**0.00250**		0.307	0.333	**0.100**	**0.100**	247	279	**0.155**	**0.155**	4630	**0.0031**	**0.0031**	1950	2070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.21	
12/10/06	4.68	3.97	**0.000475**		0.328	0.300	0.239	0.218	270	263	**0.155**	**0.155**	4520	**0.0031**	**0.0031**	1850	1770	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.57	
01/15/07	3.70	2.82	**0.000169**		0.370	0.429	0.233	0.294	275		**0.155**	**0.155**	5910	**0.0031**	**0.0031**	1860		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.86	
02/17/07	6.14	5.88	**0.000169**		0.338	0.379	0.221	0.245	279		**0.155**	**0.155**	5420	**0.0031**	**0.0031**	2020	2280	**0.0198**	**0.0050**	**0.050**	**0.050**	**0.381**	**0.155**	1.45	
03/15/07	2.68		**0.000169**		0.435	0.421	**0.100**		251	266	**0.155**	**0.155**	4730	**0.0031**	**0.0031**	2420	1990	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.500**	1.71	
04/20/07	5.15	6.02	**0.000565**		0.468	0.474	0.227		342	357	**0.155**	**0.155**	4510	**0.0031**	**0.0031**	2050	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.01	
05/11/07	11.9	8.64	**0.000169**		0.388	0.370	0.310		318	316	**0.155**	**0.155**	3290	**0.0070**	**0.0031**	1510	1570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.325**	**0.155**	2.78	
06/17/07	4.46	3.78	**0.000169**		0.394	0.414	**0.100**	0.222	260	273	**0.155**	**0.155**	4490	**0.0031**	**0.0031**	1950	2040	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.47	1.77
07/12/07	3.45	2.88	**0.00250**		0.435	0.415	**0.100**	0.245	295	308	**0.155**	**0.155**	4750	**0.0031**	**0.0031**	2160	2130	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.03	**0.500**
08/15/07	4.43	3.94	**0.00250**		0.328	0.357	**0.100**	0.248	235	261	**0.155**	**0.155**	4320	**0.0031**	**0.0031**	1840	1940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.52	2.43
09/15/07	8.79	4.98	**0.00250**		0.399	0.399	**0.100**	0.246	246	273	**0.155**	**0.155**	4350	**0.0031**	**0.0031**	1880	1950	**0.0122**	**0.0050**	**0.050**	**0.050**	**0.399**	**0.155**	2.15	2.34
10/13/07	9.18	7.12	**0.000169**		0.335	0.355	**0.100**		229	255	**0.155**	**0.155**	4820	**0.0031**	**0.0031**	1810	1870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.61	1.94
11/09/07	7.15	4.87	**0.000169**		0.304	0.306	**0.100**	0.268	222	244	**0.155**	**0.155**	4390	**0.0031**	**0.0031**	1690	1770	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.155**	
12/08/07	5.95	4.61	**0.000513**		0.323	0.302	0.256	0.376	247	259	**0.155**	**0.155**	5000	**0.0031**	**0.0031**	1970	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.13	2.00
01/21/08	3.61	3.07	**0.00075**		0.323	0.311	**0.100**		267	279	**0.155**	**0.155**	4880	**0.0031**	**0.0031**	1870	1830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
02/16/08	3.70	3.03	**0.00075**		0.361	0.354	**0.100**	**0.100**	269	264	**0.155**	**0.155**	4810	**0.0031**	**0.0031**	1900	1890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
03/12/08	2.57	2.26	**0.00075**		0.384	0.365	**0.100**	0.378	242	261	**0.155**	**0.155**	4760	**0.0031**	**0.0031**	1850	1830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.21	1.03
04/19/08	7.25	7.69	**0.00075**		0.197	0.155	**0.100**	**0.100**	250	249	**0.155**	**0.155**	4550	**0.0031**	**0.0031**	1880	1810	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
05/27/08	18.4	7.82	**0.00158**		0.125	0.078	0.236	0.414	338	307	**0.155**	**0.155**	3500	**0.0031**	**0.0031**	1580	1440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.437**	**0.155**	4.20	3.56
06/15/08	6.84	4.07	**0.00075**		0.378	0.387	**0.100**	0.267	231	242	**0.155**	**0.155**	3780	**0.0031**	**0.0031**	1660	1720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.334**	**0.155**	2.40	1.64
07/18/08	5.93	4.04	**0.00075**		0.392	0.411	0.203	0.272	222	241	**0.155**	**0.155**	3790	**0.0031**	**0.0031**	1770	1780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.55	**0.500**
08/20/08	4.99	4.29	**0.00075**		0.386	0.356	**0.100**	0.308	270	272	**0.155**	**0.155**	4550	**0.0031**	**0.0031**	2120	2130	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.22	
09/16/08	6.81	5.41	**0.00075**		0.359	0.366	**0.100**		228	239	**0.155**	**0.155**	4130	**0.0031**	**0.0031**	2030	1900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.16	
10/18/08	6.70	5.20	**0.00075**		0.312	0.334	0.240	0.293	256	264	**0.155**	**0.155**	4550	**0.0031**	**0.0031**	1920	1980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.29	
11/18/08	3.28	3.10	**0.00199**		0.273	0.283	0.242		287	313	**0.155**	**0.155**	5530	**0.0031**	**0.0104**	2100	2220	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.01	1.45
12/06/08	4.68	3.70	**0.00075**		0.287	0.270	**0.179**	**0.187**	285	279	**0.155**	**0.155**	4660	**0.0031**	**0.0031**	1870	1810	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.48
Mean	6.77	5.27	0.00092	NA	0.371	0.349	0.184	0.249	272	275	0.151	0.143	4460	0.0040	0.0033	1920	1910	0.0071	0.0061	0.061	0.06	0.245	0.172	2.65	2.63
Median	5.9	4.97	0.00066	NA	0.362	0.357	0.164	0.2575	270.5	272.5	0.155	0.155	4550	0.0031	0.0031	1895	1910	0.0050	0.0050	0.050	0.050	0.155	0.155	1.495	1.855
St. Deviation	3.56	1.99	0.00078	NA	0.108	0.0840	0.119	0.0950	38.0	33.0	0.0460	0.0280	690.0	0.0041	0.0011	250.0	250.0	0.0058	0.0031	0.04	0.041	0.153	0.0710	4.15	3.87
# of values	48	45	48	0	48	46	48	28	48	46	48	48	48	48	48	48	47	48	47	48	48	48	48	48	34
Minimum	2.57	2.26	0.000147	NA	0.125	0.078	0.100	0.045	209	192	0.0775	0.0713	2930	0.001435	0.001435	1330	1240	0.002125	0.002125	0.0155	0.0155	0.1	0.1	0.155	0.500
Maximum	19.7	10.4	0.00250	NA	0.924	0.493	0.839	0.414	400	357	0.347	0.155	5910	0.0310	0.0104	2790	2430	0.0303	0.0126	0.155	0.155	0.7	0.5	21.7	23.4
% of values undetected	0%	0%	79%		0%	2%	42%	18%	0%	0%	92%	96%	0%	92%	98%	0%	0%	90%	94%	96%	98%	71%	90%	23%	24%
# of values between MDL and PQL	0	0	5	0	8	7	5	1	0	0	3	1	0	4	1	0	0	4	3	2	1	8	3	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	9.27	9.24	NA	NA	5	4.6	NA	0.1211246	0.103	NA	NA	NA	NA	NA	NA	NA	NA	21.24	20.94
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	3%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100B1																											
Sample Date																											
09/17/05	5.61	7.34	11.33	94.3	0.039	163.2	0.89	22.5	42.0	41.3	0.80	3.25	12.5	0.172			0.0085		0.811	0.0155	5.07	0.00125	0.00125	0.360			0.0155
10/29/05	6.17	1.72	13.23	94.9	0.048	135.1	0.82	18.5	48.0	45.0	0.51	3.13	16.0	0.281			0.011		0.785	0.033	6.18	0.00125	0.00125	0.240			0.127
02/07/06	7.25	1.02	10.64	75.0	0.052		0.17	21.4	60.0	95.0	0.80	3.50	20.0	0.158			0.017		0.786	0.0155	6.12	0.00125	0.00125	0.0295			0.0155
03/14/06	7.03	1.20	10.02	71.0	0.054	-85.1	0.45	21.0	55.0	47.5	0.60	3.00	22.0	0.119			0.005		0.741	0.0155	6.11	0.00125	0.00125	0.155			0.0155
04/04/06	6.95	3.85	11.4	87.0	0.052	133.5																					
05/21/06	5.36	2.71	10.28	75.7	0.029	187.3	1.05	11.1	30.5	22.5	6.20	6.25	8.00	0.283	0.0155	0.270	0.0470	0.0155	1.030	0.0155	2.98	0.0030	0.00125	0.155			0.050
06/18/06	6.63	7.85	10.03	84.4	0.040	57.6	0.49	17.4	39.0	31.3	0.600	2.00	13.0	0.104	0.0445	0.0590	0.0047	0.05	0.725	0.0155	4.71	0.00125	0.00125	0.155			0.0155
07/22/06	6.74	6.55	6.20	50.5	0.047	127.0	0.40	19.0	50.0	38.7	0.316	2.38	17.0	0.174	0.0155	0.174	0.0087	0.0155	0.758	0.0440	5.27	0.00105	0.0025	0.155			0.0690
08/17/06	6.14	9.28	9.56	83.5	0.037	103.7	0.47	16.2	39.0	43.8	1.03	1.57	12.0	0.0485	0.0155	0.0485	0.0060	0.05	0.513	0.0350	4.41	0.00075	0.00075	0.155			0.0155
09/13/06	6.84	7.17	9.99	82.6	0.044	206.4	0.78	17.6	45.0	28.8	0.80	1.57	15.0	0.0595	0.0155	0.0595	0.00155	0.05	0.716	0.0540	5.39	0.00075	0.00075	0.155			0.0155
10/31/06	6.69	1.22	12.12	85.9	0.046	115.0	0.87	17.2	47.0	31.3	0.71	1.57	13.0	0.134	0.0155	0.122	0.0200	0.05	0.704	0.0155	5.58	0.00075	0.00075	0.155			0.050
12/10/06	6.84	1.76	10.73	77.2	0.052	120.2	0.17	19.4	47.0	37.5	0.158	1.57	22.0	0.133	0.0155	0.125	0.0070	0.0155	0.704	0.0155	5.60	0.00075	0.00075	0.155			0.0155
01/15/07	6.79	0.04	11.0	76.0	0.051	131.0	0.22	20.2	50.0	51.3	0.816	1.57	15.0	0.133	0.0155	0.129	0.0050	0.05	0.995	0.0155	5.41	0.00075	0.00075	0.155			0.050
02/17/07	6.74	1.07	12.31	86.9	0.049	128.0	0.12	21.5	50.0	35.0	0.153	1.57	20.0	0.104	0.0155	0.050	0.00155	0.05	0.709	0.0155	5.42	0.0017	0.0038	0.155			0.0310
03/15/07	6.71	0.14	11.41	78.2	0.054	120.2	0.22	60.1	110	120	0.427	5.50	54.0	0.258	0.0155	0.258	0.0170	0.05	2.160	0.0430	15.5	0.00075	0.00075	0.155			0.0155
03/31/07	6.81	1.33	9.67	64.7	0.049	99.8																					
04/20/07	6.23	4.81	9.36	73.3	0.043	188.0	0.69	19.0	45.5	80.0	0.440	1.57	16.0	0.170	0.0500	0.152	0.0050	0.05	0.825	0.0420	4.60	0.00075	0.00075	0.155			0.0155
05/11/07	6.86	3.32	11.11	83.6	0.037	165.2	0.71	14.2	38.0	28.8	2.67	1.57	13.5	0.169			0.0180		0.720	0.0360	3.69	0.00075	0.00075	0.155			0.0155
06/17/07	7.07	5.45	10.18	80.7	0.042	80.6	0.32	17.4	42.5	41.3	0.309	1.57	22.0	0.0790			0.0050		0.705	0.0650	4.62	0.00075	0.00075	0.155	0.790		0.0155
07/12/07	7.66	8.63	9.07	78.1	0.046	43.4	0.36	17.8	46.0	45.0	0.0805	1.57	16.2	0.0670			0.0105		0.679	0.0460	4.64	0.00075	0.00075	0.155	0.891		0.0155
08/15/07	6.55	6.24	9.88	79.8	0.048	73.7	0.40	17.1	47.0	32.5	0.150	1.57	16.8	0.112			0.0032		0.534	0.0155	4.31	0.00075	0.00075	0.155	0.845		0.0155
09/15/07	6.60	7.00	9.78	81.0	0.039	152.2	0.73	16.0	38.0	42.5	1.72	1.57	12.2	0.105			0.0189		0.548	0.0155	4.22	0.00075	0.00075	0.155	1.61		0.0155
10/13/07	6.57	2.88	9.16	68.0	0.043	127.4	0.90	18.3	44.5	30.0	0.417	1.57	14.0	0.117			0.0116		0.632	0.0155	5.30	0.00075	0.00075	0.155	0.747		0.0155
11/09/07	5.58	1.82	10.74	77.4	0.043	162.1	0.40	17.6	44.0	10.0	0.83	1.57	13.2	0.214			0.0138		0.713	0.0155	4.90	0.00075	0.00075	0.155	0.890		0.0155
12/08/07	6.35	1.71	9.59	68.9	0.045	165.8	0.32	20.1	45.2	30.0	0.80	1.57	15.1	0.180			0.0110		0.626	0.031	4.63	0.00075	0.0025	0.155	0.465		0.0155
01/21/08	6.90	1.39	8.97	64.0	0.051	26.7	0.13	20.2	59.6	30.0	0.612	7.50	15.6	0.248			0.0139		0.659	0.0155	7.80	0.00075	0.00075	0.155	0.451		0.0155
02/18/08	7.05	0.97	11.0	77.9	0.054	93.7	0.28	20.7	54.2	33.8	1.03	3.64	20.2	0.105			0.0154		0.639	0.0155	5.29	0.00075	0.00075	0.155			0.0155
03/12/08	6.59	1.66	9.36	67.1	0.053	178.0	0.17	19.9	59.4	40.0	0.430	13.8	20.8	0.162			0.0105		0.628	0.0155	5.23	0.0025	0.0025	0.155	0.224		0.050
03/26/08	7.07	0.26	9.31	64.0	0.063	154.7																					
04/19/08	8.10	0.72	11.9	83.2	0.054	169.8	0.30	22.1	63.3	46.3	0.1565	3.28	21.2	0.177			0.0050		0.636	0.0310	5.18	0.0025	0.00075	0.155	0.350		0.0155
05/27/08	6.95	3.94	8.56	65.3	0.032	121.7	1.58	12.3	37.2	28.8	3.41	1.57	10.3	0.262			0.0227		0.629	0.065	3.35	0.01300	0.00075	0.330		2.03	0.126
06/15/08	6.32	5.65	8.30	66.1	0.031	160.3	0.82	13.5	32.9	36.3	1.15	1.57	10.8	0.249			0.0032		0.518	0.0155	3.70	0.0020	0.00075	0.155		1.21	0.0676
07/18/08	7.08	6.90	7.59	62.5	0.041	89.1	0.77	16.6	41.9	47.5	1.44	1.57	14.5	0.044			0.0127		0.353	0.0155	3.07	0.0025	0.00075	0.155		0.815	0.050
08/20/08	7.15	5.85	7.95	63.6	0.049	92.7	0.34	21.3	49.6	32.5	0.0765	1.57	18.2	0.050			0.0084		0.312	0.036	5.19	0.0025	0.00075	0.155		0.250	0.050
09/16/08	7.23	7.12	8.92	73.8	0.044	107.5	1.47	15.2	45.4	43.8	0.60	1.57	15.9	0.0585			0.0068		0.424	0.033	4.38	0.0025	0.00075	0.155		1.41	0.050
10/18/08	6.40	1.76	10.47	75.3	0.045	156.1	0.53	19.2	46.5	47.5	0.50	1.57	15.0	0.112			0.00155		0.663	0.0155	5.05	0.00075	0.00075	0.155		0.739	0.0155
11/18/08	7.08	0.37	9.22	63.8	0.050	136.4	0.29	20.5	54.8	36.3	0.1565	3.36	17.8	0.150			0.0050		0.667	0.0155	5.58	0.00075	0.00075	0.155		0.075	0.050
12/07/08	6.75	1.90	9.90	71.4	0.050	137.0	0.30	19.4	50.3	38.8	0.60	4.22	16.5	0.236			0.0062		0.704	0.0155	4.85	0.00075	0.00075	0.155		0.075	0.050
Mean	6.72	3.5	10.01	75.2	0.046	122.3	0.5	19.5	49.0	42.0	0.90	2.79	17.0	0.149	0.0213	0.132	0.0105	0.0410	0.713	0.0263	5.24	0.00156	0.00107	0.165	NA	0.770	0.0342
Median	6.77	2.3	9.95	75.9	0.047	128.0	0.40	19.0	46.5	38.7	0.60	1.57	15.9	0.134	0.0155	0.125	0.0085	0.0500	0.704	0.0155	5.07	0.00075	0.00075	0.155	NA	0.769	0.0155
St. Deviation	0.52	2.8	1.38	9.60	0.007	53.7	0.4	7.60	13.0	20.0	1.15	2.42	7.30	0.070	0.0129	0.078	0.0085	0.0160	0.291	0.0152	2.02	0.00211	0.00069	0.052	NA	0.534	0.0292
# of values	38	38	38	38	38	37	35	35	35	35	35	35	35	35	11	11	35	11	35	35	35	35	35	35	0	18	35
Minimum	5.36	0.04	6.20	50.5	0.029	-85.1	0.12	11.1	30.5	10.0	0.0765	1.57	8.00	0.044	0.0155	0.0485	0.00155	0.0155	0.312	0.0155	2.98	0.00075	0.00075	0.0295	NA	0.075	0.0155
Maximum	8.10	9.28	13.23	94.9	0.063	206.4	1.58	60.1	110	120	6.20	13.8	54.0	0.283	0.0500	0.270	0.0470	0.0500	2.16	0.065	15.5	0.01300	0.0038	0.360	NA	2.03	0.127
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	60%	0%	3%	91%	9%	20%	100%	0%	60%	0%	89%	97%	91%		17%	86%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	12	12	1	6	1	3	14	0	0	14	0	3	1	3		4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.03
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	24%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100B1																														
Sample Date																														
09/17/05	50.2	25.9	0.0344	0.0352	1.85	1.27	5.46	5.56	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6750	7230	**0.173**	0.323	0.0670	0.0578	0.379	0.325	250	145	**0.0155**		1360	1410
10/29/05	19.6	4.70	0.825	0.0224	**0.125**	**0.125**	2.84	2.52	**0.0075**	**0.0075**	**0.0048**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5730	5360	0.282	0.295	0.0740	0.0668	0.942	0.836	174	37.1	0.709	0.218	1020	1020
02/07/06	24.1	3.21	**0.026**	**0.0228**	**0.155**	**0.155**	2.01	2.13	**0.012**	**0.012**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	6460	6960	0.228	**0.0500**	0.0430	0.0386	0.243	0.234	78.0	25.7	0.0982		1270	1300
03/14/06	10.9	2.82	**0.025**	**0.025**	**0.155**	**0.155**	1.78	1.89	**0.012**	**0.012**	0.0598	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	6220	6740	**0.100**		0.0330	0.0332	0.212	0.253	56.1	28.2	0.635	0.306	1320	1350
04/04/06																														
05/21/06	160	19.6	**0.0250**	0.0582	**0.155**	**0.155**	2.98	2.45	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**2.90**	**0.0125**	**0.0125**	3340	3380	0.291	**0.100**	0.100	0.0504	1.19	0.715	291	89.3	0.170		678	641
06/18/06	32.1	9.38	**0.0444**	**0.0332**	**0.155**	**0.155**	2.74	2.60	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.95**	**1.96**	**0.0125**	**0.0125**	4590	4590	**0.0500**	**0.0500**	0.0654	0.0508	1.53	1.00	150	56.3	0.0804		846	860
07/22/06	8.20	3.83	**0.0268**	**0.0338**	**0.155**	**0.155**	2.23	2.40	**0.120**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5840	6030	0.432		0.0400	0.0406	0.277		54.6	41.3	**0.050**		1070	1110
08/17/06	31.4	15.5	**0.0075**	**0.0075**	**0.155**	**0.155**	2.94	2.56	**0.0125**	**0.0276**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5030	4350	0.287	0.322	0.0620	0.0536	1.07		159	68.3	**0.050**	0.121	880	800
09/13/06	11.8	6.78	**0.0208**	**0.0250**	**0.155**	**0.155**	2.67	2.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5470	5420	**0.100**	0.229	0.0426	0.0444	0.673	0.769	134	90.1	**0.050**	**0.0155**	964	948
10/31/06	20.8	6.02	**0.0075**	**0.0075**	**0.155**	**0.155**	2.88	3.19	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5290	5650	**0.100**	**0.0500**	0.0590	0.0498	0.743	0.619	149	51.6	**0.050**	**0.0155**	959	1070
12/10/06	4.91	2.12	**0.0075**	**0.0075**	**0.155**	**0.155**	2.26		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5910	6280	**0.0500**	**0.0500**	0.0272	0.0322	0.398	0.354	53.3	22.1	**0.050**	**0.0155**	1130	1240
01/15/07	7.94	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	2.09		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6180	6350	0.309	**0.0500**	0.0266	0.0288	0.227	0.247	41.8	**15.6**	**0.0322**	**0.0155**	1170	1200
02/17/07	4.04	3.27	**0.0250**	**0.0250**	**0.155**	**0.155**	1.84		**0.0125**	**0.0125**	**0.0192**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6550	6930	0.216		0.0324	0.0376	0.192	0.250	44.3	42.0	**0.0155**	**0.050**	1240	1290
03/15/07	8.19	3.23	0.109	0.0734	**0.250**	**0.250**	5.34	5.15	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.53**	**2.79**	0.1340	0.0968	18500	17200	0.239	**0.100**	0.0556		0.827		29.8	**10.0**	13.1	0.201	3350	3110
03/31/07																														
04/20/07	16.1	7.27	**0.0258**		**0.155**	**0.155**	1.96	2.22	**0.0125**	**0.0125**	**0.0075**	**0.0172**	**1.25**	**1.25**	**0.0075**	**0.0075**	5800	6200	0.367	0.446	0.0372		0.278		95.1	69.8	**0.0155**		1090	1170
05/11/07	72.9	13.3	**0.0264**	**0.0270**	**0.155**	**0.334**	2.95	2.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4370	4500	0.493	**0.0500**	0.0710	0.0892	1.13		264	104	**0.050**	0.112	796	809
06/17/07	12.2	7.83	**0.0250**	**0.0250**	**0.155**	**0.155**	2.20	2.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5380	5600	0.257	**0.100**	0.0266	0.0306	0.418		59.8	69.3	0.246	**0.050**	973	1080
07/12/07	7.09	3.69	**0.0250**	**0.0250**	**0.155**	**0.155**	1.95		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5520	5870	**0.175**	**0.152**	0.0278	0.0298	0.195		47.3	37.8	**0.0155**	**0.0155**	976	1100
08/15/07	5.92	3.33	**0.0230**	**0.0248**	**0.155**	**0.155**	1.69		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5260	5480	**0.0500**	0.264	0.0272	0.0424	0.197		41.7	39.0	**0.0155**	**0.0155**	965	984
09/15/07	50.8	15.0	**0.0224**	**0.0316**	**0.155**	**0.155**	3.15	3.32	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5120	5410	0.230	0.233	0.0560	0.0326	1.26	1.08	193	73.0	**0.050**	**0.050**	782	837
10/13/07	9.89		**0.0264**	**0.0246**	**0.155**	**0.155**	3.00	3.32	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5690	5840	0.407	0.427	0.0468	0.0574	0.848	0.881	59.6		**0.050**	**0.050**	995	1030
11/09/07	30.1	9.68	**0.0240**	**0.0220**	**0.155**	**0.155**	2.77	2.62	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5390	5250	0.300	**0.100**	0.0490	0.0360	0.753	0.861	158	72.5	**0.050**	**0.050**	1010	953
12/08/07	21.9	5.25	**0.0238**	**0.0075**	**0.155**	**0.155**	2.79	2.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6230	5120	0.273	**0.0500**	0.0430	0.0414	0.459		109	56.0	**0.0155**	**0.050**	1100	957
01/21/08	16.6	**1.00**	**0.0244**	**0.0304**	**0.155**	**0.155**	2.02		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6200	6610	**0.100**	0.201	0.0246	**0.0170**	0.202		56.8	24.6	**0.0155**	**0.050**	1140	1210
02/18/08	19.5	2.09	**0.0250**	**0.0250**	**0.155**	**0.155**	1.89	1.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6440	6210	0.248	0.370	0.0266	0.0240	0.208		77.0	34.1	**0.0155**	**0.050**	1130	1110
03/12/08	3.99	**1.00**	**0.0210**	**0.0244**	**0.155**	**0.155**	1.60	1.64	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6100	5730	**0.0500**	**0.112**	0.0216	0.0234	0.139		52.7	38.4	**0.0155**	**0.0350**	1130	1100
03/26/08																														
04/19/08	11.0	2.12	**0.0075**	**0.0075**	**0.155**	**0.155**	1.94	1.98	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6660	6530	0.390	0.412	0.0266	0.0301	0.293		70.1	43.1	**0.0155**	**0.0155**	1330	1310
05/27/08	98.1	16.7	**0.0075**	**0.0075**	**0.155**	**0.155**	2.98	2.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0155**	**0.0075**	3760	3750	**0.100**	0.218	0.0812	0.0362	1.22	1.21	267	94.6	**0.050**	**0.0155**	697	691
06/15/08	40.1	14.7	**0.0075**	**0.0075**	**0.155**	**0.155**	2.63	2.23	**0.0125**	**0.0125**	0.0525	**0.0232**	**1.25**	**1.25**	**0.0075**	**0.0250**	4210	3990	0.327	0.230	0.0416	0.0276	1.21	1.05	128	60.0	0.134	**0.050**	720	684
07/18/08	21.8	6.29	**0.0266**	**0.0273**	**0.319**	**0.155**	2.41	2.70	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5170	5230	**0.100**	**0.100**	0.0352	0.0248	0.909	0.728	154	51.6	**0.031**	**0.0155**	900	936
08/20/08	7.77	3.50	**0.023**	**0.0179**	**0.155**	**0.155**	2.32	2.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6540	6060	**0.125**	0.251	0.0244	0.0205	0.333	0.343	54.9	33.9	**0.0155**	**0.0155**	1210	1120
09/16/08	16.7	9.65	**0.0179**	**0.0216**	**0.155**	**0.155**	2.06	2.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4720	5420	**0.0500**	**0.100**	0.0294	0.0275	0.750	0.785	106	62.7	**0.0155**	**0.0155**	820	952
10/18/08	25.2	6.80	**0.0221**	**0.028**	**0.155**	**0.155**	2.83	2.82	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5920	5930	0.247	0.216	0.0444	0.0348	0.768	0.704	124	48.0	**0.0369**	**0.0155**	1060	1090
11/18/08	6.63	3.23	**0.0075**	**0.0075**	**0.155**	**0.155**	2.37	2.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6220	6060	0.324	0.205	0.0253	0.0213	0.342	0.319	70.3	33.8	**0.0155**	**0.0155**	1200	1210
12/07/08	12.7	2.67	**0.0075**	**0.0075**	**0.155**	**0.155**	2.14	1.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5890	5560	**0.0500**	0.203	0.0287	0.0217	0.256	0.152	77.2	31.6	**0.0155**	**0.0155**	1140	1040
Mean	25.7	7.13	0.0470	0.024	0.210	0.194	2.56	2.65	0.0152	0.0126	0.0109	0.0079	1.28	1.35	0.0135	0.0127	5960	5970	0.215	0.189	0.0435	0.0380	0.602	0.623	112	53.0	0.4568	0.0572	1100	1110
Median	16.6	4.98	0.0244	0.025	0.155	0.155	2.37	2.51	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5800	5730	0.230	0.202	0.0400	0.0348	0.418	0.710	78.0	45.6	0.0500	0.0350	1060	1080
St. Deviation	30.9	6.02	0.1370	0.014	0.287	0.190	0.840	0.850	0.0183	0.0029	0.0119	0.0035	0.300	0.420	0.0214	0.0154	2330	2150	0.125	0.122	0.0192	0.0153	0.401	0.327	72.0	28.3	2.2054	0.0709	430.0	400.0
# of values	35	34	35	34	35	35	35	29	35	35	35	35	35	35	35	35	35	35	35	32	35	33	35	22	35	34	35	29	35	35
Minimum	3.99	1.00	0.0075	0.0075	0.125	0.125	1.60	1.64	0.0075	0.0075	0.00155	0.00155	0.750	0.750	0.0075	0.0075	3340	3380	0.0500	0.0500	0.0216	0.0170	0.139	0.152	29.8	10.0	0.0155	0.0155	678	641
Maximum	160	25.9	0.825	0.0734	1.85	1.27	5.46	5.56	0.120	0.0276	0.0598	0.0232	2.53	2.90	0.134	0.0968	18500	17200	0.493	0.446	0.100	0.0892	1.53	1.21	291	145	13.1	0.306	3350	3110
% of values undetected	0%	9%	43%	47%	94%	94%	0%	0%	100%	97%	89%	94%	94%	91%	94%	97%	0%	0%	34%	41%	0%	0%	0%	0%	0%	3%	69%	79%	0%	0%
# of values between MDL and PQL	0	0	17	14	1	1	0	0	0	1	2	2	2	3	1	0	0	0	3	2	0	1	0	0	0	1	3	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.060	0.060	NA	NA	10.98	10.56276	NA	NA	1.647	1.581	1000	1000	0.240	0.261	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	3%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100B1																									
Sample Date																									
09/17/05	12.2	7.95	**0.0025**		0.162	0.186	0.324		375	405	**0.0775**	**0.0775**	4500	**0.0031**	**0.0031**	2450	2570	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.233**	**0.100**	3.05	1.63
10/29/05	19.9	16.8	**0.000450**		0.347		0.204		278	270	**0.0775**	**0.0775**	5590	**0.0031**	**0.0031**	1950	2020	**0.0031**	**0.0031**	**0.031**	**0.031**	0.759	**0.353**	1.90	1.53
02/07/06	6.83	4.95	**0.000475**		0.383	0.327	0.243	0.412	327	347	**0.155**	**0.155**	4930	**0.0031**	**0.0031**	2150	2210	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.250**	1.97	
03/14/06	4.86	4.69	**0.000475**		0.353	0.360	**0.174**		341	355	**0.155**	**0.155**	5440	**0.0031**	**0.0031**	2650	2370	**0.0050**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.250**	3.58	
04/04/06																									
05/21/06	15.7	8.73	**0.00250**		0.364		**0.100**		408	397	**0.155**	**0.155**	3040	**0.0031**	**0.0031**	1450	1490	**0.0025**		**0.0155**	**0.0664**	0.864	**0.245**	3.51	2.97
06/18/06	8.59	6.20	**0.000475**		0.531	0.469	0.329		271	280	**0.155**	**0.155**	3760	**0.0031**	**0.0031**	1760	1860	0.0130	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.19	2.24
07/22/06	6.46	6.33	**0.000475**		0.418	0.453	**0.100**		304	316	**0.155**	**0.155**	5100	**0.0310**	**0.0031**	2070	2250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	4.63	4.94
08/17/06	10.1	5.99	**0.000475**		0.461	0.423	0.231		216	184	**0.155**	**0.155**	3920	**0.0031**	**0.0031**	1890	1760	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.95	1.66
09/13/06	10.9	9.51	**0.000475**		0.378	0.362	**0.182**		263	268	**0.155**	**0.155**	3840	**0.0031**	**0.0031**	1910	1930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.35	1.94
10/31/06	16.4	13.7	**0.00250**		0.417	0.417	**0.100**	**0.100**	255	278	**0.155**	**0.155**	4720	**0.0031**	**0.0031**	1860	2040	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.09	
12/10/06	4.44	3.97	**0.000475**		0.442	0.442	0.216	0.266	302	347	**0.155**	**0.155**	4910	**0.0031**	**0.0031**	2030	2140	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.541**	**0.250**	1.83	
01/15/07	4.86	3.94	**0.000169**		0.348	0.365	0.377	**0.100**	320	322	**0.155**	**0.155**	4790	**0.0031**	**0.0031**	2010	2100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.90	
02/17/07	5.29	5.39	**0.000169**		0.597	0.649	**0.100**	0.256	319	352	**0.155**	**0.155**	5030	**0.0031**	**0.0031**	2070	2180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.12	
03/15/07	9.98	10.7	**0.000169**		1.19	1.10	0.504		968	892	**0.428**	**0.320**	12900	**0.0031**	**0.0031**	5930	5550	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.500**	7.52	8.47
03/31/07																									
04/20/07	10.5	11.5	**0.000415**		0.818	0.851	**0.100**		353	380	**0.155**	**0.155**	4780	**0.0031**	**0.0031**	2050	2190	**0.0050**	**0.0050**	**0.050**		**0.155**	**0.155**	1.23	
05/11/07	16.9	11.8	**0.000568**		0.417	0.430	0.257		343	349	**0.155**	**0.155**	3510	**0.0031**	**0.0031**	1590	1630	**0.0112**	0.0304	**0.050**	**0.050**	**0.448**	**0.602**	3.27	3.77
06/17/07	4.95	4.50	**0.000169**		0.417	0.438	**0.100**	0.284	279	333	**0.155**	**0.155**	4730	**0.0031**	**0.0031**	1970	2110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.69	
07/12/07	3.87	3.86	**0.00250**		0.413	0.449	**0.100**	0.233	289	325	**0.155**	**0.155**	5000	**0.0031**	**0.0031**	1980	2160	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
08/15/07	5.67	5.56	**0.000169**		0.395	0.419	**0.100**	0.263	251	281	**0.155**	**0.155**	4470	**0.0031**	**0.0031**	1910	1970	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
09/15/07	10.6	4.89	**0.00250**		0.423	0.437	**0.100**		249	281	**0.155**	**0.155**	3840	**0.0031**	**0.0031**	1890	1960	**0.0122**	**0.0050**	**0.050**	**0.050**	**0.465**	**0.405**	2.28	2.21
10/13/07	11.0		**0.000693**		0.396	0.440	0.513	0.228	272	275	**0.155**	**0.155**	5290	**0.0031**	**0.0031**	1890	1940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.92	2.27
11/09/07	11.0	8.14	**0.00250**		0.509	0.494	0.225	0.392	256	255	**0.155**	**0.155**	4720	**0.0031**	**0.0031**	1980	1930	**0.0164**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.66
12/08/07	8.01	6.01	**0.000169**		0.534	0.477	1.45	0.356	280	249	**0.155**	**0.155**	4820	**0.0031**	**0.0031**	2200	1940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
01/21/08	4.04	2.61	**0.00075**		0.376	0.375	**0.100**	**0.100**	314	350	**0.155**	**0.155**	5220	**0.0031**	**0.0031**	2150	2240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.76
02/18/08	4.87	3.51	**0.00075**		0.364	0.360	**0.100**		315	312	**0.155**	**0.155**	4990	**0.0031**	**0.0031**	2050	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
03/12/08	4.25	3.95	**0.00075**		0.399	0.393	**0.100**		294	291	**0.155**	**0.155**	4800	**0.0031**	**0.0031**	1910	1900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
03/26/08																									
04/19/08	5.15	4.97	**0.00075**		0.383	0.391	0.211		318	326	**0.155**	**0.155**	5640	**0.0031**	**0.0031**	2320	2320	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.03	
05/27/08	19.2	9.63	**0.0015**		0.123	0.0972	**0.100**	0.369	310	316	**0.155**	**0.155**	3530	**0.0031**	**0.0031**	1430	1440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.472**	**0.155**	3.42	3.13
06/15/08	8.27	4.99	**0.00075**		0.415	0.375	**0.100**	0.341	238	239	**0.155**	**0.155**	3460	**0.0031**	**0.0031**	1630	1550	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.341**	**0.155**	2.87	3.40
07/18/08	8.43	5.61	**0.00075**		0.432	0.446	0.204	0.246	240	255	**0.155**	**0.155**	3850	**0.0031**	**0.0031**	1820	1800	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.34	1.43
08/20/08	5.49	4.39	**0.00075**		0.419	0.365	**0.100**	0.226	307	298	**0.155**	**0.155**	4630	**0.0031**	**0.0031**	2310	2110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.36	2.31
09/16/08	5.47	4.70	**0.00075**		0.391	0.443	**0.100**	0.284	214	250	**0.155**	**0.155**	4400	**0.0031**	**0.0031**	1780	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.04	
10/18/08	9.62	7.43	**0.00075**		0.413	0.415	0.221	0.263	291	289	**0.155**	**0.155**	5120	**0.0031**	**0.0031**	2090	2120	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.64	
11/18/08	4.41	3.74	**0.00276**		0.340	0.303	0.306	0.301	313	315	**0.155**	**0.155**	5430	**0.0031**	**0.0031**	2200	2180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.41	2.20
12/07/08	6.03	4.57	**0.00075**		0.570	0.516	**0.190**	**0.153**	307	286	**0.155**	**0.155**	5080	**0.0031**	**0.0031**	2130	1930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.52	**0.500**
Mean	8.69	6.62	0.000949	NA	0.438	0.438	0.227	0.259	314	322	0.158	0.155	4850	0.0039	0.0031	2100	2110	0.0057	0.0054	0.045	0.046	0.254	0.209	2.00	2.43
Median	8.01	5.48	0.000750	NA	0.413	0.423	0.182	0.263	302	312	0.155	0.155	4790	0.0031	0.0031	1980	2040	0.0050	0.0050	0.050	0.050	0.155	0.155	1.69	2.20
St. Deviation	4.47	3.25	0.000847	NA	0.173	0.169	0.241	0.0920	121	110	0.0500	0.0340	1550	0.0047	0	710.0	650.0	0.0029	0.0045	0.012	0.011	0.184	0.108	1.45	1.76
# of values	35	34	35	0	35	33	35	20	35	35	35	35	35	35	35	35	35	35	34	35	34	35	35	35	21
Minimum	3.87	2.61	0.000169	NA	0.123	0.0972	0.100	0.100	214	184	0.0775	0.0775	3040	0.0031	0.0031	1430	1440	0.0025	0.0025	0.0155	0.0155	0.110	0.100	0.500	0.500
Maximum	19.9	16.8	0.00276	NA	1.19	1.10	1.45	0.412	968	892	0.428	0.320	12900	0.031	0.0031	5930	5550	0.0164	0.0304	0.050	0.0664	0.864	0.602	7.52	8.47
% of values undetected	0%	0%	86%		0%	0%	46%	15%	0%	0%	97%	97%	0%	100%	100%	0%	0%	89%	97%	100%	97%	77%	89%	20%	14%
# of values between MDL and PQL	0	0	5		0	0	3	1	0	0	1	1	0	0	0	0	0	3	0	0	1	6	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	9.37	9.34	NA	NA	5	4.6	NA	0.1237041	0.105	NA	NA	NA	NA	NA	NA	NA	NA	21.46	21.16
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100B2																											
Sample Date																											
05/05/05	5.66	0.53	13.57	94.2	0.028	202.4	2.1	11.3	26.5	32.5	4.80	**4.00**	**7.00**	0.330			0.0442		0.671	**0.0155**	3.17	**0.00125**	**0.00125**	**0.240**			**0.0155**
06/03/05	6.66	9.52	11.59	101.6	0.038	126.1	0.77	13.7	37.0	28.8	0.80	**2.00**	10.5	**0.090**			0.0247		0.637	**0.0155**	4.67	**0.00125**	**0.00125**	**0.350**			**0.0155**
07/10/05	7.01	10.68	10.46	94.2	0.040	-185.9	0.54	18.4	41.0	22.5	1.00	**1.63**	15.8	0.171			0.0400		0.512	**0.0155**	4.29	**0.0025**	**0.0025**	**0.360**			**0.0155**
08/18/05	6.54	8.22	11.84	100.6	0.039	-221.0		14.0	37.5	33.8	**0.15**	**1.75**	13.5	0.295			**0.0071**		0.594	**0.0155**	3.64	**0.0025**	**0.0026**	**0.300**			**0.0155**
09/14/05	5.83	7.20	11.13	92.3	0.039	158.9	1.03	14.5	40.0	31.3	1.12	**2.63**	12.5	0.111			**0.0085**		0.729	**0.0155**	4.81	**0.00125**	**0.00125**	**0.250**			**0.0155**
10/29/05	6.00	1.36	13.91	98.9	0.043	172.4	0.91	17.5	45.5	22.5	0.90	**3.50**	14.5	0.284			**0.0110**		0.795	**0.0155**	6.35	**0.00125**	**0.00125**	**0.150**			**0.050**
02/08/06	7.41	0.68	10.52	69.4	0.031	-236.5	0.13	13.6	38.0	40.0	**0.075**	5.50	**9.00**	0.665			**0.0120**		0.696	**0.0155**	3.98	**0.00125**	**0.00125**	**0.0295**			0.153
05/21/06	5.60	1.51	10.47	74.6	0.027	181.5	0.96	9.8	27.0	18.8	5.71	6.50	**8.00**	0.374	**0.0155**	0.368	0.0395	**0.0155**	1.040	**0.0155**	2.64	**0.00125**	**0.00125**	**0.155**			**0.050**
06/18/06	6.05	9.10	8.80	76.4	0.036	164.0	0.48	15.2	38.0	30.0	2.80	**2.25**	12.0	**0.0850**	**0.0410**	**0.0440**	**0.0095**	**0.0155**	0.707	**0.0155**	4.76	**0.00125**	**0.00125**	**0.155**			**0.0155**
07/22/06	6.57	6.75	7.13	58.3	0.039	180.7	1.16	16.3	40.0	28.7	0.60	**3.75**	15.0	**0.0440**	**0.0155**	**0.0420**	**0.0059**	**0.05**	0.674	**0.0340**	3.94	**0.00105**	**0.0025**	**0.155**			**0.0500**
08/17/06	6.88	9.89	9.39	83.0	0.038	147.6	0.54	15.2	37.0	45.0	1.40	**1.57**	12.0	**0.0425**	**0.0155**	**0.0425**	0.0250	**0.05**	0.472	**0.0310**	4.35	**0.00075**	**0.00075**	**0.155**			**0.050**
09/13/06	6.41	7.44	9.70	80.8	0.043	132.0	0.76	15.9	42.0	33.8	1.26	**1.57**	15.0	**0.0730**	**0.0155**	**0.0685**	**0.0040**	**0.05**	0.682	**0.0770**	5.25	**0.00075**	**0.0025**	**0.155**			**0.0155**
10/31/06	7.12	0.79	12.15	85.1	0.044	128.3	0.91	16.8	45.0	32.5	0.83	**3.50**	13.0	0.132	**0.0155**	0.124	0.0200	**0.05**	0.718	**0.0155**	5.84	**0.00075**	**0.00075**	**0.155**			**0.050**
12/10/06	7.03	1.82	9.34	67.6	0.046		0.22	16.7	41.0	22.5	**0.1565**	**1.57**	20.0	0.204	**0.0155**	0.190	**0.00155**	**0.0155**	0.685	**0.0155**	5.58	**0.00075**	**0.0020**	**0.155**			**0.0155**
01/15/07	6.41	0.13	10.12	69.5	0.034	202.0	0.13	12.9	34.0	22.5	**0.404**	**1.57**	10.0	0.184	**0.0155**	0.180	**0.0060**	**0.0155**	0.704	**0.0155**	3.81	**0.00075**	**0.00075**	**0.155**			**0.050**
02/17/07	6.47	1.62	7.91	56.7	0.027	277.1	0.12	10.4	27.5	**7.50**	1.24	**1.57**	**10.0**	0.173	**0.0155**	0.155	**0.00155**	**0.05**	0.744	**0.0155**	2.37	**0.0025**	**0.0030**	**0.155**			**0.0332**
05/11/07	6.28	3.55	11.82	89.5	0.033	156.3	1.06	12.8	34.0	13.8	2.40	**1.57**	11.5	0.181			0.0188		0.700	**0.0350**	3.33	**0.00075**	**0.0020**	**0.155**			**0.0155**
06/17/07	6.65	7.21	10.16	84.1	0.036	172.2	0.26	13.6	34.0	43.8	**0.208**	**1.57**	20.0	**0.0525**			**0.0050**		0.637	**0.0600**	3.26	**0.00075**	**0.00075**	**0.155**		1.14	**0.0155**
07/12/07	7.18	8.79	9.55	82.6	0.033	137.1	0.71	14.3	35.0	36.3	**0.0775**	**1.57**	13.2	0.146			**0.0050**		0.599	**0.0370**	3.00	**0.00075**	**0.00075**	**0.155**		0.960	**0.0155**
08/15/07	7.21	7.93	8.60	72.6	0.037	33.5	0.94	13.7	36.0	27.5	**0.222**	**1.57**	14.3	**0.0155**			**0.0036**		0.445	**0.0155**	3.13	**0.00075**	**0.00075**	**0.155**		1.06	**0.0155**
09/15/07	6.26	7.44	9.02	75.2	0.039	153.0	0.88	16.7	41.0	42.5	1.00	**1.57**	13.6	0.108			0.0252		0.555	**0.0155**	4.32	**0.00075**	**0.00075**	**0.155**		1.40	**0.050**
10/13/07	6.21	2.91	10.29	75.7	0.044	139.5	1.44	16.2	43.5	30.0	0.96	**1.57**	12.8	0.130			0.0133		0.637	**0.0155**	5.32	**0.00075**	**0.00075**	**0.155**		0.850	**0.0155**
11/09/07	6.81	1.47	9.63	68.7	0.040	128.4	0.77	16.8	43.0	35.0	1.00	**1.57**	12.4	0.144			**0.0050**		0.724	**0.0155**	5.19	**0.00075**	**0.00075**	**0.155**		1.45	**0.0155**
12/08/07	7.51	1.11	9.08	64.1	0.049	170.0	0.40	17.5	43.3	31.3	**0.625**	**1.57**	13.9	0.164			0.0115		0.616	**0.033**	4.48	**0.0015**	**0.0025**	**0.155**		0.583	**0.0585**
01/21/08	5.02	2.24	9.98	72.7	0.037	120.2	0.15	14.1	40.6	20.0	**0.158**	11.5	11.2	0.295			**0.0050**		0.634	**0.0155**	4.06	**0.00075**	**0.0022**	**0.155**		0.562	**0.0155**
02/18/08	5.85	0.58	8.97	62.4	0.035	266.4	0.11	11.9	38.3	40.0	**0.213**	**6.02**	10.2	0.147			0.0103		0.620	**0.0155**	3.39	**0.00075**	**0.0025**	**0.155**		**0.075**	**0.0155**
03/12/08	6.17	0.06	6.94	47.7	0.027	242.4	1.24	8.8	30.7	26.3	1.05	**6.24**	**9.54**	0.230			0.0153		0.624	**0.0155**	1.89	**0.0025**	**0.0025**	**0.155**		0.530	**0.050**
03/26/08	6.45	0.70	6.84	47.8	0.047	292.5																					
05/27/08	6.22	4.11	8.62	66.0	0.030	136.5	1.22	12.4	32.8	31.3	6.79	**1.57**	**9.30**	0.332			0.0318		0.594	**0.0155**	5.96	**0.0048**	**0.00075**	**0.320**		2.18	**0.0155**
06/15/08	7.20	7.17	6.83	56.5	0.032	165.4	1.28	11.7	31.8	33.8	1.08	**1.57**	10.1	0.218			**0.0062**		0.272	**0.0155**	1.84	**0.00075**	**0.00075**	**0.155**		1.43	0.108
07/18/08	6.86	7.98	7.40	62.4	0.038	175.1	1.08	15.0	39.3	32.5	1.22	**1.57**	13.3	**0.036**			0.0110		0.414	**0.035**	3.83	**0.0025**	**0.00075**	**0.155**		1.02	**0.050**
08/20/08	7.31	7.78	7.97	66.9	0.036	162.1	0.23	15.2	41.3	16.3	**0.076**	**1.57**	15.5	**0.050**			0.0143		0.511	**0.070**	4.05	**0.0025**	**0.00075**	**0.155**		0.597	**0.050**
09/17/08	6.37	6.38	10.01	81.3	0.041	191.3	0.40	14.9	44.7	28.8	**0.40**	**1.57**	14.4	**0.0635**			0.0190		0.510	**0.054**	4.13	**0.00075**	**0.00075**	**0.155**		1.89	**0.0155**
10/18/08	5.79	0.96	10.39	73.1	0.045	205.2	0.46	17.1	46.2	31.3	1.03	**1.57**	13.9	**0.095**			**0.0059**		0.689	**0.033**	5.13	**0.00075**	**0.00075**	**0.155**		1.05	**0.0155**
11/18/08	7.23	0.16	10.04	69.3	0.049	102.6	1.04	19.4	50.8	37.5	1.25	**3.46**	15.6	0.145			0.0110		0.659	**0.0155**	5.49	**0.00075**	**0.00075**	**0.155**		**0.252**	**0.050**
12/06/08	6.76	3.10	11.65	87.2	0.039	185.5	0.23	14.2	40.5	22.5	**0.153**	**5.06**	12.2	0.203			**0.00155**		0.564	**0.033**	3.61	**0.00075**	**0.00075**	**0.155**		**0.313**	**0.050**
Mean	6.53	4.4	9.77	75.3	0.038	136.1	0.7	14.5	38.0	29.5	1.23	2.83	12.7	0.172	0.0183	0.135	0.0140	0.0350	0.630	0.0254	4.14	0.00130	0.00140	0.177	NA	0.96	0.0356
Median	6.51	3.3	9.84	73.9	0.038	162.1	0.8	14.5	39.3	31.3	0.96	1.57	12.8	0.146	0.0155	0.124	0.0110	0.0500	0.637	0.0155	4.06	0.00075	0.00125	0.155	NA	0.99	0.0155
St. Deviation	0.58	3.5	1.75	14.1	0.006	119.7	0.5	2.40	6.00	8.50	1.56	2.17	2.90	0.127	0.0085	0.106	0.0110	0.0180	0.128	0.0167	1.12	0.00089	0.00080	0.065	NA	0.56	0.0296
# of values	36	36	36	36	36	35	34	35	35	35	35	35	35	35	9	9	35	9	35	35	35	35	35	35	0	18	35
Minimum	5.02	0.06	6.83	47.7	0.027	-236.5	0.11	8.83	26.5	7.5	0.075	1.57	7.00	0.0155	0.0155	0.0420	0.00155	0.0155	0.272	0.0155	1.84	0.00075	0.00075	0.0295	NA	0.075	0.0155
Maximum	7.51	10.68	13.91	101.6	0.049	292.5	2.10	19.4	50.8	45.0	6.79	11.5	20.0	0.665	0.0410	0.368	0.0442	0.0500	1.04	0.0770	6.35	0.0048	0.0030	0.360	NA	2.18	0.153
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	54%	0%	6%	89%	0%	20%	100%	0%	66%	0%	91%	86%	80%		6%	86%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	6	13	6	9	1	4	11	0	0	12	0	3	5	7		2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.03
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	50%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100B2																														
Sample Date																														
05/05/05	174	29.7	0.0274	**0.0152**	0.325	0.173	3.90	2.42	**0.00713**	**0.001495**	**0.00774**	**0.003835**	1.43		0.0237	**0.0100**	3560	3230	**0.03565**	**0.03565**	0.101	0.0374	1.41	0.901	305	91.7	0.186	0.190	582	540
06/03/05	48.3	8.59	0.0334	0.0314	**0.125**	**0.125**	2.43	2.20	**0.0075**	**0.0075**	**0.0050**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4230	4140	**0.0310**	**0.031**	0.0692	0.0430	1.11	0.919	157	54.6	**0.050**		768	744
07/10/05	17.9	6.43	**0.00155**		**0.125**	**0.416**	2.74	2.64	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	5670	5280	0.411	0.399	**0.00155**	**0.00155**	0.955	0.785	157	81.4	**0.0155**		1040	924
08/18/05	13.7	4.15	**0.00155**	**0.00155**	**0.125**	**0.330**	2.23		**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	4450	4590	0.256		0.0228	0.0268	0.370	0.352	20.7	**10.0**	**0.0155**		698	705
09/14/05	52.6	20.1	0.0338	0.040	**0.383**	**0.292**	3.02	2.96	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.30**	**1.55**	0.0716	**0.00775**	4510	4500	0.698		0.0898	0.0564	1.55	1.37	216	86.3	**0.050**		790	790
10/29/05	23.2	6.27	0.0544	0.0212	**0.125**	**0.414**	3.10	2.87	**0.0075**	**0.0075**	**0.0038**	**0.00155**	**5.00**	**4.70**	**0.00775**	**0.00775**	5440	5280	0.599	0.326	0.0992	0.104	0.936	0.65	205	46.3	**0.084**		963	962
02/08/06	24.4	17.8	0.0584	**0.0488**	**0.155**	**0.155**	2.14	1.89	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	4480	3880	0.381	0.319	0.0240	0.0282	0.365	0.399	**10.0**	**10.0**	7.98	0.315	594	556
05/21/06	118	19.0	**0.0250**	**0.0250**	**0.155**	**0.155**	2.97	2.26	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**2.12**	**0.0264**	**0.0125**	2890	2620	0.384	**0.100**	0.0902	0.0436	1.04	0.853	268	94.3	2.64	0.279	618	522
06/18/06	38.4	11.9	**0.0448**	**0.0342**	**0.155**	**0.155**	2.89	2.78	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.01**	**1.78**	**0.0284**	**0.0125**	4080	4170	**0.0500**	**0.0500**	0.0694	0.0466	1.35	1.11	170	63.7	0.210		764	786
07/22/06	8.03	5.58	**0.0198**	**0.0234**	**0.155**	**0.155**	2.61	2.68	**0.120**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5190	5070	0.529	0.659	0.0294	0.0334	0.503	0.394	29.1	25.1	**0.050**		807	781
08/17/06	36.8	18.7	**0.0190**	**0.0075**	**0.155**	**0.414**	3.14	2.65	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4720	4340	0.273	**0.0500**	0.0594	0.0432	1.56	1.13	185	77.1	**0.050**		839	785
09/13/06	16.6	10.7	**0.0250**	**0.0250**	**0.155**	**0.155**	2.75	2.85	**0.0125**	**0.0125**	**0.0250**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	4950	4800	**0.050**	0.229	0.0516	0.0438	0.959	1.07	153	78.2	**0.050**		874	842
10/31/06	28.1	6.45	**0.0075**	**0.0075**	**0.155**	**0.155**	3.29	3.57	**0.0125**	**0.0125**	**0.0166**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5120	5410	**0.100**	**0.0500**	0.0780	0.0572	1.06	0.790	173	49.5	**0.050**	**0.0155**	964	1030
12/10/06	5.02	3.00	**0.0075**	**0.0208**	**0.155**	**0.155**	2.81		**0.0125**	**0.0125**	**0.0150**	**0.0200**	**1.25**	**1.25**	**0.0185**	**0.0185**	5160	5790	**0.0500**	**0.0500**	0.0218	0.0284	0.371	0.412	59.4	20.3	**0.0155**	**0.050**	934	1100
01/15/07	7.25	3.31	**0.0250**	**0.0250**	**0.155**	**0.155**	2.96	2.70	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4130	4280	0.669	0.464	**0.0138**	0.0170	0.281	0.261	23.7	**7.28**	**0.0155**	**0.0554**	632	697
02/17/07	18.0	7.33	0.0904	**0.0250**	**0.155**	**0.155**	2.93		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3370	3820	**0.0500**		0.0358	0.0324	0.557	0.366	40.3	21.1	**0.0155**	**0.050**	493	574
05/11/07	88.8	16.6	**0.0242**	**0.0272**	**0.155**	**0.155**	3.34	3.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0156**	**0.0075**	3960	4490	0.536	0.499	0.0898	0.0476	1.59	1.12	345	115	0.123	**0.0155**	702	797
06/17/07	13.9	9.46	**0.0250**	**0.0250**	**0.155**	**0.155**	2.16	2.61	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4300	4700	0.245	**0.0500**	0.0208	**0.0190**	0.518	0.574	55.6	40.4	**0.050**	**0.0155**	704	827
07/12/07	6.55	4.33	**0.0075**	**0.0250**	**0.155**	**0.155**	2.14	2.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0168**	**0.0075**	4650	4790	0.225	0.250	0.0200	0.0230	0.267	0.260	21.3	**19.1**	**0.0155**	**0.0155**	659	732
08/15/07	10.5	5.34	**0.0164**	**0.0218**	**0.155**	**0.155**	1.96	2.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4420	4470	**0.0500**	**0.0500**	**0.0166**	0.0220	0.221	0.299	21.7	21.6	**0.0155**	**0.0155**	636	662
09/15/07	33.1	14.2	**0.0232**	**0.0312**	**0.325**	**0.155**	2.82	3.08	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5340	5730	0.205	0.251	0.0434	0.0330	1.59	1.01	143	62.4	**0.050**	**0.0155**	827	899
10/13/07	36.0	9.95	**0.0240**	**0.0286**	**0.155**	**0.155**	3.26	3.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5050	5300	0.338	0.411	0.0626	0.0468	0.987	0.818	157	76.1	**0.050**	**0.050**	874	939
11/09/07	32.8	10.5	**0.0238**	**0.0250**	**0.155**	**0.155**	3.12	2.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0178**	**0.0075**	5180	5130	0.272	0.241	0.0576	0.0426	1.03		182	89.5	**0.050**	**0.050**	937	937
12/08/07	15.5	9.23	**0.0176**	**0.0246**	**0.155**	**0.155**	3.10	3.22	**0.0125**	**0.0125**	**0.0075**	**0.0196**	**1.25**	**1.25**	**0.0075**	**0.0075**	5450	5520	**0.100**	0.234	0.0480	0.0552	0.601		117	73.6	**0.050**	**0.050**	939	1020
01/21/08	8.49	2.80	**0.0164**	**0.0168**	**0.155**	**0.155**	2.00	2.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0222**	4550	4310	0.338	0.290	**0.0158**	**0.0114**	0.234		20.4	**11.7**	**0.0155**	**0.050**	662	633
02/18/08	5.63	2.42	**0.0075**	**0.0075**	**0.155**	**0.155**	1.70	1.71	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3890	3920	0.218	**0.100**	**0.0100**	**0.0050**	0.180	0.182	**19.9**	**13.8**	**0.0155**	**0.0155**	525	542
03/12/08	69.5	7.14	**0.0194**	**0.0075**	**0.155**	**0.155**	2.62	2.47	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0192**	**0.0075**	2840	2690	**0.112**	**0.0500**	0.0760	**0.0186**	0.483		129	**15.8**	**0.0936**		421	407
03/26/08																														
05/27/08	168	16.9	**0.0075**	**0.0075**	**0.411**	**0.155**	3.98	2.77	**0.0125**	**0.0125**	**0.0417**	**0.0075**	**1.25**	**1.25**	**0.0202**	**0.0181**	3810	3430	0.202	**0.100**	0.124	0.0344	1.93	1.40	385	92.4	0.186	**0.0155**	710	612
06/15/08	52.3	15.1	**0.0075**	**0.0075**	**0.155**	**0.155**	2.44	2.27	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3650	3800	0.242	0.217	0.0497	0.0263	1.22	1.37	150	61.1	**0.050**	**0.0155**	637	663
07/18/08	29.0	6.74	**0.0244**	**0.0226**	**0.155**	**0.155**	2.53	2.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4660	4470	**0.100**	**0.100**	0.0395	0.0232	1.05	0.77	196	48.8	**0.034**	**0.0155**	815	776
08/20/08	7.89	5.38	**0.0075**	**0.0075**	**0.155**	**0.155**	2.14	2.57	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4780	4900	0.222	0.214	**0.0161**	**0.0191**	0.414		44.0	32.9	**0.0155**	**0.0155**	781	808
09/17/08	20.8	8.64	**0.0165**	**0.0209**	**0.155**	**0.155**	2.40	2.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4690	4370	**0.100**	**0.0500**	0.0268	0.0235	1.16	0.886	113	38.9	**0.0314**	**0.0155**	765	737
10/18/08	32.0	8.28	**0.0189**	**0.0247**	**0.155**	**0.155**	2.98	3.03	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5320	5470	0.247	**0.197**	0.0519	0.0368	1.07	0.819	131	48.1	0.107	**0.0155**	936	980
11/18/08	13.3	5.13	**0.0075**	**0.0075**	**0.155**	**0.155**	3.14	2.81	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5930	5210	0.454	0.285	0.0290	**0.0187**	0.61	0.439	108	31.9	**0.0155**	**0.075**	1110	996
12/06/08	5.35	2.99	**0.0075**	**0.0075**	**0.155**	**0.155**	2.03	2.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4500	4290	**0.114**	**0.0500**	**0.0150**	**0.0122**	0.334	0.418	21.7	**8.33**	**0.0155**	**0.0155**	721	721
Mean	36.6	9.72	0.0222	0.021	0.175	0.186	2.74	2.64	0.0147	0.0114	0.0093	0.0077	1.57	1.51	0.01416	0.0103	4540	4520	0.254	0.200	0.0477	0.0332	0.853	0.738	130	49.1	0.3560	0.0573	763	772
Median	23.2	8.28	0.0194	0.023	0.155	0.155	2.81	2.65	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0075	4550	4490	0.225	0.210	0.0434	0.0324	0.955	0.788	131	48.1	0.0500	0.0155	765	781
St. Deviation	41.6	6.24	0.0178	0.011	0.070	0.080	0.530	0.450	0.0184	0.0025	0.0075	0.0048	1.02	0.870	0.01188	0.0046	740.0	790.0	0.188	0.16	0.0313	0.0188	0.484	0.361	98.0	30.9	1.398	0.0812	158	167
# of values	35	35	35	34	35	35	35	32	35	35	35	35	35	34	35	35	35	35	35	32	35	35	35	30	35	35	35	25	35	35
Minimum	5.02	2.42	0.00155	0.00155	0.125	0.125	1.70	1.71	0.00713	0.001495	0.00155	0.00155	0.750	0.750	0.0075	0.0075	2840	2620	0.031	0.031	0.00155	0.00155	0.180	0.182	10.0	7.28	0.0155	0.0155	421	407
Maximum	174	29.7	0.0904	0.0488	0.411	0.416	3.98	3.57	0.120	0.0125	0.0417	0.0250	5.00	5.00	0.0716	0.0222	5930	5790	0.698	0.659	0.124	0.104	1.93	1.40	385	115	7.98	0.315	1110	1100
% of values undetected	0%	0%	43%	47%	89%	83%	0%	0%	97%	100%	83%	94%	91%	91%	74%	94%	0%	0%	31%	47%	6%	6%	0%	0%	3%	6%	69%	80%	0%	0%
# of values between MDL and PQL	0	0	14	15	3	5	0	0	1	0	6	2	2	3	7	2	0	0	2	1	5	6	0	0	1	6	4	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.050	0.050	NA	NA	10.98	10.56276	NA	NA	1.328	1.275	1000	1000	0.174	0.196	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	20%	10%	0%	0%	14%	8%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100B2																									
Sample Date																									
05/05/05	21.6	10.5	**0.000147**		0.266	0.200	0.150		304	293	**0.074**	**0.0650**	3270	**0.00435**	**0.001435**	1770	1180	**0.002125**	**0.002125**	**0.0641**	**0.0302**	0.699	0.196	2.72	2.81
06/03/05	14.6	10.4	**0.000450**		0.376	0.375	0.262		221	223	**0.0775**	**0.0775**	3180	**0.0031**	**0.0031**	1790	1830	**0.0031**	**0.0031**	**0.031**	**0.031**	0.521	**0.100**	1.70	2.17
07/10/05	6.34	3.27	**0.000450**		0.421	0.421	0.162		265	250	**0.0775**	**0.0775**	3650	**0.0031**	**0.0031**	2360	2120	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.203**	**0.219**	2.70	
08/18/05	2.07	1.69	**0.000450**		0.183	0.138	0.204		202	214	**0.0775**	**0.0775**	4800	**0.0031**	**0.0031**	2090	2120	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.227**	**0.220**	5.09	3.19
09/14/05	13.2	6.70	**0.000450**		0.408	0.387	0.330		290	299	**0.0775**	**0.0775**	4550	**0.0031**	**0.0031**	1760	1790	**0.0106**	**0.0031**	**0.031**	**0.031**	**0.361**	0.410	6.08	5.65
10/29/05	27.0	24.6	**0.000450**		0.241		0.284		258	253	**0.0775**	**0.0775**	5270	**0.0031**	**0.0031**	1960	2070	**0.0031**	**0.0031**	**0.031**	**0.031**	0.516	**0.100**	1.87	1.74
02/08/06	1.90	1.52	**0.000475**		0.261	0.242	0.220		204	194	**0.155**	**0.155**	4220	**0.0031**	**0.0031**	1880	1820	**0.0025**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	4.13	3.63
05/21/06	16.7	8.65	**0.00250**		0.180		0.202		436	398	**0.155**	**0.155**	2400	**0.0031**	**0.0031**	1360	1270	**0.0025**	**0.0098**	**0.0155**	**0.0314**	0.692	**0.110**	5.59	4.60
06/18/06	8.96	5.71	**0.00250**		0.471	0.398	0.320		256	268	**0.155**	**0.155**	3170	**0.0031**	**0.0031**	1680	1790	0.0174	**0.0054**	**0.0434**	**0.0796**	**0.250**	**0.110**	2.68	3.16
07/22/06	2.76	2.07	**0.000475**		0.334	0.327	**0.100**		232	228	**0.155**	**0.155**	4630	**0.0310**	**0.0031**	2180	2190	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.82	3.40
08/17/06	10.8	5.28	**0.00250**		0.384	0.337	0.215	0.404	192	171	**0.155**	**0.155**	3890	**0.0031**	**0.0031**	1850	1810	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.86	2.10
09/13/06	14.3	11.5	**0.000475**		0.366	0.379	**0.192**	0.389	237	228	**0.155**	**0.155**	3450	**0.0031**	**0.0031**	1820	1840	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.538**	**0.250**	1.29	2.00
10/31/06	20.5	16.9	**0.000475**		0.313	0.310	**0.100**	**0.100**	249	264	**0.155**	**0.155**	4540	**0.0031**	**0.0031**	1920	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.87	
12/10/06	2.69	2.43	**0.000475**		0.295	0.317	0.215	0.316	269	325	**0.155**	**0.155**	4690	**0.0031**	**0.0031**	1940	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.87	
01/15/07	1.63	1.14	**0.000169**		0.259	0.215	**0.100**	**0.100**	209	245	**0.155**	**0.155**	4410	**0.0031**	**0.0031**	1870	1930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.45	
02/17/07	6.48	3.67	**0.000364**		0.163	0.212	**0.100**	**0.100**	172	203	**0.155**	**0.155**	3950	**0.0031**	**0.0031**	1690	1730	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.342**	**0.155**	2.63	
05/11/07	22.6	14.8	**0.000734**		0.395	0.391	0.274	0.289	372	410	**0.155**	**0.155**	3150	**0.0031**	**0.0031**	1480	1610	**0.0104**	**0.0050**	**0.050**	**0.050**	**0.507**	**0.155**	2.48	3.33
06/17/07	2.71	2.02	**0.000169**		0.384	0.417	**0.100**	0.237	209	241	**0.155**	**0.155**	4260	**0.0031**	**0.0031**	1890	2100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.350**	**0.155**	**0.500**	1.32
07/12/07	1.25	1.14	**0.00250**		0.335	0.343	**0.100**	0.219	202	225	**0.155**	**0.155**	4580	**0.0031**	**0.0031**	2020	2110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.65	1.11
08/15/07	1.59	1.06	**0.00250**		0.328	0.337	**0.100**		156	171	**0.155**	**0.155**	4210	**0.0031**	**0.0031**	1990	1960	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.333**	**0.324**	1.06	
09/15/07	9.04	5.57	**0.00250**		0.440	0.457	**0.100**	0.293	271	290	**0.155**	**0.155**	4420	**0.0031**	**0.0031**	1890	2010	**0.0106**	**0.0050**	**0.050**	**0.050**	**0.364**	**0.155**	3.05	2.77
10/13/07	16.2	12.7	**0.000569**		0.351	0.358	0.201	0.266	237	261	**0.155**	**0.155**	4730	**0.0031**	**0.0031**	1700	1780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.41	2.93
11/09/07	13.5	9.99	**0.00250**		0.341	0.344	0.247		250	263	**0.155**	**0.155**	4720	**0.0031**	**0.0031**	1890	1930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.90	2.31
12/08/07	9.08	8.21	**0.000344**		0.325	0.328	0.238		243	265	**0.155**	**0.155**	5430	**0.0031**	**0.0031**	2030	2240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.92	2.76
01/21/08	1.46	0.840	**0.00075**		0.269	0.261	**0.100**	0.254	222	225	**0.155**	**0.155**	4540	**0.0031**	**0.0031**	1820	1750	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.01	1.91
02/18/08	1.03	0.644	**0.00075**		0.230	0.225	**0.100**	**0.100**	183	185	**0.155**	**0.155**	4060	**0.0031**	**0.0031**	1580	1600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.04	**0.500**
03/12/08	16.5	1.55	**0.00075**		0.159	0.141	**0.100**		149	151	**0.155**	**0.155**	3470	**0.0031**	**0.0031**	1390	1340	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.26	
03/26/08																									
05/27/08	26.9	10.8	**0.00075**		0.121	0.0569	0.244	0.275	344	308	**0.155**	**0.155**	3230	**0.0031**	**0.0031**	1500	1330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.643**	**0.155**	4.00	4.43
06/15/08	9.46	5.10	**0.00075**		0.348	0.366	**0.100**	0.212	222	236	**0.155**	**0.155**	3560	**0.0031**	**0.0031**	1500	1570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.338**	**0.155**	1.89	1.80
07/18/08	9.76	5.45	**0.00075**		0.423	0.402	0.217	0.230	200	197	**0.155**	**0.155**	3330	**0.0031**	**0.0031**	1760	1650	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.387**	**0.155**	1.33	1.41
08/20/08	1.91	1.46	**0.00075**		0.341	0.329	**0.100**	0.230	190	205	**0.155**	**0.155**	3780	**0.0031**	**0.0031**	1940	1960	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.61	
09/17/08	4.62	2.36	**0.00075**		0.367	0.325	**0.100**		191	193	**0.155**	**0.155**	3460	**0.0031**	**0.0031**	1850	1700	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.41	
10/18/08	10.8	7.92	**0.00207**		0.350	0.366	0.269	0.306	259	271	**0.155**	**0.155**	4760	**0.0031**	**0.0031**	1970	2040	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.04	
11/18/08	5.36	3.27	**0.00241**		0.308	0.256	0.345	0.346	300	274	**0.155**	**0.155**	5020	**0.0031**	**0.0031**	2300	2090	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.63	1.62
12/06/08	1.50	1.14	**0.00481**		0.298	0.259	**0.188**	**0.166**	225	221	**0.155**	**0.155**	4770	**0.0031**	**0.0031**	1950	1900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.21	1.46
Mean	9.62	6.06	0.001140	NA	0.315	0.310	0.180	0.242	241	247	0.142	0.141	4100	0.0039	0.0031	1840	1840	0.0054	0.0048	0.046	0.046	0.297	0.179	2.28	2.56
Median	9.04	5.10	0.000750	NA	0.334	0.329	0.192	0.246	232	241	0.155	0.155	4220	0.0031	0.0031	1870	1840	0.0050	0.0050	0.050	0.050	0.250	0.155	1.87	2.31
St. Deviation	7.74	5.48	0.001075	NA	0.0850	0.0920	0.0800	0.0930	59.0	57.0	0.0300	0.0300	710.0	0.0047	0.00030	230.0	270.0	0.0028	0.0012	0.010	0.011	0.170	0.0640	1.30	1.20
# of values	35	35	35	0	35	33	35	20	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	25
Minimum	1.03	0.644	0.000147	NA	0.121	0.0569	0.100	0.100	149	151	0.074	0.0650	2400	0.0031	0.001435	1360	1180	0.002125	0.002125	0.0155	0.0155	0.110	0.100	0.500	0.500
Maximum	27.0	24.6	0.00481	NA	0.471	0.457	0.345	0.404	436	410	0.155	0.155	5430	0.0310	0.0031	2360	2240	0.0174	0.0098	0.0641	0.0796	0.699	0.410	6.08	5.65
% of values undetected	0%	0%	80%		0%	0%	40%	20%	0%	0%	97%	97%	0%	97%	100%	0%	0%	89%	94%	94%	94%	54%	86%	3%	4%
# of values between MDL and PQL	0	0	7		0	0	2	1	0	0	1	1	0	1	0	0	0	3	2	2	2	12	3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	7.57	7.55	NA	NA	5	4.6	NA	0.0801673	0.068	NA	NA	NA	NA	NA	NA	NA	NA	17.33	17.09
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100C																											
Sample Date																											
04/28/04	6.02	3.71	10.63		0.025			10.7	32.0	37.5	**0.075**	**1.57**	**8.5**	0.198			**0.0155**		0.843	**0.0155**	3.55	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/18/04	6.75	3.58			0.021	78.0	15.0	10.5	32.0	28.9	4.90	**1.57**	**7.50**	0.119			**0.0330**		0.642	**0.0410**	4.43	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/03/04													11.0														
06/15/04	6.91	10.33	10.43		0.050	4.0		16.5	60.0	51.3	1.20	**1.57**	15.5	**0.0320**			**0.0155**		0.640	**0.0540**	6.73	**0.0047**	**0.00125**	**0.065**			0.105
07/13/04	7.09	18.67	7.68		0.059	290.0	0.20	19.5	55.0	35.0	0.70	**1.57**	22.0	**0.155**			**0.0155**		0.693	**0.061**	5.90	**0.00125**	**0.00125**	**0.065**			**0.0155**
10/16/04	7.12	4.30	14.35	110.3	0.048			15.3	55.0	17.5	1.40	**1.57**	12.0	**0.155**			**0.0155**		1.030	**0.0155**	7.80	**0.00125**	**0.00125**	**0.170**			**0.0155**
01/28/05	6.35		2.22		0.071	56.0	4.4	22.0	65.0	48.8	**0.075**	**0.785**	17.5	0.730			0.0421		0.792	**0.037**	9.58	**0.00125**	**0.00125**	**0.170**			**0.0155**
05/08/05	6.10	5.78	10.33	82.7	0.034	185.9	3.83	13.0	30.0	27.5	5.60	**2.88**	**8.00**	1.190			0.0440		0.651	**0.0155**	4.64	**0.00125**	**0.00125**	**0.680**			**0.0155**
06/04/05	6.16	8.79	10.91	93.9	0.041	130.0	1.24	14.4	41.5	27.5	2.40	**2.00**	**9.50**	**0.050**			0.0165		0.639	**0.0155**	5.12	**0.00125**	**0.00125**	**0.230**			**0.0155**
07/08/05	6.56	18.11	8.83	93.3	0.050	-62.1	0.69	19.1	48.5	36.3	0.97	**0.785**	16.5	**0.0155**			0.0310		0.513	**0.035**	5.33	**0.00125**	**0.00125**	**0.260**			**0.0155**
09/14/05	6.35	8.05	11.17	94.5	0.043	147.1	1.55	16.6	43.5	35.0	2.09	**2.50**	13.0	**0.050**			**0.0085**		0.771	**0.0155**	5.84	**0.00125**	**0.0025**	**0.330**			**0.042**
10/29/05	6.72	0.41	12.78	88.3	0.051	175.6	0.99	19.9	55.0	17.5	0.90	**3.00**	15.0	0.100			**0.0099**		0.835	**0.051**	7.78	**0.00125**	**0.00125**	**0.200**			**0.050**
05/23/06	6.04	0.03	9.00	61.6	0.023	161.8	2.45	7.7	24.0	32.5	3.57	**4.25**	**6.00**	**0.0840**	**0.0155**	**0.0840**	0.0390	**0.0155**	0.854	**0.0155**	2.67	**0.00125**	**0.00125**	**0.380**			**0.0100**
06/18/06	6.72	10.78	8.76	79.1	0.042	44.0	0.80	16.6	41.0	30.0	1.63	**2.00**	12.0	0.103	**0.0555**	**0.0470**	0.0130	**0.0155**	0.677	**0.0330**	6.00	**0.00125**	**0.00125**	**0.155**			**0.0155**
07/22/06	7.70	14.75	4.72	46.5	0.049	176.2	0.71	18.9	46.0	37.5	0.51	**2.00**	16.0	**0.0785**	**0.0155**	**0.0775**	**0.0080**	**0.0155**	0.584	**0.0430**	6.38	**0.00105**	**0.0025**	**0.155**			**0.0710**
08/17/06	6.69	11.08	9.21	83.7	0.042	102.8	0.97	16.7	42.0	47.5	2.58	**1.57**	12.0	**0.0350**	**0.0155**	**0.0350**	0.0180	**0.0155**	0.438	**0.0360**	5.82	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/13/06	6.75	9.19	9.17	79.8	0.048	205.4	0.86	18.9	45.0	52.5	1.40	**1.57**	15.0	**0.0460**	**0.0155**	**0.0430**	**0.0090**	**0.05**	0.748	**0.0770**	6.92	**0.00075**	**0.00075**	**0.155**			**0.0155**
10/31/06	6.33	0.52	11.97	83.0	0.051	126.2	0.99	19.4	50.0	28.8	1.59	**1.57**	12.0	0.100	**0.0155**	**0.0875**	0.0190	**0.05**	0.740	**0.0155**	7.18	**0.00075**	**0.00075**	**0.155**			0.149
12/10/06	6.90	0.05	10.39	71.2	0.059	193.2	0.66	21.3	55.0	30.0	**0.1595**	**3.50**	24.0	0.146	**0.0155**	0.140	**0.0080**	**0.05**	0.813	**0.0155**	7.80	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/11/07	6.48	3.47	10.9	82.1	0.038	168.8	1.32	14.2	39.5	26.3	4.70	**1.57**	10.5	0.209			0.0235		0.679	**0.0370**	4.73	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/17/07	7.16	12.22	8.91	83.3	0.042	126.3	0.62	16.7	42.0	37.5	0.80	**1.57**	12.5	**0.0445**			**0.0050**		0.640	**0.0690**	5.80	**0.00075**	**0.00075**	**0.155**		1.56	**0.0155**
07/16/07	7.53	16.60	6.55	67.3	0.048	51.7	1.16	20.0	45.0	21.3	34.7	**1.57**	15.0	**0.0415**			0.0370		0.515	**0.0600**	13.3	**0.00075**	**0.00075**	**0.155**		2.05	**0.0155**
09/15/07	6.37	7.36	11.92	99.2	0.042	199.8	1.75	18.6	43.0	40.0	1.90	**1.57**	12.6	**0.0890**			0.0168		0.590	**0.0155**	5.92	**0.00075**	**0.00075**	**0.155**		2.28	**0.0155**
10/13/07	6.63	2.65	9.67	71.2	0.042	120.5	1.02	18.5	45.5	37.5	1.17	**1.57**	12.9	0.130			0.0136		0.649	**0.0155**	6.42	**0.00075**	**0.00075**	**0.155**		1.05	**0.0155**
11/09/07	4.79	0.81	11.34	79.5	0.045	219.9	1.14	17.5	46.0	30.0	2.37	**1.57**	11.9	0.111			0.0182		0.745	**0.0310**	6.12	**0.0025**	**0.00075**	**0.155**		1.30	**0.0155**
05/28/08		2.13	11.23	81.6	0.031	159.7	2.46	12.3	32.1	38.8	5.73	**1.57**	**8.56**	0.459			0.0405		0.602	**0.058**	4.20	**0.00075**	**0.00075**	**0.155**		2.32	**0.086**
Mean	6.59	7	9.70	81.6	0.044	133.1	2.04	16.6	45.0	34.1	3.30	1.89	13.0	0.179	0.0212	0.0730	0.0210	0.0303	0.693	0.0350	6.24	0.00123	0.00110	0.188	NA	1.76	0.0317
Median	6.66	7	10.4	82.4	0.043	147.1	1.1	16.7	45.0	35.0	1.60	1.57	12.3	0.100	0.0155	0.0775	0.0170	0.0155	0.677	0.0350	5.92	0.00125	0.00130	0.155	NA	1.81	0.0155
St. Deviation	0.58	6	2.60	14.0	0.011	78.2	3.1	3.60	10.0	9.40	6.70	0.78	4.00	0.260	0.0151	0.0360	0.0120	0.0184	0.128	0.0200	2.09	0.00082	0.00050	0.126	NA	0.53	0.0349
# of values	24	24	24	20	25	23	22	25	25	25	25	25	26	25	7	7	25	7	25	25	25	25	25	25	0	6	25
Minimum	4.79	0.03	2.22	46.5	0	-62.1	0.20	7.68	24.0	17.5	0.075	0.785	6.00	0.0155	0.0155	0.0350	0.0050	0.0155	0.438	0.0155	2.67	0.00075	0.00075	0.065	NA	1.05	0.0100
Maximum	7.70	18.67	14.35	110.3	0.071	290	15.0	22.0	65.0	52.5	34.7	4.25	24.0	1.19	0.0555	0.140	0.0440	0.0500	1.03	0.0770	13.3	0.0047	0.0025	0.680	NA	2.32	0.149
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	68%	0%	16%	86%	0%	20%	100%	0%	40%	0%	96%	96%	68%		0%	80%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	8	7	9	1	6	6	0	0	15	0	1	1	8	0	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.94
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	42%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	4%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100C																														
Sample Date																														
04/28/04	**12.5**	**3.90**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.69	1.75	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**5.0**	**0.0155**	**0.0155**	3500	3540	**0.153**	**0.131**	**0.0155**		0.645	0.551	24.5	24.0	**0.050**	**0.050**	468	486
05/18/04	150	**9.75**	0.455	**0.0965**	**0.250**	**0.3125**	3.66	2.70	**0.0075**	**0.01875**	**0.750**	**1.875**	**1.55**	**1.55**	**0.0155**	**0.03875**	3210	3200	**0.100**	**0.125**	0.118		2.26	1.46	530	104	0.293	**0.125**	606	603
06/03/04																														
06/15/04	39.4	**12.5**	**0.0385**		**0.125**	**0.125**	2.18	1.85	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**3.21**	**0.0155**	**0.0155**	4920	5020	**0.0500**	**0.133**	**0.050**		1.55	1.24	223	149	**0.050**	**0.050**	1010	1020
07/13/04	**12.5**	**12.5**	**0.0385**	0.261	**0.330**	**0.273**	3.40	3.44	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5990	6150	**0.100**	**0.100**	**0.0155**		1.49	1.38	158	104	**0.050**	**0.050**	1100	1040
10/16/04	51.5	**12.5**	**0.0385**	**0.0791**	**0.320**	**0.125**	3.19	2.98	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4620	5000	0.228	**0.100**	**0.0500**		2.14	1.57	203	114	**0.153**	0.207	909	923
01/28/05	8.60	5.84	0.0412	0.031	**0.125**	**0.125**	3.92	3.78	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0194**	**0.0332**	6610	6360	0.583	0.445	0.024	0.0230	1.13	0.896	185	105	**0.0155**	**0.0155**	1340	1300
05/08/05	147	18.2	0.0397	0.0328	0.514	0.246	4.32	3.23	**0.00756**	**0.001495**	**0.003835**	**0.003835**	1.57		0.0303	0.0244	4050	3640	**0.03565**	**0.03565**	0.143	0.0653	2.83	1.70	407	117	0.258	0.188	697	657
06/04/05	73.9	7.30	0.0416	0.0348	**0.480**	**0.125**	2.64	2.44	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4380	4410	**0.0310**	**0.031**	0.0970	0.0622	1.67	1.34	258	72.4	0.105		849	853
07/08/05	20.9	10.4	0.0284	0.0152	**0.414**	**0.309**	2.77	2.88	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5800	6240	0.308	0.296	0.0246	**0.0032**	1.71	1.37	263	172	**0.050**	**0.050**	1120	1290
09/14/05	75.2	17.6	0.042	0.0416	**0.404**	**0.125**	3.70	3.22	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5060	4830	0.788	0.934	0.120	0.0758	2.55	1.89	350	103	0.143		963	909
10/29/05	29.1	5.81	0.0246	0.0318	**0.403**	**0.340**	3.70	3.54	**0.0075**	**0.0075**	**0.0058**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	6070	5770	0.472	0.288	0.153	0.145	1.38	1.27	335	69.9	**0.0712**		1150	1170
05/23/06	93.8	21.0	**0.0250**	**0.0250**	**0.155**	**0.155**	2.96	2.20	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0344**	2260	2130	0.262	**0.100**	0.156	0.0940	2.91	1.70	398	149	0.494	0.252	491	482
06/18/06	45.3	9.90	0.0958	**0.0432**	**0.441**	**0.155**	3.64	3.16	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.06**	**1.93**	**0.0125**	**0.0125**	4790	4450	**0.050**	**0.0500**	0.0890	0.0606	2.46	1.60	279	94.8	0.257	0.277	946	904
07/22/06	19.3	10.4	**0.0492**	0.0530	**0.372**	**0.155**	3.30	2.97	**0.120**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5470	5850	0.313		0.0518	0.0374	1.32	1.27	198	125	**0.050**		1260	1260
08/17/06	40.6	14.4	**0.0196**	**0.0270**	**0.483**	**0.427**	3.41	2.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5080	4960	0.317	**0.100**	0.0824	0.0588	2.20	2.43	316	138	**0.050**	0.163	981	986
09/13/06	23.9	8.71	**0.0250**	**0.0250**	**0.155**	**0.155**	3.67	3.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5760	5600	**0.0500**	0.204	0.0962	0.0844	1.67	1.57	297	172	**0.050**	0.149	1090	1030
10/31/06	43.2	6.88	**0.0075**	**0.0075**	**0.155**	**0.155**	4.01	4.12	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5850	5950	**0.100**	**0.0500**	0.136	0.0968	1.56	1.03	273	75.2	0.140	**0.0155**	1170	1270
12/10/06	11.0	2.92	**0.0402**	**0.0332**	**0.155**	**0.155**	4.47	5.32	**0.0125**	**0.0125**	**0.0166**	**0.0075**	**1.25**	**1.25**	0.0720	0.0614	6330	7030	**0.0500**	**0.0500**	0.0398	0.0462	0.828	0.734	151	29.0	0.241	0.139	1350	1520
05/11/07	116	13.1	**0.0378**	**0.0360**	0.546	**0.155**	4.10	3.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0230**	**0.0188**	4350	4330	0.578	0.479	0.150	0.103	2.50	2.22	555	214	0.201	**0.050**	807	819
06/17/07	29.3	9.99	0.0558	0.0686	**0.468**	**0.318**	3.06	3.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4990	5040	0.235	**0.100**	0.0476	0.0312	1.74	1.38	223	137	0.102	**0.0155**	1020	1070
07/16/07	403	14.2	0.0704	0.0702	0.917	**0.155**	5.47	3.01	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0260**	**0.0075**	5710	5950	0.537	**0.0500**	0.354	0.0420	3.82	1.68	1040	210	0.545	**0.050**	1390	1380
09/15/07	64.9	13.3	**0.0410**	**0.0382**	**0.460**	**0.155**	3.90	3.45	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0208**	**0.0156**	5870	5920	0.298	0.283	0.0910	0.0492	2.21	1.79	360	104	0.127	**0.050**	972	987
10/13/07	42.3	16.7	**0.0338**	**0.0406**	**0.155**	**0.155**	3.92	3.81	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0170**	**0.0075**	5690	5400	0.363	0.507	0.106	0.0770	1.45	1.47	237	103	**0.050**	0.135	1050	995
11/09/07	64.6	11.7	**0.0276**	**0.0298**	**0.155**	**0.155**	3.71	3.31	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5290	5600	**0.100**	0.288	0.105	0.0636	1.54	1.09	313	131	**0.050**	**0.0155**	1040	1100
05/28/08	141	30.1	**0.0075**	**0.025**	0.541	**0.421**	4.22	2.83	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0284**	**0.0173**	3700	3460	0.236	**0.0500**	0.136	0.0526	2.29	1.48	455	188	0.182	**0.0155**	736	674
Mean	70.4	12	0.0545	0.0494	0.346	0.204	3.56	3.15	0.015	0.0105	0.1559	0.1997	1.53	1.6	0.0184	0.0181	5010	5030	0.254	0.205	0.0981	0.0636	1.91	1.44	321	120	0.151	0.0982	980	989
Median	43.2	11.7	0.0385	0.0354	0.372	0.155	3.67	3.16	0.012	0.0125	0.0075	0.0075	1.25	1.25	0.0155	0.0155	5080	5040	0.235	0.113	0.0962	0.0614	1.71	1.46	279	114	0.105	0.050	1010	995
St. Deviation	81.5	5.80	0.0854	0.0495	0.193	0.096	0.770	0.720	0.022	0.0034	0.3032	0.4458	0.760	0.850	0.0129	0.0125	1060	1170	0.206	0.212	0.0701	0.0317	0.710	0.420	191	48.0	0.137	0.0826	250.0	271.0
# of values	25	25	25	24	25	25	25	25	25	25	25	25	25	24	25	25	25	25	25	24	25	20	25	25	25	25	25	21	25	25
Minimum	8.60	2.92	0.0075	0.0075	0.125	0.125	1.69	1.75	0.0075	0.001495	0.00155	0.00155	0.750	0.750	0.0075	0.0075	2260	2130	0.031	0.031	0.0155	0.0032	0.645	0.551	24.5	24.0	0.0155	0.0155	468	482
Maximum	403	30.1	0.455	0.261	0.917	0.427	5.47	5.32	0.120	0.01875	0.750	1.875	5.00	5	0.0720	0.0614	6610	7030	0.788	0.934	0.354	0.145	3.82	2.43	1040	214	0.545	0.277	1390	1520
% of values undetected	8%	20%	32%	21%	40%	72%	0%	0%	96%	100%	92%	100%	92%	92%	68%	72%	0%	0%	40%	54%	16%	0%	0%	0%	0%	0%	40%	62%	0%	0%
# of values between MDL and PQL	0	0	7	9	11	6	0	0	1	0	2	0	1	2	6	5	0	0	2	3	0	1	0	0	0	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.051	0.051	NA	NA	10.98	10.56276	NA	NA	1.364	1.310	1000	1000	0.181	0.203	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	4%	0%	0%	0%	0%	0%	0%	84%	68%	4%	0%	32%	14%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100C																											
Sample Date																											
04/28/04	3.79	4.03	**0.0005**		**0.155**	**0.155**	**0.141**	**0.194**	213	199	**0.155**	**0.155**	4000	**0.00310**		1530	1620	**0.0405**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.78	2.11
05/18/04	20.6	10.6	0.0016		**0.379**	**0.3875**	0.331	**0.250**	292	303	**0.155**	**0.3875**	2580	**0.00310**	**0.00775**	1250	1400	**0.0125**	**0.03125**	**0.155**	**0.3875**	0.708	**0.3125**	5.09	3.89
06/03/04																											
06/15/04	16.9	19.2	**0.0005**		**0.530**	**0.529**	0.233	0.370	277	283	**0.155**	**0.155**	2350	**0.00310**	**0.00310**	1900	1940	**0.0125**	**0.0125**	**0.155**	1.16	**0.398**	**0.351**	2.74	2.92
07/13/04	7.28	5.11	**0.0005**		**0.450**	**0.695**	0.293		342	360	**0.155**	**0.155**	3150	**0.0031**	**0.0031**	1960	2110	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.399**	0.406	**0.750**	1.74
10/16/04	17.4	17.0	0.0012		**0.441**	**0.461**	0.249		290	303	**0.155**	**0.155**	3780	**0.0031**	**0.0031**	1710	1770	**0.0125**	**0.0125**	**0.155**	**0.155**	0.403	**0.396**	3.40	3.68
01/28/05	9.25	8.43	**0.0005**		0.387	0.342	0.341	0.332	341	330	**0.0775**	**0.0775**	5230	**0.0031**	**0.0031**	2140	2230	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	2.40	
05/08/05	36.6	21.7	**0.000147**		0.396	0.348	0.252		402	392	0.121	0.100	2850	**0.00598**	**0.001435**	1270	1040	**0.002125**	**0.002125**	**0.0738**	**0.0302**	0.951	0.295	3.77	3.87
06/04/05	24.3	18.0	**0.000450**		0.420	0.465	0.299		272	280	**0.0775**	**0.0775**	2660	**0.0031**	**0.0031**	1680	1890	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	**0.100**	2.03	1.98
07/08/05	12.2	7.94	**0.0025**		0.636	0.643	0.341	0.288	304	335	**0.0775**	**0.0775**	2720	**0.0031**	**0.0031**	2090	2420	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	4.86	
09/14/05	23.8	11.9	**0.0025**		0.485	0.457	0.403		382	371	**0.0775**	**0.0775**	4040	**0.0031**	**0.0031**	1780	1730	**0.0066**	**0.0031**	**0.031**	**0.031**	0.476	**0.337**	4.97	4.36
10/29/05	47.2	44.5	**0.00101**		0.283		0.320		320	313	**0.0775**	**0.0775**	4980	**0.0031**	**0.0031**	1970	2080	**0.0031**	**0.0031**	**0.031**	**0.031**	0.562	**0.100**	3.03	3.13
05/23/06	43.5	27.0	**0.00250**		0.262		0.256	0.312	523	509	**0.155**	**0.155**	1480	**0.0031**	**0.0031**	877	878	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.510	**0.110**	5.16	3.85
06/18/06	16.4	10.7	**0.00250**		0.582	0.479	0.432		343	331	**0.155**	**0.155**	2750	**0.0031**	**0.0031**	2940	1750	0.0134	**0.0054**	**0.0332**	**0.0155**	**0.110**	**0.250**	4.59	2.63
07/22/06	5.56	1.36	**0.00117**		0.596	0.579	0.256		296	321	**0.155**	**0.155**	2500	**0.0310**	**0.0031**	2330	2340	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	11.4	2.78
08/17/06	19.2	9.68	**0.00250**		0.439	0.470	0.369	0.504	248	233	**0.155**	**0.155**	3350	**0.0031**	**0.0031**	1770	1760	**0.0050**	0.0232	**0.050**	**0.050**	**0.250**	**0.250**	4.15	2.03
09/13/06	32.0	26.3	**0.000475**		0.405	0.379	0.274		335	321	**0.155**	**0.155**	3060	**0.0031**	**0.0031**	1870	1830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.67	2.23
10/31/06	36.9	30.4	**0.00250**		0.371	0.342	0.201	0.208	307	318	**0.155**	**0.155**	4730	**0.0031**	**0.0031**	1990	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.34	3.34
12/10/06	10.5	9.50	**0.000475**		0.323	0.335	0.318	0.413	368	440	**0.155**	**0.155**	4830	**0.0166**	**0.0031**	2190	2470	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.96	
05/11/07	42.1	30.1	**0.000524**		0.492	0.458	0.357		445	443	**0.155**	**0.155**	2550	**0.0080**	**0.0031**	1320	1370	**0.0108**	**0.0050**	**0.050**	**0.050**	**0.766**	**0.155**	6.04	4.83
06/17/07	12.6	8.37	**0.000853**		0.599	0.603	0.213	0.283	361	374	**0.155**	**0.155**	2560	**0.0031**	**0.0031**	1930	1970	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.323**	**0.155**	1.98	1.75
07/16/07	72.9	4.42	**0.000974**		0.773	0.667	0.520	0.590	314	327	**0.155**	**0.155**	2860	**0.0031**	**0.0031**	2320	2370	**0.0050**	**0.0050**	**0.050**	**0.050**	1.66	**0.155**	5.72	1.75
09/15/07	20.1	9.75	**0.000169**		0.525	0.505	0.296	0.471	352	356	**0.155**	**0.155**	3670	**0.0080**	**0.0031**	1870	1890	**0.0050**	**0.0186**	**0.050**	**0.050**	**0.497**	**0.155**	4.02	4.05
10/13/07	27.4	20.6	**0.00103**		0.406	0.372	0.280	0.336	298	307	**0.155**	**0.155**	4260	**0.0031**	**0.0031**	1770	1660	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.64	4.05
11/09/07	25.1	18.7	**0.000169**		0.387	0.363	0.238	0.227	274	300	**0.155**	**0.155**	4650	**0.0031**	**0.0031**	1790	2010	**0.0100**	**0.0050**	**0.050**	**0.050**	**0.407**	**0.155**	1.29	2.04
05/28/08	32.1	13.6	**0.00245**		0.232		0.298	0.204	386	336	**0.155**	**0.155**	2650	**0.0031**	**0.0031**	1290	1250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.582**	**0.155**	4.93	3.02
Mean	24.6	15.6	0.00119	NA	0.438	0.456	0.3	0.332	331	335	0.138	0.147	3370	0.0053	0.0032	1820	1840	0.0079	0.0079	0.066	0.113	0.427	0.213	3.87	3
Median	20.6	11.9	0.00097	NA	0.420	0.4595	0.296	0.312	320	327	0.155	0.155	3060	0.0031	0.0031	1870	1890	0.0050	0.0050	0.050	0.050	0.398	0.155	3.64	2.97
St. Deviation	15.8	10.2	0.0009	NA	0.137	0.129	0.0790	0.119	65.0	65.0	0.0320	0.0600	990	0.0061	0.0010	430.0	420.0	0.0077	0.0072	0.047	0.231	0.338	0.0960	2.1	0.960
# of values	25	25	25	0	25	22	25	15	25	25	25	25	25	25	24	25	25	25	25	25	25	25	25	25	25	22
Minimum	3.79	1.36	0.000147	NA	0.155	0.155	0.141	0.194	213	199	0.0775	0.0775	1480	0.0031	0.001435	877	878	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.750	1.74
Maximum	72.9	44.5	0.00250	NA	0.773	0.695	0.520	0.590	523	509	0.155	0.3875	5230	0.0310	0.00775	2940	2470	0.0405	0.03125	0.155	1.16	1.66	0.406	11.4	4.83
% of values undetected	0%	0%	60%		4%	9%	0%	7%	0%	0%	96%	96%	0%	84%	100%	0%	0%	80%	88%	92%	96%	44%	80%	4%	0%	
# of values between MDL and PQL	0	0	9	0	4	3	2	2	0	0	0	0	0	4	0	0	0	5	2	2	0	7	3	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	7.77	7.75	NA	NA	5	4.6	NA	0.0846615	0.072	NA	NA	NA	NA	NA	NA	NA	NA	17.81	17.56	
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	4%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters Total/Dissolved	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100D																											
Sample Date																											
04/28/04	7.15	-0.16	12.28		0.032		4.3	13.4	39.0	43.8	**0.400**	**1.57**	11.5	0.101			**0.0155**		1.050	**0.0155**	4.82	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/18/04	6.98	5.01				107.0	9.7	9.3	30.0	35.0	4.42	**1.57**	**7.50**	0.110			**0.0155**		0.635	**0.0350**	3.66	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/22/04	6.96	11.51	9.91		0.037	159.0																					
06/16/04	7.54	11.33	10.04		0.046	162.0		15.4	45.0	42.5	1.60	**1.57**	14.5				**0.0155**		0.728	**0.0590**	6.21	0.0100	**0.00470**	**0.065**			**0.0900**
07/14/04	6.77	17.96	9.23		0.058	86.0		20.4	60.0	42.5	1.20	**1.57**	21.0	**0.310**			0.3260		0.486	**0.046**	5.53	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/23/04	7.86	14.97	12.26	123	0.067	198.0	0.1	22.5	70.0	36.3	0.50	**1.57**	25.0	**0.155**			**0.0155**		0.562	**0.056**	5.28	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/14/04	7.26	5.78			0.071	265.0	1.7	22.7	70.0	60.0	0.80	**1.57**	26.0	**0.155**			**0.0155**		0.653	**0.047**	6.86	**0.0028**	**0.00125**	**0.290**			**0.0155**
10/15/04	6.30	5.00	12.8		0.020		21.0	16.5	47.0	57.5	1.00	**1.57**	14.0	**0.155**			**0.0155**		1.140	**0.0155**	6.70	**0.0025**	**0.0038**	**0.180**			**0.039**
01/26/05	7.12	-0.07	11.25		0.073	105.0	6.0	25.3	70.0	45.0	**0.20**	6.25	22.0	0.180			0.0443		0.871	**0.041**	11.2	**0.00125**	**0.00125**	**0.210**			**0.050**
03/18/05	6.77	0.11	12.08	83.6	0.070	52.0	4.0	25.9	70.0	48.0	**2.50**	4.00	20.0	**0.100**			**0.009**		1.000	**0.030**	9.80	**0.0015**	0.0100	**0.025**			0.130
05/05/05	5.52	1.77	12.73	91.6	0.029	206.1	3.08	11.7	29.5	35.0	6.20	**3.60**	**9.00**	1.110			0.0640		0.638	**0.0155**	2.87	**0.00125**	**0.00125**	**0.300**			**0.0155**
06/03/05	7.68	12.27	10.39	97.7	0.044	36.0	4.0	14.0	38.0	35.0	2.00	**2.25**	10.0	0.320			0.0290		0.624	**0.0155**	5.43	**0.00125**	**0.00125**	**0.120**			**0.050**
07/10/05	7.03	14.40	9.73	95.2	0.059	-117.7	2.14	24.1	60.0	33.8	1.80	**0.785**	22.0	1.140			0.0234		0.479	**0.050**	5.45	**0.0025**	**0.0025**	**0.640**			**0.0155**
08/19/05	6.96	14.76		88.5	0.056	138.4	1.51	22.6	60.0	37.5	2.63	**1.63**	23.5	0.643			**0.0130**		0.454	**0.034**	4.54	**0.00125**	**0.00125**	**0.320**			**0.0155**
09/15/05	4.99	9.36	11.25	99.0	0.038	234.2	2.95	16.0	42.0	47.5	3.30	5.13	**8.00**	3.110			**0.0099**		0.993	**0.0155**	9.36	**0.00125**	**0.00125**	**0.670**			**0.0155**
10/29/05	6.36	0.11	13.84	95.0	0.057	168.5	1.05	21.3	65.0	48.8	0.72	**2.60**	16.0	0.226			**0.0130**		0.970	**0.041**	9.27	**0.00125**	**0.00125**	**0.370**			0.101
06/18/06	6.49	12.70	7.72	72.8	0.041	134.4	1.16	15.5	41.0	31.3	2.80	**1.75**	11.0	0.350	**0.0155**	0.326	0.0130	**0.05**	0.657	**0.0380**	5.87	**0.00125**	**0.00125**	**0.460**			**0.0155**
07/22/06	6.50	13.80	5.32	51.5	0.053	137.5	0.79	21.7	50.0	38.8	1.50	**2.60**	20.0	**0.0435**	**0.0155**	**0.0435**	**0.0096**	**0.0155**	0.480	**0.0430**	6.90	**0.00105**	**0.0025**	**0.155**			**0.0350**
08/17/06	6.93	13.02	7.74	73.4	0.041	143.3	1.04	17.3	40.0	36.3	2.08	**1.57**	13.0	**0.0410**	**0.0155**	**0.0410**	0.0250	**0.0155**	0.391	**0.0440**	4.93	**0.00075**	**0.00075**	**0.390**			**0.0155**
09/13/06	6.55	10.48	7.99	71.7	0.049	105.3	0.86	20.0	49.0	32.5	1.30	**1.57**	14.0	**0.0775**	**0.0155**	**0.0760**	**0.0080**	**0.0155**	0.759	**0.0460**	7.05	**0.00075**	**0.00075**	**0.155**			**0.0155**
10/31/06	6.60	0.21	12.56	86.3	0.055	122.4	2.3	19.7	50.0	35.0	1.10	**3.75**	13.0	0.109	**0.0155**	**0.0990**	0.0180	**0.0155**	0.799	**0.0155**	9.45	**0.00075**	**0.00075**	**0.155**			**0.050**
12/10/06	6.45	0.37	7.35	51.0	0.068	136.1	0.77	25.1	60.0	40.0	**0.153**	**1.57**	24.0	0.177	**0.0155**	0.164	**0.0050**	**0.0155**	0.805	**0.0155**	11.9	**0.00075**	**0.0020**	**0.155**			**0.0155**
02/17/07	5.66	0.36	7.84	54.2	0.057	279.2	0.75	25.8	60.0	51.3	**0.1565**	**1.57**	22.0	0.176	**0.0155**	0.158	**0.00155**	**0.05**	0.785	**0.0155**	10.2	**0.0020**	**0.0030**	**0.155**			**0.0323**
04/21/07	6.49	0.24	9.21	63.3	0.049	146.5	0.78	17.7	45.0	35.0	1.11	**1.57**	13.0	0.139	**0.0155**	0.118	0.0110	**0.0155**	1.010	**0.0410**	6.59	**0.00075**	**0.0025**	**0.155**			**0.0155**
05/11/07	5.76	5.20	11.27	90.0	0.035	176.5	1.42	11.9	33.0	23.8	9.30	**1.57**	11.0	0.212			0.0305		0.635	**0.0380**	3.50	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/17/07	6.98	11.65	8.19	75.2	0.043	125.6	0.86	16.8	43.0	36.3	3.00	**1.57**	13.5	0.101			0.0177		0.628	**0.0680**	5.39	0.00890	**0.00075**	**0.155**		1.69	**0.0155**
07/12/07	7.28	15.96	6.26	63.4	0.048	110.4	1.2	21.2	49.0	51.3	2.90	**1.57**	16.4	0.122			0.0165		0.474	**0.0520**	5.67	**0.00075**	**0.00075**	**0.155**		2.48	**0.0155**
08/15/07	7.38	12.84	7.45	70.5	0.054	28.5	1.36	22.0	50.0	32.5	3.01	**1.57**	22.2	**0.0315**			0.0139		0.388	**0.0350**	5.25	**0.00075**	**0.00075**	**0.155**		2.92	**0.0155**
09/16/07	6.09	7.82	7.40	62.5	0.036	178.7	2.17	15.0	36.0	33.8	3.10	**1.57**	11.9	**0.0855**			0.0214		0.594	**0.0155**	3.21	**0.00075**	**0.00075**	**0.155**		2.45	**0.0155**
10/13/07	6.51	1.62	11.12	79.5	0.043	127.2	1.4	16.4	42.5	40.0	2.53	**1.57**	11.6	0.150			0.0152		0.700	**0.0330**	5.79	**0.00075**	**0.00075**	**0.155**		1.40	**0.0155**
11/09/07	7.04	0.22	9.88	68.1	0.046	141.0	1.02	17.1	45.0	32.5	7.60	**1.57**	11.4	**0.0965**			0.0218		0.793	**0.0320**	6.66	**0.00075**	**0.00075**	**0.155**		2.01	**0.0155**
12/08/07	6.07	0.15	8.67	59.6	0.054	197.7	0.6	21.3	52.4	37.5	**0.80**	**1.57**	14.1	0.160			0.0104		0.662	**0.038**	7.63	**0.00075**	**0.0025**	**0.155**		0.983	**0.0155**
01/21/08	6.80	0.09	8.72	59.9	0.074	42.9	1.04	30.5	80.4	51.3	**0.153**	**7.50**	23.0	0.263			0.0135		0.775	**0.0360**	11.4	**0.00075**	**0.00075**	**0.155**		1.12	**0.0155**
02/18/08	6.68	-0.01	9.73	67.0	0.081	197.3	1.66	30.0	81.7	58.8	**0.153**	**5.04**	26.4	0.140			0.0131		0.715	**0.0310**	11.2	**0.00075**	**0.0025**	**0.155**		0.842	**0.0155**
03/14/08	6.94	0.00	8.97	61.8	0.075	71.3	1.9	25.5	77.2	52.5	1.43	11.1	26.6	0.173			0.0120		0.715	**0.0370**	10.4	**0.0025**	**0.0025**	**0.155**		0.826	**0.0409**
03/26/08	7.08	0.02	8.85	60.7	0.095	164.1																					
05/28/08	6.79	2.41	12.0	87.8	0.031	158.4	1.37	12.0	31.0	37.5	6.35	**1.57**	**9.28**	0.381			0.0263		0.598	**0.065**	3.43	**0.00075**	**0.00075**	**0.340**		2.41	0.317
Mean	6.71	6.30	9.77	76.0	0.052	135.0	3	19.5	52.0	41.0	2.30	2.60	16.0	0.319	0.0155	0.128	0.0265	0.0241	0.704	0.0360	6.84	0.00170	0.00180	0.210	NA	1.74	0.0373
Median	6.79	5.01	9.73	72.8	0.051	138.4	1.4	20.0	49.0	37.5	1.60	1.57	14.1	0.155	0.0155	0.109	0.0155	0.0155	0.662	0.0370	6.21	0.00125	0.00125	0.155	NA	1.69	0.0155
St. Deviation	0.60	6.20	2.10	17.1	0.016	73.2	4	5.20	15.0	8.70	2.20	2.13	6.00	0.555	0	0.092	0.0533	0.016	0.192	0.0150	2.59	0.00200	0.00170	0.150	NA	0.75	0.0557
# of values	37	37	34	29	36	35	33	35	35	35	35	34	8	8	35	8	35	8	35	35	35	35	35	35	0	11	35
Minimum	4.99	-0.16	5.32	51.0	0.02	-117.7	0.1	9.3	29.5	23.8	0.153	0.785	7.50	0.0315	0.0155	0.0410	0.00155	0.0155	0.388	0.0155	2.87	0.00075	0.00075	0.025	NA	0.826	0.0155
Maximum	7.86	17.96	13.84	123	0.095	279.2	21.0	30.5	81.7	60.0	9.30	11.1	26.6	3.11	0.0155	0.326	0.326	0.0500	1.14	0.0680	11.9	0.0100	0.0100	0.670	NA	2.92	0.317
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	63%	0%	15%	100%	0%	20%	100%	0%	31%	0%	89%	86%	66%		0%	77%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	9	4	6	0	4	7	0	0	24	0	2	4	12		0	5
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.03
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	30%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	NA	0%	0%
% of DWS exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
SK100E																											
Sample Date																											
05/02/04																											
05/18/04	6.4	3.16	11.46		0.030	178.0	24.4	9.2	31.0	31.3	6.74	**1.57**	**7**	0.142			**0.0155**		0.615	**0.0390**	3.28	**0.00125**	**0.00125**	**0.065**			**0.0155**
Mean	6.4	3.16	11.46	NA	0.03	178.0	24.4	9.2	31.0	31.3	6.74	1.57	7	0.142	NA	NA	0.0155	NA	0.615	0.0390	3.28	0.00125	0.00125	0.065	NA	NA	0.0155
Median	6.4	3.16	11.46	NA	0.03	178.0	24.4	9.2	31.0	31.3	6.74	1.57	7	0.142	NA	NA	0.0155	NA	0.615	0.0390	3.28	0.00125	0.00125	0.065	NA	NA	0.0155
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	0	0	1
Minimum	6.4	3.16	11.46	NA	0.03	178	24.4	9.16	31	31.3	6.74	1.57	7	0.142	NA	NA	0.0155	NA	0.615	0.039	3.28	0.00125	0.00125	0.065	NA	NA	0.0155
Maximum	6.4	3.16	11.46	NA	0.03	178	24.4	9.16	31	31.3	6.74	1.57	7	0.142	NA	NA	0.0155	NA	0.615	0.039	3.28	0.00125	0.00125	0.065	NA	NA	0.0155
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	100%	0%	0%			100%		0%	0%	0%	100%	100%	100%			100%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	1	0			0		0	1	0	0	0	0			0
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.75
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	NA	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	NA	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100D																														
Sample Date																														
04/28/04	25.8	**12.5**	**0.0385**	**0.100**	**0.125**	**0.125**	3.20	3.33	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.00**	**5.00**	**0.0155**	**0.0155**	3790	3850	**0.191**	**0.141**	**0.0401**		1.92	1.10	323	260	**0.100**	**0.050**	1010	1010
05/18/04	127	25.3	**0.0385**	**0.100**	0.623	**0.125**	3.64	2.47	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2690	2650	**0.100**	**0.0500**	**0.0861**		1.88	1.24	490	132	**0.050**	**0.050**	627	618
05/22/04																														
06/16/04	42.6	**12.5**	**0.0385**	0.725	**0.125**	**0.417**	1.83		**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4330	4400	**0.134**	**0.181**	**0.050**		1.65	1.68	279	193	**0.161**	**0.108**	1110	1070
07/14/04	47.8	**12.5**	**0.0385**	**0.10**	0.654	0.520	3.75	3.53	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5760	5650	**0.100**	**0.100**	**0.050**		2.03	1.76	472	316	**0.050**	**0.050**	1450	1380
08/23/04	**12.5**	**12.5**	**0.0385**	**0.10**	0.560	**0.418**	2.93	2.61	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6390	6080	**0.150**	**0.137**	**0.050**		1.50	1.32	302	232	**0.050**	**0.050**	1590	1570
09/14/04	**12.5**	**12.5**	**0.0385**	**0.123**	**0.372**	**0.351**	3.06	2.91	**0.0075**	**0.0075**	**0.750**	**0.750**	**4.20**	**3.80**	**0.0155**	**0.0155**	6470	6680	**0.134**	**0.132**	**0.050**		1.20	1.27	232	161	**0.050**	**0.050**	1580	1710
10/15/04	37.1	**12.5**	**0.119**	**0.101**	**0.424**	**0.125**	3.43	3.16	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4840	4090	**0.0500**	**0.100**	**0.050**		1.62	1.37	275	144	**0.050**	**0.050**	1070	1050
01/26/05	14.8	7.19	0.0366	0.0298	**0.357**	**0.125**	5.62	5.30	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0250**	**0.025**	6930	7230	0.432	0.436	0.029	0.0254	1.36	1.26	273	163	**0.0155**	**0.0155**	1940	1830
03/18/05	3.42		0.0259	0.0245	0.175		4.70	5.28	**0.001495**	**0.001495**	**0.003835**	**0.010**	1.81	1.46	**0.003095**	**0.003095**	7440	7180	**0.03565**	**0.132**	**0.0228**	0.0310	1.10	1.21	72.3		**0.035**	**0.035**	1770	1700
05/05/05	151	15.8	0.0413	0.0274	0.697	0.320	5.00	2.87	**0.00933**	**0.001495**	**0.003835**	**0.003835**	1.71		**0.0143**	**0.010**	3470	3330	**0.03565**	**0.03565**	0.178	0.0877	2.24	1.38	630	210	0.106		736	699
06/03/05	42.9	9.52	0.054	0.0536	**0.125**	**0.125**	2.64	2.06	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4030	3870	**0.0310**	**0.0310**	0.0478	0.0302	1.58	1.27	263	107	**0.050**		951	913
07/10/05	39.8	10.4	0.027	0.0326	**0.356**	**0.333**	3.08	2.64	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	6790	6390	0.417	0.417	0.0276	0.0162	1.70	1.45	510	290	**0.0155**	**0.050**	1720	1610
08/19/05	32.6	6.78	0.0302	**0.00155**	0.652	0.731	3.46	3.33	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	6180	6920	0.278		0.0544	0.0498	1.56	1.71	574	238	**0.0155**		1740	1710
09/15/05	82.1	17.5	0.290	0.071	0.509	**0.273**	4.63	3.83	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4710	4680	**0.031**	**0.177**	0.0768	0.0518	2.26	1.61	465	145	**0.05**		1030	1010
10/29/05	26.9	8.87	0.0336		**0.125**	**0.125**	4.38	4.05	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	6160	5900	0.490	0.303	0.0462	0.0476	1.91	1.67	358	118	**0.0155**		1440	1470
06/18/06	32.9	11.4	0.0506	**0.0498**	**0.155**	**0.155**	3.59	3.25	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.82**	**1.91**	**0.0125**	**0.0125**	4110	4030	**0.0500**	**0.0500**	0.0718	0.0504	2.02		301	116	0.0608		1010	987
07/22/06	45.8	6.86	0.0546	0.0534	**0.417**	**0.155**	4.03	3.72	**0.120**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6190	6250	0.441	0.593	0.0824	0.0670	1.85	1.58	340	124	**0.050**		1510	1550
08/17/06	37.2	16.6	**0.0330**	**0.0268**	**0.454**	**0.350**	4.10	3.23	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4930	4500	0.356	0.213	0.0668	0.0496	2.28	1.88	426	195	**0.050**		1210	1110
09/13/06	27.8	12.2	**0.0400**	**0.0250**	**0.155**	**0.155**	4.37	3.95	**0.0125**	**0.0125**	**0.0250**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	5690	5250	**0.0500**	**0.100**	0.0594	0.0450	2.32	2.06	381	219	**0.050**		1400	1300
10/31/06	30.3	8.18	**0.0250**	**0.0250**	**0.155**	**0.356**	4.44	4.64	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5730	6180	**0.100**	**0.0500**	0.0548	0.0398	1.97	1.61	260	107	0.215	**0.050**	1320	1460
12/10/06	10.4	3.67	**0.0075**	**0.0182**	**0.155**	**0.155**	6.33	7.30	**0.0125**	**0.0125**	**0.0075**	**0.0198**	**1.25**	**1.25**	**0.0185**	**0.0185**	7070	8320	**0.0500**	**0.0500**	0.0390	0.0400	1.11	0.884	274	48.1	**0.050**		1810	1980
02/17/07	8.95	7.58	**0.0250**	0.0540	**0.155**	**0.155**	5.36		**0.0125**	**0.0125**	**0.0156**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0390**	7360	8760	0.228		0.0392	0.0454	1.12	1.18	328	74.9	**0.050**	**0.050**	1800	1990
04/21/07	39.6	11.1	**0.0476**	**0.0306**	**0.155**	**0.155**	5.08	4.67	**0.0125**	**0.0125**	**0.0075**	**0.0162**	**1.25**	**1.25**	**0.0182**	**0.0075**	5080	4890	0.360	0.294	0.0376	0.0326	1.54	1.48	248	130	0.171	0.224	1230	1210
05/11/07	128	12.0	0.0512	0.0556	0.887	**0.345**	4.98	3.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3420	3610	**0.0500**		0.158	0.0868	2.15	1.78	666	258	0.132	**0.050**	813	847
06/17/07	48.0	9.26	0.0656	0.0596	**0.454**	**0.155**	3.66	3.07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4820	4610	0.264	**0.0500**	0.0516	0.0264	1.68	1.28	333	186	**0.050**	**0.0155**	1150	1110
07/12/07	71.5	12.3	**0.0250**	0.0516	0.512	**0.393**	3.96	3.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6180	6360	0.281	**0.199**	0.0936	0.0472	2.09	1.67	548	329	**0.0155**	**0.0155**	1400	1480
08/15/07	61.8	11.1	**0.0432**	**0.0430**	0.669	0.504	3.57	3.25	**0.0125**	**0.0125**	0.160	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6340	6230	0.246	**0.0500**	0.0702	0.0434	2.21	1.52	499	254	**0.050**	**0.0155**	1500	1490
09/16/07	82.1	10.9	0.0740	0.0726	0.561	**0.155**	3.97	3.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0172**	**0.0075**	4490	4650	0.300	0.243	0.0770	0.0278	1.83	1.31	431	129	**0.050**	**0.0155**	926	966
10/13/07	66.6	14.3	**0.0486**	0.0578	**0.354**	**0.155**	4.31	4.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4790	4990	0.487	0.499	0.0622	0.0366	1.59	1.17	326	150	**0.050**	**0.0155**	1090	1160
11/09/07	175	14.8	**0.0374**	**0.0380**	**0.468**	**0.155**	4.96	4.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4870	5490	0.400	**0.0500**	0.118	0.0346	2.19	1.54	525	144	0.160	**0.050**	1190	1260
12/08/07	22.7	11.1	**0.0398**	**0.0446**	**0.155**	**0.155**	4.76	5.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6120	6630	0.241	0.272	0.0414	0.0394	1.46	1.42	214	145	**0.0155**	**0.050**	1460	1570
01/21/08	13.0	8.24	**0.0400**	**0.0452**	**0.155**	**0.155**	6.86	7.74	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8780	9050	0.348	0.338	0.0220	0.0226	1.24	1.22	327	172	**0.0155**	**0.0155**	2070	2110
02/18/08	9.54	4.04	**0.0250**	**0.0250**	**0.155**	**0.155**	5.88	5.69	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8760	8540	0.300	0.290	0.0216		1.24		483	127	**0.0155**	**0.050**	1980	1940
03/14/08	11.4	4.04	**0.0234**	**0.0354**	**0.155**	**0.155**	4.79		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7330	7920	**0.0500**	**0.0500**	0.0220	0.0238	0.904	0.782	459	166	**0.0155**	**0.0155**	1760	1880
03/26/08																														
05/28/08	154	14.6	**0.0075**		0.677	**0.367**	4.38	2.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3500	3080	0.263	**0.0500**	0.127	0.0776	2.23	1.69	572	183	**0.050**	**0.0155**	801	686
Mean	50.7	11.2	0.0472	0.0727	0.368	0.253	4.25	3.93	0.0133	0.0100	0.1599	0.1560	1.78	1.66	0.0120	0.01220	5590	5660	0.214	0.182	0.0621	0.0435	1.73	1.44	385	175	0.0610	0.046	1350	1360
Median	37.2	11.3	0.0385	0.0498	0.357	0.155	4.31	3.52	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0078	0.00775	5730	5650	0.228	0.135	0.0500	0.0400	1.70	1.42	340	162	0.0500	0.050	1400	1380
St. Deviation	45.2	4.20	0.0465	0.1207	0.221	0.149	1.05	1.33	0.0188	0.0032	0.3005	0.3013	1.12	0.960	0.0053	0.00693	1490	1680	0.150	0.150	0.0365	0.0184	0.400	0.28	134	67.0	0.0500	0.043	380.0	410.0
# of values	35	34	35	33	35	34	35	32	35	35	35	35	35	34	35	35	35	35	35	32	35	27	35	33	35	34	35	25	35	35
Minimum	3.42	3.67	0.0075	0.00155	0.125	0.125	1.83	2.06	0.001495	0.001495	0.00155	0.00155	1.25	1.25	0.003095	0.003095	2690	2650	0.031	0.0310	0.0216	0.0162	0.904	0.782	72.3	48.1	0.0155	0.0155	627	618
Maximum	175	25.3	0.290	0.725	0.887	0.731	6.86	7.74	0.120	0.0125	0.750	0.750	5.00	5.00	0.0250	0.0390	8780	9050	0.490	0.593	0.178	0.0877	2.32	2.06	666	329	0.215	0.224	2070	2110
% of values undetected	6%	18%	34%	24%	40%	59%	0%	0%	97%	100%	94%	94%	89%	91%	91%	97%	0%	0%	37%	44%	14%	0%	0%	0%	0%	0%	80%	92%	0%	0%
# of values between MDL and PQL	0	0	10	11	9	10	0	0	1	0	1	2	2	2	3	1	0	0	4	7	3	0	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.056	0.056	NA	NA	10.98	10.56276	NA	NA	1.507	1.446	1000	1000	0.210	0.232	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	71%	48%	0%	0%	3%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SK100E																														
Sample Date																														
05/02/04																														
05/18/04	**12.5**		0.207	0.234	**0.125**	**0.250**	1.91		**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	2660	2530	0.211	**0.100**	2.37	**0.0745**	1.19		155		**0.050**	**0.100**	611	596
Mean	12.5	NA	0.207	0.234	0.125	0.250	1.91	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	2660	2530	0.211	0.100	2.37	0.0745	1.19	NA	155	NA	0.050	0.100	611	596
Median	12.5	NA	0.207	0.234	0.125	0.250	1.91	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	2660	2530	0.211	0.100	2.37	0.0745	1.19	NA	155	NA	0.050	0.100	611	596
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1
Minimum	12.5	NA	0.207	0.234	0.125	0.25	1.91	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	2660	2530	0.211	0.1	2.37	0.0745	1.19	NA	155	NA	0.05	0.1	611	596
Maximum	12.5	NA	0.207	0.234	0.125	0.25	1.91	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	2660	2530	0.211	0.1	2.37	0.0745	1.19	NA	155	NA	0.05	0.1	611	596
% of values undetected	100%		0%	0%	100%	100%	0%		100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	100%	0%	0%	0%		0%		100%	100%	0%	0%
# of values between MDL and PQL	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		0		0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.046	0.046	NA	NA	10.98	10.56276	NA	NA	1.210	1.162	1000	1000	0.152	0.173	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	NA	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	NA	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100D																									
Sample Date																									
04/28/04	12.4	12.4	0.0015		**0.411**	**0.155**	0.213	0.256	428	411	**0.155**	**0.155**	2820	**0.00310**	**0.00310**	1690	1680	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.378**	**0.125**	3.15	3.19
05/18/04	21.7	10.4	**0.0005**		**0.398**	**0.365**	0.239	0.319	251	246	**0.155**	**0.155**	2830	**0.00310**	**0.00310**	1360	1380	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	**0.125**	2.59	1.66
05/22/04																									
06/16/04	11.6	11.7	0.0019		**0.581**	**0.591**	0.250		276	281	**0.155**	**0.155**	1700	**0.00310**	**0.00310**	2130	2040	**0.0125**	0.0508	**0.155**	**0.155**	**0.269**	**0.125**	1.82	2.86
07/14/04	20.7	13.8	**0.0005**		1.12	1.26	0.315		294	278	**0.155**	**0.155**	2040	**0.0031**	**0.0031**	2680	2550	**0.0125**	**0.0259**	**0.155**	**0.500**	**0.363**	**0.275**	**0.750**	1.70
08/23/04	6.24	7.24	0.0013		**0.987**	**0.926**	0.314	0.440	266	266	**0.155**	**0.155**	1950	**0.0031**	**0.0031**	2700	2580	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.750**
09/14/04	5.53	4.66	**0.0005**		**0.566**	**0.602**	**0.100**		233	236	**0.155**	**0.155**	1360	**0.0031**	**0.0031**	2520	2730	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.67	**0.750**
10/15/04	12.8	11.3			**0.406**	**0.404**	0.216		352	304	**0.155**	**0.155**	3900	**0.0031**	**0.0031**	2120	1950	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.51	3.34
01/26/05	7.54	6.06	**0.0005**		0.418	0.428	0.308	0.374	417	412	**0.0775**	**0.0775**	5780	**0.0031**	**0.0031**	2830	2650	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**1.46**	
03/18/05	7.82		**0.000147**		0.369	0.362	0.227	0.160	446	414	0.122	0.118	4880	**0.001435**	**0.00500**	2680	2640	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.0791		3.49	1.11
05/05/05	66.9	32.4	**0.000147**		0.397	0.259	0.244		460	461	**0.0723**	**0.0491**	2850	**0.00451**	**0.001435**	1240	1210	**0.002125**	**0.002125**	**0.165**	**0.0302**	0.490	0.119	2.05	2.48
06/03/05	15.9	7.88	**0.000450**		0.439	0.403	0.253		288	285	**0.0775**	**0.0775**	2330	**0.0031**	**0.0031**	1980	1950	**0.0031**	**0.0031**	**0.031**	**0.031**	0.553	**0.100**	1.53	**0.750**
07/10/05	27.6	10.2	**0.000450**		0.728	0.735	0.276		295	277	**0.0775**	**0.0775**	2570	**0.0031**	**0.0031**	2870	2650	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	2.49	
08/19/05	15.4	2.92	**0.000450**		0.592	0.578	0.402		263		**0.0775**	**0.0775**	2450	**0.0031**	**0.0031**	2880	3010	**0.0031**	**0.0031**	**0.031**	**0.031**	0.405	**0.100**	2.41	
09/15/05	25.8	12.3	**0.0025**		0.570	0.522	0.341		418	427	**0.0775**	**0.0775**	3750	**0.0031**	**0.0031**	2070	2110	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.323**	**0.100**	3.52	
10/29/05	12.4	10.4	**0.000450**		0.331		0.329		372	363	**0.0775**	**0.0775**	5650	**0.0031**	**0.0031**	2360	2500	**0.0031**	**0.0031**	**0.031**	**0.031**	0.455	**0.100**	1.56	**0.988**
06/18/06	18.5	9.99	**0.00250**		0.491	0.467	0.384		343	344	**0.155**	**0.155**	2500	**0.0031**	**0.0031**	1930	1950	0.0104	**0.0070**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.86	
07/22/06	37.2	23.5	**0.00112**		0.672	0.713	0.336		274	276	**0.155**	**0.155**	2430	**0.0310**	**0.0031**	2600	2730	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.63	2.15
08/17/06	21.1	10.3	**0.00250**		0.467	0.476	0.478	0.521	242	219	**0.155**	**0.155**	3350	**0.0031**	**0.0031**	2100	1970	**0.0050**	**0.0144**	**0.050**	**0.050**	**0.250**	**0.250**	1.18	2.06
09/13/06	26.3	17.9	**0.000475**		0.469	0.429	0.272		374	354	**0.155**	**0.155**	3450	**0.0031**	**0.0031**	2300	2270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.70	1.52
10/31/06	12.8	10.1	**0.000475**		0.402	0.485	0.477	0.352	343	384	**0.155**	**0.155**	5650	**0.0031**	**0.0031**	2150	2420	**0.0050**	**0.0182**	**0.050**	**0.050**	**0.977**	**0.250**	1.98	
12/10/06	16.0	15.4	**0.000475**		0.373	0.370	0.378	0.458	419	502	**0.155**	**0.155**	3950	**0.0031**	**0.0031**	2700	2880	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.651**	2.07	
02/17/07	6.32	7.09	**0.000528**		0.394		**0.100**		432	520	**0.155**	**0.155**	5950	**0.0031**	**0.0031**	2570	2980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.380**	**0.155**	2.08	
04/21/07	9.87	6.37	**0.00163**		0.388	0.350	0.259		573	579	**0.155**	**0.155**	2510	**0.0031**	**0.0031**	2080	2080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.21	2.34
05/11/07	49.8	30.6	**0.000975**		0.498	0.462	0.304		434	458	**0.155**	**0.155**	2610	**0.0031**	**0.0031**	1430	1540	0.0396	**0.0050**	**0.050**	**0.050**	**0.933**	**0.155**	1.97	
06/17/07	16.6	7.81	**0.000169**		0.588	0.537	0.209	0.224	361	346	**0.155**	**0.155**	2360	**0.0031**	**0.0031**	2150	2070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
07/12/07	26.3	10.3	**0.00250**		0.753	0.745	0.329	0.362	299	322	**0.155**	**0.155**	2900	**0.0031**	**0.0031**	2460	2540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.01	1.08
08/15/07	21.8	6.56	**0.00250**		0.768	0.728	0.443	0.314	268	268	**0.155**	**0.155**	2150	**0.0031**	**0.0031**	2480	2400	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.440**	**0.155**	3.94	1.17
09/16/07	20.9	5.78	**0.00250**		0.469	0.489	0.281	0.299	323	350	**0.155**	**0.155**	3920	**0.0031**	**0.0031**	1960	2010	**0.0106**	**0.0050**	**0.050**	**0.050**	**0.437**	**0.155**	4.66	2.69
10/13/07	20.1	13.1	**0.000434**		0.435	0.439	0.266	0.295	280	302	**0.155**	**0.155**	5090	**0.0031**	**0.0031**	1930	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.62	2.01
11/09/07	29.5	9.13	**0.00250**		0.412	0.366	0.328	0.374	282	319	**0.155**	**0.155**	4460	**0.0031**	**0.0031**	1990	2100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.385**	**0.155**	1.59	1.45
12/08/07	4.15	2.88	**0.000772**		0.433	0.446	0.340	0.456	347	392	**0.155**	**0.155**	5760	**0.0031**	**0.0031**	2420	2550	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.18	1.76
01/21/08	5.76	4.76	**0.00075**		0.396	0.408	0.281		493	522	**0.155**	**0.155**	7300	**0.0031**	**0.0031**	3060	3030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.17	1.90
02/18/08	4.69		**0.00075**		0.410	0.384	0.326		465	464	**0.155**	**0.155**	6520	**0.0031**	**0.0031**	2910	2890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.28	
03/14/08	3.26	2.86	**0.00075**		0.414	0.446	0.313	0.454	390	438	**0.155**	**0.155**	5830	**0.0031**	**0.0031**	2500	2630	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.06	
03/26/08																									
05/28/08	37.1	12.9	**0.00159**		0.353	0.406	0.295		368	297	**0.155**	**0.155**	2650	**0.0031**	**0.0031**	1480	1320	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.437**	**0.155**	2.20	3.12
Mean	18.8	10.9	0.00109	NA	0.511	0.507	0.298	0.354	353	362	0.138	0.138	3660	0.0039	0.0031	2270	2290	0.0073	0.0082	0.069	0.075	0.298	0.167	2.00	1.81
Median	16.0	10.2	0.00075	NA	0.435	0.446	0.304	0.357	347	348	0.155	0.155	2900	0.0031	0.0031	2300	2400	0.0050	0.0050	0.050	0.050	0.250	0.155	1.86	1.73
St. Deviation	13.5	6.90	0.00084	NA	0.178	0.205	0.0840	0.0970	83.0	93.0	0.0320	0.0330	1580	0.0047	0.00040	470.0	490.0	0.0066	0.0090	0.049	0.086	0.212	0.0980	0.970	0.840
# of values	35	33	34	0	35	33	35	16	35	34	35	35	35	35	35	35	35	35	35	35	35	35	34	35	24
Minimum	3.26	2.86	0.000147	NA	0.331	0.155	0.100	0.160	233	219	0.0723	0.0491	1360	0.001435	0.001435	1240	1210	0.002125	0.002125	0.0155	0.0155	0.0791	0.100	0.235	0.500
Maximum	66.9	32.4	0.00250	NA	1.12	1.26	0.478	0.521	573	579	0.155	0.155	7300	0.031	0.00500	3060	3030	0.0396	0.0508	0.165	0.500	0.977	0.651	4.66	3.34
% of values undetected	0%	0%	71%		0%	3%	6%	0%	0%	0%	94%	94%	0%	97%	100%	0%	0%	91%	86%	97%	100%	54%	91%	9%	17%
# of values between MDL and PQL	0	0	7		6	5	0	0	0	0	1	1	0	1	0	0	0	1	4	1	0	11	2	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	8.58	8.55	NA	NA	5	4.6	NA	0.1034106	0.088	NA	NA	NA	NA	NA	NA	NA	NA	19.65	19.38
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	3%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SK100E																									
Sample Date																									
05/02/04			0.0020																						
05/18/04	9.36		0.0023		**0.450**	**0.388**	0.344	0.215	256	249	**0.155**	**0.155**	2630	**0.00310**	**0.00310**	1410	1310	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.200**	3.47	4.52
Mean	9.36	NA	0.0022	NA	0.450	0.388	0.344	0.215	256	249	0.155	0.155	2630	0.0031	0.0031	1410	1310	0.0125	0.0125	0.155	0.155	0.125	0.200	3.47	4.52
Median	9.36	NA	0.0022	NA	0.450	0.388	0.344	0.215	256	249	0.155	0.155	2630	0.0031	0.0031	1410	1310	0.0125	0.0125	0.155	0.155	0.125	0.200	3.47	4.52
St. Deviation	NA	NA	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	0	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minimum	9.36	NA	0.002	NA	0.45	0.388	0.344	0.215	256	249	0.155	0.155	2630	0.0031	0.0031	1410	1310	0.0125	0.0125	0.155	0.155	0.125	0.2	3.47	4.52
Maximum	9.36	NA	0.0023	NA	0.45	0.388	0.344	0.215	256	249	0.155	0.155	2630	0.0031	0.0031	1410	1310	0.0125	0.0125	0.155	0.155	0.125	0.2	3.47	4.52
% of values undetected	0%		0%		0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0		0		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	6.90	6.88	NA	NA	5	4.6	NA	0.0665059	0.057	NA	NA	NA	NA	NA	NA	NA	NA	15.81	15.59
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100F																											
Sample Date																											
05/18/04	6.62	3.35	11.26		0.031	203.0	11.2	8.6	31.0	31.3	4.20	**1.57**	**7.00**	0.126			**0.0550**		0.600	**0.0560**	3.52	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/01/04													11.0														
06/16/04	7.29	11.05	9.88		0.045	260.0		15.7	45.0	47.5	1.60	**1.57**	14.5				**0.0155**		0.720	**0.0580**	6.30	**0.0047**	0.00500	**0.065**			**0.0155**
07/14/04	8.85	20.25	9.55		0.065	80.0	6.4	22.2	60.0	48.8	4.60	**1.57**	23.0	3.10			0.3680		0.554	**0.052**	6.15	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/16/04													25.5														
08/24/04	7.90	16.05	11.72	120.0	0.072	196.0	0.70	23.9	70.0	42.5	1.62	**1.57**	26.0	**0.155**			**0.0155**		0.498	**0.081**	4.99	**0.00125**	**0.0029**	**0.170**			0.147
09/14/04	7.62	7.75	14.9		0.075	214.0	4.3	23.7	70.0	43.8	2.60	**1.57**	26.5	**0.155**			**0.0155**		0.669	**0.036**	7.00	**0.0028**	**0.0039**	**0.290**			**0.0155**
10/16/04	6.99	4.30	13.93		0.045			14.8	47.0	36.3	15.4	**1.57**	12.5	**0.155**			**0.050**		1.20	**0.0155**	7.03	**0.00125**	**0.00125**	**0.180**			**0.0155**
01/26/05	7.36	-0.15	9.95		0.078	-33.0	6.8	26.9	75.0	46.2	0.60	5.00	24.0	0.160			0.0529		0.837	**0.047**	13.3	**0.00125**	**0.00125**	**0.200**			**0.050**
03/19/05	6.71	-0.17	9.93	68.5	0.075	-9.0	3.8	27.1	70.0	36.2	0.82	9.00	24.0	**0.08**			0.0136		1.05	**0.041**	10.4	**0.00125**	**0.00125**	**0.230**			**0.0155**
05/04/05	4.39	1.72	12.09	86.8	0.035	231.0	1.49	12.0	31.5	35.0	5.20	**4.50**	**9.50**	0.150			0.0250		0.645	**0.0155**	2.93	**0.00125**	**0.00125**	**0.300**			**0.0155**
06/05/05	7.45	11.77	10.86	101.3	0.039	141.0	8.8	12.1	36.0	35.0	6.00	**2.00**	10.0	0.170			0.0435		0.652	**0.0155**	17.8	**0.00125**	**0.00125**	**0.520**			**0.0155**
07/09/05	7.41	23.45	8.54	100.5	0.053	70.4	2.53	20.7	55.0	45.0	2.30	**0.785**	20.5	**0.059**			0.035		0.437	**0.050**	4.86	**0.0025**	**0.0025**	**0.320**			**0.0155**
08/18/05	8.47	16.84	9.36	97.0	0.057	-259.2	2.67	22.9	60.0	33.8	3.40	**1.75**	23.0				**0.017**		0.457	**0.037**	4.60	**0.0025**	**0.0025**	**0.780**			**0.053**
09/15/05	6.25	8.75	10.94	94.1	0.033	159.6	3.99	16.3	39.0	47.5	9.90	**2.63**	11.5	**0.0155**			**0.016**		0.823	**0.066**	7.77	**0.00125**	**0.00125**	**0.390**			**0.0155**
10/29/05	6.65	0.26	12.21	84.6	0.056	198.8	1.6	23.4	65.0	51.3	0.62	**2.50**	17.5	0.132			**0.017**		0.984	**0.037**	10.8	**0.00125**	**0.00125**	**0.230**			**0.050**
01/18/06	7.00	0.02	13.2	91.3	0.034	-150.7	1.35	30.7	80.0	43.8	**0.213**	7.75	26.0	0.212			**0.00165**		0.890	**0.045**	13.0	**0.00125**	**0.00125**	**0.210**			**0.050**
02/07/06	7.09	0.03	7.49	51.3	0.099	-247.5	1.92	38.2	110	96.2	0.50	13.5	36.0	0.130			0.0210		1.07	**0.035**	15.9	**0.00125**	**0.00125**	**0.0295**			**0.0155**
03/14/06	7.27	0.01	7.55	51.8	0.080	-43.3	3.25	33.0	80.0	35.0	**0.15**	**8.50**	28.0	0.154			**0.0088**		0.803	**0.0155**	11.7	**0.00125**	**0.00125**	**0.155**			**0.0155**
04/04/06	6.22	0.02	5.72	39.1	0.081	114.5																					
05/22/06	6.27	1.59	6.93	49.6	0.024	-77.8	2.41	8.8	24.0	28.8	16.0	5.00	**6.00**	0.361	**0.0155**	0.361	0.0620	**0.05**	0.774	**0.0155**	2.52	**0.00125**	**0.00125**	**0.310**			**0.0155**
06/18/06	6.79	13.33	8.74	83.7	0.039	78.8	1.25	15.2	37.0	35.0	2.90	**1.75**	10.0	**0.0980**	**0.0505**	**0.0475**	0.0187	**0.0155**	0.673	**0.0380**	6.84	**0.00125**	**0.00125**	**0.310**			**0.0155**
06/19/06	6.46	12.91	6.50	61.7	0.042	148.2	1.0	16.2	40.0	36.3	2.87	**2.25**	12.0	**0.0510**	**0.0155**	**0.0155**	0.0130	**0.05**	0.641	**0.0370**	6.23	0.0160	0.0140	**0.390**			**0.0155**
07/22/06	7.27	15.53	5.05	50.6	0.050	188.5	1.98	22.8	50.0	36.2	7.32	**3.75**	16.0	1.210	**0.0155**	1.210	0.0300	**0.0155**	0.500	**0.0480**	7.03	**0.00105**	**0.0025**	**0.155**			**0.0500**
08/17/06	6.39	12.22	8.74	81.4	0.032	131.0	1.17	16.8	39.0	41.2	1.52	**1.57**	11.0	**0.0600**	**0.0155**	**0.0600**	0.0110	**0.0155**	0.396	**0.0380**	4.79	**0.00075**	**0.00075**	**0.155**			**0.050**
09/13/06	7.10	13.35	8.36	80.0	0.046	208.0	1.41	18.7	47.0	38.8	1.85	**1.57**	13.0	**0.0850**	**0.0155**	**0.0820**	0.0120	**0.05**	0.803	**0.0790**	7.26	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/01/06	6.47	0.12	7.60	52.2	0.047	168.1	1.34	19.3	49.0	21.3	1.10	**4.75**	13.0	0.132	**0.0155**	0.126	0.0130		0.798	**0.0155**	8.03	**0.00075**	**0.00075**	**0.155**			**0.050**
12/11/06	4.95	0.04	9.34	65.2	0.074	127.0	1.27	28.6	70.0	71.3	**0.833**	**1.57**	24.0	**0.0870**	**0.0155**	**0.0870**	0.0140	**0.0155**	0.785	**0.0320**	11.9	**0.00075**	**0.00075**	**0.155**			**0.050**
01/19/07	6.87	0.05	11.0	76.7	0.078	173.7		30.4	75.0	77.5	**0.163**	**6.00**	25.0	0.170	**0.0155**	0.151	**0.0060**	**0.05**	0.787	**0.0410**	12.5	**0.00075**	**0.00075**	**0.155**			**0.050**
02/18/07	5.47	0.03	8.13	55.8	0.075	216.7	1.82	16.2	36.5	27.5	**0.833**	**1.57**	**16.0**	**0.0870**	**0.0155**	**0.0870**	**0.0050**	**0.05**	0.769	**0.0155**	0.90	**0.0015**	**0.0031**	**0.155**			**0.0155**
03/16/07	7.09	0.06	5.90	40.4	0.108	198.8	1.75	42.6	110	76.3	**0.909**	**6.00**	40.0	0.107	**0.0155**	**0.0995**	0.0250		1.21	**0.0460**	19.0	**0.00075**	**0.00075**	**0.155**			**0.0155**
03/31/07	5.90	0.02	7.60	59.2	0.096	17.0																					
04/21/07	6.94	0.02	9.63	66.1	0.042	195.6	1.69	18.7	47.0	41.3	1.62	**1.57**	14.0	**0.050**	**0.0155**	**0.0570**	0.0140	**0.05**	1.04	**0.0400**	6.68	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/11/07	6.62	6.57	9.07	73.9	0.035	156.0	2.01	13.1	34.5	31.3	1.90	**1.57**	12.0	0.117			0.0257		0.613	**0.0380**	4.05	**0.00075**	**0.00075**	**0.155**			**0.0332**
06/17/07	6.80	12.53	9.17	86.2	0.045	173.9	1.59	17.3	45.0	40.0	2.70	**1.57**	14.0	**0.0965**			0.0194		0.635	**0.0710**	5.90	**0.00075**	**0.00075**	**0.155**		2.22	**0.0323**
07/12/07	7.35	17.41	6.94	72.4	0.049	124.0	2.44	20.2	48.0	51.3	1.20	**1.57**	16.0	0.118			0.0181		0.475	**0.0490**	5.87	**0.00075**	**0.00075**	**0.155**		2.82	**0.0155**
08/15/07	6.95	12.56	8.63	81.1	0.055	79.6	2.26	22.4	50.0	45.0	2.80	**1.57**	21.4	**0.0155**			0.0178		0.376	**0.0340**	5.25	**0.00075**	**0.00075**	**0.350**		3.23	**0.0374**
09/15/07	6.49	8.86	11.77	101.3	0.033	128.5	5.97	14.8	37.0	40.0	11.40	**1.57**	11.7	**0.0655**			0.0348		0.600	**0.0330**	3.95	**0.00075**	**0.00075**	**0.155**		2.93	**0.0155**
10/13/07	6.72	1.74	10.07	72.4	0.020	91.4	1.77	16.2	40.0	36.3	3.85	**1.57**	11.0	0.126			0.0938		0.698	**0.0310**	5.25	**0.00075**	**0.00075**	**0.410**		1.50	**0.0155**
11/09/07	6.33	0.17	11.45	78.8	0.043	142.8	1.27	16.3	45.0	35.0	2.80	**1.57**	10.8	0.129			0.0160		0.787	**0.0310**	6.66	**0.00075**	**0.00075**	**0.155**		1.96	**0.0155**
12/08/07	6.98	0.08	9.23	63.3	0.045	115.9	0.74	19.7	47.2	40.0	**0.638**	**3.50**	13.8	0.171			0.0101		0.627	**0.039**	6.25	**0.00075**	**0.00075**	**0.155**		1.17	**0.0155**
01/23/08	7.43	0.00	8.29	56.6	0.080	86.3	2.84	32.8	85.3	**1.55**	**0.600**	11.0	25.9	0.236			0.0151		0.740	**0.0380**	12.0	**0.00075**	**0.00075**	**0.410**		1.52	**0.0155**
02/19/08	7.31	0.00	4.92	33.7	0.080	22.5	3.66	29.2	81.7	16.3	3.78	13.1	**1.55**	0.138			0.0166		0.713	**0.0450**	11.0	**0.00075**	**0.0025**	**0.490**		1.51	**0.0155**
03/14/08	6.96	0.00	6.18	42.6	0.077	92.8	3.09	27.6	80.4	63.8	2.29	16.1	28.1	0.120			0.0152		0.708	**0.0460**	10.8	**0.0025**	**0.0025**	**0.155**		1.04	**0.0359**
03/26/08	7.00	0.04	5.44	37.1	0.060	80.3																					
04/20/08	7.61	-0.07	7.15	49.1	0.085	186.4	3.95	33.3	84.2	71.3	2.50	**7.46**	29.7	0.178			0.0135		0.779	**0.0580**	10.3	**0.00075**	**0.00075**	**0.155**		1.13	**0.050**
05/28/08	7.12	3.69	11.47	86.8	0.029	155.5	1.79	10.6	18.8	43.8	0.70	**3.44**	**8.94**	0.379			0.0172		0.562	**0.0155**	3.75	**0.00075**	**0.00075**	**0.155**		2.65	**0.0155**
06/16/08	6.97	8.38	8.20	70.2	0.030	157.3	1.09	13.1	33.7	33.8	1.73	**1.57**	**9.78**	**0.079**			**0.0082**		0.521	**0.0155**	3.94	0.01100	**0.00075**	**0.155**		1.22	0.142
07/19/08	6.42	7.90	7.77	65.4	0.038	213.0	2.49	15.6	42.1	32.5	1.62	**1.57**	13.1	**0.055**			0.0175		0.411	**0.038**	4.80	**0.0025**	**0.0025**	**0.155**		1.81	**0.050**
08/20/08	7.40	12.10	6.59	61.3	0.056	18.1	0.39	22.4	53.1	30.0	3.62	**1.57**	22.9	**0.050**			0.0186		0.474	**0.048**	5.69	**0.0025**	**0.00075**	**0.155**		2.36	**0.050**
09/17/08	6.83	7.54	9.40	78.6	0.037	157.6	1.68	18.3	51.4	36.3	2.02	**1.57**	15.7	**0.0425**			0.0725		0.650	**0.053**	5.88	**0.00075**	**0.00075**	**0.155**		4.09	**0.050**
10/18/08	6.16	0.35	10.11	70.0	0.039	192.1	0.64	15.7	43.1	43.8	0.62	**3.68**	13.0	**0.087**			**0.0053**		0.928	**0.059**	4.76	**0.00075**	**0.00075**	**0.155**		1.77	**0.0155**
11/19/08	6.30	0.05	7.08	48.5	0.060	516.5	2.65	28.7	77.7	56.3	**0.417**	**3.62**	23.8	0.146			0.0664		0.740	**0.046**	11.7	**0.00075**	**0.00075**	**0.155**		1.11	**0.050**
12/07/08	6.45	0.06	8.38	57.4	0.071	217.6	2.12	25.4	72.2	50.0	**0.1515**	**1.57**	20.7	0.166			**0.0092**		0.727	**0.033**	10.8	**0.00075**	**0.00075**	**0.155**		2.53	**0.050**
Mean	6.84	5.70	9.04	69.5	0.055	118.0	3	21.2	55.0	42.6	2.96	3.78	18.0	0.212	0.0184	0.1986	0.0307	0.0400	0.711	0.0400	7.76	0.00170	0.00160	0.219	NA	2.03	0.0330
Median	6.95	1.70	8.91	69.3	0.05	142.8	2	19.7	49.0	40.0	1.85	1.75	15.7	0.126	0.0155	0.0870	0.0170	0.0500	0.708	0.0380	6.66	0.00125	0.00125	0.155	NA	1.81	0.0155
St. Deviation	0.74	6.70	2.26	19.7	0.021	126.0	2	7.60	21.0	16.0	3.54	3.58	8.00	0.464	0.0101	0.3304	0.0528	0.0200	0.197	0.0160	3.98	0.00260	0.00200	0.136	NA	0.85	0.0281
# of values	52	52	52	46	52	51	46	49	49	49	49	49	51	47	12	12	49	10	49	49	49	49	49	49	0	19	49
Minimum	4.39	-0.17	4.92	33.7	0.02	-259.2	0.39	8.63	18.8	1.55	0.15	0.785	1.55	0.0155	0.0155	0.0155	0.00165	0.0155	0.376	0.0155	0.898	0.00075	0.00075	0.0295	NA	1.04	0.0155
Maximum	8.85	23.45	14.9	120	0.108	516.5	11.2	42.6	110	96.2	16.0	16.1	40.0	3.10	0.0505	1.21	0.368	0.050	1.21	0.081	19.0	0.0160	0.0140	0.780	NA	4.09	0.147
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	6%	49%	2%	15%	92%	8%	8%	100%	0%	20%	0%	90%	90%	61%		0%	84%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	7	17	6	14	1	7	11	0	0	39	0	3	3	19		0	6
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.02
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	33%	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	NA	0%	0%
% of DWS exceedences	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100F																														
Sample Date																														
05/18/04	75.1	**12.5**	1.35	**0.100**	**0.250**	**0.125**	3.25	2.94	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2470	2560	**0.100**	**0.0500**	**0.0793**		1.95	1.48	579	165	**0.100**	**0.100**	600	635
06/01/04																														
06/16/04	36.9	**12.5**	**0.0385**	0.208	**0.394**	**0.316**	2.28		**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4390	4160	**0.0500**	**0.168**	**0.050**		1.82	1.44	350	208	**0.153**	**0.050**	1140	919
07/14/04	90.3	31.1	**0.0385**	0.230	1.04	0.911	3.95	2.46	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6250	6540	**0.100**	**0.100**	0.142		2.64	2.21	1010	578	**0.050**	**0.050**	1590	1500
08/16/04																														
08/24/04	33.2	**12.5**	**0.0385**	**0.0385**	0.656	0.553	3.29	3.06	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6540	6470	**0.187**	**0.159**	**0.050**		1.53	1.32	738	552	**0.050**	**0.050**	1840	1830
09/14/04	43.4	28.9	**0.0385**	**0.0385**	0.552	**0.415**	4.49	3.79	**0.0075**	**0.0075**	**0.750**	**0.750**	**4.30**	**1.55**	**0.0155**	**0.0155**	6460	6290	**0.121**	0.234	**0.050**		1.52	1.36	578	370	**0.050**	**0.050**	1830	1820
10/16/04	300	**12.5**	**0.0385**	**0.115**	0.698	**0.326**	7.37	3.85	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0446**	**0.0155**	4100	4020	0.441	0.221	0.189		3.35	1.50	828	151	0.757	**0.107**	1100	1050
01/26/05	14.9	7.50	0.0328	0.0276	**0.125**	**0.292**	5.58	6.56	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.60**	**1.55**	0.0684	**0.025**	7310	7710	0.455	0.437	0.0792	0.0802	2.17	1.90	447	243	**0.0155**	**0.0556**	2110	2020
03/19/05	3.19		0.0246	0.0281	0.182		4.91		**0.001495**	**0.00346**	**0.003835**	**0.003835**	1.87	1.56	**0.00778**	**0.00883**	7860	7040	**0.03565**	**0.130**	0.0741	0.0735	1.09		75.8		**0.035**	**0.035**	1820	1610
05/04/05	73.8	16.8	0.0354	0.0246	0.393	0.253	4.72	3.31	**0.00605**	**0.001495**	**0.003835**	**0.003835**	1.68		**0.0158**	**0.010**	3450	3070	**0.03565**	**0.03565**	0.250	0.210	2.27	1.70	564	269	**0.035**		831	831
06/05/05	85.3	7.61	0.0574	0.0642	**0.278**	**0.331**	3.01	2.67	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.025**	3500	3570	**0.0310**		0.0878	0.0240	1.70	1.21	490	133	**0.050**		825	811
07/09/05	32.3	18.3	0.0294		0.921	**0.297**	3.14	2.54	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	5980	5990	0.312	**0.100**	0.0828	0.0654	1.88	1.61	933	603	**0.0155**		1400	1420
08/18/05	52.6	23.5	0.116		1.00	0.648	4.16	3.83	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6460	6610	0.500	0.595	0.0966	0.0656	2.05	1.81	1030	508	**0.050**	**0.050**	1640	1660
09/15/05	163	21.5	0.051	0.0572	0.546	**0.382**	5.77	4.10	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.025**	4730	4470	**0.132**	**0.142**	0.127	0.0558	2.65	1.78	741	205	0.213	0.242	1100	1030
10/29/05	24.9	13.8	0.0358	0.0442	**0.125**	**0.125**	5.25	5.38	**0.0075**	**0.0075**	**0.00155**	**0.0086**	**1.55**	**6.10**	**0.00775**	**0.00775**	6740	6950	0.557	0.638	0.085	0.0978	2.22	1.84	434	150	**0.0354**		1600	1700
01/18/06	12.0	4.40	**0.0366**	**0.0454**	**0.454**	**0.362**	6.82	7.18	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	8650	9240	0.448		0.111	0.127	2.11	1.39	642	39.4	1.97	0.414	2210	2220
02/07/06	11.6	2.92	**0.0444**	0.0576	**0.155**	**0.155**	8.67	9.56	**0.012**	**0.0120**	**0.0075**	**0.0075**	**2.06**	**2.63**	**0.0125**	**0.0125**	10900	11800	0.507	0.563	0.103	0.118	2.01	1.30	602	24.1	0.219	0.263	2660	2920
03/14/06	14.9	3.43	**0.025**	**0.025**	**0.155**	**0.348**	6.90	6.70	**0.012**	**0.0120**	0.0610	**0.0250**	**2.50**	**2.50**	**0.0125**	**0.0125**	9500	9740	0.405		0.104	0.104	1.65	1.20	672	48.7	1.25	0.269	2260	2520
04/04/06																														
05/22/06	353	15.5	**0.0250**	**0.0250**	0.607	**0.155**	6.78	3.06	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	2340	2280	0.429	0.211	0.302	0.114	3.55	1.53	1100	280	4.64	0.317	710	590
06/18/06	66.2	16.0	**0.0474**	**0.0448**	**0.155**	**0.155**	3.51	3.02	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**1.81**	**0.0125**	**0.0125**	4360	3830	0.835	**0.0500**	0.0708	0.0528	2.48	1.51	340	123	1.21		1040	930
06/19/06	43.2	13.7	**0.0462**	**0.0340**	**0.155**	**0.155**	3.82	3.13	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	4650	4310	0.494	0.408	0.0708	0.0486	2.30	1.74	391	138	0.110		1100	1030
07/22/06	73.5	11.2	0.0524	0.0512	**0.496**	0.520	4.43	3.19	**0.120**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6510	5990	0.554	0.636	0.131	0.0594	2.55	2.21	712	250	**0.050**		1580	1440
08/17/06	40.5	20.3	**0.0266**	**0.0228**	**0.480**	**0.155**	4.31	3.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4760	4070	0.674	0.366	0.0744	0.0596	2.45	2.12	468	204	0.108	0.140	1180	1050
09/13/06	39.5	16.0	**0.0250**	**0.0250**	**0.155**	**0.155**	4.50	4.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5370	4920	**0.0500**	**0.0500**	0.0790	0.0556	2.81	2.19	514	259	**0.050**		1300	1230
11/01/06	37.5	9.00	**0.0250**	**0.0250**	**0.155**	**0.155**	4.83	5.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5460	5540	0.292	**0.100**	0.0920	0.0672	2.16	1.44	320	109	**0.050**		1370	1420
12/11/06	15.4	4.21	**0.0288**	**0.0246**	**0.155**	**0.155**	7.01	7.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8170	8090	**0.0500**	**0.0500**	0.134	0.117	1.88	1.13	510	95.9	**0.050**	**0.050**	2000	2040
01/19/07	11.2	3.42	**0.0250**	**0.0250**	**0.367**	**0.155**	8.00	7.79	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8680	9490	**0.0500**	**0.0500**	0.202	0.166	1.66	1.15	573	40.7	0.200		2130	2090
02/18/07	5.16		**0.0250**	**0.0250**	**0.155**	**0.333**	6.09	6.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0168**	5330	5880	0.477	0.547	**0.0134**	0.0210	0.176		**10.0**	**10.0**	0.610	0.239	713	771
03/16/07	22.7	3.82	0.0532	**0.0250**	**0.155**	**0.155**	8.10	7.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0318**	**0.0198**	12000	12000	0.364	0.292	0.0832	0.0890	2.33	2.25	567	74.9	**0.050**	**0.050**	3060	3000
03/31/07																														
04/21/07	35.1	14.8	**0.0222**	**0.0292**	**0.155**	**0.155**	5.25	5.15	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5250	5120	0.285	0.376	0.0934		2.60		436	207	**0.0374**	**0.0650**	1370	1350
05/11/07	36.0	12.8	**0.0334**	**0.0372**	**0.387**	**0.155**	4.03	3.78	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3740	3740	0.483	0.507	0.121	0.133	4.29	2.86	619	349	**0.050**	**0.050**	913	936
06/17/07	44.2	13.1	0.0554	0.0714	0.529	**0.442**	3.81	3.71	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4960	4880	**0.100**	0.221	0.0718	0.0512	2.12	1.52	403	213	0.197	**0.050**	1180	1200
07/12/07	27.9	18.5	**0.0250**	0.0554	0.562	0.612	3.17	3.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5900	6290	0.281	0.279	0.0912	0.0786	2.22	2.03	571	449	**0.0155**	**0.0155**	1340	1470
08/15/07	31.5	7.97	**0.0402**	**0.0468**	0.761	0.513	3.65	3.42	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6460	6380	0.202	**0.187**	0.0682	0.0444	1.92	1.61	621	255	**0.0155**	**0.050**	1530	1520
09/15/07	159	13.2	0.0558	0.0662	0.704	**0.155**	5.15	3.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4360	4680	0.354	0.241	0.158	0.0406	2.51	1.61	807	151	**0.050**	**0.050**	951	999
10/13/07	96.6	14.8	0.0648	0.0632	**0.407**	**0.155**	5.03	4.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4730	4490	0.455	0.449	0.105	0.0626	2.10	1.13	416	150	**0.050**	**0.050**	1070	1020
11/09/07	60.0	17.0	**0.0312**	**0.0300**	**0.155**	**0.155**	4.15	3.71	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0164**	4700	4800	**0.100**	0.222	0.0840	0.0502	1.85	1.73	341	161	**0.050**	**0.050**	1120	1160
12/08/07	18.0	13.5	0.0568	0.0808	**0.359**	**0.155**	4.55		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5730	6370	**0.100**	0.312	0.0884	0.0936	1.59	1.84	253	163	**0.0155**	0.106	1310	1460
01/23/08	8.11	8.04	**0.0378**	**0.0326**	**0.155**	**0.155**	7.50	6.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0150**	**0.0075**	9360	9260	0.380	0.388	0.184	0.189	1.86	1.89	280	291	**0.050**	**0.050**	2290	2180
02/19/08	19.9	5.49	**0.0250**	**0.0250**	**0.155**	**0.155**	6.58	6.59	**0.0125**	0.0502	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0250**		8460	8720	0.261	0.328	0.136		1.67	1.60	782	255	**0.050**	**0.050**	1950	2010
03/14/08	12.8	5.19	**0.0244**	**0.0220**	**0.155**	**0.155**	5.69	5.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7900	7570	**0.0500**	**0.0500**	0.137	0.126	1.30	1.27	795	255	**0.0155**	**0.0155**	1920	1850
03/26/08																														
04/20/08	40.3	9.64	**0.0075**	**0.0161**	**0.155**	**0.155**	7.51	6.88	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0178**	**0.0151**	9320	8900	0.419	0.403	0.178	0.163	2.14	1.66	975	381	**0.050**	**0.050**	2430	2370
05/28/08	34.3	18.2	**0.0075**	**0.0307**	**0.395**	**0.155**	3.11	2.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3040	2800	**0.100**	**0.0500**	0.104	0.0878	1.71	1.61	379	222	**0.0155**	**0.0155**	716	648
06/16/08	71.4	17.7	**0.0075**	**0.0075**	**0.433**	**0.374**	3.50	2.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3840	3730	0.294	0.272	0.0843	0.0412	1.95	1.84	329	141	**0.050**		853	826
07/19/08	33.4	8.28	**0.0431**	0.0517	**0.454**	**0.155**	3.26	3.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4590	5070	**0.100**	**0.100**	0.0497	0.0338	1.46	1.22	412	115	**0.0155**	**0.0155**	1010	1100
08/20/08	72.5	14.0	**0.0476**	**0.036**	0.718	**0.155**	3.31	3.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6420	6630	**0.117**	0.267	0.104	0.0625	1.91	1.40	595	286	**0.0155**	**0.0155**	1540	1540
09/17/08	33.1	12.2	**0.0284**	**0.0322**	**0.155**	**0.155**	2.91	2.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5190	5210	**0.100**	**0.100**	0.0506	0.0376	2.17	1.69	446	157	**0.0155**	**0.0155**	1290	1300
10/18/08	20.1	13.7	0.0536	0.0537	**0.393**	**0.359**	3.41	3.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4540	4500	0.219	0.226	0.0436	0.0416	1.28	1.32	202	102	**0.0155**	**0.0155**	1060	1060
11/19/08	12.6	6.04	**0.0075**	**0.0075**	**0.155**	**0.155**	5.99	6.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8130	8380	**0.100**	0.231	0.0906	0.0977	1.56	1.24	458	120	**0.0155**	**0.0155**	2030	2160
12/07/08	22.3	8.72	**0.0244**	0.0685	**0.336**	**0.155**	5.44	5.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7130	7520	**0.0500**	**0.0500**	0.127	0.117	1.59	1.38	525	122	0.514	**0.0506**	1860	1930
Mean	54.4	12.7	0.0635	0.0488	0.380	0.268	4.94	4.56	0.0131	0.0116	0.0990	0.0984	1.53	1.46	0.01347	0.0123	6050	6070	0.270	0.252	0.1058	0.0835	2.06	1.63	548	216	0.2751	0.088	1480	1470
Median	35.1	12.8	0.0358	0.0360	0.367	0.155	4.55	3.79	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0113	5730	5990	0.261	0.224	0.0912	0.0672	2.01	1.61	525	185	0.0500	0.050	1370	1420
St. Deviation	66.4	6.30	0.1885	0.0425	0.247	0.171	1.62	1.79	0.0158	0.0063	0.2458	0.2460	0.860	0.760	0.01075	0.0054	2140	2270	0.200	0.175	0.0533	0.0446	0.640	0.360	236	141	0.7391	0.096	560.0	590.0
# of values	49	47	49	47	49	48	49	46	49	49	49	49	49	48	49	48	49	49	49	46	49	41	49	46	49	48	49	38	49	49
Minimum	3.19	2.92	0.0075	0.0075	0.125	0.125	2.28	2.46	0.001495	0.001495	0.00155	0.00155	0.750	0.750	0.0075	0.0075	2340	2280	0.031	0.03565	0.0134	0.021	0.176	1.13	10.0	10.0	0.0155	0.0155	600	590
Maximum	353	31.1	1.35	0.230	1.04	0.911	8.67	9.56	0.120	0.0502	0.750	0.750	5.00	6.10	0.0684	0.025	12000	12000	0.835	0.638	0.302	0.21	4.29	2.86	1100	603	4.64	0.414	3060	3000
% of values undetected	0%	9%	35%	28%	41%	58%	0%	0%	98%	96%	98%	98%	90%	92%	86%	90%	0%	0%	37%	30%	6%	0%	0%	0%	2%	2%	67%	68%	0%	0%
# of values between MDL and PQL	0	0	16	16	14	13	0	0	1	1	0	1	3	3	6	5	0	0	4	5	2	0	0	0	0	0	3	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.053	0.053	NA	NA	10.98	10.56276	NA	NA	1.432	1.375	1000	1000	0.195	0.217	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	92%	74%	6%	0%	22%	16%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100F																									
Sample Date																									
05/18/04	15.6	13.2	**0.0005**		0.336	**0.155**	0.227	0.360	244	256	**0.155**	**0.155**	2580	**0.00310**	**0.00310**	1400	1490	**0.0125**	**0.0125**	**0.155**	**0.155**	0.569	**0.125**	3.46	4.59
06/01/04																									
06/16/04	20.6	18.8	0.0012		0.647	0.535	0.237		248	231	**0.155**	**0.155**	1940	**0.00310**	**0.00310**	2130	1890	**0.0125**	**0.0125**	**0.155**	**0.155**	0.415	0.287	1.86	1.85
07/14/04	97.6	23.0	0.0013		1.28	1.01	0.411		212	200	**0.155**	**0.155**	1940	**0.0031**	**0.0031**	2620	2610	**0.0125**	**0.0125**	**0.155**	**0.155**	0.74	0.639	2.07	2.18
08/16/04																									
08/24/04	41.7	35.9	**0.0005**		0.533	0.506	0.234		171	169	**0.155**	**0.155**	1550	**0.0031**	**0.0031**	2760	2730	**0.0125**	**0.0125**	**0.155**	**0.155**	0.297	0.299	**0.750**	**0.750**
09/14/04	29.1	24.2	**0.0005**		0.649	0.579	0.339		228	221	**0.155**	**0.155**	875	**0.0031**	**0.0031**	2920	2880	**0.0125**	**0.0125**	**0.155**	**0.155**	0.429	0.286	**0.750**	**0.750**
10/16/04	56.7	23.5	0.0021		0.387	0.369	0.520	0.658	367	323	**0.155**	**0.155**	3770	0.0079	**0.0031**	2010	1990	**0.0125**	**0.0125**	**0.155**	**0.155**	0.786	**0.125**	5.44	3.39
01/26/05	33.6	33.7	**0.0005**		0.532	0.573	0.433	0.498	467	478	**0.0775**	**0.0775**	6220	**0.0031**	**0.0031**	2910	2840	**0.00310**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	2.66	
03/19/05	34.4	39.7	**0.000147**		0.476	0.482	0.232	0.184	428	487	0.107	0.134	4490	**0.001435**	**0.00500**	2610	2360	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.0727		3.40	1.59
05/04/05	80.8	57.5	**0.000147**		0.269	0.214	0.226		562	588	**0.0684**	**0.0640**	2600	**0.00461**	**0.001435**	1220	1150	**0.002125**	**0.002125**	**0.0984**	**0.0302**	0.288	0.126	2.54	
06/05/05	20.1	4.69	**0.000450**		0.370	0.418	0.287		220	254	**0.0775**	**0.0775**	2730	**0.0031**	**0.0031**	1910	1980	**0.0031**	**0.0031**	**0.031**	**0.031**	0.400	**0.100**	**0.750**	1.96
07/09/05	79.8	25.0	**0.0025**		0.830	0.869	0.328		225	225	**0.0775**	**0.0775**	2110	**0.0031**	**0.0031**	2570	2660	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.316**	**0.350**	19.8	18.9
08/18/05	48.1	30.0	**0.000450**		0.545	0.487	0.438	0.451	239	242	**0.0775**	**0.0775**	2450	**0.0031**	**0.0031**	2920	2970	**0.0031**	**0.0031**	**0.031**	**0.031**	0.498	**0.100**	5.43	
09/15/05	27.4	7.66	**0.0025**		0.360		0.461	0.551	408	388	**0.0775**	**0.0775**	4050	**0.0031**	**0.0031**	2140	2100	**0.0031**	**0.0031**	**0.031**	**0.031**	0.591	**0.100**	5.67	4.42
10/29/05	29.8	29.0	**0.000450**		0.372		0.418		395	430	**0.0775**	**0.0775**	6550	**0.0031**	0.0098	2500	2790	**0.0031**	**0.0031**	**0.031**	**0.031**	0.549	0.209	2.55	3.57
01/18/06	68.9	73.2	0.00145		0.549	0.587	0.700		530	570	**0.155**	**0.155**	7510	**0.0031**	**0.0031**	3140	3270	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	5.14	3.69
02/07/06	56.3	59.5	**0.000475**		0.523		0.773		675	740	**0.155**	**0.155**	9270	**0.0031**	**0.0031**	3960	4320	**0.0050**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	7.26	4.57
03/14/06	64.3	58.9	**0.000475**		0.537	0.482	0.406		593	595	**0.155**	**0.155**	7530	**0.0031**	**0.0031**	3190	3580	0.0108	0.0144	**0.0155**	**0.0155**	0.684	**0.110**	9.49	8.99
04/04/06																									
05/22/06	68.4	39.6	**0.00250**		0.391	0.237	0.341		507	480	**0.155**	**0.155**	1650	**0.0031**	**0.0031**	1100	1110	0.0146	**0.0025**	**0.0155**	**0.0155**	0.793	**0.110**	4.75	3.26
06/18/06	20.8	12.1	**0.00250**		0.434	0.433	0.301		354	305	**0.155**	**0.155**	437	**0.0031**	**0.0031**	2030	1850	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.250**	**0.110**	8.01	
06/19/06	19.2	11.0			0.543	0.434	**0.0310**		368	346	**0.155**	**0.155**	225	**0.0031**	**0.0031**	2000	1930	0.0156	**0.0025**	**0.0155**	**0.0155**	0.588	0.652	0.692	
07/22/06	74.1	16.9	0.000978		0.728	0.648	0.388		242	225	**0.155**	**0.155**	2190	**0.0310**	**0.0031**	2630	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	0.575	**0.250**	3.29	
08/17/06	25.3	16.2	**0.00250**		0.422	0.385	0.312	0.477	229	185	**0.155**	**0.155**	3220	**0.0031**	**0.0031**	2050	1830	**0.0050**	0.0122	**0.050**	**0.050**	**0.250**	**0.250**	1.71	1.81
09/13/06	24.3	18.1	**0.000475**		0.467	0.422	0.331	0.530	374	352	**0.155**	**0.155**	2800	**0.0031**	**0.0031**	2200	2210	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.40	1.51
11/01/06	30.9	25.5	**0.000475**		0.390	0.356	0.338	0.293	344	361	**0.155**	**0.155**	5340	**0.0031**	**0.0031**	2390	2430	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.61	3.31
12/11/06	110	97.9	**0.000475**		0.579	0.518	0.450	0.458	502	494	**0.155**	**0.155**	4280	**0.0031**	**0.0031**	2940	3000	**0.0050**	**0.0050**	**0.050**	**0.050**	0.612	0.563	3.55	
01/19/07	107	95.3	**0.000169**		0.658	0.582	0.672	0.770	565	557	**0.155**	**0.155**	6900	**0.0031**	**0.0031**	2850	2810	0.0824	0.0670	**0.050**	**0.050**	1.53	1.50	2.44	
02/18/07	0.418	0.361	**0.000169**		0.0700	0.113	**0.100**	0.268	169	202	**0.155**	**0.155**	4190	**0.0031**	**0.0031**	1710	1730	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.12	
03/16/07	35.4	29.6	**0.000169**		0.756	0.720	0.613		685	681	**0.155**	**0.155**	5510	**0.0031**	**0.0031**	4350	4310	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.96	
03/31/07																									
04/21/07	38.9	39.9	**0.00250**		0.450	0.457	0.338		714	711	**0.155**	**0.155**	3080	**0.0031**	**0.0031**	2180	2200	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.72	
05/11/07	47.8	45.0	0.000772		0.444	0.427	0.359		502	516	**0.155**	**0.155**	2450	**0.0031**	**0.0031**	1490	1500	**0.0050**	**0.0050**	**0.050**	**0.050**	0.343	**0.155**	5.36	6.19
06/17/07	33.9	25.6	0.000527		0.598	0.593	0.258	0.294	351	357	**0.155**	**0.155**	2200	**0.0031**	**0.0031**	2160	2180	**0.0050**	**0.0050**	**0.050**	**0.050**	0.348	**0.155**	1.68	1.61
07/12/07	45.5	22.7	**0.00250**		0.733	0.769	0.341	0.396	207	246	**0.155**	**0.155**	2890	**0.0031**	**0.0031**	2340	2540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.01	1.24
08/15/07	35.6	16.4	0.000603		0.774	0.748	0.279	0.373	227	241	**0.155**	**0.155**	2410	**0.0031**	**0.0031**	2500	2470	**0.0050**	**0.0050**	**0.050**	**0.050**	0.408	**0.155**	1.16	1.21
09/15/07	52.2	12.3	**0.00250**		0.456	0.446	0.307	0.382	334	350	**0.155**	**0.155**	3400	**0.0031**	**0.0031**	1890	2010	0.0156	**0.0050**	**0.050**	**0.050**	0.835	**0.155**	2.69	2.33
10/13/07	35.6	26.1	0.000893		0.415	0.387	0.291	0.289	284	280	**0.155**	**0.155**	4970	**0.0031**	**0.0031**	2020	1910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.87	2.21
11/09/07	23.7	16.1	**0.00250**		0.342	0.328	0.320	0.379	270	280	**0.155**	**0.155**	4610	**0.0031**	**0.0031**	1940	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.83	2.16
12/08/07	25.5	23.9	0.00102		0.435	0.452	0.365	0.467	318	375	**0.155**	**0.155**	6050	**0.0031**	**0.0031**	2360	2580	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.45	
01/23/08	114	122	**0.00075**		0.666	0.617	0.554	0.596	536	522	**0.155**	**0.155**	7450	**0.0031**	**0.0031**	3120	3140	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.48	3.48
02/19/08	101	88.4	**0.00075**		0.526	0.559	0.335	0.474	473	502	**0.155**	**0.155**	7010	**0.0031**	**0.0031**	2900	2930	**0.0050**	0.0226	**0.050**	**0.050**	**0.155**	**0.155**	2.21	2.65
03/14/08	92.5	84.9	**0.00075**		0.527	0.488	0.384		421	409	**0.155**	**0.155**	5890	**0.0031**	**0.0031**	2660	2570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.33	1.75
03/26/08																									
04/20/08	130	121	**0.00075**		0.583	0.541	0.500	0.654	551	540	**0.155**	**0.155**	7110	0.0309	**0.0031**	3270	3210	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.61	2.50
05/28/08	25.8	20.7	0.00164		0.0851		**0.100**	0.254	341	296	**0.155**	**0.155**	2710	**0.0031**	**0.0031**	1410	1330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.74	1.93
06/16/08	24.0	10.5	0.00284		0.340	0.337	0.243		288	324	**0.155**	**0.155**	3420	**0.0031**		1830	1840	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.45	
07/19/08	19.2	11.7	**0.00075**		0.471	0.518	0.252	0.351	190	215	**0.155**	**0.155**	2920	**0.0031**	**0.0031**	1860	1940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.71	1.32
08/20/08	60.7	34.7	**0.00075**		0.703	0.678	0.246	0.333	177	198	**0.155**	**0.155**	2330	**0.0031**	**0.0031**	2510	2510	**0.0050**	**0.0050**	**0.050**	**0.050**	0.510	**0.155**	1.58	1.71
09/17/08	13.5	7.56	**0.00075**		0.465	0.452	0.234	0.287	314	327	**0.155**	**0.155**	2970	**0.0031**	**0.0031**	2370	2330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.55	
10/18/08	14.4	13.4	**0.00075**		0.316	0.328	0.247	0.292	276	280	**0.155**	**0.155**	4720	**0.0031**	**0.0031**	2070	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.29	2.28
11/19/08	72.1	77.6	**0.00075**		0.459	0.483	0.454	0.507	488	506	**0.155**	**0.155**	6990	**0.0031**	**0.0031**	2910	3110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.11	2.58
12/07/08	90.5	87.4	**0.00075**		0.506	0.487	0.405		444	493	**0.155**	**0.155**	6390	**0.0031**	**0.0031**	2610	2740	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.17	
Mean	49.3	37.3	0.00108	NA	0.509	0.494	0.354	0.422	373	379	0.143	0.143	4020	0.0043	0.0032	2400	2420	0.0078	0.0073	0.057	0.055	0.353	0.222	3.17	3.18
Median	35.6	25.5	0.00075	NA	0.476	0.483	0.338	0.389	351	350	0.155	0.155	3400	0.0031	0.0031	2370	2430	0.0050	0.0050	0.050	0.050	0.250	0.155	2.17	2.25
St. Deviation	31.5	31.0	0.00084	NA	0.192	0.171	0.145	0.140	147	151	0.0280	0.0280	2160	0.0056	0.0010	640.0	690.0	0.0115	0.0096	0.040	0.039	0.276	0.226	3.12	3.22
# of values	49	49	48	0	49	45	49	28	49	49	49	49	49	49	48	49	49	49	49	49	49	49	48	49	34
Minimum	0.418	0.361	0.000147	NA	0.0700	0.113	0.0310	0.184	169	169	0.0684	0.064	225	0.001435	0.001435	1100	1110	0.002125	0.002125	0.0155	0.0155	0.0727	0.100	0.692	0.750
Maximum	130	122	0.00284	NA	1.28	1.01	0.773	0.770	714	740	0.155	0.155	9270	0.0310	0.0098	4350	4320	0.0824	0.0670	0.155	0.155	1.53	1.50	19.8	18.9
% of values undetected	0%	0%	75%		0%	2%	6%	0%	0%	0%	96%	96%	0%	94%	98%	0%	0%	90%	92%	98%	100%	51%	79%	6%	6%
# of values between MDL and PQL	0	0	9		5	4	0	0	0	0	1	1	0	2	1	0	0	1	1	1	0	9	6	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	8.16	8.14	NA	NA	5	4.6	NA	0.0934076	0.079	NA	NA	NA	NA	NA	NA	NA	NA	18.69	18.43
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	3%
% of DWS exceedences	39%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100G																											
Sample Date																											
04/28/04	6.80	1.12	11.7		0.044	246.0	5.0	17.3	46.0	51.3	5.60	**1.57**	13.0				0.0440		0.871	0.0320	6.85	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/18/04	6.40	5.44	10.18		0.042	359.0	4.3	12.4	39.0	37.5	2.42	**1.57**	**8.50**	0.0410			**0.0155**		0.600	0.0460	6.62	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/01/04													13.0														
06/15/04								22.8	70.0	77.5	2.05	**3.80**	20.5				**0.0155**		0.574	0.0770	11.4	0.00800	**0.00125**	**0.065**			**0.0155**
06/16/04	6.72	8.93	9.99	80.1	0.064	265.0	0.9																				
07/15/04	6.76	15.14	10.68		0.079	51.0	9.8	26.6	81.0	60.0	1.60	**3.90**	27.0	**0.310**			**0.0155**		0.579	**0.050**	9.08	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/16/04													28.5														
08/25/04	6.76	11.36	9.59		0.086	228.0	1.5	29.1	85.0	63.8	1.00	**6.60**	30.5	**0.155**			**0.0155**		0.683	0.058	9.56	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/14/04	6.66	7.37	13.63		0.089	230.0	3.1	28.4	80.0	65.0	1.10	**5.40**	26.5	0.910			**0.0155**		0.791	0.061	11.4	0.0025	**0.00125**	0.230			**0.0155**
10/16/04	6.30	4.00	12.45	96.0	0.066			19.9	70.0	45.0	2.40	**3.20**	15.0	0.760			**0.0155**		1.120	**0.0155**	12.9	**0.00125**	**0.00125**	0.280			**0.0155**
01/25/05	7.48	0.01	11.17		0.086	-41.0	12.8																				
01/26/05								28.0	80.0	57.5	5.10	6.25	23.5	0.160			0.0548		0.787	0.055	14.9	**0.00125**	**0.00125**	0.270			**0.050**
03/17/05	6.99	0.05	11.82	80.4	0.089	28.0	6.6	31.7	85.0	52.5	3.60	8.25	25.0	0.100			0.0507		0.966	0.051	14.4	**0.00125**	**0.00125**	0.230			0.095
05/04/05	5.37	3.20	11.22	83.8	0.041	171.3	2.38	13.8	33.0	37.5	5.41	**4.75**	10.0	0.150			0.0345		0.610	**0.0155**	5.00	**0.00125**	**0.00125**	0.680			**0.0155**
06/05/05	7.09	9.73	9.96	88.2	0.061	117.0	6.1	20.3	55.0	38.8	2.50	**2.38**	14.0	**0.0155**			0.0350		0.587	0.036	9.39	**0.00125**	**0.00125**	0.410			**0.0155**
07/11/05	6.11	16.34	6.40	65.4	0.072	-102.2	2.64	29.7	75.0	45.0	2.30	**1.63**	24.5	0.116			0.0545		0.513	**0.050**	9.37	**0.0025**	**0.0025**	0.560			0.076
08/15/05	6.92	17.80	8.85	91.9	0.077	89.3	2.56	33.4	75.0	46.3	1.13	**3.75**	27.5	**0.0155**			0.0240		0.585	0.047	9.11	0.0048	0.0078	0.430			**0.0155**
09/12/05	6.21	9.20	9.85	85.6	0.048	116.6	1.33	18.9	46.0	40.0	1.84	**3.25**	14.0	0.993			0.0200		0.925	0.033	6.78	**0.00125**	**0.00125**	0.630			**0.050**
10/29/05	6.14	1.12	12.98	91.1	0.077	125.3	1.86	26.5	80.0	63.8	2.65	**2.75**	20.0	0.105			0.0180		0.900	0.044	15.6	**0.00125**	**0.00125**	0.240			**0.050**
01/18/06	7.37	0.03	8.15	56.6	0.087	12.3	1.75	32.7	80.0	38.8	2.19	5.00	24.5	0.215			**0.00165**		0.812	0.052	16.4	**0.0025**	**0.0025**	0.160			**0.050**
02/09/06	6.20	-0.01	10.72	73.3	0.049	56.7	2.66	30.9	100	78.8	2.00	8.00	26.0	0.125			0.0240		0.830	0.039	18.6	**0.00125**	**0.00125**	**0.0295**			**0.0155**
03/13/06	7.05	0.14	8.70	60.0	0.094	-171.4	2.21	36.4	95.0	77.5	1.30	9.75	30.0	0.128			0.0150		0.773	0.033	15.7	**0.00125**	**0.00125**	**0.155**			0.164
05/22/06	5.40	1.53	6.76	48.3	0.031	170.8	1.99	10.6	31.0	28.7	10.3	5.50	**6.00**	0.112	**0.0155**	0.112	0.0510	**0.05**	0.715	**0.0155**	4.68	**0.00125**	**0.00125**	0.590			**0.050**
06/18/06	6.10	12.10	7.51	69.8	0.053	99.7	1.05	20.9	50.0	50.0	3.10	**3.75**	14.0	0.123	**0.0540**	**0.0685**	0.0159	**0.05**	0.609	0.0520	9.25	**0.00125**	**0.00125**	**0.155**			**0.0155**
07/22/06	6.68	12.69	5.04	47.7	0.067	64.5	1.77	29.3	70.0	46.3	1.10	**2.00**	21.0	0.141	**0.0155**	0.139	0.0150	**0.0155**	0.560	0.0740	12.1	**0.00105**	**0.0025**	**0.155**			0.0620
08/17/06	6.76	12.33	7.73	72.2	0.048	108.2	0.78	20.0	47.0	50.0	1.10	**3.50**	16.0	0.0370	**0.0155**	**0.0370**	0.0110	**0.05**	0.444	0.0460	7.21	**0.00075**	**0.00075**	**0.155**			**0.050**
09/13/06	6.64	10.53	8.40	75.4	0.064	68.4	1.47	24.9	60.0	47.5	1.02	**3.25**	16.0	**0.0155**	**0.0155**	**0.0155**	0.0050	**0.0155**	0.700	0.0370	11.0	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/01/06	6.15	0.70	7.95	55.5	0.070	40.4	0.95	26.9	65.0	51.3	1.01	**3.75**	15.0	0.0735	**0.0155**	0.0680	0.0260	**0.05**	0.794	0.0360	14.6	**0.00075**	**0.00075**	**0.155**			**0.0155**
12/10/06	6.44	0.07	8.43	57.7	0.085		1.8	29.4	70.0	47.5	3.62	**1.57**	24.0	0.133	**0.0155**	0.125	0.0180	**0.0155**	0.707	0.0380	15.9	0.0020	**0.00075**	**0.155**			**0.0155**
01/19/07	6.86	0.09	5.54	38.5	0.069	139.2		33.2	80.0	75.0	2.64	**6.00**	26.0	0.174	**0.0155**	0.150	0.0180	**0.05**	0.733	0.0460	15.8	**0.00075**	**0.00075**	**0.155**			**0.050**
02/18/07	6.59	0.32	9.17	63.4	0.070	121.9	1.91	33.6	80.0	63.8	1.02	**1.57**	26.0	0.0800	**0.0155**	**0.0800**	0.0370		0.701	0.0430	15.6	**0.00075**	0.0030	**0.155**			0.0456
03/31/07	6.55	0.15	9.69	66.3	0.088	64.0																					
04/21/07	6.61	0.01	10.6	72.8	0.045	177.6	1.71	18.1	40.0	36.3	5.98	**1.57**	12.0	0.050	**0.0155**	**0.0580**	0.0820		0.985	0.0420	5.96	**0.00075**	**0.00075**	0.460			**0.0155**
05/11/07	6.30	6.60	10.02	82.0	0.051	98.5	1.52	17.7	50.0	38.8	4.90	**1.57**	14.0	0.112			0.0287		0.658	0.0470	7.99	**0.00075**	**0.00075**	**0.155**			0.0319
06/17/07	6.74	10.53	8.23	73.7	0.064	57.2	1.4	24.4	60.0	50.0	2.10	**1.57**	17.0	**0.050**			0.0190		0.631	0.0790	11.4	**0.00075**	**0.00075**	**0.155**		1.80	**0.0155**
07/13/07	6.97	10.87	6.60	59.7	0.062	47.8	2.19	24.1	60.0	51.3	2.30	**4.00**	20.2	0.103			0.0163		0.551	0.0570	9.35	**0.00075**	**0.00075**	**0.155**		2.27	**0.0155**
08/15/07	6.76	12.05	8.13	75.6	0.070	52.5	3.39	28.2	70.0	55.0	2.84	**1.57**	22.4	0.0365			0.0139		0.455	0.0400	10.7	**0.00075**	**0.00075**	**0.155**		2.99	0.0323
09/16/07	6.44	6.54	7.48	60.9	0.054	97.8	1.04	23.0	50.0	55.0	2.71	**1.57**	16.0	0.0585			0.0218		0.626	0.0360	8.08	**0.00075**	**0.00075**	**0.500**		3.09	**0.050**
10/13/07	8.37	2.81	3.53	25.7	0.092	-45.5	0.87	24.2	60.0	46.3	0.86	**1.57**	**1.55**	0.0610			0.0133		0.699	0.0330	11.9	**0.00075**	**0.00075**	**0.155**		1.60	**0.0155**
11/09/07	6.67	0.70	9.13	63.7	0.052	97.8	0.72	20.9	55.0	50.0	1.02	**1.57**	12.5	**0.0155**			0.0114		0.775	0.0410	10.4	**0.00075**	**0.00075**	**0.155**		2.11	**0.0155**
12/08/07	6.85	-0.06	7.82	53.3	0.070	129.0	1.18	27.7	65.3	28.8	3.64	**4.25**	16.0	0.0965			0.016		0.694	0.044	12.3	**0.00075**	**0.0025**	**0.155**		1.24	**0.0155**
01/21/08	6.37	0.08	9.79	67.8	0.086	101.1	2.21	34.2	89.9	27.5	1.86	**7.00**	24.0	0.188			0.0146		0.730	0.0450	14.7	**0.00075**	**0.00075**	**0.155**		0.988	**0.0155**
02/20/08	7.13	0.06	6.10	41.8	0.090	-8.4	2.99	32.6	92.3	57.5	1.80	**9.44**	28.1	0.112			0.0150		0.706	0.0460	14.4	**0.00075**	**0.00075**	**0.155**		**0.250**	**0.0155**
03/14/08	6.48	0.09	8.37	57.5	0.093	129.8	3.23	30.7	92.7	73.8	**0.899**	10.5	29.7	0.196			0.0177		0.695	0.0470	14.7	0.0019	**0.00075**	**0.155**		0.851	0.0508
03/26/08	7.00	0.12	8.51	58.4	0.109	92.1																					
04/20/08	7.72	0.28	10.16	70.1	0.097	156.8	7.61	37.5	96.2	80.0	5.65	20.8	30.7	0.203			0.0246		0.755	0.0550	13.9	**0.00075**	**0.00075**	**0.155**		1.45	**0.050**
05/28/08	6.88	4.90	10.22	79.8	0.040	115.4	1.55	14.2	39.0	45.0	3.72	**4.08**	10.9	0.157			0.0306		0.552	0.034	5.87	**0.00075**	**0.00075**	0.900		2.91	0.0514
06/16/08	6.98	9.81	6.93	61.2	0.046	113.1	1.92	17.4	46.0	45.0	4.22	**1.57**	12.0	0.0475			0.0097		0.372	0.038	7.57	0.00560	**0.00075**	**0.155**		2.11	0.0966
07/19/08	6.53	9.59	7.49	65.7	0.062	80.4	1.59	22.4	61.1	40.0	0.64	**3.39**	20.2	**0.0155**			0.0159		0.457	0.042	8.20	**0.0025**	**0.0025**	**0.155**		1.93	**0.050**
08/20/08	7.07	10.90	6.21	56.2	0.071	53.1	2.4	28.2	69.0	58.8	1.05	**1.57**	25.1	**0.050**			0.0181		0.604	0.053	9.77	**0.0025**	**0.00075**	**0.155**		2.46	**0.0155**
09/16/08	6.49	9.42	8.85	77.3	0.060	100.8	1.9	23.4	62.3	45.0	3.33	**1.57**	20.6	0.038			0.0218		0.745	0.038	8.03	**0.0025**	**0.00075**	**0.155**		3.55	**0.050**
10/18/08	6.27	1.60	9.90	70.8	0.064	139.6	0.91	23.7	66.8	57.5	0.73	**3.98**	16.9	0.051			0.0056		0.793	0.049	11.0	**0.00075**	**0.00075**	**0.155**		1.57	**0.0155**
11/18/08	6.80		8.79	60.3	0.084	72.7	2.55	29.6	84.5	58.8	1.47	**5.40**	23.0	0.122			0.0170		0.786	0.043	14.5	**0.00075**	**0.00075**	**0.155**		0.761	**0.050**
12/07/08	6.40	0.01	10.03	68.5	0.067	129.6	1.75	25.0	67.5	40.0	1.29	**9.50**	17.4	0.107			0.0126		0.731	0.058	11.8	**0.00075**	**0.00075**	**0.155**		1.68	**0.050**
Mean	6.67	5.30	8.94	67.0	0.069	97.0	3	25.3	67.0	51.6	2.59	4.39	20.0	0.153	0.0194	0.085	0.0227	0.0400	0.697	0.0450	11.10	0.00150	0.00130	0.231	NA	1.87	0.0363
Median	6.68	3.20	8.85	67.1	0.068	99.0	2	25.8	68.0	50.0	2.15	3.75	20.0	0.110	0.0155	0.074	0.0174	0.0500	0.701	0.0450	11.00	0.00130	0.00100	0.155	NA	1.80	0.0155
St. Deviation	0.50	5.40	2.04	14.6	0.018	90.0	2.00	6.40	18.0	13.3	1.86	3.50	7.00	0.207	0.0122	0.045	0.0152	0.0200	0.148	0.0130	3.50	0.00140	0.00110	0.184	NA	0.87	0.0290
# of values	50	49	50	44	50	48	46	48	48	48	48	48	50	46	10	10	48	8	48	48	48	48	48	48	0	19	48
Minimum	5.37	-0.06	3.53	25.7	0.031	-171.4	0.72	10.6	31.0	27.5	0.638	1.57	1.55	0.0155	0.0155	0.0155	0.00165	0.0155	0.372	0.0155	4.68	0.00075	0.00075	0.0295	NA	0.250	0.0155
Maximum	8.37	17.8	13.63	96.0	0.109	359	12.8	37.5	100	80.0	10.3	20.8	30.7	0.993	0.054	0.150	0.082	0.0500	1.12	0.0790	18.6	0.00800	0.0078	0.900	NA	3.55	0.164
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	2%	22%	90%	10%	15%	100%	0%	10%	0%	88%	96%	71%		5%	79%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	26	2	13	1	5	5	0	0	43	0	4	1	14		0	9
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.91
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	36%	0%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	NA	0%	0%
% of DWS exceedences	4%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100G																														
Sample Date																														
04/28/04	64.0	**12.5**	**0.0385**		**0.360**	**0.125**	5.30	4.30	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0398**	**0.0155**	4780	4490	0.296	**0.152**	0.253		4.90	2.62	914	427	0.546	0.261	1310	1280
05/18/04	64.1	28.4	**0.0385**	**0.0385**	**0.125**	**0.125**	4.06	2.53	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3500	3400	**0.100**	**0.100**	0.144		4.21	2.96	356	210	**0.050**	**0.050**	890	936
06/01/04																														
06/15/04	34.5		0.996		**0.335**		4.73		**0.0075**		**0.750**		**1.55**		**0.0564**		6310		0.702		0.167		4.07		693		**0.179**		1710	
06/16/04		**12.5**		**0.143**		**0.125**		4.25		**0.0075**		**0.750**		**1.55**		**0.0155**		6390		**0.129**				2.77		428		**0.050**		1710
07/15/04	29.3	**12.5**	**0.0385**		**0.300**	**0.464**	5.62	6.07	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.050**	**0.0155**	7490	7880	0.208	0.220	0.116		3.21	3.05	**1080**	1000	**0.050**	**0.050**	1920	2040
08/16/04																														
08/25/04	**12.5**	**12.5**	**0.0385**	**0.100**	**0.293**	**0.463**	6.19	6.32	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8260	8240	**0.193**		**0.050**		2.95	2.05	**1090**	702	**0.050**	**0.050**	2060	2090
09/14/04	**12.5**	**12.5**	**0.0385**	**0.100**	**0.400**	**0.302**	5.94	5.74	**0.0075**	**0.0075**	**0.750**	**0.750**	**4.30**	**4.00**	**0.0155**	**0.0155**	8100	7210	**0.176**	**0.133**	**0.050**		2.55	1.86	598	377	**0.050**	**0.050**	1980	2050
10/16/04	50.5	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	5.46	4.97	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5480	5600	0.217	0.250	0.106		4.01	2.99	469	208	**0.111**	**0.050**	1520	1550
01/25/05																														
01/26/05	84.5	8.40	0.0216	0.011	**0.421**	**0.125**	7.32	7.29	**0.0075**	**0.0075**	**0.0044**	**0.00155**	**1.55**	**1.55**	**0.025**	**0.00775**	7750	7660	0.525	0.481	0.257	0.194	5.90	2.45	**1050**	496	0.176	**0.0155**	2110	2110
03/17/05	4.02		**0.010**	**0.0171**	0.188		7.69	7.50	**0.001495**	**0.00547**	**0.003835**	**0.010**	1.86	1.69	**0.00923**	**0.0121**	8780	9080	**0.03565**	**0.181**	0.190	0.196	1.46		441		**0.035**	**0.035**	2370	2260
05/04/05	105	18.6	0.0224	**0.0113**	0.345	0.185	5.62	3.79	**0.00772**	**0.0050**	**0.003835**	**0.003835**	1.74		**0.0124**	**0.010**	3840	3420	**0.03565**	**0.03565**	0.578	0.494	5.73	3.63	848	328	**0.035**		1030	909
06/05/05	58.3	9.84	0.0258	0.027	**0.271**	**0.125**	4.59	4.22	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**		5690	5610	**0.031**	0.250	0.124	0.0512	3.95	2.40	474	175	**0.050**		1470	1350
07/11/05	34.2	6.13	0.0136		**0.125**	**0.125**	6.23	5.33	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	8160	7980	**0.031**	**0.100**	0.152	0.114	3.96	1.86	**1140**	179	**0.0155**	**0.050**	2260	2210
08/15/05	30.0	7.91	0.937	0.0646	**0.302**		6.65	4.83	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**6.00**	**4.8**	**0.00775**	**0.00775**	9480		0.442		0.107	0.0754	4.11	0.381	**1360**	105	**0.050**		2370	2200
09/12/05	47.7	27.8	0.104	0.0144	**0.125**	**0.125**	4.68	4.45	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	5330	5250	0.841	1.01	0.0972	0.0908	3.07	2.5	479	239	**0.050**	0.123	1360	1330
10/29/05	39.3	10.3	0.0188	0.0146	**0.344**	**0.125**	6.05	6.55	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**3.90**	**0.00775**	**0.00775**	7500	8310	0.452	0.592	0.165	0.178	4.92	2.36	645	213	**0.0155**		1890	2170
01/18/06	25.8	6.00	**0.0075**	**0.0262**	**0.155**	**0.155**	7.85	9.25	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**1.84**	**0.0125**	**0.0125**	9190	11100	0.209		0.196	0.229	4.34	1.74	**1160**	662	0.195		2370	2830
02/09/06	13.9	3.14	**0.0264**	**0.0294**	**0.155**	**0.155**	4.70	4.88	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**1.87**	**0.0125**	**0.0125**	8540	8880	0.552	0.661	0.0790	0.0736	0.249	0.284	399	47.4	0.154		2340	2430
03/13/06	17.0		**0.025**	**0.025**	**0.155**	**0.155**	7.89		**0.012**	**0.0120**	0.0692	0.0566	**0.750**	**2.50**	**0.0125**	**0.0125**	9720	10100	0.281	0.230	0.156	0.161	3.11	0.856	**1010**	620	0.0744		2950	2850
05/22/06	**195**	20.4	**0.0250**	**0.0250**	**0.155**	**0.155**	5.09	3.54	**0.0120**	**0.0120**	**0.0158**	**0.0214**	**0.750**	**0.750**	**0.0125**	**0.0125**	2860	2770	0.288	0.267	0.434	0.293	6.95	3.97	**1040**	309	**0.903**	**0.284**	836	799
06/18/06	50.4	13.7	**0.0194**	**0.0256**	**0.155**	**0.155**	5.19	4.91	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**2.12**	**0.0125**	**0.0125**	5930	5200	0.858	**0.0500**	0.145	0.119	4.37	2.44	568	175	**0.0250**		1450	1310
07/22/06	31.3	6.75	**0.0284**	**0.0220**	**0.155**	**0.155**	7.00	6.04	**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8260	7590	0.530	0.640	0.136	0.111	4.92	2.27	813	171	**0.050**		2110	1920
08/17/06	35.4	24.0	**0.0075**	**0.0075**	**0.155**	**0.155**	5.19	4.72	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5570	5160	0.379	**0.0500**	0.0864	0.0728	4.34	3.54	397	180	**0.050**		1470	1360
09/13/06	19.0	10.1	**0.0220**	**0.0250**	**0.155**	**0.155**	5.44	4.85	**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	7110	6420	**0.0500**	**0.100**	0.0998	0.0930	4.15	2.76	532	226	**0.050**	0.140	1740	1610
11/01/06	32.6	10.3	**0.0075**	**0.0250**	**0.155**	**0.155**	6.74	6.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7560	7400	**0.100**	**0.100**	0.183	0.164	5.21	2.57	519	203	**0.050**		1960	2000
12/10/06	45.5	4.14	**0.0075**	**0.0075**	**0.155**	**0.155**	7.57	8.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8150	9000	**0.0500**	**0.0500**	0.229	0.197	4.20	1.42	878	307	**0.050**	**0.050**	2200	2360
01/19/07	24.7	2.65	**0.0250**	**0.0250**	**0.395**	**0.155**	11.8	9.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0264**	9410	9970	**0.0500**	**0.0500**	0.283	0.203	3.30	1.23	**1170**	440	**0.689**		2360	2380
02/18/07	17.3	5.23	**0.0250**	**0.0250**	**0.155**	**0.155**	7.94		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9310	11100	0.746		0.177	0.184	3.44	1.63	906	425	**0.050**	**0.050**	2520	
03/31/07																														
04/21/07	130	21.3	**0.0176**	**0.0244**	**0.155**	**0.155**	5.60	4.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5030	4690	0.409	0.420	0.196	0.237	7.76	4.93	714	203	**0.0962**	**0.0574**	1330	1270
05/11/07	65.1	12.1	**0.0188**	**0.0278**	**0.155**	**0.155**	5.70	5.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4930	5240	0.443	0.539	0.268	0.245	5.06	3.41	818	400	**0.050**	**0.050**	1300	1420
06/17/07	40.3	9.23	**0.0250**	**0.0250**	**0.402**	**0.155**	5.58	5.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6830	6740	0.248	0.224	0.124	0.102	4.27	2.25	628	241	**0.0155**	**0.050**	1780	1780
07/13/07	39.2	8.66	**0.0250**	**0.0250**	**0.354**	**0.155**	5.62	5.31	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6830	6560	**0.186**	**0.190**	0.126	0.102	3.92	2.32	737	310	**0.0155**	**0.050**	1720	1700
08/15/07	48.9	10.5	**0.0200**	**0.0270**	**0.346**	**0.367**	5.52	5.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7930	8380	0.279	0.305	0.106	0.0784	4.22	2.90	848	293	**0.0155**	**0.050**	2050	2140
09/16/07	38.9	20.2	**0.0154**	**0.0174**	**0.366**	**0.326**	5.19	5.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6680	6910	0.239	**0.050**	0.0944	0.0806	3.79	2.73	527	263	**0.0155**	**0.0155**	1540	1670
10/13/07	27.8	15.1	**0.0075**	**0.0172**	**0.155**	**0.155**	5.47	5.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6850	6650	0.413	0.499	0.0982	0.0880	3.15	2.32	351	233	**0.050**	**0.050**	1720	1710
11/09/07	35.2	23.6	**0.0150**	**0.0224**	**0.155**	**0.155**	4.69		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5860	6470	0.227	0.242	0.0914	0.0804	3.41	2.65	330	213	**0.050**	**0.050**	1530	1620
12/08/07	73.4	14.8	**0.0075**	**0.0208**	**0.155**	**0.155**	6.71	6.70	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0174**	**0.0075**	7830	7710	0.309	0.224	0.208	0.172	5.14	2.92	515	211	**0.050**	**0.050**	1980	1990
01/21/08	37.8	8.68	**0.0360**	**0.0224**	**0.155**	**0.155**	8.45	7.75	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0242**	**0.0158**	9750	9180	0.314	0.351	0.210	0.195	4.60	2.99	815	402	**0.050**	**0.050**	2380	2370
02/20/08	12.2	3.79	**0.0075**	**0.0075**	**0.155**	**0.155**	6.69	6.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9290	8980	0.222	**0.100**	0.137	0.125	2.79	1.54	842	336	**0.0155**	**0.0155**	2290	2250
03/14/08	12.6	4.35	**0.0198**	**0.0164**	**0.155**	**0.155**	6.56	6.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8680	8390	**0.0500**	**0.0500**	0.126	0.128	2.46	1.68	**1020**	591	**0.0572**	**0.0646**	2210	2170
03/26/08																														
04/20/08	**109**	15.7	**0.0075**	**0.0075**	**0.334**	**0.155**	9.25	7.62	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10400	9700	0.406	0.383	0.168	0.152	3.46	1.42	**1350**	617	**0.050**	**0.050**	2830	2680
05/28/08	68.6	19.2	**0.0075**	**0.0075**	**0.155**	**0.155**	4.42	3.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3970	3860	**0.100**	**0.100**	0.270	0.219	4.74	3.57	700	369	**0.0155**	**0.050**	1030	1000
06/16/08	**87.9**	14.8	**0.0075**	**0.0075**	**0.155**	**0.155**	4.88	4.19	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4990	4800	0.283	0.239	0.125	0.0872	4.97	3.01	421	192	**0.050**	**0.0155**	1200	1160
07/19/08	23.5	7.29	**0.0075**	**0.0163**	**0.345**	**0.155**	4.89	5.12	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6430	6960	**0.100**	**0.100**	0.0907	0.0826	2.56	1.34	613	206	**0.0155**	**0.0155**	1530	1660
08/20/08	20.1	7.58	**0.0075**	**0.0075**	**0.155**	**0.155**	5.69	5.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7960	7780	**0.131**	0.304	0.0858	0.0786	2.86	2.02	824	339	**0.0155**	**0.0155**	2020	1930
09/16/08	58.5	14.1	**0.0075**	**0.0075**	**0.155**	**0.155**	4.83	4.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6490	6390	0.372	**0.100**	0.108	0.0831	3.49	2.45	776	325	**0.0155**	**0.0155**	1750	1670
10/18/08	23.4	12.5	**0.0161**	**0.0075**	**0.155**	**0.155**	5.14	4.96	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6670	6560	0.215	0.209	0.102	0.0876	3.21	2.15	403	215	**0.0155**	**0.0155**	1710	1700
11/18/08	19.7	7.31	**0.0075**	**0.0075**	**0.155**	**0.155**	6.14	6.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8270	8220	0.344	0.203	0.108	0.0977	2.86	1.48	659	327	**0.0155**	**0.0155**	2180	2170
12/07/08	28.0	13.0	**0.0075**	**0.0495**	**0.155**	**0.155**	5.37	5.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0202**	6880	6920	**0.0500**	**0.165**	0.136	0.123	3.05	2.16	596	218	**0.0155**	**0.0537**	1890	1880
Mean	45.4	12.2	0.060	0.0270	0.221	0.175	6.06	5.59	0.0108	0.0108	0.1168	0.1167	1.60	1.72	0.01349	0.01142	7100	7070	0.286	0.246	0.161	0.145	3.94	2.36	740	327	0.0936	0.059	1840	1830
Median	35.3	12.3	0.020	0.0224	0.155	0.155	5.62	5.35	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.00775	7300	6960	0.244	0.206	0.136	0.119	3.99	2.40	707	293	0.0500	0.050	1890	1880
St. Deviation	35.1	6.30	0.192	0.0270	0.098	0.078	1.43	1.42	0.0026	0.0025	0.2646	0.2646	1.10	1.03	0.01053	0.00482	1800	1980	0.212	0.205	0.0940	0.0820	1.28	0.890	273	179	0.1713	0.059	480.0	500.0
# of values	48	46	48	45	48	46	48	45	48	48	48	48	48	47	48	47	48	47	48	44	48	41	48	47	48	47	48	36	48	47
Minimum	4.02	2.65	0.0075	0.0075	0.125	0.125	4.06	2.53	0.001495	0.0050	0.00155	0.00155	0.750	0.750	0.0075	0.0075	2860	2770	0.031	0.03565	0.050	0.0512	0.249	0.284	330	47.4	0.0155	0.0155	836	799
Maximum	195	28.4	0.996	0.143	0.421	0.464	11.8	9.25	0.0125	0.0125	0.750	0.750	6.00	5.00	0.0564	0.0264	10400	11100	0.858	1.01	0.578	0.494	7.76	4.93	1360	1000	0.903	0.284	2950	2850
% of values undetected	4%	13%	58%	49%	63%	87%	0%	0%	98%	98%	94%	96%	92%	85%	88%	91%	0%	0%	27%	34%	4%	0%	0%	0%	0%	0%	77%	81%	0%	0%
# of values between MDL and PQL	0	0	12	18	16	5	0	0	1	1	2	1	2	6	6	4	0	0	4	6	0	0	0	0	0	0	4	3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.063	0.062	NA	NA	10.98	10.56276	NA	NA	1.732	1.663	1000	1000	0.259	0.279	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	79%	23%	0%	6%	3%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100G																									
Sample Date																									
04/28/04	86.3	75.3	0.0018		**0.532**	**0.485**	1.31	1.04	477	432	**0.155**	**0.155**	3420	**0.00310**	**0.00310**	1900	1790	**0.0277**	**0.0125**	**0.155**	**0.155**	**0.270**	**0.125**	9.34	6.77
05/18/04	25.2	23.7	0.0016		**0.382**	**0.518**	0.430	0.506	336	334	**0.155**	**0.155**	3160	**0.00310**	**0.00310**	1590	1700	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.200**	2.74	2.47
06/01/04																									
06/15/04	50.0				**0.904**		0.537		364		**0.155**			**0.00310**		2670		**0.0125**		7.23		0.533		4.30	
06/16/04		51.5	**0.0007**			**0.793**		0.529		348		**0.155**	3650		**0.00310**		2750		**0.0125**		**0.155**		**0.279**		3.24
07/15/04	105	118	**0.0005**		**0.646**		0.477		332	373	**0.155**	**0.155**	4590	**0.0031**	**0.0031**	2800	3060	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.265**	0.434	**0.750**	**0.750**
08/16/04																									
08/25/04	55.2	50.7	0.0010		**0.870**	1.03	0.339		436	437	**0.155**	**0.155**	5340	**0.0031**	**0.0031**	2890	3000	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	**0.750**
09/14/04	52.4	46.2	**0.0005**		1.01	1.03	0.303		458	460	**0.155**	**0.155**	5580	**0.0160**	**0.0031**	2960	3140	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.274**	**0.125**	1.88	**0.750**
10/16/04	38.5	33.9	0.0014		**0.578**	**0.583**	0.422	0.756	425	428	**0.155**	**0.155**	5230	**0.0031**	**0.0031**	2370	2440	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.313**	**0.125**	1.65	2.73
01/25/05																									
01/26/05	87.1	73.4	**0.0005**		0.872	0.787	0.822	0.656	512	504	**0.0775**	**0.234**	6850	**0.0031**	**0.0031**	5230	2850	**0.0031**	**0.0031**	**0.031**	**0.031**	0.404	**0.100**	3.88	
03/17/05	76.7		**0.000147**		0.876	0.878	0.481	0.491	511	585	0.184	0.193	6720	**0.001435**	**0.005000**	3140	3260	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.114		3.44	2.86
05/04/05	141	120	**0.000147**		0.439	0.298	0.450	0.528	684	648	**0.089**	**0.0676**	2860	**0.00386**	**0.001435**	1380	1250	**0.002125**	**0.002125**	**0.155**	**0.0302**	0.434	0.100	2.56	3.47
06/05/05	30.6	27.2	**0.000450**		0.629	0.655	0.518		358	358	**0.0775**	**0.0775**	3580	**0.0031**	**0.0031**	2500	2360	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	**0.200**	**0.750**	1.94
07/11/05	84.4	76.3	**0.000450**		1.20	1.06	0.482		426	413	**0.0775**	**0.0775**	4250	**0.0031**	**0.0031**	3390	3400	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.352**	**0.398**	20.1	20.1
08/15/05	70.4	26.9	**0.0025**		1.28	0.366	0.615		516	518	**0.0775**	**0.0775**	4910	**0.0031**	**0.0031**	3440	3340	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.311**	5.28	2.38
09/12/05	22.2	18.9	**0.0025**		0.566	0.573	0.445		485	490	**0.0775**	**0.0775**	4470	**0.0031**	**0.0031**	2270	2280	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	4.40	3.54
10/29/05	50.4	50.9	**0.000450**		0.531		0.614		463	531	**0.0775**	**0.0775**	7370	**0.0031**	**0.0031**	2860	3310	**0.0031**	**0.0031**	**0.031**	**0.031**	0.460	**0.100**	3.84	3.84
01/18/06	102	123	**0.00101**		0.838		0.734		597		**0.155**	**0.155**	9280	**0.0031**	**0.0031**	3380	4100	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.76	
02/09/06	23.9	22.4	**0.000475**		0.130	0.155	0.392		671	723	**0.155**	**0.155**	7630	**0.0031**	**0.0031**	3180	3280	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	4.35	2.41
03/13/06	88.5	89.4	**0.000475**		0.848	0.980	0.586		610	644	**0.155**	**0.155**	5250	**0.0031**	**0.0134**	3900	3820	**0.0025**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	5.92	
05/22/06	78.4	58.3	**0.00250**		0.475	0.292	0.439	0.590	618	615	**0.155**	**0.155**	2050	**0.0031**	**0.0031**	1200	1180	**0.0050**	**0.0025**	**0.0155**	**0.0155**	0.550	**0.110**	7.77	4.01
06/18/06	35.4	30.4	**0.00250**		0.764	0.732	0.509		421	389	**0.155**	**0.155**	3760	**0.0090**	**0.0031**	2440	2300	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.250**	**0.110**	1.84	2.12
07/22/06	59.4	54.7	**0.00104**		0.940	0.866	0.568		429	397	**0.155**	**0.155**	4360	**0.0031**	**0.0031**	3150	2920	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.05	2.70
08/17/06	20.5	16.3	**0.00250**		0.587	0.569	0.441	0.601	309	281	**0.155**	**0.155**	3940	**0.0031**	**0.0031**	2340	2190	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.27	2.80
09/13/06	32.6	29.3	**0.000475**		0.752	0.736	0.465		476	436	**0.155**	**0.155**	4580	**0.0031**	**0.0031**	2640	2510	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.527**	**0.250**	1.40	1.87
11/01/06	42.6	37.5	**0.000475**		0.596	0.584	0.585	0.595	458	478	**0.155**	**0.155**	6180	**0.0031**	**0.0031**	2950	2930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.23	4.02
12/10/06	87.5	83.1	**0.00124**		0.951	0.924	0.647	0.725	534	602	**0.155**	**0.155**	5430	**0.0031**	**0.0031**	3110	3370	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.655**	**0.250**	3.16	
01/19/07	105	103	**0.000414**		1.04	1.06	0.814	0.888	601	674	**0.155**	**0.155**	7430	**0.0031**	**0.0031**	3040	3030	0.0750	0.0490	**0.050**	**0.050**	1.72	1.45	3.70	
02/18/07	86.0	90.8	**0.000169**		1.03	1.09	0.623	0.688	569		**0.155**	**0.339**	8270	**0.0096**	**0.0062**	3240		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.04	
03/31/07																									
04/21/07	51.2	44.3	**0.00250**		0.709	0.642	0.491		831	781	**0.155**	**0.155**	2980	**0.0031**	**0.0031**	2120	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.413**	**0.155**	2.86	
05/11/07	67.7	67.2	**0.000899**		0.781	0.811	0.537		604	656	**0.155**	**0.155**	3670	**0.0031**	**0.0031**	1820	1970	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.580**	**0.155**	2.28	3.21
06/17/07	46.6	42.0	**0.000169**		0.961	0.906	0.427	0.478	443	450	**0.155**	**0.155**	4170	**0.0031**	**0.0031**	2730	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.400**	**0.155**	1.06	1.57
07/13/07	53.8	47.1	**0.00250**		0.810	0.769	0.466	0.536	346	354	**0.155**	**0.155**	4350	**0.0031**	**0.0031**	2720	2580	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.312**	**0.155**	1.58	1.46
08/15/07	51.7	43.9	**0.000640**		0.929	0.968	0.439	0.483	407	437	**0.155**	**0.155**	5150	**0.0031**	**0.0031**	2980	3090	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.389**	**0.155**	1.66	2.10
09/16/07	35.1	29.3	**0.000169**		0.625	0.628	0.367	0.439	419	465	**0.155**	**0.155**	3870	**0.0031**	**0.0031**	2460	2650	**0.0050**	**0.0108**	**0.050**	**0.050**	**0.384**	**0.360**	2.04	2.72
10/13/07	30.7	27.7	**0.000775**		0.715	0.714	0.493	0.547	376	391	**0.155**	**0.155**	6060	**0.0031**	**0.0031**	2600	2540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.74	2.70
11/09/07	24.9	20.8	**0.00250**		0.560	0.546	0.464	0.607	353	398	**0.155**	**0.155**	5250	**0.0031**	**0.0031**	2310	2400	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.11	1.72
12/08/07	45.7	38.2	**0.000959**		0.772	0.737	0.737	0.808	464	470	**0.155**	**0.155**	6510	**0.0031**	**0.0031**	2900	2910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.390**	**0.155**	4.27	3.18
01/21/08	80.8	76.7	**0.00075**		0.827	0.803	0.612	0.687	594	580	**0.155**	**0.155**	7610	**0.0031**	**0.0031**	3290	3450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.36	3.47
02/20/08	71.9	71.1	**0.00075**		0.911	0.858	0.389	0.379	524	519	**0.155**	**0.155**	6990	**0.0031**	**0.0031**	3050	3000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.00	1.86
03/14/08	84.0	82.3	**0.00075**		0.916	0.898	0.519	0.671	466	452	**0.155**	**0.155**	6560	**0.0031**	**0.0031**	2930	2940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.81	2.07
03/26/08																									
04/20/08	110	99.1	**0.00075**		1.15	0.983	0.604		649	600	**0.155**	**0.155**	7750	**0.0031**	**0.0031**	3720	3770	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.423**	**0.155**	2.91	2.85
05/28/08	55.4	47.4	**0.00311**		0.317		0.444	0.592	475	449	**0.155**	**0.155**	3310	**0.0031**	**0.0031**	1600	1590	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.60	3.07
06/16/08	25.6	21.9	**0.00164**		0.560	0.551	0.447		364	356	**0.155**	**0.155**	3700	**0.0031**	**0.0031**	2130	2100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.396**	**0.155**	2.50	2.51
07/19/08	40.1	38.8	**0.00181**		0.710	0.747	0.373	0.442	281	319	**0.155**	**0.155**	4420	**0.0031**	**0.0031**	2350	2490	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.44	
08/20/08	57.3	52.7	**0.00075**		0.847	0.797	0.322	0.471	380	370	**0.155**	**0.155**	4950	**0.0031**	**0.0031**	3030	2970	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.996**	
09/16/08	39.4	34.6	**0.00075**		0.640	0.633	0.362	0.400	422	418	**0.155**	**0.155**	4540	**0.0031**	**0.0065**	2670	2600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	8.32	
10/18/08	34.4	31.8	**0.00075**		0.566	0.539	0.520	0.495	391	393	**0.155**	**0.155**	5750	**0.0031**	**0.0031**	2570	2570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.04	
11/18/08	52.3	50.1	**0.00075**		0.722	0.676	0.633		495	497	**0.155**	**0.155**	7190	**0.0031**	**0.0031**	3150	3180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.30	2.27
12/07/08	58.8	54.9	**0.00369**		0.583	0.532	0.481	0.653	435	451	**0.155**	**0.155**	6040	**0.0031**	**0.0031**	2670	2670	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.66	
Mean	59.5	54.3	0.00115	NA	0.747	0.722	0.524	0.596	475	476	0.145	0.151	5230	0.0036	0.0035	2750	2720	0.0073	0.0066	0.209	0.059	0.303	0.204	3.45	3.12
Median	53.1	47.4	0.00075	NA	0.758	0.737	0.482	0.590	461	451	0.155	0.155	5050	0.0031	0.0031	2770	2750	0.0050	0.0050	0.050	0.050	0.250	0.155	2.74	2.70
St. Deviation	27.6	28.5	0.00090	NA	0.229	0.221	0.165	0.149	112	114	0.0280	0.0410	1630	0.0022	0.0016	680.0	630.0	0.0109	0.0070	1.04	0.042	0.257	0.201	3.08	3.11
# of values	48	47	48	0	48	44	48	29	48	46	48	48	48	48	48	48	47	48	48	48	48	48	47	48	36
Minimum	20.5	16.3	0.000147	NA	0.130	0.155	0.303	0.379	281	281	0.0775	0.0676	2050	0.001435	0.001435	1200	1180	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.750	0.750
Maximum	141	123	0.00369	NA	1.28	1.09	1.31	1.04	831	781	0.184	0.339	9280	0.0160	0.0134	5230	4100	0.0750	0.0490	7.23	0.155	1.72	1.45	20.1	20.1
% of values undetected	0%	0%	65%		0%	0%	0%	0%	0%	0%	96%	92%	0%	92%	94%	0%	0%	94%	96%	96%	100%	52%	85%	6%	8%
# of values between MDL and PQL	0	0	13		6	4	0	0	0	0	1	3	0	4	3	0	0	2	1	1	0	16	4	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	9.85	9.82	NA	NA	5	4.6	NA	0.1369405	0.116	NA	NA	NA	NA	NA	NA	NA	NA	22.57	22.25
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	60%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100H																											
Sample Date																											
05/01/04	6.45	0.07	13.08		0.042		18.7	16.4	70.0	36.3	7.60	**1.57**	11.5	0.162			0.0830		0.756	**0.050**	6.99	**0.00125**	0.00470	**0.065**			**0.0155**
05/18/04	6.67	4.10	10.9		0.058	341.0	5.1	16.9	60.0	47.5	9.60	**1.57**	11.0	0.113			0.0620		0.627	0.0610	9.58	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/16/04	6.83	8.96	10.35		0.087	-17.0	0.7	29.2	85.0	75.0	1.50	**1.57**	17.5				**0.0155**		0.549	0.0890	20.1	0.0040	0.00390	**0.065**			**0.0155**
07/13/04	6.22	15.72	10.41		0.085	35.0		32.7	100	72.5	4.90	**1.57**	27.0	**0.155**			0.0782		0.902	0.1120	19.0	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/25/04	7.39	12.27	11.93		0.103	242.0	4.2	34.3	110	76.3	3.47	**1.57**	28.5	**0.155**			0.050		0.745	0.076	18.4	**0.00125**	**0.00125**	0.200			0.104
09/14/04	7.08	6.92	13.68		0.095	146.0	0.7	30.3	100	75.0	0.74	**1.57**	21.0	**0.155**			**0.0155**		0.793	0.1120	20.9	**0.0025**	**0.00125**	**0.065**			0.050
10/16/04	6.45	3.70	12.34		0.084			25.4	90.0	67.5	1.20	**1.57**	18.0	0.600			0.040		1.17	**0.0155**	20.9	**0.00125**	**0.00125**	0.210			**0.050**
01/27/05	7.18	0.14	13.12		0.104	82.0	9.4	32.4	100	65.0	0.72	**0.785**	23.0	0.170			0.0564		0.720	0.066	21.5	0.0028	**0.00125**	0.310			**0.050**
03/20/05	7.40	0.26	13.35	92.1	0.109	53.0	7.3	40.0	100	60.0	2.20	5.00	24.0	0.180			0.526		0.826	0.074	23.7	**0.00125**	**0.00125**	0.480			0.060
05/03/05	5.64	2.35	13.08	95.3	0.044	164.5	2.44	15.2	40.0	42.5	6.50	**3.00**	11.0	0.190			0.0560		0.649	**0.0155**	7.23	**0.00125**	**0.00125**	0.380			**0.0155**
06/02/05	7.42	7.39	11.57	98.0	0.083	-38.0	5.2	27.7	80.0	60.0	1.80	**2.50**	15.0	0.200			0.0695		0.618	0.061	18.4	**0.00125**	**0.00125**	0.340			**0.0155**
07/10/05	7.07	12.43	8.90	83.4	0.094	-83.3	2.17	35.8	95.0	75.0	3.90	**1.88**	27.0	**0.061**			0.0755		0.489	**0.050**	15.7	**0.0025**	**0.0025**	0.300			**0.0155**
08/16/05	7.46	12.93	9.20	87.2	0.098	41.3	3.0	39.7	95.0	72.5	4.10	**2.00**	28.5	**0.073**			0.0310		0.585	0.059	18.0	**0.00125**	0.0028	0.380			**0.0155**
09/12/05	5.18	8.37	10.9	93.0	0.074	157.1	2.24	29.4	80.0	53.8	1.50	**4.75**	21.0	0.384			0.0400		1.18	0.052	13.7	**0.00125**	**0.00125**	0.680			**0.050**
10/28/05	6.60	0.80	13.33	93.2	0.090	92.8	1.08	32.6	95.0	62.5	1.41	**2.88**	20.0	1.120			0.0200		0.853	0.060	21.8	**0.00125**	**0.00125**	0.300			**0.050**
01/18/06	6.83	0.07	10.49	72.0	0.094	87.6	0.71	38.1	100	77.5	0.91	**3.25**	24.0	0.182			**0.00165**		0.779	0.061	24.0	**0.00125**	**0.00125**	0.240			**0.050**
02/10/06	6.92	0.25	13.12	90.3	0.055	70.2	1.65	37.4	110	80.0	1.43	**3.25**	21.0	0.196			0.016		0.892	0.049	26.6	**0.00125**	**0.00125**	0.060			**0.050**
03/16/06	6.58	0.49	11.62	81.6	0.060	16.9	1.46	39.6	100	75.0	0.63	**4.25**	26.0	0.186			0.0130		0.786	0.040	24.8	**0.00125**	**0.00125**	**0.155**			**0.0155**
05/23/06	5.32	0.61	9.11	63.2	0.029	165.8	2.93	10.5	28.0	40.0	23.0	5.75	**9.00**	0.238	**0.0155**	0.238	0.0886	**0.0155**	0.773	**0.0155**	3.67	**0.00125**	**0.00125**	0.610			**0.050**
06/19/06	6.45	9.37	6.87	60.0	0.073	77.3	0.82	27.2	70.0	58.7	1.90	**3.00**	16.0	**0.0900**	**0.0500**	**0.0375**	0.0270	**0.05**	0.607	**0.0610**	16.0	**0.00105**	**0.00075**	0.340			**0.0155**
07/22/06	6.84	11.08	6.02	54.7	0.079	61.6	1.22	33.9	85.0	73.7	2.20	**2.50**	24.0	**0.0155**	**0.0155**	**0.0155**	0.0200	**0.05**	0.494	0.0730	19.0	**0.00105**	**0.0025**	**0.155**			0.0660
08/15/06	8.08	8.46	7.47	63.8	0.060	139.8	0.93	24.6	60.0	71.2	3.56	**4.00**	15.0	**0.0155**	**0.0155**	**0.0155**	0.0280	**0.05**	0.351	0.0980	11.3	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/13/06	6.78	9.00	8.82	76.3	0.083	73.8	1.14	30.9	80.0	62.5	1.80	**1.57**	20.0	0.253	**0.0155**	0.250	0.0170	**0.05**	0.745	0.0550	18.7	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/03/06		0.04	7.36	50.7	0.003	284.3	0.89	33.4	80.0	63.8	1.44	**3.25**	16.0	0.131	**0.0155**	0.119	0.0200		0.717	0.0400	21.7	**0.00075**	**0.00075**	**0.155**			**0.050**
12/14/06	6.73	0.06	11.4	78.2	0.099	62.5	1.07	35.4	80.0	66.2	3.80	**1.57**	17.0	**0.050**	**0.0155**	**0.050**	0.0230	**0.05**	0.649	0.0480	23.7	0.0030	**0.00075**	**0.155**			**0.0155**
02/21/07	6.40	0.54	12.02	83.5	0.097	94.2	1.67	35.8	100	57.5	2.86	**1.57**	26.0	0.215	**0.0155**	0.211	0.0240	**0.0155**	0.689	0.0560	22.4	0.0021	**0.00075**	**0.155**			0.0387
03/16/07	7.09	0.45	10.19	70.8	0.088	101.1	1.24	35.0	90.0	85.0	2.08	**4.50**	26.0	0.303	**0.0155**	0.294	0.0400		0.681	0.0540	21.7	**0.00075**	**0.00075**	**0.155**			**0.0155**
04/21/07	6.51	0.25	10.38	71.4	0.065	105.9	2.73	24.2	60.0	50.0	11.0	**1.57**	16.0	0.140	**0.0155**	0.124	0.0440		0.977	0.0560	11.3	**0.00075**	**0.00075**	0.420			**0.0155**
05/10/07	6.18	2.14	12.91	93.7	0.057	103.9	2.0	21.2	55.0	38.8	14.1	**3.25**	13.5	0.158			0.0658		0.679	0.0520	10.3	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/17/07	6.92	10.61	8.99	80.9	0.083	60.9	1.73	32.3	80.0	81.3	13.1	**1.57**	16.5	0.123			0.0421		0.588	0.0900	21.5	**0.00075**	**0.00075**	**0.155**		2.12	**0.0155**
07/13/07	6.56	10.13	7.70	68.5	0.081	56.2	1.54	34.3	80.0	75.0	11.0	**1.57**	17.5	**0.050**			0.0363		0.467	0.0680	19.2	**0.00075**	**0.00075**	**0.155**		2.50	**0.0155**
08/16/07	7.18	9.94	9.45	83.8	0.090	21.9	3.03	35.4	90.0	73.8	1.70	**1.57**	24.3	**0.0155**			0.0254		0.466	0.0530	17.9	**0.00075**	**0.00075**	**0.155**		2.82	**0.0155**
09/16/07	6.53	6.95	7.70	63.3	0.077	92.4	1.16	30.6	75.0	71.3	2.40	**3.50**	20.7	**0.0790**			0.0253		0.683	0.0530	14.8	**0.00075**	**0.00075**	**0.155**		2.78	**0.0155**
10/14/07	6.52	1.10	14.58	103.0	0.081	180.9	0.67	28.1	75.0	60.0	1.56	**3.25**	14.9	0.114			0.0179		0.672	0.0510	19.4	**0.00075**	**0.00075**	**0.155**		1.19	**0.0155**
11/10/07	6.61	0.52	10.64	73.9	0.080	88.5	1.57	27.7	75.0	48.8	1.80	**1.57**	14.9	0.162			0.0263		0.713	0.0510	18.4	**0.00075**	**0.00075**	0.380		1.68	**0.050**
12/09/07	6.69	0.47	13.81	96.2	0.084	92.5	0.92	32.6	80.7	68.8	**0.80**	**3.50**	17.0	0.133			0.0185		0.605	0.052	18.4	**0.00075**	**0.0025**	**0.155**		1.39	**0.0155**
01/27/08	5.08	0.28	11.26	77.0	0.102	217.4	1.99	36.1	107	12.5	**0.851**	**4.24**	23.9	0.157			0.0129		0.618	0.0610	22.7	**0.00075**	**0.00075**	**0.155**		1.21	**0.0155**
02/21/08	7.13	0.31	9.00	62.3	0.104	-13.1	1.46	38.5	105	82.5	1.59	**7.36**	25.4	0.106			0.0204		0.573	0.0530	23.2	**0.00075**	**0.0025**	**0.155**		0.975	**0.0155**
03/16/08	6.63	0.36	10.89	75.3	0.105	179.9	1.79	31.7	105	81.3	**0.408**	**9.48**	26.3	0.231			0.0203		0.637	0.0630	22.5	0.0039	**0.00075**	**0.155**		1.23	0.0419
04/20/08	7.54	0.38	12.07	83.8	0.099	138.7	1.97	38.3	106	93.8	1.57	**6.00**	27.4	0.223			0.0218		0.635	0.0590	21.5	0.0021	**0.00075**	**0.155**		1.10	**0.0155**
05/29/08	6.62	1.87	9.74	70.2	0.036	143.9	2.7	14.9	45.3	48.8	3.12	**4.18**	10.9	0.180			0.0290		0.510	0.040	7.70	**0.00075**	**0.00075**	0.360		3.05	0.0631
Mean	6.69	4.40	10.73	78.5	0.078	100.5	3	30.4	83.0	64.4	3.90	3.05	20.0	0.187	0.0190	0.135	0.0474	0.0400	0.694	0.0590	18.0	0.00140	0.00130	0.230	NA	1.84	0.0308
Median	6.68	1.87	10.89	78.2	0.083	92.4	1.67	32.4	85.0	67.5	1.90	2.88	20.0	0.158	0.0155	0.122	0.0270	0.0500	0.679	0.0560	19.0	0.00125	0.00125	0.155	NA	1.54	0.0155
St. Deviation	0.62	4.80	2.14	13.4	0.023	84.1	3	7.40	20.0	16.0	4.70	1.81	6.00	0.184	0.0109	0.106	0.0796	0.0200	0.170	0.0210	5.50	0.00080	0.00090	0.150	NA	0.77	0.0213
# of values	40	41	41	33	41	39	39	41	41	41	41	41	41	40	10	10	41	7	41	41	41	41	41	41	0	12	41
Minimum	5.08	0.04	6.02	50.7	0.003	-83.3	0.67	10.5	28.0	12.5	0.408	0.785	9.00	0.0155	0.0155	0.0155	0.00165	0.0155	0.351	0.0155	3.67	0.00075	0.00075	0.060	NA	0.975	0.0155
Maximum	8.08	15.72	14.58	103	0.109	341	18.7	40.0	110	93.8	23.0	9.48	28.5	1.12	0.0500	0.294	0.526	0.050	1.18	0.112	26.6	0.0040	0.0047	0.680	NA	3.05	0.104
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	0%	20%	100%	30%	7%	100%	0%	12%	0%	85%	93%	59%		0%	83%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	23	1	5	0	1	6	0	0	34	0	6	3	17		0	6
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.06
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	25%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100H																														
Sample Date																														
05/01/04	256	46.5	**0.0385**	**0.0385**	0.355	**0.125**	6.46	4.22	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.00**	**5.00**	**0.0155**	**0.0155**	4500	4150	0.328	0.172	0.233	0.167	5.61	3.00	753	275	0.212	**0.050**	1250	1120
05/18/04	327	27.6	**0.0385**	**0.100**	**0.250**	**0.125**	6.16	4.33	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4630	4640	0.401	**0.100**	0.218		5.85	3.04	703	222	**0.100**	**0.050**	1290	1230
06/16/04	29.6	**12.5**	1.810	**0.100**	0.254	**0.125**	4.24	5.03	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8140	6750	0.182	**0.0500**	0.101		2.95	2.35	362	171	**0.050**	**0.050**	2160	1720
07/13/04	163	49.2	**0.0385**	**0.100**	0.692	0.464	7.69	5.84	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9280	8770	0.560	0.213	0.162		7.58	4.26	788	408	**0.050**	**0.050**	2310	2360
08/25/04	135	34.3	**0.0385**	**0.0385**	0.611	0.444	6.72	5.62	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9670	9220	0.229	0.224	0.120		7.35	4.36	718	436	**0.050**	**0.050**	2470	2480
09/14/04	**12.5**	**12.5**	**0.0385**	**0.0385**	0.516	0.352	4.75	4.73	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8280		0.158		**0.050**		3.01	2.34	398	254	**0.050**	**0.050**	2330	2250
10/16/04	42.2	**12.5**	**0.0385**	**0.0385**	0.341	**0.125**	5.13	4.83	**0.0075**	**0.0075**	0.75	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6980	7110	0.208	0.228	0.144		3.09	2.63	395	238	**0.050**	**0.050**	1930	1950
01/27/05	23.1	9.69	0.0162	0.0116	**0.125**	**0.125**	5.81	5.20	**0.0075**	**0.0075**	**0.00155**	**0.00155**	4.30	**1.55**	0.0272	0.0208	8740	8690	0.450	0.468	0.0914	0.0868	2.69	2.02	293	179	**0.0155**	**0.0155**	2560	2570
03/20/05	35.8	6.66	0.0223	0.0209	0.312	0.197	6.85	6.34	0.00442	**0.001495**	**0.003835**	**0.003835**	1.97	2.06	**0.003095**	**0.003095**	10900	8820	**0.03565**	**0.03565**	0.118	0.113	3.38	2.20	451	213	**0.035**	**0.011**	3110	2410
05/03/05	228	31.4	0.0196	**0.010**	0.423	0.212	6.76	4.49	0.00895	**0.001495**	**0.003835**	**0.003835**	1.78	2.10	0.00879	**0.010**	4100	4120	0.142	**0.03565**	0.246	0.156	5.83	3.31	684	236	0.0884		1200	1210
06/02/05	60.8	7.53	0.0524	0.0290	**0.125**	0.286	5.46	4.67	**0.0075**	**0.0075**	0.0138	**0.00155**	5.50	**1.55**	**0.00775**	**0.00775**	7810	7710	**0.0310**	**0.100**	0.131	0.0972	3.85	2.35	335	112	**0.050**		2000	1990
07/10/05	90.0	8.11	**0.005**		0.470	**0.125**	6.70	5.55	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	9860	10500	0.654	**0.100**	0.173	0.0882	5.50	2.80	796	168	**0.050**	0.125	2720	2930
08/16/05	68.7	10.4	0.0048	**0.00155**	0.645	**0.125**	6.57	5.41	**0.0075**	**0.0075**	**0.00155**	0.0034	**5.00**	**1.55**	**0.00775**	**0.00775**	11000	11100	0.468		0.165	0.0986	5.08	3.17	781	238	**0.050**		2950	2880
09/12/05	128	26.4	0.075	0.0256	**0.125**	**0.125**	6.64	5.50	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	8100	7750	0.997	0.953	0.248	0.157	7.08	3.99	715	241	**0.050**		2270	2180
10/28/05	43.3	7.34	0.0714	0.0366	0.372	**0.125**	5.84	4.86	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	9230	8530	0.569	0.273	0.123	0.116	3.20	1.37	331	113	0.277	0.220	2330	2230
01/18/06	21.8	5.36	0.0166	0.0254	**0.155**	**0.155**	6.10	6.37	**0.012**	0.0120	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	10300	11400	0.343	0.326	0.109	0.112	3.11	1.66	338	101	0.107		2990	3220
02/10/06	60.4	4.32	0.0244	0.0444	**0.155**	**0.155**	6.54	6.49	**0.012**	0.0288	**0.0075**	**0.0075**	**0.750**	2.12	**0.0125**	**0.0125**	10100	10800	0.403	0.494	0.135	0.133	3.45	1.40	392	62.7	0.180		2950	2970
03/16/06	21.7	3.44	**0.025**	0.0524	0.536	**0.155**	5.77	5.48	0.0276	0.0120	**0.025**		**0.750**	**2.50**	**0.0125**	**0.0125**	10800	10000	**0.100**	0.365	0.116	0.113	2.58	1.14	318	89.9	**0.025**		3070	2740
05/23/06	652	40.0	**0.0250**	**0.0250**	0.712	**0.155**	9.05	3.63	**0.0120**	**0.0120**	0.0158	**0.0075**	**0.750**	2.38	**0.0125**	**0.0125**	2790	2590	0.693	0.246	0.502	0.162	14.1	5.71	1370	313	0.519	0.346	859	809
06/19/06	55.7	12.7	0.0282	0.0234	**0.155**	**0.155**	5.88	5.31	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	7630	7680	0.507	0.596	0.162	0.141	4.53	3.28	550	180	1.53	0.340	1990	2010
07/22/06	29.9	12.9	0.0290	0.0356	**0.155**	**0.155**	6.41	6.53	**0.120**	**0.0125**	**0.0250**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	9430	10100	0.612	0.687	0.138	0.124	3.86	2.83	552	236	**0.050**		2510	2700
08/15/06	109	30.0	0.0240	0.0222	**0.155**	**0.155**	5.42	4.24	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6660	6060	**0.0500**	**0.100**	0.185	0.0996	6.36	4.82	571	266	0.323	0.268	1880	1770
09/13/06	37.3	9.62	0.0262	**0.0250**	0.320	**0.155**	5.60	5.17	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8610	8540	**0.0500**	**0.100**	0.136	0.105	3.67	2.68	480	221	**0.050**	0.171	2270	2240
11/03/06	33.2	8.00	**0.0075**	**0.0075**	**0.155**	**0.155**	6.13	6.01	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9540	9890	0.284	**0.0500**	0.123	0.105	3.47	1.51	296	98.2	0.752	**0.050**	2340	2430
12/14/06	79.2	4.90	0.676	**0.0075**	0.938	**0.155**	7.13	5.95	0.543	**0.0125**	0.692	0.0192	**1.25**	**1.25**	0.6580	**0.0185**	9910	9010	0.540	**0.0500**	0.782	0.0792	4.47	1.35	387	84.2	0.751	**0.0155**	2590	2610
02/21/07	96.3	8.43	**0.0250**	**0.0250**	**0.155**	**0.155**	6.26	6.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9870	11000	0.324	**0.100**	0.129	0.129	4.23	1.86	427	163	0.602	**0.050**	2710	2890
03/16/07	48.3	4.54	**0.0250**	**0.0250**	**0.250**	**0.155**	8.79	6.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9790	10400	**0.100**		0.103	0.116	3.45	2.80	431	113	1.09	**0.050**	2570	2800
04/21/07	346	21.2	0.0240		0.563	**0.155**	7.88	5.58	**0.0125**	**0.0125**	**0.0075**	0.0394	**1.25**	**1.25**	**0.0075**	0.0150	6600	6610	0.570	0.522	0.201	0.226	10.3	6.92	729	274	0.178	0.122	1880	1860
05/10/07	302	13.9	0.0320	0.0376	0.629	**0.155**	7.69	5.32	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0176	**0.0075**	5620	5620	0.294	0.234	0.318	0.180	7.89	3.70	1180	455	0.183	0.141	1730	1750
06/17/07	236	10.5	**0.0250**	**0.0250**	0.567	0.356	7.97	5.79	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8920	8460	0.498	0.220	0.262	0.116	7.52	2.69	901	244	0.567	**0.0155**	2440	2350
07/13/07	176	17.0	**0.0250**	**0.0250**	0.641	**0.155**	8.05	5.98	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9430	8530	0.361	0.334	0.274	0.128	6.34	3.03	1120	319	**0.050**	**0.0155**	2620	2380
08/16/07	38.6	11.1	0.0252	0.0380	0.358	**0.155**	5.97	5.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9810	9710	0.360	0.244	0.150	0.112	3.53	2.47	701	328	**0.0155**	**0.0155**	2640	2610
09/16/07	62.4	14.6	0.0172	0.0258	0.564	**0.155**	5.58	5.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8500	8640	**0.0500**	0.291	0.159	0.133	3.98	2.47	619	306	**0.050**	**0.0155**	2270	2230
10/14/07	39.0	9.17	0.0182	0.0210	**0.155**	**0.155**	5.12	5.02	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7920	8430	0.407	0.390	0.102	0.0886	2.60	1.67	314	155	**0.050**	**0.050**	2020	2160
11/10/07	52.0	9.54	0.0208	0.0294	**0.155**	**0.155**	5.07	5.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	0.0152	7830	8440	**0.0500**	**0.0500**	0.104	0.0724	3.03	2.16	375	156	**0.050**	**0.050**	1990	2140
12/09/07	32.9	9.01	0.0196	0.0282	**0.155**	**0.155**	5.50	5.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9130	9310	0.294	0.338	0.119	0.0896	3.14	1.70	369	180	0.162	**0.050**	2390	2480
01/27/08	18.7	9.67	0.0192	0.0374	**0.155**	**0.155**	5.95	7.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10100	11100	0.299	0.371	0.0710	0.0680	2.60	1.73	378	179	**0.0155**	**0.050**	2620	2830
02/21/08	24.3	4.84	**0.0250**	**0.0250**	**0.155**	**0.155**	5.81	5.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10400	10300	0.382	0.529	0.0818	0.0632	2.78	1.73	451	169	**0.0155**	**0.0155**	3020	2880
03/16/08	21.1	4.84	0.0160	0.0330	**0.155**	**0.155**	4.96		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8780	9950	**0.0500**	**0.0500**	0.0740	0.0672	2.47	1.62	422	183	**0.0155**	**0.0155**	2370	2600
04/20/08	20.6	5.69	**0.0075**	**0.0075**	**0.155**	**0.155**	5.86	5.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10400	10300	0.467	0.405	0.0922	0.0880	3.06	2.16	534	182	**0.0155**	**0.0155**	3020	3010
05/29/08	94.5	23.3	0.0169	0.0563	0.391	**0.155**	4.00	3.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4110	4170	0.205	**0.100**	0.126	0.0807	4.35	3.49	448	217	**0.0155**	**0.0155**	1130	1140
Mean	106	14.9	0.0861	0.0333	0.348	0.178	6.25	5.41	0.0265	0.0107	0.1513	0.1379	1.90	1.69	0.02710	0.0115	8400	8370	0.334	0.267	0.173	0.115	4.71	2.73	565	214	0.2083	0.079	2290	2270
Median	55.7	10.4	0.0250	0.0258	0.312	0.155	6.10	5.49	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0100	8920	8670	0.328	0.231	0.135	0.112	3.85	2.47	451	213	0.0500	0.050	2340	2360
St. Deviation	126	11.7	0.2943	0.0228	0.215	0.082	1.12	0.820	0.0845	0.0042	0.2950	0.2856	1.44	1.01	0.10112	0.0046	2060	2210	0.219	0.208	0.127	0.0350	2.38	1.21	253	92.0	0.3261	0.092	560.0	580.0
# of values	41	41	41	39	41	41	41	40	41	41	41	40	41	41	41	41	41	40	41	38	41	35	41	41	41	41	41	33	41	41
Minimum	12.5	3.44	0.0048	0.00155	0.125	0.125	4.00	3.40	0.00442	0.001495	0.00155	0.00155	0.750	0.750	0.003095	0.003095	2790	2590	0.031	0.03565	0.050	0.0632	2.47	1.14	293	62.7	0.0155	0.011	859	809
Maximum	652	49.2	1.81	0.100	0.938	0.464	9.05	7.21	0.543	0.0288	0.750	0.750	5.50	5.00	0.658	0.0208	11000	11400	0.997	0.953	0.782	0.226	14.1	6.92	1370	455	1.53	0.346	3110	3220
% of values undetected	2%	7%	39%	49%	46%	83%	0%	0%	90%	98%	93%	93%	90%	90%	90%	93%	0%	0%	22%	37%	2%	0%	0%	0%	0%	0%	61%	76%	0%	0%
# of values between MDL and PQL	0	0	18	13	8	5	0	0	3	1	1	3	2	2	3	3	0	0	3	1	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.067	0.066	NA	NA	10.98	10.56276	NA	NA	1.865	1.791	1000	1000	0.289	0.308	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	100%	73%	7%	0%	20%	6%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100H																									
Sample Date																									
05/01/04	68.8	51.4	0.0053		1.46	1.11	0.696	0.509	639	595	**0.155**	**0.155**	4200	**0.00620**	**0.00310**	1840	1780	**0.0125**	**0.0125**	**0.155**	**0.155**	0.812	0.492	4.30	3.81
05/18/04	42.5	35.9	**0.0005**		1.78	1.42	0.606	0.673	491	455	**0.155**	**0.155**	4200	**0.00310**	**0.00310**	2120	2080	**0.0125**	**0.0125**	**0.155**	**0.155**	1.18	**0.200**	1.83	2.83
06/16/04	33.9	32.2	**0.0009**		2.80	2.37	0.524	0.710	486	394	**0.355**	**0.155**	5980	**0.00310**	**0.00310**	3480	2820	**0.0125**	**0.0125**	**0.925**	**0.155**	0.538	**0.345**	**0.750**	2.46
07/13/04	62.3	42.6	0.0021		4.00	4.39	0.846	0.865	677	611	**0.155**	**0.374**	7190	**0.0031**	**0.0031**	3610	3690	**0.0125**	**0.0125**	**0.155**	**0.155**	1.28	0.708	1.81	**0.750**
08/25/04	42.5	39.9	0.0018		4.34	3.75	0.649	0.737	782	722	**0.346**	**0.155**	8470	0.113	**0.0031**	3890	3790	**0.0125**	**0.0125**	**0.155**	**0.155**	0.697	**0.343**	**0.750**	**0.750**
09/14/04	44.1	41.5	0.0014		2.99	2.85	0.466	0.599	604	576	**0.362**	**0.155**	8330	**0.0031**	**0.0031**	3520	3520	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	**0.750**
10/16/04	53.0	52.4	**0.0005**		2.08	2.04	0.497		531	538	**0.351**	**0.155**	7630	**0.0031**	**0.0031**	2930	3040	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.65	1.72
01/27/05	42.4	42.3	0.0010		2.54	2.60	0.569	0.566	583	592	**0.421**	**0.355**	8880	**0.0031**	**0.0031**	3670	3710	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.750**	2.03
03/20/05	58.0	55.1	**0.000147**		3.12	3.46	0.403	0.400	708	673	0.516	0.509	8210	**0.001435**	**0.001435**	4520	3380	0.0199	**0.002125**	**0.0302**	**0.0302**	0.362	0.152	1.08	1.63
05/03/05	81.9	66.4	**0.00158**		1.21	1.15	0.479	0.565	602	577	0.212	0.185	3950	0.0116	**0.001435**	1660	1640	**0.0050**	**0.002125**	**0.0302**	**0.0302**	0.755	0.186	1.99	2.65
06/02/05	35.0	30.8	**0.000450**		2.34	2.19	0.716		569	564	**0.358**	**0.314**	5800	**0.0031**	**0.0031**	3370	3380	**0.016**	**0.0031**	**0.031**	**0.031**	**0.200**	**0.200**	3.44	**0.750**
07/10/05	74.2	44.4	**0.0025**		3.13	3.26	0.837		595	653	**0.277**	**0.0775**	6440	**0.0031**	**0.0031**	4070	4450	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.393**	**0.100**	3.00	
08/16/05	70.5	51.2	**0.000450**		4.05	3.93	0.993	1.16	752	755	**0.287**	**0.244**	7560	**0.0031**	**0.0031**	4300	4380	**0.0031**	**0.0031**	**0.031**	**0.031**	0.872	**0.201**	3.78	2.97
09/12/05	64.3	45.6	**0.0025**		2.18	2.08	0.936		849	822	**0.256**	**0.240**	6910	**0.0031**	**0.0136**	3230	3220	**0.0031**	**0.0031**	**0.031**	**0.031**	0.413	**0.100**	1.99	2.60
10/28/05	48.0	45.0	**0.00108**		1.85	1.99	0.686		566	529	**0.373**	**0.475**	9270	**0.0031**	**0.0031**	3720	3610	**0.0031**	**0.0031**	**0.031**	**0.031**	0.638	**0.284**	4.13	**1.17**
01/18/06	51.3	54.6	**0.00175**		2.95	3.36	0.687		693	801	**0.558**	**0.572**	10600	**0.0031**	**0.0031**	4190	4650	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	5.07	2.68
02/10/06	56.9	59.5	**0.00250**		2.89	3.04	0.929		697	748	**0.416**	**0.612**	9980	**0.0031**	**0.0031**	4430	4510	**0.0025**	0.012	**0.0155**	**0.0155**	**0.250**	**0.110**	1.68	
03/16/06	43.7	40.2	**0.000475**		2.73	3.18	0.600	0.748	715	695	**0.464**	**0.630**	8530	**0.0031**	**0.0031**	4260	3820	**0.0050**		**0.0155**		**0.110**	**0.250**	3.77	
05/23/06	101	55.5	0.00604		1.22	0.941	0.881	0.655	828	792	**0.155**	**0.155**	2130	**0.0031**	**0.0031**	1190	1200	**0.0025**	**0.0082**	**0.0155**	**0.0155**	1.77	**0.110**	10.3	2.00
06/19/06	53.6	49.1	**0.00250**		2.46	2.42	0.495		634	651	**0.155**	**0.155**	2800	**0.0031**	**0.0031**	3220	3280	0.0118	**0.0025**	**0.0155**	**0.0155**	0.843	**0.250**	2.84	1.77
07/22/06	52.2	49.9	**0.00171**		3.17	3.44	0.642		557	603	**0.343**	**0.155**	6900	**0.0310**	**0.0031**	3830	4270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.682**	**0.250**	1.65	
08/15/06	48.2	33.7	**0.00250**		1.88	1.86	0.708		404	410	**0.155**	**0.155**	4670	**0.0031**	**0.0031**	2880	2700	**0.0050**	**0.0050**	**0.050**	**0.050**	1.05	**0.250**	1.99	
09/13/06	47.5	39.7	**0.000475**		2.50	2.58	0.538	0.723	605	603	**0.155**	**0.365**	6800	**0.0031**	**0.0031**	3590	3600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.751**	**0.250**	**0.500**	1.29
11/03/06	45.5	40.5	**0.000475**		2.14	2.11	0.579	0.504	561	577	**0.155**	**0.155**	8020	**0.0104**	**0.0031**	3620	3720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.706**	**0.838**	1.32	2.20
12/14/06	43.3	33.2	**0.000475**		3.36	2.63	1.41	0.591	630	584	1.16	**0.421**	8700	0.0636	**0.0031**	3650	3800	0.137	**0.0050**	0.623	**0.050**	1.18	**0.250**	1.37	**0.500**
02/21/07	51.3	50.3	**0.000900**		3.16	3.57	0.866	0.976	682	746	**0.629**	**0.637**	9160	**0.0031**	**0.0031**	3790	4050	**0.0190**	**0.0050**	**0.050**	**0.050**	**0.345**	**0.155**	2.21	
03/16/07	54.3	52.1	**0.00250**		3.30	3.43	0.576		695	747	**0.579**	**0.630**	9830	**0.0031**	**0.0031**	3790	4070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.155**	2.58	
04/21/07	51.2	50.4	**0.00293**		2.35	2.28	0.723		1030	1050	**0.313**	**0.389**	5280	**0.0031**	**0.0031**	2610	2660	**0.0050**	**0.0050**	**0.050**	**0.050**	1.11	**0.155**	2.20	
05/10/07	90.4	72.0	**0.00242**		2.36	2.20	0.780		845	858	**0.155**	**0.155**	5120	**0.0070**	**0.0031**	2410	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	1.32	**0.155**	3.24	3.20
06/17/07	62.8	39.9	**0.000772**		3.74	3.34	0.718	0.627	652	625	**0.382**	**0.155**	6560	**0.0031**	**0.0031**	3900	3720	**0.0050**	**0.0050**	**0.050**	**0.050**	1.06	**0.155**	3.04	2.91
07/13/07	71.1	40.4	**0.00250**		3.65	3.11	0.781	0.682	508	476	**0.155**	**0.155**	6740	**0.0031**	**0.0031**	4130	3680	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.942**	**0.155**	1.14	**0.500**
08/16/07	61.2	51.2	**0.00250**		3.39	3.28	0.654		623	632	**0.155**	**0.155**	7350	**0.0031**	**0.0031**	4120	4070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.451**	**0.155**	2.28	
09/16/07	61.4	54.0	**0.00250**		2.58	2.51	0.521	0.625	585	608	**0.322**	**0.317**	5970	**0.0031**	**0.0031**	3490	3420	**0.0138**	**0.0130**	**0.050**	**0.050**	**0.663**	**0.155**	1.37	
10/14/07	37.6	34.8	**0.00114**		2.05	2.19	0.472	0.549	453	487	**0.397**	**0.417**	8220	**0.0031**	**0.0031**	3100	3280	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.43
11/10/07	37.6	29.4	**0.00250**		2.14	2.03	0.471	0.608	473	527	**0.155**	**0.155**	7560	**0.0110**	**0.0031**	3130	3330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.312**	**0.155**	**0.500**	
12/09/07	38.3	33.6	**0.000398**		2.45	2.48	0.683	0.716	523	569	**0.37**	**0.363**	8870	**0.0031**	**0.0031**	3630	3870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.43	2.05
01/27/08	36.8	34.4	**0.00075**		2.75	2.81	0.469	0.602	635	706	**0.425**	**0.553**	9850	**0.0031**	**0.0031**	3730	3960	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
02/21/08	38.4	31.3	**0.00075**		3.07	2.86	0.539		719	681	**0.560**	**0.477**	9740	**0.0031**	**0.0031**	4220	3990	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.26	1.22
03/16/08	40.3	37.7	**0.00075**		2.69	2.77	0.551	0.615	529	624	**0.490**	**0.527**	8500	**0.0031**	**0.0031**	3360	3640	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
04/20/08	49.7	45.3	**0.00075**		3.14	3.11	0.625		712	722	**0.481**	**0.454**	9890	**0.0031**	**0.0031**	4130	4160	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.51	
05/29/08	42.4	30.4	**0.00237**		1.22	1.15	0.453	0.569	477	483	**0.155**	**0.155**	3870	**0.0031**	**0.0031**	1810	1860	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.474**	**0.155**	1.21	1.57
Mean	53.4	44.4	0.0016	NA	2.66	2.62	0.665	0.663	632	636	0.342	0.312	7180	0.00860	0.0033	3420	3420	0.0104	0.0060	0.093	0.061	0.587	0.215	2.19	1.86
Median	51.2	42.6	0.0014	NA	2.69	2.60	0.642	0.625	623	611	0.346	0.244	7560	0.00310	0.0031	3620	3640	0.0050	0.0050	0.050	0.050	0.500	0.155	1.81	1.77
St. Deviation	15.2	10.0	0.0013	NA	0.760	0.810	0.192	0.156	124	129	0.194	0.175	2120	0.0197	0.0017	800.0	820.0	0.0208	0.0040	0.165	0.045	0.420	0.150	1.76	0.910
# of values	41	41	41	0	41	41	41	25	41	41	41	41	41	41	41	41	41	41	40	41	40	41	41	41	27
Minimum	33.9	29.4	0.000147	NA	1.21	0.941	0.403	0.400	404	394	0.155	0.0775	2130	0.001435	0.001435	1190	1200	0.0025	0.002125	0.0155	0.0155	0.100	0.100	0.500	0.500
Maximum	101	72.0	0.00604	NA	4.34	4.39	1.41	1.16	1030	1050	1.16	0.637	10600	0.113	0.0136	4520	4650	0.137	0.013	0.925	0.155	1.77	0.838	10.3	3.81
% of values undetected	0%	0%	56%		0%	0%	0%	0%	0%	0%	32%	44%	0%	83%	98%	0%	0%	85%	93%	95%	100%	34%	78%	22%	22%
# of values between MDL and PQL	0	0	12		0	0	0	0	0	0	25	21	0	4	1	0	0	3	2	1	0	10	5	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	10.60	10.57	NA	NA	5	4.6	NA	0.1589172	0.135	NA	NA	NA	NA	NA	NA	NA	NA	24.28	23.94
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	51%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK100I																											
Sample Date																											
05/01/04	6.80	0.10	12.25		0.050		5.0	19.2	70.0	42.5	5.20	**1.57**	14.0	**0.0910**			**0.0155**		1.04	**0.050**	6.28	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/18/04	6.57	4.14	11.08		0.050	352.0		14.6	45.0	26.3	2.30	**1.57**	**9.50**	**0.0155**			**0.0360**		0.589	**0.0460**	9.22	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/16/04	6.73	10.62	9.58		0.082	-9.0		26.9	80.0	48.8	0.90	**1.57**	13.5				**0.0155**		0.540	**0.0830**	21.7	0.00500	0.00580	**0.065**			**0.0155**
07/13/04	6.20	16.56	9.93		0.086	50.0	16.8	32.6	100	72.5	2.50	**1.57**	21.0	**0.155**			**0.0391**		0.540	**0.075**	24.0	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/25/04	7.12	15.35	11.17		0.099	275.0	0.9	31.6	100	58.8	0.60	**1.57**	22.5	**0.155**			**0.0155**		0.651	**0.057**	21.0	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/14/04	6.73	5.27	13.13		0.104	187.0	0.6	30.7	100	73.8	0.74	**1.57**	20.5	**0.155**			**0.0155**		0.792	0.112	24.6	**0.0025**	**0.0030**	**0.280**			**0.0155**
10/16/04	6.57	4.50	12.3		0.082			24.5	90.0	48.8	**0.40**	**1.57**	15.0	**0.350**			**0.040**		1.33	**0.0155**	21.3	0.00500	**0.00125**	**0.170**			**0.0155**
01/29/05	5.06	2.04			0.117	160.0	9.0	28.1	90.0	75.0	2.96	**0.785**	16.0	2.680			0.0943		0.740	**0.074**	20.4	**0.00125**	**0.00125**	**0.110**			**0.0155**
03/20/05	7.71	0.20	13.4	93.5	0.122	41.0	7.3	42.7	115	78.7	1.24	**4.50**	25.0	0.190			0.0729		0.810	**0.060**	27.9	**0.00125**	**0.00125**	**0.580**			**0.033**
05/02/05	5.82	1.57	13.2	94.2	0.045	128.5	1.61	14.3	39.0	40.0	4.60	6.80	10.5	0.140			0.0608		0.703	**0.0155**	6.36	**0.00125**	**0.00125**	**0.380**			**0.046**
06/02/05	7.56	8.95	11.02	93.9	0.080	-19.0	3.5	26.3	75.0	62.5	1.50	**1.75**	11.0	0.270			0.0285		0.572	**0.036**	19.4	**0.00125**	**0.00125**	**0.610**			**0.0155**
07/10/05	6.92	15.27	8.14	81.2	0.095	-85.1	1.62	33.8	90.0	70.0	2.70	**2.00**	20.0	**0.0155**			0.0740		0.458	**0.050**	19.1	**0.0025**	**0.00125**	**0.380**			**0.0155**
08/16/05	6.99	13.92	8.40	81.4	0.098	89.5	3.0	38.5	100	72.5	1.50	**3.63**	24.5	0.120			0.0300		0.550	**0.044**	21.6	**0.00125**	**0.00125**	**0.320**			**0.039**
09/12/05	6.66	9.46	10.69	93.6	0.071	96.8	2.42	26.8	75.0	52.5	**0.286**	**4.13**	17.5	0.223			0.0350		1.15	**0.044**	12.5	**0.00125**	**0.00125**	**0.570**			**0.050**
10/28/05	6.78	0.93	13.15	92.3	0.094	123.4	0.75	32.6	95.0	62.5	**0.548**	**2.88**	16.5	0.105			**0.014**		0.958	**0.033**	24.1	**0.00125**	**0.00125**	**0.210**			**0.050**
01/18/06	6.62	0.08	10.16	69.7	0.093	114.2	0.68	38.7	100	51.3	1.03	**2.75**	21.5	0.221			**0.00165**		0.780	**0.051**	27.5	**0.00125**	**0.00125**	**0.270**			**0.0155**
02/10/06	6.70	0.00	12.1	82.9	0.058	140.8	1.65	40.8	115	68.7	3.54	5.50	24.0	0.105			**0.018**		0.891	**0.038**	29.6	**0.00125**	**0.00125**	**0.0295**			0.128
03/13/06	6.54	0.23	12.84	88.6	0.065	166.9	0.76	48.6	115	87.5	0.51	8.75	30.0	0.128			0.0100		0.879	**0.0155**	29.0	**0.00125**	**0.00125**	**0.155**			**0.050**
05/23/06	4.99	1.67	8.32	59.7	0.029	157.0	2.1	10.1	26.5	27.5	20.8	**4.75**	**9.00**	**0.0770**	**0.0155**	**0.0770**	0.0560	**0.0155**	0.798	**0.0155**	3.12	**0.0025**	**0.0025**	**0.430**			**0.050**
06/19/06	6.40	11.21	6.98	63.6	0.072	52.2	0.74	26.3	70.0	46.3	1.40	**2.75**	13.0	**0.0385**	**0.0500**	**0.0155**	0.0220	**0.0155**	0.599	**0.0520**	17.4	**0.00105**	**0.00075**	**0.310**			**0.0155**
07/23/06	6.58	11.57	6.01	55.2	0.086	123.9	1.07	36.5	80.0	52.5	1.00	**3.75**	16.0	**0.0155**	**0.0155**	**0.0155**	0.0300	**0.05**	0.422	**0.0580**	22.0	**0.00105**	0.0060	**0.155**			**0.0500**
08/15/06	7.96	9.22	7.10	61.8	0.064	132.9	0.67	26.3	60.0	55.0	0.58	**4.00**	13.0	**0.0310**	**0.0155**	**0.0155**	0.0210	**0.05**	0.313	**0.0530**	11.4	**0.00075**	**0.00075**	**0.155**			0.159
09/13/06	6.77	11.88	7.85	72.7	0.083	98.7	0.73	31.2	80.0	67.5	0.60	**1.57**	15.0	**0.0155**	**0.0155**	**0.0155**	0.0150	**0.0155**	0.702	**0.0360**	21.9	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/03/06	4.51	0.09	10.02	68.1	0.001	195.7	0.44	33.6	80.0	60.0	0.51	**4.50**	12.0	**0.0530**	**0.0155**	**0.0400**	0.0160		0.705	**0.0155**	25.6	**0.00075**	**0.00075**	**0.155**			**0.0155**
12/14/06	6.75	0.26	10.26	70.3	0.101	88.9	0.87	37.3	75.0	66.2	1.80	**3.50**	15.0	**0.050**	**0.0155**	**0.050**	0.0200	**0.05**	0.649	**0.0360**	26.6	**0.0020**	**0.0020**	**0.155**			**0.0155**
02/21/07	6.52	0.04	11.48	78.9	0.104	143.9	0.99	37.0	100	72.5	3.82	**1.57**	27.0	0.115	**0.0155**	0.110	**0.0040**	**0.0155**	0.722	**0.0500**	25.0	**0.0040**	**0.00075**	**0.155**			**0.0390**
05/10/07	6.54	1.49	11.37	81.0	0.053	82.9	2.62	19.4	50.0	33.8	18.3	**4.00**	12.0	**0.050**			0.0526		0.644	**0.0440**	9.39	**0.00075**	**0.0025**	**0.155**			**0.0429**
06/17/07	7.06	12.67	8.73	82.3	0.086	59.8	0.81	33.1	85.0	67.5	1.40	**3.50**	14.0	**0.0310**			0.0228		0.562	**0.0820**	22.9	**0.00075**	**0.00075**	**0.155**		2.06	**0.0155**
07/13/07	6.59	12.24	7.03	65.6	0.088	59.2	1.36	34.6	85.0	73.8	2.00	**4.00**	16.9	**0.050**			0.0330		0.427	**0.0610**	21.0	**0.00075**	**0.00075**	**0.155**		2.55	**0.0155**
08/16/07	7.04	12.98	8.77	83.3	0.089	37.2	1.57	32.6	90.0	61.3	0.81	**1.57**	23.3	**0.0385**			0.0289		0.354	**0.0420**	18.8	**0.00075**	**0.00075**	**0.155**		2.46	**0.0379**
09/16/07	6.84	9.11	7.30	63.3	0.077	89.1	0.91	31.8	75.0	65.0	0.60	**1.57**	17.9	**0.0155**			0.0218		0.625	**0.0440**	15.7	**0.00075**	**0.00075**	**0.155**		2.60	**0.0155**
10/14/07	6.76	2.08	13.75	99.8	0.083	182.5	0.75	30.8	80.0	58.8	0.62	**1.57**	13.1	0.123			0.0132		0.695	**0.0410**	21.5	**0.00075**	**0.00075**	**0.155**		1.02	**0.0155**
11/10/07	6.92	0.22	10.25	70.8	0.086	149.7	0.34	31.8	80.0	73.8	**0.417**	**1.57**	13.5	**0.0905**			0.0127		0.682	**0.0430**	22.2	**0.00075**	**0.00075**	**0.155**		1.53	**0.0155**
12/10/07	7.07	0.27	14.84	102.6	0.088	103.1	0.52	34.2	86.7	60.0	**0.80**	**1.57**	16.3	0.116			0.0157		0.590	**0.0155**	21.9	**0.0025**	**0.0025**	**0.155**		1.59	**0.0155**
01/23/08	7.66	0.22	9.43	64.8	0.103	49.3	2.05	39.6	112	51.3	4.38	**4.75**	20.8	0.149			0.0331		0.620	**0.0440**	26.2	**0.00075**	**0.00075**	**0.155**		1.30	**0.0155**
02/23/08	7.39	0.24	8.64	59.8	0.108	276.1	1.38	39.5	115	97.5	1.60	**8.14**	25.0	**0.0620**			0.0225		0.599	**0.0440**	24.8	**0.00075**	**0.00075**	**0.155**		1.24	**0.0358**
03/14/08	6.60	0.25	9.05	62.4	0.108	169.7	1.15	35.2	107	83.8	1.12	**7.22**	26.7	0.146			0.0134		0.601	**0.0450**	24.2	**0.0025**	**0.0025**	**0.155**		0.994	**0.0457**
04/20/08	7.48	0.29	11.0	76.0	0.111	140.9	1.23	41.8	106	72.5	1.00	**5.12**	28.6	0.205			0.0171		0.628	**0.0490**	22.1	**0.00075**	**0.00075**	**0.155**		1.17	**0.050**
05/29/08	7.09	2.48	9.85	72.2	0.045	107.5	0.96	15.4	44.3	47.5	2.81	**4.22**	10.3	0.143			0.0263		0.510	**0.0155**	8.50	**0.00075**	**0.00075**	**0.155**		2.88	**0.0706**
Mean	6.71	5	10.3	77.0	0.081	117.0	2	31.0	84.0	61.2	2.50	3.32	18.0	0.177	0.0198	0.0420	0.0285	0.0300	0.677	0.0460	19.9	0.00150	0.0015	0.207	NA		1.78	0.0338
Median	6.75	2.08	10.2	76.0	0.086	114.2	1	32.6	85.0	62.5	1.24	2.88	16.3	0.110	0.0155	0.0280	0.0220	0.0200	0.644	0.0440	21.7	0.00125	0.0013	0.155	NA		1.56	0.0155
St. Deviation	0.69	6	2.20	13.2	0.025	82.0	3	8.50	22.0	15.6	4.20	2.00	6.00	0.424	0.0122	0.0350	0.0202	0.0200	0.204	0.0210	6.80	0.00110	0.0012	0.143	NA		0.69	0.0305
# of values	39	39	38	31	39	37	36	39	39	39	39	39	39	38	8	8	39	7	39	39	39	39	39	39	0		12	39
Minimum	4.51	0.00	6.01	55.2	0.001	-85.1	0.34	10.1	26.5	26.3	0.286	0.785	9.00	0.0155	0.0155	0.0155	0.00165	0.0155	0.313	0.0155	3.12	0.00075	0.00075	0.0295	NA		0.994	0.0155
Maximum	7.96	16.56	14.84	102.6	0.122	352	16.8	48.6	115	97.5	20.8	8.75	30.0	2.68	0.0500	0.110	0.0943	0.050	1.33	0.112	29.6	0.00500	0.0060	0.610	NA		2.88	0.159
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	0%	29%	100%	63%	13%	100%	0%	23%	0%	90%	90%	67%			0%	69%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	5	21	2	10	0	2	6	0	0	29	0	2	2	13			0	10
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.07
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	15%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	NA	0%	0%
% of DWS exceedences	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100I																														
Sample Date																														
05/01/04	112	36.6	**0.0385**	**0.100**	**0.125**	**0.125**	6.53	4.70	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5400	4970	0.237	0.249	0.217		3.01	2.07	870	346	**0.100**	**0.050**	1390	1300
05/18/04	57.5	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.57	2.94	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4180	4060	**0.100**	**0.100**	**0.0626**		2.62	2.76	378	233	**0.050**	**0.050**	1020	1010
06/16/04	**12.5**	**12.5**	6.460	0.290	**0.125**	**0.125**	4.63	5.30	**0.0075**	**0.0075**	**0.750**	**0.750**	**6.15**	**1.55**	**0.0155**	**0.0155**	7800	7520	0.205	**0.0500**	**0.050**		2.62	2.24	274	163	**0.050**	**0.050**	1790	1560
07/13/04	34.1	**12.5**	**0.0385**	**0.100**	**0.266**	**0.125**	6.62	6.67	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9710	9350	**0.100**	**0.100**	0.140		4.23	3.05	728	381	**0.050**	**0.050**	2020	2060
08/25/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.81	4.53	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9260	9270	**0.184**	0.247	**0.050**		2.71	2.17	344	189	**0.050**	**0.050**	2070	2100
09/14/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.296**	**0.125**	4.40	4.25	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.10**	**3.40**	**0.0155**	**0.0155**	8870	8870	0.625	0.204	**0.050**	0.582	2.13	1.73	203	96.7	**0.050**	**0.050**	2080	2110
10/16/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.45	4.12	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7130	6760	**0.100**	**0.100**	**0.050**		2.49	1.93	132	75.8	**0.050**	**0.050**	1630	1600
01/29/05	56.5	9.53	0.0234	0.0248	**0.125**	**0.125**	6.79	6.52	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.0352**	7660	7860	0.460	0.445	0.113	0.0682	20.4	15.9	116	**10.0**	**0.0676**	**0.0155**	2180	2200
03/20/05	3.91		0.0232	0.0224	0.126	0.162	6.23	7.56	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.92	1.67	**0.003095**	**0.00729**	12200	14200	**0.03565**	**0.150**	0.0885	0.114	1.81		161		**0.011**	**0.035**	2960	3050
05/02/05	139	37.5	**0.0118**	**0.010**	0.198	0.138	6.73	5.31	**0.00647**	**0.0050**	**0.003835**	**0.003835**	2.11	2.00	**0.00807**	**0.0100**	4010	3990	**0.03565**	**0.03565**	0.238	0.207	3.01	2.11	672	403	**0.035**	**0.035**	1040	1070
06/02/05	28.9	9.78	0.0168	0.0204	**0.125**	**0.125**	5.17	4.77	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7830	7620	**0.0310**	**0.100**	0.061	0.0512	3.09	2.45	180	66.4	**0.0155**		1630	1640
07/10/05	22.2	6.77	0.0104	0.0136	**0.125**	**0.125**	5.64	5.15	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	9770	9840	**0.0310**	**0.100**	0.0712	0.0524	3.53	2.45	399	125	**0.0155**		2280	2290
08/16/05	19.7	6.46	**0.00155**	**0.00155**	**0.125**	**0.125**	6.01	5.65	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	11400	11200	0.503		0.0902	0.0700	3.87	2.67	570	121	**0.0155**		2440	2430
09/12/05	40.8	19.5	0.0232	0.0202	**0.125**	**0.125**	6.04	5.70	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	7650	7470	0.908	0.955	0.0838	0.0736	3.24	2.35	393	149	**0.0155**		1870	1810
10/28/05	14.9	7.67	**0.0098**		**0.125**	**0.352**	6.18	6.04	**0.0075**	**0.0075**	**0.0036**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	9590	9120	0.581	0.332	0.0546	0.0516	2.41	1.54	133	40.4	**0.0155**		2110	2150
01/18/06	14.6	4.49	**0.0075**	**0.0224**	**0.155**	**0.155**	6.76	7.63	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	11200	12700	0.402	**0.0500**	0.0878	0.0916	2.79	1.60	271	42.8	**0.013**		2620	2890
02/10/06	134	2.90	**0.0312**	**0.0256**	**0.155**	**0.155**	12.6	10.2	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	11700	10900	0.323	**0.170**	0.236	0.173	3.13	1.09	571	32.1	0.0726		2820	2720
03/13/06	12.9	4.30	0.0624	**0.025**	**0.155**	**0.155**	10.0	9.28	**0.012**	**0.0120**	0.0614	**0.0250**	**0.750**	**2.50**	**0.0125**	**0.0125**	13500	12200	**0.100**		0.103	0.0864	2.17	1.10	154	53.4	**0.013**		3600	3310
05/23/06	404	45.2	**0.0250**	**0.0250**	**0.155**	**0.155**	7.31	5.43	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**2.39**	**0.0125**	**0.0276**	2790	2730	0.528	0.349	0.344	0.205	5.45	3.03	855	182	0.226		763	779
06/19/06	29.0	10.6	**0.0188**	**0.0075**	**0.155**	**0.155**	5.51	4.92	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	7740	7490	0.578	0.666	0.101	0.0762	3.44		354	130	0.562		1700	1580
07/23/06	19.0	4.64	**0.0174**	**0.0216**	**0.155**	**0.155**	6.99	6.38	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10800	10200	0.612	0.680	0.132	0.121	3.90	2.25	482	107	**0.0155**		2330	2150
08/15/06	30.6	21.9	**0.0188**	**0.0194**	**0.155**	**0.155**	5.55	4.81	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7410	6310	**0.0500**	**0.0500**	0.0746	0.0334	3.08	2.60	247	133	1.65	0.161	1820	1760
09/13/06	10.3	5.79	**0.0176**	**0.0250**	**0.155**	**0.155**	5.83	5.61	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9240	8620	**0.0500**	**0.0500**	0.0542	0.0460	2.68	2.14	248	116	0.145	0.140	1960	1860
11/03/06	11.7	8.02	**0.0075**	**0.0075**	**0.155**	**0.155**	7.18	7.71	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9900	10300	**0.100**	**0.0500**	0.0808	0.0746	1.94	1.41	152	66.0	**0.050**	**0.050**	2160	2360
12/14/06	32.3	4.86	**0.0075**	**0.0172**	**0.155**	**0.155**	8.47	8.80	**0.0125**	**0.0125**	**0.0075**	**0.0160**	**1.25**	**1.25**	**0.0185**	**0.0185**	10600	10400	**0.0500**	**0.0500**	0.154	0.137	2.84	1.40	161	45.3	**0.050**	**0.050**	2640	2430
02/21/07	29.9	4.26	**0.0250**	**0.0250**	**0.155**	**0.155**	7.18	8.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10500	12200	**0.100**	**0.0500**	0.136	0.129	2.09	1.20	208	77.6	**0.050**	**0.050**	2590	2790
05/10/07	393	18.8	**0.0376**	**0.0358**	0.557	**0.456**	9.25	6.12	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5450	5250	0.529	0.303	0.240	0.107	5.42	2.16	1540	673	0.234	0.103	1400	1260
06/17/07	24.9	8.64	**0.0250**	**0.0250**	**0.155**	**0.155**	6.61	6.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9850	10100	0.213	**0.100**	0.102	0.0938	3.74	2.82	324	168	0.160	**0.050**	2070	2140
07/13/07	43.1	9.17	**0.0075**	**0.0250**	**0.335**	**0.155**	6.59	6.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10100	10000	**0.132**	0.261	0.173	0.139	4.92	2.97	543	241	**0.0155**	**0.0155**	2310	2330
08/16/07	15.2	6.66	**0.0188**	**0.0212**	**0.155**	**0.155**	5.07	4.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9530	9610	0.421	**0.168**	0.105	0.0864	2.95	2.41	432	161	**0.0155**	**0.0155**	2140	2170
09/16/07	20.5	11.7	**0.0075**	**0.0192**	**0.155**	**0.155**	5.83	5.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9360	9370	**0.100**	**0.100**	0.0824	0.0798	2.94	2.26	315	174	**0.050**	**0.0155**	2050	2030
10/14/07	19.1	8.59	**0.0075**	**0.0154**	**0.155**	**0.155**	6.13	5.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9120	8550	0.440	0.296	0.0506	0.0414	2.48	1.68	117	50.2	**0.050**	**0.050**	1940	1820
11/10/07	12.5	8.35	**0.0162**	**0.0234**	**0.155**	**0.155**	5.76	6.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9440	9840	0.253	**0.0500**	0.0480	0.0430	2.41	2.00	99.4	61.2	**0.0155**	**0.0155**	1990	2080
12/10/07	23.1	7.33	**0.0075**	**0.0192**	**0.155**	**0.155**	6.51	6.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10100	10100	0.362	0.358	0.0838	0.0754	2.18	1.49	173	80.7	**0.0155**	**0.0155**	2150	2140
01/23/08	94.5	6.21	**0.0164**	**0.0192**	**0.155**	**0.155**	8.34	7.45	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11600	11300	0.285	0.218	0.135	0.100	3.76	2.40	425	181	**0.050**	**0.050**	2570	2500
02/23/08	32.8	5.64	**0.0250**	**0.0250**	**0.155**	**0.155**	7.65	8.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11400	12700	0.362		0.103	0.101	3.29	2.05	315	153	**0.0155**	**0.050**	2690	2880
03/14/08	18.7	4.23	**0.0075**	**0.0284**	**0.155**	**0.155**	6.29	7.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	10600	0.239	**0.0500**	0.118	0.106	2.51	1.51	339	186	**0.0155**	**0.0155**	2320	2340
04/20/08	19.1	5.91	**0.0075**	**0.0075**	**0.155**	**0.155**	7.20	6.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11900	11400	0.430	0.343	0.135	0.121	2.30	1.63	421	195	**0.0155**	**0.050**	2960	2830
05/29/08	72.0	22.8	**0.0075**	**0.0075**	**0.155**	**0.155**	4.31	4.01	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4430	4480	**0.100**	**0.0500**	0.105	0.0822	2.63	2.34	326	185	**0.0155**	**0.0155**	1040	1050
Mean	53.8	11.8	0.1857	0.0329	0.168	0.158	6.48	6.17	0.0103	0.0103	0.1411	0.1403	1.80	1.54	0.01093	0.0122	8990	8960	0.279	0.210	0.113	0.1097	3.49	2.46	375	155	0.1053	0.048	2080	2070
Median	23.1	8.62	0.0188	0.0229	0.155	0.155	6.29	6.04	0.0120	0.0120	0.0075	0.0075	1.25	1.25	0.00775	0.0078	9530	9370	0.237	0.130	0.101	0.0864	2.94	2.16	324	132	0.0500	0.050	2080	2140
St. Deviation	87.6	9.66	1.0312	0.0472	0.078	0.061	1.66	1.54	0.0028	0.0029	0.2887	0.2889	1.38	0.740	0.00441	0.0062	2470	2660	0.218	0.210	0.066	0.0950	2.91	2.33	276	126	0.2721	0.035	580.0	590.0
# of values	39	38	39	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	33	39	37	39	38	39	28	39	39
Minimum	3.91	2.90	0.00155	0.00155	0.125	0.125	3.57	2.94	0.001495	0.001495	0.00155	0.00155	0.750	0.750	0.003095	0.00729	2790	2730	0.031	0.03565	0.048	0.0334	1.81	1.09	99.4	10.0	0.011	0.0155	763	779
Maximum	404	45.2	6.46	0.290	0.557	0.456	12.6	10.2	0.0125	0.0125	0.750	0.750	6.15	5.00	0.0185	0.0352	13500	14200	0.908	0.955	0.344	0.582	20.4	15.9	1540	673	1.65	0.161	3600	3310
% of values undetected	10%	16%	54%	50%	85%	90%	0%	0%	97%	100%	95%	97%	90%	90%	97%	92%	0%	0%	38%	50%	10%	0%	0%	0%	0%	3%	79%	89%	0%	0%
# of values between MDL and PQL	0	0	11	13	3	2	0	0	1	0	1	1	2	2	1	3	0	0	2	3	1	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.065	0.064	NA	NA	10.98	10.56276	NA	NA	1.799	1.727	1000	1000	0.274	0.294	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	70%	3%	0%	5%	0%	0%	0%
% of DWS exceedences	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK100I																									
Sample Date																									
05/01/04	84.9	65.8	0.0031		**0.350**	**0.428**	0.823	0.703	571	536	**0.155**	**0.155**	3420	**0.00310**	**0.00310**	2000	1990	**0.0125**	**0.0125**	**0.155**	**0.155**	0.442	**0.125**	3.52	2.85
05/18/04	16.7	17.8	0.0017		**0.500**	**0.396**	0.543	0.647	422	403	**0.155**	**0.155**	3410	**0.00310**	**0.00310**	1870	1900	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.200**	2.06	1.95
06/16/04	13.4	15.2	**0.0009**		**0.668**	**0.575**	0.701	0.789	474	449	**0.155**	**0.500**	4600	**0.00310**	**0.00310**	3270	2890	**0.0125**	**0.0125**	**0.492**	**0.618**	**0.276**	**0.125**	**0.750**	2.07
07/13/04	63.6	49.3	0.0010		**0.663**	**0.832**	1.00		487	482	**0.360**	**0.343**	5230	**0.0031**	**0.0031**	3490	3540	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.334**	**0.33**	1.50	**0.750**
08/25/04	24.2	23.0	0.0011		**0.736**	**0.467**	0.727	0.847	534	563	**0.317**	**0.155**	4270	**0.0031**	**0.0031**	3390	3380	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	**0.750**
09/14/04	17.7	16.5	0.0017		**0.563**	**0.566**	0.598		514	522	**0.155**	**0.155**	5220	**0.0031**	**0.0031**	3330	3430	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	**0.750**
10/16/04	8.94	8.67	0.0011		**0.513**	**0.501**	0.606		481	449	**0.324**	**0.155**	6040	**0.0031**	**0.0031**	2820	2770	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.85	2.14
01/29/05	16.9	7.55	0.0010		2.21	2.14	1.12	1.11	854	867	**0.386**	**0.389**	10900	0.0284	**0.0031**	3690	3820	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	3.48	4.66
03/20/05	32.6	39.8	**0.000147**		1.98	2.24	0.608	0.621	615	725	0.720	0.819	8980	**0.001435**	**0.005000**	4020	4120	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.104		1.86	1.24
05/02/05	99.3	96.8	**0.00183**		0.349	0.305	0.535	0.495	498	480	0.165	0.136	2940	**0.005000**	**0.001435**	1320	1360	0.0117	**0.0050**	**0.100**	**0.0302**	0.387	0.138	1.49	2.17
06/02/05	12.5	10.2	**0.000450**		0.564	0.541	0.910	1.11	531	519	**0.293**	**0.243**	4840	**0.0031**	**0.0031**	3020	3060	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.750**	**0.750**
07/10/05	18.9	16.8	**0.0025**		0.728	0.708	0.860	0.944	514	519	**0.168**	**0.0775**	4680	**0.0031**	**0.0031**	3820	3890	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.326**	**0.100**	18.5	20.1
08/16/05	27.9	20.2	**0.0025**		0.755	0.684	1.03	1.25	623	648	**0.304**	**0.265**	4080	**0.0031**	**0.0031**	4100	4180	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.306**	**0.298**	2.44	3.59
09/12/05	9.86	5.44	**0.0025**		0.511	0.510	0.819		676	667	**0.201**	**0.0775**	4430	**0.0031**	**0.0031**	2930	2900	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	1.89	2.63
10/28/05	10.3	7.68	**0.000450**		0.383		0.901		557	543	**0.325**	0.567	8860	**0.0031**	**0.0124**	3460	3630	**0.0031**	**0.0031**	**0.031**	**0.031**	0.556	**0.239**	**1.18**	
01/18/06	27.7	27.0	**0.000450**		0.873	0.978	1.10		684	797	**0.575**	**0.615**	9960	**0.0031**	**0.0031**	4060	4600	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.04	
02/10/06	110	98.7	**0.00250**		1.27	0.824	1.30	1.48	728	671	**0.476**	**0.489**	8700	**0.0031**	**0.0031**	4570	4490	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.32	2.79
03/13/06	30.2	25.9	**0.000475**		1.55	1.61	0.932		887	803	**0.528**	**0.685**	7810	**0.0031**	**0.0031**	4990	4600	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	5.00	5.04
05/23/06	97.0	90.0	**0.00250**		0.340		0.800	0.925	815	788	**0.155**	**0.155**	1600	**0.0031**	**0.0031**	976	1110	**0.0025**	0.0110	**0.0155**		0.975	**0.267**	3.50	
06/19/06	20.9	16.6	**0.00250**		0.716	0.663	0.659		618	597	**0.155**	**0.155**	4300	**0.0031**	**0.0031**	3040	2890	**0.0050**	**0.0025**	**0.0155**	**0.0155**	0.814	0.826	2.14	
07/23/06	52.1	47.1	**0.00143**		0.726	0.683	0.975		551	525	**0.155**	**0.155**	4460	**0.0031**	**0.0031**	3920	3630	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.500**	
08/15/06	11.4	9.81	**0.00250**		0.477	0.471	0.790	0.966	365	355	**0.155**	**0.155**	3670	**0.0031**	**0.0031**	2830	2750	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.99	1.42
09/13/06	11.8	8.56	**0.000475**		0.600	0.570	0.681	0.878	562	514	**0.155**	**0.155**	4980	**0.0031**	**0.0031**	3400	3300	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.500**	1.14
11/03/06	26.7	25.1	**0.000475**		0.524	0.513	0.765	0.727	544	565	**0.155**	**0.155**	7240	**0.0031**	**0.0031**	3540	3830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.930**	1.16	
12/14/06	39.1	36.2	**0.000475**		0.800	0.755	1.05	1.03	627	600	**0.387**	**0.579**	7930	**0.0031**	**0.0031**	4040	3820	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.30	
02/21/07	37.0	38.0	**0.00132**		0.820	0.932	1.22	1.29	597	720	**0.578**	**0.618**	8520	**0.0031**	**0.0031**	3770	4070	0.0214	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.66	
05/10/07	65.4	64.4	**0.00151**		0.885	0.764	0.957	0.602	796	749	**0.155**	**0.155**	3600	**0.0090**	**0.0031**	2050	1920	**0.0142**	**0.0050**	**0.050**	**0.050**	1.74	**0.483**	3.48	1.42
06/17/07	23.0	19.5	**0.000169**		0.928	0.883	0.992	1.05	641	656	**0.382**	**0.354**	5160	**0.0092**	**0.0031**	3610	3730	**0.0152**	**0.0050**	**0.050**	**0.050**	**0.333**	**0.155**	1.47	1.85
07/13/07	46.0	37.6	**0.00250**		0.806	0.784	1.08	1.11	510	525	**0.155**	**0.155**	4820	**0.0031**	**0.0031**	3720	3630	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
08/16/07	33.5	28.6	**0.00250**		0.775	0.727	0.894	0.956	472	488	**0.155**	**0.155**	4080	**0.0031**		3360	3440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.90	
09/16/07	24.5	21.5	**0.000169**		0.657	0.630	0.744	0.705	515	529	**0.155**	**0.155**	4880	**0.0031**	**0.0031**	3280	3270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.25	1.86
10/14/07	9.95	7.46	**0.000990**		0.606	0.566	0.829	0.891	507	487	**0.445**	**0.412**	7190	**0.0031**	**0.0031**	3290	3020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.36	1.75
11/10/07	11.3	10.2	**0.00250**		0.595	0.589	0.846	0.840	536	574	**0.390**	**0.155**	7720	**0.0031**	**0.0031**	3460	3480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.62
12/10/07	35.7	31.9	**0.000736**		0.574	0.563	0.899	0.897	529	555	**0.346**	**0.366**	7610	**0.0031**	**0.0031**	3580	3510	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	13.8	2.14
01/23/08	40.8	39.7	**0.00075**		0.710	0.671	1.07	1.13	625	631	**0.516**	**0.489**	8680	**0.0031**	**0.0031**	3870	3850	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.39	1.90
02/23/08	43.2	41.6	**0.00075**		0.689	0.698	1.07		675	729	**0.467**	**0.511**	9660	**0.0031**	**0.0031**	3870	4010	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.67	
03/14/08	53.2	49.6	**0.00075**		0.669	0.677	0.997	1.07	542	557	**0.431**	**0.480**	7590	**0.0031**	**0.0031**	3390	3420	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.08	
04/20/08	68.5	62.5	**0.00075**		0.760	0.689	0.962	1.09	692	682	**0.473**	**0.470**	9160	**0.0031**	**0.0031**	4120	4020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.18	1.81
05/29/08	27.8	25.4	**0.00186**		0.313	0.300	0.570		441	445	**0.155**	**0.155**	3570	**0.0031**	**0.0031**	1720	1770	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.311**	**0.155**	1.09	1.81
Mean	36.0	32.4	0.0014	NA	0.747	0.741	0.871	0.934	585	588	0.305	0.311	6020	0.0041	0.0034	3310	3310	0.0068	0.0059	0.071	0.070	0.282	0.213	2.55	2.62
Median	27.8	25.4	0.0011	NA	0.669	0.671	0.894	0.935	551	557	0.304	0.155	5160	0.0031	0.0031	3460	3480	0.0050	0.0050	0.050	0.050	0.155	0.155	1.50	1.86
St. Deviation	26.7	24.7	0.0009	NA	0.396	0.417	0.191	0.228	117	120	0.158	0.198	2330	0.0042	0.0016	850.0	850.0	0.0047	0.0035	0.082	0.100	0.304	0.177	3.42	3.59
# of values	39	39	39	0	39	37	39	28	39	39	39	39	39	39	38	39	39	39	39	39	38	39	38	39	28
Minimum	8.94	5.44	0.000147	NA	0.313	0.300	0.535	0.495	365	355	0.155	0.0775	1600	0.001435	0.001435	976	1110	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.500	0.500
Maximum	110	98.7	0.0031	NA	2.21	2.24	1.30	1.48	887	867	0.720	0.819	10900	0.0284	0.0124	4990	4600	0.0214	0.0125	0.492	0.618	1.74	0.93	18.5	20.1
% of values undetected	0%	0%	62%		3%	0%	0%	0%	0%	0%	38%	49%	0%	92%	97%	0%	0%	90%	97%	97%	97%	67%	79%	21%	18%
# of values between MDL and PQL	0	0	8		6	7	0	0	0	0	22	17	0	2	1	0	0	2	0	1	1	6	6	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	10.22	10.19	NA	NA	5	4.6	NA	0.1477578	0.126	NA	NA	NA	NA	NA	NA	NA	NA	23.43	23.10
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	23%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK116A																											
Sample Date																											
09/17/08	6.26	4.98	9.14	71.6	0.039	120.8	1.1	15.5	39.3	25.0	**0.0755**	**1.57**	**9.28**	**0.044**			**0.00155**		0.586	**0.0155**	8.02	**0.00075**	**0.00075**	**0.155**		**0.298**	**0.050**
10/17/08	6.60	1.41	11.16	79.4	0.037	274.1	0.25	14.3	39.9	16.3	**0.0845**	**1.57**	**8.52**	**0.0535**			**0.00155**		0.616	**0.0155**	7.42	**0.00075**	**0.00075**	**0.155**		**0.075**	**0.0155**
11/19/08	5.50	0.68	10.13	70.6	0.034	466.5	0.36	12.5	36.8	25.0	**0.150**	**1.57**	**7.64**	**0.050**			**0.0050**		0.647	**0.0155**	6.41	**0.00075**	**0.00075**	**0.155**		**0.075**	**0.050**
12/07/08	6.22	0.97	10.81	76.0	0.035	264.8	0.10	13.1	36.6	11.3	**0.158**	**1.57**	**7.36**	**0.050**			0.0110		0.693	**0.0155**	6.05	**0.00075**	**0.00075**	**0.155**		0.725	**0.050**
Mean	6.10	2.00	10.31	74.4	0.036	281.6	0.5	13.9	38.2	19.0	0.12	1.57	8.20	0.050	NA	NA	0.0048	NA	0.636	0.0155	6.98	0.00075	0.00075	0.155	NA	0.293	0.041
Median	6.20	1.20	10.47	73.8	0.036	269.5	0.3	13.7	38.1	21.0	0.12	1.57	8.08	0.050	NA	NA	0.0033	NA	0.632	0.0155	6.92	0.00075	0.00075	0.155	NA	0.187	0.050
St. Deviation	0.50	2.00	0.890	4.10	0.002	141.9	0.4	1.3	1.7	7.00	0.04	0.00	0.87	0.000	NA	NA	0.0045	NA	0.046	0	0.91	0	0	0	NA	0.306	0.017
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4	4	4	4	0	4	4
Minimum	5.5	0.68	9.14	70.6	0.034	120.8	0.10	12.5	36.6	11.3	0.0755	1.57	7.36	0.044	NA	NA	0.00155	NA	0.586	0.0155	6.05	0.00075	0.00075	0.155	NA	0.075	0.0155
Maximum	6.6	4.98	11.16	79.4	0.039	466.5	1.1	15.5	39.9	25.0	0.158	1.57	9.28	0.0535	NA	NA	0.0110	NA	0.693	0.0155	8.02	0.00075	0.00075	0.155	NA	0.725	0.050
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	50%			75%		0%	100%	0%	100%	100%	100%		50%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	4	2			0		0	0	0	0	0	0		1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.03
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	0%	0%
SK117A																											
Sample Date																											
09/17/08	7.17	5.11	9.46	74.3	0.031	97.0	0.46	10.5	33.3	20.0	3.14	**1.57**	**8.16**	0.163			**0.0083**		0.552	**0.0155**	5.09	**0.00075**	**0.00075**	**0.155**		0.601	**0.050**
10/17/08	7.17	1.35	11.2	80.5	0.032	240.3	0.16	11.7	34.2	11.3	2.47	**1.57**	**7.42**	0.244			**0.00155**		0.638	**0.0155**	5.07	**0.00075**	**0.00075**	**0.155**		**0.393**	**0.0155**
11/19/08	7.29	0.05	11.26	77.1	0.032	210.9	0.59	12.2	36.8	26.3	**0.1565**	**1.57**	**7.66**	0.333			**0.0050**		0.644	**0.0155**	5.46	**0.00075**	**0.00075**	**0.155**		0.628	0.103
12/07/08	6.44	0.70	11.23	78.4	0.036	166.7	0.26	11.9	35.2	22.5	**0.150**	**1.57**	**6.98**	0.336			**0.00155**		0.727	**0.099**	5.07	**0.00075**	**0.00075**	**0.155**		**0.324**	**0.050**
Mean	7.02	1.80	10.8	77.6	0.033	178.7	0.4	11.6	34.9	20.0	1.48	1.57	7.56	0.269	NA	NA	0.0041	NA	0.640	0.0364	5.17	0.00075	0.00075	0.155	NA	0.487	0.055
Median	7.17	1.00	11.2	77.8	0.032	188.8	0.4	11.8	34.7	21.3	1.31	1.57	7.54	0.289	NA	NA	0.0033	NA	0.641	0.0155	5.08	0.00075	0.00075	0.155	NA	0.497	0.050
St. Deviation	0.39	2.30	0.900	2.60	0.002	62.3	0.2	0.7	1.50	6.40	1.56	0	0.49	0.083	NA	NA	0.0032	NA	0.071	0.0418	0.19	0	0	0	NA	0.151	0.036
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4	4	4	4	0	4	4
Minimum	6.44	0.05	9.46	74.3	0.031	97.0	0.16	10.5	33.3	11.3	0.150	1.57	6.98	0.163	NA	NA	0.00155	NA	0.552	0.0155	5.07	0.00075	0.00075	0.155	NA	0.324	0.0155
Maximum	7.29	5.11	11.26	80.5	0.036	240.3	0.59	12.2	36.8	26.3	3.14	1.57	8.16	0.336	NA	NA	0.0083	NA	0.727	0.099	5.46	0.00075	0.00075	0.155	NA	0.628	0.103
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%	0%	0%			75%		0%	75%	0%	100%	100%	100%		0%	75%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	4	0			1		0	1	0	0	0	0		2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.62
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK116A																														
Sample Date																														
09/17/08	6.41	3.40	**0.0075**	**0.0207**	**0.155**	**0.155**	3.27	3.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5520	5560	0.256	0.248	**0.0050**	**0.0181**	**0.0250**		**12.3**	**12.5**	**0.0155**	**0.0155**	424	452
10/17/08	3.81	2.55	**0.0204**	**0.0257**	**0.155**	**0.362**	3.16	3.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5080	5410	**0.175**	**0.186**	**0.0100**	**0.0106**	0.174	0.201	**14.7**	**13.4**	**0.0155**	**0.0155**	389	438
11/19/08	3.70	4.31	**0.0075**	**0.0075**	**0.155**	**0.155**	2.87	3.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4420	4580	0.205	0.217	**0.0050**	**0.00500**	0.111		**13.5**	**8.92**	**0.0155**	**0.0155**	349	401
12/07/08	7.28	2.13	**0.0179**	**0.0075**	**0.155**	**0.155**	3.17	3.07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4640	4470	**0.0500**	**0.193**	0.138	0.0253	0.125	0.206	**9.95**	**9.91**	**0.0155**	**0.0155**	371	374
Mean	5.30	3.10	0.0133	0.0154	0.155	0.207	3.12	3.24	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4920	5010	0.1720	0.211	0.040	0.0148	0.109	0.204	12.6	11.2	0.0155	0.0155	383	416
Median	5.11	2.98	0.0127	0.0141	0.155	0.155	3.17	3.24	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4860	5000	0.1900	0.205	0.008	0.0144	0.118	0.204	12.9	11.2	0.0155	0.0155	380	420
St. Deviation	1.82	0.970	0.0068	0.0093	0	0.104	0.170	0.210	0	0	0	0	0	0	0	0	490.0	560.0	0.0880	0.0280	0.066	0.00880	0.0620	0.00400	2.00	2.10	0	0	32.0	35.0
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4
Minimum	3.70	2.13	0.0075	0.0075	0.155	0.155	2.87	3.04	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4420	4470	0.0500	0.186	0.0050	0.00500	0.0250	0.201	9.95	8.92	0.0155	0.0155	349	374
Maximum	7.28	4.31	0.0204	0.0257	0.155	0.362	3.27	3.44	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5520	5560	0.256	0.248	0.138	0.0253	0.174	0.206	14.7	13.4	0.0155	0.0155	424	452
% of values undetected	0%	0%	50%	50%	100%	75%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	25%	0%	50%	25%	25%	0%	0%	0%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0	0	4	4	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.058	0.058	NA	NA	10.98	10.56276	NA	NA	1.588	1.524	1000	1000	0.227	0.249	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SK117A																														
Sample Date																														
09/17/08	68.8	10.3	**0.0205**	**0.0272**	**0.369**	**0.384**	3.89	4.31	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3740	4370	**0.0500**	**0.100**	0.0289	**0.0160**	1.57	1.32	48.4	**13.1**	**0.0155**	**0.0155**	278	
10/17/08	79.5	11.3	**0.0207**	**0.0263**	**0.476**	**0.335**	3.97	4.05	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4160	4540	0.252	0.231	0.0340	**0.0180**	1.51	1.19	64.0	**14.6**	**0.0155**	**0.0155**	328	373
11/19/08	19.0	8.92	**0.0075**	**0.0075**	**0.155**	**0.155**	3.64	3.72	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4300	4270	**0.100**	**0.100**	**0.0157**	**0.0135**	1.08	0.810	**19.9**	**9.40**	**0.0155**	**0.0401**	354	396
12/07/08	27.7	11.8	**0.0075**	**0.0075**	**0.155**	**0.155**	3.59	3.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4190	4080	**0.0500**	**0.0500**	**0.0194**	**0.0153**	1.17	1.06	20.8	**7.89**	**0.0155**	**0.0155**	354	379
Mean	48.8	10.6	0.0141	0.0171	0.289	0.257	3.77	3.89	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4100	4320	0.110	0.120	0.0245	0.0160	1.33	1.10	38.3	11.2	0.0155	0.0217	329	383
Median	48.3	10.8	0.0140	0.0169	0.262	0.245	3.77	3.89	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4180	4320	0.080	0.100	0.0242	0.0160	1.34	1.13	34.6	11.3	0.0155	0.0155	341	379
St. Deviation	29.9	1.30	0.0076	0.0111	0.161	0.120	0.190	0.370	0	0	0	0	0	0	0	0	250.0	190.0	0.100	0.080	0.0084	0.00200	0.240	0.220	21.7	3.10	0	0.0123	36.0	12.0
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
Minimum	19.0	8.92	0.0075	0.0075	0.155	0.155	3.59	3.46	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3740	4080	0.0500	0.0500	0.0157	0.0135	1.08	0.810	19.9	7.89	0.0155	0.0155	278	373
Maximum	79.5	11.8	0.0207	0.0272	0.476	0.384	3.97	4.31	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4300	4540	0.252	0.231	0.0340	0.0180	1.57	1.32	64.0	14.6	0.0155	0.0401	354	396
% of values undetected	0%	0%	50%	50%	50%	50%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	75%	75%	0%	0%	0%	0%	0%	0%	100%	75%	0%	0%
# of values between MDL and PQL	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	1	4	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.052	0.052	NA	NA	10.98	10.56276	NA	NA	1.380	1.324	1000	1000	0.185	0.206	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK116A																									
Sample Date																									
09/17/08	0.167	0.106	**0.00075**		0.272	0.269	**0.100**	**0.100**	106	120	**0.155**	**0.155**	2300	**0.0031**	**0.0031**	1340	1370	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
10/17/08	0.141	0.135	**0.00075**		0.315	0.321	**0.100**	0.216	113	127	**0.155**	**0.155**	2400	**0.0031**	**0.0031**	1230	1330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.09
11/19/08	0.149	0.144	**0.00374**		0.273	0.282	**0.100**	0.289	113	129	**0.155**	**0.155**	2720	**0.0031**	**0.0031**	1250	1350	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.72
12/07/08	0.331		**0.00431**		0.328	0.311	**0.135**		124	142	**0.155**	**0.155**	2500	**0.0031**	**0.0031**	1310	1270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
Mean	0.197	0.128	0.00239	NA	0.297	0.296	0.110	0.202	114	130	0.155	0.155	2500	0.0031	0.0031	1280	1330	0.0050	0.0050	0.050	0.050	0.155	0.155	0.500	1.41
Median	0.158	0.135	0.00225	NA	0.294	0.297	0.100	0.216	113	128	0.155	0.155	2500	0.0031	0.0031	1280	1340	0.0050	0.0050	0.050	0.050	0.155	0.155	0.500	1.41
St. Deviation	0.0900	0.020	0.00191	NA	0.0290	0.0240	0.0200	0.0950	7.00	9.00	0	0	200.0	0	0	50.00	40.00	0	0	0	0	0	0	0	0.450
# of values	4	3	4	0	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2
Minimum	0.141	0.106	0.00075	NA	0.272	0.269	0.100	0.100	106	120	0.155	0.155	2300	0.0031	0.0031	1230	1270	0.0050	0.0050	0.050	0.050	0.155	0.155	0.500	1.09
Maximum	0.331	0.144	0.00431	NA	0.328	0.321	0.135	0.289	124	142	0.155	0.155	2720	0.0031	0.0031	1340	1370	0.0050	0.0050	0.050	0.050	0.155	0.155	0.500	1.72
% of values undetected	0%	0%	50%		0%	0%	75%	33%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	0%
# of values between MDL and PQL	0	0	2		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	9.04	9.01	NA	NA	5	4.6	NA	0.1149329	0.098	NA	NA	NA	NA	NA	NA	NA	NA	20.70	20.41
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SK117A																									
Sample Date																									
09/17/08	1.21	0.369	**0.00075**		0.572	0.680	**0.100**	**0.100**	114	142	**0.155**	**0.155**	2800	**0.0031**	**0.0031**	1140	1290	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
10/17/08	1.49	0.508	**0.00075**		0.615	0.623	**0.100**	0.210	127	144	**0.155**	**0.155**	3110	**0.0031**	**0.0031**	1280	1420	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.42
11/19/08	0.450	0.339	0.00591		0.537	0.516	**0.100**	**0.100**	120	131	**0.155**	**0.155**	3370	**0.0031**	**0.0031**	1420	1440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.19	1.82
12/07/08	0.900	0.616	**0.00365**		0.557	0.526	**0.147**	**0.176**	146	154	**0.155**	**0.155**	3290	**0.0031**	**0.0031**	1400	1380	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.70
Mean	1.01	0.458	0.00277	NA	0.570	0.586	0.110	0.100	127	143	0.155	0.155	3140	0.0031	0.0031	1310	1380	0.0050	0.0050	0.050	0.050	0.155	0.155	0.670	1.65
Median	1.06	0.439	0.00220	NA	0.565	0.575	0.100	0.100	124	143	0.155	0.155	3200	0.0031	0.0031	1340	1400	0.0050	0.0050	0.050	0.050	0.155	0.155	0.500	1.70
St. Deviation	0.450	0.129	0.00250	NA	0.0330	0.0790	0.0200	0.100	14.0	9.00	0	0	250.0	0	0	130.0	70.00	0	0	0	0	0	0	0.350	0.210
# of values	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
Minimum	0.45	0.339	0.00075	NA	0.537	0.516	0.100	0.100	114	131	0.155	0.155	2800	0.0031	0.0031	1140	1290	0.0050	0.0050	0.050	0.050	0.155	0.155	0.500	1.42
Maximum	1.49	0.616	0.00591	NA	0.615	0.680	0.147	0.210	146	154	0.155	0.155	3370	0.0031	0.0031	1420	1440	0.0050	0.0050	0.050	0.050	0.155	0.155	1.19	1.82
% of values undetected	0%	0%	50%		0%	0%	75%	50%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	75%	0%
# of values between MDL and PQL	0	0	1		0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	7.86	7.84	NA	NA	5	4.6	NA	0.0866049	0.074	NA	NA	NA	NA	NA	NA	NA	NA	18.01	17.75
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK119A																											
Sample Date																											
04/28/04	7.05	1.73	13.44		0.037			16.4	48.0	38.8	**0.410**	**1.57**	17.5	0.215			**0.0155**		1.07	**0.0340**	2.80	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/19/04	6.88	1.71				29.0	14.7	8.4	26.0	45.0	0.67	**1.57**	10.5	**0.0890**			**0.0155**		0.688	**0.050**	2.09	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/22/04	6.93	4.94	11.71		0.029	164.0																					
06/16/04	6.67	5.30	11.0		0.040	-19.0	0.70	12.6	40.0	38.8	0.80	**1.57**	13.5				**0.0155**		0.721	**0.0590**	2.97	**0.0030**	**0.00125**	**0.065**			**0.0155**
07/13/04	7.03	16.12		96.9	0.049	309.0	0.30	15.5	43.0	36.3	0.80	**1.57**	20.0	**0.155**			**0.0326**		0.564	**0.057**	3.76	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/15/04													17.5														
08/23/04	7.53	12.70	12.75	122.1	0.054	172.0	0.50	15.7	47.0	31.3	0.60	**1.57**	18.0	**0.155**			**0.0155**		0.619	**0.034**	3.69	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/13/04	7.35	4.84		124.9	0.055	202.0	1.6	16.3	49.0	50.0	**0.40**	**1.57**	20.5	**0.155**			**0.0155**		0.687	**0.042**	3.80	**0.00125**	**0.0036**	**0.260**			**0.0155**
10/18/04	6.69	3.40	14.22		0.034			11.2	38.0	20.0	**0.20**	**1.57**	12.0	**0.49**			**0.0155**		0.926	**0.0155**	3.27	**0.0030**	**0.00125**	**0.210**			**0.0155**
01/29/05	6.55	-0.20	13.32		0.050	91.0	7.8	16.3	46.0	36.2	**0.1135**	**0.785**	20.0	0.170			0.0492		0.671	**0.0155**	3.12	**0.00125**	**0.00125**	**0.210**			**0.0155**
03/20/05	7.92	0.10	14.32	98.2				20.9	47.0	22.5	0.61	**3.00**	21.0	0.110			0.0357		0.762	**0.0155**	3.38	**0.00125**	**0.00125**	**0.160**			**0.0155**
05/03/05	5.89	1.95	13.64	98.5	0.033	225.4	0.45	11.5	33.0	27.5	0.80	**2.00**	12.0	0.530			0.0247		0.754	**0.0155**	2.70	**0.00125**	**0.00125**	**0.690**			**0.0155**
06/05/05	7.38	11.15	11.03		0.047	143.0	4.9	15.7	41.0	35.0	1.90	**2.13**	12.0	0.180			0.0185		0.628	**0.0155**	6.15	**0.00125**	**0.00125**	**0.320**			**0.0381**
07/09/05	7.19	11.20	9.67	88.1	0.041	-136.2	0.39	16.4	39.0	42.5	0.80	**1.75**	16.0	**0.0445**			0.0315		0.476	**0.0155**	3.12	**0.00125**	**0.00125**	**0.140**			**0.0155**
08/18/05	7.17	9.31	10.61	92.5	0.046	-208.4		17.3	44.5	36.3	0.70	**0.785**	18.0	0.120			**0.0160**		0.625	**0.0155**	3.02	**0.0025**	**0.0025**	**0.260**			**0.0155**
09/14/05	6.18	7.27	11.83	98.2	0.033	150.6	0.41	12.3	39.0	33.8	0.70	5.63	**5.50**	1.610			**0.0130**		0.677	**0.0155**	5.81	**0.00125**	**0.0048**	**0.300**			**0.0155**
10/30/05	7.13	0.29	13.97	96.3	0.041	113.3	0.17	14.9	40.0	36.3	**0.20**	**2.00**	15.0	0.230			**0.0170**		0.735	**0.0155**	3.50	**0.00125**	**0.00125**	**0.170**			**0.050**
02/07/06	7.41	0.01	11.14	76.3	0.049	-221.3	0.53	18.2	60.0	62.5	**0.075**	**2.00**	22.0	0.131			0.0230		0.671	**0.0155**	3.32	**0.00125**	**0.00125**	**0.0295**			**0.050**
03/15/06	6.81	0.10	11.58	79.6	0.029	73.0	0.50	22.8	60.0	31.3	**0.077**	**3.00**	26.0	0.213			0.0156		0.679	**0.0155**	3.41	**0.00125**	**0.00125**	**0.155**			**0.050**
05/21/06	5.41	0.56	11.16	77.7	0.024	209.0		9.0	23.0	23.7	16.3	**4.75**	**7.00**	0.502	**0.0155**	0.502	0.0430	**0.0155**	1.02	**0.0155**	1.54	**0.00125**	**0.00125**	**0.155**			**0.050**
06/19/06	6.57	4.64	8.30	64.3	0.033	95.2	0.16	12.7	31.0	33.8	**0.150**	**2.25**	13.0	0.119	**0.0155**	**0.0895**	0.0376	**0.0155**	0.652	**0.0390**	2.30	**0.00105**	**0.00075**	**0.155**			**0.0155**
07/23/06	7.01	7.13	7.15	59.1	0.043	165.1	0.16	18.8	42.0	33.8	0.70	**2.25**	17.0	**0.0325**	**0.0155**	**0.0155**	0.0150	**0.05**	0.531	**0.0400**	3.24	**0.00105**	**0.0025**	**0.155**			**0.0420**
08/16/06	7.32	7.94	8.42	71.1	0.028	158.7	0.34	11.4	29.0	42.5	**0.769**	**1.57**	**8.00**	**0.0590**	**0.0500**	**0.0155**	**0.0090**	**0.05**	0.438	**0.0310**	2.47	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/01/06	7.56	0.02	7.92	54.3	0.040	227.2	0.15	14.3	37.0	23.8	**0.208**	**3.25**	13.0	0.146	**0.0155**	0.138	0.0230		0.667	**0.0155**	2.75	**0.00075**	**0.00075**	**0.155**			**0.050**
12/11/06	6.81	0.44	12.52	86.6	0.044		0.07	17.1	44.0	57.5	**0.606**	**1.57**	22.0	**0.0870**	**0.0155**	**0.0870**	0.0320	**0.05**	0.626	**0.0155**	3.29	**0.00075**	**0.00075**	**0.155**			**0.050**
01/17/07	6.37	0.19	11.29	77.7	0.040	213.5	0.11	19.2	45.0	38.8	**0.652**	**1.57**	20.0	0.324	**0.0155**	0.316	0.0170	**0.05**	0.643	**0.0155**	3.40	**0.00075**	**0.00075**	**0.155**			**0.050**
02/18/07	6.47	0.92	9.66	67.8	0.039	224.0	0.11	18.7	46.0	28.8	**0.1765**	**1.57**	20.0	0.106	**0.0155**	0.106	0.0136	**0.05**	0.679	**0.0155**	2.92	**0.00075**	**0.00075**	**0.155**			**0.0155**
04/21/07	6.49	0.34	11.2	81.7	0.046	210.1	0.61	18.8	44.5	43.8	**0.1545**	**1.57**	21.0	0.185	**0.0155**	0.168	0.0190	**0.05**	0.854	**0.0370**	2.59	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/12/07	7.23	0.48	12.85	89.2	0.023	225.1	0.27	9.4	25.0	**3.75**	0.50	**1.57**	**8.64**	0.170			0.0151		0.688	**0.0310**	1.40	**0.00075**	**0.0025**	**0.155**			**0.0155**
06/17/07	6.34	7.30	10.34	85.9	0.032	197.3	0.18	12.2	33.0	28.8	1.01	**1.57**	12.0	**0.0840**			0.0174		0.596	**0.0580**	2.49	**0.00075**	**0.00075**	**0.155**		1.18	**0.0155**
07/13/07	7.06	7.06	8.10	66.9	0.038	62.6	0.53	15.7	38.0	32.5	0.50	**1.57**	15.2	**0.0155**			0.0144		0.493	**0.0400**	2.29	**0.00075**	**0.00075**	**0.155**		1.22	**0.0155**
08/15/07	6.89	9.83	8.93	78.9	0.041	89.6	0.25	15.2	40.0	35.0	0.93	**1.57**	16.2	**0.0155**			0.0132		0.441	**0.0155**	2.59	**0.00075**	**0.00075**	**0.155**		1.23	**0.0715**
09/16/07	7.44	6.20	9.28	75.3	0.033	181.7	0.24	13.7	34.5	43.8	0.70	**1.57**	12.5	**0.0690**			0.0207		0.532	**0.0155**	2.75	**0.00075**	**0.00075**	**0.155**		1.05	**0.050**
10/14/07	7.24	1.09	12.02	84.8	0.036	122.9	0.44	14.0	36.5	30.0	**0.426**	**1.57**	13.1	0.126			0.0216		0.616	**0.0155**	2.82	**0.00075**	**0.00075**	**0.155**		0.665	**0.0155**
11/10/07	7.42	0.57	10.6	73.8	0.036	125.7	0.26	13.8	38.0	27.5	**0.667**	**1.57**	14.0	0.196			0.0274		0.709	**0.0155**	2.32	**0.00075**	**0.00075**	**0.155**		1.13	**0.0155**
12/09/07	7.41	1.06	10.49	74.0	0.040	207.0	0.19	15.3	41.1	30.0	**0.60**	**1.57**	15.6	0.199			0.0190		0.614	**0.0155**	2.48	**0.00075**	**0.0025**	**0.155**		**0.495**	**0.0155**
01/23/08	4.70	0.05	11.43	78.4	0.048	263.6	1.05	19.1	49.3	21.3	**0.808**	**1.57**	17.3	0.185			0.0260		0.650	**0.0155**	2.95	**0.00075**	**0.00075**	**0.155**		0.900	**0.0155**
02/19/08	6.26	0.49	8.13	56.3	0.050	278.1	0.10	18.0	51.7	36.3	**0.153**	**3.54**	21.9	0.115			0.0230		0.577	**0.0155**	2.78	**0.00075**	**0.0025**	**0.155**		0.522	**0.0155**
03/14/08	6.47	0.00	9.81	67.1	0.051	249.9	0.22	17.4	52.3	43.8	**0.659**	**5.88**	23.5	0.265			0.0397		0.588	**0.0155**	2.80	**0.0025**	**0.0025**	**0.155**		0.505	**0.0155**
03/27/08	7.72	0.16	12.5	85.9	0.057	218.1																					
04/19/08	7.37	0.50	12.22	84.7	0.053	199.4	0.29	20.2	60.1	45.0	**0.163**	**3.36**	23.7	0.217			0.0230		0.592	**0.0390**	2.86	**0.0025**	**0.00075**	**0.155**		**0.448**	**0.0155**
05/28/08		2.19	12.12	88.1	0.026	149.0	0.74	9.8	17.9	43.8	0.60	**1.57**	**9.78**	0.313			0.0210		0.599	**0.058**	1.62	**0.00075**	**0.00075**	**0.155**		2.08	0.116
06/14/08	7.23	5.71	8.95	71.5	0.020	159.1																					
Mean	6.89	3.70	11.02	82.1	0.04	140.0	1.2	15.3	41.0	35.2	0.96	2.13	16.0	0.214	0.0193	0.160	0.0221	0.0400	0.660	0.0262	2.99	0.00120	0.00140	0.170	NA	0.95	0.0278
Median	7.03	1.70	11.16	79.6	0.04	164.6	0.3	15.7	41.0	35.0	0.61	1.57	16.0	0.155	0.0155	0.106	0.0190	0.0500	0.650	0.0155	2.86	0.00125	0.00125	0.155	NA	0.98	0.0155
St. Deviation	0.62	4.20	1.90	15.7	0.009	119.7	2.8	3.4	10.0	10.6	2.55	1.15	5.00	0.263	0.0115	0.157	0.0093	0.0200	0.133	0.0150	0.90	0.00060	0.00090	0.104	NA	0.47	0.0218
# of values	41	42	39	35	40	38	34	39	39	39	39	39	40	38	9	9	39	8	39	39	39	39	39	39	0	12	39
Minimum	4.70	-0.20	7.15	54.3	0.02	-221.3	0.07	8.36	17.9	3.75	0.075	0.785	5.50	0.0155	0.0155	0.0155	0.0090	0.0155	0.438	0.0155	1.40	0.00075	0.00075	0.0295	NA	0.448	0.0155
Maximum	7.92	16.12	14.32	124.9	0.057	309	14.7	22.8	60.1	62.5	16.3	5.88	26.0	1.61	0.0500	0.502	0.0492	0.050	1.07	0.0590	6.15	0.0030	0.0048	0.690	NA	2.08	0.116
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	62%	0%	13%	100%	22%	15%	100%	0%	64%	0%	95%	95%	74%		0%	90%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	13	14	5	8	0	2	5	0	0	14	0	2	2	10		2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.98
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK119A																														
Sample Date																														
04/28/04	**12.5**	**3.90**	**0.0385**	0.246	**0.125**	**0.125**	2.65	2.80	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.00**	**5.00**	**0.0155**	**0.0155**	5290	5180	**0.101**	**0.111**	**0.0155**		2.03	1.30	**13.5**		0.217	0.215	780	786
05/19/04	47.4	33.4	**0.0385**	**0.100**	**0.125**	**0.125**	1.39		**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2620	2730	**0.0500**	**0.0500**	**0.0155**		0.419	0.569	54.7	34.5	**0.100**	**0.100**	440	422
05/22/04																														
06/16/04	**12.5**	**9.75**	**0.0385**	5.28	**0.125**	**0.3125**	1.45	2.47	**0.0075**	**0.01875**	**0.750**	**1.875**	**1.55**	**1.55**	**0.0155**	**0.03875**	4000	4210	**0.0500**	**0.125**	**0.0155**	2.52	0.290	**0.250**	41.5	**7.75**	**0.050**	**0.125**	626	627
07/13/04	**12.5**	**12.5**	6.09	0.511	**0.125**	**0.125**	2.83	2.73	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.90**	**1.55**	**0.0155**	**0.0155**	5010	5150	**0.100**	**0.100**	**0.0155**		0.357	0.251	**10.0**	**10.0**	**0.050**	**0.050**	725	754
08/15/04																														
08/23/04	**12.5**	**12.5**	**0.0385**	**0.100**	**0.288**	**0.125**	2.50	2.51	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5050	4990	0.234	0.324	**0.0155**	0.105	0.261	0.294	**10.0**	21.0	**0.050**	**0.050**	744	688
09/13/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	2.62	2.47	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5360	4620	**0.163**	**0.050**	**0.0155**		0.222	0.212	50.7	49.2	**0.050**	**0.050**	706	756
10/18/04	42.9	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	2.12	1.96	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3570	3560	**0.100**	**0.100**	**0.0155**		1.26	0.312	**16.4**	**7.48**	**0.050**	**0.050**	555	551
01/29/05	9.08	6.16	0.0126	0.010	**0.125**	**0.125**	2.31	2.20	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5170	4780	0.431	0.395	**0.00900**	**0.0040**	0.247	0.287	**10.0**	**3.10**	**0.0155**	**0.0155**	816	765
03/20/05	29.1	17.4	**0.0163**	**0.0106**	0.152	0.106	3.24	3.84	**0.001495**	**0.001495**	**0.0114**	**0.003835**	1.61	1.39	**0.003095**	**0.00755**	6580	4890	**0.03565**	**0.03565**	**0.02800**	**0.0155**	0.504	0.224	45.4	**6.85**	**0.035**	**0.011**	1080	850
05/03/05	48.6	24.6	**0.00978**	**0.00405**	0.0879	0.092	3.22	2.74	**0.0033**	**0.001495**	**0.003835**	**0.003835**	1.47	1.95	**0.00979**	**0.0100**	3650	4130	**0.03565**	**0.03565**	**0.0265**	**0.0224**	0.300	0.312	43.5	17.7	**0.035**		573	579
06/05/05	42.2	7.34	0.040	0.0462	**0.125**	**0.125**	2.68	2.70	**0.0075**	**0.0075**	**0.00155**	**0.0032**	**1.55**	**1.55**	**0.00775**	**0.00775**	4790	4730	**0.0310**		0.0888	0.0622	**1.71**	**1.38**	252	87.8	**0.050**		908	887
07/09/05	19.1	11.0	**0.00155**	**0.00155**	**0.125**	**0.125**	2.42	2.27	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	5210	5080	0.260	0.320	**0.0034**	**0.00155**	0.246	0.221	30.3	**10.0**	**0.0155**	**0.050**	817	797
08/18/05	13.0	7.59	**0.00155**		**0.125**	0.511	2.81	2.95	**0.0075**	**0.0075**	**0.0036**	**0.0032**	**1.55**	11.0	**0.00775**	**0.00775**	5570	5750	0.282	0.354	0.0348	0.0244	0.266	0.331	37.5	23.0	**0.0155**		827	872
09/14/05	38.2	26.8	0.0146	0.0246	**0.125**	**0.125**	2.35	2.37	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	3920	4010	0.614		0.0428	0.0402	0.339		39.3	24.8	**0.0155**		608	615
10/30/05	11.9	9.60	0.0196	**0.0098**	**0.125**	**0.125**	2.18	2.35	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	4810	5180	0.396	0.545	0.0210		0.642	0.776	**10.0**	**14.6**	**0.0155**		699	793
02/07/06	9.59	5.32	**0.045**	**0.0254**	**0.155**	**0.155**	2.62	2.72	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	5810	6120	0.383	0.580	0.0266	0.0328	0.351		24.5	**10.0**	0.176	0.122	898	950
03/15/06	6.62	6.02	**0.0075**	**0.025**	**0.155**	**0.155**	2.94	2.64	**0.012**	**0.0120**	**0.0075**	**0.0250**	**0.750**	**0.750**	**0.0125**	**0.0125**	7340	6270	0.338	0.527	0.027	0.032	0.144	0.239	**16.4**	**10.0**	0.151		1100	997
05/21/06	519	33.8	**0.0250**	**0.0250**	**0.155**	**0.155**	5.29	2.25	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**1.95**	**0.0266**	**0.0125**	2720	2580	0.524	0.272	0.195	0.0302	1.23	0.378	510	32.0	0.333	0.260	541	433
06/19/06	21.4	15.6	**0.0228**	**0.0075**	**0.155**	**0.155**	2.00	1.92	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	4070	3930	0.492		0.0312	0.0268	0.297	0.314	24.4	**9.47**	0.250		611	596
07/23/06	9.75	7.83	**0.0075**	**0.0178**	**0.155**	**0.155**	2.94	3.03	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6060	5910	0.576	0.634	0.0314	0.0310	0.214	0.310	27.5	24.4	**0.0155**		892	893
08/16/06	48.4	36.5	**0.0075**	**0.0075**	**0.155**	**0.155**	2.39	2.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3660	3660	0.335	0.421	0.0404	0.0398	0.459	0.509	46.3	33.8	0.266	0.137	555	550
11/01/06	15.3	11.0	**0.0075**	**0.0075**	**0.155**	**0.155**	2.11	2.46	**0.0125**	**0.0125**	**0.0182**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4550	4800	0.209	0.363	**0.0178**	**0.0160**	0.214		30.7	**10.0**	**0.0155**		707	793
12/11/06	37.5	5.89	**0.0375**	**0.0075**	**0.775**	**0.155**	12.7	3.37	**0.0625**	**0.0125**	**0.0375**	**0.0075**	**6.25**	**1.25**	**0.0925**	**0.0185**	27300	6090	**0.250**	**0.0500**	**0.0920**	0.0254	2.05	0.267	**69.3**	**3.10**	14.1	0.120	4200	968
01/17/07	5.34	4.72	**0.0250**	**0.0250**	**0.155**	**0.155**	2.50		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6210	6500	**0.0500**	**0.0500**	**0.0050**	**0.0050**	0.166		**3.10**	**3.10**	1.54	**0.0155**	906	1020
02/18/07	6.82	7.18	**0.0250**	**0.0250**	**0.155**	**0.155**	2.68		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5950	7090	0.248		**0.0172**	0.0214	0.215		**10.0**	**10.0**	6.08	0.716	940	1060
04/21/07	15.0	10.5	**0.0158**	**0.0276**	**0.155**	**0.155**	2.92	3.02	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6040	6040	0.263	0.317	**0.0100**		0.295		29.3	25.5	**0.0155**	**0.0420**	915	923
05/12/07	42.5	29.5	**0.0150**	**0.0204**	**0.155**	**0.155**	2.28	2.24	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2980	2930	0.336	0.312	**0.0100**		0.426		59.2	37.2	**0.0155**	**0.050**	476	472
06/17/07	19.0	13.4	**0.0250**	**0.0250**	**0.155**	**0.155**	2.04	2.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3950	4100	**0.100**	**0.0500**	**0.0162**	**0.0174**	0.323	0.335	23.0	**18.0**	**0.050**	**0.0155**	576	656
07/13/07	17.5	8.11	**0.0075**	**0.0250**	**0.155**	**0.155**	2.51	2.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5030	4530	**0.0500**	**0.144**	0.0252	0.0226	0.277	0.255	38.9	20.0	**0.0155**	**0.0155**	759	729
08/15/07	15.2	7.96	**0.0150**	**0.0224**	**0.155**	**0.155**	2.29	2.51	**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4970	4890	0.290	0.251	0.0218	0.0306	0.470	0.414	32.4	23.7	**0.050**	**0.0155**	691	702
09/16/07	34.4	18.9	**0.0075**	**0.0174**	**0.155**	**0.155**	2.44	2.79	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4530	4750	**0.100**	**0.100**	0.0220	0.0202	0.303		34.5	**15.7**	**0.0155**	**0.050**	591	642
10/14/07	19.3	12.4	**0.0075**	**0.0202**	**0.155**	**0.155**	2.21		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4530	5020	0.380	0.374	**0.0178**	**0.0192**	0.236	0.306	23.2	**16.9**	**0.0155**	**0.0155**	644	739
11/10/07	16.6	11.5	**0.0075**	**0.0180**	**0.155**	**0.155**	2.29		**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4450	4890	**0.0500**	**0.0500**	**0.0176**	**0.0136**	0.288		**10.0**	**3.10**	**0.0155**	**0.0155**	661	719
12/09/07	12.1	9.84	**0.0075**	**0.0075**	**0.155**	**0.155**	2.27		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4930	5710	**0.100**	0.250	**0.0100**	**0.0100**	0.199		**10.0**	**10.0**	**0.0155**		720	865
01/23/08	12.0	5.90	**0.0164**	**0.0198**	**0.155**	**0.155**	2.74		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0188**	**0.0075**	6180	6540	0.363	0.320	**0.0154**	**0.0160**	0.391		24.2	**18.7**	**0.050**	**0.050**	888	972
02/19/08	8.07	6.30	**0.0075**	**0.0075**	**0.155**	**0.155**	2.45	2.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5840	6000	**0.100**	0.280	**0.0100**	**0.0100**	0.182		23.5	22.0	**0.0155**	**0.050**	841	849
03/14/08	31.3	4.06	**0.0075**	**0.0252**	**0.155**	**0.155**	2.59		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5590	6090	**0.0500**	**0.0500**	0.0242	**0.0176**	0.186		54.6	23.2	**0.0155**	**0.0155**	831	910
03/27/08																														
04/19/08	6.13	4.92	**0.0075**	**0.0075**	**0.155**	**0.155**	3.94	3.06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6410	6600	0.344	0.390	**0.0140**	**0.0176**	0.194		27.8	26.0	**0.0155**	**0.050**	1010	1050
05/28/08	42.6	26.8	**0.0075**	**0.0335**	**0.155**	**0.155**	2.22	2.30	**0.0125**	**0.0125**	**0.0411**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3150	3240	0.203	**0.0500**	**0.0140**	0.0200	0.590	0.394	39.1	26.0	**0.050**	**0.0155**	470	493
06/14/08																														
Mean	34.2	13.1	0.174	0.1808	0.163	0.157	2.82	2.60	0.0115	0.0105	0.1427	0.1690	1.73	1.77	0.01311	0.01128	5460	4960	0.231	0.239	0.0276	0.1055	0.482	0.418	47.6	20.0	0.6166	0.086	829	762
Median	15.3	10.5	0.015	0.0235	0.155	0.155	2.50	2.51	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.00775	5010	4890	0.234	0.251	0.0176	0.0214	0.297	0.312	29.3	18.0	0.05000	0.050	725	765
St. Deviation	80.9	9.00	0.972	0.8541	0.104	0.066	1.74	0.400	0.0089	0.0034	0.2879	0.3899	1.34	1.74	0.01396	0.00606	3760	1120	0.166	0.178	0.0330	0.4485	0.487	0.305	85.4	16.0	2.4263	0.136	578	174
# of values	39	39	39	38	39	39	39	31	39	39	39	39	39	39	39	39	39	39	39	35	39	31	39	25	39	38	39	29	39	39
Minimum	5.34	3.90	0.00155	0.00155	0.0879	0.092	1.39	1.92	0.001495	0.001495	0.00155	0.00155	0.750	0.750	0.003095	0.0075	2620	2580	0.0310	0.03565	0.0034	0.00155	0.144	0.212	3.10	3.10	0.0155	0.011	440	422
Maximum	519	36.5	6.09	5.28	0.775	0.511	12.7	3.84	0.0625	0.01875	0.750	1.875	6.25	11.0	0.0925	0.03875	27300	7090	0.614	0.634	0.195	2.52	2.05	1.38	510	87.8	14.1	0.716	4200	1060
% of values undetected	13%	15%	67%	50%	92%	92%	0%	0%	97%	100%	90%	95%	92%	90%	92%	97%	0%	0%	41%	40%	31%	13%	0%	4%	21%	32%	77%	76%	0%	0%
# of values between MDL and PQL	0	0	8	13	1	0	0	0	1	0	4	2	1	1	3	1	0	0	2	2	13	10	0	0	4	8	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.047	0.047	NA	NA	10.98	10.56276	NA	NA	1.233	1.184	1000	1000	0.156	0.177	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	10%	8%	0%	0%	21%	10%	0%	0%
% of DWS exceedences	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK119A																											
Sample Date																											
04/28/04	1.47	1.59	0.0010		**0.426**	**0.389**	**0.160**	0.213	168	151	**0.155**	**0.155**	5590	**0.00310**	**0.00310**	2400	2290	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.393**	3.37	2.43
05/19/04	1.77		0.0021		**0.155**	**0.155**	**0.100**		125	140	**0.155**	**0.155**	3570	**0.00310**	**0.00310**	1430	1380	**0.0125**	**0.0125**	**0.155**	**0.155**	0.491	**0.125**	2.11	2.60
05/22/04																											
06/16/04	1.32	4.68	**0.0008**		**0.313**	**0.3875**	**0.100**	**0.250**	132	136	**0.155**	**0.3875**	4230	**0.00310**	**0.00775**	1880	2080	**0.0125**	**0.03125**	**0.155**	**1.20**	0.633	**0.810**	1.52	**1.875**
07/13/04	2.78		**0.0005**		**0.493**	**0.329**	0.201	0.377	193	196	**0.155**	**0.155**	5130	**0.0031**	**0.0031**	2240	2300	**0.0125**	**0.0125**	**0.496**	**0.155**	0.747	0.633	**0.750**	**0.750**
08/15/04																											
08/23/04	2.89	2.59	**0.0005**		**0.419**	**0.813**	**0.128**	**0.193**	165	163	**0.155**	**0.155**	5540	**0.0031**	**0.0031**	2250	2200	**0.0125**	**0.0125**	**0.155**	**0.155**	0.731	0.662	**0.750**	**0.750**
09/13/04	2.28	1.81	**0.0005**		**0.488**	**0.475**	**0.100**	0.257	155	155	**0.155**	**0.155**	5580	**0.0031**	**0.0031**	2190	2260	**0.0125**	**0.0125**	**0.155**	**0.155**	0.598	0.586	**0.750**	**0.750**
10/18/04	1.46	1.99	0.0011		**0.311**	**0.322**	**0.108**	0.299	129	129	**0.155**	**0.155**	4990	**0.0031**	**0.0031**	1800	1790	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.342**	0.454	**0.750**	1.54
01/29/05	0.878	0.63	**0.0005**		0.412	0.406	0.163	0.159	149	137	**0.0775**	**0.0775**	6000	**0.0031**	**0.0031**	2340	2230	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.998**	
03/20/05	2.23	0.92	**0.000147**		0.637	0.504	0.105		154	147	**0.0702**	**0.0479**	5470	**0.001435**	**0.001435**	2640	2040	0.122	**0.002125**	**0.0302**	**0.173**	0.621	0.497	**0.500**	1.48
05/03/05	2.67	1.64	**0.000587**		0.251	0.229	**0.0450**		158	165	**0.0459**	**0.0440**	4080	**0.005000**	**0.001435**	1560	1640	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.324	0.272	2.03	2.56
06/05/05	24.0	19.2	**0.000450**		0.455	0.496	0.304		285	299	**0.0775**	**0.0775**	2830	**0.0031**	**0.0031**	1810	1780	**0.0031**	**0.0031**	**0.031**	**0.031**	0.569	**0.200**	1.98	2.45
07/09/05	2.65	2.09	**0.0025**		0.330	0.298	0.155	0.217	157	152	**0.0775**	**0.0775**	4760	**0.0031**	**0.0031**	2440	2390	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.302**	0.419	19.7	22.3
08/18/05	3.38	2.55	**0.000450**		0.317		0.259		173	182	**0.0775**	**0.178**	5470	**0.0031**	**0.0031**	2390	2520	**0.0031**	**0.0031**	**0.031**	**0.0862**	0.515	0.472	**0.750**	1.85
09/14/05	2.12	1.53	**0.0025**		0.269	0.301	0.217		155	177	**0.0775**	**0.0775**	5190	**0.0031**	**0.0031**	1890	1960	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.279**	2.23	
10/30/05	1.39	1.18	**0.000450**		0.238		0.145		134	157	**0.0775**	**0.171**	6140	**0.0031**	**0.0031**	2010	2390	**0.0031**	**0.0031**	**0.031**	**0.031**	0.687	0.568	2.48	1.60
02/07/06	1.39	1.08	**0.000475**		0.463		0.313	0.415	158	185	**0.155**	**0.155**	6460	**0.0031**	**0.0031**	2510	2720	**0.005**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.46	
03/15/06	0.774	0.534	**0.000475**		0.465	0.475	**0.120**		158	159	**0.155**	**0.155**	6510	**0.0031**	**0.0031**	3060	2790	**0.0025**	0.0100	**0.0155**	**0.0155**	0.559	0.551	3.17	2.72
05/21/06	24.8	4.01	**0.00250**		0.143		0.238	0.376	327	302	**0.155**	**0.155**	2570	**0.0031**	**0.0031**	1340	1280	**0.0025**	**0.0068**	**0.0155**	**0.0155**	1.68	**0.249**	2.73	1.44
06/19/06	1.17	0.982	**0.00250**		0.322	0.231	**0.0310**	0.206	157	160	**0.155**	**0.155**	3570	**0.0031**	**0.0031**	1890	1890	0.0168	**0.0025**	**0.0406**	**0.0155**	0.768	0.826	1.54	
07/23/06	2.27	2.02	**0.000475**		0.431	0.415	**0.100**		164	177	**0.155**	**0.155**	5360	**0.0031**	**0.0031**	2530	2570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.36	
08/16/06	2.14	1.47	**0.00250**		0.263	0.271	**0.100**		125	131	**0.155**	**0.155**	4710	**0.0031**	**0.0031**	1750	1840	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.15	1.49
11/01/06	1.60	1.17	**0.000475**		0.340	0.354	**0.100**	0.205	132	153	**0.155**	**0.155**	5500	**0.0031**	**0.0031**	2130	2290	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.643**	**0.250**	1.21	
12/11/06	5.84	1.05	**0.000475**		2.09	0.446	**0.894**	0.244	741	193	**0.775**	**0.155**	3450	**0.0155**	**0.0031**	11900	2590	**0.0250**	**0.0050**	**0.250**	**0.050**	**3.72**	1.06	11.3	4.59
01/17/07	1.19	0.889	**0.000422**		0.387	0.403	**0.100**	**0.100**	207	249	**0.155**	**0.155**	5650	**0.0031**	**0.0031**	2530	2560	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.63	
02/18/07	0.982	1.08	**0.000169**		0.487	0.538	**0.100**	0.256	150		**0.155**	**0.155**	6510	**0.0031**	**0.0031**	2600	2870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.36	
04/21/07	1.52		**0.000650**		0.466	0.470	0.201		224	233	**0.155**	**0.155**	5750	**0.0031**	**0.0031**	2540	2540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.382**	**0.411**	1.06	
05/12/07	2.23	2.31	**0.000678**		0.234	0.229	**0.100**		285	283	**0.155**	**0.155**	3000	**0.0092**	**0.0090**	1370	1370	**0.0136**	**0.0120**	**0.050**	**0.050**	**0.155**	**0.155**	2.89	
06/17/07	1.45	1.15	**0.000169**		0.356	0.359	**0.100**	0.232	146	175	**0.155**	**0.155**	4280	**0.0031**	**0.0031**	1810	1890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.409**	**0.355**	1.12	1.19
07/13/07	2.07	1.39	**0.000169**		0.386	0.358	**0.100**	0.220	146	156	**0.155**	**0.155**	4540	**0.0031**	**0.0031**	2320	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.480**	**0.155**	1.34	**0.500**
08/15/07	2.69	1.44	**0.000169**		0.396	0.400	**0.100**	0.308	150	156	**0.155**	**0.155**	4550	**0.0031**	**0.0031**	2170	2110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.483**	**0.415**	3.36	2.34
09/16/07	2.19	1.11	**0.00250**		0.325	0.329	**0.100**	0.257	144	167	**0.155**	**0.155**	5160	**0.0031**	**0.0031**	1960	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.320**	**0.155**	1.96	2.20
10/14/07	1.65	0.937	**0.000489**		0.332	0.363	**0.100**		123	155	**0.155**	**0.155**	5650	**0.0031**	**0.0031**	1880	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.69
11/10/07	1.20	0.652	**0.000169**		0.335	0.333	**0.100**	0.228	122	169	**0.155**	**0.155**	5210	**0.0031**	**0.0084**	1980	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.390**	**0.500**	1.32
12/09/07	1.18	0.885	**0.000765**		0.355		**0.100**	0.275	135	173	**0.155**	**0.155**	6240	**0.0031**	**0.0031**	2140	2490	**0.0050**	**0.0118**	**0.050**	**0.050**	**0.440**	**0.479**	1.04	
01/23/08	1.57	1.12	**0.00075**		0.458	0.465	**0.100**	0.256	176	217	**0.155**	**0.155**	6280	**0.0031**	**0.0031**	2550	2610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.451**	**0.392**	1.62	1.85
02/19/08	1.06	0.923	**0.00075**		0.434	0.465	**0.100**		154	158	**0.155**	**0.155**	6010	**0.0031**	**0.0114**	2450	2450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.488**	**0.523**	1.18	1.30
03/14/08	3.44	0.697	**0.00075**		0.439	0.469	**0.100**	0.323	136	178	**0.155**	**0.155**	5720	**0.0031**	**0.0031**	2310	2370	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.480**	**0.415**	**0.500**	
03/27/08																											
04/19/08	0.679	0.657	**0.00075**		0.403	0.413	0.211		171	191	**0.155**	**0.155**	6870	**0.0031**	**0.0031**	2750	2870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.355**	1.21	
05/28/08	1.72	1.20	**0.00075**		**0.0075**		**0.100**	0.230	187	169	**0.155**	**0.155**	3470	**0.0031**	**0.0031**	1480	1480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.18	2.21
06/14/08																											
Mean	3.08	1.98	0.00087	NA	0.406	0.391	0.150	0.254	181	178	0.154	0.148	5070	0.0036	0.0036	2390	2180	0.0099	0.0069	0.076	0.093	0.510	0.380	2.31	2.61
Median	1.72	1.18	0.00050	NA	0.386	0.389	0.100	0.247	155	166	0.155	0.155	5360	0.0031	0.0031	2190	2230	0.0050	0.0050	0.050	0.050	0.440	0.390	1.52	1.77
St. Deviation	5.11	3.08	0.00078	NA	0.299	0.119	0.140	0.0700	103	43.0	0.108	0.0520	1100	0.0022	0.0020	1610	410.0	0.0191	0.0053	0.087	0.188	0.602	0.221	3.35	4.10
# of values	39	36	39	0	39	33	39	24	39	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	26
Minimum	0.679	0.534	0.000147	NA	0.0075	0.155	0.0310	0.100	122	129	0.0459	0.0440	2570	0.001435	0.001435	1340	1280	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.500	0.500
Maximum	24.8	19.2	0.00250	NA	2.09	0.813	0.894	0.415	741	302	0.775	0.3875	6870	0.0155	0.0114	11900	2870	0.122	0.03125	0.496	1.20	3.72	1.06	19.7	22.3
% of values undetected	0%	0%	74%		5%	6%	56%	8%	0%	0%	95%	90%	0%	97%	92%	0%	0%	92%	90%	95%	92%	33%	36%	23%	19%
# of values between MDL and PQL	0	0	7		6	5	5	1	0	0	2	4	0	1	3	0	0	1	3	2	3	13	13	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	7.03	7.01	NA	NA	5	4.6	NA	0.0690612	0.059	NA	NA	NA	NA	NA	NA	NA	NA	16.11	15.88
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	4%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK124A																											
Sample Date																											
01/29/05	6.54	0.20	13.84		0.073	109.0	6.8	22.3	60.0	42.5	**0.150**	**0.785**	15.0	0.540			0.0404		0.746	**0.032**	9.71			**0.430**			**0.0155**
03/19/05	7.00	-0.16	14.55	103.0	0.067	-4.0	2.4	25.8	60.0	50.0	**0.215**	**4.00**	13.0	0.160			0.0164		0.790	**0.0155**	10.8	**0.00125**	**0.00125**	**0.260**			**0.033**
05/09/05	6.54	1.74	10.93	78.8	0.050	153.6	1.8	16.9	42.5	58.7	3.53	**3.38**	10.0	0.970			0.0450		0.696	**0.0155**	17.3	**0.00125**	**0.00125**	**0.540**			**0.041**
06/05/05	7.44	9.52	10.77	96.8	0.047	138.0	4.1	15.7	40.0	32.5	1.20	**0.785**	10.5	0.770			0.0235		0.610	**0.0155**	7.81	**0.00125**	**0.00125**	**0.160**			**0.050**
07/09/05	7.22	16.42	8.92	91.3	0.054	147.6	0.66	21.8	55.0	41.3	1.00	**0.785**	16.5	**0.0155**			0.0330		0.444	**0.0155**	6.62	**0.0025**	**0.0025**	**0.240**			**0.0155**
08/18/05	7.64	14.09	9.46	92.0	0.058	-226.1		23.2	60.0	50.0	0.70	**1.88**	18.0	0.382			**0.0140**		0.599	**0.0155**	7.31	**0.0025**	**0.0025**	**0.840**			**0.0155**
09/14/05	5.63	6.79	11.87	97.4	0.048	174.0	1.07	17.6	55.0	36.3	0.70	**2.25**	12.0	0.135			**0.0057**		0.686	**0.0155**	9.17	**0.00125**	**0.0025**	**0.210**			**0.0155**
10/29/05	6.09	0.26	14.28	98.5	0.055	154.4	0.78	21.5	60.0	40.0	**0.204**	**1.88**	13.5	0.135			**0.0110**		0.766	**0.033**	10.2	**0.00125**	**0.00125**	**0.460**			**0.050**
01/19/06	7.21	0.05	13.5	93.2	0.055	170.8	0.64	24.4	50.0	33.8	**0.0765**	**2.25**	15.5	0.195			**0.00165**		0.719	**0.084**	89.5	**0.00125**	**0.00125**	**0.160**			**0.0155**
02/07/06	6.55	0.04	11.09	76.0	0.063	58.6	0.58	24.9	75.0	87.5	**0.0775**	**4.00**	20.0	0.156			**0.0085**		0.738	**0.0155**	10.9	**0.00125**	**0.00125**	**0.0295**			**0.0155**
03/14/06	6.82	0.00	11.88	81.3	0.063	-70.3	2.68	27.9	40.0	15.0	**0.426**	5.75	20.0	0.189			**0.0047**		0.685	**0.0155**	11.1	**0.00125**	**0.00125**	**0.155**			**0.0155**
06/19/06	6.69	5.99	8.15	65.4	0.045	71.5	0.41	17.3	43.0	40.0	1.30	**2.25**	12.0	0.222	**0.0155**	0.193	0.0376	**0.0155**	0.667	**0.0155**	7.23	**0.00105**	**0.00075**	**0.155**			**0.0490**
07/23/06	6.83	10.66	6.00	54.0	0.049	133.6	0.56	21.1	50.0	33.8	0.60	**2.50**	13.0	**0.0450**	**0.0155**	**0.0410**	0.0110	**0.0155**	0.529	**0.0430**	8.78	**0.00105**	**0.0025**	**0.155**			**0.0550**
08/16/06	6.13	7.90	9.05	76.3	0.043	149.4	0.48	18.4	44.0	43.7	0.82	**1.57**	28.0	0.138	**0.0500**	**0.0995**	0.0100	**0.05**	0.452	**0.0350**	6.93	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/01/06	6.33	0.02	8.43	57.9	0.017	94.6	0.84	21.7	50.0	33.8	**0.412**	**4.75**	15.0	**0.0855**	**0.0155**	**0.0790**	0.0170	**0.05**	0.731	**0.0155**	8.81	**0.00075**	**0.00075**	**0.155**			**0.0155**
12/11/06	6.75	0.05	9.01	64.1	0.026	178.6	0.28	22.0	50.0	55.0	**0.150**	**1.57**	10.0	**0.0760**	**0.0155**	**0.0760**	0.0200	**0.0155**	0.677	**0.0155**	9.32	**0.00075**	**0.00075**	**0.155**			**0.050**
01/17/07	6.58	0.03	10.71	73.4	0.064	264.5	0.32	23.2	55.0	46.3	**0.375**	**1.57**	20.0	0.125	**0.0155**	0.117	**0.00155**	**0.0155**	0.637	**0.0155**	10.0	**0.00075**	**0.00075**	**0.155**			**0.050**
05/12/07	6.61	0.71	10.31	71.8	0.041	177.6	0.62	14.3	35.0	12.5	1.50	**1.57**	14.5	0.120			0.0141		0.699	**0.0360**	1.77	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/18/07	7.13	8.55	11.16	95.5	0.049	174.2	0.49	18.9	49.0	32.5	**0.150**	**1.57**	13.0	**0.0155**			**0.0050**		0.604	**0.0620**	8.08	**0.00075**	**0.00075**	**0.155**	0.993		**0.0155**
07/13/07	6.86	11.53	7.14	65.7	0.042	118.7	0.94	16.5	42.0	35.0	**0.309**	**1.57**	11.0	**0.050**			0.0109		0.534	**0.0390**	6.81	**0.00075**	**0.00075**	**0.155**	1.48		**0.0155**
08/16/07	7.87	9.91	9.32	82.6	0.050	88.0	0.53	18.9	50.0	37.5	**0.213**	**1.57**	14.0	**0.0325**			**0.0087**		0.436	**0.0155**	7.74	**0.00075**	**0.00075**	**0.155**	1.41		**0.0661**
09/16/07	6.88	7.20	9.08	75.3	0.051	172.3	0.93	21.4	50.0	51.3	0.60	**1.57**	12.8	0.120			0.0129		0.559	**0.0310**	8.90	**0.00075**	**0.00075**	**0.155**	0.798		**0.0155**
10/14/07	6.88	0.69	12.15	84.7	0.052	76.8	0.58	20.4	50.0	43.8	**0.337**	**1.57**	12.7	0.161			0.0106		0.645	**0.0155**	9.31	**0.00075**	**0.00075**	**0.155**	0.501		**0.0155**
11/10/07	6.87	0.49	11.25	78.0	0.044	106.6	0.84	21.2	50.0	**6.25**	**0.153**	**1.57**	12.8	0.220			0.0148		0.734	**0.0155**	8.80	**0.00075**	**0.00075**	**0.155**	1.03		**0.050**
12/09/07	7.35	0.12	10.9	74.6	0.046	201.3	1.43	18.4	47.0	25.0	**0.80**	**1.57**	10.6	0.248			**0.0082**		0.636	**0.033**	8.18	**0.0025**	**0.0025**	**0.155**	**0.422**		**0.0155**
05/29/08	7.18	1.61	10.54	75.5	0.040	143.1	3.66	16.2	40.4	42.5	29.9	**1.57**	**9.86**	0.334			0.1460		0.624	**0.0155**	6.05	**0.00075**	**0.00075**	**0.155**	2.26		**0.0367**
06/15/08	7.32	2.88	7.60	56.3	0.032	156.5																					
Mean	6.85	4.30	10.44	79.2	0.049	115.3	1.4	20.5	50.0	39.5	1.77	2.16	14.0	0.217	0.0213	0.101	0.0200	0.027	0.640	0.0260	11.81	0.00110	0.0012	0.223	NA	1.11	0.0294
Median	6.86	1.61	10.71	77.2	0.049	143.1	0.78	21.2	50.0	40.0	0.42	1.57	13.0	0.147	0.0155	0.089	0.0120	0.0155	0.656	0.0155	8.81	0.00105	0.0008	0.155	NA	1.01	0.0155
St. Deviation	0.49	5.10	2.15	13.8	0.012	94.6	1.5	3.4	9.00	15.8	5.78	1.23	4.00	0.227	0.0141	0.052	0.0280	0.0178	0.099	0.0170	16.06	0.00060	0.0007	0.167	NA	0.60	0.0174
# of values	27	27	27	26	27	27	25	26	26	26	26	26	26	26	6	6	26	6	26	26	26	25	25	26	0	8	26
Minimum	5.63	-0.16	6.00	54	0.017	-226.1	0.28	14.3	35	6.25	0.0765	0.785	9.86	0.0155	0.0155	0.0410	0.00155	0.0155	0.436	0.0155	1.77	0.00075	0.00075	0.0295	NA	0.422	0.0155
Maximum	7.87	16.42	14.55	103	0.073	264.5	6.8	27.9	75	87.5	29.9	5.75	28	0.970	0.0500	0.193	0.146	0.0500	0.790	0.084	89.5	0.0025	0.0025	0.840	NA	2.26	0.0661
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	58%	0%	12%	100%	0%	12%	100%	0%	62%	0%	100%	96%	65%		0%	77%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	8	10	1	4	0	4	7	0	0	10	0	0	1	9		1	6
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.91
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	15%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK124A																														
Sample Date																														
01/29/05	10.3	4.52	0.0198	0.0236	**0.125**	**0.125**	3.68	4.03	**0.0075**	**0.0075**	**0.0032**	**0.0032**	**1.55**	**1.55**	**0.0398**	**0.0478**	7350	6810	0.421	0.409	0.0966	0.0656	1.35	0.957	**130**	85.4	**0.0652**	**0.0155**	1090	1060
03/19/05	5.22	3.77	0.0235	**0.0192**	0.110	0.045	4.62	4.44	**0.001495**	**0.001495**	**0.00906**	**0.003835**	1.82	1.32	0.0381	0.0364	8270	6530	**0.03565**	**0.03565**	0.0518	0.0482	1.28	1.14	136	72.4	**0.035**	**0.035**	1260	1010
05/09/05	114	19.7	**0.0185**	0.0217	0.243	0.102	3.54	3.48	**0.00605**	**0.001495**	**0.003835**	**0.003835**	4.45	3.37	0.0667	0.0433	5540	5160	**0.124**	**0.03565**	0.240	0.0930	3.94	2.34	303	45.2	0.405	0.168	748	730
06/05/05	41.5	11.4	0.0242	0.0270	**0.125**	**0.125**	3.78	2.33	**0.0075**	**0.0075**	**0.0038**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.0250**	5080	5040	**0.0310**	**0.100**	0.0980	0.0218	2.52	1.68	143	46.7	0.147		730	736
07/09/05	19.9	6.49	0.0182	0.0116	**0.125**	**0.125**	3.74	3.14	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.0274**	**0.00775**	7100	6710	0.443	0.251	0.0836	0.0230	2.36	1.50	352	67.0	**0.05**	**0.050**	987	954
08/18/05	22.1	8.15	**0.00155**	**0.00155**	**0.296**	**0.125**	4.00	3.84	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0202**	**0.00775**	7620	7980	0.693	0.741	0.128	0.0732	2.27	1.72	521	145	0.168	0.238	1020	1050
09/14/05	39.4	18.0	0.0206		**0.125**	**0.125**	3.19	3.50	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.0250**	5680	6770	0.675	**0.031**	0.149	0.122	2.73	2.14	188	58.6	0.131		820	899
10/29/05	18.3	5.68	0.019		**0.125**	**0.125**	3.33	3.54	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7090	7370	0.476	0.615	0.126	0.135	1.65	1.06	158	34.1	**0.065**		933	1020
01/19/06	9.29	4.23	**0.0192**	**0.0192**	**0.155**	**0.155**	3.81	4.13	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.750**	**0.0306**	**0.0125**	7890	8650	0.522	0.622	0.0886	0.0948	1.31	0.968	161	29.2	7.18	0.347	1130	1190
02/07/06	7.09	3.86	**0.041**	**0.0314**	**0.155**	**0.155**	4.72	5.08	**0.012**	0.0304	**0.0240**	**0.0075**	**2.19**	**0.750**	0.0556	**0.0424**	8070	8790	0.644		0.0994	0.108	1.26	1.34	166	23.3	6.89	0.270	1160	1230
03/14/06	5.09	2.01	**0.025**	**0.025**	**0.155**	**0.155**	4.03	3.54	**0.012**	**0.0120**	0.0594	**0.0250**	**0.750**	**0.750**	**0.0125**	**0.0125**	9090	8220	0.294		0.0738	0.0508	1.06	0.768	138	**10.0**	0.17		1250	1200
06/19/06	37.1	9.88	**0.0320**	**0.0192**	**0.155**	**0.155**	2.87	2.95	**0.0120**	**0.0120**	**0.0170**	**0.0075**	**0.750**	**0.750**	**0.0358**	**0.0358**	5700	5940	0.428	0.605	0.130	0.0920	2.54	1.75	167	49.6	0.192		749	767
07/23/06	24.9	11.0	**0.0242**	**0.0270**	**0.155**	**0.155**	4.06	3.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7020	6840	0.531		0.0666	0.0562	1.42	1.25	294	120	0.192		877	865
08/16/06	40.2	18.8	**0.0182**	**0.0075**	**0.155**	**0.155**	3.55	3.36	**0.0276**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0390**	**0.0185**	6010	5900	0.321	0.371	0.125	0.0886	2.77	2.30	177	88.2	0.357	0.138	819	796
11/01/06	20.2	5.40	**0.0075**	**0.0075**	**0.155**	**0.155**	3.49	4.01	**0.0125**	**0.0125**	**0.0075**	**0.0150**	**1.25**	**1.25**	**0.0468**	**0.0394**	7050	7710	**0.0500**	**0.100**	0.148	0.127	2.04	1.35	195	54.6	**0.050**	**0.050**	995	1130
12/11/06	5.66	3.05	**0.0075**	**0.0075**	**0.155**	**0.155**	3.41		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7190	7720	**0.0500**	**0.0500**	0.0384	0.0352	1.10	1.04	81.5	**18.2**	**0.050**	**0.050**	986	1080
01/17/07	8.86	2.73	**0.0250**	**0.0250**	**0.318**	**0.155**	3.36		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.128	0.0814	7540	8140	**0.0500**	**0.0500**	**0.0050**	**0.0050**	1.06	0.914	50.6	**3.10**	**0.0155**	**0.0155**	1060	1190
05/12/07	15.2		**0.0198**	**0.0204**	**0.155**	**0.155**	2.86	3.31	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4020	4330	0.452	0.418	0.0816	0.0396	1.09	0.336	128		**0.050**	**0.0155**	1040	1140
06/18/07	11.1	7.07	**0.0250**	**0.0250**	**0.155**	**0.155**	2.88	3.07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0222**	**0.0248**	6160	6110	**0.100**	**0.100**	0.0456	0.0390	1.86	1.47	143	82.0	0.127	0.144	866	909
07/13/07	18.5	11.0	**0.0250**	**0.0250**	**0.155**	**0.155**	3.66	3.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5540	5110	**0.158**	**0.189**	0.0476	0.0380	1.12	0.913	288	189	**0.050**	**0.050**	651	666
08/16/07	12.2	6.80	**0.0258**	**0.0280**	**0.155**	**0.155**	2.97	3.25	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0170**	**0.0075**	6300	6560	**0.145**	**0.133**	0.0378	0.0298	1.83	1.17	246	111	**0.050**	**0.050**	783	851
09/16/07	30.5	14.7	**0.0188**	0.0600	**0.155**	**0.155**	3.52	4.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0404**	**0.0282**	7160	8010	**0.100**	0.280	0.106	0.0720	2.14	2.29	172	92.4	0.119	**0.050**	858	982
10/14/07	28.1	9.28	**0.0158**	**0.0176**	**0.155**	**0.155**	3.36	3.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0478**	**0.0462**	6730	6660	0.416	0.361	0.125	0.108	1.75	1.18	151	68.7	**0.050**	**0.050**	871	869
11/10/07	18.9	9.44	**0.0188**	**0.0260**	**0.155**	**0.155**	3.38	3.48	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0396**	**0.0408**	7020	7170	**0.0500**	**0.0500**	0.0902	0.0818	1.32		130	68.6	**0.050**	**0.050**	895	927
12/09/07	20.5	9.84	**0.0188**	**0.0075**	**0.155**	**0.155**	3.60	3.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0222**	**0.0230**	6290	6380	0.340	0.251	0.0614	0.0576	0.803	0.655	120	57.9	**0.050**	**0.050**	669	773
05/29/08	525	18.3	**0.0295**	**0.0194**	0.771	**0.155**	5.91	2.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.130	**0.0435**	5100	4960	0.432	**0.100**	0.812	0.0914	9.27	2.04	1100	66.7	6.65	**0.050**	845	697
06/15/08																														
Mean	42.7	9.00	0.0209	0.021	0.186	0.142	3.67	3.56	0.0112	0.0111	0.0092	0.0069	1.58	1.46	0.0360	0.0273	6680	6750	0.307	0.256	0.1213	0.0691	2.07	1.37	225	67.5	0.8980	0.090	927	951
Median	19.4	8.15	0.0198	0.021	0.155	0.155	3.55	3.49	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0290	0.0249	7020	6740	0.331	0.189	0.0934	0.0688	1.70	1.25	164	66.7	0.0920	0.050	886	941
St. Deviation	101	5.35	0.0078	0.012	0.129	0.025	0.650	0.580	0.0045	0.0052	0.0113	0.0048	0.980	0.870	0.0318	0.0178	1140	1210	0.219	0.222	0.1486	0.0354	1.64	0.540	203	42.3	2.216	0.090	167	171
# of values	26	25	26	24	26	26	26	24	26	26	26	26	26	26	26	26	26	26	26	23	26	26	26	25	26	25	26	20	26	26
Minimum	5.09	2.01	0.00155	0.00155	0.110	0.045	2.86	2.33	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.0075	0.0075	4020	4330	0.0310	0.0310	0.0050	0.0050	0.803	0.336	50.6	3.10	0.0155	0.0155	651	666
Maximum	525	19.7	0.041	0.0600	0.771	0.155	5.91	5.08	0.0276	0.0304	0.0594	0.025	5.00	5.00	0.130	0.0814	9090	8790	0.693	0.741	0.812	0.135	9.27	2.34	1100	189	7.18	0.347	1260	1230
% of values undetected	0%	0%	27%	38%	81%	92%	0%	0%	92%	96%	77%	92%	88%	92%	31%	50%	0%	0%	31%	43%	4%	4%	0%	0%	0%	8%	42%	70%	0%	0%
# of values between MDL and PQL	0	0	13	10	2	0	0	0	2	0	5	2	1	0	13	10	0	0	3	2	0	0	0	0	1	1	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.069	0.068	NA	NA	10.98	10.56276	NA	NA	1.931	1.853	1000	1000	0.304	0.323	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	4%	0%	0%	0%	0%	0%	0%	38%	20%	4%	0%	19%	5%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK124A																									
Sample Date																									
01/29/05	22.6	17.5	**0.0005**		0.426	0.416	0.372	0.343	302	**281**	**0.259**	**0.246**	4380	**0.0031**	**0.0031**	1750	1690	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	6.06	5.42
03/19/05	16.1	14.6	**0.000147**		0.481	0.375	0.225	0.218	313	292	0.206	0.189	3660	**0.00383**	**0.001435**	1570	1230	0.054	**0.002125**	**0.0302**	**0.0302**	0.184	0.0846	6.44	7.04
05/09/05	34.6	17.1	**0.0025**		0.371	0.432	0.306		305	306	0.214	0.197	3400	**0.00795**	**0.001435**	1180	1120	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.844	0.188	8.80	7.19
06/05/05	15.3	11.9	**0.000450**		0.622	0.698	0.390		241	258	**0.0775**	**0.166**	3140	**0.0031**	**0.0031**	1440	1480	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	0.554	5.15	5.03
07/09/05	22.8	15.8	**0.0025**		0.784	0.662	0.360		351	337	**0.0775**	**0.0775**	3530	**0.0031**	**0.0031**	1870	1790	**0.0031**	**0.0031**	**0.031**	**0.031**	0.503	**0.100**	21.7	21.9
08/18/05	32.5	23.3	**0.000450**		0.507	0.498	0.538		455	495	**0.0775**	**0.0775**	4290	**0.0031**	**0.0031**	1900	2020	**0.0031**	**0.0031**	**0.031**	**0.031**	0.479	**0.288**	4.75	3.93
09/14/05	24.8	22.1	**0.000450**		0.535		0.480		297	353	**0.0775**	**0.280**	4390	**0.0031**	**0.0031**	1520	1780	**0.0082**	**0.0031**	**0.031**	**0.031**	**0.279**	**0.311**	6.63	
10/29/05	30.1	30.4	**0.00109**		0.407		0.418		280	310	**0.0775**	**0.290**	4700	**0.0031**	**0.0031**	1560	1830	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	6.96	7.34
01/19/06	23.3	23.7	**0.000450**		0.422	0.478	0.471		309	336	**0.155**	**0.155**	5080	**0.0031**	**0.0031**	1880	2030	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	10.3	
02/07/06	35.4	38.2	**0.000475**		0.654	0.384	0.584		351	385	**0.428**	**0.155**	4610	**0.0031**	**0.0031**	1730	1850	**0.0050**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	26.9	14.9
03/14/06	9.38	6.74	**0.000475**		0.381	0.298	0.380		357	345	**0.338**	**0.413**	4020	**0.0031**	**0.0031**	1610	1610	0.0104	**0.0050**	**0.0155**	**0.0155**	**0.250**	**0.110**	7.61	6.98
06/19/06	20.6	17.0	**0.00250**		0.601	0.503	**0.182**		287	307	**0.155**	**0.155**	2330	**0.0031**	**0.0031**	1400	1490	0.0256	**0.0025**	**0.0414**	**0.0155**	0.570	0.552	6.28	5.77
07/23/06	11.0	8.49	**0.000475**		0.409	0.402	0.328		294	297	**0.155**	**0.155**	3850	**0.0031**	**0.0031**	2110	2130	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.80	
08/16/06	21.5	15.3	**0.00250**		0.633	0.576	0.367		262	265	**0.155**	**0.155**	3910	**0.0031**	**0.0031**	1550	1540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	7.83	5.62
11/01/06	33.9	30.8	**0.000475**		0.586	0.676	0.258	0.373	312	368	**0.155**	**0.155**	4420	**0.0031**	**0.0031**	1600	1770	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	7.45	7.82
12/11/06	9.29	8.47	**0.000475**		0.559	0.549	0.339	0.396	286	319	**0.155**	**0.155**	4070	**0.0031**	**0.0031**	1550	1650	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	6.97	8.42
01/17/07	5.90	2.87	**0.000169**		0.454	0.491	0.264	0.316	315	356	**0.155**	**0.569**	3830	0.0582	**0.0031**	1460	1690	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.25	5.96
05/12/07	7.21	7.71	**0.000614**		0.167	0.172	3.46	**0.100**	476	510	**0.155**	**0.155**	4260	**0.0031**	**0.0031**	2010	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.37	2.97
06/18/07	8.82	6.99	**0.000169**		0.640	0.638	0.286	0.317	306	321	**0.155**	**0.155**	2930	**0.0031**	**0.0031**	1450	1490	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.71	3.18
07/13/07	9.38	5.30	**0.000169**		0.164	0.164	0.253	0.349	244	249	**0.155**	**0.155**	3280	**0.0078**	**0.0031**	2100	1930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.68	1.76
08/16/07	8.38	5.37	**0.000169**		0.407	0.423	0.325	0.430	278	304	**0.155**	**0.155**	3450	**0.0031**	**0.0031**	1720	1830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.21	3.44
09/16/07	21.1	15.9	**0.00250**		0.600	0.681	0.318	0.421	316	360	**0.155**	**0.155**	4460	**0.0031**	**0.0031**	1610	1810	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.78	6.01
10/14/07	27.9	24.9	**0.000539**		0.551	0.552	0.355	0.448	259	259	**0.155**	**0.155**	4140	**0.0031**	**0.0031**	1430	1430	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	7.71	7.81
11/10/07	21.4	19.6	**0.00250**		0.512	0.513	0.308		274	296	**0.155**	**0.155**	4370	**0.0031**	**0.0031**	1560	1610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.90	6.91
12/09/07	14.3	13.9	**0.000755**		0.266	0.280	0.252	0.355	230	201	**0.155**	**0.155**	4620	**0.0031**	**0.0031**	1480	1800	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.86	4.23
05/29/08	97.9	21.5	**0.00215**		0.485	0.383	0.688	0.480	312	317	**0.155**	**0.155**	2830	**0.0184**	**0.0031**	1100	1190	**0.0050**	**0.0050**	**0.050**	**0.050**	3.42	**0.155**	19.0	6.74
06/15/08																									
Mean	22.5	16.4	0.000986	NA	0.486	0.469	0.481	0.350	308	324	0.166	0.192	3920	0.00620	0.0030	1620	1690	0.00740	0.0041	0.040	0.039	0.367	0.198	7.81	6.80
Median	21.3	15.9	0.000475	NA	0.496	0.485	0.347	0.355	304	314	0.155	0.155	4050	0.00310	0.0031	1570	1730	0.00500	0.0050	0.050	0.050	0.170	0.155	6.36	6.01
St. Deviation	17.9	8.90	0.000929	NA	0.146	0.150	0.618	0.101	56.0	67.0	0.0780	0.102	660.0	0.0111	0.00050	250.0	270.0	0.0105	0.0012	0.012	0.013	0.646	0.121	5.86	4.19
# of values	26	26	26	0	26	24	26	13	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	23
Minimum	5.90	2.87	0.000147	NA	0.164	0.164	0.182	0.100	230	201	0.0775	0.0775	2330	0.0031	0.001435	1100	1120	0.002125	0.002125	0.0155	0.0155	0.1	0.0846	1.68	1.76
Maximum	97.9	38.2	0.0025	NA	0.784	0.698	3.46	0.480	476	510	0.428	0.569	5080	0.0582	0.0031	2110	2170	0.054	0.0050	0.050	0.050	3.42	0.554	26.9	21.9
% of values undetected	0%	0%	81%		0%	0%	0%	8%	0%	0%	81%	69%	0%	81%	100%	0%	0%	85%	100%	96%	100%	73%	77%	0%	0%
# of values between MDL and PQL	0	0	5		0	0	1	0	0	1	3	6	0	4	0	0	0	1	0	1	0	1	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	10.96	10.93	NA	NA	5	4.6	NA	0.1703222	0.145	NA	NA	NA	NA	NA	NA	NA	NA	25.13	24.77
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
% of DWS exceedences	4%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK131A																											
Sample Date																											
05/01/04	6.36	1.48	13.1		0.024			8.5	38.0	40.0	0.62	**1.57**	10.0	0.236			**0.0155**		1.03	**0.0155**	0.794	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/19/04	6.81	2.07	12.55		0.007		12.3	5.7	18.0	45.0	0.74	**1.57**	**7.00**	**0.0500**			**0.0155**		0.735	**0.0155**	0.766	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/16/04	6.63	4.83	11.31		0.022	-8.0	2.4	6.0	25.0	30.0	0.70	**1.57**	**8.50**				**0.0155**		0.640	**0.0340**	0.821	**0.0030**	**0.00125**	**0.065**			**0.0155**
07/13/04	5.62	12.89	10.8		0.023	148.0		7.0	25.0	30.0	0.50	**1.57**	20.5				0.3910		0.602	**0.041**	0.814			**0.065**			**0.0155**
08/26/04	7.15	8.94		112.4	0.032	239.0	0.40	8.3	26.0	28.8	0.80	**1.57**	11.5	**0.155**			**0.0155**		0.686	**0.0155**	0.809	**0.00125**	**0.0027**	**0.140**			**0.0155**
09/15/04	7.13	1.94	12.75	92.6	0.032	239.0	0.90	8.0	26.0	41.3	0.60	**1.57**	11.3	**0.155**			**0.0155**		0.702	0.110	0.842	**0.0025**	**0.0039**	**0.240**			**0.0155**
10/15/04	6.50	4.00	13.1		0.020		22.0	7.0	22.0	25.0	0.50	**1.57**	**7.00**	**0.370**			**0.0155**		0.895	**0.0155**	2.130	**0.0025**	**0.0025**	**0.140**			**0.0155**
01/26/05	7.54	1.49		109.5	0.032	83.0	3.7	8.6	28.0	18.8	**0.075**	**0.785**	**9.50**	0.160			0.0371		0.718	**0.0155**	0.866	**0.00125**	**0.00125**	**0.320**			**0.050**
03/17/05	7.35	1.55	13.2	94.4	0.032	88.0	1.4	9.7	28.0	21.3	**0.30**	**2.50**	12.0	0.120			**0.0093**		0.750	**0.0155**	0.866	**0.00125**	**0.00125**	**0.190**			**0.0155**
05/02/05	5.26	2.04	13.86	100.3	0.022	269.8	0.69	16.8	22.0	26.2	1.90	**2.00**	**7.00**	0.330			0.0344		0.824	**0.0155**	4.030	**0.00125**	**0.00125**	**0.660**			**0.0155**
06/01/05	6.14	5.81	12.73	101.6	0.019	171	0.38	6.1	18.5	37.5	0.50	**0.785**	**7.00**	**0.0155**			0.0195		0.673	**0.0155**	0.764	**0.00125**	**0.00125**	**0.130**			**0.050**
07/09/05																											
07/10/05	6.66	7.23	10.07	83.6	0.022	-73.4	0.43	7.9	23.0	21.3	0.50	**0.785**	**9.50**	0.133			0.0135		0.500	**0.0155**	0.705	**0.0025**	**0.0025**	**0.220**			**0.0155**
08/15/05	6.52	12.41	8.16	76.4	0.025	197.3	2.0	8.8	23.0	13.8	0.60	**0.785**	10.5	**0.0155**			**0.0180**		0.536	**0.0155**	0.755	**0.00125**	**0.00125**	**0.250**			0.201
09/12/05	4.40	6.06	11.74		0.018	266.7	0.55	6.5	19.5	27.5	**0.60**	**2.25**	**6.50**	0.120			0.0300		0.740	**0.0155**	0.755	**0.00125**	**0.00125**	**0.420**			**0.050**
10/27/05	5.70	1.60	11.35	81.3	0.022	227.6	0.28	7.9	23.5	**8.75**	**0.098**	**1.88**	**9.00**	0.167			**0.0099**		0.685	**0.0155**	0.807	**0.00125**	**0.00125**	**0.340**			**0.050**
02/09/06	6.25	0.91	10.48	73.5	0.026	-137.2	0.29	9.8	29.0	36.3	**0.08**	**0.785**	12.0	0.206			**0.019**		0.671	**0.0155**	0.833	**0.00125**	**0.00125**	**0.0295**			0.106
03/15/06	6.76	1.04	9.61	67.7	0.027		0.21	12.0	30.0	33.8	**0.0765**	**2.50**	14.0	0.143			0.0100		0.673	**0.0155**	0.790	**0.00125**	**0.00125**	**0.155**			**0.050**
05/22/06	4.57	0.46	7.91	54.8	0.016	201.2	1.66	5.3	16.0	31.2	3.60	**3.75**	**9.0**	0.142	**0.0155**	0.142	0.0370	**0.0155**	1.19	**0.0155**	0.927	**0.00125**	**0.00125**	**0.155**			**0.050**
06/19/06	5.56	3.88	8.25	62.6	0.020	212.5	0.22	6.7	19.0	13.8	**0.306**	**2.25**	**9.00**	0.114	**0.0500**	**0.0665**	0.0180	**0.05**	0.675	**0.0155**	0.772	**0.0030**	**0.0020**	**0.155**			**0.0155**
07/24/06	6.00	6.61	8.85	72.1	0.023	233.4	0.26	9.2	24.0	13.8	**0.300**	**1.75**	10.0	**0.0155**	**0.0155**	**0.0155**	0.0188		0.589	**0.0360**	0.789	**0.00105**	**0.0025**	**0.155**			**0.0460**
08/16/06	7.43	6.38	9.08	73.9	0.019	189.3	0.15	6.9	19.0	26.2	1.20	**1.57**	**6.00**	**0.0335**	**0.0500**	**0.0155**	0.0210	**0.05**	0.530	**0.0310**	0.823	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/13/06	6.87	7.50		80.1	0.021	237.2	0.49	8.0	22.0	20.0	**0.200**	**1.57**	**9.00**	**0.0350**	**0.0155**	**0.0340**	**0.0060**	**0.05**	0.704	**0.0920**	0.823	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/01/06	5.88	1.22	9.11	64.6	0.022	93.6	0.33	7.5	22.0	40.0	**0.080**	**1.57**	**9.00**	**0.0860**	**0.0155**	**0.0820**	0.0150	**0.05**	0.613	**0.0155**	0.669	**0.00075**	**0.00075**	**0.155**			**0.050**
12/11/06	6.99	0.98	11.02	77.4	0.027	212.5	0.08	8.6	25.0	42.5	**0.153**	**1.57**	12.0	**0.0670**	**0.0155**	**0.0670**	0.0190	**0.05**	0.619	**0.0155**	0.689	**0.00075**	**0.00075**	**0.155**			**0.050**
01/19/07	6.76	1.09	12.94	91.5	0.027	121.4		10.1	30.0	22.5	**0.150**	**1.57**	10.0	0.123	**0.0155**	0.113	0.0100	**0.05**	0.644	**0.0155**	0.673	**0.00075**	**0.00075**	**0.155**			**0.050**
02/18/07	5.98	1.03	9.74	68.5	0.027	235.6	0.29	9.8	25.0	26.3	**0.153**	**1.57**	**12.0**	**0.0710**	**0.0155**	**0.0710**	**0.00155**	**0.05**	0.621	**0.0155**	0.670	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/11/07	5.61	3.42	11.64	87.5	0.021	184.6	0.26	6.9	20.0	18.8	0.50	**1.57**	**7.27**	**0.050**			0.0160		0.717	**0.0320**	0.767	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/19/07	6.54	3.96	11.89	90.3	0.021	223.6	0.68	7.6	20.5	27.5	**0.150**	**1.57**	**8.50**	**0.050**			**0.0050**		0.643	**0.0570**	1.020	**0.00075**	**0.00075**	**0.155**		0.774	**0.0155**
07/13/07	6.07	5.74	9.07	72.4	0.021	123.7	0.27	8.6	22.0	23.8	**0.300**	**1.57**	10.2	**0.0155**			0.0102		0.556	**0.0370**	0.742	**0.00075**	**0.00075**	**0.155**		0.907	**0.0155**
08/15/07	7.25	7.34	8.90	74.2	0.024	32.2	0.48	8.2	23.0	21.3	**0.426**	**1.57**	10.2	**0.0345**			**0.0090**		0.474	**0.0155**	0.620	**0.00075**	**0.00075**	**0.155**		0.868	**0.0155**
09/16/07	5.84	4.33	8.76	67.4	0.020	190.6	0.16	7.4	20.0	33.8	**0.300**	**1.57**	**7.88**	0.178			0.0168		0.511	**0.0155**	0.690	**0.00075**	**0.00075**	**0.155**		0.723	**0.0155**
10/14/07	4.36	1.19	15.31	109.6	0.021	299.8	0.15	7.4	21.0	21.3	**0.417**	**1.57**	**8.62**	**0.0870**			0.0125		0.579	**0.0155**	0.643	**0.00075**	**0.00075**	**0.155**		**0.491**	**0.0155**
11/10/07	6.10	0.53	11.22	78.0	0.025	162.5	0.35	8.9	24.5	13.8	**0.144**	**1.57**	**9.84**	0.136			0.0211		0.626	**0.0155**	0.684	**0.00075**	**0.00075**	**0.155**		0.711	**0.0155**
12/09/07	6.22	1.23	11.06	78.5	0.025	205.2	0.27	9.2	24.8	18.8	**0.150**	**1.57**	10.2	0.139			0.0136		0.606	**0.0155**	0.666	**0.0025**	**0.0025**	**0.155**		**0.185**	**0.0155**
01/23/08	4.69	0.46	11.2	77.6	0.027	152.0	0.83	9.2	29.9	27.5	**0.606**	**1.57**	11.2	0.160			0.0172		0.585	**0.0155**	0.625	**0.00075**	**0.00075**	**0.155**		0.555	**0.0155**
02/19/08	8.44	1.37	7.82	55.8	0.027	36.0	1.29	10.0	29.6	60.0	0.73	**4.96**	12.2	**0.0840**			0.0173		0.590	**0.0310**	0.662	**0.00075**	**0.00075**	**0.155**		**0.075**	**0.0155**
03/16/08	6.49	1.13	10.6	75.1	0.029	273.2	1.04	8.9	30.0	26.3	**0.158**	**5.74**	12.8	0.148			0.0180		0.585	**0.0155**	0.630	**0.00075**	**0.00075**	**0.155**		0.717	**0.0324**
03/26/08	7.28	1.48	11.45	81.9	0.032	144.0																					
04/19/08	7.85	1.34	13.32	94.6	0.024	201.1	0.11	10.4	32.3	36.3	**0.1565**	**3.42**	12.8	0.179			0.0161		0.582	**0.0155**	0.620	**0.0025**	**0.00075**	**0.155**		**0.268**	0.225
05/28/08	6.16	1.96	13.08	94.5	0.021	169.8	0.21	7.3	14.6	32.5	0.60	**1.57**	**8.82**	0.161			0.0127		0.696	**0.057**	0.618	**0.00075**	**0.00075**	**0.560**		1.56	**0.0155**
Mean	6.34	3.5	11.0	81.7	0.024	162.4	1.6	8.4	24.0	27.8	0.51	1.87	10.0	0.121	0.0232	0.0674	0.0261	0.0500	0.667	0.0254	0.871	0.00130	0.00130	0.187	NA	0.653	0.0371
Median	6.43	2	11.2	78.3	0.023	190.0	0.39	8.2	23.5	26.3	0.42	1.57	9.84	0.123	0.0155	0.0670	0.0155	0.0500	0.643	0.0155	0.766	0.00130	0.00130	0.155	NA	0.714	0.0155
St. Deviation	0.91	3.2	1.90	14.7	0.005	97.1	4.07	2.0	5.00	10.3	0.62	1.02	2.60	0.081	0.0152	0.0424	0.0605	0.0100	0.136	0.0212	0.572	0.00070	0.00070	0.124	NA	0.393	0.0459
# of values	40	40	37	34	40	36	36	39	39	39	39	39	39	37	9	9	39	8	39	39	39	38	38	39	0	12	39
Minimum	4.36	0.46	7.82	54.8	0.007	-137.2	0.08	5.27	14.6	8.75	0.075	0.785	6.00	0.0155	0.0155	0.0155	0.00155	0.0155	0.474	0.0155	0.618	0.00075	0.00075	0.0295	NA	0.075	0.0155
Maximum	8.44	12.89	15.31	112.4	0.032	299.8	22.0	16.8	38.0	60.0	3.60	5.74	20.5	0.370	0.0500	0.142	0.391	0.050	1.19	0.110	4.03	0.0030	0.0039	0.660	NA	1.56	0.225
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	72%	0%	22%	100%	22%	21%	100%	0%	72%	0%	95%	92%	69%		8%	87%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	10	11	21	10	0	5	6	0	0	10	0	2	3	12		3	2
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.08
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK131A																														
Sample Date																														
05/01/04	31.2	26.0	**0.100**	**0.100**	0.552	0.621	1.92	1.74	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2610	2770	**0.118**	**0.173**	**0.0155**		0.350	0.327	**19.9**	**16.2**	**0.050**	**0.050**	486	496
05/19/04	40.8	**12.5**	0.476	**0.100**	0.661	0.604	1.38	1.14	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	1780	1630	**0.0500**	**0.0500**	**0.0155**		0.338	0.219	31.2	**19.2**	**0.050**	**0.050**	293	284
06/16/04	26.0	**12.5**	0.432	0.267	0.811	0.753	1.06	1.13	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	1880	1890	**0.0500**	**0.146**	**0.0155**		**0.100**	**0.100**	23.0	**19.9**	**0.050**	**0.050**	320	316
07/13/04	**12.5**	**12.5**	0.28	0.310	1.16	1.09	1.95	1.95	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.050**	2240	2260	**0.100**	0.223	**0.0155**		0.228	0.352	**10.0**	**3.10**	**0.050**	**0.050**	334	368
08/26/04	**12.5**	**12.5**	**0.10**	0.229	0.950	0.928	2.05	1.82	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2610	2580	**0.160**	**0.141**	**0.0155**		**0.100**	**0.100**	**3.10**	**3.10**	**0.050**	**0.050**	422	430
09/15/04	**12.5**	**12.5**	**0.10**	0.207	0.923	1.04	2.30	2.01	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2540	2520	0.201	**0.134**	**0.0155**		0.251	**0.100**	30.5	22.5	**0.136**	**0.101**	404	414
10/15/04	31.0	**12.5**	**0.166**	**0.169**	1.03	0.967	2.17	1.87	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2270	1870	**0.0500**	**0.100**	**0.0155**		0.377	**0.100**	**13.1**	**3.10**	0.588	**0.172**	319	301
01/26/05	8.08	4.40	0.155	0.157	0.829	0.967	2.01	2.10	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	2670	2600	0.290	0.411	**0.0050**	**0.0050**	0.134	0.112	**10.0**	**7.37**	**0.0155**	**0.0155**	479	478
03/17/05	3.40		0.194	0.184	1.07	1.07	2.28	2.31	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.21	1.00	**0.003095**	**0.003095**	3060	3450	**0.102**	**0.144**	**0.00476**	**0.00476**	0.184	0.100	**1.325**		**0.011**	0.0898	507	525
05/02/05	61.00	23.8	0.128	0.125	0.858	0.818	3.12	2.64	**0.00906**	**0.0050**	**0.003835**	**0.003835**	1.60	1.76	**0.00889**	**0.010**	6110	2510	**0.03565**	**0.03565**	**0.0289**	**0.0215**	0.177		46.2	12.8	**0.035**	**0.035**	376	376
06/01/05	25.7	16.1	0.122	0.130	0.798	0.897	1.71	1.63	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	1960	1850	**0.0310**	**0.100**	0.0138	0.0142	0.285	0.308	**10.0**	**10.0**	**0.050**		286	275
07/09/05																														
07/10/05	18.9	10.9	0.319	0.193	0.981	1.36	2.22	1.97	**0.0075**	**0.0075**	0.148	**0.00155**	**5.00**	**5.00**	0.0522		2470	2590	**0.100**	**0.100**	0.136	**0.0034**	3.94	0.290	**10.0**	**10.0**	0.369	0.161	419	414
08/15/05	43.7	9.11	5.46	0.203	1.17	1.04	2.74	2.10	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.70**	**6.20**	**0.00775**	**0.00775**	2780	2870	0.364	0.536	0.0204	0.0154	0.224		**10.0**	**3.10**	**0.0155**	**0.0155**	454	478
09/12/05	50.6	34.4	0.336	0.154	0.726	0.756	2.53	2.46	0.0302	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	2080	2090	0.578		0.0428	0.0416	0.485	0.264	40.1	27.2	**0.050**		325	322
10/27/05	13.9	7.17	0.301	0.136	1.11	0.801	2.16	1.90	**0.0075**	**0.0075**	**0.0034**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	2460	2320	**0.0310**		0.0228	0.0156	0.467	0.240	**10.7**	**3.10**	0.328	0.213	419	366
02/09/06	6.65	2.78	0.179	0.154	**0.458**		2.07	1.89	**0.012**	**0.0120**	**0.0398**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	3040	2910	0.317	0.420	**0.0100**	0.0218	0.119	0.136	**10.0**	**10.0**	2.13	0.247	538	448
03/15/06	5.90	3.05	0.173	0.210	0.812	0.671	2.33	2.03	**0.012**	**0.0120**	**0.0075**	**0.0250**	**0.750**	**0.750**	**0.0125**	**0.0125**	3700	3170	0.304		0.0230	0.0268	**0.0500**		**3.10**	**10.0**	1.90	0.181	668	526
05/22/06	111	32.3	0.0926	0.0730	0.833	0.614	2.85	2.08	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	1580	1470	**0.100**	0.213	0.0552	0.0254	0.227		111	**15.7**	0.187	**0.0250**	322	280
06/19/06	15.0	11.4	0.140	0.143	0.849	0.656	1.64	1.60	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	2120	2140	0.408		**0.0100**	**0.0100**	0.147		**3.10**	**3.10**	0.136		330	337
07/24/06	9.36	8.52	0.194	0.180	1.10	0.913	2.21	1.91	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2980	2810	0.495	0.304	0.0278	0.0270	0.709	0.204	20.6	**10.0**	0.541	0.257	426	432
08/16/06	40.2	23.2	0.151	0.158	1.22	1.33	2.37	2.23	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2190	2210	0.266	0.363	0.0292	0.0282	0.178		36.1	**10.0**	0.243	0.147	350	363
09/13/06	12.0	9.24	0.204	0.192	0.940	0.592	2.17	2.00	**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2580	2410	**0.0500**	**0.0500**	**0.0132**	**0.0178**	0.132		**14.0**	**11.6**	0.306	0.151	384	357
11/01/06	12.1	8.75	0.156	0.171	1.22	0.563	1.95		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2380	2720	**0.0500**		**0.0156**	**0.0174**	0.120		**10.0**	**10.0**	**0.0155**		375	458
12/11/06	5.64	3.90	0.161	0.176	0.668	0.752	1.98		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2690		**0.0500**	**0.0500**	**0.0065**	**0.0154**	0.103	0.192	**8.77**	**3.10**	**0.050**	**0.0155**	458	
01/19/07	4.97	2.68	0.253	0.208	1.25	1.09	2.56		0.118	**0.0125**	0.289	**0.0075**	**1.25**	**1.25**	0.1370	**0.0075**	3210	3520	0.464	**0.0500**	0.293	0.0420	0.386	0.179	**16.6**	**3.10**	0.198		514	624
02/18/07	4.89	5.51	0.198	0.243	0.926	0.854	2.20		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3020		**0.100**		**0.0146**	**0.0116**	0.136		**10.0**	**10.0**	0.295	**0.0155**	545	
05/11/07	30.9	24.7	0.135	0.157	0.869	0.897	2.30	2.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2170	2260	0.465	0.507	**0.0100**		0.187		27.8	21.4	**0.0155**		366	391
06/19/07	15.3	8.64	0.173	0.160	0.989	0.774	2.02	1.82	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2410	2190	0.269	0.224	**0.0114**	**0.0050**	0.284	0.180	**14.2**	**3.10**	0.106	**0.0155**	395	367
07/13/07	11.6	5.84	0.185	0.167	1.11	0.881	2.08	1.83	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2700	2420	**0.173**	0.243	**0.0134**	**0.0116**	0.119	0.111	**14.1**	**7.50**	**0.0155**	**0.0155**	442	408
08/15/07	9.28	5.14	0.189	0.183	1.02	1.00	1.93	2.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2590	2690	**0.162**	**0.168**	**0.0106**	**0.0154**	0.386	0.364	**10.0**	**10.0**	**0.0155**	**0.0155**	418	450
09/16/07	28.1	21.2	0.165	0.159	1.12	0.926	2.44	2.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0188**	**0.0075**	2430	2650	**0.100**	0.208	**0.0158**	**0.0138**	0.218	0.295	**11.3**	**6.93**	**0.050**	**0.0155**	322	388
10/14/07	16.4	11.7	0.152	0.142	0.947	0.894	2.05	1.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2350	2330	0.325	0.321	**0.0132**	**0.0116**	0.106	0.138	**9.81**	**3.10**	**0.0155**	**0.0155**	367	363
11/10/07	11.1	8.26	0.168	0.172	0.996	0.911	2.03	2.03	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2820	2900	0.238	**0.100**	**0.0050**	**0.0050**	0.124	0.208	**10.0**	**10.0**	**0.0155**	**0.0155**	458	467
12/09/07	9.45	6.82	0.183	0.183	0.974	1.01	2.24	2.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2910	3030	0.253	**0.100**	**0.0050**	**0.0100**	0.128	0.182	**10.0**	**3.10**	0.114	**0.050**	458	481
01/23/08	4.81	2.73	0.168	0.168	0.740	0.866	2.01	2.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2890	2920	0.211	**0.100**	**0.0050**	**0.0110**	**0.0500**		**7.77**	**3.10**	**0.0155**	**0.0155**	482	475
02/19/08	4.44	2.93	0.180	0.181	0.910	0.840	2.20	2.06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3140	2960	0.271	0.211	**0.0050**	**0.0050**	0.107	**0.0500**	**12.8**	**11.1**	**0.0155**	**0.050**	516	492
03/16/08	3.81	2.95	0.155	0.165	0.778	0.752	1.87		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2760	3330	**0.0500**	**0.0500**	**0.0102**	**0.0114**	**0.0500**		**9.79**	**11.1**	**0.0155**	**0.0390**	472	559
03/26/08																														
04/19/08	4.23	3.05	0.149	0.140	0.770	0.810	2.33	2.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3200	3140	0.363	0.384	**0.0050**	**0.0141**	0.133		**14.7**	**13.0**	**0.0155**	**0.0155**	580	573
05/28/08	27.2	18.2	0.104	0.101	0.953	0.869	2.36	2.20	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2330	2230	**0.0500**	**0.0500**	**0.0126**		0.281		**18.6**	**9.77**	**0.0155**	**0.0155**	369	358
Mean	20.4	11.6	0.325	0.171	0.925	0.873	2.15	2.00	0.0137	0.0103	0.1520	0.1401	1.56	1.60	0.0156	0.01184	2660	2550	0.200	0.194	0.0257	0.0160	0.311	0.194	17.5	10.0	0.2122	0.0718	420	417
Median	12.5	9.18	0.168	0.168	0.940	0.875	2.17	2.02	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0089	0.00775	2590	2580	0.162	0.146	0.0146	0.0142	0.178	0.182	10.7	10.0	0.0500	0.0500	419	414
St. Deviation	20.6	8.41	0.848	0.045	0.183	0.183	0.360	0.320	0.0176	0.0029	0.2877	0.2890	1.00	1.15	0.0215	0.00772	720.0	490.0	0.151	0.140	0.0491	0.0099	0.612	0.0910	18.4	6.00	0.4494	0.0744	86.0	86.0
# of values	39	38	39	39	39	38	39	34	39	39	39	39	39	39	39	38	39	37	39	33	39	30	39	25	39	38	39	33	39	37
Minimum	3.40	2.68	0.0926	0.073	0.458	0.563	1.06	1.13	0.001495	0.001495	0.00155	0.00155	0.75	0.750	0.003095	0.003095	1580	1470	0.031	0.03565	0.00476	0.0034	0.0500	0.0500	1.325	3.10	0.011	0.0155	286	275
Maximum	111	34.4	5.46	0.310	1.25	1.36	3.12	2.64	0.118	0.0125	0.75	0.750	5.00	6.20	0.137	0.050	6110	3520	0.578	0.536	0.293	0.042	3.94	0.364	111	27.2	2.13	0.257	668	624
% of values undetected	8%	16%	8%	5%	0%	0%	0%	0%	92%	100%	90%	100%	92%	92%	90%	100%	0%	0%	41%	39%	46%	23%	13%	20%	38%	58%	62%	67%	0%	0%
# of values between MDL and PQL	0	0	1	1	1	0	0	0	1	0	2	0	1	1	2	0	0	0	5	6	11	13	0	0	15	12	1	3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.034	0.034	NA	NA	8.5842335	7.3824408	NA	NA	0.841	0.807	1000	1000	0.088	0.106	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	3%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	38%	24%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK131A																											
Sample Date																											
05/01/04	**0.739**	1.03	0.0014		**0.155**	**0.155**	**0.194**	0.214	178	195	**0.155**	**0.155**	4140	**0.00310**	**0.00310**	1590	1640	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.309**	**0.279**	2.41	3.50
05/19/04	1.00		0.0014		**0.155**	**0.155**	**0.100**	0.240	140	130	**0.155**	**0.155**	3580	**0.00310**	**0.00310**	1340	1280	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	**0.200**	**0.750**	**0.750**
06/16/04	**0.250**		**0.0009**		**0.379**	**0.155**	**0.100**	**0.100**	119	123	**0.155**	**0.155**	3780	**0.00310**	**0.00310**	1440	1440	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.274**	**0.258**	**0.750**	**0.750**
07/13/04	**0.250**		**0.0005**		**0.356**	**0.155**	**0.100**	**0.100**	161	158	**0.155**	**0.155**	4390	**0.0031**	**0.0031**	1650	1650	**0.0125**	**0.0125**	**0.940**	**0.155**	**0.304**	**0.125**	**0.750**	1.51
08/26/04	**0.250**	1.05	**0.0005**		**0.342**	**0.324**	**0.0681**	**0.031**	191	204	**0.155**	**0.155**	5500	**0.0031**	**0.0031**	1720	1830	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	0.408	**0.750**	**0.750**
09/15/04	**0.500**	1.04	**0.0005**		**0.388**	**0.368**	**0.100**	0.264	169	159	**0.155**	**0.155**	5510	**0.0031**	**0.0031**	1750	1780	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.273**	**0.750**	
10/15/04	**0.737**	1.22	**0.0005**		**0.155**	**0.155**	**0.0827**	0.263	157	130	**0.155**	**0.155**	4980	**0.0031**	**0.0031**	1570	1450	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	3.01	2.38
01/26/05	0.264	**0.0892**	**0.0005**		0.341	0.331	**0.096**	0.109	164	162	**0.0775**	**0.0775**	5190	**0.0031**	**0.0031**	1810	1730	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.829**	
03/17/05	0.627	0.254	**0.000147**		0.259		0.433	0.307	180	176	**0.0310**	**0.0143**	5580	**0.001435**	**0.00500**	1710	1890	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.282	0.263	**0.500**	**0.500**
05/02/05	2.24	0.789	**0.000147**		0.192	0.195	**0.0450**		178	173	**0.0309**	**0.0143**	4120	**0.005000**	**0.001435**	2140	1320	**0.002125**	**0.002125**	**0.100**	**0.0302**	0.179	0.134	1.37	1.96
06/01/05	0.644	0.296	**0.000450**		0.267	0.272	0.120		142	148	**0.0775**	**0.0775**	3610	**0.0031**	**0.0031**	1520	1530	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.200**	1.60	2.18
07/09/05			**0.0025**																							
07/10/05	1.06	0.357			0.582	0.367	0.320	0.274	157	144	**0.0775**	**0.0775**	4310	**0.0031**	**0.0031**	2190	1780	**0.0031**	**0.0031**	0.300	**0.031**	0.677	**0.100**	20.5	3.41
08/15/05	0.723	0.269	**0.0025**		0.276	0.279	0.153	0.147	189	181	**0.0775**	**0.0775**	4990	**0.0031**	**0.0031**	1920	2000	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	4.04	1.70
09/12/05	1.47	0.643	**0.000450**		0.211	0.225	0.145		174	184	**0.0775**	**0.0775**	4880	**0.0031**	**0.0031**	1660	1650	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.236**	**0.100**	3.97	2.71
10/27/05	0.495	0.295	**0.000450**		0.397	0.121	0.122		167	136	**0.0775**	**0.0775**	5630	**0.0100**	**0.0031**	1730	1570	**0.0031**	**0.0031**	**0.031**	**0.031**	0.476	0.685	2.73	
02/09/06	0.253	0.157	**0.000475**		0.379	0.430	**0.131**		175	175	**0.155**	**0.155**	2750	**0.0031**	**0.0031**	1920	1660	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.250**	11.0	1.16
03/15/06	0.189	0.134	**0.000475**		0.384	0.354	**0.0892**	0.272	184	174	**0.155**	**0.155**	5130	**0.0031**	**0.0031**	2250	1850	**0.0025**		**0.0155**	**0.050**	0.517	**0.110**	3.22	2.31
05/22/06	10.1	4.64	**0.00250**		0.377	0.0952	**0.100**	**0.100**	343	318	**0.155**	**0.155**	1870	**0.0031**	**0.0031**	1110	1010	0.0124	**0.0025**	**0.0736**	**0.0155**	**0.110**	**0.110**	1.89	1.56
06/19/06	0.337	0.230	**0.00250**		0.222	0.226	**0.0310**	**0.0310**	148	160	**0.155**	**0.155**	4000	**0.0031**	**0.0031**	1400	1500	**0.0050**	**0.0025**	**0.0155**	**0.0324**	0.663	**0.250**	0.569	
07/24/06	0.440	0.180	**0.000475**		0.342	0.352	0.404	0.434	190	172	**0.155**	**0.155**	4670	**0.0031**	**0.0031**	1740	1780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	7.32	1.65
08/16/06	1.37	0.404	**0.00250**		0.298	0.303	**0.100**		146	153	**0.155**	**0.155**	4770	**0.0031**	**0.0031**	1500	1600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.79	1.24
09/13/06	0.602	0.344	**0.000475**		0.280	0.288	**0.0778**		167	163	**0.155**	**0.155**	4000	**0.0031**	**0.0031**	1670	1660	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.33	1.39
11/01/06	0.511	0.187	**0.00250**		0.335	0.306	**0.100**	**0.100**	133	155	**0.155**	**0.155**	4970	**0.0031**	**0.0031**	1580	1710	**0.0182**	**0.0050**	**0.050**	**0.050**	**0.688**	**0.250**	**0.155**	
12/11/06	0.257	0.184	**0.000475**		0.308	0.354	**0.148**	**0.144**	144		**0.155**	**0.155**	4910	**0.0031**	**0.0031**	1670	1920	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.80	
01/19/07	0.708	0.105	**0.000468**		0.504	0.435	0.357	0.239	190	213	**0.155**	**0.155**	5270	0.0600	**0.0031**	1750	1770	**0.0100**		**0.140**	**0.050**	**0.155**		1.92	
02/18/07	0.198	0.208	**0.000169**		0.395	0.436	**0.100**	**0.100**	166		**0.155**	**0.155**	6070	**0.0031**	**0.0031**	1930		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
05/11/07	1.06		**0.000552**		0.226	0.241	**0.100**		242	254	**0.155**	**0.155**	3440	**0.0031**	**0.0031**	1350	1420	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.16	
06/19/07	0.504	0.182	**0.000169**		0.340	0.289	**0.100**	**0.100**	183	138	**0.155**	**0.155**	4150	**0.0070**	**0.0031**	1580	1510	**0.0184**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
07/13/07	0.387	0.162	**0.00250**		0.335	0.303	**0.100**	**0.100**	154	139	**0.155**	**0.155**	4440	**0.0031**	**0.0031**	1760	1570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
08/15/07	0.420	0.208	**0.00250**		0.315	0.339	**0.100**	**0.100**	156	164	**0.155**	**0.155**	4470	**0.0031**	**0.0031**	1720	1680	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.88	1.54
09/16/07	0.710	0.288	0.0330		0.306	0.324	**0.100**	0.208	168	191	**0.155**	**0.155**	5010	**0.0031**	**0.0031**	1590	1710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.81	2.59
10/14/07	0.383	0.153	**0.000373**		0.273	0.279	**0.100**	**0.100**	125	125	**0.155**	**0.155**	4910	**0.0031**	**0.0031**	1520	1490	**0.0180**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
11/10/07	0.302	0.131	**0.00250**		0.296	0.312	**0.100**	**0.100**	152	170	**0.155**	**0.155**	5520	**0.0031**	**0.0031**	1820	2100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.155**	1.26
12/09/07	0.347	0.157	**0.000169**		0.379	0.330	**0.100**	**0.100**	168	166	**0.155**	**0.155**	5710	**0.0031**	**0.0031**	1750	1850	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
01/23/08	0.218	0.212	**0.00075**		0.342	0.338	**0.100**		171	180	**0.155**	**0.155**	5240	**0.0031**	**0.0031**	1730	1740	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.06
02/19/08	0.198	0.0862	**0.00075**		0.373	0.351	**0.0310**	**0.0310**	179	170	**0.155**	**0.155**	4870	**0.0031**	**0.0031**	1700	1600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
03/16/08	0.195	0.177	**0.00075**		0.348	0.354	**0.100**		140		**0.155**	**0.155**	4700	**0.0031**	**0.0031**	1650	1700	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
03/26/08																										
04/19/08	0.208		**0.00075**		0.335	0.334	**0.100**		181	196	**0.155**	**0.155**	5580	**0.0031**	**0.0031**	2020	2000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.65
05/28/08	0.930		**0.00075**		0.188	0.185	**0.100**		162	159	**0.155**	**0.155**	3750	**0.0031**	**0.0031**	1450	1410	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
Mean	0.822	0.481	0.00183	NA	0.316	0.285	0.130	0.160	170	171	0.137	0.136	4630	0.0048	0.0031	1690	1650	0.0071	0.0058	0.094	0.063	0.231	0.197	2.27	1.50
Median	0.495	0.212	0.00050	NA	0.335	0.305	0.100	0.100	167	165	0.155	0.155	4870	0.0031	0.0031	1700	1660	0.0050	0.0050	0.050	0.050	0.155	0.155	0.829	1.45
St. Deviation	1.58	0.810	0.00520	NA	0.0890	0.0890	0.0900	0.100	36.0	37.0	0.0380	0.0400	870.0	0.0092	0.00040	230.0	220.0	0.0048	0.0035	0.151	0.045	0.159	0.106	3.65	0.870
# of values	39	33	39	0	39	38	39	27	39	36	39	39	39	39	39	39	38	39	37	39	39	39	38	39	28
Minimum	0.189	0.0862	0.000147	NA	0.155	0.0952	0.0310	0.0310	119	123	0.0309	0.0143	1870	0.001435	0.001435	1110	1010	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.155	0.500
Maximum	10.1	4.64	0.0330	NA	0.582	0.436	0.433	0.434	343	318	0.155	0.155	6070	0.0600	0.00500	2250	2100	0.0184	0.0125	0.940	0.155	0.688	0.685	20.5	3.50
% of values undetected	10%	0%	82%		8%	13%	59%	52%	0%	0%	95%	100%	0%	95%	100%	0%	0%	90%	100%	90%	97%	72%	82%	46%	32%
# of values between MDL and PQL	2	1	4		4	2	8	1	0	0	2	0	0	1	0	0	0	3	0	3	1	5	3	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	4.82	4.80	NA	NA	5	4.6	NA	0.0319669	0.027	NA	NA	NA	NA	NA	NA	NA	NA	11.02	10.87
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	3%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK133A																											
Sample Date																											
05/01/04	6.93	1.55	12.87		0.056		7.1	23.5	70.0	60.0	2.27	**1.57**	22.0	0.451			**0.0155**		0.976	**0.050**	5.84	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/19/04	6.78	1.79	11.49		0.056	429.0	0.80	18.6	60.0	67.5	0.92	**3.415**	15.5	0.493			**0.0155**		0.694	**0.050**	5.97	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/16/04	6.67	7.11	10.87		0.072	1.0	1.8	26.9	70.0	66.3	0.90	**1.57**	24.0	0.164			**0.0155**		0.536	**0.0590**	9.13	**0.0039**	0.00500	**0.065**			**0.0155**
07/13/04	6.60	15.85	10.39		0.078	19.0		33.5	90.0	72.5	1.20	**1.57**	34.0	**0.155**			**0.0359**		0.534	**0.069**	10.4	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/26/04	7.70	11.86	12.55		0.102	245.0	2.8	38.1	100	80.0	1.30	**1.57**	36.0	**0.155**			**0.0155**		0.868	0.1150	10.5	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/14/04	7.70	7.29	13.15		0.100	99.0	0.90	32.8	100	80.0	0.90	**1.57**	35.0	**0.155**			**0.0155**		0.669	**0.051**	11.7	**0.0025**	**0.0030**	**0.260**			**0.0155**
10/15/04	6.50	4.00	12.9		0.060		21.0	31.9	90.0	25.0	0.50	**3.50**	24.0	**0.600**			**0.0155**		1.40	**0.0155**	10.6	**0.0025**	**0.0025**	**0.280**			**0.0155**
05/03/05	6.07	1.71	13.68	98.2	0.050	168.2	1.05	17.7	45.0	47.5	1.10	**2.75**	12.0	0.430			0.0325		0.641	**0.031**	7.83	**0.00125**	**0.00125**	**0.870**			**0.0155**
06/01/05	6.71	8.32	11.51	97.9	0.063	102.3	0.83	25.1	65.0	50.0	1.10	**1.75**	20.0	0.330			0.0290		0.562	**0.0155**	7.40	**0.00125**	**0.00125**	**0.230**			0.103
07/10/05	8.66	10.85	9.05	81.8	0.087	-74.7	1.05	38.3	75.0	58.8	1.10	**0.785**	32.5	0.134			0.0685		0.420	**0.050**	7.65	**0.0025**	**0.00125**	**0.370**			**0.0155**
08/16/05	7.75	12.15	10.03	93.4	0.099	153.0	2.0	46.6	95.0	77.5	2.80	**3.25**	39.5	0.419			**0.0170**		0.489	**0.037**	13.3	**0.00125**	0.0058	**0.610**			0.256
09/12/05	6.92	7.87	11.09	93.3	0.065	92.8	1.12	29.0	75.0	58.8	1.50	**3.50**	23.0	0.235			**0.0160**		1.04	**0.0155**	8.00	**0.00125**	**0.00125**	**0.560**			**0.050**
10/27/05	6.71	0.91	11.67	81.8	0.074	121.3	0.78	31.6	75.0	35.0	0.62	**2.00**	25.0	0.436			**0.0071**		0.857	**0.0155**	10.1	**0.00125**	**0.0025**	**0.650**			**0.050**
02/10/06	7.18	0.24	13.09	90.1	0.081	28.1	0.89	36.9	95.0	61.2	**0.20**	**4.25**	30.0	0.368			**0.00165**		0.738	**0.034**	12.5	**0.0025**	**0.0025**	**0.0295**			**0.050**
03/16/06	6.73	0.48	11.01	76.6	0.054	53.5	0.70	40.0	90.0	50.0	**0.0775**	6.25	46.0	0.355			**0.0046**		0.715	**0.0155**	12.5	**0.00125**	**0.00125**	**0.155**			**0.0155**
05/22/06	5.56	0.00	7.53	51.5	0.029	-117.8	2.38	12.4	28.0	27.5	40.0	**4.50**	**9.00**	0.414	**0.0155**	0.414	0.0990	**0.0155**	0.881	**0.0155**	1.81	**0.00125**	**0.00125**	**0.410**			**0.050**
06/19/06	6.09	6.24	7.63	61.6	0.059	99.9	0.31	24.7	55.0	40.0	0.70	**2.00**	21.0	0.334	**0.0500**	0.287	0.0147	**0.0155**	0.637	**0.0370**	7.00	**0.00105**	**0.00075**	**0.155**			**0.0155**
07/23/06	7.29	8.97	6.41	55.4	0.077	108.6	0.80	36.6	80.0	63.7	0.50	**2.00**	30.0	0.105	**0.0155**	0.105	0.0125	**0.05**	0.437	**0.0620**	9.37	**0.00105**	**0.0025**	**0.155**			**0.0155**
08/15/06	7.49	8.28	8.05	68.3	0.066	182.0	0.45																				
08/16/06								31.6	60.0	67.5	9.03	**1.57**	25.0	0.171	**0.050**	0.134	0.0180	**0.0155**	0.348	**0.0600**	6.54	**0.00075**	**0.00075**	**0.155**			**0.0440**
09/15/06	6.53	7.35	9.55	79.6	0.062	114.7	0.50	25.8	60.0	67.5	1.30	**1.57**	20.0	0.184	**0.0155**	0.172	**0.0070**	**0.0155**	1.02	**0.0470**	7.62	**0.00075**	**0.0040**	**0.155**			**0.0155**
11/04/06	6.96	0.06	10.28	70.7	0.071	109.9	0.67	30.2	65.0	32.5	4.82	**1.57**	23.0	0.341	**0.0155**	0.328	0.0390	**0.0155**	0.762	**0.0155**	9.16	**0.00075**	**0.00075**	**0.155**			**0.0155**
12/13/06	6.49	0.71	10.6	73.9	0.076		0.63	28.3	75.0	57.5	**0.417**	**1.57**	26.0	0.309	**0.0155**	0.293	0.0120	**0.0155**	0.675	**0.0155**	10.8	**0.00075**	**0.0020**	**0.155**			**0.050**
02/20/07	7.16	0.42	11.01	76.3	0.069	60.3	0.89	38.5	80.0	56.3	1.51	**1.57**	32.0	0.333	**0.0155**	0.321	**0.00155**	**0.05**	0.688	**0.0310**	10.9	**0.00075**	**0.0048**	**0.155**			**0.0358**
03/16/07	7.85	0.09	11.86	81.6	0.082	172.5	1.34	40.0	80.0	73.8	**0.619**	**1.57**	36.0	0.394	**0.0155**	0.384	0.0240	**0.05**	0.656	**0.0320**	11.8	**0.00075**	**0.00075**	**0.155**			**0.0155**
04/21/07	6.91	0.41	10.63	73.6	0.048	105.2	1.1	34.4	70.0	62.5	2.68	**1.57**	29.0	0.289	**0.0155**	0.273	0.0140	**0.0155**	1.09	**0.0450**	7.45	**0.00075**	**0.00075**	**0.380**			**0.0155**
05/15/07	6.62	0.91	12.56	88.2	0.049	126.1	0.61	19.4	50.0	30.0	2.10	**1.57**	16.5	0.240			0.0157		0.687	**0.0370**	4.25	**0.00075**	**0.00075**	**0.155**			0.104
06/17/07	7.16	7.96	9.60	81.1	0.063	84.3	1.03	28.4	60.0	43.8	1.72	**3.25**	23.0	0.194			0.0169		0.532	**0.0710**	7.54	**0.00075**	**0.00075**	**0.155**	2.36		**0.0155**
07/13/07	6.75	9.08	8.09	70.0	0.070	89.5	2.16	30.4	70.0	63.8	6.30	**1.57**	28.9	**0.050**			0.0239		0.412	**0.0500**	7.44	**0.00075**	**0.00075**	**0.155**	2.45		**0.0155**
08/15/07	7.46	10.75	7.90	71.2	0.082	0.6	3.08	36.0	80.0	60.0	69.4	**1.57**	32.6	0.164			0.0307		0.356	**0.0320**	7.60	**0.00075**	**0.00075**	**0.155**	2.71		0.399
09/16/07	6.89	6.87	8.63	71.1	0.070	126.2	0.73	33.3	70.0	61.3	1.20	**1.57**	26.0	0.201			0.0116		0.612	**0.0340**	7.32	**0.00075**	**0.00075**	**0.155**		2.91	**0.0155**
10/14/07	6.00	0.98	15.55	109.5	0.063	235.0	0.45	25.3	60.0	46.3	1.22	**1.57**	20.2	0.410			**0.0050**		0.687	**0.0330**	8.12	**0.00075**	**0.00075**	**0.155**		1.51	**0.0155**
11/10/07	6.72	0.59	10.69	74.4	0.064	89.1	0.53	26.6	60.0	55.0	**0.150**	**1.57**	64.9	0.401			0.130		0.781	**0.0340**	8.09	**0.00075**	**0.00075**	**0.155**		1.89	**0.050**
12/09/07	6.67	0.69	15.6	112.3	0.070	128.6	0.47	30.5	68.6	50.0	0.98	**1.57**	23.3	0.445			**0.0093**		0.616	**0.038**	8.18	**0.00075**	**0.0025**	**0.155**		1.44	**0.0155**
01/23/08	5.49	0.24	11.31	78.1	0.083	123.5	1.15	35.9	89.2	58.8	1.21	**4.56**	28.3	0.389			0.0142		0.602	**0.0310**	10.6	**0.00075**	**0.00075**	**0.155**		1.42	**0.0155**
02/21/08	7.39	0.42	9.09	62.9	0.089	-2.7	10.2	37.8	92.1	76.3	10.6	19.6	33.3	0.296			0.0390		0.462	**0.0360**	10.9	**0.00075**	**0.0025**	**0.155**		1.25	**0.0155**
03/16/08	7.05	0.36	10.32	71.3	0.093	239.7	0.70	35.4	93.7	73.8	**0.17**	**5.88**	34.6	0.349			0.0105		0.574	**0.0430**	10.8	**0.00075**	**0.00075**	**0.155**		1.23	**0.0155**
03/27/08	7.88	0.42	12.58	87.0	0.106	254.9																					
04/18/08	7.40	0.43	11.73	81.3	0.100	171.9	0.91	42.0	101	67.5	**0.1565**	**3.70**	37.8	0.345			0.0193		0.568	**0.0350**	10.8	**0.0025**	**0.00075**	**0.155**		1.36	**0.0155**
05/28/08	8.11	3.06	11.34	84.5	0.045	139.6	1.07	19.2	44.9	52.5	4.90	**3.46**	14.8	0.583			0.0150		0.621	**0.0155**	4.13	**0.00075**	**0.00075**	**0.390**		2.75	**0.0861**
Mean	6.96	4.3	10.87	79.6	0.071	113.0	2	30.9	73.0	57.3	4.70	2.90	28.0	0.311	0.0224	0.271	0.0234	0.0259	0.680	0.0390	8.73	0.00120	0.0017	0.227	NA	1.94	0.0451
Median	6.91	1.71	11.01	78.9	0.07	109.0	0.90	31.6	73.0	59.4	1.20	1.57	26.0	0.334	0.0155	0.290	0.0155	0.0155	0.649	0.0360	8.15	0.00090	0.0013	0.155	NA	1.70	0.0155
St. Deviation	0.66	4.5	2.09	13.8	0.017	98.0	3.7	7.50	17.0	14.6	12.6	3.08	10.0	0.133	0.0145	0.103	0.0254	0.0167	0.219	0.0200	2.51	0.00070	0.0013	0.183	NA	0.65	0.0736
# of values	39	39	39	32	39	36	37	38	38	38	38	38	38	38	10	10	38	10	38	38	38	38	38	38	0	12	38
Minimum	5.49	0.00	6.41	51.5	0.029	-117.8	0.31	12.4	28.0	25.0	0.0775	0.785	9.00	0.050	0.0155	0.105	0.00155	0.0155	0.348	0.0155	1.81	0.00075	0.00075	0.0295	NA	1.23	0.0155
Maximum	8.66	15.85	15.6	112.3	0.106	429	21.0	46.6	101	80.0	69.4	19.6	64.9	0.600	0.0500	0.414	0.130	0.0500	1.40	0.115	13.3	0.0039	0.0058	0.870	NA	2.91	0.399
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	55%	0%	11%	100%	0%	24%	100%	0%	32%	0%	97%	84%	71%		0%	82%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	15	1	1	0	0	7	0	0	25	0	1	4	11		0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.96
Drinking Water Standards (DWS)[2]	6.5 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	18%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	NA	0%	0%
% of DWS exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK133A																														
Sample Date																														
05/01/04	61.7	**12.5**	3.44		**0.125**	**0.125**	5.37	4.89	**0.0075**	**0.0159**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0332**	**0.0155**	6790	6510	0.236	0.225	**0.0694**		1.14	0.936	237	108	**0.100**	**0.050**	1600	1520
05/19/04	44.2	**12.5**	2.16	**0.100**	**0.125**	**0.125**	5.06	3.44	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0337**	**0.0155**	5470	5000	0.260	**0.0500**	**0.0837**		0.696	0.569	147	80.6	**0.050**	**0.050**	1200	1190
06/16/04	38.1	**12.5**	**0.129**		**0.125**	**0.125**	4.42	4.41	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7840	8220	**0.0500**	0.215	**0.050**		0.914	0.635	199	154	**0.050**	**0.050**	1790	1870
07/13/04	31.0	**12.5**	**0.10**		**0.356**	0.727	6.23	5.99	**0.0227**	0.0493	**0.750**	**0.750**	**1.55**	**1.55**	**0.050**		9940	10000	**0.100**		**0.050**		0.894	0.966	199	129	**0.050**	**0.050**	2100	2150
08/26/04	32.0	**12.5**	**0.10**	**0.0385**	**0.125**	**0.125**	7.71	7.14	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	11300	11000	**0.181**	0.209	**0.050**		0.800	0.625	323	218	**0.050**	**0.050**	2430	2370
09/14/04	**12.5**	**12.5**	**0.0385**	**0.0985**	**0.125**	**0.125**	5.99	6.07	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9200		**0.0500**	0.238	**0.050**		0.436	0.525	330	213	**0.050**	**0.050**	2400	2490
10/15/04	25.4	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	5.94	5.87	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9370	8260	**0.0500**	0.206	**0.050**		0.743		160	97.3	**0.050**	**0.050**	2060	1890
05/03/05	47.0	24.7	**0.00405**	**0.010**	0.156	0.116	5.40	4.77	**0.00327**	**0.001495**	**0.003835**	**0.003835**	1.78	2.30	**0.0116**	**0.0100**	4920	5050	**0.03565**	**0.03565**	0.0797	0.0667	0.706	0.655	369	182	**0.035**		1320	1370
06/01/05	48.2	16.7	0.0204	0.0216	**0.125**	**0.125**	5.32	4.81	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.025**	**0.00775**	7450	7000	**0.0310**	**0.100**	0.0554	0.0346	0.728	0.599	192	75.4	**0.050**		1580	1560
07/10/05	47.8	15.3	**0.00155**		**0.125**	**0.125**	6.75	5.79	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	11100	10900	0.392	0.276	0.0596	0.0496	0.774	0.656	454	221	**0.0155**	**0.050**	2550	2530
08/16/05	66.9	12.6	3.28	0.0634	**0.125**	**0.125**	7.39	6.46	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	13700	13200	0.437	0.614	0.099	0.0568	0.870	0.660	649	165	**0.050**		2990	2820
09/12/05	68.7	29.3	0.0292	0.023	**0.125**	**0.125**	6.87	6.60	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	8460	8340	0.833	0.935	0.103	0.0802	1.30	1.20	330	142	**0.050**		1900	1860
10/27/05	32.0	12.0	0.0412	0.0304	**0.125**	**0.125**	5.66	5.49	**0.0075**	**0.0075**	**0.009**	**0.0064**	**1.55**	**1.55**	**0.00775**	**0.00775**	9070	9160	0.397	0.516	0.0652	0.0562	0.569	0.506	186	86.3	**0.0155**	**0.0155**	2160	2140
02/10/06	18.5	5.08	**0.028**	**0.0224**	**0.155**	**0.155**	6.56	6.06	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.75**	**0.0125**	**0.0125**	10600	10300	0.428	0.276	0.063	0.0558	0.491	0.405	143	37.7	**0.025**		2510	2330
03/16/06	9.94	4.79	**0.025**	**0.025**	0.646	**0.473**	5.94	5.48	**0.012**	**0.0120**	**0.0075**	**0.0250**	**0.750**	**0.75**	**0.0125**	**0.0125**	11700	11000	0.287	0.234	0.0454	0.0428	0.534	0.391	130	47.7	1.28	0.230	2620	2520
05/22/06	951	18.8	**0.0250**	**0.0075**	0.542	**0.155**	12.3	3.10	0.0304	**0.0120**	**0.0184**	**0.0075**	**0.750**	**0.75**	0.115	**0.0125**	3410	2860	0.940	0.253	0.565	0.0538	3.61	0.684	2050	117	0.675	0.283	936	730
06/19/06	32.7	19.8	**0.0264**	**0.0224**	**0.155**	**0.155**	5.17	5.01	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.75**	**0.0125**	**0.0125**	7310	7370	0.485		0.0586	0.0548	1.27	1.01	180	106	7.95	0.375	1570	1600
07/23/06	21.8	15.0	**0.0222**	**0.0230**	**0.155**	**0.155**	6.63	6.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10800	10400	0.573	0.639	0.0560	0.0594	0.595	0.607	317	160	**0.050**		2360	2390
08/15/06																														
08/16/06	196	24.6	**0.0075**	**0.0150**	**0.155**	**0.155**	8.53	6.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9190	8970	0.506	0.470	0.183	0.0672	1.54	1.04	573	171	0.286	0.123	2110	2100
09/15/06	40.1	19.0	**0.0075**	**0.0075**	**0.155**	**0.155**	5.62	5.26	**0.0125**	**0.0125**	**0.0250**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	7410	6980	0.247	**0.0500**	0.0536	0.0386	0.918	0.885	209	117	0.303	0.291	1770	1710
11/04/06	117	8.61	**0.0075**	**0.0075**	**0.155**	**0.155**	7.65	6.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8840	8780	**0.0500**	**0.0500**	0.120	0.0534	0.997	0.706	333	46.7	1.08	0.102	1980	2000
12/13/06	12.9	7.83	**0.0075**	**0.0240**	**0.155**	**0.155**	5.54		**0.0125**	**0.0125**	**0.0075**	**0.0204**	**1.25**	**1.25**	**0.0185**	**0.0185**	8150	9530	**0.0500**	**0.0500**	0.0392	0.0342	0.439	0.477	123	44.0	0.101	**0.050**	1930	
02/20/07	23.6	5.85	**0.0250**	**0.0250**	**0.155**	**0.155**	6.41	6.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11400	11400	**0.0500**		0.0478	0.0478	0.506	0.485	165	49.5	0.193	**0.0155**	2450	2490
03/16/07	15.6	5.92	**0.0250**	**0.0250**	**0.155**	**0.155**	8.57	6.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0168**	**0.0075**	11800	11600	**0.0500**		0.0388		0.407		180	55.7	0.419	**0.050**	2580	2640
04/21/07	50.5	14.9	**0.0174**	**0.0248**	**0.155**	**0.155**	6.97	6.90	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0224**	**0.0200**	10000	9860	0.419	0.479	0.0608		1.37		330	208	**0.0634**	**0.0546**	2280	2300
05/15/07	61.8	16.0	0.0960	**0.0075**	**0.155**	**0.155**	5.22	4.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.144	**0.0075**	5620	5530	0.216	0.292	0.0616	0.0804	0.848		306	166	1.51	**0.050**	1300	1280
06/17/07	79.7	15.0	**0.0250**	**0.0250**	**0.360**	**0.155**	6.50	5.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0204**	**0.0075**	8240	7690	0.266	0.248	0.0816	0.0462	0.843	0.715	516	274	**0.050**	**0.050**	1900	1830
07/13/07	122	12.6	**0.0250**	**0.0250**	**0.155**	**0.155**	7.52	6.01	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0220**	**0.0075**	8920	9260	0.258	0.267	0.137	0.0482	0.942	0.579	819	205	**0.050**	**0.050**	1980	2130
08/15/07	287	13.9	**0.0242**	**0.0258**	**0.390**	**0.155**	8.39	5.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0366**	**0.0075**	10600	10400	0.408	**0.149**	0.183	0.0412	1.52	0.541	819	226	0.217	**0.0155**	2310	2240
09/16/07	29.5	17.0	**0.0170**	**0.0238**	**0.410**	**0.155**	6.71	6.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0160**	**0.0075**	9970	9940	0.314	**0.100**	0.0576	0.0474	0.725	0.705	303	172	**0.0155**	**0.0155**	2030	2040
10/14/07	35.6	16.2	**0.0214**	**0.0236**	**0.155**	**0.155**	5.49	5.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0224**	**0.0075**	7480	7910	0.416	0.378	0.0444	0.0392	0.596	0.619	154	84.0	**0.050**	**0.050**	1610	1720
11/10/07	19.0	12.4	**0.0186**	**0.0276**	**0.155**	**0.155**	4.98		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0166**	**0.0200**	7870	9160	**0.0500**	0.231	0.0318	0.0326	0.542	0.654	116	75.1	**0.0155**	**0.0155**	1700	1900
12/09/07	19.0	10.7	**0.0075**	**0.034**	**0.155**	**0.155**	5.44	6.36	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0156**	**0.0075**	9000	9680	0.213	0.319	0.0534	0.0328	0.444	0.525	122	73.2	**0.0155**	**0.050**	1950	2150
01/23/08	75.9	7.49	**0.0194**	**0.0190**	**0.155**	**0.155**	6.48	5.82	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0150**	**0.0075**	10600	10400	0.442	0.405	0.0468	0.0274	0.653	0.738	183	74.1	**0.050**	**0.050**	2280	2300
02/21/08	393	17.7	**0.0250**	**0.0250**	**0.155**	**0.155**	9.02	6.72	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0250**	**0.0250**	11100	11600	0.633	0.393	0.111	0.106	2.04	1.39	298	72.3	0.188	**0.050**	2480	2560
03/16/08	11.6	5.55	**0.0170**	**0.0308**	**0.155**	**0.155**	6.00	6.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10500	10900	**0.0500**	**0.0500**	0.0294	0.0254	0.423	0.373	143	74.2	**0.0155**	**0.0155**	2250	2320
03/27/08																														
04/18/08	18.1	8.28	**0.0075**	**0.0075**	**0.155**	**0.155**	7.40	8.48	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12200	12800	0.411	0.391	0.0317	0.0327	0.425		168	98.5	**0.0155**	**0.050**	2810	2930
05/28/08	97.5	19.3	**0.0075**	**0.0075**	**0.155**	**0.155**	5.52	4.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0264**	**0.0185**	5620	5410	0.215	**0.0500**	0.0607	0.0312	0.923	0.741	271	70.8	**0.050**	**0.0155**	1260	1210
Mean	86.7	13.7	0.261	0.028	0.193	0.169	6.54	5.84	0.0115	0.0119	0.1443	0.1448	1.49	1.41	0.0240	0.0124	9020	8980	0.290	0.276	0.0823	0.0497	0.899	0.691	335	124	0.4022	0.077	2030	2030
Median	39.1	12.6	0.025	0.024	0.155	0.155	6.32	5.97	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0167	0.0125	9130	9260	0.259	0.243	0.0581	0.0478	0.759	0.654	223	107	0.0500	0.050	2050	2130
St. Deviation	163	5.60	0.818	0.021	0.122	0.108	1.48	1.06	0.0045	0.0068	0.2917	0.2915	0.870	0.660	0.0270	0.0052	2240	2320	0.225	0.201	0.0883	0.0180	0.581	0.229	337	63.0	1.306	0.089	470.0	490.0
# of values	38	38	38	34	38	38	38	36	38	38	38	38	38	38	38	37	38	37	38	34	38	29	38	33	38	38	38	32	38	37
Minimum	9.94	4.79	0.00155	0.0075	0.125	0.116	4.42	3.10	0.00327	0.001495	0.00155	0.00155	0.750	0.750	0.0075	0.0075	3410	2860	0.031	0.03565	0.0294	0.0254	0.407	0.373	116	37.7	0.0155	0.0155	936	730
Maximum	951	29.3	3.44	0.100	0.646	0.727	12.3	8.48	0.0304	0.0493	0.750	0.750	5.00	5.00	0.144	0.025	13700	13200	0.940	0.935	0.565	0.106	3.61	1.39	2050	274	7.95	0.375	2990	2930
% of values undetected	3%	18%	53%	47%	82%	92%	0%	0%	92%	95%	95%	95%	97%	97%	58%	92%	0%	0%	32%	26%	13%	0%	0%	0%	0%	0%	66%	78%	0%	0%
# of values between MDL and PQL	0	0	11	14	4	1	0	0	2	1	2	2	0	0	14	3	0	0	1	1	2	0	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.077	0.076	NA	NA	10.98	10.56276	NA	NA	2.203	2.114	1000	1000	0.370	0.384	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	3%	0%	3%	0%	16%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK133A																									
Sample Date																									
05/01/04	20.5	15.3	0.0021		**0.330**	**0.462**	0.810	0.753	484	470	**0.155**	**0.155**	3920	**0.00310**	**0.00310**	1670	1600	**0.0125**	**0.0125**	**0.427**	**0.381**	**0.319**	0.632	8.63	7.23
05/19/04	8.61	7.99	0.0022		**0.362**	**0.155**	0.253	0.362	453	415	**0.327**	**0.155**	3950	**0.00310**	**0.00310**	1320	1380	0.0681	**0.0125**	1.12	**0.155**	**0.125**	**0.125**	3.30	2.85
06/16/04	11.3	13.0	**0.0007**		**0.348**	**0.323**	0.288	0.429	425	445	**0.155**	**0.155**	4850	**0.00310**	**0.00310**	1880	1960	**0.0125**	**0.0125**	**0.531**	**0.839**	0.480	**0.281**	2.78	3.00
07/13/04	17.7	15.2	**0.0005**		**0.794**	1.74	0.526		505	510	**0.547**	**0.671**	6110	**0.0031**	**0.0031**	2000	2020	**0.0125**	**0.0125**	**0.155**		0.465		3.29	
08/26/04	22.1	20.3	0.0015		**0.586**	**0.155**	0.423	0.418	731	726	**0.155**	**0.155**	6790	**0.0031**	**0.0031**	2170	2010	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.376**	**0.371**	1.70	**0.750**
09/14/04	14.2	14.2	**0.0005**		**0.470**	**0.59**	0.287		561	602	**0.155**	**0.155**	6300	**0.0031**	**0.0031**	2140	2280	**0.0125**	**0.0125**	**0.155**	**0.155**	0.482	**0.125**	**0.750**	2.07
10/15/04	14.5	14.2	0.0012		**0.155**	**0.155**	0.324		639	557	**0.155**	**0.155**	5580	**0.0031**	**0.0031**	1840	1800	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.301**	18.7	
05/03/05	56.2	45.1	**0.00158**		0.186	0.198	0.129		432	435	0.135	0.128	3510	**0.0050**	**0.001435**	1600	1730	**0.002125**	**0.002125**	**0.100**	**0.0302**	0.175	0.104	3.03	
06/01/05	14.0	7.94	**0.000450**		0.264	0.244	0.413		518	491	**0.0775**	**0.0775**	4520	**0.0031**	**0.0031**	1720	1780	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	**0.100**	2.77	3.17
07/10/05	45.5	31.4	**0.0025**		0.400	0.471	0.405		469	468	**0.0775**	**0.0775**	5330	**0.0031**	**0.0031**	2330	2320	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.390**	**0.100**	22.5	3.69
08/16/05	40.9	26.1	**0.0025**		0.670	0.621	0.660		597	583	**0.0775**	**0.0775**	6230	**0.0031**	**0.0031**	2510	2380	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.299**	**0.293**	8.12	4.46
09/12/05	25.8	14.6	**0.0025**		0.211	0.211	0.501		738	749	**0.0775**	**0.0775**	5500	**0.0031**	**0.0031**	1780	1780	**0.0031**	**0.0031**	**0.031**		**0.100**	**0.100**	4.48	4.00
10/27/05	18.6	15.6	**0.00103**		0.391	0.257	0.419	0.453	491	501	**0.181**	**0.0775**	6530	**0.0031**	**0.0031**	2110	2080	**0.0031**	**0.0031**	**0.031**	**0.031**	0.461	**0.207**	3.20	2.80
02/10/06	20.5	17.8	**0.00250**		0.394	0.400	0.675		553	539	**0.155**	**0.155**	6450	**0.0031**	**0.0031**	2290	2160	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.74	2.90
03/16/06	8.35	7.04	**0.000475**		0.403	0.416	0.356		600	518	**0.429**	**0.155**	5740	**0.0031**	**0.0031**	2340	2240	**0.0025**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	4.85	4.20
05/22/06	168	27.2	0.00656		0.283	0.0996	0.645	0.453	831	757	**0.155**	**0.155**	1430	**0.0031**	**0.0031**	798	726	**0.0058**	**0.0025**	**0.0155**	**0.0155**	2.30	**0.110**	14.8	5.46
06/19/06	14.4	10.9	**0.00250**		0.236	0.245	**0.140**		471	495	**0.155**	**0.155**	4920	**0.0031**	**0.0031**	1790	1850	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.250**	0.562	4.85	3.52
07/23/06	21.5	17.3	**0.00141**		0.443	0.433	0.384		431	426	**0.155**	**0.155**	5930	**0.0031**	**0.0031**	2260	2350	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.70	
08/15/06																									
08/16/06	48.6	16.2	**0.00250**		0.318	0.328	0.467	0.613	464	462	**0.155**	**0.155**	5940	**0.0031**	**0.0031**	1990	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	4.92	2.49
09/15/06	14.4	8.94	**0.000475**		0.241	0.228	0.233	0.397	542	502	**0.155**	**0.155**	4940	**0.0031**	**0.0031**	1780	1740	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.66	2.73
11/04/06	53.4	35.8	**0.00103**		0.278	0.257	0.317	0.286	465	459	**0.155**	**0.155**	5790	**0.0080**	**0.0031**	1990	2090	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.856**	**0.831**	4.92	4.33
12/13/06	13.2	10.7	**0.000475**		0.287		0.356	0.338	417		**0.155**	**0.155**	5450	**0.0031**	**0.0031**	1880		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.99	
02/20/07	12.3	9.69	**0.000169**		0.466	0.448	0.551	0.562	584	608	**0.155**	**0.155**	6200	**0.0031**	**0.0031**	2260	2290	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.47	3.79
03/16/07	12.0	11.4	**0.000169**		0.524	0.478	0.423		549	630	**0.155**	**0.155**	6060	**0.0031**	**0.0031**	2200	2410	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.69	
04/21/07	26.7	30.2	**0.00130**		0.431	0.409	0.379		1090	1070	**0.155**	**0.155**	5110	**0.0031**	**0.0031**	2100	2100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.54	
05/15/07	27.3	20.3	**0.000169**		0.276	0.263	0.371		805	795	**0.155**	**0.155**	3220	**0.0031**	**0.0031**	1250	1220	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.49	3.80
06/17/07	38.1	22.9	**0.000169**		0.588	0.535	0.312	0.371	517	504	**0.155**	**0.155**	4860	**0.0031**	**0.0031**	2020	1950	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.666**	**0.320**	4.93	1.69
07/13/07	62.5	16.1	**0.00250**		0.464	0.468	0.407	0.468	389	413	**0.155**	**0.155**	5320	**0.0031**	**0.0031**	1890	2070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.415**	**0.155**	3.90	1.61
08/15/07	49.6	13.3	**0.00250**		0.534	0.510	0.425	0.301	486	465	**0.155**	**0.155**	5450	**0.0031**	**0.0031**	2200	2150	**0.0050**	**0.0050**	**0.050**	**0.050**	1.15	**0.339**	4.77	1.27
09/16/07	27.8	21.6	**0.00250**		0.377	0.381	0.261	0.370	577	609	**0.155**	**0.155**	5910	**0.0031**	**0.0031**	2000	2070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.326**	**0.155**	2.49	2.60
10/14/07	15.8	12.3	**0.000704**		0.237	0.268	0.281	0.384	424	469	**0.155**	**0.155**	5800	**0.0031**	**0.0031**	1650	1780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.89	2.74
11/10/07	12.0	10.7	**0.00250**		0.275	0.308	0.243		423		**0.155**	**0.155**	6010	**0.0031**	**0.0031**	1810	2070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.93	1.56
12/09/07	11.5	9.54	**0.000699**		0.313	0.359	0.349	0.489	446	515	**0.155**	**0.155**	6300	**0.0031**	**0.0031**	1980	2200	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.11	1.77
01/23/08	11.5	8.13	**0.00075**		0.378	0.357	0.263	0.391	516	521	**0.155**	**0.155**	6640	**0.0031**	**0.0031**	2120	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.88	2.31
02/21/08	12.0	10.8	**0.00075**		0.423	0.418	0.413		578	589	**0.155**	**0.155**	6840	**0.0031**	**0.0031**	2190	2300	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.840**	**0.155**	2.96	
03/16/08	8.75	7.02	**0.00075**		0.485	0.373	0.382	0.408	467	522	**0.155**	**0.155**	5690	**0.0031**	**0.0031**	2060	2110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.34	2.50
03/27/08																									
04/18/08	9.46	8.26	**0.00075**		0.317	0.342	0.430		581	634	**0.155**	**0.155**	6760	**0.0031**	**0.0031**	2430	2540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.29	
05/28/08	21.1	6.36	0.00555		**0.0075**		0.230	0.259	591	535	**0.155**	**0.155**	3460	**0.0031**	**0.0031**	1330	1320	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.73	2.74
Mean	27.1	16.1	0.0016	NA	0.372	0.386	0.388	0.425	548	555	0.169	0.158	5400	0.0033	0.0031	1940	1980	0.0073	0.0059	0.107	0.086	0.361	0.224	4.74	3.04
Median	18.2	14.2	0.0011	NA	0.370	0.358	0.381	0.403	517	517	0.155	0.155	5720	0.0031	0.0031	2000	2070	0.0050	0.0050	0.050	0.050	0.250	0.155	3.25	2.80
St. Deviation	27.9	8.70	0.0014	NA	0.149	0.265	0.145	0.115	139	132	0.0860	0.0900	1160	0.00080	0.00030	350.0	370.0	0.0106	0.0033	0.198	0.145	0.399	0.158	4.51	1.33
# of values	38	38	38	0	38	36	38	20	38	36	38	38	38	38	38	38	37	38	38	38	36	38	37	38	29
Minimum	8.35	6.36	0.000169	NA	0.0075	0.0996	0.129	0.259	389	413	0.0775	0.0775	1430	0.0031	0.001435	798	726	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.750	0.750
Maximum	168	45.1	0.00656	NA	0.794	1.74	0.810	0.753	1090	1070	0.547	0.671	6840	0.008	0.0031	2510	2540	0.0681	0.0125	1.12	0.839	2.30	0.831	22.5	7.23
% of values undetected	0%	0%	63%		5%	8%	0%	0%	0%	0%	87%	95%	0%	97%	100%	0%	0%	95%	100%	92%	94%	58%	70%	3%	3%
# of values between MDL and PQL	0	0	8		6	3	1	0	0	0	4	1	0	1	0	0	0	1	0	2	2	9	8	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	12.49	12.46	NA	NA	5	4.6	NA	0.2220858	0.189	NA	NA	NA	NA	NA	NA	NA	NA	28.63	28.23
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	11%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate/ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SK134A																											
Sample Date																											
05/01/04	6.58	-0.18	12.05		0.047		6.58	18.2	60.0	33.8	2.60	**1.57**	14.0	0.184			**0.0155**		0.822	**0.050**	6.44	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/18/04	6.69	3.81	11.08		0.055	377.0	2.2	16.2	48.0	42.5	2.00	**1.57**	13.5	**0.0650**			**0.0155**		0.588	**0.0530**	7.28	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/16/04	6.88	9.27	10.15		0.093	5.0	1.2	31.1	90.0	67.5	2.10	**1.57**	22.0				**0.0155**		0.494	**0.0600**	21.7	**0.0026**	**0.00470**	**0.065**			**0.0155**
07/13/04	6.27	15.71	9.99		0.098	-3.0		40.7	100	80.0	1.70	**1.57**	30.0	6.740			**0.0424**		0.535	**0.081**	21.9			**0.065**			**0.0155**
08/26/04	7.43	12.60	11.38		0.115	235.0	2.5	39.4	110	85.0	1.60	**1.57**	35.5	**0.155**			**0.0155**		0.830	**0.068**	17.1	**0.00125**	**0.00125**	**0.170**			**0.0155**
09/14/04	7.14	6.41	12.69		0.117	107.0	0.70	36.0	110	83.8	1.00	**1.57**	32.8	**0.720**			**0.0155**		0.733	**0.098**	20.8	**0.0025**	**0.0030**	**0.200**			**0.0155**
10/16/04	6.31	3.60	12.89		0.091			30.9	95.0	76.3	2.05	**1.57**	21.5	**0.890**			**0.0155**		1.120	**0.0155**	17.2	**0.00125**	**0.00125**	**0.290**			**0.050**
01/29/05	6.45	0.15	12.82		0.117	117.0	9.8	40.3	110	53.8	**0.40**	**0.785**	28.0	0.260			0.0607		0.723	**0.055**	23.1	**0.00125**	**0.00125**	**0.130**			**0.0155**
03/20/05	7.11	0.25	13.0	88.9	0.124	109.0	10.4	47.0	110	66.3	**0.30**	5.00	29.5	0.220			0.0857		0.804	**0.062**	24.2	**0.00125**	**0.00125**	**0.150**			0.102
05/03/05	5.90	1.15	13.53	95.7	0.050	150.5	1.09	18.2	48.0	38.8	2.60	**2.40**	14.0	0.230			0.0434		0.670	**0.0155**	6.30	**0.00125**	**0.00125**	**0.660**			**0.034**
06/01/05	6.68	10.97	10.43	94.5	0.085	74.3	1.0	29.4	80.0	60.0	2.00	**2.38**	15.5	**0.060**			0.0443		0.581	**0.046**	19.2	**0.00125**	**0.00125**	**0.260**			**0.050**
07/10/05	7.62	11.89	7.93	73.4	0.115	-68.2	2.66	44.2	110	76.3	2.60	**2.13**	30.5	0.140			0.0760		0.505	**0.050**	21.4	**0.0025**	**0.0025**	**0.360**			**0.0155**
08/16/05	7.34	12.24	8.86	82.6	0.120	31.4	1.0	43.0	115	85.0	1.00	**1.57**	33.0	**0.0715**			0.0200		0.564	**0.059**	23.9	**0.0025**	**0.0030**	**0.380**			**0.0155**
09/13/05	6.76	8.54	10.74	91.8	0.081	66.0	2.81	31.6	85.0	58.8	1.70	**1.75**	23.5	0.228			**0.0170**		0.972	**0.043**	14.2	**0.00125**	**0.0025**	**0.460**			**0.044**
10/28/05	6.78	0.95	13.09	92.1	0.103	95.8	0.82	39.4	105	57.5	0.92	**2.38**	23.5	0.304			**0.0130**		0.947	**0.044**	24.1	**0.00125**	**0.00125**	**0.240**			**0.050**
01/18/06	6.79	0.04	9.92	68.1	0.060	129.1	0.95	49.9	110	57.5	0.80	**2.75**	29.5	0.210			**0.00165**		0.816	**0.057**	26.5	**0.00125**	**0.00125**	**0.280**			**0.050**
02/10/06	7.08	0.24	12.98	89.3	0.120	-34.6	1.62	45.8	125	78.8	0.64	**2.75**	28.0	0.179			**0.0190**		0.793	**0.046**	28.8	**0.00125**	**0.00125**	**0.0295**			0.138
03/16/06	6.92	0.38	11.35	78.5	0.069	-6.7	1.1	49.0	120	60.0	0.61	**4.75**	34.0	0.222			**0.0086**		0.760	**0.032**	27.1	**0.00125**	**0.00125**	**0.155**			**0.0155**
05/22/06	5.13	0.15	7.59	52.1	0.033	173.8	6.46	13.8	32.5	28.7	39.8	**4.50**	16.0	0.122	**0.0155**	0.122	0.1450		0.759	**0.0155**	3.59	**0.00125**	**0.00125**	**0.480**			**0.050**
06/19/06	6.20	8.74	6.86	59.0	0.078	76.6	0.63	30.0	75.0	57.5	2.04	**2.75**	16.0	0.339	**0.0500**	0.295	0.0210	**0.0155**	0.584	**0.0630**	16.0	0.0580	0.0430	**0.350**			**0.0890**
07/22/06	7.07	11.30	6.16	56.4	0.103	37	0.67	40.3	100	78.7	1.03	**2.50**	25.0	**0.0645**	**0.0155**	**0.0645**	0.0150	**0.0155**	0.453	**0.0910**	23.7	**0.00105**	**0.0025**	**0.155**			**0.0710**
08/15/06	8.17	8.95	7.34	63.3	0.064	120.1	1.02	26.9	60.0	57.5	4.20	**1.57**	20.0	**0.0770**	**0.0155**	**0.0675**	0.0260	**0.05**	0.318	**0.0690**	11.1	**0.00075**	**0.00075**	**0.340**			**0.0310**
09/15/06	6.63	7.97	9.01	76.0	0.075	71.9	1.39	31.3	75.0	65.0	1.90	**1.57**	15.0	0.160	**0.0155**	0.148	0.0180	**0.0155**	0.971	**0.0530**	15.4	**0.00075**	**0.0040**	**0.410**			**0.0155**
11/01/06	6.67	0.30	8.26	57.0	0.098	71.5	0.63	38.1	95.0	71.3	1.00	**1.57**	14.0	0.152	**0.0155**	0.144	0.0180	**0.05**	0.775	**0.0775**	21.5	**0.00075**	**0.00075**	**0.155**			**0.050**
12/14/06	6.77	0.39	11.34	78.5	0.115		0.98	40.4	95.0	76.2	**2.00**	**1.57**	23.0	0.174	**0.0155**	0.174	0.0420		0.705	**0.0460**	26.4	**0.00075**	**0.00075**	**0.155**			**0.0155**
02/20/07	6.27	0.25	9.26	63.1	0.113	143.0	1.09	44.6	100	73.8	1.84	**1.57**	34.0	0.191	**0.0155**	0.176	**0.0060**	**0.0155**	0.682	**0.0480**	23.1	**0.00075**	**0.00075**	**0.155**			**0.0348**
03/16/07	7.55	0.32	11.5	80.2	0.120	61.0	0.81	42.2	110	87.5	**0.400**	**5.50**	32.0	0.229	**0.0155**	0.211	0.0260	**0.05**	0.697	**0.0470**	26.1	**0.00075**	**0.00075**	**0.155**			**0.0155**
04/21/07	6.78	0.18	11.69	80.5	0.069	103.0	1.33	25.7	55.0	60.0	2.65	**1.57**	22.0	0.127	**0.0155**	0.108	0.0250	**0.05**	1.050	**0.0490**	10.6	**0.00075**	**0.00075**	**0.520**			**0.0155**
05/10/07	6.58	2.46	13.05	95.7	0.044	102.9	2.05	22.6	50.0	26.3	10.1	**5.50**	16.0	0.141			0.0372		0.631	**0.0450**	7.16	**0.00075**	**0.00075**	**0.320**			**0.0155**
06/17/07	7.19	9.53	8.85	77.7	0.090	31.6	2.46	34.4	90.0	67.5	2.40	**1.57**	23.0	**0.0720**			0.0240		0.542	**0.0850**	20.3	**0.00075**	**0.00075**	**0.155**		2.33	**0.0155**
07/13/07	6.90	9.42	7.86	68.8	0.098	39.0	2.45	37.7	95.0	76.3	8.80	**3.50**	26.0	0.421			0.0656		0.426	**0.0700**	19.2	**0.00075**	**0.00075**	**0.155**		2.75	**0.0155**
08/16/07	7.24	8.80	9.39	80.9	0.104	37.0	1.46	44.6	105	72.5	0.90	**1.57**	30.0	**0.0885**			0.0199		0.389	**0.0490**	20.0	**0.00075**	**0.00075**	**0.155**		2.69	**0.0802**
09/16/07	6.84	6.54	8.47	69.1	0.080	68.3	1.01	34.3	80.0	72.5	0.90	**1.57**	24.5	0.106			0.0216		0.583	**0.0450**	13.9	**0.00075**	**0.00075**	**0.155**		3.16	**0.0155**
10/14/07	6.68	0.81	14.77	103.3	0.093	176.0	0.54	36.3	90.0	67.5	0.83	**1.57**	17.4	0.140			0.0843		0.711	**0.0380**	22.1	**0.00075**	**0.00075**	**0.155**		1.58	**0.0155**
11/10/07	6.86	0.66	10.75	75.0	0.088	68.6	0.57	31.7	80.0	48.8	1.00	**1.57**	20.1	0.179			0.0207		0.750	**0.0440**	19.1	**0.00075**	**0.00075**	**0.155**		2.21	**0.0155**
12/10/07	7.60	0.62	12.01	83.7	0.093	86.5	1.17	37.1	357	68.8	1.00	**1.57**	22.5	0.197			0.0164		0.620	**0.044**	20.0	**0.00075**	**0.0025**	**0.155**		1.72	**0.0155**
01/23/08	6.21	0.01	10.76	74.0	0.110	91.3	1.59	42.7	117	35.0	**0.408**	**3.14**	25.3	0.215			0.0126		0.631	**0.0520**	24.7	**0.00075**	**0.00075**	**0.155**		1.31	**0.050**
03/16/08	7.39	0.56	11.26	78.2	0.114	87.9	0.94	41.2	121	83.8	**0.449**	**7.70**	32.4	0.430			0.0151		0.608	**0.0540**	23.8	**0.0032**	**0.00075**	**0.155**		1.37	**0.0357**
03/27/08	7.41	0.60	11.7	81.5	0.133	217.3																					
04/23/08	7.24	0.49	11.4	79.1	0.121	102.7	1.44	49.0	132	77.5	0.82	**3.42**	35.5	0.234			0.0157		0.654	**0.0510**	23.5	**0.00075**	**0.00075**	**0.155**		1.17	**0.0155**
05/29/08	6.48	1.11	10.37	73.3	0.043	130.3	1.43	16.0	44.4	31.3	3.11	**3.98**	13.5	0.236			0.0949		0.530	**0.066**	5.51	**0.00075**	**0.00075**	**0.310**		3.37	**0.0634**
06/15/08	6.09	5.90	7.81	62.6	0.060	106.6	0.82	24.1	60.6	53.8	3.78	**1.57**	13.5	0.201			0.0124		0.413	**0.041**	12.5	**0.00075**	**0.0025**	**0.155**		2.83	0.101
07/19/08	6.71	8.67	7.67	65.8	0.093	71.0	0.70	33.9	91.2	67.5	**0.313**	**1.57**	21.9	**0.0515**			0.0141		0.332	**0.053**	18.7	**0.0025**	**0.0025**	**0.155**		2.29	**0.050**
08/20/08	7.16	9.56	7.49	66.1	0.103	43.2	1.68	42.3	109	72.5	1.56	**1.57**	28.6	0.106			0.0226		0.525	0.2340	24.0	**0.0025**	**0.00075**	**0.155**		2.04	**0.050**
09/17/08	6.58	7.24	9.18	76.1	0.086	77.2	1.11	32.7	84.8	61.3	1.56	**3.32**	26.5	**0.094**			0.0178		0.268	**0.040**	14.5	**0.00075**	**0.00075**	**0.340**		3.16	**0.050**
10/17/08	6.16	0.47	9.46	65.7	0.090	135.8	0.77	38.5	93.6	57.5	1.03	**1.57**	22.3	0.119			**0.0044**		0.807	**0.052**	19.1	**0.00075**	**0.00075**	**0.155**		2.05	**0.0155**
11/20/08	6.93	0.05	11.42	78.2	0.108	88.8	1.41	41.5	117	67.5	1.37	**3.50**	23.3	0.224			0.0161		0.603	**0.038**	26.1	**0.00075**	**0.00075**	**0.440**		1.02	**0.050**
12/07/08	6.98	0.21	13.46	93.1	0.105	64.3	1.42	39.5	106	68.8	**0.851**	**1.57**	24.6	0.195			0.0140		0.607	**0.053**	22.3	**0.00075**	**0.00075**	**0.155**		1.44	**0.050**
Mean	6.82	4.00	10.4	76.7	0.091	90.4	2	35.4	97.0	63.7	2.70	2.46	23.9	0.347	0.0190	0.151	0.0297	0.0300	0.657	0.0560	18.8	0.00240	0.0023	0.230	NA		2.14	0.0379
Median	6.79	1.00	10.7	78.0	0.093	86.5	1.17	37.7	95.0	67.5	1.56	1.57	23.5	0.182	0.0155	0.146	0.0180	0.0300	0.631	0.0510	20.3	0.00090	0.0013	0.155	NA		2.13	0.031
St. Deviation	0.52	5.00	2.10	12.2	0.025	73.3	2	9.30	46.0	15.8	5.80	1.41	6.70	0.976	0.0109	0.069	0.0280	0.0200	0.187	0.0310	6.50	0.00840	0.0062	0.140	NA		0.74	0.0286
# of values	48	48	48	40	48	45	45	47	47	47	47	47	47	46	10	10	47	8	47	47	47	46	46	47	0		18	47
Minimum	5.13	-0.18	6.16	52.1	0.033	-68.2	0.54	13.8	32.5	26.3	0.30	0.785	13.5	0.0515	0.0155	0.0645	0.00165	0.0155	0.268	0.0155	3.59	0.00075	0.00075	0.0295	NA		1.02	0.0155
Maximum	8.17	15.71	14.77	103.3	0.133	377	10.4	49.9	357	87.5	39.8	7.7	35.5	6.74	0.0500	0.295	0.145	0.0500	1.12	0.234	28.8	0.0580	0.0430	0.660	NA		3.37	0.138
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%	0%	2%	100%	0%	15%	100%	0%	13%	0%	93%	87%	55%			0%	74%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	8	20	0	11	0	2	7	0	0	40	0	2	5	21			0	9
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA		NA	6.91
Drinking Water Standards (DWS)[2]	6.5 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA		NA	NA
% of CALC exceedences	23%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	NA		0%	0%
% of DWS exceedences	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA		0%	0%
# of CALC exceedences	11	0	2	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	1	0	NA		0	0

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK134A																														
Sample Date																														
05/01/04	57.6	37.1	**0.100**	**0.0385**	**0.125**	**0.125**	5.67	4.67	0.146	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	0.1490	**0.0155**	4820	4790	0.287	**0.187**	0.252	0.180	2.01	1.50	463	253	0.398	**0.050**	1490	1560
05/18/04	68.7	27.0	0.604	**0.0385**	**0.125**	**0.125**	5.05	4.55	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4450	4880	**0.100**	0.200	**0.0864**		1.31	1.09	351	217	**0.050**	**0.050**	1230	1350
06/16/04	34.3	**12.5**	**0.0385**	0.207	**0.125**	**0.125**	5.13	4.96	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8520	8810	**0.101**	**0.156**	**0.050**		1.01	0.870	375	193	**0.050**	0.218	2390	2500
07/13/04	43.4	**12.5**	0.388	**0.0385**	**0.294**	**0.298**	8.50	7.79	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	11000	11000	**0.100**	**0.100**	0.117		1.63	1.33	588	337	**0.050**	**0.050**	3190	3140
08/26/04	29.9	**12.5**	**0.0385**	**0.100**	**0.125**	**0.125**	7.46	6.40	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	11000	10300	0.241	**0.173**	0.107		1.41	1.11	496	230	**0.050**	**0.050**	2930	2940
09/14/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	6.18	5.86	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9410	11000	**0.144**	0.224	**0.050**	0.316	0.892	0.79	395	237	**0.050**	**0.050**	3050	3190
10/16/04	68.9	**12.5**	**0.0385**	0.210	**0.125**	**0.125**	6.46	5.99	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8660	7810	0.216	**0.100**	0.112		1.53	1.44	317	181	**0.050**	**0.050**	2260	2320
01/29/05	18.8	8.49	0.0216	0.017	**0.125**	**0.125**	6.91	6.71	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.0168**	11100	11100	0.521	0.519	0.0746	0.0686	0.916	0.830	363	201	**0.0362**	**0.0155**	3090	3040
03/20/05	6.56		0.0213	**0.0142**	0.162	0.161	8.45	8.03	**0.001495**	**0.001495**	**0.003835**	**0.003835**	2.10	1.57	**0.003095**	**0.003095**	12900	12900	**0.123**	**0.116**	0.126	0.108	0.885	0.816	312		**0.011**	**0.011**	3590	3210
05/03/05	104	31.0	**0.00909**	**0.010**	0.187	0.116	6.73	5.57	**0.00369**	**0.001495**	**0.003835**	**0.003835**	2.02	2.38	**0.003095**	**0.003095**	4850	4990	**0.03565**	**0.03565**	0.116	0.0764	1.70	1.20	393	152	**0.035**		1480	1500
06/01/05	72.4	11.2	0.0234	0.0158	**0.125**	**0.125**	6.48	5.54	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8150	8090	**0.100**	**0.100**	0.100	0.0506	1.33	0.913	334	110	**0.050**		2200	2160
07/10/05	47.3	8.24	**0.005**	**0.005**	**0.125**	**0.125**	7.60	6.72	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	12100	12800	1.04	0.363	0.102	0.0516	1.44	1.06	581	149	0.473	**0.050**	3350	3690
08/16/05	31.0	6.25	**0.0082**		**0.411**	**0.287**	7.42	7.27	**0.0075**	**0.0075**	**0.0038**	**0.0088**	**5.00**	**5.00**	**0.00775**	**0.00775**	12100	12400	0.433	0.516	0.104	0.095	1.34	0.907	449	62.2	**0.0155**		3150	3620
09/13/05	78.8	30.6	0.111	0.0128	**0.125**	**0.125**	8.06	7.12	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.70**	**1.55**	**0.00775**	**0.00775**	8460	8590	1.02	0.825	0.144	0.109	1.98	1.57	475	202	**0.0155**		2550	2660
10/28/05	29.5	11.8	**0.00155**		**0.125**	**0.125**	7.47	7.67	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**6.90**	**0.00775**	**0.0200**	10800	11400	0.493	0.518	0.097	0.0896	0.978	0.809	325	132	**0.0155**		3040	3270
01/18/06	20.5	8.14	**0.0075**	**0.0150**	**0.155**	**0.155**	9.32	8.81	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	13800	13300	0.463	0.269	0.102	0.09	1.00	0.709	391	94.7	**0.0396**		3730	3730
02/10/06	20.8	4.00	**0.0202**	**0.0174**	**0.155**	**0.155**	8.50	8.19	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**1.63**	**0.0125**	**0.0125**	12400	11600	0.304		0.0968	0.0772	0.830	0.517	363	104	0.152		3620	3290
03/16/06	12.1	3.92	**0.025**	**0.025**	0.537	**0.155**	7.61	7.34	**0.012**	**0.0120**	**0.0075**	**0.0250**	**0.750**	**2.50**	**0.0125**	**0.0125**	13300	13300	**0.100**	0.334	0.0934	0.0916	2.03	0.618	335	156	0.160		3860	3900
05/22/06	1100	18.7	**0.0250**	**0.0250**	0.853	**0.155**	15.9	4.21	0.0412	**0.0120**	**0.0174**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	3600	3120	1.050	0.238	0.803	0.118	9.01	1.04	2640	218	0.463	0.314	1170	970
06/19/06	64.4	13.9	**0.0374**	**0.0075**	**0.155**	**0.155**	7.20	6.54	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	8360	8650	0.615		0.126	0.123	2.18	1.38	427	169	0.487	0.338	2230	2270
07/22/06	21.7	8.97	**0.0270**	**0.0260**	**0.155**	**0.155**	7.55	8.26	**0.120**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	11100	12900	0.540		0.100	0.0948	1.19	1.04	426	115	**0.050**		3060	3380
08/15/06	135	30.7	**0.0164**	**0.0180**	**0.155**	**0.155**	6.64	5.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7590	7510	**0.0500**	**0.0500**	0.176	0.0684	2.62	1.92	544	204	**0.050**		2150	2230
09/15/06	57.5	22.7	**0.0075**	**0.0075**	**0.155**	**0.155**	6.82	6.03	**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	8590	8070	0.250	**0.100**	0.119	0.0768	1.85	1.47	443	208	0.758	0.283	2380	2320
11/01/06	28.4	8.48	**0.0075**	**0.0250**	**0.155**	**0.155**	7.22	7.11	**0.0125**	**0.0125**	**0.0075**	**0.0152**	**1.25**	**1.25**	**0.0185**	**0.0185**	10300	9940	0.298	0.293	0.0800	0.0658	0.842		262	102	**0.0155**	**0.050**	3020	2700
12/14/06	22.8	7.20	**0.0075**	**0.0406**	**0.155**	**0.155**	7.54		**0.0125**	**0.0125**	**0.0162**	**0.0158**	**1.25**	**1.25**	**0.0185**	**0.0185**	10900		**0.0500**		0.0872	0.0990	0.935	0.918	354	173	0.570	**0.050**	3230	
02/20/07	22.6	5.10	**0.0250**	**0.0250**	**0.155**	**0.155**	7.68	8.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	0.0558	12500	13400	**0.0500**		0.114	0.101	0.833		529	199	**0.050**		3220	3340
03/16/07	9.60	4.23	**0.0075**	**0.0250**	**0.155**	**0.155**	7.49	8.69	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0256**	**0.0075**	11700	12400	**0.0500**		0.0902		0.696		467	258	0.738	**0.050**	3150	3460
04/21/07	79.4	23.0	**0.0188**	**0.0372**	**0.155**	**0.155**	6.71	6.93	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6910	7620	0.300	0.422	0.116		1.65		553	340	**0.0706**	**0.0792**	2040	2270
05/10/07	190	16.2	**0.0246**	**0.0254**	**0.155**	**0.155**	7.75	5.62	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5980	5680	**0.100**	**0.100**	0.200	0.0878	2.36	1.39	795	294	**0.050**	**0.050**	1860	1790
06/17/07	49.3	12.2	**0.0250**	**0.0250**	**0.318**	**0.155**	7.11	6.75	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9380	9210	0.257	**0.0500**	0.112	0.0760	1.41	0.905	555	284	0.154	**0.0155**	2660	2670
07/13/07	146	9.92	**0.0250**	**0.0250**	**0.332**	**0.155**	9.32	7.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10400	10400	0.263	0.246	0.278	0.0920	2.12	1.10	1190	292	**0.050**	**0.050**	2860	2950
08/16/07	25.2	12.3	**0.0212**	**0.0164**	**0.367**	**0.155**	7.70	6.65	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12400	10900	**0.184**	**0.129**	0.107	0.0788	1.44	1.02	596	322	**0.0155**	**0.0155**	3330	3050
09/16/07	39.7	18.0	**0.0075**	**0.0075**	**0.155**	**0.155**	7.14	6.36	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9630	8940	0.225	**0.100**	0.103	0.0778	1.58	1.20	444	254	**0.0155**	**0.0155**	2500	2320
10/14/07	31.2	11.3	**0.0075**	**0.0206**	**0.155**	**0.155**	7.74	7.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10100	9790	0.432	0.380	0.0770	0.0598	0.956	0.809	236	117	**0.050**	**0.0155**	2690	2600
11/10/07	27.5	13.1	**0.0075**	**0.0150**	**0.155**	**0.155**	6.13	6.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8740	9880	**0.0500**	0.286	0.0700	0.0666	1.16	1.21	257	180	**0.050**	**0.050**	2390	2690
12/10/07	34.6	9.21	**0.0075**	**0.022**	**0.155**	**0.155**	7.33	7.36	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	10600	0.493	0.367	0.0890	0.068	1.05	0.697	330	147	**0.050**	**0.0155**	2780	2870
01/23/08	17.9	6.55	**0.0152**	**0.0176**	**0.155**	**0.155**	7.82	7.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11800	12300	0.381	**0.100**	0.0636	0.0642	0.860		216	129	**0.0155**	**0.050**	3220	3290
03/16/08	9.63	4.50	**0.0075**	**0.0322**	**0.155**	**0.155**	7.20	8.08	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11400	11800	**0.0500**	**0.0500**	0.0590	0.0548	0.637	0.584	347	193	**0.0155**	**0.0155**	3120	3110
03/27/08																														
04/23/08	16.9	5.28	**0.0075**	**0.0075**	**0.155**	**0.155**	9.03	8.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13200	12800	0.286	0.262	0.0721	0.0648	0.829	0.880	475	251	**0.0155**	**0.0155**	3900	3850
05/29/08	85.6	22.5	**0.0075**	**0.0075**	**0.155**	**0.155**	4.69	4.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4330	4530	**0.100**	**0.100**	0.0928	0.0572	1.35	1.14	340	163	**0.0155**	**0.0155**	1260	1310
06/15/08	84.9	24.5	**0.0075**	**0.0075**	**0.155**	**0.155**	6.63	5.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6660	6470	0.291	0.221	0.113	0.0500	1.53	0.983	355	158	**0.050**	**0.050**	1800	1770
07/19/08	25.7	9.73	**0.0075**	**0.0186**	**0.155**	**0.155**	7.13	7.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9520	9930	**0.100**	0.228	0.0642	0.0528	1.17	0.918	326	154	**0.0155**	**0.0155**	2460	2550
08/20/08	33.7	9.32	**0.0075**	**0.0075**	**0.155**	**0.155**	7.69	7.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11700	11400	**0.0500**	0.255	0.0838	0.0573	1.20	1.02	492	234	**0.0155**	**0.0155**	3190	3100
09/17/08	43.6	12.4	**0.0075**	**0.0195**	**0.155**	**0.155**	6.61	6.88	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9050	9570	**0.100**	**0.100**	0.101	0.0739	1.54	1.23	488	208	**0.0155**	**0.0155**	2450	2630
10/17/08	32.8	12.9	**0.0186**	**0.0167**	**0.155**	**0.155**	7.73	7.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10500	10500	0.246	**0.169**	0.0889	0.0744	1.07	0.883	290	143	**0.0155**	**0.0155**	2960	2980
11/20/08	25.0	5.60	**0.0075**	**0.0075**	**0.155**	**0.155**	7.66	7.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11300	11800	**0.100**		0.0735	0.0603	0.762	0.594	336	130	**0.0155**	**0.0155**	3220	3360
12/07/08	31.4	7.71	**0.0075**	**0.0075**	**0.155**	**0.155**	7.45	7.29	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10600	10800	**0.0500**	**0.0500**	0.0838	0.0608	0.876	0.741	366	117	**0.0155**	**0.060**	3150	3120
Mean	69.1	13.4	0.0410	0.0300	0.192	0.153	7.44	6.83	0.0165	0.0106	0.1180	0.1184	1.53	1.63	0.01346	0.01172	9700	9800	0.273	0.226	0.121	0.0857	1.49	1.03	476	191	0.1190	0.0631	2720	2740
Median	32.8	12.0	0.0164	0.0186	0.155	0.155	7.45	7.02	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.00775	10300	10400	0.225	0.194	0.100	0.0762	1.31	1.00	393	187	0.0500	0.0500	2930	2910
St. Deviation	158	8.20	0.1020	0.0420	0.129	0.033	1.59	1.21	0.0255	0.0029	0.2673	0.2671	0.930	1.12	0.02076	0.00802	2600	2700	0.256	0.166	0.111	0.0449	1.22	0.300	359	67.0	0.1944	0.0842	700.0	710.0
# of values	47	46	47	45	47	47	47	46	47	47	47	47	47	47	47	47	47	46	47	40	47	40	47	42	47	46	47	36	47	46
Minimum	6.56	3.92	0.00155	0.005	0.125	0.116	4.69	4.14	0.001495	0.001495	0.00155	0.00155	0.750	0.750	0.003095	0.003095	3600	3120	0.03565	0.03565	0.050	0.0500	0.637	0.517	216	62.2	0.011	0.011	1170	970
Maximum	1100	37.1	0.604	0.210	0.853	0.298	15.9	8.87	0.146	0.0125	0.750	0.750	5.00	6.90	0.149	0.0558	13800	13400	1.05	0.825	0.803	0.316	9.01	1.92	2640	340	0.758	0.338	3900	3900
% of values undetected	2%	11%	64%	51%	81%	91%	0%	0%	94%	100%	94%	94%	94%	91%	96%	94%	0%	0%	38%	35%	4%	0%	0%	0%	0%	0%	72%	83%	0%	0%
# of values between MDL and PQL	0	0	11	17	5	2	0	0	1	0	3	3	1	2	1	2	0	0	4	6	1	0	0	0	0	0	3	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.072	0.071	NA	NA	10.98	10.56276	NA	NA	2.032	1.950	1000	1000	0.328	0.345	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	11%	0%	4%	0%	15%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
# of CALC exceedences	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	0	2	0	7	0	0	0

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SK134A																									
Sample Date																									
05/01/04	41.7	34.3	0.0030		**0.569**	**0.467**	0.384	0.328	585	591	**0.319**	**0.155**	3190	**0.0193**	**0.00310**	1860	1960	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.362**	**0.125**	3.03	3.94
05/18/04	26.1	22.6	0.0028		**0.546**	**0.575**	0.235	0.419	333	361	**0.155**	**0.155**	3000	**0.00310**	**0.00310**	1730	1930	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	**0.200**	1.75	2.03
06/16/04	26.9	23.0	0.0017		**0.904**	1.01	0.324		398	413	**0.155**	**0.155**	4160	**0.00310**	**0.00310**	3350	3490	**0.0125**	**0.0125**	**0.772**	**0.155**	**0.364**	**0.125**	**0.750**	**0.750**
07/13/04	39.4	24.3	0.0015		1.68	1.71	0.481	0.568	542	547	**0.397**	**0.155**	5230	**0.0031**	**0.0031**	4120	4060	**0.0125**	**0.0125**	**0.155**	**0.155**	0.447	**0.379**	**0.750**	**0.750**
08/26/04	33.6	19.3	0.0015		1.54	1.26	0.445	0.568	676	647	**0.155**	**0.155**	6220	**0.0031**	**0.0031**	3670	3530	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.273**	**0.125**	**0.750**	**0.750**
09/14/04	26.8	26.5	**0.0005**		1.06	1.20	0.351		505	538	**0.155**	**0.155**	6030	**0.0031**	**0.0031**	3820	4000	**0.0125**	**0.0125**	**0.155**	**0.155**	0.427	**0.125**	**0.750**	**0.750**
10/16/04	40.5	34.9	0.0016		**0.832**	**0.882**	0.375	0.397	449	465	**0.155**	**0.155**	5180	**0.0031**	**0.0031**	2950	2950	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.349**	**0.125**	1.60	**0.750**
01/29/05	34.3	31.3	**0.0005**		0.912	0.88	0.442	0.433	513	515	**0.208**	**0.380**	7210	**0.0031**	**0.0031**	3810	3690	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	2.62	1.57
03/20/05	56.4	53.1	**0.000147**		0.948	1.01	0.182	0.135	615	596	0.394	0.397	6980	**0.001435**	**0.005000**	4240	3850	**0.002125**	**0.0050**	**0.0302**	**0.0302**	0.154	0.187	2.70	**0.500**
05/03/05	39.2	24.4	**0.00252**		0.442	0.446	0.169		432	440	0.155	0.140	3290	**0.005000**	**0.001435**	1630	1620	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.309	0.112	1.51	2.43
06/01/05	26.6	12.0	**0.000450**		0.818	0.798	0.486		538	535	**0.220**	**0.303**	4190	**0.0031**	**0.0031**	3230	3220	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	0.476	**0.750**	**0.750**
07/10/05	46.7	17.7	**0.0025**		1.26	1.36	0.888	0.969	566	609	**0.251**	**0.0775**	5470	**0.0031**	**0.0031**	4180	4670	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.265**	**0.100**	3.03	2.30
08/16/05	35.5	25.0	**0.000450**		1.18		0.538		579	617	**0.246**	**0.0775**	6470	**0.0031**	**0.0031**	3830	4570	**0.0031**	**0.0031**	**0.031**	**0.031**	0.522	**0.100**	2.24	3.36
09/13/05	37.4	25.6	**0.0025**		0.894	0.820	0.577		542	554	**0.0775**	**0.0775**	5310	**0.0031**	**0.0031**	3080	3230	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.750**	
10/28/05	39.1	37.2	**0.00104**		0.772	0.832	0.502		517	558	**0.293**	**0.394**	7290	**0.010000**	**0.0031**	3810	4160	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.390**	**0.100**	**0.850**	1.67
01/18/06	46.8	37.8	**0.00133**		1.04	1.01	0.635		679	656	**0.652**	**0.571**	8100	**0.0031**	**0.0031**	4490	4650	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.40	
02/10/06	33.9	28.5	**0.00250**		1.09	1.00	0.812		604	577	**0.501**	**0.155**	8030	**0.0031**	**0.0031**	4480	4130	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.24	0.964
03/16/06	28.4	27.2	**0.000475**		0.904	0.982	0.453		631	624	**0.483**	**0.443**	7800	**0.0031**	**0.0031**	4420	4580	**0.0025**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.79	3.57
05/22/06	222	59.2	0.0122		0.982	0.427	0.781	0.486	742	658	**0.155**	**0.155**	1500	**0.0070**	**0.0031**	1160	1090	0.0118	**0.0025**	**0.0155**	**0.0155**	2.69	**0.110**	4.96	4.44
06/19/06	31.9	24.0	**0.00250**		0.876	0.857	0.338		576	591	**0.155**	**0.341**	4530	**0.0031**	**0.0031**	3040	3030	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.631	**0.250**	2.34	1.48
07/22/06	31.2	26.9	**0.00117**		1.15	1.31	0.539		509	594	**0.155**	**0.155**	5610	**0.0310**	**0.0031**	3870	4330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.11	2.84
08/15/06	44.3	19.5	**0.00250**		0.850	0.784	0.491	0.686	334	326	**0.155**	**0.155**	3690	**0.0031**	**0.0031**	2660	2860	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.25	1.45
09/15/06	35.7	20.2	**0.00250**		0.871	0.817	0.323		480	445	**0.155**	**0.155**	3690	**0.0031**	**0.0031**	3010	2990	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.41	1.32
11/01/06	34.3	23.7	**0.00250**		0.808	0.750	0.351	0.548	521	584	**0.155**	**0.155**	6180	**0.0031**	**0.0031**	3940	3520	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.52	
12/14/06	36.6	35.4	**0.000475**		0.960	1.16	0.552	0.699	559		**0.316**	**0.429**	7280	**0.0031**	**0.0031**	4050		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	5.11	
02/20/07	46.5	37.3	**0.000342**		1.12	1.15	0.614	0.738	628		**0.412**	**0.481**	7270	**0.0031**	**0.0031**	3850	4210	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.50	
03/16/07	44.5	45.2	**0.00250**		1.08	1.09	0.330		556	617	**0.347**	**0.467**	7400	**0.0031**	**0.0031**	3810	4110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.155**	3.26	4.26
04/21/07	45.9	43.3	**0.00203**		0.751	0.818	0.327		959	1070	**0.155**	**0.155**	4300	0.0206	**0.0031**	2480	2750	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.76	
05/10/07	70.2	35.7	**0.00127**		0.880	0.758	0.442		777	774	**0.155**	**0.155**	3320	**0.0031**	**0.0031**	2110	2060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.671**	**0.155**	1.45	
06/17/07	44.9	31.1	**0.000169**		1.19	1.16	0.430	0.399	548	569	**0.155**	**0.155**	4630	**0.0031**	**0.0031**	3330	3340	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.25	1.20
07/13/07	116	33.5	**0.00250**		1.29	1.19	0.529	0.525	473	484	**0.155**	**0.155**	5220	**0.0031**	**0.0031**	3460	3570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.562**	**0.155**	1.10	**0.500**
08/16/07	41.6	30.5	**0.00250**		1.44	1.24	0.638	0.360	537	462	**0.155**	**0.155**	5540	**0.0070**	**0.0080**	4010	3660	**0.0050**	**0.0148**	**0.050**	**0.050**	**0.155**	**0.155**	2.24	1.04
09/16/07	39.2	30.3	**0.00250**		1.11	1.02	0.301	0.312	447	416	**0.155**	**0.155**	4650	**0.0031**	**0.0031**	3150	2930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.44	2.13
10/14/07	30.8	23.5	**0.00110**		0.924	0.855	0.370	0.426	469	460	**0.426**	**0.406**	6310	**0.0126**	**0.0031**	3500	3330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.60
11/10/07	29.4	30.2	**0.00250**		0.839	0.950	0.317	0.417	400	476	**0.155**	**0.335**	6710	**0.0031**	**0.0031**	3120	3700	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.55
12/10/07	33.6	25.6	**0.00115**		0.972	0.977	0.358	0.475	457	488	**0.335**	**0.345**	6520	**0.0031**	**0.0031**	3580	3650	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.04	1.50
01/23/08	16.0	17.2	**0.00075**		0.965	0.985	0.318	0.485	552	588	**0.431**	**0.419**	8010	**0.0031**	**0.0031**	3950	4060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
03/16/08	27.4	23.6	**0.00075**		0.999	0.976	0.436	0.478	494	545	**0.445**	**0.411**	6830	**0.0031**	**0.0031**	3730	3650	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
03/27/08																									
04/23/08	34.2	29.2	**0.00075**		0.939	0.884	0.510	0.649	658	654	**0.391**	**0.348**	7850	**0.0031**	**0.0031**	4420	4240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.49
05/29/08	28.7	14.9	**0.00336**		0.481	0.463	0.239	0.372	385	407	**0.155**	**0.155**	2780	**0.0031**	**0.0031**	1530	1630	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
06/15/08	29.7	13.2	**0.00168**		0.670	0.627	0.320	0.302	500	483	**0.326**	**0.325**	4270	**0.0031**	**0.0031**	2520	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.375**	**0.155**	1.26	1.38
07/19/08	22.9	17.2	**0.00075**		0.851	0.886	0.404	0.580	429	459	**0.155**	**0.155**	5110	**0.0031**	**0.0031**	3110	3200	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
08/20/08	35.8	22.2	**0.00075**		1.08	1.01	0.279	0.423	558	559	**0.155**	**0.155**	6030	**0.0031**	**0.0031**	4060	3980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.659**	
09/17/08	38.2	29.6	**0.0018**		0.927	0.940	0.316	0.389	419	461	**0.385**	**0.383**	4960	**0.0031**	**0.0031**	3030	3250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
10/17/08	32.7	26.6	**0.00165**		0.934	0.910	0.785	0.856	520	521	**0.155**	**0.155**	6620	**0.0031**	**0.0031**	3790	3870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.88
11/20/08	31.4	24.8	**0.00075**		0.799	0.874	0.463	0.644	525	545	**0.155**	**0.338**	8060	**0.0031**	**0.0031**	4060	4240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.06	1.82
12/07/08	38.5	30.3	**0.0043**		0.804	0.771	0.451	0.440	487	508	**0.370**	**0.155**	7000	**0.0031**	**0.0031**	3790	3780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.04	
Mean	42.0	28.3	0.0018	NA	0.956	0.932	0.443	0.500	536	546	0.254	0.247	5640	0.0049	0.0032	3380	3430	0.0057	0.0058	0.0720	0.059	0.303	0.167	1.61	1.71
Median	35.7	26.6	0.0016	NA	0.927	0.925	0.436	0.475	525	545	0.155	0.155	5610	0.0031	0.0031	3670	3610	0.0050	0.0050	0.0500	0.050	0.155	0.155	1.26	1.49
St. Deviation	30.6	9.40	0.0018	NA	0.242	0.251	0.160	0.171	113	119	0.130	0.132	1650	0.0054	0.00080	830.0	860.0	0.0032	0.0033	0.112	0.042	0.385	0.0710	1.16	1.09
# of values	47	47	47	0	47	46	47	31	47	45	47	47	47	47	47	47	46	47	47	47	47	47	47	47	35
Minimum	16.0	12.0	0.000147	NA	0.442	0.427	0.169	0.135	333	326	0.0775	0.0775	1500	0.001435	0.001435	1160	1090	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.500	0.500
Maximum	222	59.2	0.0122	NA	1.68	1.71	0.888	0.969	959	1070	0.652	0.571	8100	0.0310	0.0080	4490	4670	0.0125	0.0148	0.772	0.155	2.69	0.476	5.11	4.44
% of values undetected	0%	0%	57%		0%	0%	0%	0%	0%	0%	51%	57%	0%	89%	98%	0%	0%	98%	98%	98%	100%	66%	91%	32%	29%
# of values between MDL and PQL	0	0	14		4	3	0	0	0	0	21	18	0	4	1	0	0	0	1	1	0	9	1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	11.53	11.50	NA	NA	5	4.6	NA	0.1887696	0.160	NA	NA	NA	NA	NA	NA	NA	NA	26.43	26.06
Drinking Water Standards (DWS)[2]	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	2%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	9%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
# of CALC exceedences	0	0	1	#VALUE!	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Key:

Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

Footnotes:

(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV		mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NK100A																											
Sample Date																											
04/29/04	6.89	0.69	12.79		0.033	143	23.9	13.1	36.0	40.0	32.4	**1.57**	13.5	**0.0400**			**0.0155**		0.850	**0.0155**	1.67	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/19/04	6.92	3.81				142	6.7	11.0	32.0	52.5	1.20	**1.57**	13.5	**0.0580**			**0.0155**		0.699	**0.0500**	1.60	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/22/04	6.94	6.17				161																					
06/02/04													20.5														
06/15/04	7.21	8.18	11.31		0.049	274	0.2	14.8	43.0	42.5	0.800	**1.57**	21.5				**0.0155**		0.674	**0.0340**	2.23	**0.00125**	**0.00125**	**0.065**			**0.0155**
07/14/04	7.10	13.51	9.85	95.6	0.056	260	0.9	17.8	60	36.3	0.615	**1.57**	22.0	**0.31**			0.306		0.703	**0.0500**	2.91	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/14/04													22.5														
08/24/04	7.56	13.08	12.46	119.9	0.057	261	0.1	16.6	60	40.0	0.923	**1.57**	23.0	**0.155**			**0.0155**		0.754	**0.0350**	2.88	**0.00125**	**0.0030**	**0.065**			**0.0155**
09/15/04	7.28	4.47	12.24	95.2	0.057	229	0.6	17.6	60	48.8	0.500	**1.57**	24.0	**0.155**			**0.0155**		0.821	**0.0450**	3.20	**0.0025**	**0.0039**	**0.24**			**0.0155**
10/17/04	7.76	4.00	13.17	100.3	0.046			14.3	45	46.3	0.500	**1.57**	20.0	**0.77**			**0.0155**		1.06	**0.0155**	2.58	**0.00125**	**0.00125**	**0.20**			**0.0155**
01/28/05	7.06	-0.15	12.44		0.060	94	8.8	18.2	55	18.8	**0.075**	**0.785**	22.5	0.27			0.040		0.855	**0.0340**	2.96			**0.16**			**0.0155**
03/15/05	6.55				0.053	123		19.5	55	25.0	0.800	**3.00**	20.0	0.10			0.050		1.07	**0.0320**	3.00	**0.0025**	0.0050	**0.26**			**0.05**
05/04/05	6.02	4.68	12.34	95.0	0.034	173.1	1.85	12.5	33	37.5	4.00	**3.60**	12.8	0.13			0.058		0.693	**0.0155**	1.83	**0.00125**	**0.00125**	**0.29**			**0.0155**
06/03/05	7.62	11.55	10.49	97.0	0.043	30	3.2	13.7	170	28.8	1.10	**2.88**	12.5	**0.04**			0.039		0.615	**0.0155**	4.78	**0.00125**	**0.00125**	**0.16**			**0.0155**
07/09/05	7.15	17.32	6.83	71.1	0.050	-98.2	0.58	18.6	55	37.5	1.60	**0.785**	22.5	**0.0155**			0.170		0.565	**0.0155**	1.94	**0.0025**	**0.0025**	**0.11**			**0.036**
08/17/05	7.84	11.52	10.18	93.4	0.053	-177.4	1	21.7	49	45.0	0.700	**2.00**	25.0	**0.0155**			**0.0085**		0.599	**0.0155**	2.52	**0.004**	0.0070	**0.30**			**0.0155**
09/14/05	6.67	9.57	11.84	103.9	0.044	130.4	0.98	16.2	45	33.8	1.20	**1.88**	20.5	**0.0155**			**0.011**		0.788	**0.0320**	2.25	**0.00125**	**0.00125**	**0.30**			**0.04**
10/28/05	6.73	1.11	13.95	98.3	0.052	189.3	0.69	22.4	55	43.8	0.600	**4.88**	20.0	2.41			**0.0085**		0.844	**0.0155**	4.14	**0.00125**	**0.00125**	**0.68**			**0.05**
02/10/06	6.84	0.14	10.36	71.2	0.028	165.2	0.59	19.7	60.0	38.8	**0.0775**	**4.25**	23.0	0.271			**0.00165**		0.846	**0.0155**	3.17	**0.00125**	**0.00125**	**0.0295**			**0.05**
03/15/06	6.37	0.01	10.86	74.3	0.031	66.9	0.4	22.6	60.0	32.5	**0.075**	7.50	24.0	0.392			**0.00155**		0.851	**0.0155**	3.50	**0.00125**	**0.00125**	**0.155**			0.112
05/20/06	6.13	1.27	10.15	72.0	0.033	166.5	1.35	14.2	36.0	43.8	4.34	**4.25**	**14.0**	0.248	**0.0155**	0.239	0.0296	**0.0155**	1.16	**0.0155**	1.73	**0.00125**	**0.00125**	**0.155**			**0.0680**
06/15/06	6.57	7.08	6.94	57.3	0.040	-34.6	0.5	15.9	38.0	35.0	0.700	**2.25**	15.0	**0.0595**	**0.0155**	**0.0550**	**0.00155**	**0.0155**	0.743	**0.0420**	2.15	**0.00125**	**0.00125**	**0.155**			**0.0155**
07/23/06	7.11	9.76	6.82	60.1	0.050	190.6	0.46	21.1	46.0	37.5	**0.800**	**3.25**	24.0	0.216	**0.0155**	0.212	0.0140	**0.05**	0.677	**0.0450**	2.45	**0.00105**	**0.0025**	**0.155**			**0.0155**
08/16/06	7.31	8.42	8.11	69.2	0.037	186.7	0.5	16.0	37.0	41.2	2.00	**1.57**	16.0	**0.0350**	**0.0155**	**0.0155**	0.0140	**0.05**	0.452	**0.0410**	1.48	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/14/06	6.31	8.18	8.88	75.3	0.046	136.8	1.69	17.1	44.0	50.0	2.86	**1.57**	21.0	**0.0405**	**0.0155**	**0.0405**	0.0200		0.817	**0.0930**	2.00	**0.00075**	**0.00075**	**0.155**			**0.0155**
11/03/06	7.26	0.04		47.4	0.007	54.5	0.38	21.0	48.5	27.5	**0.0765**	**1.57**	23.0	**0.0390**	**0.0155**	**0.0155**	0.0180	**0.05**	0.782	**0.0155**	2.25	**0.00075**	**0.00075**	**0.155**			**0.0155**
12/13/06	6.72	0.05		69.9	0.055	141.8	0.38	19.2	55.0	43.8	**0.1615**	**1.57**	25.0	0.187	**0.0155**	0.165	**0.0070**	**0.05**	0.770	**0.0155**	2.89	**0.00075**	**0.0020**	**0.155**			**0.0155**
02/16/07	6.05	0.03	11.02	75.5	0.051	224.7	0.38	20.5	47.5	37.5	**0.1545**	**1.57**	22.0	**0.0840**	**0.0155**	**0.0735**	0.0160	**0.05**	0.784	**0.0155**	2.88	**0.00075**	0.0055	**0.155**			**0.0155**
03/16/07	6.91	0.04	10.8	74.5	0.054	155.2	0.28	19.4	50.0	52.5	**0.150**	**7.00**	24.0	0.135	**0.0155**	0.126	0.0240	**0.05**	0.750	**0.0155**	3.20	**0.00075**	**0.00075**	**0.155**			**0.0155**
04/22/07	7.16	0.05	7.99	54.7	0.038	131.9	2.65	14.5	36.0	51.3	2.20	**1.57**	12.0	0.102	**0.0155**	**0.0880**	0.0280	**0.05**	0.897	**0.0360**	1.77	**0.00075**	**0.00075**	**0.51**			**0.0155**
05/12/07	6.97	4.13	9.25	71.5	0.036	154.5	1.05	7.52	20.0	35.0	0.778	**1.57**	**6.00**	**0.050**			0.0116		0.609	**0.0310**	1.91	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/18/07	7.16	8.16	11.4	96.8	0.041	215.7	0.28	17.0	415	38.8	0.900	**3.50**	20.0	**0.0360**			**0.0050**		0.647	**0.0660**	2.10	**0.00075**	**0.00075**	**0.155**		1.38	**0.0155**
07/14/07	6.85	8.49	9.50	81.4	0.046	78.6	0.8	18.9	47.0	37.5	**0.600**	**1.57**	22.7	**0.0695**			**0.0050**		0.565	**0.0430**	1.79	**0.00075**	**0.00075**	**0.155**		1.89	**0.0155**
08/16/07	7.29	15.36	9.37	93.7	0.049	24.5	0.91	18.7	49.0	33.8	1.12	**1.57**	25.4	**0.0155**			**0.0086**		0.494	**0.0155**	1.82	**0.00075**	**0.00075**	**0.155**		1.92	**0.0155**
09/17/07	6.48	6.96	9.77	80.5	0.046	160.8	0.57	19.0	46.5	43.8	1.05	**1.57**	21.9	**0.0735**			0.0147		0.554	**0.0155**	1.74	**0.0025**	**0.00075**	**0.155**		1.89	**0.0155**
10/15/07	4.99	0.14	13.05	89.6	0.049	270.7	0.88	20.6	49.0	28.8	0.556	**1.57**	23.0	**0.050**			0.0137		0.673	**0.0350**	2.02	**0.00075**	**0.00075**	**0.155**		1.11	**0.0155**
11/11/07	6.45	-0.01	12.51	85.6	0.048	155.3	0.44	18.3	48.0	12.5	**0.1565**	**1.57**	22.3	0.112			0.0106		0.720	**0.0320**	2.08	**0.00075**	**0.00075**	**0.155**		1.57	**0.0155**
12/10/07	7.97	0.70	9.42	66.0	0.048	132.3	0.74	18.5	48.8	31.3	**0.606**	**1.57**	22.0	0.115			0.0113		0.698	**0.0155**	2.10	**0.00075**	**0.0025**	**0.155**		1.38	**0.0155**
01/24/08	6.13	0.05	9.52	66.0	0.053	112.6	0.54	11.5	56.6	21.3	**0.619**	**4.61**	23.8	0.129			**0.0068**		0.733	**0.0310**	2.55	**0.00075**	**0.00075**	**0.155**		1.26	**0.0155**
02/20/08	7.07	0	6.92	47.5	0.051	52.5	0.98	18.9	54.6	36.3	**0.150**	**7.42**	22.8	**0.0600**			**0.0050**		0.689	**0.0155**	2.72	**0.00075**	**0.0025**	**0.155**		0.715	**0.0155**
03/07/08	6.36	0.05	9.10	62.3	0.051	195.9	0.61																				
03/17/08								20.5	54.5	43.8	**0.1565**	**8.48**	24.8	0.164			**0.0087**		0.734	**0.0155**	2.73	**0.00075**	**0.00075**	**0.155**		1.19	**0.0155**
04/18/08	7.26	-0.06	11.67	80.0	0.052	201.1	0.4	19.7	54.5	45.0	**0.1595**	**5.72**	23.8	0.109			**0.0050**		0.727	**0.0155**	2.77	**0.0025**	**0.00075**	**0.155**		0.975	**0.0394**
05/19/08	7.07	2.66	10.0	73.6	0.035	186.4	2.67	13.5	36.3	37.5	3.09	**1.57**	14.4	0.129			0.0156		0.648	**0.0155**	1.28	**0.0025**	**0.0025**	**0.155**		2.44	**0.0521**
06/13/08	6.22	4.10	9.38	71.7	0.035	168.8	0.99	13.4	34.7	23.8	1.23	**1.57**	15.2	**0.0685**			**0.0071**		0.389	**0.0155**	1.37	**0.00075**	**0.00075**	**0.155**		1.71	0.105
07/17/08	6.56	7.57	6.45	53.9	0.034	155.2	0.73	13.3	31.5	28.8	2.06	**1.57**	14.9	**0.0155**			0.0128		0.384	**0.0155**	1.15	**0.0025**	**0.00075**	**0.155**		1.91	**0.0155**
08/19/08	6.97	8.10	7.20	60.9	0.054	66.7	0.43	19.2	49.6	30.0	**0.309**	**1.57**	24.2	**0.0155**			0.0183		0.630	**0.0530**	2.46	**0.0015**	**0.00075**	**0.155**		0.745	**0.050**
09/18/08	6.61	6.25	7.49	60.5	0.044	214.0	1.62	17.0	52.4	23.8	3.67	**1.57**	21.4	**0.072**			0.0198		0.537	**0.0460**	1.14	**0.00075**	**0.00075**	**0.37**		2.94	**0.050**
10/19/08	6.53	0.04	11.55	79.1	0.050	153.6	0.56	19.0	52.6	41.3	**0.080**	**1.57**	23.1	**0.076**			**0.0076**		0.684	**0.0155**	2.01	**0.00075**	**0.00075**	**0.155**		1.22	**0.050**
11/22/08	6.97	-0.06	9.57	65.5	0.050	174.8	3.39	23.9	59.8	38.8	10.8	**3.98**	24.0	0.142			0.0727		0.762	**0.0155**	2.52	**0.00075**	**0.00075**	**0.155**		1.01	**0.050**
12/08/08	6.19	-0.06	10.58	72.2	0.053	167.7	0.67	19.5	56.1	23.8	**0.625**	**5.18**	23.5	0.137			**0.0054**		0.696	**0.0470**	2.34	**0.00075**	**0.00075**	**0.155**		0.812	**0.0155**
Mean	6.84	5	10.1	76.9	0.045	139.6	1.7	17.4	58	36.7	1.90	2.72	20.4	0.172	0.0155	0.1030	0.0261	0.0400	0.717	0.0285	2.35	0.0013	0.00160	0.179	NA	1.48	0.028
Median	6.915	4	10.2	74.0	0.0485	155.2	0.7	18.3	49.0	37.5	0.700	1.57	22.0	0.092	0.0155	0.0808	0.0140	0.0500	0.703	0.0155	2.25	0.0012	0.00130	0.155	NA	1.38	0.0155
St. Deviation	0.55	5	2.00	16.4	0.010	88.5	3.7	3.4	56.9	9.1	4.88	1.93	4.4	0.361	0	0.0798	0.0495	0.0200	0.155	0.017	0.74	0.0007	0.00140	0.110	NA	0.59	0.0229
# of values	48	47	43	42	46	47	45	47	47	47	47	47	49	46	10	10	47	9	47	47	47	46	46	47	0	19	47
Minimum	4.99	-0.15	6.45	47.4	0.007	-177.4	0.1	7.52	20	12.5	0.075	0.785	6.0	0.0155	0.0155	0.0155	0.00155	0.0155	0.384	0.0155	1.14	0.00075	0.00075	0.0295	NA	0.715	0.0155
Maximum	7.97	17.32	13.95	119.9	0.06	274	23.9	23.9	415	52.5	32.4	8.48	25.4	2.41	0.0155	0.239	0.306	0.050	1.16	0.0930	4.78	0.004	0.0070	0.68	NA	2.94	0.112
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	60%	0%	24%	100%	20%	28%	100%	0%	55%	0%	96%	87%	74%		0%	85%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	6	18	2	16	0	4	10	0	0	21	0	2	3	12		0	5
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.92
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	25%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	NA	0%	0%
% of DWS exceedences	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100A																														
Sample Date																														
04/29/04	349	47.6	**0.0385**	**0.100**	**0.486**	**0.125**	6.97	4.99	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3560		0.384	0.311	0.263		1.25	1.00	788	301	0.364	**0.100**	1010	
05/19/04	55.4	29.4	0.480	**0.100**	**0.250**	**0.125**	3.00	1.76	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3030	2930	**0.050**	**0.100**	**0.0543**		0.577	0.428	171	98.8	**0.100**	**0.050**	830	827
05/22/04																														
06/02/04																														
06/15/04	**12.5**	**12.5**	0.763	0.235	**0.125**	**0.125**	3.21	3.00	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4150	4080	**0.107**	**0.128**	**0.0155**		0.269	0.316	69.7	53.5	**0.050**	**0.050**	1070	1060
07/14/04	**12.5**	**12.5**	0.255	**0.1**	**0.125**	**0.125**	3.85	3.91	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4860	5020	**0.100**	**0.100**	**0.050**		0.455	0.373	32.9	**10.0**	**0.050**	**0.050**	1370	1410
08/14/04																														
08/24/04	38.0	**12.5**	**0.0385**	**0.0385**	**0.303**	**0.125**	3.69	3.20	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4580	4590	0.447	0.233	**0.0155**		0.330	0.401	29.3	**10.0**	**0.050**	**0.050**	1260	1260
09/15/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.96	3.72	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0666**	**0.0155**	4800	4790	**0.129**	0.206	**0.050**		0.848	0.478	72.8	48.6	2.14	**0.050**	1360	1310
10/17/04	28.4	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	2.92	2.80	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3910	4060	**0.100**	0.236	**0.050**		0.369	0.372	126	90.8	0.219	**0.050**	1100	1130
01/28/05	7.97	7.10	0.0142	0.0166	**0.125**	**0.125**	3.35	3.39	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5020	5140	0.365	0.434	0.0162	0.0140	0.245	0.262	43.6	30.2	**0.0155**	**0.0348**	1380	1440
03/15/05	30.0	10.6	**0.0113**	**0.0123**	0.206	0.219	4.08	4.04	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.81	1.86	**0.003095**	**0.003095**	5220	4620	**0.0973**	**0.03565**	0.0490	0.0431	0.219		158	83.7	**0.0110**	**0.0350**	1560	1340
05/04/05	118	20.2	**0.0105**	**0.0132**	0.334	0.167	5.94	2.32	**0.00624**	**0.001495**	**0.003835**	**0.003835**	4.63	3.26	**0.003095**	**0.003095**	3490	2950	**0.143**	**0.03565**	0.0820	0.0379	0.387	0.426	305	115	**0.0350**		918	770
06/03/05	31.7	9.58	0.0174	0.0178	**0.361**	**0.125**	2.82	2.36	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	3750	3790	**0.031**	**0.031**	0.0306	0.0290	0.246	0.266	94.1	65.9	**0.0155**		1040	1040
07/09/05	26.3	8.33	**0.00155**		**0.125**	**0.125**	3.56	3.26	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	5030	5030	0.409	**0.100**	0.0170	**0.0034**	0.326	0.283	203	94.2	**0.0155**	**0.050**	1470	1390
08/17/05	17.8	5.56	0.0712	0.0182	**0.353**	**0.482**	3.89	3.42	**0.0282**	**0.0075**	0.0504	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	5860	5560	0.630	0.474	0.0970	0.0380	0.393	0.311	134	54.2	**0.050**	0.141	1730	1650
09/14/05	42.9	22.2	0.0216	0.023	**0.125**	**0.125**	3.43	3.29	**0.0248**	**0.0075**	**0.00155**	**0.00155**	**5.80**	**1.55**	**0.0250**	**0.00775**	4420	4460	0.498		0.0818	0.0676	0.378		238	129	**0.0155**		1250	1250
10/28/05	28.7	11.2	1.94	0.310	**0.279**	**0.125**	4.37	3.99	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**3.40**	**3.70**	**0.00775**	**0.00775**	6300	5930	0.385	0.451	0.0594	0.0552	0.377	0.358	197	71.2	1.81	0.359	1620	1680
02/10/06	7.92	5.86	**0.0156**	**0.036**	**0.155**	**0.155**	3.83	3.75	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**1.79**	**0.0125**	**0.0125**	5410	5410	**0.157**		0.0280	0.0422	0.316	0.377	32.0	**10.0**	0.237		1510	1410
03/15/06	7.26	3.97	**0.025**	**0.025**	**0.155**		3.79	3.63	**0.0120**	**0.0120**	**0.0075**	0.0520	**0.75**	**2.50**	**0.0125**	**0.0125**	6230	5650	0.203		0.0408	0.0532	0.250	0.290	44.9	24.6	1.87	0.235	1720	1470
05/20/06	149	23.7	**0.0250**	**0.0250**	**0.155**	**0.155**	4.20	3.47	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	3760	3740	0.243	0.323	0.113	0.0624	0.458	0.412	480	217	0.106		1180	1170
06/15/06	18.6	9.58	**0.0206**	**0.0186**	**0.155**	**0.155**	3.12	2.90	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.40**	**2.73**	**0.0125**	**0.0125**	4480	4290	0.214		0.0490	0.0406	0.372	0.322	125	69.8	0.0676		1150	1140
07/23/06	16.8	9.23	**0.0158**	**0.0212**	**0.155**	**0.155**	4.32	4.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5870	5890	0.573	0.659	0.0526	0.0450	0.299		163	87.8	**0.050**		1560	1530
08/16/06	85.1	33.9	**0.0075**	**0.0075**	**0.155**	**0.334**	4.32	3.44	**0.0125**	**0.0250**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4400	3960	0.385	0.327	0.0864	0.0542	0.538	0.600	277	133	0.174	0.130	1230	1080
09/14/06	31.0	11.4	**0.0250**	**0.0250**	**0.155**	**0.155**	4.06	3.42	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4740	4320	**0.050**	**0.050**	0.0748	0.0470	0.343	0.402	339	124	**0.050**	0.163	1280	1210
11/03/06	11.9	7.73	**0.0075**	**0.0075**	**0.314**	**0.381**	3.63	4.13	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5880	6220	**0.100**	**0.050**	0.0416	0.0388	0.261	0.344	115	61.7	**0.050**	**0.050**	1540	1590
12/13/06	10.2	4.35	**0.0075**	**0.0172**	**0.155**	**0.155**	3.68		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5220	6250	**0.050**	**0.050**	0.0348	0.0392	0.225		73.3	28.7	0.427	**0.050**	1500	1730
02/16/07	10.4	5.15	**0.0250**	**0.0250**	**0.155**	**0.155**	3.93		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5740	6030	**0.100**	**0.100**	0.0462	0.0464	0.304	0.386	69.7	26.7	**0.0155**	**0.0155**	1490	1550
03/16/07	11.8	4.43	**0.0075**	**0.0250**	**0.155**	**0.155**	3.99	4.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5460	5420	**0.050**		0.0246	0.0422	0.270		35.5	**10.0**	0.115	**0.050**	1390	1470
04/22/07	85.5	33.4	**0.0075**	**0.0180**	**0.155**	**0.155**	4.27	3.93	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3960	3980	0.289	0.380	0.0660		0.454		285	174	**0.0740**	**0.0500**	1120	1130
05/12/07	47.6	53.8	**0.0244**	**0.0196**	**0.155**	**0.155**	2.98	2.83	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2230	2130	0.426		0.0624		0.472		239	201	0.117	**0.050**	474	530
06/18/07	17.3	7.40	**0.0250**	**0.0250**	**0.155**	**0.155**	3.39	3.29	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0188**	**0.0075**	4710	4350	0.271	**0.100**	0.0324	0.0244	1.23	0.274	116	73.5	0.912	**0.0155**	1280	1200
07/14/07	26.8	10.8	**0.0250**	**0.0250**	**0.366**	**0.155**	4.10	4.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5310	5510	0.372	0.410	0.0530	0.0416	0.305	0.339	219	131	**0.050**	**0.0155**	1370	1440
08/16/07	24.9	11.6	**0.0174**	**0.0262**	**0.358**	**0.155**	3.53	3.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5270	5650	0.267	0.261	0.0504	0.0350	0.326	0.378	235	162	**0.0155**	**0.0155**	1350	1430
09/17/07	26.4	14.9	**0.0075**	**0.0176**	**0.155**	**0.155**	3.88	3.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5430	5390	**0.100**	**0.100**	0.0430	0.0332	0.320	0.418	210	133	**0.0155**		1330	1330
10/15/07	22.8	9.83	**0.0075**	**0.0182**	**0.155**	**0.155**	3.80	3.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5760	5820	0.351	0.351	0.0430	0.0348	0.339		166	102	**0.0155**	**0.050**	1520	1510
11/11/07	18.3	10.8	**0.0162**	**0.0210**	**0.155**	**0.155**	3.34		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5100	5660	**0.100**	**0.100**	0.0300	0.0272	0.294		130	83.5	**0.0155**	**0.050**	1350	1400
12/10/07	23.5	10.7	**0.0075**	**0.0242**	**0.155**	**0.155**	3.44		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5170	6110	0.254	0.328	0.0340	0.0342	0.205		145	101	**0.0155**	**0.0155**	1350	1560
01/24/08	8.91	5.86	**0.0075**	**0.0152**	**0.155**	**0.155**	2.34		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0246**	3230		**0.100**	0.332	**0.0154**	0.0240	0.182		42.2	38.5	**0.050**	**0.050**	843	
02/20/08	11.9	5.30	**0.0075**	**0.0250**	**0.155**	**0.155**	3.87	4.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0250**	5420	5600	0.241	0.242	0.0248	0.0288	0.253		60.0	36.3	**0.050**	**0.050**	1310	1350
03/07/08																														
03/17/08	12.1	4.82	**0.0158**	**0.0318**	**0.155**	**0.155**	4.11		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0252**	**0.0220**	5740	6100	**0.183**	0.238	0.0302	0.0290	0.276	0.372	78.6	47.6	**0.0466**	**0.0388**	1500	1560
04/18/08	9.43	5.66	**0.0075**	**0.0163**	**0.155**	**0.155**	4.08		0.0873	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0395**	**0.0308**	5450	6310	0.477	0.455	0.0306	0.0326	1.00	0.802	71.9	48.8	**0.050**	**0.050**	1470	1670
05/19/08	75.5	17.5	**0.0075**	**0.0075**	**0.155**	**0.155**	3.52	2.98	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3700	3560	**0.100**	**0.100**	0.0600	0.0324	0.346		288	153	**0.050**	**0.0155**	1030	1020
06/13/08	72.5	13.9	**0.0075**	**0.0075**	**0.155**	**0.155**	3.18	2.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3730	3940	0.236		0.0573	0.0277	0.394	0.493	197	95.1	**0.050**	**0.0155**	988	1060
07/17/08	41.8	13.0	**0.0075**	**0.0075**	**0.155**	**0.155**	2.83	2.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3760	3980	**0.100**	**0.100**	0.0484	0.0243	0.416	0.359	209	66.1	**0.0155**	**0.0155**	960	1010
08/19/08	10.8	4.91	**0.0193**	**0.0075**	**0.155**	**0.155**	3.82	3.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5380	5470	**0.111**	0.266	0.0236	0.0212	0.331	0.342	83.9	55.4	**0.0516**	**0.0361**	1390	1360
09/18/08	56.8	19.1	**0.0184**	**0.0193**	**0.155**	**0.155**	4.33	3.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4720	4610	**0.100**	**0.100**	0.0890	0.0387	0.623	0.593	401	149	**0.0586**	**0.0155**	1260	1220
10/19/08	16.3	9.23	0.0579	**0.0236**	**0.155**	**0.318**	3.34	3.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5240	5360	0.207	0.209	0.0316	0.0343	0.310	0.382	131	70.2	**0.0155**	**0.0155**	1440	1500
11/22/08	417	5.61	**0.0075**	**0.0075**	0.601	**0.155**	8.55	4.68	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0197**	**0.0075**	6610	6320	0.735	**0.100**	0.317	0.0374	0.932	0.406	945	34.3	0.234	**0.0155**	1790	1800
12/08/08	19.5	7.29	**0.0075**	**0.0075**	**0.155**	**0.155**	3.79	3.97	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0155**	5330	5720	0.390	0.322	0.0393	0.0373	0.307		153	67.4	**0.0443**	**0.0415**	1500	1610
Mean	47.2	13.4	0.0900	0.0362	0.201	0.168	3.88	3.54	0.0131	0.0109	0.118	0.118	1.61	1.64	0.0131	0.0118	4820	4930	0.243	0.223	0.0575	0.0368	0.417	0.411	188	86.6	0.214	0.0600	1300	1320
Median	23.5	10.7	0.0162	0.0211	0.155	0.155	3.80	3.55	0.0125	0.0125	0.008	0.008	1.25	1.25	0.0078	0.0078	5030	5140	0.207	0.221	0.0484	0.0374	0.331	0.377	145	71.2	0.050	0.0500	1350	1360
St. Deviation	77.8	10.70	0.3052	0.0559	0.103	0.07	1.02	0.66	0.0118	0.0036	0.267	0.267	1.02	0.89	0.0105	0.0061	950	1020	0.171	0.153	0.0547	0.0124	0.245	0.151	177	59.7	0.481	0.0670	260	270
# of values	47	47	47	46	47	46	47	40	47	47	47	47	47	47	47	47	47	45	47	40	47	38	47	33	47	47	47	39	47	45
Minimum	7.26	3.97	0.00155	0.0075	0.125	0.125	2.34	1.76	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	2230	2130	0.031	0.031	0.0154	0.0034	0.182	0.262	29.3	10.0	0.0110	0.0155	474	530
Maximum	417	53.8	1.94	0.310	0.601	0.482	8.55	4.99	0.0873	0.025	0.75	0.75	5.80	5.00	0.0666	0.0308	6610	6320	0.735	0.659	0.317	0.0676	1.25	1	945	301	2.14	0.359	1790	1800
% of values undetected	6%	11%	57%	48%	77%	87%	0%	0%	91%	98%	98%	98%	98%	98%	98%	98%	0%	0%	32%	43%	11%	0%	0%	0%	0%	9%	60%	74%	0%	0%
# of values between MDL and PQL	0	0	11	18	8	4	0	0	3	1	0	0	3	3	5	4	0	0	7	1	2	1	0	0	0	0	5	5	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.056	0.055	NA	NA	10.98	10.56276	NA	NA	1.502	1.442	1000	1000	0.209	0.231	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	5%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100A																									
Sample Date																									
04/29/04	58.3	16.4	0.0048		**0.155**	**0.155**	0.426	0.400	409		**0.155**	**0.155**	3560	**0.0031**	**0.0031**	1910		**0.0125**	**0.0125**	**0.155**	**0.155**	1.22	**0.125**	4.36	5.53
05/19/04	7.81	5.64	0.0028		**0.155**	**0.155**	0.218	0.217	302	285	**0.155**	**0.155**	3680	**0.00310**	**0.00310**	1700	1880	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	**0.200**	2.63	2.21
05/22/04																									
06/02/04																									
06/15/04	5.32		**0.0009**		**0.155**	**0.155**	**0.100**	0.299	358	349	**0.155**	**0.155**	4150	**0.00310**	**0.00310**	2210	2190	**0.0125**	**0.0125**	**0.639**	**0.155**	**0.125**	**0.125**	**0.75**	**0.75**
07/14/04	7.30	6.67	**0.0005**		**0.326**	**0.409**	**0.100**	0.397	499	519	**0.155**	**0.155**	5060	**0.0031**	**0.0031**	2780	2860	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.338**	**0.75**	**0.75**
08/14/04																									
08/24/04	6.61	6.49	0.0013		**0.338**	**0.327**	**0.130**		435	439	**0.155**	**0.155**	5310	**0.0031**	**0.0031**	2540	2470	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.75**	**0.75**
09/15/04	9.02	7.84	**0.0005**		**0.318**	**0.155**	0.246	0.348	436	415	**0.155**	**0.155**	5160	**0.0031**	**0.0031**	2710	2640	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	202	1.78
10/17/04	11.6	12.0	**0.0005**		**0.155**	**0.155**	**0.167**		322	328	**0.155**	**0.155**	5140	**0.0031**	**0.0031**	2300	2400	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.261**	**0.125**	**0.75**	
01/28/05	4.48	4.28	0.0013		0.210	0.222	0.189	0.199	346	362	**0.0775**	**0.0775**	5840	**0.0031**	**0.0031**	2680	2760	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.75**	1.54
03/15/05	19.2	17.1	**0.000147**		0.260	0.324	**0.045**	0.124	364	383	**0.0396**	**0.0436**	4110	**0.001435**	**0.001435**	2700	2380	**0.002125**	**0.002125**	0.523	**0.0302**	0.238	0.166	**0.50**	
05/04/05	19.4	7.49	**0.0025**		**0.0559**	**0.050**	0.133		401	340	**0.0413**	**0.0326**	3980	**0.001435**	**0.001435**	1720	1410	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.494	0.152	**0.878**	1.53
06/03/05	6.00	4.29	**0.000450**		0.255	0.192	0.234		351	355	**0.0775**	**0.0775**	4330	**0.0031**	**0.0031**	2250	2230	**0.0031**	**0.0031**	**0.031**	**0.031**	0.567	**0.100**	**0.75**	**0.75**
07/09/05	19.5	13.1	**0.0025**		0.185	0.211	0.180	0.276	462	437	**0.0775**	**0.0775**	4550	**0.0031**	**0.0031**	2960	2810	**0.0031**	**0.0031**	**0.031**	**0.031**	0.515	**0.299**	2.6	
08/17/05	19.6	14.9	**0.000450**		0.391	0.275	0.341		509	482	**0.0775**	**0.0775**	5250	**0.0031**	**0.0031**	3370	3230	**0.0122**	**0.0031**	**0.031**	**0.031**	**0.389**	**0.100**	**0.75**	**0.75**
09/14/05	14.9	11.3	**0.0025**		0.253	0.211	0.287		363	377	**0.0775**	**0.0775**	5560	**0.0031**	**0.0031**	2450	2470	**0.0084**	**0.0031**	**0.031**	**0.031**	0.427	**0.367**	2.15	2.14
10/28/05	18.8	17.1	**0.000450**		0.198	0.229	0.334		443	451	**0.0775**	**0.0775**	6600	**0.0100**	**0.0031**	3490	3380	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	4.43	3.72
02/10/06	4.13	4.02	**0.000475**		0.176		0.324		368	372	**0.155**	**0.155**	5550	**0.0031**	**0.0031**	2860	2740	**0.0025**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.18	
03/15/06	8.39	6.57	**0.00119**		0.196	0.409	**0.171**		383	387	**0.155**	**0.311**	5390	**0.0031**	**0.0031**	3250	2830	**0.0025**	**0.0050**	**0.0155**	**0.050**	**0.110**	**0.110**	2.12	
05/20/06	25.5	10.7	**0.00250**		0.121	0.0958	0.240		617	637	**0.155**	**0.155**	1090	**0.0031**	**0.0031**	2110	2180	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.877	**0.370**	1.26	
06/15/06	6.64	4.94	**0.00250**		0.215	0.171	**0.197**		393	399	**0.155**	**0.155**	1470	**0.0031**	**0.0031**	2350	2370	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	0.792	
07/23/06	12.9	9.39	**0.00100**		0.267	0.249	0.253		481	494	**0.155**	**0.155**	5060	**0.0031**	**0.0031**	3030	3000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.21	1.69
08/16/06	17.6	8.07	**0.000475**		0.168	0.145	0.281	0.456	324	300	**0.155**	**0.155**	4510	**0.0031**	**0.0031**	2410	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.42	2.02
09/14/06	25.3	11.8	**0.00250**		0.183	0.171	**0.192**		443	412	**0.155**	**0.155**	3410	**0.0031**	**0.0031**	2400	2370	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.65	1.71
11/03/06	12.5	11.3	**0.000475**		0.201	0.219	0.202	0.309	415	435	**0.155**	**0.155**	6050	**0.0031**	**0.0031**	2780	2900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.618**	**0.704**	**0.50**	1.46
12/13/06	11.3	10.4	**0.000475**		0.209	0.249	0.230	0.341	368		**0.155**	**0.155**	5970	**0.0031**	**0.0074**	2780	3120	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.35	
02/16/07	13.9	12.4	**0.000169**		0.226	0.227	**0.100**	**0.100**	413	436	**0.155**	**0.155**	5320	**0.0031**	**0.0031**	2690	2730	**0.0122**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.33	
03/16/07	6.77	6.06	**0.000169**		0.250	0.236	**0.100**		351	374	**0.155**	**0.155**	5350	**0.0031**	**0.0031**	2650	2670	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.155**	3.44	3.60
04/22/07	18.5	21.6	**0.00205**		0.176	0.168	0.207		696	705	**0.155**	**0.155**	3570	**0.0031**	**0.0031**	2150	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.99	
05/12/07	19.2	11.8	**0.00101**		0.0866	0.0882	**0.100**		366	376	**0.155**	**0.155**	2760	**0.0031**	**0.0031**	1330	1260	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.76	
06/18/07	7.16	4.79	**0.000169**		0.251	0.242	0.354	0.224	436	385	**0.155**	**0.155**	4240	**0.0031**	**0.0031**	2620	2350	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.91	**0.50**
07/14/07	14.0	8.17	**0.000169**		0.246	0.256	0.218	0.331	408	439	**0.155**	**0.155**	4950	**0.0031**	**0.0066**	2770	2840	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	**0.50**
08/16/07	18.2	10.2	**0.00250**		0.279	0.296	0.233	0.280	434	471	**0.155**	**0.155**	5050	**0.0031**	**0.0031**	2820	3010	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.21	2.39
09/17/07	13.0	9.21	**0.00250**		0.242	0.241	**0.100**	0.311	399	418	**0.155**	**0.155**	4720	**0.0031**	**0.0031**	2720	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
10/15/07	14.2	11.1	**0.000169**		0.228	0.234	0.208	0.293	411	423	**0.155**	**0.155**	6270	**0.0031**	**0.0031**	2830	2810	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.48
11/11/07	8.08	6.15	**0.00250**		0.206	0.226	0.201	0.281	356	412	**0.155**	**0.155**	5540	**0.0031**	**0.0031**	2560	2610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
12/10/07	8.59	6.95	**0.000695**		0.203	0.230	**0.100**		373	440	**0.155**	**0.155**	6120	**0.0031**	**0.0031**	2640	2930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.49
01/24/08	4.87		**0.00075**		0.125		**0.100**		217		**0.155**	**0.155**	6290	**0.0031**	**0.0031**	1600		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.26	1.66
02/20/08	7.31	6.96	**0.00075**		0.203	0.210	**0.100**		367	392	**0.155**	**0.155**	5870	**0.0031**	**0.0031**	2710	2730	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.01	2.12
03/07/08																									
03/17/08	10.5	9.05	**0.00075**		0.222	0.233	**0.100**	0.245	379	416	**0.155**	**0.155**	5780	**0.0031**	**0.0031**	2900	2900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.03	
04/18/08	11.7	11.0	**0.00075**		0.171	0.211	0.251	0.328	401	470	**0.155**	**0.155**	5930	**0.0031**	**0.0031**	2890	3140	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.87	2.42
05/19/08	19.0	10.7	**0.00208**		0.127	0.122	**0.100**	0.220	414	420	**0.155**	**0.155**	3740	**0.0031**	**0.0031**	1850	1850	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.437**	**0.155**	1.21	1.75
06/13/08	10.8	4.88	**0.00075**		0.153	0.176	**0.100**	0.306	331	360	**0.155**	**0.155**	4770	**0.0031**	**0.0031**	2020	2220	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.328**	**0.155**	1.36	
07/17/08	18.1	7.58	**0.00075**		0.204	0.207	0.218	0.253	304	324	**0.155**	**0.155**	3880	**0.0031**	**0.0031**	1890	1940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.4
08/19/08	7.60	5.30	**0.00075**		0.259	0.236	**0.100**	0.242	452	453	**0.155**	**0.155**	4490	**0.0031**	**0.0031**	2680	2640	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.99	
09/18/08	28.9	10.5	**0.00177**		0.204	0.202	0.201	0.255	388	377	**0.155**	**0.155**	4310	**0.0031**	**0.0031**	2470	2330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.16	1.81
10/19/08	11.2	9.66	**0.00075**		0.195	0.198	0.219	0.368	375	393	**0.155**	**0.155**	5910	**0.0031**	**0.0031**	2680	2760	**0.0050**	**0.0050**	**0.050**		**0.155**	**0.155**	**0.50**	
11/22/08	96.4	11.5	0.00546		0.286	0.214	0.448	0.293	526	492	**0.155**	**0.155**	6810	**0.0031**	**0.0031**	3290	3390	**0.0050**	**0.0050**	**0.050**	**0.050**	1.27	**0.155**	3.61	2.38
12/08/08	19.5	17.5	**0.00075**		0.177	0.179	**0.174**	0.257	405	456	**0.155**	**0.155**	6160	**0.0031**	**0.0031**	2710	3040	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.48	
Mean	15.7	9.66	0.00131	NA	0.21	0.213	0.197	0.284	404	418	0.140	0.143	4860	0.0032	0.0032	2540	2570	0.006	0.0056	0.08	0.06	0.283	0.181	5.82	1.81
Median	12.5	9.39	0.00075	NA	0.204	0.211	0.201	0.287	399	414	0.155	0.155	5060	0.0031	0.0031	2680	2670	0.0050	0.0050	0.050	0.050	0.155	0.155	1.35	1.69
St. Deviation	15	4.04	0.00118	NA	0.064	0.070	0.091	0.077	79	76	0.034	0.042	1210	0.0011	0.0009	470	460	0.0034	0.003	0.114	0.042	0.263	0.102	29.3	1.07
# of values	47	45	47	0	47	45	47	28	47	44	47	47	47	47	47	47	45	47	47	47	46	47	47	47	29
Minimum	4.13	4.02	0.000147	NA	0.0559	0.050	0.045	0.100	217	285	0.0396	0.0326	1090	0.001435	0.001435	1330	1260	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.50	0.50
Maximum	96.4	21.6	0.00546	NA	0.391	0.409	0.448	0.456	696	705	0.155	0.311	6810	0.0100	0.0074	3490	3390	0.0125	0.0125	0.639	0.155	1.27	0.704	202	5.53
% of values undetected	0%	0%	72%		9%	13%	30%	4%	0%	0%	96%	94%	0%	98%	96%	0%	0%	94%	100%	96%	98%	72%	85%	34%	24%
# of values between MDL and PQL	0	0	8		4	2	6	0	0	0	2	3	0	0	2	0	0	3	0	1	0	5	5	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	8.55	8.53	NA	NA	5	4.6	NA	0.10281	0.087	NA	NA	NA	NA	NA	NA	NA	NA	19.59	19.32
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
% of DWS exceedences	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV		mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NK100A1																											
Sample Date																											
02/16/07	5.99	0.02	10.79	74.0	0.054	265	0.16	20.2	50.0	40.0	1.28	**1.57**	22.0	0.0940	**0.0155**	0.0830	0.0120	**0.05**	0.733	**0.0155**	3.27	**0.00075**	0.00500	**0.155**			0.0318
03/17/07	6.99	0.05	11.41	78.5	0.056	175	0.45	21.6	50.0	40.0	**0.150**	6.00	26.0	0.118	**0.0155**	0.109	0.0110	**0.05**	0.727	**0.0155**	3.46	**0.00075**	**0.00075**	**0.155**			0.0437
03/30/07	6.92	0.04	9.23	63.2	0.055	145																					
04/22/07	7.31	0.33	7.96	55.0	0.047	147.9	0.75	18.8	45.5	26.3	2.40	**1.57**	20.0	0.290	**0.0155**	0.277	0.0260	**0.0500**	0.840	0.0390	2.65	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/12/07	6.15	3.66	12.31	90.7	0.035	157.7	0.76	18.6	41.0	28.8	1.62	**1.57**	11.0	0.229			0.0137		0.752	0.0350	5.61	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/18/07	7.13	7.77	11.46	96.1	0.043	161	0.25	15.7	41.5	36.3	0.426	**1.57**	17.0	0.0715			**0.0050**		0.646	0.0630	2.28	**0.00075**	**0.00075**	**0.155**		1.08	**0.0155**
07/14/07	6.84	7.55	9.25	77.2	0.046	174.7	0.38	19.4	46.0	37.5	0.625	**1.57**	22.4	0.0810			**0.0050**		0.564	0.0450	2.01	**0.00075**	**0.00075**	**0.155**		1.48	**0.0155**
08/17/07	7.53	9.00	9.07	78.5	0.050	36	0.49	18.1	50.0	40.0	**0.150**	**1.57**	23.4	0.0465			0.0073		0.495	**0.0155**	2.21	**0.00075**	**0.00075**	**0.155**		1.10	0.0361
09/17/07	6.81	6.81	8.84	71.4	0.047	166.6	0.93	18.5	46.5	41.3	1.65	**1.57**	21.8	0.0670			0.0177		0.555	0.0320	1.95	**0.0025**	**0.00075**	**0.155**		1.34	**0.0155**
10/15/07	7.42	0.92	11.65	81.7	0.050	43.1	0.55	19.7	49.0	60.0	0.851	**1.57**	23.1	**0.050**			0.0134		0.618	0.0330	2.24	**0.00075**	**0.00075**	**0.155**		0.913	**0.0155**
11/11/07	6.95	0.22	12.74	87.7	0.050	127.5	0.59	19.1	49.5	36.3	0.400	**1.57**	23.0	0.122			0.0115		0.682	0.0340	2.33	**0.00075**	**0.00075**	**0.155**		1.33	**0.0155**
12/10/07	7.16	1.15	13.81	97.8	0.045	100.2	0.45	19.6	50.3	31.3	0.606	**1.57**	22.8	0.120			0.0170		0.639	**0.0155**	2.37	**0.00075**	**0.0025**	**0.155**		0.949	**0.0155**
01/25/08	4.86	-0.01	9.35	64.2	0.051	344.8	0.21	20.4	56.8	25.0	**0.1515**	5.25	23.1	**0.050**			0.0095		0.708	**0.0155**	2.75	**0.00075**	**0.00075**	**0.155**		0.651	**0.0155**
02/20/08	7.06	0	7.45	51.0	0.052	47.2	0.43	17.1	53.2	40.0	0.777	6.60	22.0	0.0745			**0.0050**		0.669	0.0320	2.86	**0.00075**	**0.00075**	**0.155**		0.721	**0.0155**
03/17/08	6.48	-0.01	10.33	70.8	0.053	266.0	0.19	20.0	53.6	40.0	**0.1745**	15.1	23.8	0.166			0.0089		0.660	0.0350	3.17	**0.00075**	**0.00075**	**0.155**		0.674	**0.0155**
03/25/08	6.68	-0.01	11.38	78.7	0.053	11.4																					
04/18/08	7.91	0.06	6.74	11.15	0.056	8.8	0.11	21.4	54.1	42.5	**0.1545**	4.26	23.5	0.145			0.0154		0.641	**0.0155**	3.28	**0.0025**	**0.00075**	**0.155**		0.605	**0.0155**
05/19/08	7.17	1.06	10.59	74.6	0.036	182.6	1.4	13.2	39.3	37.5	2.12	**1.57**	14.6	0.114			0.0256		0.632	**0.0155**	1.40	**0.0025**	0.00530	**0.155**		2.12	0.0479
06/13/08	6.55	4.34	10.01	77.1	0.035	187.2	0.46	13.9	34.8	27.5	0.600	**1.57**	15.6	0.156			0.0088		0.351	**0.0155**	1.45	**0.0025**	**0.00075**	**0.155**		1.62	0.118
07/17/08	6.54	7.62	7.19	60.1	0.035	190.3	1.12	13.9	36.9	21.3	1.23	**1.57**	15.9	**0.0155**			0.0207		0.442	0.0910	1.30	**0.0025**	**0.00075**	0.52		1.74	**0.0155**
08/19/08	7.50	6.84	7.83	64.5	0.050	124.2	0.4	20.4	50.2	36.3	0.235	**1.57**	24.0	0.0375			0.0264		0.477	0.0360	2.47	**0.0025**	**0.00075**	**0.155**		0.591	**0.050**
09/18/08	6.57	6.52	7.86	64.0	0.046	170.0	1.04	13.4	42.1	32.5	3.40	**1.57**	16.8	0.0565			0.0153		0.675	0.0420	1.40	**0.00075**	**0.00075**	0.44		3.58	**0.050**
10/19/08	6.60	-0.03	10.84	74.1	0.051	207.1	0.55	20.2	53.6	36.3	0.213	**1.57**	23.8	0.0815			0.0184		0.681	**0.0155**	2.36	**0.00075**	**0.00075**	**0.155**		0.953	**0.050**
12/08/08	6.69	0.04	10.72	73.2	0.054	197.9	0.35	20.4	57.1	25.0	0.421	**1.57**	24.0	0.166			0.0155		0.653	**0.0155**	2.61	**0.00075**	**0.00075**	**0.155**		0.501	**0.050**
Mean	6.83	2.66	9.95	71.5	0.048	151.6	0.5	18.3	47.8	35.5	0.892	2.90	20.9	0.107	0.0155	0.156	0.0140	0.05	0.629	0.0305	2.52	0.00123	0.00123	0.185	NA	1.22	0.0309
Median	6.88	0.63	10.17	74.1	0.050	163.8	0.5	19.3	49.8	36.3	0.603	1.57	22.6	0.088	0.0155	0.109	0.0140	0.0500	0.650	0.0320	2.37	0.00075	0.00075	0.155	NA	1.02	0.0155
St. Deviation	0.61	3.35	1.87	17.4	0.007	81.9	0.3	2.6	6.3	8.3	0.872	3.16	3.9	0.066	0	0.105	0.0070	0	0.111	0.0189	0.93	0.00080	0.00132	0.096	NA	0.74	0.0245
# of values	24	24	24	24	24	24	22	22	22	22	22	22	22	22	3	3	22	3	22	22	22	22	22	22	0	18	22
Minimum	4.86	-0.03	6.74	11.15	0.035	8.8	0.11	13.2	34.8	21.3	0.15	1.57	11.0	0.0155	0.0155	0.083	0.0050	0.0500	0.351	0.0155	1.30	0.00075	0.00075	0.155	NA	0.501	0.0155
Maximum	7.91	9	13.81	97.8	0.056	344.8	1.4	21.6	57.1	60.0	3.40	15.1	26.0	0.290	0.0155	0.277	0.0264	0.0500	0.840	0.0910	5.61	0.0025	0.00530	0.52	NA	3.58	0.118
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	77%	0%	14%	100%	0%	14%	100%	0%	45%	0%	100%	91%	91%		0%	77%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	7	4	0	9	0	1	4	0	0	12	0	0	0	2		0	4
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.94
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	17%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	NA	0%	0%
% of DWS exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100A1																														
Sample Date																														
02/16/07	12.5	3.71	**0.0250**	**0.0250**	**0.155**	**0.155**	3.44		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5650	6550	**0.100**	0.203	0.0308	0.0348	0.208		39.3	**10.0**	**0.0155**	**0.0155**	1480	1580
03/17/07	10.9	3.11	**0.0250**	**0.0250**	**0.155**	**0.155**	3.74	3.68	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0152	**0.0075**	6180	6880	**0.050**	**0.100**	0.0394	0.0218	0.264	0.277	25.7	**10.0**	**0.0155**		1510	1340
03/30/07																														
04/22/07	67.2	13.5	0.177	0.0194	**0.155**	**0.155**	4.14	3.65	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0944	**0.0075**	5240	5030	0.350	0.172	0.0538		0.405		156	53.4	0.619	0.0346	1400	1370
05/12/07	39.2	19.1	0.197	0.0282	**0.155**	**0.155**	3.56	3.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.110	0.0378	6090	5810	0.284	0.434	0.154	0.119	3.16	2.92	209	103	1.38	**0.050**	814	788
06/18/07	12.6	7.38	**0.0250**	**0.0250**	**0.155**	**0.155**	2.67	2.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	0.0162	4350	4010	0.269	**0.100**	0.0190	**0.0100**	0.277	0.301	61.8	37.9	**0.050**		1170	1100
07/14/07	13.9	6.08	**0.0075**	**0.0250**	**0.155**	**0.155**	3.57	3.67	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5410	5280	0.252	0.305	0.0346	0.0298	0.335	0.291	90.3	55.5	**0.0155**	**0.0155**	1420	1410
08/17/07	8.45	4.08	0.0386	0.0242	**0.155**	**0.155**	3.05	3.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5080	5340	0.134	0.154	0.0230	0.0260	0.380	0.246	50.2	31.2	**0.0155**	**0.0155**	1310	1390
09/17/07	31.3	9.54	**0.0075**	0.0238	**0.155**	**0.155**	3.74	4.23	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0344	0.0274	5300	6020	0.219	0.207	0.0362	0.0258	0.387		143	70.3	**0.050**	**0.050**	1290	1450
10/15/07	20.5	6.33	**0.0075**	0.0158	**0.155**	**0.155**	3.23	3.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5510	5540	0.211	0.282	0.0288	0.0206	0.265		104	46.7	**0.0155**	**0.050**	1430	1440
11/11/07	34.7	7.54	0.0194	0.0330	**0.155**	**0.155**	3.24		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5420	6180	0.209	**0.100**	0.0338	0.0208	0.269		130	54.5	**0.050**	**0.050**	1360	1530
12/10/07	22.5	7.07	0.0188	0.0220	**0.155**	**0.155**	3.27		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5520	6380	0.437	0.387	0.0344	**0.0100**	0.267	0.326	117	62.6	**0.050**	**0.0155**	1430	1610
01/25/08	12.2	5.44	**0.0075**	0.0160	**0.155**	**0.155**	3.51	3.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5760	5610	0.300		0.0178	0.0176	0.256		36.5	23.0	**0.0155**	**0.050**	1470	1400
02/20/08	9.66	4.24	**0.0075**	**0.0250**	**0.155**	**0.155**	3.08	3.64	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4940	5780	0.235	0.342	**0.0100**	0.0252	0.207		34.8	23.7	**0.0155**	**0.050**	1160	1350
03/17/08	11.8	4.81	**0.0075**	0.0290	**0.155**	**0.155**	3.50		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5670	6380	0.125		0.0214	0.0210	1.13	0.480	43.2	29.4	**0.0155**	0.0364	1420	1530
03/25/08																														
04/18/08	40.5	3.99	**0.0075**	**0.0075**	**0.155**	**0.155**	3.68		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5990	6730	0.392	0.385	0.0196	0.0224	0.276	0.345	43.6	30.0	**0.0155**	0.120	1560	1740
05/19/08	64.9	17.6	**0.0075**	**0.0075**	0.325	**0.155**	3.19	2.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3630	3730	**0.100**	**0.100**	0.0541	0.0231	0.287	0.330	242	111	**0.050**	**0.0155**	993	1000
06/13/08	26.3	14.2	**0.0075**	**0.0075**	**0.155**	**0.155**	2.61	2.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3880	3830	0.233	0.238	0.0239	0.0244	0.243		116	71.9	**0.0155**	**0.050**	1030	1010
07/17/08	28.8	14.4	**0.0075**	**0.0075**	**0.155**	**0.155**	2.45	2.58	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3940	3920	**0.100**	**0.050**	0.0263	0.0221	0.278		115	51.5	**0.0155**	**0.0155**	989	994
08/19/08	7.96	3.87	0.0158	0.0178	**0.155**	**0.155**	3.38	3.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5750	5720	0.137	**0.050**	0.0201	0.0194	0.216		57.1	35.1	**0.0155**	**0.0155**	1470	1480
09/18/08	76.6	27.4	**0.0075**	0.0161	**0.155**	**0.155**	3.16	2.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3730	4070	**0.100**	**0.100**	0.0737	0.0332	0.603	0.613	284	77.5	0.0320	**0.0155**	994	1070
10/19/08	18.5	7.54	**0.0075**	0.0213	**0.155**	**0.155**	3.36	3.19	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5600	5420	0.241	0.203	0.0295	0.0231	0.277		100	49.2	**0.0155**	**0.0155**	1520	1470
12/08/08	10.5	4.25	**0.0075**	**0.0075**	**0.155**	**0.155**	3.25	3.20	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5610	5470	0.237	0.149	0.0187	0.0144	0.196		78.4	29.3	**0.0155**	0.0511	1540	1540
Mean	26.4	8.87	0.0291	0.0200	0.163	0.155	3.31	3.26	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0177	0.0102	5190	5440	0.214	0.203	0.0365	0.0269	0.463	0.613	103	48.5	0.1135	0.0366	1310	1350
Median	19.5	6.70	0.0075	0.0220	0.155	0.155	3.32	3.28	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5470	5580	0.226	0.188	0.0292	0.0224	0.277	0.328	95.0	48.0	0.0155	0.0355	1410	1410
St. Deviation	20.3	6.29	0.0519	0.0080	0.036	0	0.39	0.47	0	0	0	0	0	0	0.0281	0.0077	780	970	0.102	0.118	0.0300	0.0220	0.634	0.818	70.0	26.7	0.3102	0.0256	220	240
# of values	22	22	22	22	22	22	22	17	22	22	22	22	22	22	22	22	22	22	22	20	22	21	22	10	22	22	22	20	22	22
Minimum	7.96	3.11	0.0075	0.0075	0.155	0.155	2.45	2.53	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3630	3730	0.05	0.05	0.0100	0.0100	0.196	0.246	25.7	10.0	0.0155	0.0155	814	788
Maximum	76.6	27.4	0.197	0.0330	0.325	0.155	4.14	4.23	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.110	0.0378	6180	6880	0.437	0.434	0.154	0.119	3.16	2.92	284	111	1.38	0.120	1560	1740
% of values undetected	0%	0%	73%	45%	95%	100%	0%	0%	100%	100%	100%	100%	100%	100%	82%	86%	0%	0%	23%	35%	5%	10%	0%	0%	0%	9%	86%	80%	0%	0%
# of values between MDL and PQL	0	0	4	12	1	0	0	0	0	0	0	0	0	0	2	3	0	0	3	3	4	3	0	0	0	0	1	3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.061	0.061	NA	NA	10.98	10.56276	NA	NA	1.677	1.610	1000	1000	0.247	0.268	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	5%	10%	0%	0%	9%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100A1																										
Sample Date																										
02/16/07	2.69	1.32	**0.000169**		0.235	0.271	**0.100**	**0.100**	426	494	**0.155**	**0.155**	5640	**0.0031**	**0.0031**	2700	2830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.07	
03/17/07	1.97	1.26	**0.000169**		0.326	0.317	0.219	0.231	441	506	**0.155**	**0.155**	5040	**0.0031**	**0.0031**	2790	2590	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
03/30/07																										
04/22/07	9.88	11.9	**0.000805**		0.215	0.197	0.237		611	593	**0.155**	**0.155**	4600	**0.0031**	**0.0031**	2590	2520	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.38	3.73
05/12/07	37.3	27.8	**0.000712**		0.540	0.518	0.494		478	467	**0.155**	**0.155**	3000	**0.0031**	**0.0031**	1360	1330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	8.51	7.46
06/18/07	2.31	1.32	**0.000169**		0.247	0.227	0.201	**0.100**	381	362	**0.155**	**0.155**	4100	**0.0031**	**0.0031**	2370	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.45
07/14/07	3.56	2.20	**0.000169**		0.266	0.268	0.224	0.323	423	441	**0.155**	**0.155**	5110	**0.0031**	**0.0031**	2850	2710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	**0.50**
08/17/07	2.66	1.58	**0.000169**		0.261	0.275	**0.100**	0.270	403	430	**0.155**	**0.155**	4880	**0.0031**	**0.0031**	2580	2710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	**0.50**
09/17/07	6.36	2.88	**0.000169**		0.241	0.274	**0.100**	0.312	422	497	**0.155**	**0.155**	5750	**0.0031**	**0.0031**	2630	2940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.26	2.51
10/15/07	4.78	2.44	**0.00250**		0.229	0.233	**0.100**	0.369	422	438	**0.155**	**0.155**	6350	**0.0031**	**0.0031**	2660	2710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.55	**0.50**
11/11/07	6.17	1.55	**0.00250**		0.229	0.251	**0.100**		401	462	**0.155**	**0.155**	6050	**0.0031**	**0.0031**	2810	2820	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.27
12/10/07	3.08	1.11	**0.000479**		0.205	0.245	0.204	0.249	416	490	**0.155**	**0.155**	6500	**0.0031**	**0.0031**	2780	3060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.43	3.11
01/25/08	2.01	1.19	**0.00075**		0.284	0.301	**0.100**	0.321	390	403	**0.155**	**0.155**	6020	**0.0031**	**0.0031**	2760	2970	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
02/20/08	1.84	1.63	**0.00075**		0.255	0.296	**0.100**		358	425	**0.155**	**0.155**	6250	**0.0031**	**0.0031**	2400	2850	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
03/17/08	2.15	1.10	**0.00075**		0.277	0.288	**0.100**		397	460	**0.155**	**0.155**	5870	**0.0031**	**0.0031**	2760	2890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
03/25/08																										
04/18/08	2.26	1.34	**0.00075**		0.278	0.306	0.225		426	499	**0.155**	**0.155**	6400	**0.0031**	**0.0031**	3050	3250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.11	
05/19/08	12.0	4.34	**0.00203**		0.113	0.118	**0.100**	**0.100**	413	417	**0.155**	**0.155**	3780	**0.0031**	**0.0031**	1770	1840	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.371**	**0.155**	1.32	1.26
06/13/08	3.81	2.57	**0.00150**		0.174	0.163	**0.100**		346	347	**0.155**	**0.155**	4590	**0.0031**	**0.0031**	2090	2090	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.75	2.31
07/17/08	4.17	1.98	**0.00075**		0.199	0.211	0.202	0.228	311	321	**0.155**	**0.155**	4040	**0.0031**	**0.0031**	1980	1980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.15	1.08
08/19/08	2.92	1.78	**0.00075**		0.282	0.284	**0.100**	0.223	458	466	**0.155**	**0.155**	5150	**0.0031**	**0.0031**	2840	2860	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.37	1.79
09/18/08	15.2	3.45	**0.00275**		0.166	0.183	**0.100**	**0.100**	294	322	**0.155**	**0.155**	4170	**0.0031**	**0.0031**	1950	2140	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.88	2.10
10/19/08	4.97	2.62	**0.00194**		0.212	0.212	0.215	0.289	423	416	**0.155**	**0.155**	5930	**0.0031**	**0.0031**	2780	2710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.52	2.49
12/08/08	2.35	1.27	**0.00250**		0.192	0.182	**0.153**	0.273	435	440	**0.155**	**0.155**	6040	**0.0031**	**0.0031**	2750	2740	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
Mean	6.11	3.57	0.00106	NA	0.247	0.255	0.160	0.233	413	441	0.155	0.155	5240	0.0031	0.0031	2510	2580	0.0050	0.0050	0.050	0.050	0.165	0.155	1.81	2.14
Median	3.32	1.71	0.00075	NA	0.238	0.260	0.100	0.249	419	441	0.155	0.155	5400	0.0031	0.0031	2680	2710	0.0050	0.0050	0.050	0.050	0.155	0.155	1.13	1.79
St. Deviation	7.80	5.87	0.00090	NA	0.081	0.078	0.090	0.092	62	65	0	0	990	0	0	420	460	0	0	0	0	0.046	0	2.06	1.76
# of values	22	22	22	0	22	22	22	15	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	15	
Minimum	1.84	1.10	0.000169	NA	0.113	0.118	0.100	0.100	294	321	0.155	0.155	3000	0.0031	0.0031	1360	1330	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
Maximum	37.3	27.8	0.00275	NA	0.540	0.518	0.494	0.369	611	593	0.155	0.155	6500	0.0031	0.0031	3050	3250	0.0050	0.0050	0.050	0.050	0.371	0.155	8.51	7.46
% of values undetected	0%	0%	68%		0%	0%	55%	27%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	95%	100%	41%	20%	
# of values between MDL and PQL	0	0	7		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	9.54	9.51	NA	NA	5	4.6	NA	0.128355	0.109	NA	NA	NA	NA	NA	NA	NA	NA	21.86	21.55
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV		mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NK100B																											
Sample Date																											
06/02/04													22.0														
08/24/04	7.91	13.37	12.42	120.3	0.067	201	0.3	21.5	65	37.5	0.9	**1.57**	27.5	**0.81**			**0.0155**		0.616	**0.0330**	2.32	**0.00125**	**0.00125**	**0.20**			**0.0155**
09/15/04	7.27	5.27	12.04	95.6	0.068	271		21.5	65	55.0	1.3	**1.57**	29.8	**0.155**			**0.0155**		0.714	**0.0400**	2.58	**0.0025**	**0.0027**	**0.23**			**0.048**
10/18/04	6.64	2.30	13.73		0.043			15.3	48	18.8	0.9	**1.57**	20.0	**0.37**			**0.0155**		0.924	**0.0155**	2.77	**0.0036**	**0.00125**	**0.41**			**0.0155**
01/29/05	6.44	0	12.48		0.064	121	6.1	25.2	70	48.8	0.6	**0.785**	32.0	1.05			0.0514		0.719	**0.0340**	2.98	**0.00125**	**0.00125**	**0.57**			**0.05**
03/20/05	7.45	0.12	12.04	84.0	0.077	-12	2		60	45.0	0.7	**3.50**	31.5	0.39			0.0457		0.795	**0.0360**	3.08	**0.00125**	**0.00125**	**0.15**			**0.046**
05/08/05	6.04	2.50	11.50	84.3	0.029	166.4	2.6	10.4	24	23.7	5.7	**3.75**	**9.50**	**0.06**			0.0790		0.569	**0.0155**	2.91	**0.00125**	**0.00125**	**0.39**			**0.0155**
06/04/05	7.55	8.77	11.11	96.6	0.044	87	4.3		36.5	28.8	2.3	**2.00**	16.0	0.11			0.0125					**0.00125**	**0.00125**	**0.17**			**0.0155**
06/05/05								13.4											0.494	**0.0155**	1.77						
07/09/05	7.01	18.62	6.75	72.0	0.049	-100.3	0.83	19.4	55	35.0	1.4	**0.785**	22.5	**0.0155**			0.0770		0.472	**0.0500**	1.61	**0.0025**	**0.0025**	**0.16**			**0.0155**
08/17/05	8.36	11.68	10.17	93.7	0.058	-139.6	1	24.7	60	46.3	0.521	**2.00**	27.5	0.956			0.0210		0.521	**0.0155**	2.01	**0.00125**	**0.0030**	**0.72**			**0.031**
09/13/05	6.36	8.34	11.64	99.1	0.038	153.1	1.13	15.8	39	37.5	1.15	**2.00**	16.0	**0.0155**			**0.0110**		0.733	**0.0155**	1.64	**0.00125**	**0.0048**	**0.44**			**0.0155**
10/28/05	6.26	0.36	12.17	84.4	0.053	176.4	1.45	22.5	55	43.8	1.0	**2.63**	25.5	0.576			**0.0140**		0.742	**0.0155**	2.64	**0.00125**	**0.00125**	**0.25**			0.126
02/09/06	5.93	0.06	11.15	76.3	0.068	91.2	0.77	28.4	55.0	66.2	0.612	**4.75**	34.0	0.139			**0.0150**		0.794	**0.0155**	3.09	**0.00125**	**0.00125**	**0.0295**			**0.05**
03/13/06	6.67	0.04	10.49	71.8	0.068	68.7	0.61	31.9	70.0	57.5	**0.309**	**2.50**	36.0	0.156			0.0120		0.724	**0.0155**	6.82	**0.00125**	**0.00125**	**0.155**			0.13
04/01/06	6.69	0.04	10.82	74.1	0.068	77.7																					
05/20/06	5.89	0.26	9.02	62.1	0.034	-28	1.45	12.1	33.0	38.7	3.11	**3.50**	**12.0**	0.518	**0.0155**	0.508	0.0360	**0.0155**	1.09	**0.0155**	1.48	**0.00125**	**0.00125**	**0.155**			0.137
06/15/06	7.05	9.50	6.58	57.5	0.040	-55	0.87	17.7	36.0	40.0	0.980	**1.75**	20.0	**0.0155**	**0.0155**	**0.0155**	0.0110	**0.0155**	0.637	**0.0360**	1.70	**0.00125**	**0.00125**	**0.155**			**0.0155**
07/23/06	7.02	10.11	6.94	61.7	0.051	174.1	0.62	23.1	50.0	45.0	0.600	**0.785**	25.0	**0.0630**	**0.0155**	**0.0630**	0.0140	**0.05**	0.523	**0.0440**	2.14	**0.00105**	**0.0025**	**0.155**			**0.0380**
08/16/06	7.34	8.83	7.93	68.3	0.037	195.6	0.49	16.4	36.0	37.5	0.938	**1.57**	15.0	**0.0155**	**0.0500**	**0.0155**	0.0150	**0.05**	0.385	**0.0330**	1.43	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/14/06	5.66	7.85	8.89	75.0	0.029	168.5	2.23	10.9	28.0	43.8	9.26	**3.50**	**9.00**	**0.0595**	**0.0155**	**0.0595**	0.0430		1.38	**0.0820**	1.43	**0.00075**	**0.00075**	**0.45**			**0.0155**
11/03/06	6.62	0.01	10.23	69.9	0.053	125.4	0.6	21.6	50.0	31.3	0.825	**1.57**	25.0	**0.0155**	**0.0155**	**0.0155**	0.0220	**0.05**	0.705	**0.0155**	2.19	**0.00075**	**0.00075**	**0.155**			**0.0155**
12/13/06	7.50	0.03	10.23	70.1	0.066	103.2	0.56	24.7	55.0	36.2	**0.421**	**1.57**	30.0	**0.050**	**0.0155**	**0.0500**	0.0300	**0.05**	0.710	**0.0155**	2.78	**0.00075**	**0.0020**	**0.155**			**0.050**
02/16/07	7.30	0.10	11.15	76.4	0.068	153.1	0.54	25.3	60.0	48.8	**0.816**	**3.50**	26.0	**0.0870**	**0.0155**	**0.0725**	**0.00155**	**0.05**	0.684	**0.0155**	2.55	**0.00075**	**0.00075**	**0.155**			**0.0338**
03/17/07	5.82	0.04	10.29	70.5	0.069	265.2	0.82	26.4	60.0	36.3	**0.800**	**4.50**	32.0	0.136	**0.0155**	0.126	0.0250		0.683	**0.0155**	2.99	**0.00075**	**0.00075**	**0.155**			**0.0155**
03/30/07	6.76	0.05	8.90	61.0	0.053	23.0																					
04/22/07	6.24	0.07	7.92	54.3	0.045	166.0	0.9	18.9	44.0	37.5	1.47	**1.57**	22.0	**0.0750**	**0.0155**	**0.0615**	0.0180	**0.05**	0.841	**0.0350**	1.92	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/12/07	6.22	4.53	11.21	86.7	0.031	153.8	0.81	18.1	39.5	18.8	1.70	**1.57**	11.0	0.215			0.0167		0.762	**0.0340**	5.67	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/18/07	7.11	8.82	11.04	95.4	0.036	166.6	0.51	17.2	42.5	36.3	0.500	**1.57**	20.5	**0.0675**			0.0187		0.565	**0.0630**	1.89	**0.00075**	**0.00075**	**0.155**		1.55	**0.0155**
07/14/07	7.11	10.08	8.63	76.5	0.049	194.5	0.8	21.9	48.0	46.3	2.71	**1.57**	24.0	**0.0155**			0.0175		0.486	**0.0450**	1.60	**0.00075**	**0.00075**	**0.155**		2.01	**0.0155**
08/16/07	8.19	14.96	8.64	85.7	0.053	30.7	1.35	19.7	50.0	45.0	0.909	**1.57**	25.7	**0.0155**			0.0211		0.409	**0.0155**	1.48	**0.00075**	**0.00075**	**0.155**		2.29	**0.0320**
09/17/07	6.62	6.64	9.29	75.9	0.046	130.9	1.12	19.5	46.0	45.0	1.56	**1.57**	21.7	**0.0355**			0.0257		0.505	**0.0155**	1.44	**0.0025**	**0.00075**	**0.155**		2.02	**0.050**
10/15/07	5.05	0.34	13.49	93.2	0.047	262.3	0.72	20.7	48.0	31.3	0.989	**1.57**	23.4	**0.050**			0.0195		0.590	**0.0310**	1.91	**0.0025**	**0.00075**	**0.155**		1.19	**0.0155**
11/11/07	6.65	0.23	10.54	72.5	0.051	118.2	0.78	20.0	50.0	27.5	1.40	**1.57**	23.7	**0.0800**			0.0234		0.604	**0.0155**	2.01	**0.00075**	**0.00075**	**0.155**		1.70	**0.0155**
12/10/07	7.40	0.25	11.73	81.0	0.053	167.5	0.65	22.2	51.6	40.0	1.20	**1.57**	24.6	0.104			0.0158		0.584	**0.0155**	2.08	**0.00075**	**0.0025**	**0.155**		0.941	**0.0155**
01/25/08	6.06	0.05	9.43	64.8	0.063	99.8	0.96	26.8	68.8	**1.55**	1.03	**5.98**	29.4	**0.050**			0.0226		0.708	**0.0155**	2.58	**0.00075**	**0.00075**	**0.63**		1.38	**0.0155**
02/20/08	6.90	0.05	6.77	46.4	0.064	134.8	0.75	25.7	66.8	48.8	**0.612**	**6.54**	30.0	**0.0625**			0.0184		0.583	**0.0310**	2.34	**0.00075**	**0.0025**	**0.155**		0.692	**0.0319**
03/17/08	6.39	0	7.71	52.7	0.067	124.9	0.83	28.8	69.2	56.3	1.41	19.0	32.7	0.142			0.0227		0.600	**0.0390**	2.36	**0.00075**	**0.00075**	**0.155**		1.32	**0.0155**
03/25/08	6.23	0	10.00	68.5	0.710	35.6																					
04/18/08	7.09	0.04	9.93	68.1	0.070	189.0	1.05	27.7	68.9	53.8	**0.150**	**6.18**	33.7	0.127			0.0194		0.595	**0.0330**	3.13	**0.0025**	**0.00075**	**0.155**		1.08	**0.0469**
05/19/08	7.25	0.06	9.29	63.6	0.026	156.3	1.45	11.4	31.3	27.5	8.14	**1.57**	12.1	**0.095**			0.0257		0.387	**0.0630**	1.04	**0.0025**	**0.0025**	**0.155**		2.93	0.139
06/13/08	6.48	6.28	9.89	80.1	0.034	136.9	0.82	14.4	35.3	33.8	1.51	**1.57**	15.0	**0.0155**			**0.0095**		0.478	**0.0155**	1.39	**0.00075**	**0.00075**	**0.155**		1.94	0.167
07/17/08	6.78	8.08	6.32	53.4	0.037	139.8	1.13	16.6	34.2	32.5	1.51	**1.57**	17.6	**0.0155**			0.0228		0.345	**0.0370**	1.23	**0.0025**	**0.00075**	**0.155**		3.20	**0.0155**
08/19/08	7.56	9.40	7.24	63.2	0.059	20.1	1.04	23.7	53.3	42.5	1.01	**1.57**	26.6	**0.0155**			0.0382		0.473	**0.0330**	1.82	**0.0016**	**0.00075**	**0.155**		1.45	**0.050**
09/18/08	6.41	6.88	7.34	60.3	0.040	172.8	1.07	15.0	42.5	26.3	3.30	**1.57**	20.4	**0.0465**			0.0263		0.397	**0.0155**	0.716	**0.00075**	**0.00075**	**0.42**		3.37	**0.050**
10/19/08	6.36	-0.06	11.1	75.7	0.044	252.3	0.65	20.6	51.8	36.3	0.526	**1.57**	23.4	**0.0425**			0.0101		0.599	**0.0360**	1.84	**0.00075**	**0.00075**	**0.155**		1.29	**0.050**
11/22/08	6.41	0.06	8.51	58.4	0.061	213.8	1.4	25.5	65.4	51.3	1.46	**4.24**	28.2	0.108			0.0210		0.595	**0.0155**	2.13	**0.00075**	**0.00075**	**0.155**		0.808	**0.050**
12/08/08	6.50	0.10	11.25	77.1	0.063	152.9	1.05	23.9	65.3	35.0	1.46	**4.20**	28.8	0.114			0.0891		0.584	**0.0330**	2.17	**0.00075**	**0.00075**	**0.155**		0.786	**0.0531**
Mean	6.75	4.02	9.91	74.5	0.066	122.4	1.20	20.6	50.8	39.0	1.62	2.82	24.0	0.169	0.0190	0.0987	0.0252	0.0414	0.635	0.0285	2.27	0.0013	0.00130	0.222	NA	1.68	0.0415
Median	6.66	0.3	10.20	73.3	0.053	139.8	0.87	21.1	50.0	37.5	1.01	1.57	24.0	0.075	0.0155	0.0605	0.0195	0.0500	0.599	0.0310	2.08	0.00105	0.00075	0.155	NA	1.45	0.0310
St. Deviation	0.67	5.04	1.91	14.7	0.098	91.3	1	5.3	12.7	11.8	1.86	2.92	7.0	0.250	0.0109	0.1477	0.0185	0.0160	0.190	0.0158	1.08	0.0007	0.00087	0.147	NA	0.80	0.0393
# of values	46	46	46	44	46	45	41	42	43	43	43	43	44	43	10	10	43	8	43	43	43	43	43	43	0	19	43
Minimum	5.05	-0.06	6.32	46.4	0.026	-139.6	0.3	10.4	24.0	1.55	0.15	0.785	9.0	0.0155	0.0155	0.0155	0.00155	0.0155	0.345	0.0155	0.716	0.00075	0.00075	0.0295	NA	0.692	0.0155
Maximum	8.36	18.62	13.73	120.3	0.71	271	6.1	31.9	70.0	66.2	9.26	19.0	36.0	1.05	0.0500	0.508	0.0891	0.050	1.38	0.0820	6.82	0.0036	0.0048	0.72	NA	3.37	0.167
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	60%	0%	33%	100%	40%	12%	100%	0%	56%	0%	98%	95%	72%		0%	72%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	5	18	3	15	0	4	5	0	0	21	0	3	4	14		0	9
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.99
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	39%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100B																														
Sample Date																														
06/02/04																														
08/24/04	**12.5**	**3.90**	**0.0385**		0.423	0.695	2.40	2.30	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5800	5810	0.183		**0.0500**		0.271	0.319	199	125	**0.050**	**0.050**	1700	1710
09/15/04	26.1	**12.5**	**0.0385**	**0.0385**	0.305	0.291	3.06	2.85	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5790	5610	0.183	0.141	**0.0500**		0.292	0.439	244	153	**0.050**	**0.050**	1720	1740
10/18/04	35.9	**12.5**	**0.0385**	**0.0385**	**0.125**	0.330	2.60	2.45	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4180	4130	0.234	0.265	**0.0500**		0.920		151	101	0.138	0.269	1170	1170
01/29/05	17.0	4.72	0.0190	0.0198	**0.125**	**0.125**	3.53	3.23	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6940	6770	0.511	0.443	0.0356	0.0260	0.194	0.222	237	134	**0.0155**	**0.0155**	1920	1920
03/20/05																														
05/08/05	170	33.3	0.0177	**0.010**	0.331	0.192	3.90	2.64	0.0067	0.00404	**0.003835**	**0.003835**	1.84		**0.003095**	0.00929	2970	2710	0.102	**0.03565**	0.128	0.0615	0.413	0.354	376	132	**0.035**		734	694
06/04/05																														
06/05/05	31.0	10.0	0.0114		**0.125**	**0.125**	2.01	2.12	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	3660	4170	**0.031**	0.220	0.0416	**0.00155**	0.221	0.245	156	89.3	**0.050**		1030	1140
07/09/05	34.3	9.74	**0.005**	0.0144	0.699	0.417	2.67	2.18	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	5240	5370	0.452	0.342	0.0404	0.0098	0.337	0.276	314	133	**0.0155**	0.129	1530	1540
08/17/05	15.9	5.25	0.0396	0.011	**0.125**	**0.125**	3.10	2.84	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	6610	6390	0.511	0.577	0.0462	0.0398	0.328	0.311	260	100	**0.0155**		1990	1930
09/13/05	51.2	27.9	**0.005**	0.0116	**0.125**	**0.125**	2.99	2.83	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	4350	4120	0.947	0.904	0.0746	0.0626	0.375	0.401	260	137	**0.0155**		1180	1140
10/28/05	23.8	9.83	1.14	0.0386	**0.125**	**0.125**	3.78	3.41	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	0.0724	**0.00775**	6180	6140	0.367	0.473	0.0590	0.0696	0.294	0.303	229	130	0.873	0.257	1710	1740
02/09/06	19.9	3.65	0.0332	0.0248	0.483	**0.155**	4.39	3.93	**0.0120**	**0.0120**	0.0154	**0.0075**	2.14	**0.75**	**0.0125**	**0.0125**	7840	7590	0.325	0.208	0.0624	0.0480	0.578	0.233	297	103	2.09	**0.013**	2130	2120
03/13/06	13.1	2.87	**0.025**	**0.025**	**0.155**	**0.155**	4.38	4.15	**0.0120**	**0.0120**	0.0678	0.0506	**2.50**	**2.50**	**0.0125**	**0.0125**	8600	8290	0.251	**0.100**	0.0460	0.0430	0.247	0.214	267	37.6	**0.025**		2540	2360
04/01/06																														
05/20/06	113	23.2	**0.0250**	**0.0250**	**0.155**	**0.155**	3.74	2.78	**0.0120**	**0.0120**	**0.0075**	**0.0075**	1.67	**0.75**	**0.0125**	**0.0125**	3290	3230	0.287	0.216	0.120	0.0826	0.378	0.429	543	216	4.37	1.77	937	1030
06/15/06	28.1	8.37	0.0262	0.0228	**0.155**	**0.155**	2.82	2.62	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	2.06	**0.0125**	**0.0125**	4950	3800	0.936	**0.050**	0.0652	0.0554	0.868	0.329	251	90.0	0.277	0.291	1300	1000
07/23/06	15.6	6.54	0.0202	0.0232	**0.155**	0.362	3.01	2.97	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6500	6300	0.712	0.629	0.0518	0.0432	0.257	0.258	256	130	**0.050**		1670	1700
08/16/06	62.3	27.9	**0.0075**	**0.0075**	0.610	0.471	3.23	2.83	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4510	4170	0.383	0.561	0.0758	0.0544	0.466	0.518	282	147	0.437	0.125	1260	1140
09/14/06	139	50.5	**0.0075**	**0.0075**	**0.155**	0.465	3.72	3.13	**0.0125**	**0.0125**	**0.0075**	0.0250	**1.25**	**1.25**	**0.0185**	**0.0185**	3120	3430	**0.050**		0.180	0.0586	0.606	0.576	735	184	**0.050**		749	864
11/03/06	13.4	6.34	**0.0075**	**0.0075**	**0.155**	0.392	3.04	3.32	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5970	6220	**0.100**	**0.050**	0.0506	0.0390	0.250	0.317	181	62.8	**0.050**	**0.050**	1630	1660
12/13/06	7.59	5.62	**0.0075**	0.0210	**0.155**	**0.155**	3.68	4.42	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6720	7570	**0.050**	**0.050**	0.0404	0.0418	0.233		186	63.5	0.165	**0.050**	1930	2220
02/16/07	13.9	5.17	**0.0250**	**0.0250**	**0.155**	**0.155**	3.51		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7010	8150	**0.100**	0.233	0.0508	0.0468	0.179		228	70.2	0.135	**0.050**	1900	2110
03/17/07	14.9	2.87	**0.0250**	**0.0250**	**0.155**	**0.155**	3.45	3.64	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0160	**0.0075**	7370		**0.050**	0.249	0.0340	0.0324	0.187	0.221	119	73.6	2.44	**0.050**	1950	1950
03/30/07																														
04/22/07	43.6	15.0	0.0328	0.0256	0.310	**0.155**	3.46	3.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5190	5470	0.312	0.477	0.0512		0.313		223	122	0.0938	0.0512	1450	1570
05/12/07	62.9	19.9	0.0350	0.0266	**0.155**	**0.155**	3.41	3.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0522	0.0418	5930	6030	0.287	0.443	0.175	0.142	3.20	2.94	255	115	0.230	**0.050**	803	813
06/18/07	22.5	8.27	**0.0250**	**0.0250**	0.375	0.449	2.44	2.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4730	4880	0.256	0.222	0.0432	0.0316	0.271	0.255	230	144	0.408	**0.0155**	1310	1390
07/14/07	36.0	8.94	**0.0250**	**0.0250**	0.369	0.327	3.26	2.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6130	5390	0.302	0.298	0.0686	0.0364	0.295	0.259	363	199	**0.0155**	**0.0155**	1610	1480
08/16/07	17.9	8.24	0.0204	0.0258	0.455	0.424	2.07	2.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5520	6020	0.237	0.279	0.0442	0.0330	0.311	0.276	320	212	**0.0155**	**0.0155**	1430	1570
09/17/07	28.9	12.1	**0.0075**	0.0196	**0.155**	**0.155**	3.21	3.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5550	6060	0.263	0.292	0.0516	0.0338	0.422	0.316	302	167	**0.0155**	**0.0155**	1370	1480
10/15/07	22.2	9.20	0.0162	0.0262	**0.155**	**0.155**	3.11	3.34	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5770	5950	0.321	0.293	0.0478	0.0382	0.319	0.307	211	128	**0.0155**	**0.050**	1520	1560
11/11/07	22.3	7.70	0.0162	0.0226	0.421	0.359	2.81		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5600	6450	0.215	**0.050**	0.0426	0.0360	0.251		244	157	**0.0155**	**0.050**	1460	1640
12/10/07	25.8	7.56	0.0150	0.0204	**0.155**	**0.155**	3.30	3.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6150	6400	0.474	0.357	0.0460	0.0312	0.202	0.184	288	152	**0.0155**	**0.0155**	1670	1690
01/25/08	23.3	6.89	0.0160	0.0228	**0.155**	**0.155**	4.22	4.24	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7410	7210	0.219	0.202	0.0480	0.0480	0.229		389	262	**0.0155**	**0.050**	2010	1970
02/20/08	11.8	3.49	**0.0250**	**0.0250**	0.380	0.331	3.34	3.17	**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0250**	7360	6910	0.247	0.201	0.0350	0.0314	0.399		276	129	**0.0155**	0.117	1770	1680
03/17/08	4.41	4.07	0.0214	0.0178	**0.155**	**0.155**	3.85	3.69	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8040	7800	0.436	0.289	0.0320	0.0308	0.170	0.161	215	199	**0.0155**	**0.0155**	2110	2010
03/25/08																														
04/18/08	12.5	3.85	**0.0075**	0.0184	**0.155**	**0.155**	3.91		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7550	8370	0.446	0.461	0.0387	0.0349	0.264	0.328	363	218	**0.0155**	**0.050**	2150	2310
05/19/08	74.4	24.3	**0.0075**	**0.0075**	0.453	0.366	3.07	2.61	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3110	3150	0.295	**0.100**	0.0905	0.0503	0.332		386	194	**0.050**	**0.050**	882	877
06/13/08	35.8	16.8	**0.0075**	**0.0075**	0.334	**0.155**	2.59	2.24	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4000	3900	0.288	0.274	0.0477	0.0322	0.252		235	144	**0.050**	**0.050**	1080	1050
07/17/08	26.4	11.0	**0.0075**	**0.0075**	0.408	**0.155**	2.52	2.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4590	4430	**0.100**	**0.100**	0.0456	0.0330	0.237		264	97.9	**0.0155**	0.0433	1250	1200
08/19/08	16.7	6.21	0.0252	0.0193	0.458	**0.155**	4.19	2.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6520	6560	0.197	0.147	0.0401	0.0250	0.408	0.464	314	207	**0.0155**	**0.0155**	1810	1790
09/18/08	63.1	25.0	**0.0075**	**0.0075**	**0.155**	**0.155**	2.79	2.62	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4160	4410	0.291	0.278	0.0767	0.0370	0.391		359	139	**0.0155**	**0.0155**	1130	1220
10/19/08	21.3	7.59	**0.0075**	0.0159	0.358	**0.155**	2.99	2.82	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5640	5500	0.273	0.233	0.0480	0.0364	0.233	0.284	199	92.0	**0.0155**	**0.0155**	1580	1560
11/22/08	15.7	4.20	**0.0075**	**0.0075**	0.411	**0.155**	4.10	3.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6900	6980	0.267	0.326	0.0451	0.0386	0.239	0.262	310	106	**0.0155**	**0.0155**	2000	1950
12/08/08	18.6	5.00	**0.0075**	**0.0075**	**0.155**	**0.155**	3.43	3.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6410	6580	0.112	**0.050**	0.0436	0.0347	0.190		350	114	**0.0155**	**0.0155**	1920	1960
Mean	34.9	11.6	0.0450	0.0194	0.265	0.236	3.26	3.06	0.0112	0.0112	0.0616	0.0610	1.54	1.51	0.0126	0.0112	5710	5720	0.300	0.278	0.0598	0.0429	0.401	0.400	283	136	0.296	0.111	1550	1560
Median	22.9	8.26	0.0180	0.0207	0.155	0.155	3.25	2.85	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0076	5800	6020	0.270	0.257	0.0480	0.0376	0.293	0.305	260	131	0.030	0.050	1600	1610
St. Deviation	34.3	9.91	0.173	0.0089	0.152	0.134	0.60	0.59	0.0022	0.0023	0.1935	0.1935	0.83	0.85	0.0122	0.0067	1430	1500	0.204	0.186	0.0334	0.0223	0.471	0.489	106	49.0	0.813	0.297	430	430
# of values	42	42	42	40	42	42	42	39	42	42	42	42	42	41	42	42	42	41	42	40	42	38	42	30	42	42	42	35	42	42
Minimum	4.41	2.87	0.005	0.0075	0.125	0.125	2.01	2.12	0.0067	0.00404	0.00155	0.00155	0.75	0.75	0.003095	0.0075	2970	2710	0.031	0.03565	0.032	0.00155	0.170	0.161	119	37.6	0.0155	0.013	734	694
Maximum	170	50.5	1.14	0.0386	0.699	0.695	4.39	4.42	0.0125	0.0125	0.750	0.750	5.00	5.00	0.0724	0.0418	8600	8370	0.947	0.904	0.180	0.142	3.20	2.94	735	262	4.37	1.77	2540	2360
% of values undetected	2%	12%	62%	50%	62%	69%	0%	0%	102%	102%	100%	102%	98%	102%	98%	100%	0%	0%	19%	25%	7%	3%	0%	0%	0%	0%	76%	80%	0%	0%
# of values between MDL and PQL	0	0	13	16	15	13	0	0	1	1	1	0	2	1	1	2	0	0	5	2	2	1	0	0	0	0	2	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.054	0.054	NA	NA	10.98	10.56276	NA	NA	1.462	1.404	1000	1000	0.201	0.223	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	2%	3%	0%	0%	19%	11%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100B																											
Sample Date																											
06/02/04																											
08/24/04	4.64	3.65	**0.00050**		**0.155**	**0.516**	**0.170**		408	413	**0.155**	**0.155**	4700	**0.0031**	**0.0031**	2420	2410	**0.0125**	**0.0125**	**0.155**		0.427	**0.364**	**0.75**	1.65
09/15/04	5.72	3.91	**0.00050**		**0.155**	**0.155**	0.264		450	411	**0.155**	**0.155**	5220	**0.0031**	**0.0031**	2540	2630	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.332**	**0.328**	2.54	1.90
10/18/04	11.0	10.1	0.0010		**0.155**	**0.155**	**0.182**		329	335	**0.155**	**0.155**	5410	**0.0031**	**0.0031**	2030	2100	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.276**	**0.125**	3.63	
01/29/05	10.7	8.40	**0.00050**		0.133	0.132	0.241	0.252	512	502	**0.0775**	**0.0775**	7190	**0.0031**	**0.0031**	2610	2650	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.202**	**0.100**	**1.06**	
03/20/05			**0.000147**																								
05/08/05	37.5	21.7	**0.00250**		**0.0778**	**0.0777**	0.170		382	379	**0.0370**	**0.0354**	3140	**0.001435**	**0.001435**	1230	1170	**0.002125**	**0.002125**	**0.0733**	**0.0302**	0.676	0.255	2.22	2.20
06/04/05			**0.000450**																								
06/05/05	9.19	5.89			0.0898		0.197		293	350	**0.0775**	**0.0775**	4280	**0.0031**	**0.0031**	1830	2080	**0.0031**	**0.0031**	**0.031**	**0.031**	0.434	0.508	**0.75**	**0.75**
07/09/05	13.6	5.86	**0.00250**		0.0892	0.0606	0.239		398	403	**0.0775**	**0.0775**	4530	**0.0031**	**0.0031**	2380	2430	**0.0031**	**0.0031**	**0.031**	**0.031**	0.514	**0.241**	3.16	
08/17/05	5.54	1.96	**0.000450**		0.202	0.149	0.368		444	435	**0.0775**	**0.0775**	5380	**0.0031**	**0.0031**	3010	2930	**0.0031**	**0.0031**	**0.031**	**0.031**	0.412	**0.366**	2.08	1.63
09/13/05	12.0	6.91	**0.000450**		0.0484	0.0658	0.272		377	379	**0.0775**	**0.0775**	5600	**0.0031**	**0.0031**	2080	2090	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	1.98	2.00
10/28/05	16.5	15.1	**0.00120**		0.0752		0.334		469	469	**0.0775**	**0.0775**	7090	**0.0100**	**0.0031**	3170	2800	**0.0031**	**0.0031**	**0.031**	**0.100**	0.424	**0.100**	3.36	2.92
02/09/06	15.4	12.4	**0.000475**		0.371		0.535	0.499	583	567	**0.155**	**0.155**	6930	**0.0031**	**0.0031**	3120	3170	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.16	3.20
03/13/06	11.5	9.24	**0.00136**		0.103		0.304		635	618	**0.155**	**0.155**	8520	**0.0031**	**0.0031**	3540	3410	**0.0025**	0.0136	**0.0155**	**0.0155**	**0.250**	**0.110**	2.38	2.63
04/01/06																											
05/20/06	39.2	22.7	**0.00250**		0.103	**0.0334**	**0.100**		568	594	**0.155**	**0.155**	955	**0.0031**	**0.0031**	1500	1640	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.497**	0.527	2.02	
06/15/06	12.4	6.30	**0.00250**		0.168	0.176	0.242		437	348	**0.155**	**0.155**	2590	**0.0128**	**0.0031**	2190	1780	**0.0025**	**0.0025**	**0.0518**	**0.0155**	**0.110**	**0.250**	2.28	2.00
07/23/06	9.10	5.07	**0.000475**		0.155	0.155	0.260		412	415	**0.155**	**0.155**	5000	**0.0031**	**0.0031**	2530	2650	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.58	1.29
08/16/06	12.6	6.24	**0.00250**		0.0732	0.0728	0.266		302	287	**0.155**	**0.155**	4550	**0.0031**	**0.0031**	2040	1930	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.27	1.34
09/14/06	39.0	6.54	0.0056		**0.0450**		0.222		530	576	**0.155**	**0.155**	4300	**0.0031**	**0.0031**	1600	1910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.661**	**0.250**	2.94	2.11
11/03/06	14.5	11.4	**0.000966**		0.120	0.113	0.209	0.205	417	443	**0.155**	**0.155**	6330	**0.0031**	**0.0031**	2540	2610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.822**	1.07	**0.50**	
12/13/06	11.5	9.06	**0.000475**		0.133	0.172	0.293	0.388	485	567	**0.155**	**0.155**	5820	**0.0031**	**0.0031**	2720	3020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
02/16/07	12.8	10.9	**0.000169**		0.150	0.178	**0.100**	0.217	504	591	**0.155**	**0.155**	6500	**0.0031**	**0.0031**	2490	2770	**0.0192**	**0.0050**	**0.050**	**0.050**	**0.412**	**0.155**	1.27	
03/17/07	6.23	5.86	**0.000701**		0.191	0.175	0.235	0.289	510		**0.155**	**0.155**	6230	**0.0031**	**0.0031**	2810	2830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.155**	1.66	2.37
03/30/07																											
04/22/07	14.3		**0.000922**		0.115	0.129	0.221		691	737	**0.155**	**0.155**	4300	**0.0031**	**0.0031**	2130	2240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.38	
05/12/07	37.7	30.7	**0.000493**		0.553	0.530	0.442		472	482	**0.155**	**0.155**	3100	**0.0031**	**0.0031**	1340	1360	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.343**	**0.155**	7.32	7.11
06/18/07	12.5	7.22	**0.000169**		0.164	0.162	0.202	0.243	360	386	**0.155**	**0.155**	4360	**0.0031**	**0.0031**	2160	2220	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.367**	**0.155**	2.03	**0.50**
07/14/07	16.2	3.67	**0.00147**		0.182	0.163	0.271	0.407	394	365	**0.155**	**0.155**	4350	**0.0031**	**0.0031**	2570	2290	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.415**	**0.155**	1.04	**0.50**
08/16/07	7.62	2.39	**0.000169**		0.159	0.175	0.240	0.313	371	415	**0.155**	**0.155**	4360	**0.0031**	**0.0031**	2280	2540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.407**	**0.155**	2.01	2.16
09/17/07	14.9	6.74	**0.00250**		0.137	0.158	**0.100**	0.224	391	438	**0.155**	**0.155**	5480	**0.0031**	**0.0031**	2350	2580	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.26	1.76
10/15/07	13.8	10.2	**0.000169**		0.141	0.144	0.205	0.304	408	430	**0.155**	**0.155**	6500	**0.0031**	**0.0031**	2420	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	11.8	1.24
11/11/07	12.1	9.06	**0.00250**		0.123	0.149	0.205	0.256	385	468	**0.155**	**0.155**	5570	**0.0031**	**0.0031**	2280	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.383**	**0.50**	1.49
12/10/07	13.3	7.78	**0.000678**		0.127	0.141	0.201	0.225	430	457	**0.155**	**0.155**	6750	**0.0031**	**0.0031**	2540	2550	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.08	1.98
01/25/08	14.7	9.76	**0.00075**		0.141	0.141	0.245	0.333	567	561	**0.155**	**0.155**	7980	**0.0031**	**0.0031**	2920	2820	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.62
02/20/08	8.54	5.20	**0.00075**		0.149	0.149	**0.100**		495	490	**0.155**	**0.155**	6840	**0.0031**	**0.0031**	2630	2610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.80	2.45
03/17/08	7.49	7.18	**0.00075**		0.152	0.143	0.271	0.234	537	524	**0.155**	**0.155**	7250	**0.0031**	**0.0031**	2890	2690	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	**0.50**
03/25/08																											
04/18/08	9.54	6.43	**0.00075**		0.0679	0.0829	0.295	0.448	520	585	**0.155**	**0.155**	7470	**0.0031**	**0.0069**	2860	3000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.34	
05/19/08	30.0	14.6	**0.00281**		0.0629	0.0647	**0.100**		441	450	**0.155**	**0.155**	3400	**0.0031**	**0.0031**	1450	1430	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.473**	**0.155**	1.83	2.47
06/13/08	12.2	8.05	**0.00075**		0.107	0.0963	**0.100**	0.229	354	349	**0.155**	**0.155**	4560	**0.0031**	**0.0031**	1930	1870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.368**	**0.155**	**0.50**	1.15
07/17/08	13.1	6.83	**0.00075**		0.113	0.115	0.217	0.303	299	294	**0.155**	**0.155**	4070	**0.0031**	**0.0031**	1990	1890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.435**	**0.155**	**0.50**	1.12
08/19/08	8.27	3.51	**0.00075**		0.174	0.171	**0.100**	0.236	425	404	**0.155**	**0.155**	4910	**0.0031**	**0.0031**	2720	2710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.312**	**0.155**	3.52	2.50
09/18/08	21.0	6.15	**0.00075**		**0.0075**	**0.0075**	**0.100**	0.317	320	343	**0.155**	**0.155**	4510	**0.0031**	**0.0031**	1870	1970	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.13	
10/19/08	13.2	9.71	**0.00156**		0.122	0.115	0.213	0.296	402	398	**0.155**	**0.155**	6220	**0.0031**	**0.0031**	2470	2440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.35
11/22/08	13.4	10.2	**0.00075**		0.0627	**0.0075**	0.301	0.320	512	513	**0.155**	**0.155**	7420	**0.0031**	**0.0031**	3000	2820	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.388**	**0.155**	2.08	2.37
12/08/08	14.9	10.8	**0.00342**		0.0816	0.079	0.207	0.346	470	491	**0.155**	**0.155**	6880	**0.0031**	**0.0031**	2560	2620	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.46
Mean	14.7	8.91	0.00120	NA	0.137	0.143	0.227	0.299	445	455	0.141	0.141	5390	0.0035	0.0032	2370	2400	0.0053	0.0052	0.053	0.050	0.316	0.223	2.01	1.93
Median	12.7	7.22	0.00075	NA	0.130	0.143	0.222	0.296	434	438	0.155	0.155	5400	0.0031	0.0031	2450	2510	0.0050	0.0050	0.050	0.050	0.294	0.155	1.62	1.83
St. Deviation	8.90	5.57	0.00111	NA	0.088	0.104	0.092	0.078	90	98	0.032	0.032	1580	0.0018	0.0006	510	500	0.0032	0.0027	0.031	0.028	0.172	0.168	2.01	1.17
# of values	42	41	43	0	42	37	42	23	42	41	42	42	42	42	42	42	42	42	42	42	41	42	42	42	32
Minimum	4.64	1.96	0.000147	NA	0.0075	0.0075	0.100	0.205	293	287	0.0370	0.0354	955	0.001435	0.001435	1230	1170	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.50	0.50
Maximum	39.2	30.7	0.0056	NA	0.553	0.530	0.535	0.499	691	737	0.155	0.155	8520	0.0128	0.0069	3540	3410	0.0192	0.0136	0.155	0.155	0.822	1.07	11.8	7.11
% of values undetected	0%	0%	70%		14%	16%	21%	0%	0%	0%	102%	102%	0%	102%	102%	0%	0%	102%	102%	100%	102%	48%	83%	26%	13%
# of values between MDL and PQL	0	0	11		2	3	2	0	0	0	1	1	0	1	1	0	0	1	0	2	1	16	5	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	8.33	8.30	NA	NA	5	4.6	NA	0.097402	0.083	NA	NA	NA	NA	NA	NA	NA	NA	19.08	18.81
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV		mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NK100C																											
Sample Date																											
04/30/04	6.72	0.04	11.58		0.034	42	2	11.8	40.0	30.0	3.40	**1.57**	13.0				**0.0155**		0.733	**0.0155**	1.42	**0.00125**	0.00370	**0.065**			**0.0155**
05/19/04								14.0	36.0	60.0	3.38	**1.57**	17.5				**0.0155**		0.572	**0.050**	1.73	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/21/04	7.08	4.92	11.22		0.044	102	1.5																				
06/02/04													25.5														
06/15/04	6.96	9.12	10.13		0.057	19	0.2	21.1	60.0	43.8	2.00	**1.57**	25.5				**0.0155**		0.612	0.0470	2.35	**0.00125**	**0.00125**	**0.065**			**0.0155**
07/14/04	7.50	18.95	9.44	102.9	0.067	256	0.2	23.5	60	48.8	1.5	**1.57**	29.0	**0.31**			0.336		0.562	0.038	2.59	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/16/04													31.5														
08/24/04	8.11	15.98	11.94		0.070	270		24.7	70	51.3	1.7	**1.57**	31.0	**0.155**			**0.0155**		0.608	0.038	2.52	**0.00125**	**0.00125**	**0.14**			**0.0155**
09/15/04	7.42	7.05	11.32	94.0	0.074	270	0.5	24.9	70	66.3	1.0	**1.57**	32.5	**0.52**			**0.0155**		0.670	**0.07**	2.74	**0.0025**	**0.003**	**0.24**			**0.0155**
10/18/04	6.75	1.90	13.64		0.052			19.6	65	31.3	1.3	**1.57**	26.5	**0.40**			**0.0155**		0.860	**0.0155**	2.47	**0.00125**	**0.00125**	**0.21**			**0.0155**
01/25/05	5.48	0		94.2	0.071	111	4.9	26.3	70	52.5	0.6	7.00	31.0	0.10			0.0221		0.795	0.034	3.06	**0.00125**	**0.00125**	**0.28**			**0.0155**
03/17/05	7.09	0.40	14.09	96.9	0.038	11.5	1.6	24.8	75	56.3	0.9	6.00	33.0	0.12			0.0629		0.792	0.033	3.31	**0.00125**	**0.00125**	**0.26**			**0.0155**
05/06/05	6.01	0.12	12.96	88.9	0.028	190	4.86	11.7	28	38.7	14.8	5.00	11.0	0.19			0.0930		0.597	**0.0155**	1.02	**0.00125**	**0.00125**	**0.68**			**0.0155**
06/05/05	7.86	15.13	9.09	90.9	0.053	162	4.1	19.4	45.5	37.5	1.8	**2.00**	22.5	0.14			0.0265		0.549	**0.0155**	2.09	**0.00125**	**0.00125**	**0.35**			**0.0155**
07/11/05	6.51	16.12	8.17	83.0	0.058	-125.2	0.77	24.0	60	32.5	1.3	**0.785**	28.3	0.335			0.0750		0.743	**0.0155**	4.71	**0.0025**	**0.0025**	**0.49**			**0.0155**
08/16/05	8.07	15.63	10.39	104.4	0.064	186.1	0.85	27.6	65	53.8	0.745	**0.785**	30.0	**0.096**			**0.0180**		0.503	**0.0155**	2.23	**0.00125**	**0.004**	**0.27**			**0.0155**
09/13/05	6.64	7.28	11.19	93.0	0.053	145.2	1.52	21.9	60	45.0	2.1	**2.25**	25.0	**0.0155**			**0.0180**		0.726	**0.0155**	1.88	**0.00125**	0.0086	**0.35**			**0.0155**
10/28/05	6.56	0.01	12.89	88.3	0.061	189.7	1.45	26.5	65	28.8	2.6	**2.50**	29.5	1.31			**0.0140**		0.729	**0.0370**	2.51	**0.00125**	**0.00125**	**0.58**			**0.0155**
02/09/06	6.39	-0.04	9.06	61.9	0.041	116.1	1.12	32.6	90.0	67.5	0.714	9.00	38.0	0.19			0.0240		0.917	**0.0155**	3.38	**0.00125**	**0.00125**	**0.0295**			**0.050**
03/13/06	7.17	0.01	8.00	54.7	0.077	-7.1	0.77	33.6	80.0	60.0	**0.588**	6.00	38.0	0.179			0.0140		0.720	**0.0155**	3.23	**0.00125**	**0.00125**	**0.155**			**0.0155**
04/01/06	6.45	0.03	9.32	63.9	0.075	44.0																					
05/20/06	6.49	0.06	9.43	64.6	0.037	171.2	1.75	14.9	37.0	18.8	6.97	5.00	37.0	0.571	**0.0155**	0.561	0.0400	**0.0155**	1.01	**0.0155**	1.49	**0.00125**	**0.00125**	**0.442**			**0.050**
06/15/06	6.97	13.89	6.09	59.0	0.048	-13.2	1	20.7	45.0	38.8	2.00	**1.75**	23.0	**0.0365**	**0.0155**	**0.0335**	0.0167	**0.0155**	0.610	**0.0340**	1.90	**0.00125**	**0.00125**	**0.155**			**0.0155**
07/23/06	7.16	11.13	6.10	55.5	0.058	109.3	0.68	25.5	60.0	42.5	0.800	**2.75**	30.0	**0.0345**	**0.0155**	**0.0345**	0.0220	**0.0155**	0.537	**0.0390**	2.34	**0.00105**	**0.0025**	**0.155**			**0.0510**
08/16/06	6.16	9.69	8.15	71.7	0.047	132.5	0.64	21.2	47.0	51.2	0.938	**1.57**	23.5	**0.0155**	**0.0155**	**0.0155**	0.0200	**0.05**	0.395	**0.0800**	1.67	**0.00075**	**0.0040**	**0.155**			**0.0155**
09/15/06	6.70	8.82	9.68	83.4	0.047	244.0	1.74	20.6	45.0	56.2	2.30	**1.57**	23.0	**0.0525**	**0.0155**	**0.0390**	0.0220	**0.0155**	0.788	**0.0450**	1.89	**0.00075**	**0.00075**	**0.43**			**0.0155**
11/03/06	6.77	0.03	11.89	81.5	0.062	146.2	0.65	27.5	50.0	23.8	0.722	**1.57**	30.0	**0.0155**	**0.0155**	**0.0155**	0.0150	**0.0155**	0.760	**0.0155**	2.58	**0.00075**	**0.00075**	**0.155**			**0.050**
12/13/06	6.67	0.04	9.72	67.2	0.072	68.9	0.7	30.3	60.0	52.5	1.04	**3.50**	35.0	0.122	**0.0155**	0.104	0.0150	**0.05**	0.873	**0.0155**	3.68	**0.0030**	**0.0020**	**0.155**			**0.0155**
02/16/07	6.33	0.03	9.63	66.0	0.064	167.5	0.88	28.7	60.0	50.0	3.33	**4.00**	28.0	**0.0705**	**0.0155**	**0.0585**	0.0140	**0.05**	0.713	**0.0155**	2.64	**0.00075**	**0.00075**	**0.155**			**0.0369**
03/17/07	6.25	0.02	9.39	64.3	0.077	133.7	0.73	36.4	70.0	30.0	**0.606**	**5.00**	38.0	**0.0925**	**0.0315**	**0.0610**	0.0190	**0.05**	0.827	**0.0430**	3.40	**0.00075**	**0.00075**	**0.155**			**0.0155**
03/31/07	7.11	0.01	9.65	66.3	0.077	117.1																					
04/21/07	6.80	0.01	10.07	69.2	0.044	157.2	0.91	17.9	45.0	36.3	1.20	**1.57**	14.0	1.58	**0.0155**	1.57	0.0190	**0.05**	0.875	**0.0340**	1.72	**0.00075**	**0.00075**	**0.37**			**0.0155**
05/12/07	6.38	7.60	8.18	68.5	0.043	171.3	0.79	17.8	41.0	40.0	2.10	**1.57**	20.5	**0.050**			0.0236		0.629	**0.0360**	1.47	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/18/07	7.24	11.63	10.44	96.1	0.052	147.3	0.91	22.5	50.0	41.3	1.20	**1.57**	26.0	**0.0155**			0.0217		0.580	**0.0650**	2.18	**0.00075**	0.012	**0.155**		1.96	**0.0155**
07/14/07	7.40	12.73	8.40	79.3	0.059	169.1	0.98	26.6	60.0	50.0	0.745	**1.57**	29.3	**0.0620**			0.0193		0.504	**0.0460**	1.94	**0.00075**	**0.00075**	**0.155**		2.33	**0.0155**
08/16/07	7.95	11.84	9.20	85.2	0.062	43.5	1.35	25.5	60.0	48.8	0.769	**1.57**	30.6	**0.0700**			0.0239		0.423	**0.0155**	1.67	**0.00075**	**0.00075**	**0.155**		2.68	**0.0664**
09/17/07	6.73	8.27	9.55	81.2	0.055	99.6	1.18	24.9	55.0	45.0	2.07	**1.57**	27.5	**0.0155**			0.0455		0.507	**0.0155**	1.72	**0.0025**	**0.00075**	**0.155**		2.54	**0.050**
10/15/07	7.30	1.07	11.45	80.8	0.055	56.3	0.91	23.2	50.0	41.3	2.30	**1.57**	26.9	**0.050**			0.0212		0.590	**0.0310**	1.97	**0.00075**	**0.00075**	**0.155**		1.53	**0.0155**
11/11/07	7.02	0.04	12.18	86.7	0.059	161.0	0.76	24.9	55.0	41.3	**0.612**	**1.57**	27.6	**0.0570**			0.0557		0.623	**0.0155**	2.18	**0.00075**	**0.00075**	**0.155**		1.87	**0.050**
12/10/07	7.14	-0.06	8.16	55.7	0.062	-147.5	1.51	25.1	58.8	47.5	1.91	**3.50**	27.9	**0.087**			0.0240		0.590	**0.0155**	2.15	**0.0025**	**0.0025**	**0.155**		1.41	**0.0155**
01/25/08	5.63	0	7.63	52.6	0.071	165.7	1.67	30.3	76.2	**1.55**	1.88	**6.96**	33.4	0.134			0.0399		1.17	**0.0420**	4.62	**0.00075**	**0.00075**	**0.40**		1.48	**0.050**
02/21/08	7.09	0.04	7.66	52.6	0.071	117.7	1.01	31.5	74.7	61.3	1.44	11.6	35.8	**0.0455**			0.0217		0.739	**0.0155**	2.61	0.150	**0.0025**	**0.155**		1.31	**0.0155**
03/07/08	6.91	0	6.56	44.9	0.072	143.1	2.72																				
03/17/08								30.9	75.8	55.0	1.04	10.2	36.6	0.133			0.0219		0.694	**0.0155**	2.60	**0.00075**	**0.00075**	**0.155**		1.28	**0.0327**
03/25/08	6.64	0.04	6.71	46.0	0.075	110.8																					
04/18/08	7.56	-0.07	9.92	68.0	0.074	185.1	1.72	30.8	79.0	72.5	**0.833**	**8.44**	36.1	0.155			0.0214		0.694	**0.0320**	8.40	**0.0025**	**0.00075**	**0.155**		1.99	0.137
05/19/08	7.18	0.14	8.77	60.3	0.034	150.8	1.68	12.5	35.0	45.0	4.23	**1.57**	14.0	0.117			0.0264		0.563	**0.0155**	1.22	**0.0025**	**0.0025**	**0.36**		2.53	**0.038**
06/13/08	6.87	8.12	8.73	74.0	0.043	174.2	1.28	18.8	44.5	31.3	1.80	**1.57**	21.8	**0.0155**			0.0140		0.463	**0.0155**	1.50	**0.00075**	**0.00075**	**0.155**		1.91	**0.050**
07/18/08	6.80	10.03	7.59	67.4	0.053	174.3	1.14	22.6	50.4	40.0	3.13	**1.57**	25.9	**0.0755**			0.0196		0.449	**0.0360**	1.82	**0.0025**	**0.00075**	**0.155**		1.69	**0.050**
08/19/08	7.72	10.04	7.05	62.6	0.064	129.7	1.24	26.9	60.6	38.8	0.851	**1.57**	30.7	**0.038**			0.0239		0.460	**0.0350**	1.99	**0.0016**	**0.00075**	**0.155**		1.69	**0.050**
09/18/08	6.68	7.21	7.72	64.0	0.057	160.8	1.99	20.6	58.1	32.5	4.67	**1.57**	27.7	**0.0535**			0.0301		0.517	**0.0490**	1.39	**0.00075**	**0.00075**	**0.40**		3.02	**0.050**
10/19/08	6.59	-0.06	11.01	75.3	0.054	192.3	0.83	24.9	58.6	46.3	0.900	**1.57**	27.2	**0.0355**			0.0131		0.568	**0.0360**	1.81	**0.00075**	**0.00075**	**0.155**		1.62	**0.050**
11/19/08	6.84	-0.06	8.98	61.3	0.064	126.2	1.08	28.1	73.9	45.0	**0.87**	**3.66**	32.7	**0.050**			0.0208		0.599	**0.0155**	2.46	**0.00075**	**0.00075**	**0.155**		0.861	**0.050**
12/08/08	6.55	0.02	10.66	73.0	0.071	183.5	1.47	27.5	74.5	40.0	1.20	**4.54**	32.6	0.130			0.0183		0.694	**0.0340**	2.77	**0.00075**	**0.00075**	**0.155**		0.868	**0.0445**
Mean	6.89	4.90	9.61	73.4	0.058	125.1	1.38	24	58.5	44	2.02	3.19	28	0.183	0.0171	0.2493	0.032	0.0328	0.662	0.0299	2.45	0.0044	0.0018	0.222	NA	1.82	0.0306
Median	6.82	0.27	9.44	69.2	0.059	145.2	1.12	24.9	60.0	45.0	1.30	1.57	28.3	0.090	0.0155	0.0488	0.0212	0.0328	0.623	0.032	2.18	0.0013	0.0013	0.155	NA	1.69	0.0155
St. Deviation	0.55	5.95	1.91	15.4	0.013	85	1.01	5.7	13.7	13.1	2.28	2.63	6.5	0.307	0.0051	0.4922	0.0482	0.0182	0.158	0.0163	1.19	0.0217	0.0021	0.14	NA	0.59	0.0229
# of values	50	50	49	45	50	49	45	47	47	47	47	47	49	44	10	10	47	10	47	47	47	47	47	47	0	19	47
Minimum	5.48	-0.07	6.09	44.9	0.028	-147.5	0.2	11.7	28.0	1.55	0.588	0.785	11.0	0.0155	0.0155	0.0155	0.0131	0.0155	0.395	0.0155	1.02	0.00075	0.00075	0.0295	NA	0.861	0.0155
Maximum	8.11	18.95	14.09	104.4	0.077	270	4.9	36.4	90.0	72.5	14.8	11.6	38.0	1.58	0.0315	1.57	0.336	0.0500	1.17	0.0800	8.40	0.150	0.012	0.68	NA	3.02	0.137
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	55%	0%	25%	90%	20%	13%	100%	0%	49%	0%	94%	85%	64%		0%	85%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	5	13	0	17	1	5	3	0	0	24	0	2	5	17		0	6
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.92
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	20%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	NA	0%	0%
% of DWS exceedences	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100C																														
Sample Date																														
04/30/04	182	**12.5**	**0.0385**		**0.311**	**0.125**	3.50	2.29	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3160	3210	0.314	0.241	**0.0889**		0.379		425	187	**0.100**		939	966
05/19/04	82.0	**12.5**	0.206	**0.100**	**0.250**	**0.125**	2.26	1.77	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3650	3590	**0.100**	**0.100**	**0.0610**		1.11	0.347	366	213	0.324	**0.100**	1180	1150
05/21/04																														
06/02/04																														
06/15/04	45.9	**12.5**	**0.0385**		**0.401**	**0.125**	3.28	2.94	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0155**	5800	5390	2.01	0.269	**0.050**		0.637	0.621	323	156	**0.050**	**0.050**	1610	1520
07/14/04	30.7	**12.5**	**0.0385**		0.670	0.610	3.00	2.69	**0.0075**	**0.0165**	**0.750**	**0.750**	**1.55**	**4.70**	**0.0155**	**0.0500**	6170	6530	**0.100**	0.254	**0.050**		0.218	0.284	327	204	**0.050**	**0.050**	1970	1870
08/16/04																														
08/24/04	**12.5**	**12.5**	**0.0385**	**0.100**	0.586	0.570	2.71	2.47	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6550	6370	**0.190**	0.228	**0.050**		0.357	0.318	279	181	**0.100**	**0.050**	2030	2000
09/15/04	**12.5**	**12.5**	**0.0385**	**0.0385**	0.557	**0.370**	3.51	2.84	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6510	5570	0.211	**0.107**	**0.050**		0.315	0.245	327	182	**0.050**	**0.050**	2100	1950
10/18/04	33.5	**12.5**	**0.0385**	**0.0385**	**0.294**	**0.125**	3.17	2.85	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5250	5070	0.285	0.231	**0.050**		0.359	0.236	232	137	**0.050**	**0.050**	1580	1590
01/25/05	16.5	5.04	0.0240	0.0230	**0.430**	**0.125**	3.70	3.88	**0.0075**	**0.0075**	**0.0032**	**0.005**	**6.40**	**1.55**	**0.00775**	**0.0250**	6910	6870	0.408	0.520	0.0490	0.0422	0.270	0.185	254	151	**0.0155**	**0.0155**	2210	2190
03/17/05	13.4	3.70	0.0402	0.0202	0.373	0.290	4.47	3.95	**0.00748**	**0.001495**	**0.0182**	**0.003835**	2.16	2.66	**0.0160**	**0.003095**	6800		**0.199**	**0.0787**	0.0330	0.0341	0.197	0.170	243	88.4	0.438	0.085	1890	2200
05/06/05	362	32.9	0.0246	**0.0151**	0.792	0.272	6.54	2.36	0.0144	**0.0050**	**0.003835**	**0.003835**	1.86		**0.0114**	**0.0100**	3240	2830	0.392	**0.03565**	0.261	0.0767	0.547	0.274	826	170	0.181	**0.035**	884	746
06/05/05	38.5	8.39	0.019		0.606	**0.125**	2.85	2.31	**0.0075**	**0.0075**	**0.00155**	**0.0052**	**1.55**	**1.55**	**0.00775**	**0.0250**	5270	4990	0.432	0.229	0.0696	**0.00155**	0.257	0.253	268	144	**0.050**		1600	1550
07/11/05	15.6	5.90	**0.005**	0.0118	**0.270**	**0.370**	2.45	2.27	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	6270	6240	0.256	**0.100**	0.0352	0.0284	0.183	0.206	319	167	**0.0155**	**0.050**	2040	2040
08/16/05	29.8	8.31	1.43	**0.00155**	**0.292**	0.669	2.63	2.56	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	7440	7530	0.425		0.0602	0.0444	0.318	0.298	385	255	**0.0155**		2200	2170
09/13/05	48.4	20.9	0.0228	0.0286	**0.427**	**0.263**	3.95	3.67	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	5770	5780	1.01	0.935	0.105	0.0764	0.293		380	185	**0.0155**		1820	1780
10/28/05	27.5	6.53	**0.0090**		**0.316**	**0.345**	5.02	3.34	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**3.40**	**0.00775**	**0.00775**	7140	6760	0.499	0.527	0.0750	0.0770	0.229	0.262	317	108	**0.0155**		2100	2070
02/09/06	22.9	2.98	**0.0075**	**0.0075**	**0.155**	**0.155**	7.47	7.24	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	9150	8770	0.278	0.432	0.186	0.172	3.61	1.68	1030	440	0.0868		2380	2190
03/13/06	13.0	3.38	0.0664	0.0572	0.678	**0.324**	4.88	4.41	**0.0120**	0.0330	**0.0250**	0.0790	5.73	**2.50**	**0.0125**	**0.0125**	9200	8850	0.447	0.218	0.0714	0.0736	0.326	0.297	352	44.8	12.0	0.819	2570	2660
04/01/06																														
05/20/06	152	22.9	**0.0250**	**0.0250**	**0.362**	**0.155**	4.24	3.29	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	3860	4000	0.321	0.361	0.176	0.107	0.461	0.363	730	345	0.138	0.132	1280	1360
06/15/06	33.2	7.38	**0.0286**	**0.0240**	**0.155**	**0.155**	3.20	2.74	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.57**	**3.05**	**0.0125**	**0.0125**	5710	5520	0.391		0.0880	0.0618	0.379		325	141	0.0564		1560	1500
07/23/06	18.2	6.30	**0.0230**	**0.0266**	**0.155**	**0.155**	3.50	3.52	**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6780	7010	0.512	0.623	0.0572	0.0600	0.383		313	177	0.169		2090	2160
08/16/06	26.5	14.8	**0.0160**	**0.0075**	**0.498**	**0.437**	3.46	3.01	**0.0125**	**0.0125**	**0.0226**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5680	5210	0.282	**0.100**	0.0800	0.0679	0.288		323	182	0.111	0.120	1710	1560
09/15/06	49.3	14.7	**0.0075**	**0.0075**	0.527	**0.155**	3.45	2.75	**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5360	4760	0.254	**0.100**	0.0748	0.0450	0.321	0.397	354	160	0.225		1760	1530
11/03/06	14.3	6.11	**0.0075**	**0.0250**	**0.387**	**0.155**	3.48	3.38	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7670	7130	0.448	**0.100**	0.0680	0.0530	0.303	0.190	239	110	0.275	**0.0155**	2030	2040
12/13/06	11.8	3.32	**0.0182**	**0.0468**	**0.155**	**0.155**	4.51		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.56**	**0.0185**	**0.0185**	7960		**0.050**		0.0604	0.0660	0.334	0.394	227	75.9	0.193		2540	
02/16/07	94.9	8.97	0.0906	0.0684	**0.442**	**0.155**	5.25	5.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0404**	**0.0452**	7850	8150	0.339	0.289	0.125	0.0634	0.469	0.461	482	181	0.298	0.116	2210	2210
03/17/07	13.9	3.25	**0.0250**	**0.0250**	**0.250**	**0.155**	4.10	3.89	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9880	10100	**0.100**	**0.100**	0.0534	0.0496	0.248		238	111	0.105	**0.0155**	2860	2380
03/31/07																														
04/21/07	37.8	26.0	0.102		**0.155**	**0.317**	3.71	4.06	**0.0125**	**0.0125**	**0.0075**		**1.25**	**1.25**	0.0684	**0.0340**	4900	5010	0.723	0.492	0.0566		0.534		278	199	0.467	0.373	1370	1430
05/12/07	32.7	9.84	**0.0232**	**0.0222**	**0.441**	**0.155**	3.34	2.78	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4780	4460	0.309	0.411	0.0754	0.0818	0.268		404	219	**0.050**	**0.050**	1440	1350
06/18/07	20.5	7.18	**0.0250**	**0.0250**	0.616	0.511	2.83	2.89	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6000	6040	0.275	0.273	0.0650	0.0454	0.257		350	234	0.133		1820	1850
07/14/07	17.5	6.47	**0.0250**	**0.0250**	0.718	0.565	3.12	3.13	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7210	6890	0.264	0.330	0.0580	0.0498	0.207	0.268	453	296	**0.0155**	**0.0155**	2100	2070
08/16/07	11.5	5.07	**0.0228**	**0.0306**	**0.499**	**0.444**	2.99	3.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6950	7030	0.259	0.241	0.0478	0.0394	1.14	0.256	463	237	**0.050**	**0.0155**	1990	1990
09/17/07	36.6	7.67	**0.0154**	**0.0238**	0.563	**0.327**	3.63	3.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6820	7570	0.259	0.219	0.0792	0.0512	0.230	0.311	456	254	**0.0155**	**0.0155**	1910	2100
10/15/07	31.0	8.45	**0.0182**	**0.0254**	**0.409**	**0.155**	3.36	3.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6310	6910	0.348	0.324	0.0648	0.0486	0.218	0.240	305	173	**0.0155**	**0.0155**	1820	1970
11/11/07	17.0	7.31	**0.0188**	**0.0302**	**0.367**	**0.421**	3.35		**0.0125**	**0.0125**	0.110	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6760	7590	**0.100**	**0.100**	0.0546	0.0486	0.218		319	214	**0.0155**	**0.050**	1950	2050
12/10/07	39.2	7.17	**0.0075**	**0.0248**	**0.155**	**0.155**	3.81	4.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6840	7540	0.391	0.464	0.0632	0.0418	0.148	0.192	374	213	**0.0155**	**0.0155**	1950	2070
01/25/08	41.2	6.85	**0.0208**	**0.0214**	**0.461**	**0.422**	5.75	5.05	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0286**	8220	7880	0.472	0.210	0.0938	0.0540	0.335		628	304	0.477	**0.050**	2370	2320
02/21/08	16.2	3.85	**0.0250**	**0.0250**	**0.394**	**0.313**	4.62	4.06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0250**	**0.0250**	8620	8190	0.565	0.503	0.0498		0.536		420	168	0.121	**0.050**	2430	2310
03/07/08																														
03/17/08	28.9	6.50	**0.0358**	**0.0484**	**0.393**	**0.364**	4.75	5.58	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0312**	**0.0402**	8450	9050	0.299	0.427	0.0644	0.0508	0.520	0.494	502	297	0.104	0.108	2370	2450
03/25/08																														
04/18/08	18.2	3.88	**0.0075**	**0.0217**	**0.155**	**0.155**	4.77	5.64	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0552	**0.0471**	8250	8930	0.520	0.533	0.0557	0.0488	0.454	0.514	436	262	0.159	**0.050**	2480	2600
05/19/08	48.7	18.2	**0.0075**	**0.0075**	**0.372**	**0.395**	3.06	2.79	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3330	3370	**0.100**	**0.100**	0.0771	0.0551	0.222		353	219	**0.050**	**0.0155**	1010	1030
06/13/08	31.6	9.77	**0.0075**	**0.0075**	0.505	**0.398**	3.03	2.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5030	5200	0.356	0.308	0.0659	0.0477	0.346	0.382	333	202	**0.050**	**0.050**	1500	1570
07/18/08	22.8	6.29	**0.0075**	**0.0155**	**0.496**	**0.396**	3.15	3.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6110	5970	0.227	**0.100**	0.0601	0.0444	0.246	0.279	335	138	**0.0155**	**0.0155**	1780	1720
08/19/08	14.2	6.34	**0.0181**	**0.0241**	0.583	**0.443**	3.32	3.57	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7240	7430	**0.175**	**0.108**	0.0485	0.0364	0.222	0.237	425	260	**0.0155**	**0.0155**	2150	2170
09/18/08	63.3	8.21	**0.0075**	**0.0191**	**0.456**	**0.397**	3.57	3.12	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5480	5780	0.201	**0.100**	0.110	0.0422	0.505	0.401	488	163	**0.0442**	**0.0155**	1670	1750
10/19/08	26.7	7.13	**0.0157**	**0.0165**	**0.432**	**0.394**	3.52	3.25	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6620	6310	0.307	0.300	0.0654	0.0492	0.226	0.315	278	127	**0.0155**	**0.0155**	2040	1950
11/19/08	17.6	4.04	**0.0075**	**0.0075**	0.535	**0.155**	4.02	4.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7520	7680	0.385	0.344	0.0568	0.0509	0.191	0.259	402	127	**0.0155**	**0.0320**	2270	2340
12/08/08	19.2	6.56	**0.0075**	**0.0075**	**0.349**	**0.155**	4.01	4.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7310	7600	**0.164**	**0.050**	0.0579	0.0489	0.181		444	133	**0.0155**	**0.0155**	2250	2320
Mean	42.4	9.49	0.0586	0.0275	0.413	0.292	3.79	3.47	0.011	0.0113	0.121	0.121	1.79	1.77	0.0145	0.0155	6460	6410	0.361	0.275	0.0744	0.0562	0.425	0.352	390	190	0.361	0.076	1910	1890
Median	27.5	7.31	0.0228	0.0241	0.409	0.29	3.5	3.25	0.0125	0.0125	0.008	0.0075	1.25	1.25	0.0078	0.0125	6620	6530	0.307	0.241	0.0632	0.0497	0.315	0.284	352	181	0.050	0.050	1970	1995
St. Deviation	58.1	6.22	0.207	0.0216	0.163	0.153	1.02	1.03	0.0023	0.0043	0.266	0.27	1.31	1.11	0.0122	0.0115	1570	1670	0.3	0.187	0.0407	0.0261	0.515	0.260	153	72.2	1.74	0.143	440	430
# of values	47	47	47	41	47	47	47	45	47	47	47	46	47	46	47	47	47	45	47	44	47	38	47	33	47	47	47	36	47	46
Minimum	11.5	2.98	0.005	0.00155	0.155	0.125	2.26	1.77	0.00748	0.001495	0.00155	0.00155	0.75	0.75	0.0075	0.003095	3160	2830	0.050	0.03565	0.0330	0.00155	0.148	0.170	227	44.8	0.0155	0.0155	884	746
Maximum	362	32.9	1.43	0.100	0.792	0.669	7.47	7.24	0.0144	0.033	0.750	0.750	6.40	5.00	0.0684	0.0500	9880	10100	2.01	0.935	0.261	0.172	3.61	1.68	1030	440	12.0	0.819	2860	2660
% of values undetected	4%	15%	49%	44%	19%	45%	0%	0%	96%	96%	91%	93%	87%	89%	87%	89%	0%	0%	13%	27%	11%	3%	0%	0%	0%	0%	55%	78%	0%	0%
# of values between MDL and PQL	0	0	14	17	24	19	0	0	1	1	3	2	3	4	4	5	0	0	4	3	2	0	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.060	0.059	NA	NA	10.98	10.56276	NA	NA	1.627	1.561	1000	1000	0.236	0.257	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	2%	3%	2%	0%	15%	6%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100C																										
Sample Date																										
04/30/04	25.7	17.2	0.0021		**0.155**	**0.155**	**0.185**	0.243	524	494	**0.155**	**0.155**	2670	**0.0031**	**0.0031**	1570	1590	**0.0125**	**0.0125**	**0.155**	**0.155**	0.548	**0.292**	2.30	
05/19/04	18.6	17.4	0.0021		**0.155**	**0.155**	0.231	0.369	414	399	**0.155**	**0.155**	3930	**0.00310**	**0.00310**	1780	1720	**0.0125**	**0.0125**	**0.155**	**0.155**	0.680	0.465	4.15	3.35
05/21/04																										
06/02/04																										
06/15/04	16.9	15.2	**0.0005**		**0.545**	**0.155**	0.358	0.361	458	432	**0.155**	**0.155**	4070	**0.00310**	**0.00310**	2300	2180	**0.0125**	**0.0125**	**0.155**	**0.155**	0.408	0.478	1.82	2.14
07/14/04	12.7	8.35	**0.0005**		**0.334**	**0.442**	0.270		487	482	**0.155**	**0.155**	4640	**0.0031**	**0.0031**	2580	2550	**0.0125**	**0.0125**	**0.155**	**0.155**	0.662	0.723	**0.75**	1.60
08/16/04																										
08/24/04	9.07	7.75	**0.0005**		**0.155**	**0.155**	0.207		476	476	**0.155**	**0.155**	4590	**0.0031**	**0.0031**	2550	2510	**0.0125**	**0.0125**	**0.155**	**0.155**	0.479	**0.384**	**0.75**	**0.75**
09/15/04	9.66	7.74	**0.0005**		**0.155**	**0.155**	0.300	0.442	526	473	**0.155**	**0.155**	4990	**0.0031**	**0.0031**	2720	2550	**0.0125**	**0.0125**	**0.155**	**0.155**	0.481	0.448	**0.75**	**0.75**
10/18/04	20.2	17.4	0.0014		**0.155**	**0.155**	0.203		449	436	**0.155**	**0.155**	5540	**0.0031**	**0.0031**	2260	2260	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.357**	**0.331**	**0.75**	1.53
01/25/05	12.9	9.74	**0.0005**		0.166	0.119	0.221	0.258	565	569	**0.0775**	**0.0775**	7090	**0.0031**	**0.0031**	2880	2930	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.331**	**0.100**	**1.14**	
03/17/05	11.9	10.0	**0.00126**		**0.0169**	0.118	**0.045**	0.138	540	610	**0.0143**	**0.0432**	6370	0.01	**0.001435**	2290		**0.002125**	**0.002125**	0.282	**0.0302**	0.294	0.188	1.03	
05/06/05	87.1	27.5	**0.000147**		**0.0782**	**0.050**	0.291	0.161	543	476	**0.0535**	**0.0311**	3210	**0.00362**	**0.001435**	1360	1180	**0.002125**	**0.002125**	**0.065**	**0.0302**	1.37	0.305	2.50	2.57
06/05/05	17.6	7.36	**0.000450**		0.0526		0.366		497	478	**0.0775**	**0.0775**	4580	**0.0031**	**0.0031**	2340	2420	**0.0031**	**0.0031**	**0.031**	**0.031**	0.449	0.518	**0.75**	1.54
07/11/05	11.3	6.04	**0.000450**		0.099		0.227		438	444	**0.0775**	**0.0775**	4490	**0.0031**	**0.0031**	2710	2690	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.281**	**0.376**	2.07	
08/16/05	7.77	2.15	**0.0025**		0.0896		0.370		499	526	**0.0775**	**0.166**	4740	**0.0031**	**0.0031**	2950	3020	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.330**	0.666	3.11	1.70
09/13/05	21.8	11.1	**0.0025**		0.121	0.0606	0.371		571	573	**0.0775**	**0.0775**	5830	**0.0031**	**0.0031**	2480	2500	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.345**	**0.100**	**0.75**	2.14
10/28/05	23.7	20.0	**0.00375**		0.063		0.328		577	554	**0.0775**	**0.164**	7330	**0.01**	**0.0031**	2840	2920	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.298**	**0.208**	1.56	**1.28**
02/09/06	93.6	88.5	**0.000475**		0.986	0.954	0.686		601	552	**0.155**	**0.155**	2680	**0.0031**	**0.0031**	3340	3110	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.04	
03/13/06	23.0	15.0	**0.000475**		0.462	0.456	0.354		716	708	**0.721**	**0.155**	7240	**0.0031**	**0.0031**	3310	3390	0.0114		0.599	0.105	**0.250**	0.596	0.981	
04/01/06																										
05/20/06	53.4	37.6	**0.00250**		**0.0474**	**0.0360**	0.264	0.327	704	732	**0.155**	**0.155**	2690	**0.0031**	**0.0031**	1720	1860	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.960	**0.461**	3.81	2.86
06/15/06	20.4	11.0	**0.00250**		0.134	0.132	0.255		548	545	**0.155**	**0.155**	4070	**0.0031**	**0.0031**	2280	2190	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.88	1.83
07/23/06	12.9	8.73	**0.000475**		0.120	0.126	0.274		464	486	**0.155**	**0.155**	4780	**0.0031**	**0.0031**	2750	2940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.37	
08/16/06	15.3	8.22	**0.00250**		0.0846	0.0950	0.267		426	398	**0.155**	**0.155**	4220	**0.0072**	**0.0031**	2160	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.48	1.40
09/15/06	17.4	6.95	**0.00250**		0.0946	0.0870	0.222	0.354	528	486	**0.155**	**0.155**	4390	**0.0062**	**0.0031**	2350	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.55	1.80
11/03/06	20.1	17.8	**0.000475**		0.128	0.115	0.301	0.221	610	544	**0.155**	**0.155**	6940	**0.0031**	**0.0031**	2740	2780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.762**	1.33	**0.50**
12/13/06	18.4	17.6	**0.000976**		0.145		0.385	0.562	627		**0.155**	**0.155**	8560	**0.0031**	**0.0031**	3230		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.64	
02/16/07	37.2	17.4	**0.000832**		0.145	0.155	0.276	0.246	621	651	**0.155**	**0.155**	6120	**0.0031**	**0.0031**	2670	2710	**0.0152**	**0.0050**	**0.050**	**0.050**	**0.648**	**0.316**	7.88	4.17
03/17/07	15.3	13.0	**0.000169**		0.160	0.154	0.330	0.292	776	760	**0.155**	**0.155**	6330	**0.0031**	**0.0031**	3420	3260	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.155**	2.41	1.81
03/31/07																										
04/21/07	17.4		**0.00250**		0.103	0.113	0.375		842	864	**0.155**	**0.155**	4090	**0.0031**	**0.0031**	1990	2050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.08	
05/12/07	26.7	21.7	**0.000920**		0.107	0.0924	0.233		681	646	**0.155**	**0.155**	3820	**0.0031**	**0.0031**	1920	1790	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.348**	**0.155**	2.07	2.42
06/18/07	22.8	13.2	**0.000169**		0.155	0.163	0.240	0.283	487	520	**0.155**	**0.155**	4140	**0.0031**	**0.0031**	2400	2440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.444**	**0.363**	**0.50**	
07/14/07	12.3	4.88	**0.000169**		0.173	0.182	0.281	0.420	488	486	**0.155**	**0.155**	4170	**0.0031**	**0.0031**	2780	2660	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.372**	**0.155**	**0.50**	**0.50**
08/16/07	8.29	3.37	**0.000374**		0.153	0.155	0.285	0.358	481	490	**0.155**	**0.155**	3970	**0.0031**	**0.0031**	2560	2590	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.351**	**0.155**	2.57	2.54
09/17/07	27.4	14.2	**0.00250**		0.131	0.152	0.217		522	589	**0.155**	**0.155**	5400	**0.0031**	**0.0031**	2580	2870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.346**	**0.155**	2.08	2.02
10/15/07	20.5	15.0	**0.00250**		0.119	0.144	0.234	0.332	480	537	**0.155**	**0.155**	6850	**0.0031**	**0.0031**	2500	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.26
11/11/07	18.3	15.4	**0.00250**		0.123		0.230	0.333	505	570	**0.155**	**0.155**	6850	**0.0031**	**0.0031**	2620	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.34
12/10/07	18.7	12.6	**0.000659**		0.117	0.141	**0.100**	0.326	501	553	**0.155**	**0.155**	7020	**0.0031**	**0.0031**	2640	2790	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
01/25/08	33.7	19.3	**0.00075**		0.137	0.138	0.271		681	672	**0.155**	**0.155**	8030	**0.0031**	**0.0031**	2960	2960	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.403**	**0.155**	2.32	2.01
02/21/08	17.7	16.6	**0.00075**		0.155	0.152	0.287		690	640	**0.155**	**0.155**	7710	**0.0031**	**0.0031**	3180	3300	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.62	
03/07/08																										
03/17/08	26.9	21.2	**0.00075**		0.137	0.162	0.423	0.420	629	692	**0.155**	**0.155**	7560	**0.0031**	**0.0031**	2980	3070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.62	
03/25/08																										
04/18/08	19.1	15.2	**0.00075**		0.0572	0.0883	0.346		661	732	**0.155**	**0.155**	7450	0.0221	**0.0031**	3010	3220	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.36	
05/19/08	31.2	24.9	**0.00262**		0.0653	0.0565	**0.100**	**0.100**	500	509	**0.155**	**0.155**	3250	**0.0031**	**0.0031**	1380	1450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.436**	**0.155**	1.84	1.95
06/13/08	20.1	14.2	**0.00075**		0.103	0.109	0.210	0.282	521	520	**0.155**	**0.155**	5110	**0.0031**	**0.0031**	2190	2260	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.460**	**0.155**	1.37	1.16
07/18/08	18.9	11.6	**0.00075**		0.119	0.142	0.256	0.316	432	425	**0.155**	**0.155**	4310	**0.0031**	**0.0031**	2280	2180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.436**	**0.155**	1.01	**0.50**
08/19/08	12.2	5.19	**0.00075**		0.144	0.151	**0.100**	0.329	462	478	**0.155**	**0.155**	4310	**0.0031**	**0.0031**	2750	2750	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.419**	**0.325**	1.13	1.86
09/18/08	33.6	9.29	**0.00075**		0.0924	0.106	0.226	0.244	462	485	**0.155**	**0.155**	4670	**0.0031**	**0.0031**	2150	2240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.380**	**0.155**	1.16	1.74
10/19/08	19.7	14.9	**0.00174**		0.115	0.107	0.270	0.453	504	494	**0.155**	**0.155**	6490	**0.0031**	**0.0031**	2750	2650	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.51
11/19/08	20.1	15.3	**0.00075**		**0.0482**	**0.047**	0.358	0.438	568	592	**0.155**	**0.155**	7570	**0.0031**	**0.0031**	2890	2960	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.19	1.83
12/08/08	22.6	18.5	**0.00075**		0.065		0.209	0.331	562	583	**0.155**	**0.155**	7220	**0.0031**	**0.0031**	2720	2790	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	9.85	6.07
Mean	23.0	15.5	0.00122	NA	0.155	0.161	0.273	0.319	550	551	0.152	0.144	5360	0.0040	0.0030	2530	2530	0.0059	0.0056	0.078	0.061	0.364	0.271	2	1.89
Median	19.1	14.6	0.00075	NA	0.123	0.142	0.270	0.328	524	532	0.155	0.155	4780	0.0031	0.0031	2580	2650	0.0050	0.0050	0.050	0.050	0.345	0.155	1.56	1.80
St. Deviation	16.6	12.8	0.00094	NA	0.155	0.152	0.101	0.101	96	102	0.092	0.032	1600	0.0031	0.0003	480	510	0.0035	0.0031	0.093	0.042	0.229	0.171	1.76	1.09
# of values	47	46	47	0	47	40	47	28	47	46	47	47	47	47	47	47	45	47	46	47	47	47	47	47	33
Minimum	7.77	2.15	0.000147	NA	0.0169	0.036	0.045	0.100	414	398	0.0143	0.0311	2670	0.0031	0.001435	1360	1180	0.002125	0.002125	0.0155	0.0155	0.110	0.100	0.50	0.50
Maximum	93.6	88.5	0.00375	NA	0.986	0.954	0.686	0.562	842	864	0.721	0.166	8560	0.0221	0.0031	3420	3390	0.0152	0.0125	0.599	0.155	1.37	0.762	9.85	6.07
% of values undetected	0%	0%	74%		13%	18%	9%	4%	0%	0%	96%	91%	0%	89%	100%	0%	0%	96%	100%	94%	98%	40%	60%	26%	15%
# of values between MDL and PQL	0	0	9		5	3	1	0	0	0	2	4	0	3	0	0	0	1	0	1	0	18	10	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	9.25	9.23	NA	NA	5	4.6	NA	0.120644	0.103	NA	NA	NA	NA	NA	NA	NA	NA	21.20	20.90
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV		mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NK100D																											
Sample Date																											
04/30/04	5.99	-0.17	12.28		0.025			10.2	29.0	31.3	3.70	**1.57**	11.0	**0.0700**			**0.0155**		0.710	**0.050**	1.05	**0.00125**	**0.00260**	**0.065**			**0.0155**
05/19/04	6.87	5.22	10.99		0.048		0.7	17.9	41.0	63.8	1.20	**2.065**	22.0	**0.0470**			**0.0155**		0.654	**0.050**	1.57	**0.00125**	**0.00125**	**0.065**			**0.0155**
Mean	6.43	2.5	11.64	NA	0.037	NA	0.7	14.1	35.0	47.6	2.45	1.82	16.5	0.0585	NA	NA	0.0155	NA	0.680	0.050	1.31	0.00125	0.00190	0.065	NA	NA	0.0155
Median	6.43	2.5	11.64	NA	0.037	NA	0.7	14.1	35.0	47.6	2.45	1.82	16.5	0.0585	NA	NA	0.0155	NA	0.680	0.050	1.31	0.00125	0.00190	0.065	NA	NA	0.0155
St. Deviation	0.62	3.8	0.91	NA	0.016	NA	NA	5.4	8.5	23.0	1.77	0.35	7.8	0.0163	NA	NA	0	NA	0.040	0	0.37	0	0.00100	0	NA	NA	0
# of values	2	2	2	0	2	0	1	2	2	2	2	2	2	2	0	0	2	0	2	2	2	2	2	2	0	0	2
Minimum	5.99	-0.17	10.99	NA	0.025	NA	0.7	10.2	29.0	31.3	1.20	1.57	11.0	0.0470	NA	NA	0.0155	NA	0.654	0.050	1.05	0.00125	0.00125	0.065	NA	NA	0.0155
Maximum	6.87	5.22	12.28	NA	0.048	NA	0.7	17.9	41.0	63.8	3.70	2.065	22.0	0.0700	NA	NA	0.0155	NA	0.710	0.050	1.57	0.00125	0.00260	0.065	NA	NA	0.0155
% of values undetected	0%	0%	0%		0%		0%	0%	0%	0%	0%	100%	0%	0%			100%		0%	100%	0%	100%	50%	100%			100%
# of values between MDL and PQL	0	0	0		0		0	0	0	0	0	0	0	2			0		0	0	0	0	1	0			0
Chronic Aquatic Life Criteria (CALC)[1,4]	≥6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.94
Drinking Water Standards (DWS)[2]	≥6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	50%	0%	0%	NA	0%	NA	0%	0%	0%	0%	0%	0%	50%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	NA	0%
% of DWS exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	#DIV/0!	#DIV/0!	0%	#DIV/0!	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100D																														
Sample Date																														
04/30/04	132	32.6	5.62	**0.0385**	**0.125**	**0.125**	3.52	2.11	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2640	2510	0.342	0.453	**0.0974**		1.10	0.549	363	117	**0.100**	**0.050**	866	870
05/19/04	50.8	**12.5**	**0.100**		**0.125**	**0.250**	3.66	3.07	0.120	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	0.129	**0.0155**	4730	4180	0.370	**0.100**	0.182		0.884	0.725	261	157	**0.100**	**0.050**	1480	1330
Mean	91.0	22.6	2.90	0.0385	0.125	0.190	3.59	2.59	0.064	0.0075	0.750	0.750	1.55	1.55	0.0720	0.0155	3690	3350	0.360	0.277	0.140	NA	0.992	0.637	312	137	0.100	0.050	1173	1100
Median	91.0	22.6	2.90	0.0385	0.125	0.190	3.59	2.59	0.064	0.0075	0.750	0.750	1.55	1.55	0.0720	0.0155	3690	3350	0.360	0.277	0.140	NA	0.992	0.637	312	137	0.100	0.050	1173	1100
St. Deviation	57.0	14.2	3.90	NA	0.0	0.090	0.10	0.68	0.08	0	0	0	0	0	0.0800	0	1480	1180	0.020	0.250	0.060	NA	0.153	0.124	72	28	0	0	434	330
# of values	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2
Minimum	50.8	12.5	0.100	0.0385	0.125	0.125	3.52	2.11	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	2640	2510	0.342	0.100	0.0974	NA	0.884	0.549	261	117	0.100	0.050	866	870
Maximum	132	32.6	5.62	0.0385	0.125	0.250	3.66	3.07	0.120	0.0075	0.750	0.750	1.55	1.55	0.129	0.0155	4730	4180	0.370	0.453	0.182	NA	1.10	0.725	363	157	0.100	0.050	1480	1330
% of values undetected	0%	50%	50%	100%	100%	100%	0%	0%	50%	100%	100%	100%	100%	100%	50%	100%	0%	0%	0%	50%	0%		0%	0%	0%	0%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.051	0.051	NA	NA	10.98	10.56276	NA	NA	1.369	1.314	1000	1000	0.182	0.204	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK100D																									
Sample Date																									
04/30/04	24.6	17.1	0.0025		**0.155**	**0.155**	0.209	0.398	695	674	**0.155**	**0.155**	2990	**0.0031**	**0.0031**	1310	1310	**0.0125**	**0.0125**	**0.507**	**0.155**	0.682	**0.318**	4.28	
05/19/04	19.1	18.3	0.0023		**0.155**	**0.155**	0.345	0.362	509	470	**0.155**	**0.155**	4880	**0.0137**	**0.0031**	1820	1720	**0.0125**	**0.0125**	**0.155**	**0.155**	0.666	**0.200**	2.36	3.47
Mean	21.9	17.7	0.0024	NA	0.155	0.155	0.277	0.380	602	572	0.155	0.155	3940	0.0084	0.0031	1570	1520	0.0125	0.0125	0.331	0.155	0.674	0.259	3.32	3.47
Median	21.9	17.7	0.0024	NA	0.155	0.155	0.277	0.380	602	572	0.155	0.155	3940	0.0084	0.0031	1570	1520	0.0125	0.0125	0.331	0.155	0.674	0.259	3.32	3.47
St. Deviation	3.90	0.80	0.0001	NA	0	0	0.096	0.025	132	144	0	0	1340	0.0075	0	360	290	0	0	0.249	0	0.011	0.083	1.36	NA
# of values	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
Minimum	19.1	17.1	0.0023	NA	0.155	0.155	0.209	0.362	509	470	0.155	0.155	2990	0.0031	0.0031	1310	1310	0.0125	0.0125	0.155	0.155	0.666	0.200	2.36	3.47
Maximum	24.6	18.3	0.0025	NA	0.155	0.155	0.345	0.398	695	674	0.155	0.155	4880	0.0137	0.0031	1820	1720	0.0125	0.0125	0.507	0.155	0.682	0.318	4.28	3.47
% of values undetected	0%	0%	0%		100%	100%	0%	0%	0%	0%	100%	100%	0%	50%	100%	0%	0%	100%	100%	50%	100%	0%	50%	0%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	7.80	7.78	NA	NA	5	4.6	NA	0.085284	0.072	NA	NA	NA	NA	NA	NA	NA	NA	17.87	17.62
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV		mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NK119A																											
Sample Date																											
04/30/04	6.46	0.13	12.82		0.028	36	3.6	8.20	22.0	27.5	1.00	**1.57**	**9.0**	**0.0450**			**0.0155**		0.921	**0.0155**	1.37	**0.00125**	**0.00260**	**0.065**			**0.0155**
05/21/04	6.60	4.16	11.84		0.024	117	0.7	5.87	20.0	16.3	1.68	**1.57**	**7.5**				**0.0155**		0.562	**0.0500**	1.09	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/21/04	6.60	4.16	11.84		0.024	117	0.7	5.87	20.0	16.3	1.68	**1.57**	**7.5**				**0.0155**		0.562	**0.0500**	1.09	**0.00125**	**0.00125**	**0.065**			**0.0155**
06/15/04	6.94	6.27	10.97		0.030	-24	1.7	9.05	30.0	32.5	0.900	**1.57**	12.0				**0.0155**		0.559	**0.0490**	0.885	**0.00125**	**0.00125**	**0.065**			**0.0155**
07/15/04	7.17	11.72	12.07		0.039	-3		11.8	36.2	35.0	0.5	**1.57**	15.5	3.80			**0.0155**		0.564	**0.050**	1.01	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/16/04													20.0														
08/24/04	7.30	9.70	13.08	116.5	0.050	182	0.9	13.7	45	32.5	0.5	**1.57**	20.0	**0.155**			**0.0155**		0.658	**0.037**	1.08	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/15/04	7.40	5.71	11.65	93.6	0.048	224	0.1	12.9	40	48.8	0.5	**1.57**	20.3	**0.155**			**0.0155**		0.718	0.135	1.22	**0.0025**	**0.0030**	**0.23**			**0.053**
10/17/04	6.65	3.10	13.98		0.029			7.94	27	21.3	**0.3**	**1.57**	**9.5**	**0.94**			**0.0155**		0.958	**0.0155**	1.09	**0.0040**	**0.00125**	**0.35**			**0.0155**
01/25/05	7.60	0.62	12.43		0.043	-41	5.2																				
01/26/05								13.8	38	31.2	**0.075**	**2.25**	16.0	0.11			0.0654		0.685	**0.032**	1.26	**0.00125**	**0.00125**	**0.26**			**0.050**
03/20/05	7.80	0.56	13.31	93.3	0.051	-17	2.4	16.1	44	32.5	**0.15**	7.00	22.0	0.77			0.0421		0.698	**0.033**	1.31	**0.00125**	**0.00125**	**0.49**			**0.0155**
05/03/05	5.63	0.55	14.56	101.1	0.023	202.4	1.27	7.73	22	**6.30**	2.22	**3.75**	**9.00**	0.15			0.0339		0.585	**0.0155**	0.679	**0.00125**	**0.00125**	**0.49**			**0.0155**
06/04/05	7.32	7.48	11.18	96.0	0.027	58	5.5	7.87	24	22.5	1.1	**4.13**	**5.00**	**0.06**			0.0090		0.398	**0.0155**	4.14	**0.00125**	**0.00125**	**0.099**			**0.050**
06/05/05																											
07/11/05	6.17	13.25	5.83	56.1	0.028	-113.2	0.41	11.6	29	27.5	0.87	**0.785**	12.8	0.446			0.150		0.463	**0.0155**	1.98	**0.0025**	**0.0025**	**0.38**			**0.031**
08/16/05	7.21	11.22	10.96	99.9	0.035	172.7	0.42	15.5	36.5	40.0	**0.147**	**0.785**	17.0	0.237			**0.0180**		0.546	**0.0155**	0.991	**0.00125**	**0.0039**	**0.41**			**0.0155**
09/13/05	4.72	6.15	12.10	97.6	0.022	234.8	0.59	7.71	23.5	30.0	0.518	**2.00**	**8.00**	**0.0155**			**0.0110**		0.813	**0.0155**	0.671	**0.00125**	**0.00125**	**0.40**			**0.037**
10/28/05	5.94	0.58	12.89	89.3	0.033	213.8	0.43	13.0	34	**8.75**	**0.075**	**2.13**	14.0	**0.0855**			**0.0140**		0.721	**0.0155**	1.0	**0.00125**	**0.00125**	**0.23**			0.101
01/19/06	6.66	0.11	12.92	89.5	0.040	49.8	0.64	17.3	45.0	**3.75**	**0.0805**	**3.25**	20.5	**0.0695**			**0.00165**		0.642	**0.0155**	1.17	**0.00125**	**0.00125**	**0.26**			**0.050**
02/09/06	6.72	0.32	13.12	90.6	0.042	30.9	0.36	52.2	150	126	2.32	**3.00**	26.0	0.116			0.0320		0.694	**0.081**	6.84	**0.00125**	**0.00125**	**0.064**			**0.0155**
03/13/06	6.40	0.41	11.60	77.2	0.049	60.9	0.41	21.1	55.0	30.0	**0.4**	**4.00**	26.0	0.170			0.0176		0.670	**0.0155**	1.29	**0.00125**	**0.00125**	**0.155**			0.149
04/01/06	6.31	0.36	11.77	81.3		-182																					
05/20/06	5.05	0.37	10.26	70.9	0.023	232.2	0.63	8.71	25.0	21.2	0.600	5.50	**8.00**	0.188	**0.0155**	0.177	0.0220	**0.0155**	1.34	**0.0155**	1.02	**0.00125**	**0.00125**	**0.32**			**0.0155**
06/15/06	6.37	9.43	6.37	55.8	0.024	6.3	0.37	9.45	22.0	27.5	**0.400**	**1.75**	10.0	0.106	**0.0155**	0.102	0.0159	**0.0155**	0.771	**0.0690**	4.08	**0.00125**	**0.00125**	**0.155**			**0.0155**
07/23/06	6.74	7.86	6.57	55.4	0.033	113.8	0.56	14.0	32.0	31.3	**0.600**	**2.00**	16.0	**0.0155**	**0.0155**	**0.0155**	0.0230	**0.05**	0.511	**0.0360**	1.06	**0.00105**	**0.0025**	**0.155**			**0.0155**
08/16/06	5.68	7.51	9.15	76.3	0.020	151.3	0.42	8.17	20.0	31.2	0.733	**3.25**	**9.00**	**0.0155**	**0.0500**	**0.0155**	0.0150	**0.05**	0.351	**0.0310**	0.620	**0.00075**	**0.00075**	**0.155**			**0.0155**
09/15/06	5.60	7.14	10.38	85.8	0.024	199.3	1.39	8.11	21.0	33.8	0.700	**1.57**	**8.00**	0.131	**0.0155**	0.119	0.0150	**0.0155**	0.874	**0.0330**	0.690	**0.00075**	**0.00075**	**0.34**			**0.0330**
11/03/06	6.11	0.05	10.57	72.3	0.033	119.7	0.48	12.4	32.0	20.0	0.722	**1.57**	13.0	**0.0800**	**0.0155**	**0.0690**	0.0240	**0.05**	0.633	**0.0155**	0.920	**0.00075**	**0.00075**	**0.155**			**0.050**
12/13/06	5.57	0.53	10.78	74.8	0.040	92.9	0.27	14.0	38.0	36.2	**0.150**	**1.57**	20.0	**0.050**	**0.0155**	**0.0500**	0.0200	**0.05**	0.613	**0.0155**	1.06	**0.00075**	**0.0030**	**0.155**			**0.0155**
02/17/07	6.45	0.58	9.40	65.3	0.045	310.4	0.26	18.1	45.0	36.3	**0.1545**	**1.57**	24.0	0.124	**0.0155**	0.111	0.0110	**0.05**	0.601	**0.0155**	1.06	**0.00075**	**0.0020**	**0.155**			**0.0155**
03/17/07	6.81	0.31	11.18	77.3	0.047	157.8	0.49	16.5	46.0	32.3	**0.079**	**3.14**	24.0	0.110	**0.0155**	**0.0995**	0.0150	**0.05**	0.712	**0.0400**	1.27	**0.0025**	**0.0025**	**0.155**			**0.0155**
03/30/07	7.12	0.83	8.69	61.2	0.048	154.3																					
04/22/07	6.85	0.44	8.04	55.7	0.038	118.1	0.82	14.7	36.5	37.5	**0.1515**	**1.57**	13.0	**0.0665**	**0.0155**	**0.0515**	0.0320		0.821	**0.0360**	1.11	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/13/07	5.87	0.68	11.30	79.1	0.018	211.4	0.59	7.13	18.0	26.3	0.700	**1.57**	**5.67**	0.110			0.0173		0.599	**0.0155**	0.622	**0.00075**	**0.0020**	**0.155**			**0.0155**
06/18/07	6.86	8.46	11.72	100.2	0.025	150.2	0.25	9.19	25.0	36.3	0.700	**1.57**	11.0	**0.0705**			0.0188		0.537	**0.0590**	1.10	**0.00075**	**0.00075**	**0.155**		1.46	**0.0155**
07/13/07	6.25	8.01	8.43	71.2	0.027	78.5	0.94	11.3	27.0	31.3	1.10	**1.57**	12.3	**0.0155**			0.0189		0.410	**0.0380**	0.720	**0.00075**	**0.00075**	**0.155**		1.91	**0.0155**
08/16/07	7.30	9.14	9.72	84.6	0.034	55.3	0.79	11.8	32.5	38.8	1.04	**1.57**	14.7	0.147			0.0175		0.449	**0.0155**	0.695	**0.00075**	**0.00075**	**0.155**		1.76	**0.0632**
09/17/07	5.78	5.90	9.96	79.3	0.027	153.9	0.37	11.0	27.0	35.0	0.737	**1.57**	11.8	**0.0605**			0.0219		0.557	**0.0155**	0.674	**0.0025**	**0.00075**	**0.155**		1.13	**0.0155**
10/14/07	6.16	1.77	11.89	85.4	0.028	91.0	0.26	10.7	28.0	43.8	**0.309**	**1.57**	12.3	0.160			0.0210		0.587	**0.0155**	0.800	**0.00075**	**0.00075**	**0.155**		0.767	**0.0155**
11/10/07	6.15	0.11	10.26	70.4	0.032	186.9	0.47	11.3	31.0	25.0	**0.150**	**1.57**	13.9	**0.0805**			0.0171		0.621	**0.0155**	0.863	**0.0017**	**0.00075**	**0.155**		1.47	**0.0155**
12/09/07	7.96	0.14	12.00	83.2	0.035	169.9	0.41	12.8	32.1	26.3	**0.204**	**1.57**	13.9	**0.064**			0.0138		0.550	**0.031**	0.802	**0.00075**	**0.00075**	**0.155**		0.714	**0.0155**
01/25/08	7.49	0.21	11.94	82.8	0.042	16.5	0.49	15.6	45.8	20.0	**0.1515**	**7.49**	21.7	**0.050**			0.0167		0.530	**0.0330**	0.925	**0.00075**	**0.00075**	**0.37**		0.787	**0.0155**
02/20/08	6.45	0.49	8.21	57.1	0.045	258.3	0.28	16.6	46.7	41.3	**0.300**	**4.06**	22.3	0.110			0.0157		0.533	**0.0155**	0.963	**0.00075**	**0.0025**	**0.155**		**0.250**	**0.0155**
03/17/08	6.86	0.52	9.23	64.1	0.050	156.2	0.63	19.0	49.8	38.8	**0.1515**	**7.62**	25.3	0.156			0.0170		0.551	**0.0340**	0.897	**0.00075**	**0.00075**	**0.155**		0.728	**0.0155**
03/25/08	7.71	0.66	11.74	82.1	0.047	165.1																					
04/18/08	6.96	0.56	11.38	79.1	0.050	189.3	0.27	18.4	49.9	48.8	**0.183**	**4.72**	25.7	0.123			0.0129		0.545	**0.0310**	0.996	**0.0025**	**0.00075**	**0.155**		0.543	**0.0997**
05/19/08	6.83	0.08	9.84	67.5	0.019	165.9	0.73	8.14	22.8	28.8	1.23	**4.56**	**7.94**	0.161			0.0158		0.485	**0.0155**	0.553	**0.0025**	0.0055	**0.155**		2.98	0.115
06/14/08	7.03	6.02	8.31	66.7	0.018	147.8	0.38	7.39	18.9	31.3	**0.200**	**1.57**	**7.66**	0.219			0.0113		0.427	**0.036**	1.07	**0.00075**	**0.00075**	**0.155**		2.20	**0.0613**
07/18/08	5.81	5.51	8.05	63.8	0.022	175.8	0.33	8.85	23.9	21.3	**0.075**	**1.57**	10.3	**0.0155**			0.0137		0.581	**0.060**	1.88	**0.0025**	**0.00075**	**0.155**		1.47	**0.050**
08/19/08	7.27	7.88	7.43	62.6	0.039	36.6	0.42	13.3	34.9	26.3	**0.075**	**1.57**	16.2	**0.0355**			0.0175		0.479	**0.050**	0.876	**0.0015**	**0.00075**	**0.155**		0.722	**0.050**
09/19/08	5.26	6.44	9.96	80.9	0.020	204.5	0.97	6.97	22.4	38.8	0.812	**1.57**	**8.14**	**0.040**			0.0156		0.733	**0.0155**	0.534	**0.00075**	**0.00075**	**0.40**		4.55	**0.050**
10/19/08	5.53	0.12	11.47	78.7	0.030	217.6	0.27	11.7	32.9	38.8	**0.0765**	**1.57**	13.7	**0.066**			0.0170		0.596	**0.035**	0.749	**0.00075**	**0.00075**	**0.155**		0.988	**0.050**
11/20/08	5.90	0.06	11.40	78.0	0.045	143.6	0.89	14.1	41.9	37.5	**0.1545**	**1.57**	17.3	0.152			0.0207		0.542	**0.0155**	0.976	**0.00075**	**0.00075**	**0.155**		0.606	**0.050**
12/08/08	6.45	0.22	11.14	76.6	0.035	209.5	0.42	12.2	37.1	13.8	**0.165**	**1.57**	15.4	0.122			0.0180		0.502	**0.032**	0.778	**0.00075**	**0.00075**	**0.155**		0.967	**0.0155**
Mean	6.54	3.55	10.72	78.4	0.034	120.8	0.9	12.70	34.8	31.5	0.568	2.47	14.6	0.221	0.0190	0.0810	0.0214	0.0385	0.622	0.0320	1.24	0.0013	0.0014	0.197	NA	1.37	0.0338
Median	6.6	0.67	11.18	78.7	0.033	150.2	0.5	11.8	32	31.3	0.4	1.57	13.8	0.110	0.0155	0.0843	0.0167	0.0500	0.585	0.0310	1	0.0013	0.0013	0.155	NA	0.988	0.0155
St. Deviation	0.73	3.91	1.95	14.1	0.010	97.2	1.1	6.9	19.4	16.9	0.544	1.66	6	0.566	0.0109	0.0504	0.021	0.0173	0.167	0.0220	1.07	0.0007	0.0010	0.113	NA	1.02	0.03
# of values	52	52	52	45	51	51	47	49	49	49	49	49	50	46	10	10	49	9	49	49	49	49	49	49	0	19	49
Minimum	4.72	0.05	5.83	55.4	0.018	-182	0.1	5.87	18.0	3.75	0.075	0.785	5.00	0.0155	0.0155	0.0155	0.00165	0.0155	0.351	0.0155	0.534	0.00075	0.00075	0.064	NA	0.250	0.0155
Maximum	7.96	13.25	14.56	116.5	0.051	310.4	5.5	52.2	150	126	2.32	7.62	26.0	3.80	0.0500	0.177	0.150	0.0500	1.34	0.1350	6.84	0.0040	0.0055	0.49	NA	4.55	0.149
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	57%	0%	20%	100%	30%	12%	100%	0%	47%	0%	88%	82%	61%		5%	76%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	3	8	16	12	13	0	3	3	0	0	22	0	3	5	16		0	6
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.05
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	48%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	NA	0%	0%
% of DWS exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK119A																														
Sample Date																														
04/30/04	57.9	33.2	**0.0385**		**0.125**	**0.125**	2.12	1.62	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2410	2490	**0.050**	**0.196**	**0.0523**		0.844	0.698	258	144	**0.100**	**0.050**	532	529
05/21/04	64.8	44.1	**0.0385**	**0.0385**	**0.125**	**0.125**	0.932	0.757	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0155**	1740	1690	**0.050**	**0.050**	**0.0367**		0.362	0.293	160	86.8	**0.050**	**0.050**	372	348
05/21/04	64.8	44.1	**0.0385**	**0.0385**	**0.125**	**0.125**	0.932	0.757	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0155**	1740	1690	**0.050**	**0.050**	**0.0367**		0.362	0.293	160	86.8	**0.050**	**0.050**	372	348
06/15/04	26.3	**12.5**	**0.0385**	**0.166**	**0.125**	**0.125**	1.54	1.42	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**4.08**	**0.0155**	**0.0155**	2800	2680	**0.050**	**0.133**	**0.0155**		0.424	0.279	89.3	52.1	**0.050**	**0.050**	497	471
07/15/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.73	1.60	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0500**	3790	3450	**0.050**	**0.100**	**0.0155**		0.252	**0.100**	82.0	36.1	**0.050**	**0.050**	570	635
08/16/04																														
08/24/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.86	1.82	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4330	4640	**0.169**	0.228	**0.0155**		0.235	**0.100**	57.5	21.4	**0.050**	**0.050**	698	747
09/15/04	**12.5**	**12.5**	**0.0385**	**0.152**	**0.125**	**0.125**	1.81	1.63	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.90**	**1.55**	**0.0155**	**0.0155**	3940	4550	**0.050**	**0.187**	**0.0155**		0.243	0.246	101	30.8	**0.050**	**0.050**	751	786
10/17/04	44.8	**12.5**	**0.0385**	**0.0385**	**0.125**		1.91		**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2450		**0.100**	0.330	**0.050**	**0.0155**	0.541	**0.100**	98.3	**9.88**	**0.050**	**0.050**	443	
01/25/05																														
01/26/05	8.74	7.25	0.0126	**0.0052**	**0.125**	**0.125**	2.03	2.18	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0250**	**0.0250**	4090	4150	0.422	0.414	0.0252	0.0252	0.262	0.231	71.2	39.0	**0.0155**	**0.0155**	866	822
03/20/05	6.00	6.88	**0.00405**	**0.0120**	0.0988	0.138	2.43	2.48	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.07	1.23	**0.003095**	**0.003095**	4900	5450	**0.0788**	**0.166**	**0.0152**	**0.0250**	**0.600**	0.210	32.1		**0.0110**	**0.0110**	942	1030
05/03/05	96.8	46.1	**0.00405**	**0.00405**	0.161	0.092	3.18	2.48	**0.00564**	**0.001495**	**0.003835**	**0.003835**	1.50	1.96	**0.003095**	**0.0100**	2380	2650	**0.03565**	**0.03565**	0.0825	0.0500	0.407	0.417	343	121	**0.0350**		435	452
06/04/05																														
06/05/05	36.5	17.3	0.0102	0.0146	**0.125**	**0.295**	1.34	1.43	**0.0075**	**0.0075**	**0.00155**	**0.0042**	**1.55**	**1.55**	**0.00775**	**0.00775**	2480	2230	**0.031**	**0.100**	0.0306	0.0256	0.167	0.226	91.4	53.3	**0.0155**		405	382
07/11/05	19.6	12.0	**0.0050**	**0.0050**	**0.125**	**0.125**	1.62	1.57	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	3550	3570	**0.031**	0.208	0.0232	0.0158	0.163	0.216	172	80.4	**0.0155**	**0.050**	656	672
08/16/05	79.3	7.52	4.22	**0.00155**	**0.125**	**0.125**	2.80	1.93	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4850	4810	0.465		0.0464	0.0266	0.376	0.375	142	53.3	**0.050**		832	825
09/13/05	71.6	57.6	0.0192	0.0128	**0.125**	**0.125**	2.31	2.32	**0.0075**	**0.0075**	0.0180	**0.00155**	**3.60**	**1.55**	**0.00775**	**0.00775**	2410	2430	**0.031**		0.0722	0.0724	0.490	0.483	211	148	**0.050**		410	464
10/28/05	23.6	13.2	0.139	0.03	**0.313**	**0.125**	2.37	2.15	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	4030	3960	0.339	0.445	0.0492		0.313	0.338	132	55.8	0.415	0.254	724	725
01/19/06	9.32	6.54	**0.0075**	**0.0206**	**0.155**	**0.155**	2.38	2.69	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	5350	5850	0.685	0.676	0.0458	0.0460	1.03	0.443	101	31.6	0.0672		965	1100
02/09/06	353	7.01	**0.0198**	**0.017**	**0.155**	**0.155**	12.5	12.4	**0.0288**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**2.57**	**0.0125**	**0.0125**	14000	15600	0.304		1.87	1.86	2.12	0.532	532	116	4.12	0.306	4170	4360
03/13/06	11.4	5.11	**0.0075**	**0.025**	**0.155**	**0.155**	2.92	2.57	**0.0120**	**0.0120**	0.0634	**0.0250**	**0.75**	**2.50**	**0.0125**	**0.0125**	6410	6220	0.235	0.261	0.0344	0.0322	0.284	0.229	77.3	20.3	0.694	0.263	1250	1190
04/01/06																														
05/20/06	57.1	36.1	**0.0250**	**0.0250**	**0.155**	**0.155**	2.63	2.34	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	2510	2410	0.233	0.383	0.0800	0.0600	0.451	0.550	315	168	0.0876		593	555
06/15/06	28.6	18.2	**0.0166**	**0.0212**	**0.155**	**0.155**	1.76	1.65	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.86**	**2.14**	**0.0125**	**0.0125**	2940	2990	0.209		0.0514	0.0516	0.274	0.335	179	114	0.500	0.314	514	516
07/23/06	13.2	7.89	**0.0188**	**0.0075**	**0.155**	**0.155**	2.13	2.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4390	4700	0.512		0.0482	0.0488	0.283	0.289	135	74.8	0.111		746	745
08/16/06	64.1	47.1	**0.0075**	**0.0075**	**0.155**	**0.155**	2.40	1.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2520	2400	0.287	0.358	0.0670	0.0620	0.382		182	111	**0.050**		458	439
09/15/06	69.5	53.8	**0.0075**	**0.0075**	**0.155**	**0.155**	2.45	2.11	**0.0125**	**0.0125**	**0.0250**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	2470	2420	0.222	**0.100**	0.0668	0.0528	0.431		198	118	**0.050**		472	459
11/03/06	13.7	9.77	**0.0075**	**0.0075**	**0.311**	**0.155**	11.2	2.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3880	4050	0.274	**0.050**	0.0422	0.0372	0.312	0.284	106	44.6	0.335	**0.050**	653	743
12/13/06	6.80	6.40	**0.0075**	**0.0075**	**0.155**	**0.155**	2.17		**0.0125**	**0.0125**	**0.0075**	**0.0244**	**1.25**	**1.25**	**0.0185**	**0.0185**	4290	4950	**0.050**	**0.050**	0.0234	0.0214	0.201	0.270	68.6	24.2	**0.050**	**0.050**	803	
02/17/07	6.00	5.36	0.0776	**0.0250**	**0.155**	**0.155**	2.57		**0.0125**	**0.0442**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5640	6360	1.09	0.703	0.0226	0.0314	0.230		72.0	34.7	**0.0155**	**0.050**	976	1130
03/17/07	5.11	3.82	**0.0075**	**0.0250**	**0.155**	**0.155**	2.08	2.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5120	5180	**0.050**	**0.100**	0.0204	0.0202	0.213	0.228	46.1	26.5	**0.0155**	**0.0155**	902	916
03/30/07																														
04/22/07	25.5	20.4	0.0916	0.0664	**0.155**	**0.155**	2.89	2.98	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0248**	**0.0075**	4400	4480	0.348	0.437	0.0478		0.603		229	122	0.305	0.186	891	928
05/13/07	44.2	36.3	**0.0075**	**0.0210**	**0.155**	**0.155**	2.05	2.03	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2150	2160	0.245	0.406	0.0460		0.308		339	255	**0.0155**	**0.050**	429	445
06/18/07	22.0	11.9	**0.0250**	**0.0250**	**0.155**	**0.155**	1.52	1.67	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2830	2850	**0.100**	**0.100**	0.0348	0.0260	0.237	0.241	135	68.4	**0.050**	**0.0155**	516	560
07/13/07	37.2	12.8	**0.0075**	**0.0250**	**0.155**	**0.155**	1.99	1.78	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3540	3180	0.269	0.260	0.0648	0.0536	0.317		331	101	0.108	**0.050**	596	598
08/16/07	16.4	10.4	**0.0075**	**0.0075**	**0.155**	**0.155**	1.82	1.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3710	3860	0.252	0.283	0.0518	0.0364	0.240		194	92.9	**0.0155**	**0.050**	614	640
09/17/07	38.1	22.8	**0.0075**	**0.0075**	**0.155**	**0.155**	2.34	2.34	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3480	3660	**0.100**	**0.100**	0.0538	0.0406	0.322	0.361	163	68.2	**0.0155**	**0.0155**	553	605
10/14/07	18.1	12.3	**0.0075**	**0.0206**	**0.155**	**0.155**	1.87		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3340	3690	0.368	0.416	0.0360	0.0304	0.193		95.4	47.2	**0.0155**	**0.050**	569	640
11/10/07	15.3	11.9	**0.0075**	**0.0178**	**0.155**	**0.155**	1.79		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3460	4170	0.434	**0.100**	0.0354	0.0278	0.268		100	43.9	**0.0155**	**0.0155**	640	737
12/09/07	17.0	12.9	**0.0075**	**0.0075**	**0.155**	**0.155**	2.12	2.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3950	4100	**0.100**	0.302	0.0512	0.0378	0.351	0.329	109	54.5	**0.0155**	**0.050**	712	781
01/25/08	6.94	5.20	**0.0075**	**0.0075**	**0.155**	**0.155**	2.18	2.32	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4870	5290	0.255	0.265	**0.0180**	**0.0170**	0.187	0.202	74.7	35.8	**0.0155**	**0.0155**	839	915
02/20/08	5.79	4.48	**0.0075**	**0.0075**	**0.155**	**0.155**	2.14	2.13	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5220	5030	**0.100**	0.235	**0.0100**		0.169		67.1	27.6	**0.0155**	**0.0155**	875	834
03/17/08	6.34	4.34	**0.0075**	**0.0224**	**0.155**	**0.155**	2.75		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5860	6540	**0.184**	0.334	**0.0192**	0.0206	0.221		70.4	39.7	**0.0320**	**0.0155**	1060	1210
03/25/08																														
04/18/08	4.54	4.52	**0.0075**	**0.0075**	**0.155**	**0.155**	2.56		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5610	6400	0.371	0.396	**0.0157**	**0.0177**	0.292	0.305	65.9	40.7	**0.0155**	**0.050**	1060	1200
05/19/08	55.5	34.9	**0.0075**	**0.0075**	**0.155**	**0.155**	3.08	2.31	**0.0125**	**0.0125**	**0.0341**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2460	2180	0.227	**0.100**	0.0623	0.0342	0.560	0.665	304	142	**0.050**	**0.0155**	488	426
06/14/08	45.2	29.9	**0.0075**	**0.0075**	**0.155**	**0.155**	1.67	1.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2290	2200	0.260	0.334	0.0301	0.0269	0.275		131	75.0	**0.050**	**0.050**	409	400
07/18/08	27.2	16.0	**0.0075**	**0.0075**	**0.155**	**0.155**	1.54		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2780	2980	**0.050**	**0.100**	0.0290	0.0277	0.187	0.282	115	51.2	**0.0155**	**0.0155**	461	515
08/19/08	10.3	8.72	**0.0075**	**0.0158**	**0.155**	**0.155**	1.72		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4140	4470	**0.180**	**0.050**	0.0200	**0.0188**	0.182	0.269	91.1	58.3	**0.0155**	**0.0155**	711	762
09/19/08	67.8	52.2	**0.0075**	**0.0075**	**0.155**	**0.155**	2.06	1.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2190	2210	0.285	**0.100**	0.0601	0.0461	0.383		208	96.5	**0.0155**	**0.0155**	368	382
10/19/08	17.9	11.7	**0.0075**	**0.0075**	**0.155**	**0.155**	1.89	1.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3630	3610	0.200	0.215	0.0375	0.0340	0.254	0.327	96.1	46.0	**0.0155**	**0.0155**	650	667
11/20/08	10.1	6.14	**0.0075**	**0.0075**	**0.155**	**0.155**	2.00	2.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4320	4930	0.207	0.236	0.0278	0.0233	0.195	0.260	104	36.5	**0.0155**	**0.0155**	798	944
12/08/08	13.2	9.41	**0.0075**	**0.0075**	**0.155**	**0.155**	1.84		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3700	4140	0.232	0.239	0.0296	0.0253	0.228		118	42.2	**0.0155**	**0.0155**	714	826
Mean	36.3	18.3	0.1059	0.023	0.152	0.149	2.49	2.26	0.011	0.0112	0.1302	0.129	1.58	1.59	0.01099	0.0115	3860	4080	0.223	0.235	0.0762	0.0822	0.372	0.314	150	71.8	0.163	0.0630	734	775
Median	19.6	12.5	0.0075	0.0137	0.155	0.155	2.08	2.11	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0078	3700	3910	0.209	0.222	0.0367	0.0309	0.284	0.284	115	53.9	0.05	0.0500	650	672
St. Deviation	52	15.3	0.6005	0.0314	0.036	0.026	2.01	1.73	0.0037	0.0056	0.2768	0.2772	1.04	0.87	0.00518	0.0073	1880	2160	0.194	0.16	0.2622	0.2965	0.306	0.139	98	47.6	0.593	0.081	544	586
# of values	49	49	49	48	49	48	49	39	49	49	49	49	49	49	49	49	49	48	49	44	49	38	49	35	49	48	49	40	49	47
Minimum	4.54	3.82	0.00405	0.00155	0.0988	0.092	0.932	0.757	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	1740	1690	0.031	0.03565	0.0100	0.0155	0.163	0.100	32.1	9.88	0.0110	0.0110	368	348
Maximum	353	57.6	4.22	0.166	0.313	0.295	12.5	12.4	0.0288	0.0442	0.750	0.750	5.90	5	0.0250	0.0500	14000	15600	1.09	0.703	1.87	1.86	2.12	0.698	532	255	4.12	0.314	4170	4360
% of values undetected	6%	10%	73%	63%	86%	88%	0%	0%	90%	92%	88%	90%	84%	84%	92%	94%	0%	0%	31%	32%	12%	3%	2%	9%	0%	0%	71%	80%	0%	0%
# of values between MDL and PQL	0	0	3	12	2	1	0	0	2	1	1	2	3	3	1	0	0	0	4	3	4	4	0	0	0	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.038	0.039	NA	NA	9.800847	8.428728	NA	NA	0.966	0.927	1000	1000	0.108	0.128	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	14%	13%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK119A																										
Sample Date																										
04/30/04	10.3	6.88	0.0022		**0.155**	**0.155**	**0.146**	**0.185**	350	374	**0.155**	**0.155**	3010	**0.0031**	**0.0031**	1490	1490	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.318**	**0.125**	1.59	2.36
05/21/04	5.92	3.54	0.0026		**0.155**	**0.155**	**0.100**	**0.100**	132	135	**0.155**	**0.155**	3140	**0.0031**	**0.0031**	1230	1260	**0.0125**	**0.0125**	**0.155**	**0.155**	0.468	0.526	**0.75**	**0.235**
05/21/04	5.92	3.54	0.0026		**0.155**	**0.155**	**0.100**	**0.100**	132	135	**0.155**	**0.155**	3140	**0.0031**	**0.0031**	1230	1260	**0.0125**	**0.0125**	**0.155**	**0.155**	0.468	0.526	**0.75**	**0.235**
06/15/04	5.23		**0.0005**		**0.155**	**0.155**	**0.100**	0.255	114	111	**0.155**	**0.155**	4230	**0.0031**	**0.0031**	1680	1600	**0.0125**	**0.0125**	**0.155**	**0.155**	0.467	**0.266**	2.13	2.08
07/15/04	3.47	3.28	**0.0005**		**0.155**	**0.155**	**0.100**	0.325	164	146	**0.155**	**0.155**	5760	**0.0031**	**0.0031**	2050	2020	**0.0125**	**0.0125**	**0.155**	**0.155**	0.619	0.473	**0.75**	**0.75**
08/16/04																										
08/24/04	2.48	2.44	**0.0005**		**0.155**	**0.155**	**0.110**		172	183	**0.155**	**0.155**	6510	**0.0031**	**0.0031**	2110	2180	**0.0125**	**0.0125**	**0.155**	**0.155**	0.417	0.411	**0.75**	**0.75**
09/15/04	3.42	3.09	**0.0005**		**0.155**	**0.487**	**0.100**		179	198	**0.155**	**0.155**	6850	**0.0031**	**0.0031**	2330	2350	**0.0125**	**0.0477**	**0.155**	**0.155**	0.415	**0.380**	**0.75**	**0.75**
10/17/04	7.29	**0.744**	0.0014		**0.155**	**0.155**	**0.136**	0.228	115		**0.155**	**0.155**	5410	**0.0031**	**0.0031**	1600		**0.0125**	**0.0125**	**0.155**	**0.155**	**0.287**		3.43	1.94
01/25/05																										
01/26/05	3.47	2.85	**0.0005**		0.205		0.154	0.182	206	196	**0.0775**	**0.0775**	6900	**0.0031**	**0.0031**	2610	2380	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.648**	
03/20/05	2.93		**0.000147**		**0.050**		**0.0149**	**0.045**	240	239	**0.0143**	**0.0327**	7540	**0.001435**	**0.0050**	2460	2700	**0.002125**	**0.002125**	**0.0302**	**0.100**	0.367	0.366	1.41	
05/03/05	16.4	8.50	**0.000669**		**0.0169**	**0.050**	0.100		159	172	**0.0289**	**0.0143**	3430	**0.0050**	**0.001435**	1180	1200	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.437	0.203	**0.733**	
06/04/05			**0.000450**																							
06/05/05	4.42	3.23			0.135	0.157	0.141		122	122	**0.0775**	**0.0775**	3770	**0.0031**	**0.0031**	1610	1580	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200**	**0.200**	**0.2325**	**0.75**
07/11/05	7.31	5.82	**0.000450**		0.168	0.173	0.151	0.244	132	144	**0.0775**	**0.0775**	4820	**0.0031**	**0.0031**	2150	2230	**0.0031**	**0.0031**	**0.031**	**0.031**	0.598	0.578	2.11	2.26
08/16/05	5.83	3.46	**0.0025**		0.198	0.229	0.261		185	204	**0.0775**	**0.0775**	6050	**0.0031**	**0.0031**	2560	2610	**0.0031**	**0.0031**	**0.031**	0.216	0.631	0.742	2.81	2.53
09/13/05	8.56	7.24	**0.0025**		0.185	0.049	0.199		152	175	**0.0775**	**0.0775**	4820	0.0674	**0.0031**	1350	1650	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.325**	**0.100**	3.61	2.91
10/28/05	10.2	9.41	**0.000450**		0.126		0.217		160	171	**0.0775**	**0.197**	6810	**0.0100**	**0.0031**	2210	2280	**0.0031**	**0.0031**	**0.031**	**0.031**	0.607	**0.299**	**1.48**	**0.867**
01/19/06	7.04	5.85	**0.00114**		0.264	0.296	0.243		245	289	**0.155**	**0.155**	9080	**0.0031**	**0.0031**	2680	3230	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.372**	**0.110**	1.43	
02/09/06	105	104	**0.000475**		0.118	0.134	3.64	4.18	1100	1150	**0.155**	**0.155**	4600	**0.0031**	**0.0031**	4510	4620	**0.0025**	**0.0050**	**0.0155**	**0.0155**	**0.110**	**0.110**	14.3	6.65
03/13/06	5.22	2.27	**0.000475**		0.197		0.222		287	288	**0.155**	**0.155**	4540	**0.0031**	**0.0031**	3260	3100	**0.0025**	0.0124	**0.0155**	**0.0155**	**0.110**	**0.110**	3.22	2.23
04/01/06																										
05/20/06	16.7	11.6	**0.00250**		**0.0386**	**0.0416**	**0.100**		420	413	**0.155**	**0.155**	2000	**0.0031**	**0.0031**	1530	1470	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.681	**0.328**	1.35	
06/15/06	8.35	6.54	**0.00250**		0.161	0.153	**0.134**		189	208	**0.155**	**0.155**	1750	**0.0031**	**0.0031**	1780	1850	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.250**	**0.250**	2.08	1.37
07/23/06	8.77	8.01	**0.000475**		0.236	0.225	**0.100**		172	185	**0.155**	**0.155**	5940	**0.0031**	**0.0031**	2250	2320	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.96	
08/16/06	9.49	6.94	**0.00250**		0.0694	0.0774	**0.100**		94.8	96.3	**0.155**	**0.155**	4400	**0.0031**	**0.0031**	1550	1560	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.83	2.00
09/15/06	8.82	6.39	**0.00250**		0.0790	0.0750	**0.122**		152	158	**0.155**	**0.155**	4280	**0.0031**	**0.0031**	1600	1670	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.05	
11/03/06	8.77	7.56	**0.000475**		0.169	0.167	**0.100**	**0.100**	157	168	**0.155**	**0.155**	5980	**0.0031**	**0.0031**	1970	2120	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.722**	**0.866**	**0.50**	
12/13/06	3.32	1.98	**0.000475**		0.216	0.244	0.211	**0.198**	183		**0.155**	**0.155**	7020	**0.0031**	**0.0031**	2300	2710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
02/17/07	3.95	2.75	**0.000169**		0.214		**0.100**	0.261	247		**0.155**	**0.155**	7590	**0.0031**	**0.0031**	2500	2750	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.410**	**0.155**	1.58	
03/17/07	2.43		**0.000169**		0.240	0.259	0.927	**0.100**	206		**0.155**	**0.155**	8260	**0.0031**	**0.0031**	2400	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.155**	3.06	1.45
03/30/07																										
04/22/07	9.77	11.6	**0.00136**		0.178	0.184	0.227		525	546	**0.155**	**0.155**	5130	**0.0031**	**0.0031**	2120	2450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.44	
05/13/07	9.59	10.9	**0.000993**		0.0710	0.0798	**0.100**		327	334	**0.155**	**0.155**	2790	**0.0031**	**0.0031**	1220	1280	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.33	
06/18/07	7.40	4.27	**0.000169**		0.171	0.176	**0.100**	**0.100**	139	158	**0.155**	**0.155**	4250	**0.0031**	**0.0031**	1760	1750	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.398**	**0.155**	**0.50**	**0.50**
07/13/07	13.8	6.22	**0.000765**		0.180		**0.100**	0.243	125	128	**0.155**	**0.155**	4690	**0.0031**	**0.0031**	1970	1780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.452**	**0.155**	**0.50**	1.02
08/16/07	10.3	4.11	**0.000169**		0.202	0.210	0.223	0.253	131	145	**0.155**	**0.155**	5390	**0.0031**	**0.0031**	1970	2090	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.450**	**0.155**	1.83	
09/17/07	10.6	6.40	**0.000169**		0.157	0.176	**0.100**	**0.100**	158	179	**0.155**	**0.155**	5640	**0.0031**	**0.0031**	1980	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.381**	**0.155**	2.30	1.32
10/14/07	6.60	5.15	**0.000540**		0.189	0.203	**0.100**	**0.100**	127	157	**0.155**	**0.155**	5990	**0.0031**	**0.0031**	1800	1900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.311**	**0.50**	
11/10/07	6.13	4.50	**0.00250**		0.164	0.181	**0.100**	0.264	159	193	**0.155**	**0.155**	5900	**0.0031**	**0.0031**	1940	2010	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.08	**0.50**
12/09/07	5.75	4.00	**0.000710**		0.178	0.192	**0.100**	0.284	165	190	**0.155**	**0.155**	6700	**0.0031**	**0.0031**	2180	2250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.316**	**0.155**	**0.50**	1.41
01/25/08	2.84	2.07	**0.00075**		0.220	0.236	**0.100**	**0.100**	199	212	**0.155**	**0.155**	7370	**0.0031**	**0.0031**	2330	2520	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.321**	**0.155**	**0.50**	**0.50**
02/20/08	2.02	2.30	**0.00075**		0.229	0.225	**0.100**		221	216	**0.155**	**0.155**	7120	**0.0031**	**0.0031**	2480	2390	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
03/17/08	2.59	1.89	**0.00075**		0.246	0.264	**0.100**	0.293	226		**0.155**	**0.155**	8040	**0.0031**	**0.0031**	2700	2870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.33	1.93
03/25/08																										
04/18/08	2.25	1.49	**0.00075**		0.150	0.173	0.209	0.356	231		**0.155**	**0.155**	8000	**0.0031**	**0.0031**	2680	2900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.01	1.91
05/19/08	14.5	6.50	**0.0025**		0.0536	0.0565	**0.100**	0.319	253	213	**0.155**	**0.155**	2800	**0.0031**	**0.0031**	1390	1250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.314**	**0.155**	4.05	2.22
06/14/08	5.45	3.65	**0.00075**		0.105	0.107	**0.100**		131	148	**0.155**	**0.155**	3950	**0.0031**	**0.0031**	1500	1470	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.354**	**0.155**	1.35	2.19
07/18/08	5.21	3.80	**0.00181**		0.134	0.146	**0.100**	0.276	80.6	109	**0.155**	**0.155**	4250	**0.0031**	**0.0031**	1520	1540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.366**	**0.155**	**0.50**	1.16
08/19/08	3.95	3.06	**0.00075**		0.243	0.256	**0.100**	**0.100**	139	168	**0.155**	**0.155**	5700	**0.0031**	**0.0031**	2230	2300	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.376**	1.04	
09/19/08	9.21	5.51	**0.00075**		0.0783	0.0792	**0.100**	**0.100**	114	120	**0.155**	**0.155**	3740	**0.0031**	**0.0031**	1340	1370	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.31
10/19/08	8.89	7.70	**0.00075**		0.171	0.175	**0.100**	0.231	146	153	**0.155**	**0.155**	6050	**0.0031**	**0.0080**	2020	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/20/08	5.49	3.30	**0.00075**		0.146	0.185	**0.100**	0.273	180	213	**0.155**	**0.155**	7970	**0.0031**	**0.0031**	2320	2700	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.417**	**0.345**	**0.50**	1.27
12/08/08	7.03	5.57	**0.00250**		0.136	0.147	**0.130**	0.265	170	201	**0.155**	**0.155**	6780	**0.0031**	**0.0031**	2030	2270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
Mean	8.99	7.22	0.00109	NA	0.158	0.171	0.220	0.328	206	220	0.14	0.143	5430	0.0046	0.0032	2030	2120	0.0056	0.0066	0.06	0.066	0.334	0.254	1.67	1.59
Median	6.6	4.39	0.00075	NA	0.157	0.167	0.100	0.231	165	179	0.155	0.155	5640	0.0031	0.0031	2020	2105	0.0050	0.0050	0.050	0.050	0.321	0.155	1.08	1.37
St. Deviation	14.5	14.8	0.00087	NA	0.057	0.079	0.510	0.72	154	169	0.036	0.035	1760	0.0092	0.0008	600	650	0.0032	0.0068	0.044	0.049	0.165	0.168	2.09	1.19
# of values	49	46	49	0	49	43	49	31	49	43	49	49	49	49	49	49	48	49	49	49	49	49	48	49	48	31
Minimum	2.02	0.744	0.000147	NA	0.0169	0.0416	0.0149	0.045	80.6	96.3	0.0143	0.0143	1750	0.001435	0.001435	1180	1200	0.002125	0.002125	0.0155	0.0155	0.100	0.100	0.2325	0.24
Maximum	105	104	0.00260	NA	0.264	0.487	3.64	4.18	1100	1150	0.155	0.197	9080	0.0674	0.0080	4510	4620	0.0125	0.0477	0.155	0.216	0.722	0.866	14.3	6.65
% of values undetected	0%	0%	73%		14%	12%	53%	29%	0%	0%	92%	90%	0%	92%	92%	0%	0%	94%	90%	94%	92%	43%	65%	35%	23%
# of values between MDL and PQL	0	1	9		1	2	5	1	0	0	1	2	0	0	1	0	0	0	1	0	0	15	8	3	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	5.52	5.51	NA	NA	5	4.6	NA	0.042227	0.036	NA	NA	NA	NA	NA	NA	NA	NA	12.64	12.46
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
% of DWS exceedences	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV		mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NK119B																											
Sample Date																											
04/30/04	6.67	0.37	11.65		0.032	76	18.1	9.26	31.0	32.5	1.74	**1.57**	**9.0**	**0.0490**			**0.0155**		1.06	**0.050**	2.87	**0.00125**	**0.00390**	**0.065**			**0.0155**
06/15/04	6.77	8.74	10.36		0.035	-9	1	9.83	35.0	33.8	1.03	**1.57**	10.0				**0.0155**		0.638	**0.0580**	4.71	**0.0047**	**0.00125**	**0.065**			**0.0155**
07/14/04	7.14	16.07	9.13	93.8	0.044	275	0.1	12.0	41	41.3	**0.075**	**1.57**	23.0	3.94			**0.0652**		0.656	**0.047**	5.26	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/24/04	7.44	12.22	12.54	118.3	0.046	174	0.6	12.2	39	30.0	0.5	**1.57**	**0.155**				**0.0155**		0.760	**0.079**	4.50	**0.00125**	**0.00125**	**0.065**			**0.0155**
09/15/04	7.64	5.88	11.88	95.9	0.047	204	0.1	12.9	38	37.5	**0.4**	**1.57**	18.25	**1.00**			**0.0155**		0.717	0.133	1.51	**0.0025**	**0.0027**	**0.24**			**0.0155**
10/18/04	6.02	1.80	11.94		0.031			9.12	33	**5.0**	**0.075**	**1.57**	**9.00**	**0.61**			**0.0155**		1.04	**0.0155**	4.53	**0.0030**	**0.00125**	**0.43**			**0.0155**
01/25/05	6.06	0.69	13.65		0.041	99	4.2	12.8	36	32.5	**0.075**	**2.50**	12.5	0.50			0.0379		0.674	**0.0155**	1.71	**0.00125**	**0.00125**	**0.20**			**0.0155**
03/17/05	7.22	1.00	13.69	97.7	0.024	3.4	1.9	31.8	41	27.5	0.6	**3.25**	20.0	**0.08**			0.0471		0.708	**0.032**	2.22	**0.00125**	**0.00125**	**0.16**			**0.060**
05/09/05	5.69	2.89	8.66	64.5	0.021	177.5	1.14	7.07	18.5	33.7	1.2	**4.00**	**5.00**	0.19			0.0360		0.623	**0.0155**	9.56	**0.00125**	**0.00125**	**0.76**			**0.049**
06/04/05	7.19	6.60	11.41	93.8	0.033	16	4.4	8.00	27.5	27.5	2.5	**1.75**	**7.00**	**0.05**			0.0223		0.495	**0.0155**	3.62	**0.00125**	**0.00125**	**0.29**			**0.0155**
07/09/05	7.06	17.5	6.38	66.6	0.039	-106.1	0.24	13.0	38	36.3	**0.408**	**0.785**	12.0	0.922			0.0325		0.554	**0.0155**	4.46	**0.0025**	**0.0025**	**0.40**			**0.044**
08/19/05	5.50	11.43	10.05	92.0	0.039	22.8		14.1	38.5	40.0	**0.075**	**2.38**	11.0	0.39			**0.0130**		0.754	**0.0155**	4.12	**0.00125**	**0.00125**	**0.45**			**0.0155**
09/13/05	5.86	6.89	11.77	96.8	0.025	164.5	0.66	8.39	26.5	32.5	**0.202**	**2.38**	**6.50**	**0.0155**			**0.0071**		0.795	**0.0155**	2.78	**0.00125**	**0.00125**	**0.41**			**0.034**
10/28/05	5.18	0.03	12.43	85.0	0.035	248.1	0.33	12.7	35	32.5	**0.076**	**2.13**	10.5	0.282			**0.0057**		0.737	**0.0155**	4.93	**0.00125**	**0.00125**	**0.49**			0.172
04/22/07	7.72	0.04	8.33	56.9	0.031	143.6	1.32	11.4	29.0	25.0	**0.1875**	**1.57**	**12.0**	**0.0500**	**0.0155**	**0.0345**	**0.0050**	**0.050**	0.821	**0.0340**	2.96	**0.00075**	**0.00075**	**0.155**			**0.0155**
05/12/07	5.74	3.98	11.42	87.1	0.020	220.2	0.59	15.1	35.0	11.3	1.50	**1.57**	15.0	0.101			0.0146		0.701	**0.0360**	1.59	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/18/07	7.25	10.85	11.70	105.8	0.029	188.8	0.22	9.57	29.0	31.3	**0.150**	**1.57**	10.0	**0.0450**			**0.0050**		0.558	**0.0600**	3.55	**0.00075**	**0.00075**	**0.155**		1.22	**0.0155**
09/18/07	6.52	7.31	9.30	77.3	0.031	159.9	1.49	11.9	31.0	40.0	**0.400**	**1.57**	10.5	**0.050**			0.0346		0.575	**0.0155**	2.90	**0.00075**	**0.00075**	**0.155**		1.54	**0.0155**
10/15/07	5.51	0.59	13.77	95.9	0.032	288.9	0.14	11.3	31.0	35.0	**0.079**	**1.57**	**9.18**	**0.050**			**0.0050**		0.607	**0.0155**	3.97	**0.0030**	**0.00075**	**0.155**		0.769	**0.0155**
11/10/07	6.49	0.04	10.34	70.9	0.033	244.3	0.14	11.5	32.0	21.3	**0.300**	**1.57**	**9.34**	**0.0400**			**0.0050**		0.634	**0.0155**	4.13	**0.0016**	**0.00075**	**0.155**		1.13	**0.0155**
12/09/07	7.36	-0.05	11.33	77.3	0.033	181.8	0.32	11.7	32.2	36.3	**0.1565**	**1.57**	**9.66**	**0.042**			**0.0072**		0.613	**0.031**	3.77	**0.00075**	**0.00075**	**0.155**		0.957	**0.0155**
06/14/08	7.23	6.17	8.62	69.7	0.021	117.5																					
Mean	6.6	5.5	10.93	85.9	0.033	137.6	1.90	12.2	33.2	30.6	0.559	1.89	11.6	0.428	0.0155	0.0345	0.0200	0.050	0.701	0.0348	3.79	0.0016	0.00134	0.246	NA	1.12	0.0289
Median	6.72	4.90	11.415	89.6	0.0325	164.5	0.6	11.7	33	32.5	0.300	1.57	10.5	0.0905	0.0155	0.0345	0.0155	0.050	0.674	0.0155	3.77	0.00125	0.00125	0.155	NA	1.13	0.0155
St. Deviation	0.78	5.4	1.92	16.0	0.008	104.4	4.1	4.9	5.4	9	0.664	0.7	4.4	0.878	NA	NA	0.0163	NA	0.143	0.0294	1.73	0.0010	0.00078	0.180	NA	0.29	0.0353
# of values	22	22	22	18	22	21	19	21	21	21	21	21	21	20	1	1	21	1	21	21	21	21	21	21	0	5	21
Minimum	5.18	-0.05	6.38	56.9	0.02	-106.1	0.1	7.07	18.5	5.0	0.075	0.785	5.00	0.0155	0.0155	0.0345	0.0050	0.050	0.495	0.0155	1.51	0.00075	0.00075	0.065	NA	0.769	0.0155
Maximum	7.72	17.5	13.77	118.3	0.047	288.9	18.1	31.8	41	41.3	2.5	4.00	23.0	3.94	0.0155	0.0345	0.0652	0.050	1.06	0.1330	9.56	0.0047	0.0039	0.76	NA	1.54	0.172
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	48%	67%	5%	25%	100%	0%	43%	100%	0%	57%	0%	76%	95%	52%		0%	76%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	4	7	8	7	0	1	5	0	0	8	0	5	1	10		0	4
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	7.04
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	41%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK119B																														
Sample Date																														
04/30/04	69.6	31.1	0.453	**0.100**	**0.125**	**0.125**	3.01	2.82	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2740	2950	**0.189**	0.228	**0.0716**		1.06	0.711	232	133	**0.100**	**0.100**	585	578
06/15/04	28.1	**12.5**	**0.0385**	**0.103**	**0.125**	**0.125**	2.44	2.14	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**7.61**	**0.0155**	**0.0155**	2920	2920	**0.050**	0.300	**0.0155**		0.388	0.311	71.5	54.3	**0.050**	**0.050**	620	629
07/14/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.01	3.53	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3650	3560	**0.100**	**0.050**	**0.0155**		0.402	0.385	34.9	29.4	**0.050**	**0.050**	694	690
08/24/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.53	3.56	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3750	3640	0.287	**0.133**	**0.0155**		0.387	0.386	26.4	**10.0**	**0.050**	**0.050**	693	705
09/15/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.91	1.71	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3940	3500	**0.050**	**0.050**	**0.0155**		0.245	0.318	67.1	38.5	**0.050**	**0.050**	753	725
10/18/04	27.5	25.3	**0.0385**	**0.0385**	**0.125**	**0.125**	2.83	2.82	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2710	2800	**0.100**	**0.100**	**0.0155**		0.393	0.318	48.2	28.7	**0.050**	**0.050**	570	597
01/25/05	9.60	6.92	0.0136	0.0160	**0.125**	**0.125**	2.22	2.17	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.30**	**1.55**	**0.00775**	**0.00775**	3820	3800	0.263	0.386	0.0156	0.0154	0.249	0.280	49.1	25.1	**0.0155**	**0.0155**	800	797
03/17/05	3.58		0.0361	**0.0150**	0.316	0.128	4.25	2.52	**0.00552**	**0.001495**	0.0253	**0.010**	2.48	1.28	**0.0107**	**0.003095**	8660	4970	**0.129**	**0.107**	0.0363	**0.0196**	0.214		70.8	43.9	**0.035**	0.203	2460	909
05/09/05	86.5	45.4	**0.00917**	**0.0100**	0.141	0.0809	2.76	2.94	**0.0050**	**0.00332**	**0.003835**	**0.003835**	5.25	3.13	**0.00677**	**0.003095**	2180	2020	**0.0939**	**0.03565**	0.0730	0.0460	0.568	0.461	188	90.8	**0.035**		395	389
06/04/05	33.1	16.0	0.0112	0.0198	**0.125**	**0.125**	2.57	2.93	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	2410	2530	**0.031**	0.232	0.0256	0.0194	0.311	0.342	68.5	40.1	**0.050**		479	536
07/09/05	16.9	12.4	0.0104	**0.0050**	**0.125**	**0.125**	3.87	3.75	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	3860	3870	0.397	0.259	**0.00155**	**0.00155**	0.508	0.491	59.2	22.8	**0.050**	0.100	824	829
08/19/05	18.6	19.7	0.0382	**0.00155**	**0.125**	0.500	4.40	4.41	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	4070	4190	0.351		0.027	0.0320	0.546	0.601	101	54.8	**0.0155**		958	872
09/13/05	62.2		0.0840	0.0102	**0.125**	**0.125**	3.13	3.38	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**3.50**	**1.55**	**0.00775**	**0.00775**	2480	2540	0.830	0.632	0.0618	0.0662	0.655	0.586	115		0.294	**0.0155**	536	555
10/28/05	16.7	12.4	0.0242		**0.125**	**0.125**	3.48	3.51	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	3750	3650	0.329	0.345	0.0258	0.0348	0.356	0.352	51.3	30.1	**0.045**	**0.0155**	806	773
04/22/07	24.8	23.6	**0.0202**	**0.0228**	**0.155**	**0.155**	3.42	3.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3410	3510	0.268	0.373	**0.0100**		0.388		58.0	46.6	**0.0155**	**0.0426**	698	746
05/12/07	61.7	16.1	**0.0158**	**0.0224**	**0.155**	**0.155**	3.98	3.05	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4190	3950	0.318	0.411	0.0600	0.0604	0.398		314	159	**0.050**	**0.050**	1120	1060
06/18/07	15.1	12.0	**0.0250**	**0.0250**	**0.155**	**0.155**	2.69	2.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2830	2870	**0.100**	**0.100**	**0.0140**	**0.0100**	0.381	0.359	37.5	28.8	**0.0155**	**0.050**	607	650
09/18/07	20.2	16.0	**0.0075**	**0.0216**	**0.155**	**0.155**	3.55	3.81	**0.0125**	**0.0125**	**0.0075**		**1.25**	**1.25**	**0.0075**	**0.0075**	3600	3740	0.301	0.360	0.0232	0.0240	0.527		61.2	43.2	**0.0155**	**0.050**	707	731
10/15/07	13.8	11.0	**0.0075**	**0.0168**	**0.155**	**0.155**	3.12	3.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3430	3630	0.244	0.216	**0.0180**	**0.0180**	0.314	0.351	32.0	22.9	**0.0155**	**0.0155**	675	717
11/10/07	12.0	10.9	**0.0168**	**0.0240**	**0.155**	**0.155**	3.01		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3460	3970	0.208	**0.100**	**0.0176**	**0.0196**	0.306		37.0	22.7	**0.0155**	**0.0155**	702	791
12/09/07	12.8	10.7	**0.0075**	**0.0220**	**0.155**	**0.155**	3.16		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3520	4010	**0.100**	0.312	0.0372	0.0242	0.320	0.375	36.2	29.3	**0.050**	**0.050**	711	817
06/14/08																														
Mean	27.2	16.8	0.0463	0.0295	0.145	0.151	3.21	3.1	0.0090	0.0087	0.219	0.228	2.39	1.97	0.00997	0.0094	3590	3460	0.226	0.236	0.0284	0.0279	0.425	0.414	83.8	47.7	0.051	0.054	781	719
Median	16.9	12.5	0.0242	0.0222	0.125	0.125	3.13	3.05	0.0075	0.0075	0.0075	0.008	1.55	1.55	0.00775	0.00775	3520	3630	0.208	0.23	0.0180	0.0218	0.388	0.367	59.2	34.3	0.050	0.050	698	725
St. Deviation	22.8	9.1	0.0949	0.0269	0.042	0.082	0.67	0.67	0.0027	0.0032	0.344	0.35	1.54	1.55	0.00365	0.0041	1300	680	0.178	0.155	0.0208	0.0184	0.184	0.123	73.6	37.9	0.06	0.045	416	147
# of values	21	19	21	20	21	21	21	19	21	21	21	20	21	21	21	21	21	21	21	20	21	14	21	16	21	20	21	18	21	21
Minimum	3.58	6.92	0.0075	0.00155	0.125	0.0809	1.91	1.71	0.0050	0.001495	0.00155	0.00155	1.25	1.25	0.00677	0.003095	2180	2020	0.031	0.03565	0.00155	0.00155	0.214	0.280	26.4	10.0	0.0155	0.0155	395	389
Maximum	86.5	45.4	0.453	0.103	0.316	0.500	4.40	4.41	0.0125	0.0125	0.750	0.75	5.25	7.61	0.0155	0.0155	8660	4970	0.830	0.632	0.0730	0.0662	1.06	0.711	314	159	0.294	0.203	2460	1060
% of values undetected	14%	26%	48%	45%	90%	86%	0%	0%	90%	95%	95%	100%	81%	86%	90%	100%	0%	0%	33%	35%	33%	14%	0%	6%	0%	5%	90%	83%	0%	0%
# of values between MDL and PQL	0	0	4	8	0	0	0	0	2	1	0	0	2	1	2	0	0	0	2	2	4	3	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.042	0.042	NA	NA	10.89019	9.365566	NA	NA	1.078	1.035	1000	1000	0.128	0.148	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	6%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NK119B																									
Sample Date																									
04/30/04	12.8	9.96	0.0020		**0.155**	**0.155**	0.319	0.242	334	341	**0.155**	**0.155**	3820	**0.0031**	**0.0031**	1650	1710	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.33	
06/15/04	2.12		**0.0005**		**0.155**	**0.155**	0.217	0.348	224	224	**0.155**	**0.155**	4250	**0.0031**	**0.0031**	1940	2000	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.271**	**0.283**	2.35	1.68
07/14/04	**0.958**	1.45			**0.155**	**0.155**	**0.100**		324	308	**0.155**	**0.155**	5050	**0.0031**	**0.0031**	2510	2480	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.314**	**0.125**	**0.75**	**0.75**
08/24/04	**0.500**	1.01	0.0010		**0.155**	**0.155**	**0.120**	0.307	320	313	**0.155**	**0.155**	5580	**0.0031**	**0.0031**	2070	2100	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.75**	**0.75**
09/15/04	1.07	1.25	0.0010		**0.155**	**0.155**	**0.100**	0.320	215	199	**0.155**	**0.155**	6510	**0.0031**	**0.0031**	2170	2230	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.355**	0.403	1.51	1.54
10/18/04	1.65	2.17	0.0012		**0.155**	**0.155**	**0.141**		196	207	**0.155**	**0.155**	5420	**0.0031**	**0.0031**	1740	1840	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.63	**0.75**
01/25/05	1.37	0.789	**0.0005**		0.182	0.184	0.132	0.148	206	209	**0.0775**	**0.0775**	6500	**0.0031**	**0.0031**	2370	2350	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.212**	**0.241**	**0.762**	2.10
03/17/05	10.6	2.00	**0.000147**		0.151		0.182		654	236	0.116	**0.0507**	6920	**0.001435**	**0.0050**	3030	2680	0.0193	0.0117	**0.0302**	**0.0302**	0.218		1.37	1.89
05/09/05	15.8	10.0	**0.0025**		**0.0169**	**0.0667**	0.121		217	216	**0.0487**	**0.0487**	3090	**0.001435**	**0.001435**	1250	989	**0.002125**	**0.002125**	**0.0302**	**0.0675**	0.232	0.108	**0.784**	
06/04/05	3.13	1.74	**0.000450**		0.073		0.163		191	224	**0.0775**	**0.0775**	4120	**0.0031**	**0.0031**	1750	1930	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	1.58	2.12
07/09/05	1.35	0.76	**0.0025**		0.126	0.0834	0.225		338	338	**0.257**	**0.0775**	4980	**0.0031**	**0.0031**	2500	2480	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	2.85	
08/19/05	1.55	1.33	**0.000450**		0.115	**0.0031**	0.270		449	455	**0.0775**	**0.0775**	5650	**0.0031**	**0.0031**	2750	2580	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.218**	**0.100**	**0.75**	1.62
09/13/05	2.57		**0.0025**		0.0812	0.0254	0.648	0.239	256	255	**0.0775**	**0.0775**	5080	**0.0031**	**0.0031**	1780	1800	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	3.09	2.75
10/28/05	1.85	1.26	**0.000450**		0.0644		0.199	0.262	252	240	**0.0775**	**0.269**	6450	**0.0100**	**0.0031**	2340	2300	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**1.39**	1.86
04/22/07	2.79		**0.000690**		0.0836	0.0846	**0.100**		380	401	**0.155**	**0.155**	4650	**0.0031**	**0.0031**	1800	1910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.96	
05/12/07	15.2	7.85	**0.000810**		0.164	0.160	0.213		493	470	**0.155**	**0.155**	3770	**0.0031**	**0.0031**	2120	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.78	
06/18/07	0.880	0.512	**0.000169**		0.121	0.133	**0.100**	**0.100**	258	257	**0.155**	**0.155**	3850	**0.0031**	**0.0031**	1850	1830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.64	**0.50**
09/18/07	1.15	0.713	**0.00250**		0.126	0.142	**0.100**	0.211	320	337	**0.155**	**0.155**	5530	**0.0031**	**0.0031**	2260	2200	**0.0174**	**0.0108**	**0.050**	**0.050**	**0.155**	**0.155**	1.13	
10/15/07	1.80	1.44	**0.000169**		0.113	0.121	**0.100**	0.252	221	250	**0.155**	**0.155**	5880	**0.0031**	**0.0031**	2050	2070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/10/07	1.54	1.15	**0.00250**		0.123	0.143	**0.100**	0.330	224	271	**0.155**	**0.155**	5820	**0.0031**	**0.0031**	2080	2130	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	**0.50**
12/09/07	1.13	0.852	**0.000456**		0.115	0.153	**0.100**	0.378	230	272	**0.155**	**0.155**	6150	**0.0031**	**0.0031**	2130	2240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
06/14/08																									
																								#NUM!	
Mean	3.9	2.57	0.00112	NA	0.123	0.124	0.179	0.261	300	287	0.134	0.132	5190	0.0033	0.0031	2100	2090	0.0077	0.0071	0.073	0.074	0.175	0.156	1.42	#NUM!
Median	1.65	1.30	0.00075	NA	0.126	0.148	0.132	0.257	256	257	0.155	0.155	5420	0.0031	0.0031	2080	2100	0.0050	0.0050	0.050	0.050	0.155	0.14	1.39	#NUM!
St. Deviation	4.95	3.14	0.00092	NA	0.041	0.050	0.125	0.082	116	79	0.047	0.052	1070	0.0016	0.0006	400	370	0.0053	0.0042	0.054	0.053	0.071	0.075	0.77	#NUM!
# of values	21	18	20	0	21	18	21	12	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	13
Minimum	0.500	0.512	0.000147	NA	0.0169	0.0031	0.100	0.100	191	199	0.0487	0.0487	3090	0.001435	0.001435	1250	989	0.002125	0.002125	0.0302	0.0302	0.100	0.100	0.50	0.50
Maximum	15.8	10.0	0.0025	NA	0.182	0.184	0.648	0.378	654	470	0.257	0.269	6920	0.0100	0.005	3030	2680	0.0193	0.0125	0.155	0.155	0.355	0.403	3.09	2.75
% of values undetected	5%	0%	65%		33%	39%	43%	17%	0%	0%	86%	86%	0%	100%	100%	0%	0%	90%	90%	100%	95%	67%	80%	33%	46%
# of values between MDL and PQL	1	0	3		0	1	2	0	0	0	2	3	0	0	0	0	0	1	1	0	1	5	2	3	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	6.16	6.14	NA	NA	5	4.6	NA	0.052688	0.045	NA	NA	NA	NA	NA	NA	NA	NA	14.10	13.90
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	#DIV/0!	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Key:

Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

Footnotes:

(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT100A																										
Sample Date																										
05/01/04	7.39	1.13	12.16		0.045	1.0	5.30	18.0	60.0	41.3	4.82	**1.57**	21.0	0.450			**0.0155**	**0.0155**		0.801	**0.050**	1.74	**0.00125**	0.00300	**0.0650**	
05/20/04								21.9	60.0	61.3	1.00	**1.57**	25.0	**0.0910**			**0.0155**	**0.0155**		0.736	**0.0500**	2.37	**0.00125**	**0.00125**	**0.0650**	
05/22/04	7.48	11.04	10.0		0.063	171.0																				
08/26/04	7.73	10.83	13.03		0.083	231.0	2.10	28.4	90.0	51.3	1.49	**1.57**	36.5	**0.155**			**0.0680**	**0.0155**		0.855	**0.0370**	3.19	**0.00125**	**0.00125**	**0.0650**	
09/16/04	7.60	3.56	12.5	95.0	0.084	187.0	2.60	30.4	90.0	60.0	1.90	**1.57**	35.8	**0.590**			**0.0610**	**0.0155**		0.995		3.65	**0.0030**	**0.00125**	**0.200**	
10/15/04	7.28	4.92	12.07	93.7	0.067	139.0		26.4	75.0	51.3	0.632	**1.57**	28.0	**0.500**			**0.0155**	**0.0155**		1.05	**0.0155**	3.08	0.0066	**0.00125**	**0.170**	
01/26/05	7.82	0.56	13.58		0.076	103.0	6.40	28.0	80.0	43.8	0.90	**2.25**	31.5	0.240			**0.0155**	0.0379		0.833	**0.0350**	3.50	**0.00125**	**0.00125**	**0.310**	
03/19/05	7.90	3.50	14.78	110.8	0.044	-33.2	2.30	32.1	75.0	38.7	1.60	**2.25**	34.0	0.310			**0.0155**	0.0564		0.875	**0.0350**	3.56	**0.00125**	**0.00125**	**0.150**	
05/04/05	6.54	5.60	12.48	99.3	0.054	144.7	2.46	20.0	45.5	43.8	6.20	**2.75**	21.5	0.480			**0.0155**	0.0459		0.717	**0.0155**	2.08	**0.00125**	**0.00125**	**0.640**	
06/03/05	7.49	11.8	10.92	101.0	0.064	150.4	0.61	25.9	950.0	56.3	0.70	**1.63**	12.5	0.320			**0.0155**	0.0440		0.657	**0.0310**	3.50	**0.00125**	**0.00125**	**0.280**	
07/11/05	6.57	10.22	8.8	78.4	0.074	-130.1	1.29	34.7	75.0	43.8	2.20	**1.63**	35.8	0.268			**0.0155**	0.0543		0.589	**0.0155**	2.70	**0.0025**	**0.00250**	**0.350**	
10/30/05	7.57	1.47	13.5	95.5	0.069	-163.5	0.61	29.6	70.0	73.8	1.10	**0.785**	31.0	0.249			**0.0155**	**0.013**		0.820	**0.0410**	3.20	**0.00125**	**0.00125**	**0.320**	
03/16/06	6.68	0.00	11.18	76.5	0.061	-141.9	0.45	31.9	70.0	55.0	0.698	**3.75**	34.0	0.355			**0.0155**	**0.008**		0.758	**0.0155**	3.65	**0.00125**	**0.00250**	**0.155**	
06/20/06	7.45	11.22	10.16	92.5	0.062	33.7	0.72	27.2	60.0	42.5	1.00	**0.785**	31.0	0.157	**0.0155**	0.132	**0.0360**	0.0110	**0.05**	0.703	**0.0440**	2.56	0.010	**0.00075**	**0.155**	
07/26/06	7.32	9.26	8.94	77.9	0.073	97.7	0.34																			
07/27/06								33.8	70.0	46.3	**0.638**	**0.785**	35.0	**0.0690**	**0.0155**	**0.0690**	**0.0460**	**0.0090**	**0.05**	0.726	**0.0660**	3.10	**0.00075**		**0.155**	
08/14/06	7.04	8.71	7.25	62.4	0.057	-58.2	1.27	27.4	55.0	53.8	15.4	**1.57**	26.0	0.228	**0.0155**	0.204	**0.0155**	0.0260	**0.05**	0.544	**0.0500**	2.14	**0.00075**	**0.00075**	**0.155**	
09/12/06	6.63	6.53	9.82	80.1	0.066	168.9	0.630	30.0	65.0	52.5	1.02	**1.57**	32.0	**0.0905**	**0.0155**	**0.0890**	**0.0340**	**0.0040**	**0.0155**	0.805	**0.0590**	2.76	**0.00075**	**0.00075**	**0.155**	
11/05/06	6.71	0.030	12.04	82.3	0.063	143.3	0.590	28.7	55.0	32.5	2.00	**1.57**	29.0	0.211	**0.0155**	0.198	**0.0155**	0.0250	**0.0155**	0.740	**0.0155**	2.74	**0.00075**	**0.00075**	**0.155**	
12/14/06	6.81	0.140	11.61	79.8	0.074	115.1	0.260	33.2	60.0	50.0	**0.645**	**1.57**	31.0	0.176	**0.0155**	0.176	**0.0155**	0.0110	**0.05**	0.754	**0.0155**	3.37	**0.0020**	**0.00400**	**0.155**	
02/20/07	6.84	0.080	11.49	79.0	0.080	128.6	0.300	34.8	70.0	43.8	2.20	**1.57**	40.0	0.269	**0.0155**	0.262	**0.0155**	**0.00155**	**0.05**	0.846	**0.0310**	3.80	**0.0028**	**0.00075**	**0.155**	
03/14/07	7.07	0.940	10.6	74.6	0.068	199.4	0.160	24.2	60.0	50.0	**0.075**	**3.50**	30.0	0.195	**0.0155**	0.194	**0.0155**	0.0110		0.825	**0.0155**	3.48	**0.00075**	**0.00075**	**0.155**	
04/24/07	6.48	0.770	10.85	75.8	0.045	186.6	5.46	19.2	45.0	41.3	16.4	**1.57**	17.0	0.335	**0.0685**	0.266	0.501	0.0440		0.740	**0.0380**	1.69	**0.00075**	**0.00075**	**0.610**	
05/14/07	7.42	5.25	12.08	95.2	0.059	155.0	1.81	25.1	55.0	26.3	4.00	**1.57**	27.3	0.181			**0.0155**	0.0152		0.752	**0.0420**	2.39	**0.00075**	**0.00075**	**0.155**	
06/20/07	7.09	10.00	8.26	73.1	0.070	132.5	0.590	30.7	70.0	60.0	1.60	**1.57**	34.0	**0.0500**			**0.0500**	**0.0050**		0.730	**0.0710**	3.28	**0.00075**	**0.00075**	**0.155**	1.19
07/15/07	7.29	8.79	9.26	79.7	0.073	201.1	0.980	32.5	70.0	50.0	2.20	**1.57**	33.7	0.106			**0.0155**	0.0141		0.650	**0.0510**	2.75	**0.00075**	**0.00075**	**0.155**	1.34
Mean	7.18	5.26	11.14	85.1	0.066	90.1	1.69	28.1	103.1	48.7	2.90	1.75	30.0	0.253	0.0214	0.177	0.0441	0.0210	0.04	0.771	0.0365	2.93	0.0019	0.00130	0.210	1.27
Median	7.29	5.09	11.34	80.0	0.067	135.8	0.850	28.6	70.0	50.0	1.50	1.57	31.0	0.234	0.0155	0.194	0.01550	0.0160	0.050	0.753	0.0370	3.09	0.0013	0.00125	0.160	1.27
St. Deviation	0.430	4.37	1.84	11.9	0.011	116.2	1.81	4.80	180.8	10.0	4.20	0.720	7.00	0.144	0.0177	0.0690	0.0986	0.0160	0.02	0.112	0.0173	0.620	0.0021	0.000900	0.150	0.110
# of values	24	24	24	20	24	24	22	24	24	24	24	24	24	24	9	9	24	24	7	24	23	24	24	23	24	2
Minimum	6.48	0.00	7.25	62.4	0.044	-163.5	0.16	18.0	45.0	26.3	0.075	0.785	12.5	0.0500	0.0155	0.069	0.0155	0.00155	0.0155	0.544	0.0155	1.69	0.00075	0.00075	0.065	1.19
Maximum	7.90	11.8	14.78	110.8	0.084	231	6.4	34.8	950.0	73.8	16.4	3.75	40.0	0.5900	0.0685	0.266	0.501	0.0564	0.050	1.05	0.0710	3.80	0.010	0.00400	0.640	1.34
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	71%	0%	13%	89%	0%	75%	29%	100%	0%	39%	0%	79%	91%	63%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	7	0	4	1	2	5	4	0	0	14	0	3	2	9	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.62	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100A																												
Sample Date																												
05/01/04	216	32.1	**0.0385**	**0.100**	0.879	0.618	5.66	3.39	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0155**	5350	5230	0.325	**0.186**	0.121	0.155	0.462	0.374	421.0	136.0	**0.100**	**0.0500**
05/20/04	55.4	**12.5**	**0.100**	0.258	0.760	0.573	3.42	3.41	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0155**	6700	5990	**0.100**	0.219	**0.0689**		1.14	0.309	186.0	54.1	**0.100**	**0.0500**
05/22/04																												
08/26/04	**12.5**	**3.90**	**0.0385**	**0.100**	1.26	1.03	4.76	4.84	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8660	9030	0.235	0.221	**0.0500**		0.320	0.200	84.6	**10.0**	**0.050**	**0.0500**
09/16/04	**12.5**	**12.5**	**0.0385**	**0.0859**	1.23	1.05	4.43	4.07	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9270	9070	0.273	0.323	**0.0500**		0.344	0.214	68.3	**14.5**	**0.050**	**0.0500**
10/15/04	52.2	**12.5**	**0.0818**	**0.0385**	0.933	0.857	4.06	3.94	**0.00750**	**0.00750**	**0.750**	**0.750**	**5.10**	**1.55**	**0.0155**	**0.0155**	8030	7000	**0.050**	0.228	**0.0500**		0.673	0.383	109.0	58.0	**0.137**	**0.0500**
01/26/05	35.8	5.86	0.0440	0.0418	1.17	0.884	4.22	4.22	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0250**	**0.0192**	8440	7890	0.523	0.499	0.0404	0.0236	0.215	0.185	106.0	51.3	**0.0340**	**0.0155**
03/19/05	4.7		0.0479	0.0607	1.35	1.58	4.2	4.48	**0.00150**	**0.001495**	**0.003835**	**0.00384**	1.96	1.68	**0.00310**	**0.00310**	9940	10400	**0.170**	0.222	**0.0246**	0.0379	0.172		32.4		**0.0350**	**0.0350**
05/04/05	142	14.1	0.0420	0.0332	1.06	0.736	5.38	3.56	**0.00727**	**0.001495**	**0.003835**	**0.00384**	2.01		**0.00755**	**0.0100**	5980	5630	**0.133**	**0.0880**	0.0894	0.0321	0.635	0.365	308.0	105.0	0.0741	
06/03/05	33.7	12.1	0.0494		0.900	1.15	3.53	3.94	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7790	8020	**0.0310**		0.0434	0.0344	0.217	0.277	98.4	60.0	**0.0155**	
07/11/05	24.4	5.08	0.0390	0.0478	1.02	0.601	5.05	4.63	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	10300	9890	0.432	0.259	0.0426	0.023	0.256	0.252	170.0	63.5	**0.0155**	**0.0500**
10/30/05	21.9	6.50	0.0750	0.0870	1.02	1.07	4.54	3.90	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8900	8540	0.736	0.475	0.0612	0.0370	0.235	0.206	134.0	48.3	**0.0155**	
03/16/06	20.5	3.34	0.0918	0.0762	2.03	1.34	3.82	3.59	0.0312	**0.0120**	0.0548		**2.50**	**2.50**	**0.0125**	**0.0125**	9990	8920	0.730	0.296	0.0602	0.0464	0.375	0.170	81.2	32.0	0.0848	**0.0250**
06/20/06	19.8	13.0	**0.0492**	**0.0430**	1.07	0.852	4.04	3.72	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	8290	7840	0.619	0.611	0.0500	0.0458	0.317	0.336	115.0	77.4	5.14	0.314
07/26/06																												
07/27/06	13.6	8.64	0.0524	0.0534	1.28	1.25	4.88	4.54	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10600	10000	0.323		0.0646	0.0522	0.272		134.0	79.4	**0.0500**	0.154
08/14/06	172	20.0	**0.0418**	**0.0390**	1.60	0.925	6.85	4.97	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	8130	7610	0.540	0.462	0.163	0.0548	0.537	0.566	412.0	112.0	0.323	0.155
09/12/06	26.2	7.13	**0.0258**	0.0706	0.970	0.891	4.74	4.26	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	9020	7920	0.352	0.535	0.0504	0.0368	0.260	0.348	146.0	84.8	**0.0155**	
11/05/06	41.3	6.56	**0.0250**	**0.0250**	0.988	0.845	4.72	4.22	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	8720	7740	**0.0500**	**0.0500**	0.0658	0.0360	0.363	0.271	154.0	38.2	2.72	**0.0500**
12/14/06	20.1	3.82	**0.0432**	**0.0478**	0.625	**0.455**	4.79	5.32	**0.0125**	**0.0125**	**0.00750**	**0.0172**	**1.25**	**1.25**	**0.0185**	**0.0185**	9990	9260	**0.173**	**0.0500**	0.0364	0.0316	0.215	0.283	71.9	21.4	0.153	0.160
02/20/07	33.3	3.80	0.0732	0.0906	1.50	1.15	4.87	5.90	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11000	11400	0.484	0.429	0.0566	0.0398	0.246	0.291	81.3	**10.0**	0.101	**0.0500**
03/14/07	6.13	2.50	**0.0250**	**0.0250**	0.521	0.778	3.24	3.46	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7430	8370	0.294	**0.100**	**0.0100**		0.159		**10.0**	**10.0**	0.128	**0.0500**
04/24/07	344	23.8	0.227	0.0684	1.41	0.845	7.18	4.07	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	0.0584	**0.0156**	5670	5540	0.525	**0.127**	0.229	0.0984	0.642		671.0	184.0	1.05	0.183
05/14/07	74.9	14.1	0.0534	**0.0446**	1.16	1.03	4.77	4.10	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7530	7570	0.465	0.287	0.0628		0.391		226.0	109.0	0.164	**0.0500**
06/20/07	27.8	8.57	0.0626	0.0776	1.25	1.15	4.95	4.91	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9140	8540	0.279	0.316	0.0390	0.0328	0.289		113.0	71.1	**0.0500**	
07/15/07	47.2	8.17	0.0534	0.0634	1.32	1.16	5.27	4.97	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9850	9710	0.443	0.390	0.0666	0.0392	0.292		176.0	86.7	0.128	**0.0500**
Mean	60.7	10.46	0.0591	0.0686	1.14	0.951	4.72	4.27	0.0107	0.00970	0.1629	0.168	1.75	1.87	0.0146	0.0127	8530	8210	0.345	0.290	0.0665	0.0476	0.376	0.296	171.0	65.9	0.447	0.0840
Median	30.6	8.57	0.0486	0.0607	1.12	0.908	4.75	4.16	0.0123	0.0120	0.007500	0.00750	1.40	1.25	0.0140	0.0140	8690	8200	0.324	0.273	0.0535	0.0375	0.305	0.283	125.0	60.0	0.0920	0.0500
St. Deviation	80.6	7.18	0.0409	0.0472	0.320	0.262	0.930	0.650	0.00530	0.00350	0.3078	0.314	1.07	1.28	0.0108	0.0050	1540	1570	0.208	0.162	0.0462	0.0315	0.219	0.0970	148.0	43.8	1.149	0.0750
# of values	24	23	24	23	24	24	24	24	24	24	24	23	24	23	24	24	24	24	24	22	24	18	24	17	24	23	24	19
Minimum	4.7	2.5	0.025	0.025	0.521	0.455	3.24	3.39	0.00150	0.00150	0.00155	0.00155	0.75	0.75	0.00310	0.00310	5350	5230	0.031	0.050	0.0100	0.023	0.159	0.170	10.0	10.0	0.0155	0.0155
Maximum	344	32.1	0.227	0.258	2.03	1.58	7.18	5.90	0.0312	0.0125	0.750	0.750	5.1	5.00	0.0584	0.0192	11000	11400	0.736	0.611	0.229	0.155	1.14	0.566	671.0	184.0	5.14	0.314
% of values undetected	8%	17%	25%	22%	0%	0%	0%	0%	92%	100%	96%	96%	88%	96%	92%	92%	0%	0%	17%	14%	17%	0%	0%	0%	4%	13%	46%	74%
# of values between MDL and PQL	0	0	5	5	0	1	0	0	1	0	0	1	1	0	1	2	0	0	3	3	2	0	0	0	0	1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.080	0.078	NA	NA	10.98	10.56276	NA	NA	2.289	2.198	1000	1000	0.392	0.404
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100A																												
Sample Date																												
05/01/04	1130	1080	20.7	3.67	0.00270		**0.155**	**0.155**	0.293	0.239	376	359	**0.155**	**0.155**	3520	**0.00310**	**0.00310**	1840	1860	**0.0125**	**0.0125**	**0.155**	**0.155**	0.761	**0.125**	**0.750**	**0.750**
05/20/04	1250	1180	7.38	7.04	0.00200		**0.155**	**0.358**	0.267	0.351	317	296	**0.155**	**0.155**	3990	**0.00310**	**0.00310**	2110	1970	**0.0125**	**0.0125**	**0.155**	**0.155**	0.721	**0.200**	**0.750**	**0.750**
05/22/04																												
08/26/04	1640	1670	12.1	11.2	0.00100		**0.320**	**0.155**	0.316	0.321	407	425	**0.155**	**0.155**	5010	**0.00310**	**0.00310**	2450	2420	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.272**	**0.333**	**0.750**	**0.750**
09/16/04	1760	1740	15.4		0.00110		**0.343**	**0.342**	0.308	0.456	388	384	**0.155**	**0.155**	4930	0.0955	**0.00310**	2670	2700	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.369**	**0.290**	**0.750**	**0.750**
10/15/04	1530	1390	8.09	6.80	0.00180		**0.342**	**0.335**	0.261	0.265	361	314	**0.155**	**0.155**	4860	**0.00310**	**0.00310**	2460	2260	**0.0125**	**0.0125**	**0.155**	**0.155**	0.411	0.440	3.03	2.62
01/26/05	1670	1550	7.99	4.63	**0.000500**		0.298	0.280	0.272	0.256	329	307	**0.0775**	**0.0775**	4900	**0.00310**	**0.00310**	2480	2400	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.291**	**0.100**	**0.775**	
03/19/05	1760	1610	3.84		**0.000147**		0.292	0.316	**0.0450**	**0.0450**	383	365	**0.0143**	**0.0372**	4980	**0.001435**	**0.00500**	2580	2510	**0.00213**	**0.00213**	**0.0302**	**0.0302**	0.516	0.596	2.17	1.72
05/04/05	1230	1210	15.1	3.41	**0.00250**		0.231	0.149	0.200		395	384	**0.0349**	**0.0143**	4000	**0.001435**	**0.00144**	1750	1850	**0.00213**	**0.00213**	**0.0983**	**0.0302**	0.688	0.340	1.22	
06/03/05	1560	1640	7.58	5.74	**0.000450**		0.299	0.291	0.392		350	369	**0.0775**	**0.0775**	4220	**0.00310**	**0.00310**	2460	2560	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.549	**0.200**	**0.750**	1.62
07/11/05	2150	2080	16.1	8.76	**0.000450**		0.351	0.331	0.350	0.394	429	417	**0.0775**	**0.0775**	4420	**0.00310**	**0.00310**	3200	3130	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.613	0.604	3.55	2.52
10/30/05	1790	1830	14.8	10.5	**0.00221**		0.486	0.274	0.366		359	328	**0.0775**	**0.0775**	5580	**0.00310**	**0.00310**	2710	2770	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.546	0.453	1.71	**0.509**
03/16/06	1700	1510	5.67	3.70	**0.000475**		0.580	0.572	0.290	0.241	361	322	**0.155**	**0.155**	4640	**0.00310**	**0.00310**	2510	2280	**0.00500**		**0.0500**	**0.0500**	0.714	0.621	1.99	
06/20/06	1580	1490	7.61	5.79	**0.00250**		0.260	0.247	0.219		366	353	**0.155**	**0.155**	1820	**0.00310**	**0.00310**	2480	2480	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.622	0.764	9.27	5.65
07/26/06																												
07/27/06	1780	1810	18.5	12.4	**0.000475**		0.336	0.352	0.300		417	409	**0.155**	**0.155**	4230	**0.00310**	**0.00310**	2700	2790	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.634**	**0.250**	1.07	
08/14/06	1720	1560	34.7	9.43	**0.000475**		0.271	0.262	0.497	0.521	363	340	**0.155**	**0.155**	4650	**0.00310**	**0.00310**	2630	2480	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	2.07	1.20
09/12/06	1810	1580	11.6	9.02	**0.000475**		0.309	0.296	0.304	0.430	359	319	**0.155**	**0.155**	4070	**0.00800**	**0.00310**	2680	2380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.21	1.22
11/05/06	1680	1520	20.1	10.4	**0.000475**		0.276	0.253	0.243	0.237	342	308	**0.155**	**0.155**	4430	**0.00310**	**0.00310**	2530	2300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.876**	**0.804**	2.41	1.72
12/14/06	2000	1720	6.36	3.89	**0.000475**		0.351	0.349	0.392	0.472	394	380	**0.155**	**0.155**	5050	**0.00310**	**0.00310**	2920	2540	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
02/20/07	1810	1940	7.53	3.98	**0.000431**		0.365	0.386	0.508	0.558	406	453	**0.155**	**0.155**	5710	**0.00310**	**0.00310**	2640	2900	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.433**	**0.155**	1.45	
03/14/07	1380	1410	1.44		**0.000169**		0.250	0.293	**0.100**		294	301	**0.155**	**0.155**	4970	**0.00310**	**0.00310**	2400	2410	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.500**	**0.500**	
04/24/07	1240	1180	41.8	16.6	**0.00213**		0.214	0.259	0.445		756	753	**0.155**	**0.155**	2990	**0.00310**	**0.00310**	1760	1760	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.35	**0.343**	3.31	3.24
05/14/07	1540	1500	11.1	9.26	**0.000635**		0.289	0.318	0.339		456	458	**0.155**	**0.155**	4080	**0.00310**	**0.00310**	2310	2290	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.566**	**0.445**	3.01	2.82
06/20/07	1910	1810	9.42	6.27	**0.000169**		0.362	0.359	0.248	0.347	413	414	**0.155**	**0.155**	4300	**0.00310**	**0.00310**	2880	2710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.558**	**0.498**	**0.500**	1.39
07/15/07	1910	1900	18.2	10.5	**0.000169**		0.357	0.375	0.370		370	383	**0.155**	**0.155**	4770	**0.00310**	**0.00310**	2820	2810	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.504**	**0.371**	**0.500**	**0.500**
Mean	1650	1580	13.5	7.76	0.000996	NA	0.312	0.304	0.305	0.342	391	381	0.131	0.131	4420	0.00700	0.00310	2500	2440	0.00600	0.00590	0.0700	0.0700	0.537	0.383	1.83	1.75
Median	1690	1570	11.4	7.04	0.000475	NA	0.304	0.306	0.302	0.347	373	367	0.155	0.155	4540	0.00310	0.00310	2520	2450	0.00500	0.00500	0.0500	0.0500	0.548	0.342	1.22	1.39
St. Deviation	260	260	9.30	3.49	0.000874	NA	0.0910	0.0880	0.107	0.134	86	93	0.0440	0.0440	820	0.0189	0.000500	350	340	0.00400	0.00370	0.0500	0.0500	0.257	0.194	1.86	1.32
# of values	24	24	24	21	24	0	24	24	24	15	24	24	24	24	24	24	24	24	24	24	23	24	24	24	24	24	17
Minimum	1130	1080	1.44	3.41	0.000147	NA	0.155	0.149	0.045	0.045	294	296	0.0143	0.0143	1820	0.001435	0.001435	1750	1760	0.00213	0.002125	0.0155	0.0155	0.155	0.1	0.500	0.500
Maximum	2150	2080	41.8	16.6	0.00270	NA	0.580	0.572	0.508	0.558	756	753	0.155	0.155	5710	0.0955	0.00500	3200	3130	0.0125	0.0125	0.155	0.155	1.35	0.804	9.27	5.65
% of values undetected	0%	0%	0%	0%	63%		8%	8%	8%	7%	0%	0%	96%	96%	0%	92%	100%	0%	0%	100%	100%	96%	100%	17%	42%	38%	29%
# of values between MDL and PQL	0	0	0	0	4		3	3	0	0	0	0	1	1	0	1	0	0	0	0	0	1	0	9	7	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	12.98	12.94	NA	NA	5	4.6	NA	0.2400669	0.204	NA	NA	NA	NA	NA	NA	NA	NA	29.75	29.34
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT100B																										
Sample Date																										
04/30/04	7.02	0.430	11.91		0.042	-30.0		14.9	41.0	35.0	16.5	**1.57**	16.0	0.253			**0.0155**	**0.0155**		0.714	**0.0500**	1.31	**0.00125**	**0.00300**	**0.0650**	
05/20/04								20.6	60.0	60.0	1.03	**1.57**	25.5	**0.0460**			**0.0155**	**0.0155**		0.694	**0.0500**	2.37	**0.00125**	**0.00125**	**0.0650**	
05/21/04	7.33	6.58	10.75		0.062	98.0	5.50																			
06/03/04													32.5													
06/17/04	7.11	8.18	10.65	93.6	0.071	273.0	1.00	24.5	70.0	36.3	1.80	**1.57**	32.0				**0.0155**	**0.0155**		0.678	0.124	2.86	**0.0028**	**0.00125**	**0.0650**	
07/15/04	7.24	10.92	9.86	90.3	0.085	289.0	1.20	31.0	82.0	51.3	1.90	**1.57**	36.0	**0.310**			**0.0155**	**0.0326**		0.705	**0.0500**	3.11	**0.00125**	**0.00125**	**0.0650**	
08/15/04													36.5													
08/26/04	7.27	11.01	12.26	112.5	0.086	171.0	1.00	29.7	80.0	56.3	**0.250**	**1.57**	36.5	1.73			**0.0720**	**0.0155**		0.834	**0.0370**	3.07	**0.00125**	**0.00125**	**0.0650**	
09/16/04	7.42	5.34	11.59	92.8	0.083	218.0	0.600	30.7	90.0	55.0	1.60	**1.57**	37.3	**0.560**			**0.0420**	**0.0155**		0.895	**0.0310**	3.36	**0.0040**	**0.00125**	**0.200**	
10/14/04	6.70	7.00	13.30		0.050		2.00	26.4	80.0	42.5	0.50	**1.57**	29.0	**0.155**			**0.0155**	**0.0155**					0.0050	**0.00250**	**0.0295**	
10/15/04																				1.09	**0.0155**	3.03				
01/27/05	7.39	-0.130	13.21		0.078	85.0	9.10	29.9	75.0	48.8	**0.40**	**0.785**	34.0	0.250			**0.0500**	0.0329		0.783	**0.0400**	3.37	**0.00125**	**0.00125**	**0.270**	
03/15/05	7.58	1.75	13.40	97.4	0.077	135.0	2.70	31.8	70.0	41.3	**0.80**	**0.785**	31.0	**0.090**			**0.0500**	0.0371		0.923	**0.0320**	3.48	**0.00125**	**0.00125**	**0.280**	
03/22/05	8.01	1.63	12.98	93.4	0.081	115.0	5.50																			
05/04/05	6.19	3.51	12.84	96.7	0.041	184.6	2.34	19.1	46.0	32.5	3.90	**2.13**	22.0	0.310			**0.0155**	0.0363		0.704	**0.0155**	2.03	**0.00125**	**0.00125**	**0.210**	
06/03/05	8.07	8.43	11.53	100.1	0.072	-4.0	4.40	26.7	70.0	45.0	1.30	**0.785**	30.5	**0.0800**			**0.0155**	0.0245		0.648	**0.0155**	2.91	**0.00125**	**0.00125**	**0.190**	
07/10/05	6.96	10.01	9.53	84.3	0.079	-64.1	1.48	33.1	80.0	51.3	5.27	**0.785**	37.3	**0.049**			**0.0380**	0.0543		0.608	**0.0155**	3.00	**0.0025**	**0.00250**	**0.160**	
08/15/05	7.68	15.25	7.83	77.7	0.080	192.4	1.00	35.7	75.0	41.3	2.02	**0.785**	36.5	**0.0155**			**0.0155**	0.0200		0.654	**0.0310**	2.90	**0.00125**	**0.00400**	**0.240**	
09/14/05	4.90	6.89	11.44	94.1	0.062	234.7	1.46	27.1	70.0	42.5	2.30	**2.75**	29.5	0.594			**0.0155**	**0.0110**		0.819	**0.0310**	2.96	**0.00125**	**0.00125**	**0.300**	
10/30/05	6.95	1.00	13.67	96.3	0.070	110.9	0.740	30.3	75.0	43.8	1.40	**0.785**	33.0	0.187			**0.0500**	**0.0140**		0.823	**0.0410**	3.16	**0.00125**	**0.00125**	**0.290**	
02/09/06	6.55	0.690	9.92	69.3	0.074	-131.9	0.390	33.6	80.0	42.5	**0.80**	**3.50**	36.0	0.206			**0.0500**	**0.0078**		0.798	**0.0155**	3.72	**0.00125**	**0.00125**	**0.0295**	
03/14/06	6.97	0.250	11.91	81.8	0.043		1.66	31.3	60.0	65.0	1.40	**3.00**	36.0	0.177			**0.0500**	**0.0070**		0.773	**0.0155**	3.52	**0.00125**	**0.00125**	**0.155**	
04/02/06	6.87	0.180	12.17	83.8	0.077	72.4																				
05/19/06	6.66	2.52	9.56	70.2	0.049	-70.6	1.47	19.0	49.0	43.8	3.70	**3.00**	24.0	0.276	**0.0155**	0.270	**0.0470**	0.0247	**0.0155**	0.909	**0.0155**	1.69	**0.00125**	**0.00125**	**0.155**	
06/17/06	6.59	6.52	7.63	62.1	0.056	61.2	1.69	24.4	50.0	45.0	8.16	**2.75**	27.0	0.149	**0.0155**	0.124	**0.0360**	0.0227	**0.0155**	0.573	**0.0430**	2.07	**0.00125**	**0.00125**	**0.155**	
07/24/06	7.15	9.00	7.80	67.5	0.050	70.4	0.600	33.1	70.0	62.5	2.10	**2.50**	36.0	**0.0485**	**0.0155**	**0.0485**	**0.0350**	**0.0096**	**0.05**	0.665	**0.0650**	2.90	**0.00105**	**0.0025**	**0.155**	
08/15/06	7.57	8.51	7.49	64.1	0.048	166.7	2.78	24.3	50.0	53.8	42.7	**3.25**	24.0	0.150	**0.0155**	0.136	**0.0660**	0.0830		0.405	**0.0380**	1.65	**0.00075**	**0.00075**	**0.155**	
09/12/06	7.02	7.59	9.57	80.1	0.068	108.6	1.04	30.0	65.0	58.8	1.10	**1.57**	33.0	**0.0790**	**0.0155**	**0.0730**	**0.0155**	**0.0090**	**0.05**	0.737	**0.0470**	2.69	**0.00075**	**0.00075**	**0.155**	
11/02/06	7.10	0.010	11.91	81.4	0.060	109.5	0.260	30.9	60.0	26.3	0.526	**1.57**	32.0	0.178	**0.0155**	0.167	**0.0155**	0.0160	**0.0155**	0.751	**0.0155**	2.68	**0.00075**	**0.00075**	**0.155**	
12/12/06	6.25	0.070	9.90	68.1	0.072		0.360	27.7	80.0	55.0	**1.20**	**1.57**	32.0	0.709	**0.0155**	0.697	**0.0155**	**0.0090**	**0.0155**	0.731	**0.0155**	3.03	**0.00075**	**0.00200**	**0.155**	
01/12/07	6.18	0.320	7.96	54.9	0.073	142.3	0.660	31.5	65.0	48.8	1.72	**1.57**	35.0	0.176	**0.0155**	0.161	**0.0155**	**0.0080**	**0.05**	0.693	**0.0155**	3.13	**0.00075**	**0.00075**	**0.155**	
02/19/07	5.50	0.020	11.07	75.6	0.074	182.0	0.340	33.9	70.0	57.5	1.40	**1.57**	38.0	0.119	**0.0155**	0.119	**0.0155**	**0.00155**		0.694	**0.0155**	2.90	**0.00075**	**0.00075**	**0.155**	
03/13/07	6.13	0.160	11.52	79.5	0.077	164.9	0.600	30.9	70.0	45.0	1.80	**1.57**	36.0	0.173	**0.0155**	0.176	**0.0155**	0.0380		0.713	**0.0155**	3.37	**0.00075**	**0.00075**	**0.155**	
04/02/07	7.60	0.810	10.33	72.0	0.077	84.7																				
04/23/07	6.64	1.06	9.55	67.8	0.049	124.5	2.95	21.2	50.0	32.5	10.8	**1.57**	22.0	0.138	**0.0155**	0.121	**0.0155**	0.0220	**0.05**	0.770	**0.0470**	2.04	**0.00075**	**0.00075**	**0.500**	
05/13/07	6.22	4.00	10.82	82.6	0.058	192.1	1.04	28.0	55.0	21.3	4.44	**1.57**	28.0	0.205			**0.0155**	0.0166		0.734	**0.0420**	2.30	**0.00075**	**0.00075**	**0.155**	
06/19/07	6.52	7.70	10.57	88.5	0.071	107.7	1.88	32.8	70.0	46.3	1.41	**1.57**	34.0	**0.050**			**0.0500**	**0.0050**		0.698	**0.0690**	3.18	**0.00075**	**0.00075**	**0.155**	1.20
07/15/07	7.15	10.34	8.83	78.9	0.072	132.6	0.560	32.5	70.0	41.3	1.40	**1.57**	34.8	**0.050**			**0.0155**	0.0102		0.604	**0.0490**	2.59	**0.00075**	**0.00075**	**0.155**	1.42
08/18/07	7.46	9.79	8.17	72.2	0.091	20.9	0.450	34.7	75.0	50.0	1.22	**4.00**	36.7	**0.0680**			**0.0788**	0.0110		0.518	**0.0340**	2.44	**0.00075**	**0.00075**	**0.155**	1.45
09/18/07	7.18	7.14	9.92	82.2	0.065	99.2	0.750	31.4	65.0	47.5	2.42	**1.57**	31.3	0.164			**0.0155**	**0.0096**		0.600	**0.0330**	2.36	**0.0025**	**0.00075**	**0.155**	1.50
10/16/07	7.48	0.200	13.05	89.8	0.065	54.6	0.580	27.5	60.0	48.8	0.941	**1.57**	30.7	0.218			**0.0155**	0.0113		0.661	**0.0340**	2.62	**0.00075**	**0.00075**	**0.155**	0.945
11/11/07	6.73	0.520	11.91	82.7	0.063	75.6	1.33	27.1	60.0	26.3	1.09	**1.57**	29.3	0.218			**0.0155**	0.0105		0.706	**0.0340**	2.28	**0.00075**	**0.00075**	**0.155**	1.43
12/11/07	7.23	0.020	14.95	102.1	0.062	69.4	1.04	28.1	63.6	42.5	1.80	**1.57**	29.8	0.254			**0.0155**	0.0147		0.640	**0.0155**	2.42	**0.00075**	**0.00075**	**0.155**	0.812
01/18/08	7.60	0.150	10.29	70.8	0.071	70.3	0.350	31.7	73.4	51.3	1.29	**1.57**	33.1	0.657			**0.0155**	0.0161		0.661	**0.0360**	2.83	**0.00075**	**0.00075**	**0.155**	0.584
02/22/08	7.16	0.090	7.26	49.8	0.073	34.3	1.33	31.5	80.7	56.3	3.58	**4.12**	35.5	0.147			**0.0155**	0.0125		0.671	**0.0155**	2.80	**0.00075**	**0.00075**	**0.155**	0.588
03/13/08	7.03	0.270	10.33	71.3	0.074	162.2	0.680	30.5	74.8	43.8	2.77	**5.58**	36.1	0.194			**0.0155**	**0.0070**		0.693	**0.0340**	2.78	**0.0025**	**0.00250**	**0.155**	**0.416**
03/27/08	6.02	0.170	12.70	87.3	0.084	215.0																				
04/21/08	7.51	1.24	12.49	88.5	0.074	125.3	0.350	31.8	75.4	45.0	1.57	**1.57**	35.8	0.183			**0.0155**	0.0112		0.657	**0.0330**	2.53	**0.0020**	**0.00075**	**0.155**	0.554
05/17/08	7.82	2.89	8.50	63.0	0.047	153.4	3.58	17.9	45.2	43.8	7.53	**1.57**	21.4	0.441			0.134	0.0167		0.580	**0.0155**	1.31	**0.0025**	**0.00075**	**0.155**	2.59
06/12/08	7.41	7.06	10.48	86.6	0.054	169.2	0.940	22.4	57.8	43.8	1.24	**1.57**	27.1	0.211			**0.0500**	**0.00155**		0.362	**0.0350**	1.99	**0.0025**	**0.00075**	**0.155**	1.30
07/16/08	6.77	10.01	7.16	63.5	0.069	92.2	0.410	31.7	69.3	46.3	1.50	**1.57**	33.9	**0.0400**			0.149	0.0169		0.470	**0.0430**	2.24	**0.0025**	**0.00250**	**0.155**	1.46
08/21/08	7.75	7.51	9.76	81.7	0.077	85.8	0.820	31.4	74.4	51.3	0.795	**1.57**	37.3	**0.050**			**0.0155**	**0.0050**		0.904	**0.0850**	3.45	**0.0025**	**0.00075**	**0.155**	1.06
09/20/08	6.16	6.49	6.88	55.9	0.059	135.9	1.55	24.6	63.4	53.8	4.18	**1.57**	29.4	**0.095**			**0.0155**	0.0120		0.633	**0.0310**	1.72	**0.00075**	**0.00075**	**0.155**	3.41
10/20/08	6.50	0.650	11.31	78.9	0.069	145.4	0.650	27.9	79.5	43.8	2.20	**1.57**	31.6	0.179			**0.0500**	0.0302		0.742	**0.0390**	2.78	**0.00075**	**0.00075**	**0.155**	0.842
11/23/08	6.62	0.010	10.39	71.0	0.072	160.9	0.500	31.4	78.3	50.0	1.20	**3.66**	33.0	0.236			**0.0500**	0.0113		0.663	**0.0310**	2.94	**0.00075**	**0.00075**	**0.155**	0.653
12/09/08	6.89	0.140	9.45	65.0	0.073	137.5	0.740	29.5	76.9	36.3	2.71	**3.42**	34.6	0.228			**0.0788**	0.0162		1.05	**0.0420**	4.45	**0.00075**	**0.00075**	**0.155**	0.549
Mean	6.96	4.10	10.58	79.6	0.067	113.0	1.50	28.5	67.7	46.0	3.40	1.96	31.8	0.236	0.0155	0.190	0.0346	0.0179	0.03	0.709	0.0350	2.72	0.0014	0.00123	0.163	1.20
Median	7.03	2.10	10.53	80.8	0.071	115.0	1.00	30.2	70.0	45.0	1.60	1.57	33.0	0.178	0.0155	0.136	0.0155	0.0155	0.033	0.696	0.0340	2.82	0.0013	0.00075	0.155	1.06
St. Deviation	0.620	4.20	1.940	13.5	0.012	83.0	1.70	4.80	11.3	9.20	6.50	1.00	5.00	0.273	0	0.178	0.0298	0.0142	0.02	0.138	0.0210	0.630	0.00090	0.00073	0.0760	0.750
# of values	52	52	52	48	52	49	48	48	48	48	48	48	50	47	11	11	48	48	8	48	48	48	48	48	48	19
Minimum	4.90	-0.130	6.88	49.8	0.041	-131.9	0.26	14.9	41.0	21.3	0.25	0.785	16.0	0.0155	0.0155	0.0485	0.0155	0.00155	0.0155	0.362	0.0155	1.31	0.00075	0.00075	0.0295	0.416
Maximum	8.07	15.25	14.95	112.5	0.091	289	9.10	35.7	90.0	65	42.7	5.58	38.0	1.73	0.0155	0.697	0.149	0.0830	0.050	1.090	0.124	4.45	0.0050	0.00400	0.500	3.41
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	73%	0%	13%	100%	0%	77%	21%	100%	0%	38%	0%	90%	94%	79%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	4	13	0	10	0	2	9	11	0	0	29	0	4	3	10	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.92	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	17%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100B																												
Sample Date																												
04/30/04	664	33.0	**0.0385**		1.44	0.538	9.25	3.01	**0.0174**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4110	4220	0.730	0.262	0.334	0.363	1.34	0.971	984.0	199.0	0.468	0.204
05/20/04	58.8	**9.75**	**0.0385**	**0.0965**	0.880	**0.625**	4.13	3.96	**0.00750**	**0.01875**	**0.750**	**1.875**	**1.55**	**1.55**	**0.0155**	**0.03875**	6050	6490	0.248	**0.125**	**0.0564**		0.396	**0.250**	180.0	69.8	**0.100**	**0.125**
05/21/04																												
06/03/04																												
06/17/04	35.0	**12.5**	**0.0385**		1.22	0.981	5.14	4.63	**0.00750**	**0.0180**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0551**	7390	7260	0.244		**0.0500**		0.444	0.527	157.0	85.7	**0.152**	0.269
07/15/04	36.8	**3.90**	**0.0385**	**0.100**	1.53	1.30	5.45	5.28	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.050**	**0.0155**	9410	9150	0.307	**0.100**	**0.0500**		0.284	0.252	127.0	51.9	**0.0500**	**0.0500**
08/15/04																												
08/26/04	**12.5**	**12.5**	**0.100**	**0.100**	1.47	1.34	5.03	4.79	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9090	9310	0.284	0.267	**0.0500**		0.296	0.222	102.0	43.8	**0.0500**	**0.0500**
09/16/04	27.9	**12.5**	**0.0385**	**0.0385**	1.40	1.26	4.81	4.15	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9240	8830	0.252	0.281	**0.0500**		0.227	0.280	114.0	41.0	**0.0500**	**0.0500**
10/14/04	30.4	**12.5**	**0.0385**	**0.0913**	1.20	0.956	4.31	3.86	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7800	6670	**0.050**	0.238	**0.0500**		0.398	0.432	149.0	85.8	**0.0500**	**0.0500**
10/15/04																												
01/27/05	26.3	4.43	0.0630	0.0756	1.12	1.24	4.37	4.47	**0.00750**	**0.00750**	**0.00780**	**0.00600**	**1.55**	**1.55**	**0.00775**	0.0550	9080	8210	0.595	0.302	0.0596	0.0366	0.261	0.205	114.0	58.2	**0.0524**	**0.0155**
03/15/05	31.3	5.24	0.0532	0.0566	1.48	1.35	4.30	4.22	**0.00150**	**0.001495**	**0.00384**	**0.00384**	2.02	2.05	**0.00310**	**0.00310**	9550	7220	0.206	**0.156**	0.0434	**0.0280**	0.393	0.267	135.0	61.3	**0.0350**	0.0926
03/22/05																												
05/04/05	152	14.7	0.0361	0.0362	1.06	0.734	5.54	4.12	**0.00690**	**0.001495**	**0.00384**	**0.00384**	2.25	2.24	**0.00310**	**0.0100**	5520	5840	**0.154**	**0.0836**	0.109	0.0357	0.396	0.324	380.0	131.0	0.0879	
06/03/05	29	8.11	0.0500	0.0526	1.02	1.22	3.76	4.09	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7910	8150	**0.100**		0.056	0.0436	0.331	0.269	121.0	62.4	**0.0500**	
07/10/05	82.8	4.88	0.0940	0.0424	1.52	1.58	5.26	4.67	**0.00750**	**0.00750**	0.0356	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	9820	9930	0.328	0.438	0.128	0.0448	0.398	0.273	300.0	53.2	**0.0500**	0.113
08/15/05	26.7	4.72	0.178	0.0124	1.64	**0.125**	5.02	5.85	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**6.70**	**5.40**	**0.00775**	**0.00775**	10900	8900	0.500	0.546	0.0764	0.0932	0.319		167.0	190.0	**0.0155**	
09/14/05	82.8	14.0	0.0540	0.0478	1.12	0.687	5.30	4.31	**0.00750**	**0.00750**	0.0230	**0.00500**	**1.55**	**5.10**	**0.00775**	**0.00775**	8050	7780	0.722	0.537	0.0992	0.0586	0.396	0.489	295.0	102.0	**0.0500**	
10/30/05	28.7	5.77	0.0434		0.941	0.581	4.74	4.15	**0.00750**	**0.00750**	**0.00155**	**0.00620**	**3.60**	**1.55**	**0.00775**	**0.00775**	8960	8280	0.606	0.467	0.0760	0.0608	0.325		181.0	55.6	**0.0155**	
02/09/06	29.7	3.32	0.0656	0.0614	1.45	1.49	4.62	3.93	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	10400	9730	0.218		0.0558	0.0438	0.189	0.229	105.0	24.0	0.267	0.245
03/14/06	22.4	5.34	0.0846	0.0936	1.36	1.42	4.43	4.79	**0.0120**	**0.0286**	0.129	0.0786	**2.50**	**2.50**	**0.0125**	**0.0125**	9630	11200	0.552	0.615	0.0630	0.0664	0.212	0.281	113.0	48.0	**0.0250**	
04/02/06																												
05/19/06	194	13.1	**0.0250**	**0.0250**	1.14	0.608	5.45	3.95	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	5440	5700	0.613	0.432	0.150	0.0564	0.576	0.494	528.0	196.0	0.540	0.244
06/17/06	146	14.7	**0.0434**	**0.0432**	0.912	0.732	6.15	4.49	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**2.26**	**2.25**	**0.0125**	**0.0125**	7100	6740	**0.050**	**0.0500**	0.160	0.0692	0.662	0.481	412.0	115.0	0.0898	
07/24/06	14.8	5.13	0.0548	0.0630	1.42	1.13	5.85	5.37	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	9880	10600	0.598	0.391	0.0920	0.0804	0.310	0.278	189.0	92.4	**0.0155**	
08/15/06	844	28.6	0.0600	**0.0460**	1.43	**0.155**	12.2	4.52	**0.0258**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	6880	6780	0.497	**0.0500**	0.569	0.0870	1.20	0.702	1360.0	191.0	0.359	0.168
09/12/06	20.4	7.21	**0.0268**	0.0536	0.977	0.944	4.88	4.50	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	8770	8140	0.350	0.452	0.0666	0.0520	0.308	0.395	203.0	111.0	**0.0155**	
11/02/06	16.6	6.18	**0.0250**	**0.0250**	0.862	0.577	4.92	5.31	**0.0125**	**0.0125**	**0.00750**	**0.0210**	**1.25**	**1.25**	**0.0185**	**0.0185**	9170	9200	0.510		0.0616	0.0590	0.226	0.326	151.0	88.1	**0.0500**	**0.0500**
12/12/06	19.3	4.19	**0.0388**	**0.0484**	1.02	0.896	4.56	5.00	**0.0125**	**0.0125**	**0.0250**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	8310	8660	**0.050**	**0.0500**	0.0522	0.0404	0.226	0.286	120.0	36.1	0.242	0.118
01/12/07	51.7	3.14	0.0660	0.101	1.52	0.950	4.76	5.42	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**2.64**	**0.00750**	**0.00750**	9740	10800	0.396		0.0306	0.0382	0.179		126.0	24.8	**0.0155**	**0.0155**
02/19/07	27.5	3.50	0.0596	0.0922	1.43	1.15	5.12	5.73	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10400	11500	0.411	**0.100**	0.0486	0.0472	0.217		92.1	34.1	2.91	**0.0500**
03/13/07	30.4	2.56	0.0732	0.0740	1.46	1.14	4.08	3.81	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9710	9370	0.366	0.255	0.0402		0.185		83.6	**10.0**	**0.0500**	
04/02/07																												
04/23/07	219	15.6	**0.0406**	0.0510	1.30	1.01	5.98	4.23	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6290	6230	0.472	**0.160**	0.159	0.144	0.513		488.0	159.0	0.115	**0.0462**
05/13/07	67.7	10.4	0.0596	0.0594	1.25	1.02	5.61	4.48	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**		8300	7530	0.436	0.495	0.0724		0.454		267.0	110.0	**0.0500**	**0.0500**
06/19/07	32.0	6.79	0.0696	0.0604	1.56	1.33	5.60	4.67	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9750	8520	0.392	0.277	0.0534	0.0396	0.336	0.232	171.0	92.8	**0.0500**	**0.0155**
07/15/07	67.6	6.51	0.0612	0.0612	1.61	1.31	5.74	5.06	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9710	9210	0.511	0.408	0.0856	0.0532	0.285	0.266	246.0	116.0	**0.0500**	**0.0155**
08/18/07	24.6	4.46	0.0618	0.0630	1.47	1.34	5.63	5.12	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**2.72**	**1.25**	**0.00750**	**0.00750**	10600	9590	0.377	**0.190**	0.0754	0.0510	0.270	0.230	179.0	78.2	**0.0500**	**0.0155**
09/18/07	51.1	10.1	**0.0482**	0.0536	1.43	1.14	5.95	5.38	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9430	9330	0.394	0.352	0.0986	0.0492	0.403	0.397	271.0	114.0	**0.0500**	**0.0500**
10/16/07	36.1	7.37	**0.0402**	0.0508	0.903	0.992	4.47	5.12	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8150	9410	0.457	0.477	0.0576	0.0388	0.261	0.280	162.0	88.5	**0.0500**	**0.0155**
11/11/07	42.8	8.31	**0.0428**	0.0510	1.04	0.883	4.40	4.26	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8090	8140	0.294	**0.100**	0.0540	0.0348	0.477		163.0	86.4	**0.0500**	**0.0500**
12/11/07	49.5	9.86	**0.0402**	**0.0438**	0.847	**0.444**	4.54	4.3	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8350	8510	0.473	0.521	0.0576	0.0310	0.216	0.196	177.0	98.4	**0.0155**	**0.0155**
01/18/08	36.3	4.95	0.0526	0.0694	1.15	0.974	4.74	5.41	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9710	10400	0.472	0.561	0.0476	0.0322	0.267		136.0	57.6	**0.0155**	**0.0500**
02/22/08	53.3	4.12	0.0650	0.0618	1.52	1.26	4.76	4.48	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9600	10100	0.431	0.533	0.0586	0.0378	0.203		191.0	68.8	**0.0500**	**0.0500**
03/13/08	54.3	4.44	0.0606	0.0572	1.39	1.11	4.50	3.61	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9330	8480	0.270	**0.198**	0.0590	0.0272	0.207	0.217	177.0	70.2	**0.0476**	**0.0155**
03/27/08																												
04/21/08	30.1	4.26	**0.0390**	**0.0385**	1.42	1.06	4.72	4.54	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9620	9520	0.443	0.490	0.0431	0.0283	0.184		142.0	60.5	**0.0155**	**0.0155**
05/17/08	67.9	16.4	**0.0260**	**0.0268**	1.01	0.65	4.41	3.51	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5250	5160	**0.100**	**0.100**	0.0928	0.0390	0.335		357.0	188.0	**0.0500**	**0.0500**
06/12/08	35.2	11.2	**0.0075**	**0.0219**	1.12	1.19	3.73	3.91	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6620	7460	0.323	0.301	0.0423	0.0339	0.222		148.0	89.6	**0.0155**	**0.0155**
07/16/08	22.4	4.94	**0.0075**	0.0501	1.39	1.45	5.18	5.12	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**2.53**	**0.00750**	**0.00750**	9150	9070	0.236	0.275	0.0526	0.0429	0.207		167.0	98.2	**0.0155**	**0.0155**
08/21/08	19.1	5.17	**0.0442**	0.0649	1.38	1.65	5.23	6.19	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9430	10800	0.251	0.247	0.0515	0.0465	0.311	0.293	165.0	118.0	**0.0377**	**0.0630**
09/20/08	82	14.1	**0.0075**	**0.00750**	0.978	0.749	5.08	4.29	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7160	7170	0.339	0.403	0.0915	0.0441	0.495	0.413	290.0	104.0	**0.0371**	**0.0155**
10/20/08	31.9	5.13	0.0511	0.0533	1.40	1.30	3.96	3.78	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8480	8580	0.337	0.325	0.0499	0.0329	0.225		144.0	59.4	**0.0310**	**0.0155**
11/23/08	29.7	4.10	**0.0075**	**0.00750**	1.20	0.916	4.94	4.80	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9410	9330	0.245	0.245	0.0446	0.0351	0.202	0.258	119.0	45.6	**0.0155**	**0.0155**
12/09/08	76	4.74	**0.0423**	**0.0461**	1.43	1.03	5.00	4.30	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8780	8910	0.2	**0.0500**	0.0844	0.0343	0.362	0.186	266.0	76.9	**0.0532**	**0.0155**
Mean	80.6	8.72	0.0500	0.0550	1.27	1.01	5.16	4.56	0.0112	0.0114	0.1191	0.1403	1.65	1.68	0.0108	0.0126	8530	8460	0.362	0.300	0.0856	0.0570	0.357	0.339	238.0	88.4	0.140	0.0663
Median	35.1	6.35	0.0438	0.0533	1.37	1.03	4.93	4.49	0.0125	0.0125	0.007500	0.007500	1.25	1.25	0.00750	0.00750	9090	8620	0.358	0.277	0.0581	0.0437	0.309	0.280	167.0	85.8	0.0500	0.0500
St. Deviation	149.6	6.12	0.0276	0.0239	0.230	0.350	1.34	0.650	0.00350	0.00410	0.2641	0.3559	1.03	1.00	0.00720	0.0108	1540	1600	0.168	0.168	0.0862	0.0542	0.222	0.162	224.0	46.9	0.423	0.0708
# of values	48	48	48	45	48	48	48	48	48	48	48	48	48	48	48	47	48	48	48	43	48	40	48	33	48	48	48	38
Minimum	12.5	2.56	0.0075	0.0075	0.847	0.125	3.73	3.01	0.001495	0.00150	0.00155	0.00155	0.75	0.75	0.00310	0.00310	4110	4220	0.05	0.05	0.0306	0.0272	0.179	0.186	83.6	10	0.0155	0.0155
Maximum	844	33	0.178	0.101	1.64	1.65	12.2	6.19	0.0258	0.0286	0.75	1.875	6.7	5.4	0.05	0.0551	10900	11500	0.73	0.615	0.569	0.363	1.34	0.971	1360	199	2.91	0.269
% of values undetected	2%	13%	27%	18%	0%	6%	0%	0%	94%	96%	92%	92%	88%	85%	100%	96%	0%	0%	10%	21%	10%	0%	0%	3%	0%	2%	67%	74%
# of values between MDL and PQL	0	0	12	9	0	1	0	0	3	2	1	3	4	5	0	1	0	0	1	5	1	1	0	0	0	0	7	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.079	0.077	NA	NA	10.98	10.56276	NA	NA	2.261	2.170	1000	1000	0.385	0.398
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	6%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100B																												
Sample Date																												
04/30/04	1140	1020	52.1	8.73	0.00490		**0.155**	**0.155**	0.560	0.336	477	458	**0.155**	**0.155**	2780	**0.00310**	**0.00310**	1890	1800	**0.0125**	**0.0125**	**0.155**	**0.155**	1.84	0.464	4.40	5.60
05/20/04	1330	1380	9.37	8.80	0.00160		**0.155**	**0.388**	**0.100**	**0.250**	326	382	**0.155**	**0.388**	3940	**0.00310**	**0.00775**	2090	2420	**0.0125**	**0.0313**	**0.155**	**0.388**	0.438	**0.313**	**0.750**	**0.590**
05/21/04																												
06/03/04																												
06/17/04	1480	1440	16.1	16.2	**0.000500**		**0.155**	**0.350**	0.381	0.438	336	333	**0.155**	**0.155**	4040	**0.00310**	0.0255	2230	2180	**0.0125**	**0.0125**	**0.155**	**0.421**	0.450	0.477	3.23	3.04
07/15/04	1820	1960	23.6	19.3	**0.000500**		**0.155**	**0.398**	0.378	0.511	430	449	**0.155**	**0.155**	4780	**0.00310**	**0.00310**	2660	2810	**0.0125**	**0.0125**	**0.155**	**0.155**	0.533	0.532	**0.750**	1.69
08/15/04																												
08/26/04	1690	1760	25.4	27.5	**0.000500**		**0.320**	**0.155**	0.352	0.453	443	460	**0.155**	**0.155**	5390	**0.00310**	**0.00310**	2470	2500	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.341**	0.422	**0.750**	**0.750**
09/16/04	1860	1830	31.1	27.1	**0.000500**		**0.341**	**0.336**	0.354	0.509	422	409	**0.155**	**0.155**	4890	**0.00310**	**0.00310**	2720	2730	**0.0125**	**0.0125**	**0.155**	**0.155**	0.511	**0.354**	**0.750**	**0.750**
10/14/04	1680	1490	13.3	13.0	**0.000500**		**0.320**	**0.334**	0.295		384	344	**0.155**	**0.155**	4880	**0.00310**	**0.00310**	2560	2390	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.375**	**0.372**	**0.750**	1.91
10/15/04																												
01/27/05	1900	1830	12.7	9.48	**0.000500**		0.303	0.308	0.301	0.279	366	345	**0.0775**	**0.0775**	5330	**0.00310**	**0.00310**	3020	2630	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	0.471	**1.14**	
03/15/05	1930	1550	10.7	8.92	**0.000147**		0.234		0.0903	0.161	364	347	**0.0296**	**0.0143**	4060	**0.00144**	**0.00144**	2580	2120	**0.00213**	**0.00213**	0.602	**0.100**	0.578	0.430	**0.500**	1.75
03/22/05																												
05/04/05	1290	1370	19.8	2.88	**0.00271**		0.228	0.245	0.353	0.380	414	422	**0.0352**	**0.0143**	4070	**0.00500**	**0.00144**	1750	1890	**0.00500**	**0.00213**	**0.0302**	**0.0302**	0.696	0.347	2.59	
06/03/05	1670	1750	11.7	10.1	**0.000450**		0.297	0.295	0.379		366	389	**0.0775**	**0.0775**	4470	**0.00310**	**0.00310**	2510	2590	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.491	**0.200**	**0.750**	**0.750**
07/10/05	2070	1990	26.8	13.4	**0.000450**		0.527	0.326	0.411		446	437	**0.0775**	**0.0775**	4840	**0.00310**	**0.00310**	3000	2850	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.926	0.586	2.67	
08/15/05	2080	2290	28.6		**0.00250**		0.301		0.509		492	488	**0.0775**	**0.0775**	4960	**0.00310**	**0.00310**	3100	3380	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.530	**0.100**	2.12	**0.750**
09/14/05	1690	1620	21.1	11.5	**0.000450**		0.425	0.288	0.522		403	396	**0.0775**	**0.0775**	5440	**0.00310**	**0.00310**	2640	2620	**0.00680**	**0.00310**	**0.0888**	**0.0310**	0.494	**0.100**	**0.750**	2.34
10/30/05	1940	1990	22.9	18.8	**0.000450**		0.336		0.451		356	339	**0.0775**	**0.0775**	5580	**0.00310**	**0.00310**	2790	2890	**0.00310**	**0.00310**	**0.0310**	**0.107**	**0.378**	0.510	1.76	**0.835**
02/09/06	1840	1870	11.4	8.41	**0.000475**		0.239	0.231	0.598		389	382	**0.155**	**0.155**	5550	**0.00310**	**0.00310**	2740	2800	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.250**	15.7	1.96
03/14/06	1800	2080	14.7	13.5	**0.000475**		0.802	0.571	0.354		405	444	**0.155**	**0.155**	6140	**0.00310**	**0.00310**	2590	3060	0.0238	0.0326	0.148	**0.0500**	0.944	0.905	3.80	4.26
04/02/06																												
05/19/06	1310	1310	27.3	9.83	**0.00250**		0.204	0.195	0.387	0.571	522	540	**0.155**	**0.155**	1600	**0.00310**	**0.00310**	1890	2060	0.0130	**0.00740**	**0.0155**	**0.0155**	0.506	**0.110**	1.84	
06/17/06	1580	1510	25.6	10.0	**0.00250**		0.246	0.251	0.569		367	346	**0.155**	**0.155**	4080	**0.00310**	**0.00310**	2460	2410	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.582	**0.250**	1.43	1.55
07/24/06	2040	2080	35.1	29.6	**0.00119**		0.369	0.350	0.484	0.652	431	474	**0.155**	**0.155**	2220	**0.00310**	**0.00310**	2810	3070	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.10	1.71
08/15/06	1730	1520	98.8	14.3	**0.00250**		0.226	0.204	0.944	0.683	523	447	**0.155**	**0.155**	3520	**0.00310**	**0.00310**	2610	2450	**0.00500**	**0.00500**	**0.0500**	**0.0500**	2.60	**0.250**	3.78	1.91
09/12/06	1960	1850	20.6	17.3	**0.000475**		0.313	0.320	0.333	0.525	383	369	**0.155**	**0.155**	1910	**0.0150**	**0.00310**	2780	2710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.525**	**0.250**	1.14	1.25
11/02/06	1950	2000	23.0	20.7	**0.000475**		0.322	0.345	0.393	0.435	362	379	**0.155**	**0.155**	5500	**0.00310**	**0.00310**	2700	2750	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
12/12/06	1690	1820	15.2	11.6	**0.000475**		0.266	0.297	0.366	0.411	340	361	**0.155**	**0.155**	5040	**0.00310**	**0.00310**	2400	2590	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.36	
01/12/07	1750	1970	15.3	10.9	**0.000169**		0.316	0.373	0.498		358	379	**0.155**	**0.155**	5360	**0.00310**	**0.00310**	2390	2700	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.817**	1.43	
02/19/07	1910	2030	12.0	9.65	**0.000169**		0.322	0.371	0.285		381	478	**0.155**	**0.155**	5510	**0.00310**	**0.00310**	2750	2950	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.62	3.58
03/13/07	1610	1570	10.3	8.91	**0.000169**		0.336	0.317	0.265		352	342	**0.155**	**0.155**	4850	**0.00310**	**0.00310**	2410	2370	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
04/02/07																												
04/23/07	1350	1310	29.5	20.0	**0.00250**		0.231	0.247	0.390		710	733	**0.155**	**0.155**	3410	**0.00310**	**0.00310**	1930	1940	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.05	**0.384**	1.24	
05/13/07	1760	1640	15.4	12.2	**0.000593**		0.335		0.355		509	476	**0.155**	**0.155**	4250	**0.00310**	**0.00310**	2530	2380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.489**	**0.155**	1.52	
06/19/07	2060	1830	18.8	14.7	**0.000169**		0.370	0.337	0.285	0.251	444	386	**0.155**	**0.155**	4590	**0.00310**	**0.00310**	3020	2670	**0.0146**	**0.00500**	**0.0500**	**0.0500**	**0.550**	**0.479**	**0.500**	**0.500**
07/15/07	2010	1920	30.7	21.6	**0.000458**		0.373	0.356	0.390	0.489	392	390	**0.155**	**0.155**	4690	**0.00310**	**0.00720**	2910	2790	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.534**	**0.155**	**0.500**	**0.500**
08/18/07	2020	1920	34.4	25.9	**0.000169**		0.395	0.359	0.424	0.326	439	416	**0.155**	**0.155**	4630	**0.00310**	**0.00310**	3070	2770	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.414**	**0.373**	2.06	**0.500**
09/18/07	1900	1890	33.1	18.9	**0.00250**		0.363	0.387	0.291	0.345	433	445	**0.155**	**0.155**	5620	**0.00310**	**0.00310**	3090	3050	**0.0124**	**0.00500**	**0.0500**	**0.0500**	**0.539**	**0.346**	2.58	1.84
10/16/07	1740	1980	17.4	14.4	**0.00250**		0.316	0.354	0.297	0.366	320		**0.155**	**0.155**	5740	**0.00310**	**0.00310**	2460	2880	**0.0146**	**0.00500**	**0.0500**	**0.0500**	**0.483**	**0.155**	3.06	**0.500**
11/11/07	1680	1710	15.7	12.4	**0.00250**		0.283	0.298	0.287	0.378	319	331	**0.155**	**0.155**	5110	**0.00310**	**0.00310**	2510	2600	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.392**	**0.155**	**0.500**	
12/11/07	1760	1830	13.5	10.2	**0.000711**		0.276	0.300	0.293	0.315	331	325	**0.155**	**0.155**	5330	**0.00310**	**0.00310**	2580	2710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
01/18/08	1810	1980	13.0	9.72	**0.000750**		0.298	0.343	0.209	0.375	343	416	**0.155**	**0.155**	5850	**0.00310**	**0.00310**	2580	2780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.483**	**0.400**	**0.500**	
02/22/08	1820	1910	16.3	10.8	**0.000750**		0.292	0.327	0.250		379	427	**0.155**	**0.155**	6090	**0.00310**	**0.0158**	2620	2810	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.456**	**0.155**	**0.500**	1.73
03/13/08	1740	1600	14.4	8.38	**0.000750**		0.321	0.286	0.335	0.390	346	315	**0.155**	**0.155**	4710	**0.00310**	**0.00310**	2530	2310	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.464**	**0.155**	**0.500**	**0.500**
03/27/08																												
04/21/08	1890	1880	11.3	8.72	**0.000750**		0.212	0.222	0.404	0.518	374	376	**0.155**	**0.155**	5250	**0.00310**	**0.00310**	2720	2750	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.155**	1.02
05/17/08	1170	1150	25.0	7.92	**0.00304**		0.172	0.179	0.213	0.382	397	403	**0.155**	**0.155**	3160	**0.00310**	**0.00310**	1710	1700	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.623**	**0.369**	1.89	2.24
06/12/08	1420	1630	11.4	9.18	**0.000750**		0.257		**0.100**	0.383	327	371	**0.155**	**0.155**	4760	**0.00310**	**0.00310**	2140	2450	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.424**	**0.355**	**0.500**	**0.500**
07/16/08	2140	1890	22.1	17.0	**0.000750**		0.265		0.318	0.421	425	411	**0.155**	**0.155**	4540	**0.00310**	**0.00310**	2970	2650	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.400**	**0.368**	1.23	1.01
08/21/08	1890	2150	23.3	22.8	**0.000750**		0.276		0.242	0.301	398	472	**0.155**	**0.155**	4980	**0.00310**	**0.00310**	2750	3040	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.37	
09/20/08	1640	1670	22.0	10.9	**0.000750**		0.0946		0.298	0.294	337	342	**0.155**	**0.155**	4520	**0.00310**	**0.00310**	2420	2510	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.398**	**0.155**	**0.500**	1.56
10/20/08	1630	1670	12.8	9.7	**0.00165**		0.273	0.290	0.343	0.395	325	344	**0.155**	**0.155**	5010	**0.00310**	**0.00920**	2560	2570	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.420**	**0.341**	**0.500**	1.80
11/23/08	1930	1930	13.3	10.9	**0.00260**		0.201	0.207	0.345	0.377	415	414	**0.155**	**0.155**	5800	**0.00310**	**0.00310**	2770	2780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.518**	**0.412**	1.21	1.70
12/09/08	1830	1880	21.5	12.0	**0.000750**		0.268	0.280	0.361	0.323	354	358	**0.155**	**0.155**	5320	**0.00310**	**0.00310**	2580	2640	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.311**	**0.155**	1.45	1.14
Mean	1750	1760	21.9	13.8	0.00113	NA	0.293	0.304	0.361	0.401	399	406	0.140	0.144	4670	0.00340	0.00410	2560	2590	0.00690	0.00660	0.0750	0.0730	0.512	0.315	1.70	1.59
Median	1780	1830	19.3	11.6	0.000730	NA	0.295	0.313	0.354	0.382	384	390	0.155	0.155	4870	0.00310	0.00310	2580	2650	0.00500	0.00500	0.0500	0.0500	0.460	0.281	1.18	1.56
St. Deviation	240	270	14.2	6.00	0.00105	NA	0.109	0.0780	0.140	0.113	70	71	0.0340	0.0510	1030	0.00180	0.00390	340	350	0.00440	0.00600	0.0890	0.0790	0.421	0.175	2.30	1.15
# of values	48	48	48	47	48	0	48	40	48	33	48	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	34	
Minimum	1140	1020	9.37	2.88	0.000147	NA	0.0946	0.155	0.0903	0.161	319	315	0.0296	0.0143	1600	0.001435	0.001435	1710	1700	0.00213	0.002125	0.0155	0.0155	0.1	0.1	0.155	0.500	
Maximum	2140	2290	98.8	29.6	0.0049	NA	0.802	0.571	0.944	0.683	710	733	0.155	0.3875	6140	0.015	0.0255	3100	3380	0.0238	0.0326	0.602	0.421	2.6	0.905	15.7	5.60	
% of values undetected	0%	0%	0%	0%	79%		8%	8%	4%	3%	0%	0%	96%	100%	0%	98%	92%	0%	0%	88%	96%	94%	96%	23%	52%	44%	32%	
# of values between MDL and PQL	0	0	0	0	8		3	4	0	0	0	0	2	0	0	1	3	0	0	4	1	1	2	21	13	1	1	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	12.82	12.78	NA	NA	5	4.6	NA	0.2340081	0.199	NA	NA	NA	NA	NA	NA	NA	NA	29.38	28.97	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	4%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT100C																										
Sample Date																										
05/02/04	7.29	0.860	11.91		0.051	5.0	7.10	19.6	70.0	27.5	6.70	**1.57**	21.5	0.308			**0.0155**	**0.0155**		0.712	**0.0500**	1.48	**0.00125**	**0.00125**	**0.0650**	
05/20/04								20.4	60.0	50.0	1.10	**1.57**	26.0	**0.0610**			**0.0155**	**0.0155**		0.682	**0.0500**	2.27	**0.00125**	**0.00125**	**0.0650**	
05/21/04	7.18	6.28	10.75		0.061	93.0	1.80																			
06/03/04													31.5													
08/15/04													34.5													
02/19/07	6.51	0.050	12.26	83.8	0.067	203.5	0.320	32.8	70.0	50.0	**0.800**	**1.57**	36.0	0.125	**0.0155**	0.125	**0.0155**	**0.00155**	**0.05**	0.716	**0.0155**	2.82	**0.00075**	**0.00250**	**0.155**	
03/13/07	6.82	0.150	11.01	75.5	0.069	71.6	0.520	29.9	65.0	50.0	6.32	**1.57**	34.0	0.158	**0.0155**	0.163	**0.0155**	**0.00155**		0.708	**0.0155**	2.67	**0.00075**	**0.00075**	**0.155**	
04/02/07	6.83	0.220	13.10	90.6	0.072	90.9																				
04/23/07	6.03	1.31	9.45	67.0	0.045	147.1	2.61	19.1	45.5	56.3	12.2	**4.00**	20.0	0.185	**0.0155**	0.168	**0.0155**	0.0200	**0.0155**	0.756	**0.0390**	1.67	**0.00075**	**0.00075**	**0.540**	
05/13/07	6.30	4.26	11.28	86.7	0.056	117.2	1.01	25.6	50.0	37.5	3.40	**1.57**	27.0	0.205			**0.0155**	0.0159		0.718	**0.0420**	2.10	**0.00075**	**0.00200**	**0.155**	
06/19/07	7.05	8.76	10.95	94.2	0.070	85.5	1.04	32.9	70.0	45.0	1.70	**1.57**	33.0	0.163			**0.0155**	**0.0050**		0.668	**0.0730**	2.87	**0.00075**	**0.00075**	**0.155**	1.24
07/15/07	7.12	8.49	8.01	68.5	0.071	41.2	0.700	32.9	70.0	42.5	3.40	**1.57**	34.7	**0.0500**			**0.0155**	0.0158		0.594	**0.0500**	2.39	**0.00075**	**0.00075**	**0.155**	1.55
08/18/07	7.28	9.42	8.81	77.2	0.073	39.4	0.530	29.8	75.0	51.3	1.10	**3.50**	35.8	**0.0530**			**0.0750**	**0.0097**		0.489	**0.0155**	2.15	**0.00075**	**0.00075**	**0.155**	1.38
09/18/07	6.97	7.30	9.84	81.7	0.061	61.3	0.880	32.4	70.0	48.8	1.92	**1.57**	31.3	0.142			**0.0155**	**0.00155**		0.594	**0.0330**	2.34	**0.00075**	**0.00075**	**0.155**	1.78
10/16/07	6.29	0.150	11.68	80.4	0.067	190.8	0.870	29.3	60.0	48.8	1.63	**1.57**	31.7	0.228			**0.0155**	0.0147		0.656	**0.0360**	2.64	**0.00075**	**0.00075**	**0.155**	0.987
11/11/07	6.70	0.590	10.06	69.9	0.065	91.1	0.710	27.1	60.0	40.0	1.54	**1.57**	28.8	0.260			**0.0155**	0.0267		0.728	**0.0360**	2.78	**0.00075**	**0.00075**	**0.155**	1.62
12/11/07	7.13	-0.050	11.90	81.4	0.067	123.8	0.790	30.0	64.9	46.3	1.96	**1.57**	30.4	0.341			**0.0155**	0.0178		0.645	**0.0155**	2.55	**0.00075**	**0.00075**	**0.155**	1.28
01/18/08	5.02	0.070	9.17	62.9	0.089	169.9	0.540	32.0	73.7	50.0	3.98	**3.25**	33.1	0.271			**0.0155**	**0.0050**		0.656	**0.0320**	2.74	**0.00075**	**0.00075**	**0.155**	**0.441**
02/22/08	7.00	0.050	7.92	54.2	0.072	103.5	1.06	29.3	79.4	60.0	2.91	**6.20**	35.5	0.111			**0.0155**	0.0165		0.679	**0.0330**	2.63	**0.00075**	**0.00250**	**0.155**	0.517
03/13/08	6.71	0.270	9.84	68.3	0.070	89.7	0.380	29.2	74.6	36.3	4.00	**5.02**	35.5	0.181			**0.0155**	0.0150		0.700	**0.0370**	2.57	**0.0025**	**0.00250**	**0.155**	0.723
03/28/08	6.58	0.010	12.37	84.8	0.082	188.7																				
04/21/08	6.52	1.12	12.55	88.6	0.075	136.1	0.950	31.4	73.9	43.8	0.870	**4.24**	35.3	0.154			**0.0155**	0.0144		0.647	**0.0360**	2.34	**0.00075**	**0.00075**	**0.155**	**0.375**
05/17/08	8.06	4.79	8.05	62.8	0.046	184.7	3.81	17.8	45.0	46.3	9.58	**1.57**	21.8	0.295			0.129	0.0232		0.541	**0.0155**	1.23	**0.0025**	**0.00075**	**0.155**	2.70
06/12/08	4.50	6.70	9.44	77.3	0.055	178.3	0.740	24.3	56.0	43.8	1.31	**1.57**	26.2	0.504			0.132	**0.00155**		0.535	**0.0530**	1.96	**0.0025**	**0.00075**	**0.155**	1.31
07/16/08	7.12	10.23	7.23	64.5	0.067	57.1	0.580	30.5	67.5	46.3	1.61	**1.57**	32.8	**0.0155**			**0.0500**	0.0180		0.428	**0.0380**	1.96	**0.0025**	**0.00250**	**0.155**	1.72
08/21/08	7.73	8.96	8.29	71.6	0.075	46.8	0.700	30.9	72.6	47.5	1.20	**1.57**	37.5	**0.0500**			**0.0155**	0.0102		0.554	**0.0420**	2.31	**0.0025**	**0.00075**	**0.155**	1.44
09/20/08	6.27	6.12	8.66	69.9	0.062	115.6	1.13	22.7	62.1	41.3	4.70	**3.60**	28.8	**0.0925**			**0.0155**	0.0230		0.653	**0.0380**	1.64	**0.00075**	**0.00075**	**0.155**	3.67
10/20/08	7.07	0.730	10.40	72.7	0.068	92.4	0.680	29.5	70.7	40.0	0.707	**1.57**	31.7	0.248			**0.0500**	**0.00155**		0.676	**0.0410**	2.54	**0.00075**	**0.00075**	**0.155**	1.11
11/23/08	6.31	0.020	9.79	67.0	0.076	137.0	0.410	32.1	78.1	57.5	1.01	**4.52**	32.9	0.249			0.105	0.0171		0.634	**0.0155**	2.85	**0.00075**	**0.00075**	**0.155**	0.651
12/09/08	7.00	0.200	10.95	75.3	0.074	81.2	1.73	30.8	76.8	65.0	2.92	**1.57**	33.6	0.222			**0.0374**	0.0176		0.650	**0.0155**	2.68	**0.00075**	**0.00075**	**0.155**	0.610
Mean	6.72	3.20	10.21	75.1	0.067	109.0	1.26	28.1	66.4	46.9	3.14	2.44	31.1	0.187	0.0155	0.152	0.0343	0.0130	0.03	0.641	0.0350	2.33	0.00114	0.00112	0.163	1.32
Median	6.83	0.860	10.06	75.3	0.068	93.0	0.790	29.8	70.0	46.3	1.92	1.57	32.8	0.181	0.0155	0.1630	0.0155	0.0155	0.033	0.656	0.0360	2.39	0.000750	0.00075	0.155	1.28
St. Deviation	0.730	3.70	1.620	9.90	0.010	53.0	1.44	4.70	9.60	7.90	2.88	1.40	4.70	0.111	0	0.0240	0.0365	0.0076	0.02	0.0800	0.0150	0.450	0.000710	0.00067	0.0820	0.810
# of values	27	27	27	25	27	27	25	25	25	25	25	25	27	25	3	3	25	25	2	25	25	25	25	25	25	19
Minimum	4.50	-0.050	7.23	54.2	0.045	5.0	0.32	17.8	45.0	27.5	0.707	1.57	20.0	0.0155	0.0155	0.125	0.0155	0.00155	0.0155	0.428	0.0155	1.23	0.00075	0.00075	0.065	0.375
Maximum	8.06	10.23	13.1	94.2	0.089	203.5	7.10	32.9	79.4	65	12.2	6.20	37.5	0.504	0.0155	0.168	0.132	0.0267	0.050	0.756	0.0730	2.87	0.0025	0.0025	0.540	3.67
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	68%	0%	12%	100%	0%	80%	36%	100%	0%	36%	0%	100%	92%	96%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	8	0	3	0	0	2	1	0	0	16	0	0	2	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	7.06	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100C																												
Sample Date																												
05/02/04	245	28.9	**0.100**	**0.0385**	0.833	0.666	7.04	3.56	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5630	5330	0.393	**0.178**	0.169		0.876	0.580	627.0	237.0	**0.100**	**0.0500**
05/20/04	52.4	**9.75**	**0.100**	**0.250**	0.897	**0.625**	4.35	4.04	**0.00750**	**0.01875**	**0.750**	**1.875**	**1.55**	**1.55**	**0.0155**	**0.0388**	5960	5850	0.229	**0.125**	**0.0587**		0.447	0.628	201.0	67.5	**0.0500**	**0.125**
05/21/04																												
06/03/04																												
08/15/04																												
02/19/07	31.4	3.64	0.0666	0.0818	1.63	1.17	5.17		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10100	10300	**0.0500**	**0.0500**	0.0506	0.0478	0.212		124.0	40.5	**0.0155**	**0.0500**
03/13/07	99.7	3.79	0.0736	0.0796	1.45	1.17	5.14	4.30	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9260	8750	0.372	0.218	0.0808	0.0900	0.316		185.0	50.9	**0.0500**	**0.0500**
04/02/07																												
04/23/07	274	14.9	**0.0426**	**0.0418**	1.14	0.771	6.72	4.59	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5500	5650	0.511	0.330	0.181	0.151	0.624		549.0	188.0	0.143	**0.0510**
05/13/07	75.1	14.2	**0.0488**	0.0614	1.19	1.01	5.58	5.14	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7450	7320	0.372	0.467	0.0740		0.366		291.0	130.0	**0.0500**	**0.0500**
06/19/07	48.5	11.1	0.0712	0.0726	1.38	1.15	6.33	5.36	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9610	8220	0.355	0.287	0.0548	0.0364	0.378	0.301	195.0	98.1	0.136	**0.0500**
07/15/07	59.9	5.90	0.0584	0.0574	1.37	1.11	6.38	5.65	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9610	9250	0.584	0.405	0.0800	0.0448	0.308	0.288	245.0	124.0	**0.0500**	**0.0155**
08/18/07	18.5	5.30	0.0536	0.0566	1.28	1.10	6.26	4.98	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**2.50**	**1.25**	**0.00750**	**0.00750**	8900	8720	**0.161**	0.212	0.0486	0.0384	0.227	0.245	147.0	78.4	**0.0155**	**0.0155**
09/18/07	67.3	14.4	**0.0452**	0.0558	1.25	0.977	6.17	6.09	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9580	9610	0.451	0.354	0.0852	0.0430	0.522	0.410	280.0	126.0	**0.0500**	**0.0500**
10/16/07	45.6	7.51	**0.0430**	**0.0440**	0.994	0.811	5.03	5.49	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8580	9010	0.458	0.419	0.0620	0.0340	0.977	0.339	175.0	91.1	**0.0500**	**0.0500**
11/11/07	35.7	7.62	**0.0436**	0.0516	1.04	0.939	4.42	4.38	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8100	8370	**0.100**	**0.100**	0.0484	0.0350	0.300		152.0	82.7	**0.0500**	**0.0500**
12/11/07	56.2	30.5	**0.0370**	0.0502	0.727	0.591	5.06	5.31	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8810	9460	0.536	0.609	0.0620	0.0456	0.500	0.345	196.0	94.3	**0.0500**	**0.0155**
01/18/08	65.9	5.82	0.0518	0.0594	1.15	0.773	5.67	5.87	**0.0125**	**0.0125**	**0.00750**	**0.0368**	**1.25**	**1.25**	**0.00750**	**0.00750**	9630	9970	0.558	0.544	0.0652	0.0324	0.292	0.390	188.0	62.5	**0.0500**	**0.0500**
02/22/08	60.6	4.06	0.0542	0.0574	1.38	1.11	5.09	4.76	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8760	9280	0.395	0.453	0.0626		0.235		195.0	61.0	**0.0500**	**0.0500**
03/13/08	50.8	4.04	0.0546	0.0536	1.24	1.05	4.66	3.87	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8790	8160	0.219	**0.158**	0.0598	0.0294	0.229		177.0	70.8	**0.0330**	**0.0416**
03/28/08																												
04/21/08	14.2	3.99	**0.0396**	**0.0422**	1.30	1.12	4.93	4.77	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9440	9530	0.451	0.522	0.0351	0.0319	0.237	0.251	132.0	72.6	**0.0155**	**0.0155**
05/17/08	69.6	17.3	**0.0248**	**0.0267**	0.876	0.734	4.89	4.15	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5080	5330	**0.100**	**0.100**	0.101	0.0454	0.363		383.0	217.0	**0.0500**	**0.0500**
06/12/08	37.8	11.8	**0.0169**	**0.0150**	1.07	0.989	4.41	4.01	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7000	6990	0.318	0.297	0.0501	0.0339	0.297	0.388	174.0	94.8	**0.0500**	**0.0155**
07/16/08	28.2	7.58	**0.0075**	**0.0427**	1.31	1.18	5.12	5.07	**0.0125**	**0.0125**	**0.0156**	**0.00750**	**1.25**	**2.58**	**0.00750**	**0.00750**	8610	8700	0.348	0.236	0.0456	0.0379	0.345		172.0	110.0	**0.0155**	**0.0155**
08/21/08	18.4	4.61	**0.0295**	**0.0333**	1.19	0.908	5.56	5.14	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9090	8730	0.274	**0.100**	0.0456	0.0326	0.215		175.0	97.2	**0.0155**	**0.0413**
09/20/08	77.1	16.8	**0.0303**	**0.00750**	0.924	0.700	4.92	4.58	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6580	7090	0.222	0.350	0.0947	0.0428	0.539	0.501	287.0	118.0	**0.0409**	**0.0155**
10/20/08	31.5	6.54	**0.0385**	**0.0386**	1.06	0.926	4.84	4.63	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8540	8340	0.275	0.251	0.0560	0.0402	0.231		175.0	79.8	**0.0155**	**0.0580**
11/23/08	25.2	3.90	**0.0075**	**0.00750**	1.09	0.846	5.66	5.29	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9330	9090	0.242	**0.100**	0.0482	0.0366	0.433	0.255	145.0	50.8	**0.0155**	**0.0155**
12/09/08	86.2	25.6	**0.0075**	**0.00750**	1.40	0.780	5.41	4.42	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8990	8420	0.373	**0.198**	0.0894	0.0356	0.336	0.381	306.0	72.8	**0.0468**	**0.0338**
Mean	67	10.78	0.0459	0.0533	1.17	0.928	5.39	4.81	0.0121	0.0126	0.0672	0.1131	1.32	1.33	0.00810	0.00910	8280	8220	0.334	0.283	0.0723	0.0459	0.392	0.379	235.0	100.6	0.0480	0.0410
Median	52.4	7.58	0.0436	0.0502	1.19	0.939	5.14	4.77	0.0125	0.0125	0.00750	0.007500	1.25	1.25	0.00750	0.00750	8790	8700	0.355	0.251	0.0620	0.0379	0.336	0.363	188.0	91.1	0.0500	0.0500
St. Deviation	62.2	7.93	0.0246	0.0459	0.220	0.188	0.730	0.660	0.00140	0.00160	0.206	0.3959	0.260	0.270	0.00220	0.00640	1470	1440	0.146	0.158	0.0353	0.0271	0.196	0.119	123.0	49.5	0.0340	0.0240
# of values	25	25	25	25	25	25	25	24	25	25	25	25	25	25	25	25	25	25	25	25	25	21	25	14	25	25	25	25
Minimum	14.2	3.64	0.0075	0.00750	0.727	0.591	4.35	3.56	0.0075	0.0075	0.0075	0.0075	1.25	1.25	0.00750	0.00750	5080	5330	0.0500	0.0500	0.0351	0.0294	0.212	0.245	124	40.5	0.0155	0.0155
Maximum	274	30.5	0.1	0.2500	1.63	1.18	7.04	6.09	0.0125	0.01875	0.750	1.875	2.5	2.58	0.0155	0.03875	10100	10300	0.584	0.609	0.181	0.151	0.977	0.628	627	237	0.143	0.125
% of values undetected	0%	4%	20%	20%	0%	4%	0%	0%	100%	100%	96%	96%	96%	96%	100%	100%	0%	0%	12%	24%	0%	0%	0%	0%	0%	0%	80%	80%
# of values between MDL and PQL	0	0	12	8	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	3	1	0	0	0	0	0	3	5
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.080	0.078	NA	NA	10.98	10.56276	NA	NA	2.277	2.186	1000	1000	0.389	0.402
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100C																													
Sample Date																													
05/02/04	1360	1300	33.6	10.7	0.00240		**0.155**	**0.155**	0.394	0.285	436	409	**0.155**	**0.155**	3400	**0.00310**	**0.00310**	1980	2080	**0.0125**	**0.0125**	**0.782**	**0.155**	0.900	0.470	2.23	2.13
05/20/04	1330	1340	9.29	5.64	0.00240		**0.155**	**0.388**	0.233	0.545	338	344	**0.155**	**0.388**	3790	**0.00310**	**0.0168**	2030	2260	**0.0125**	**0.0313**	**0.155**	**0.388**	0.407	**0.313**	**0.750**	**1.88**
05/21/04																													
06/03/04																													
08/15/04																													
02/19/07	1830	1990	9.57	7.08	**0.000357**		0.356	0.351	0.312		397	438	**0.155**	**0.155**	5180	**0.00310**	**0.00310**	2520	2670	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.392**	**0.155**	1.26	
03/13/07	1640	1560	14.4	13.4	**0.000169**		0.380	0.390	0.313		352	340	**0.155**	**0.155**	4630	**0.00310**	**0.00310**	2440	2360	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.155**	**0.500**	
04/02/07																													
04/23/07	1310	1310	29.6	21.4	**0.00250**		0.231	0.246	0.398		745	771	**0.155**	**0.155**	3110	**0.00310**	**0.00310**	1810	1900	**0.00500**	**0.00500**	**0.050**	**0.0500**	1.12	**0.155**	2.63	3.42
05/13/07	1710	1690	13.2	10.7	**0.000939**		0.297	0.309	0.341		508	508	**0.155**	**0.155**	4220	**0.00310**	**0.00310**	2400	2410	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.450**	**0.155**	1.43	
06/19/07	2150	1960	11.5	6.81	**0.000169**		0.392	0.346	0.384	0.285	466	440	**0.155**	**0.155**	4440	**0.00310**	**0.00310**	3110	2800	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.750**	**0.419**	1.81	**0.500**
07/15/07	2170	2090	17.6	9.49	**0.000884**		0.347	0.328	0.405	0.522	399	395	**0.155**	**0.155**	4730	**0.00680**	**0.00310**	3050	2970	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.420**	**0.155**	**0.500**	**0.500**
08/18/07	1840	1940	11.4	7.76	**0.000169**		0.336	0.323	0.343	0.492	391	399	**0.155**	**0.155**	4400	**0.00310**	**0.00310**	2770	2750	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.421**	1.43	**0.500**
09/18/07	2070	2100	18.8	10.0	**0.00250**		0.404	0.422	0.344	0.419	450	472	**0.155**	**0.155**	5870	**0.00310**	**0.00310**	3280	3290	**0.0118**	**0.00500**	**0.050**	**0.0500**	**0.504**	**0.417**	1.83	1.67
10/16/07	1910	2020	13.1	8.70	**0.00250**		0.323		0.374	0.339	356	408	**0.155**	**0.155**	5550	**0.00310**	**0.00310**	2690	2870	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.155**	1.01	**0.500**
11/11/07	1660	1770	12.0	9.69	**0.00250**		0.322	0.351	0.285	0.369	317	341	**0.155**	**0.155**	5190	**0.00310**	**0.00310**	2440	2650	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.155**	1.18	2.05
12/11/07	1950	2060	11.9	7.27	**0.000365**		0.298	0.332	0.275		352	399	**0.155**	**0.155**	5610	**0.00310**	**0.00310**	3340	3030	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.155**	**0.500**	1.57
01/18/08	1930	2060	12.6	6.94	**0.000750**		0.305	0.339	0.275	0.304	369	398	**0.155**	**0.155**	5950	**0.00310**	**0.00310**	2700	2740	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.471**	**0.350**	**0.500**	
02/22/08	1800	1950	12.2	8.04	**0.000750**		0.271	0.285	0.259		366	389	**0.155**	**0.155**	5840	**0.00310**	**0.00310**	2550	2700	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.400**	**0.155**	**0.500**	
03/13/08	1770	1620	10.1	6.13	**0.000750**		0.273	0.273	0.308	0.426	338	321	**0.155**	**0.155**	4600	**0.00310**	**0.00310**	2480	2320	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.479**	**0.155**	**0.500**	**0.500**
03/28/08																													
04/21/08	1910	1970	8.77	7.60	**0.000750**		0.234	0.240	0.332	0.500	372	380	**0.155**	**0.155**	5330	**0.00310**	**0.00310**	2700	2800	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
05/17/08	1230	1300	25.5	11.5	**0.00321**		0.168	0.189	0.211		408	463	**0.155**	**0.155**	3310	**0.00310**	**0.00310**	1740	1840	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.638**	**0.389**	1.05	
06/12/08	1650	1650	11.7	7.57	**0.000750**		0.281	0.296	0.221	0.335	366	371	**0.155**	**0.155**	4650	**0.00310**	**0.00310**	2390	2430	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.380**	**0.155**	1.34	**0.500**
07/16/08	2190	1950	12.9	9.22	**0.000750**		0.263		0.396	0.566	430	415	**0.155**	**0.155**	4410	**0.00310**	**0.00310**	2980	2700	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.390**	1.93	1.54
08/21/08	1990	1940	13.1	9.03	**0.000750**		0.267	0.260	0.267	0.302	401	385	**0.155**	**0.155**	4340	**0.00310**	**0.00310**	2780	2700	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.155**	1.07	1.67
09/20/08	1530	1740	18.3	7.79	**0.000750**		0.210	0.0723	0.276	0.287	323	341	**0.155**	**0.155**	4570	**0.00310**	**0.00310**	2260	2580	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.402**	**0.155**	1.27	1.50
10/20/08	1980	1950	14.0	10.5	**0.000750**		0.326	0.331	0.319	0.452	352	350	**0.155**	**0.155**	5390	**0.00310**	**0.00310**	2730	2670	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.155**	**0.155**	**0.500**	
11/23/08	2130	2080	11.4	8.85	**0.000750**		0.211	0.200	0.348	0.386	423	417	**0.155**	**0.155**	5780	**0.00310**	**0.00310**	2980	2880	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.450**	**0.326**	1.48	1.42
12/09/08	2030	1940	22.2	10.6	**0.00434**		0.250	0.241	0.292	0.344	375	365	**0.155**	**0.155**	5220	**0.00310**	**0.00310**	2780	2650	**0.00500**	**0.00500**	**0.050**	**0.0500**	**0.423**	**0.155**	1.11	1.57
Mean	1800	1810	15.1	9.30	0.00132	NA	0.282	0.290	0.316	0.398	401	410	0.155	0.164	4780	0.00320	0.00360	2600	2600	0.00590	0.00640	0.0830	0.0680	0.399	0.239	1.15	1.33
Median	1840	1940	12.9	8.85	0.000750	NA	0.281	0.309	0.313	0.378	375	398	0.155	0.155	4650	0.00310	0.00310	2690	2670	0.00500	0.00500	0.0500	0.0500	0.402	0.155	1.11	1.52
St. Deviation	280	270	6.40	3.11	0.00112	NA	0.0700	0.0820	0.0570	0.0960	85	88	0	0.0470	820	0.000700	0.00270	420	340	0.00240	0.00540	0.1470	0.0700	0.251	0.118	0.600	0.810
# of values	25	25	25	25	25	0	25	23	25	18	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	18
Minimum	1230	1300	8.77	5.64	0.000169	NA	0.155	0.0723	0.211	0.285	317	321	0.155	0.155	3110	0.00310	0.00310	1740	1840	0.00500	0.00500	0.050	0.0500	0.155	0.155	0.500	0.500
Maximum	2190	2100	33.6	21.4	0.00434	NA	0.404	0.422	0.405	0.566	745	771	0.155	0.3875	5950	0.0068	0.0168	3340	3290	0.0125	0.03125	0.782	0.3875	1.12	0.470	2.63	3.42
% of values undetected	0%	0%	0%	0%	68%		8%	9%	0%	0%	0%	0%	100%	100%	0%	96%	96%	0%	0%	96%	100%	96%	100%	36%	68%	36%	44%	
# of values between MDL and PQL	0	0	0	0	6		0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	13	7	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	12.91	12.87	NA	NA	5	4.6	NA	0.2375079	0.202	NA	NA	NA	NA	NA	NA	NA	NA	29.60	29.18	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field pH pH Units	Field Water Temperature °C	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity mS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Hardness mg/L	Laboratory Specific Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Ammonia[3] mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD[5] mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L
UT100C1																										
Sample Date																										
02/19/07	7.37	0.050	11.03	75.6	0.032	165.6	0.550	32.1	70.0	47.5	1.05	**3.50**	38.0	0.111	**0.0155**	0.111	**0.0155**	0.0160	**0.05**	0.697	**0.0155**	3.15	**0.00075**	**0.00075**	**0.155**	
03/13/07	6.93	0.090	5.39	39.3	0.064	123.7	0.480	29.4	70.0	138.0	**0.412**	**1.57**	32.0	0.144	**0.0155**	0.149	**0.0155**	0.0480		0.721	**0.0155**	2.87	**0.00075**	**0.00075**	**0.155**	
03/15/07	6.85	0.110	9.01	61.8	0.077	154.5																				
04/01/07	7.13	0.070	11.31	77.5	0.077	152.0																				
04/23/07	6.47	0.940	9.07	64.0	0.044	118.5	5.09	18.9	43.0	17.5	24.8	**1.57**	20.0	0.170	**0.0155**	0.143	**0.0385**	0.0360	**0.0155**	0.725	**0.0380**	1.58	**0.00075**	**0.00075**	**0.680**	
05/13/07	6.85	3.87	11.10	84.4	0.053	155.9	1.43	23.4	50.0	25.0	4.90	**1.57**	26.5	0.211			**0.0155**	0.0211		0.710	**0.0410**	2.18	**0.00075**	**0.00075**	**0.155**	
06/19/07	7.30	9.26	10.00	87.1	0.062	145.8	1.42	31.0	70.0	46.3	4.60	**1.57**	32.5	**0.050**			**0.0155**	0.0163		0.635	**0.0700**	3.05	**0.00075**	**0.00075**	**0.155**	1.40
07/15/07	7.32	10.01	8.04	71.3	0.072	107.0	0.870	32.0	70.0	38.8	1.20	**1.57**	35.5	**0.050**			**0.0155**	0.0128		0.543	**0.0490**	2.57	**0.00075**	**0.00075**	**0.155**	1.81
08/18/07	7.02	10.16	8.24	73.2	0.076	63.2	0.760	30.3	75.0	52.5	0.808	**4.00**	36.1	**0.0415**			**0.0845**	**0.0075**		0.455	**0.0155**	2.37	**0.00075**	**0.00075**	**0.155**	1.70
09/18/07	6.79	7.16	9.43	78.1	0.064	111.2	1.20	34.0	70.0	55.0	3.96	**1.57**	31.2	0.142			**0.0155**	**0.0062**		0.579	**0.0320**	2.33	**0.00075**	**0.00075**	**0.155**	1.94
10/16/07	6.98	0.930	12.61	87.2	0.066	36.5	0.950	30.1	70.0	42.5	**0.400**	**1.57**	31.2	0.235			**0.0155**	0.0132		0.643	**0.0330**	2.70	**0.00075**	**0.00075**	**0.155**	1.16
11/12/07	6.50	0.160	12.38	85.2	0.065	189.2	0.780	29.2	65.0	17.5	**0.784**	**1.57**	30.9	0.230			**0.0155**	0.0189		0.712	**0.0390**	2.58	**0.0025**	**0.00075**	**0.155**	1.65
12/11/07	7.90	-0.020	12.40	85.7	0.068	173.4	0.740	28.9	65.4	36.3	1.60	**1.57**	31.4	0.386			**0.0155**	0.0310		0.626	**0.0155**	2.59	**0.00075**	**0.00075**	**0.155**	1.02
01/18/08	6.19	0.110	9.75	67.3	0.076	196.2	0.910	32.0	74.8	42.5	1.37	**4.75**	34.6	1.23			**0.0155**	0.0137		0.648	**0.0320**	3.02	**0.00075**	**0.00075**	**0.155**	0.534
02/22/08	6.39	0.140	8.26	56.8	0.076	253.6	0.910	31.9	82.0	72.5	2.35	**3.50**	36.1	**0.0740**			**0.0581**	0.0347		0.685	**0.0155**	2.92	**0.00075**	**0.00250**	**0.155**	0.649
03/13/08	6.82	0.180	9.34	64.2	0.079	213.4	0.810	28.8	83.4	41.3	1.04	**8.36**	37.9	0.161			**0.0155**	**0.0092**		0.715	**0.0370**	3.03	**0.0025**	**0.00250**	**0.155**	1.02
03/27/08	6.65	0.260	10.30	71.0	0.090	174.4																				
04/21/08	7.34	0.940	12.53	88.1	0.075	133.5	5.70	31.2	79.3	42.5	1.00	**1.57**	36.8	0.160			**0.0155**	0.0126		0.691	**0.0420**	2.77	**0.0020**	**0.00075**	**0.155**	0.672
05/17/08	6.11	0.590	9.85	68.6	0.043	158.0	6.90	19.6	43.6	45.0	7.33	**1.57**	21.1	0.309			0.219	0.0142		0.582	**0.0155**	1.16	**0.0025**	**0.00075**	**0.155**	3.14
Mean	6.89	2.37	10.0	73.0	0.066	148.7	1.84	28.9	67.6	47.5	3.60	2.59	32.0	0.232	0.0155	0.134	0.0366	0.0195	0.03	0.648	0.0320	2.55	0.00116	0.00097	0.188	1.39
Median	6.85	0.260	9.85	73.2	0.068	154.5	0.910	30.2	70.0	42.5	1.29	1.57	32.3	0.161	0.0155	0.143	0.0155	0.0151	0.033	0.667	0.0330	2.65	0.00075	0.00075	0.155	1.28
St. Deviation	0.450	3.74	1.87	12.6	0.014	50.4	2.06	4.40	12.2	27.7	5.99	1.88	5.40	0.283	0	0.0200	0.0525	0.0118	0.02	0.0760	0.0160	0.550	0.00074	0.00060	0.131	0.730
# of values	19	19	19	19	19	19	16	16	16	16	16	16	16	16	3	3	16	16	2	16	16	16	16	16	16	12
Minimum	6.11	-0.02	5.39	39.3	0.032	36.5	0.480	18.9	43.0	17.5	0.400	1.57	20.0	0.0415	0.0155	0.111	0.0155	0.0062	0.0155	0.455	0.0155	1.16	0.00075	0.00075	0.155	0.534
Maximum	7.90	10.16	12.61	88.1	0.09	253.6	6.90	34.0	83.4	138	24.8	8.36	38.0	1.23	0.0155	0.149	0.219	0.0480	0.050	0.725	0.0700	3.15	0.0025	0.0025	0.68	3.14
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	69%	0%	13%	100%	0%	75%	0%	100%	0%	38%	0%	94%	100%	94%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	5	0	2	0	0	3	3	0	0	10	0	1	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.88	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	21%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
UT100C2																										
Sample Date																										
02/21/07								37.4	85.0	31.3	**0.469**	**1.57**	48.0	0.201	**0.0155**	0.190	**0.0339**	**0.00155**	**0.05**	0.707	**0.0310**	3.92	**0.00075**	**0.00075**	**0.155**	
02/22/07	7.41	0.050	9.20	63.2	0.087	518.6	0.770																			
03/14/07	8.07	0.050	3.64	26.4	0.064	53.4	0.890	31.4	85.0	65.0	2.59	**3.50**	42.0	0.331	**0.0155**	0.327	**0.0155**	0.0190	**0.05**	0.729	**0.0155**	3.70	**0.00075**	**0.00075**	**0.155**	
04/01/07	6.75	0.020	9.40	67.0	0.082	109.8																				
04/23/07	6.09	0.070	9.25	63.4	0.043	138.7	7.23	18.2	42.5	62.5	24.0	**1.57**	20.0	**0.0995**	**0.0155**	**0.0815**	**0.0155**	0.0390	**0.05**	0.698	**0.0380**	1.49	**0.00075**	**0.00075**	**0.640**	
05/13/07	6.68	3.66	11.05	83.6	0.060	180.5	1.81	23.7	50.0	42.5	6.87	**1.57**	27.5	0.172			**0.0155**	0.0314		0.687	**0.0410**	2.10	**0.00075**	**0.00075**	**0.155**	
06/19/07	7.54	12.34	9.56	90.6	0.072	106.1	2.22	29.7	70.0	51.3	5.20	**1.57**	35.0	**0.0500**			**0.0500**	0.0198		0.605	**0.0720**	3.28	**0.00075**	**0.00075**	**0.155**	1.68
07/15/07	7.62	9.54	9.10	81.5	0.077	131.0	0.850	31.4	75.0	52.5	1.40	**1.57**	36.5	**0.0500**			**0.0155**	0.0159		0.506	**0.0500**	2.69	**0.00075**	**0.00075**	**0.155**	2.04
08/18/07	7.98	9.44	8.41	73.5	0.081	32.0	0.870	31.2	80.0	56.3	0.989	**4.00**	39.2	**0.0720**			**0.0713**	0.0121		0.429	**0.0155**	2.48	**0.00075**	**0.00075**	**0.155**	2.13
09/19/07	6.54	7.20	8.38	69.4	0.054	113.7	3.10	24.0	55.0	32.5	11.1	**3.50**	24.5	**0.0895**			**0.0155**	0.0397		0.820	**0.0340**	1.63	**0.00075**	**0.00075**	**0.500**	5.84
10/16/07	6.30	0.190	11.90	81.9	0.073	183.0	0.990	33.1	70.0	55.0	1.02	**1.57**	33.4	0.195			**0.0155**	0.0169		0.623	**0.0360**	2.83	**0.00075**	**0.00075**	**0.155**	1.19
11/12/07	6.29	0.060	10.10	69.3	0.070	58.9	0.720	30.7	70.0	45.0	1.63	**1.57**	32.8	0.216			**0.0155**	0.0200		0.793	**0.0390**	3.12	**0.00075**	**0.00075**	**0.155**	1.97
12/11/07	6.69	-0.060	11.52	78.7	0.078	149.0	0.580	31.9	75.8	45.0	1.00	**1.57**	33.0	0.202			**0.0155**	0.0139		0.626	**0.0155**	2.73	**0.00075**	**0.00075**	**0.155**	1.27
01/18/08	7.33	0.010	9.51	65.1	0.079	41.1	1.08	34.9	84.6	41.3	1.74	**4.50**	37.6	1.21			**0.0155**	0.0169		0.620	**0.0155**	3.44	**0.00075**	**0.00075**	**0.155**	1.07
02/23/08	6.81	0.050	9.48	64.9	0.082	119.9	0.980	35.2	90.6	52.5	1.65	**6.48**	40.9	**0.0935**			**0.0155**	0.0410		0.705	**0.0370**	3.28	**0.00075**	**0.00075**	**0.155**	0.812
03/13/08	7.07	0.020	9.12	62.5	0.083	75.2	0.910	31.1	85.4	11.3	**0.889**	**6.94**	40.9	0.168			**0.0155**	0.0109		0.706	**0.0350**	3.28	**0.0025**	**0.00250**	**0.155**	0.905
03/27/08	7.15	0.060	10.93	75.0	0.096	85.8																				
04/21/08	6.96	-0.040	12.77	87.8	0.081	175.8	1.62	34.3	84.5	51.3	2.00	**3.14**	40.1	0.169			**0.0155**	0.0182		0.680	**0.0370**	2.97	**0.0020**	**0.00075**	**0.155**	0.851
05/17/08	6.59	3.01	9.33	69.5	0.045	133.8	4.69	18.2	44.7	43.8	8.13	**1.57**	21.7	0.510			0.157	0.0485		0.548	**0.0155**	1.19	**0.0025**	**0.00075**	**0.155**	3.13
06/12/08	6.51	5.78	9.64	77.0	0.054	168.2																				
Mean	6.97	3.00	9.60	71.1	0.072	135.5	1.83	29.8	71.8	46.2	4.42	2.89	34.6	0.239	0.0155	0.200	0.0311	0.0228	0.05	0.655	0.0330	2.76	0.00105	0.00086	0.207	1.91
Median	6.81	0.060	9.48	69.5	0.077	119.9	0.990	31.3	75.4	48.2	1.70	1.57	35.8	0.171	0.0155	0.190	0.0155	0.0186	0.050	0.684	0.0360	2.90	0.00075	0.00075	0.155	1.48
St. Deviation	0.570	4.00	1.90	13.8	0.015	104.0	1.80	5.80	15.6	13.2	6.07	1.82	7.80	0.284	0	0.123	0.0372	0.0131	0	0.101	0.0150	0.800	0.00065	0.00044	0.144	1.42
# of values	19	19	19	19	19	19	16	16	16	16	16	16	16	16	3	3	16	16	3	16	16	16	16	16	16	12
Minimum	6.09	-0.06	3.64	26.4	0.043	32	0.58	18.2	42.5	11.3	0.469	1.57	20.0	0.0500	0.0155	0.0815	0.0155	0.00155	0.0500	0.429	0.0155	1.19	0.00075	0.00075	0.155	0.812
Maximum	8.07	12.34	12.77	90.6	0.096	518.6	7.23	37.4	90.6	65	24.0	6.94	48.0	1.21	0.0155	0.327	0.157	0.0485	0.0500	0.820	0.0720	3.92	0.0025	0.0025	0.640	5.84
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	56%	0%	13%	100%	0%	81%	6%	100%	0%	31%	0%	94%	100%	94%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	7	0	4	0	1	2	0	0	0	11	0	1	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.83	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	16%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100C1																												
Sample Date																												
02/19/07	22.1	3.78	**0.0250**	0.0548	0.899	**0.155**	6.16	6.34	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9240	10100	**0.100**		0.0568	0.0420	0.282	0.307	146.0	43.7	0.315	**0.0500**
03/13/07	18.2	2.86	0.0546	0.0660	0.888	0.839	5.09	5.14	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8630	8620	0.207	**0.100**	0.0450	0.0562	0.570		96.0	31.1	0.368	
03/15/07																												
04/01/07																												
04/23/07	524	16.1	**0.0320**	**0.0300**	1.24	0.611	9.94	4.98	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5210	5000	0.783	0.353	0.348	0.154	0.852		985.0	218.0	0.233	**0.0466**
05/13/07	125	13.0	**0.0358**	**0.0478**	0.917	0.619	6.07	5.23	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6540	7000	0.468	0.435	0.0998	0.0988	0.414		365.0	163.0	**0.0500**	**0.0500**
06/19/07	109	14.7	0.0502	0.0574	1.05	0.891	7.07	6.64	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8760	9000	0.358	0.204	0.0876	0.0522	0.452	0.343	304.0	145.0	0.136	**0.0500**
07/15/07	38.1	7.56	**0.0250**	**0.0250**	0.868	0.745	6.21	5.82	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8990	8720	0.367	0.326	0.0684	0.0528	0.319	0.306	258.0	152.0	**0.0500**	**0.0155**
08/18/07	31.7	6.28	**0.0342**	**0.0392**	0.924	0.784	5.58	5.69	**0.0125**	**0.0125**	**0.02500**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8580	9150	0.246	0.201	0.0580	0.0450	0.477	0.277	208.0	123.0	**0.0500**	**0.0155**
09/18/07	80.1	10.3	**0.0364**	**0.0406**	1.08	0.727	6.99	6.07	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9780	9190	0.503	0.323	0.106	0.0464	0.392	0.387	361.0	123.0	**0.0500**	**0.0155**
10/16/07	44.0	7.56	**0.0354**	**0.0404**	0.561	0.562	5.63	5.64	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8600	9130	0.390	0.431	0.0710	0.0474	0.297	0.273	206.0	107.0	**0.0500**	**0.0155**
11/12/07	19.4	8.95	**0.0328**	**0.0336**	0.626	0.525	4.85	4.73	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8320	8460	0.365	0.298	0.0544	0.0440	0.433	0.299	172.0	113.0	**0.0500**	**0.0500**
12/11/07	46.5	7.86	**0.0236**	**0.0338**	**0.459**	**0.311**	5.13	5.29	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8300	8920	0.420	0.437	0.0594	0.0474	0.224	0.250	206.0	99.8	**0.0500**	**0.0155**
01/18/08	38.5	4.60	**0.0342**	**0.0368**	0.771	**0.467**	5.71	5.65	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9320	9600	0.518	0.390	0.0592	0.0420	0.631	0.244	186.0	65.4	0.279	**0.0155**
02/22/08	27.3	6.09	**0.0250**	**0.0250**	0.993	0.697	5.41	4.88	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9170	8640	0.385	0.416	0.0484	0.0358	0.227		180.0	90.2	**0.0155**	**0.0500**
03/13/08	29.7	3.93	**0.0326**	**0.0362**	0.616	0.528	4.67	4.60	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8270	8580	**0.168**	**0.123**	0.0460	0.0340	0.220		174.0	95.7	**0.0155**	**0.0352**
03/27/08																												
04/21/08	25.6	5.45	**0.0075**	**0.0161**	0.687	0.545	5.01	5.01	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8820	9160	0.330	0.402	0.0428	0.0331	0.346		174.0	93.5	**0.0155**	**0.0500**
05/17/08	161	20.9	**0.0075**	**0.00750**	0.994	0.549	6.21	4.60	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0250**	5500	5260	0.408	0.206	0.167	0.0521	0.471		611.0	297.0	**0.0500**	**0.0500**
Mean	83.8	8.75	0.0307	0.0369	0.848	0.597	5.98	5.39	0.0125	0.0125	0.00860	0.00750	1.25	1.25	0.00750	0.00860	8250	8410	0.376	0.310	0.0886	0.0552	0.413	0.298	290.0	123.0	0.111	0.0350
Median	38.3	7.56	0.0327	0.0365	0.894	0.587	5.67	5.26	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.00750	0.00750	8620	8820	0.376	0.326	0.0593	0.0469	0.403	0.299	206.0	110.0	0.0500	0.0466
St. Deviation	124.8	5.07	0.0124	0.0150	0.212	0.190	1.27	0.620	0	0	0.00440	0	0	0	0	0.00440	1330	1430	0.159	0.116	0.0761	0.0303	0.169	0.0450	222.0	65.0	0.118	0.0169
# of values	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	16	16	16	9	16	16	16	15
Minimum	18.2	2.86	0.0075	0.0075	0.459	0.155	4.67	4.6	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.00750	0.00750	5210	5000	0.100	0.100	0.0428	0.0331	0.220	0.244	96	31.1	0.0155	0.0155
Maximum	524	20.9	0.0546	0.066	1.24	0.891	9.94	6.64	0.0125	0.0125	0.02500	0.00750	1.25	1.25	0.00750	0.02500	9780	10100	0.783	0.437	0.348	0.154	0.852	0.387	985	297	0.368	0.0500
% of values undetected	0%	0%	31%	19%	0%	6%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	6%	7%	0%	0%	0%	0%	0%	0%	69%	87%
# of values between MDL and PQL	0	0	9	10	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.080	0.078	NA	NA	10.98	10.56276	NA	NA	2.300	2.208	1000	1000	0.395	0.407
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
UT100C2																												
Sample Date																												
02/21/07	29.1	2.72	**0.0250**	**0.0250**	**0.457**	**0.155**	6.59	5.97	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10500	10500	**0.100**	**0.0500**	0.0932	0.0730	16.1	0.225	235.0	48.2	3.71	**0.0155**
02/22/07																												
03/14/07	34.4	3.47	**0.0250**	**0.0250**	**0.250**	**0.155**	6.16	6.24	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0154**	8590	9780	0.348	**0.0500**	0.0696		0.348		161.0	66.6	4.17	
04/01/07																												
04/23/07	516	17.2	**0.0368**	**0.0246**	0.986	0.543	10.3	5.55	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	4900	4900	0.776	0.323	0.375	0.149	0.938		1040.0	257.0	0.227	**0.0706**
05/13/07	128	15.6	**0.0316**	**0.0462**	1.01	0.777	6.50	5.94	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6520	7170	0.492	0.493	0.112	0.0934	0.436		409.0	214.0	**0.0500**	**0.0500**
06/19/07	120	22.4	**0.0250**	**0.0250**	0.908	0.552	6.66	5.64	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7990	7690	0.379		0.0926	0.0548	0.434	0.321	340.0	193.0	0.346	**0.0155**
07/15/07	37.4	8.77	**0.0250**	**0.0250**	0.879	0.687	6.17	5.84	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8590	8540	0.242	0.221	0.0856	0.0652	0.298		344.0	202.0	**0.0500**	**0.0500**
08/18/07	17.7	6.55	**0.0260**	**0.0318**	0.765	0.800	6.15	5.89	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8740	8570	**0.188**	**0.163**	0.0616	0.0472	0.286	0.313	293.0	171.0	**0.0155**	**0.0155**
09/19/07	592	37.2	**0.0214**	**0.0276**	0.893	0.581	12.2	6.80	**0.0286**	**0.0125**	**0.0250**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6670	7150	0.795	0.378	0.479	0.0956	1.06	0.560	1160.0	244.0	0.237	**0.0500**
10/16/07	36.3	8.50	**0.0312**	**0.0296**	**0.346**	**0.407**	5.96	5.59	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9320	8990	0.989	0.467	0.0800	0.0618	0.343	0.311	223.0	131.0	**0.0500**	**0.0500**
11/12/07	31.8	10.1	**0.0244**	**0.0245**	**0.496**	**0.479**	5.26	5.52	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8310	8600	0.317	0.488	0.0690	0.0650	0.284	0.340	210.0	151.0	**0.0155**	**0.0155**
12/11/07	30.8	8.14	**0.0226**	**0.0196**	**0.379**	**0.155**	5.27	5.08	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8900	9040	0.402	0.488	0.0654	0.0620	0.217		210.0	124.0	**0.0155**	**0.0155**
01/18/08	26.4	6.37	**0.0264**	**0.0392**	0.513	**0.377**	6.15	7.05	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0180**	9800	10600	0.471	0.578	0.0684	0.0590	0.298		211.0	92.1	**0.0500**	**0.0500**
02/23/08	23.0	6.32	**0.0250**	**0.0250**	0.750	0.562	5.95	5.58	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9740	9850	0.415	0.470	0.0602	0.0506	0.245		218.0	120.0	**0.0155**	**0.0500**
03/13/08	21.9	4.55	**0.0284**	**0.0404**	0.659	**0.473**	5.02	5.97	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8690	9390	**0.155**	**0.136**	0.0586		0.223	0.285	207.0	120.0	**0.0155**	**0.0155**
03/27/08																												
04/21/08	55.5	5.26	**0.0075**	**0.00750**	0.865	**0.444**	6.20	5.61	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9510	9350	0.420	0.405	0.0836	0.0592	0.378		301.0	128.0	**0.0500**	**0.0500**
05/17/08	176	31.6	**0.0192**	**0.0206**	1.02	0.678	6.89	4.92	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5020	4950	0.342	**0.100**	0.192	0.0736	0.487		680.0	296.0	0.105	**0.0500**
06/12/08																												
Mean	117.3	12.17	0.0250	0.0273	0.699	0.489	6.71	5.82	0.0135	0.0125	0.00860	0.00750	1.25	1.25	0.00750	0.00870	8240	8440	0.427	0.321	0.128	0.0721	1.40	0.336	390.0	160.0	0.570	0.0380
Median	35.4	8.32	0.0250	0.0250	0.758	0.511	6.17	5.74	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.00750	0.00750	8640	8800	0.391	0.378	0.0818	0.0635	0.346	0.313	264.0	141.0	0.0500	0.0500
St. Deviation	177.1	10.2	0.0063	0.00910	0.258	0.205	1.88	0.540	0.00400	0	0.00440	0	0	0	0	0.00320	1650	1710	0.242	0.183	0.123	0.0262	3.93	0.105	304.0	70.0	1.32	0.0190
# of values	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	16	14	16	7	16	16	16	15
Minimum	17.7	2.72	0.0075	0.0075	0.250	0.155	5.02	4.92	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.00750	0.00750	4900	4900	0.100	0.050	0.0586	0.0472	0.217	0.225	161	48.2	0.0155	0.0155
Maximum	592	37.2	0.0368	0.0462	1.02	0.800	12.2	7.05	0.0286	0.0125	0.02500	0.00750	1.25	1.25	0.00750	0.01800	10500	10600	0.989	0.578	0.479	0.149	16.1	0.56	1160	296	4.17	0.0706
% of values undetected	0%	0%	38%	38%	6%	19%	0%	0%	94%	100%	100%	100%	100%	100%	100%	88%	0%	0%	6%	20%	0%	0%	0%	0%	0%	0%	63%	93%
# of values between MDL and PQL	0	0	10	10	4	5	0	0	1	0	0	0	0	0	0	2	0	0	2	2	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.077	0.075	NA	NA	10.98	10.56276	NA	NA	2.176	2.088	1000	1000	0.364	0.378
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	13%	0%	13%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100C1																												
Sample Date																												
02/19/07	2180	2640	13.2	10.7	**0.000453**		0.288	0.310	0.324	0.346	398		**0.155**	**0.155**	5930	**0.00310**	**0.00310**	2780	3380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.53	
03/13/07	1900	1870	11.5	10.9	**0.000169**		0.275	0.277	0.276		364	372	**0.155**	**0.155**	4890	**0.00310**	**0.00310**	2630	2820	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.05	
03/15/07																												
04/01/07																												
04/23/07	1430	1340	62.1	29.7	**0.00250**		0.204	0.197	0.607		807	801	**0.155**	**0.155**	2820	**0.00310**	**0.00310**	1840	1840	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.73	**0.155**	2.03	
05/13/07	1720	1830	17.5	14.2	**0.00116**		0.282	0.308	0.348		483	519	**0.155**	**0.155**	4220	**0.00310**	**0.00310**	2290	2460	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.524**	**0.155**	1.63	
06/19/07	2210	2410	19.9	13.5	**0.000169**		0.354	0.393	0.396	0.348	439	492	**0.155**	**0.155**	5060	**0.00310**	**0.00310**	3110	3350	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.922**	**0.499**	1.24	1.50
07/15/07	2320	2260	17.8	12.6	**0.000549**		0.326	0.334	0.378	0.414	399	401	**0.155**	**0.155**	4630	**0.00310**	**0.00310**	3170	3090	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.373**	**0.155**	1.38	**0.500**
08/18/07	2160	2270	15.3	11.7	**0.00250**		0.322	0.347	0.290	0.405	400	447	**0.155**	**0.155**	4700	**0.00310**	**0.00310**	2950	3140	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.409**	**0.314**	**0.500**	1.06
09/18/07	2320	2180	26.3	12.8	**0.00250**		0.418	0.411	0.359	0.393	457	449	**0.155**	**0.155**	5720	**0.00310**	**0.00310**	3510	3350	**0.0160**	**0.00500**	**0.0500**	**0.0500**	**0.571**	**0.155**	2.13	1.96
10/16/07	2100	2180	19.5	14.7	**0.00250**		0.327	0.353	0.307	0.421	354	412	**0.155**	**0.155**	5810	**0.00310**	**0.00310**	2860	3040	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.04	**0.500**
11/12/07	2030	2090	16.5	15.6	**0.00250**		0.279	0.307	0.268	0.262	337	347	**0.155**	**0.155**	5640	**0.00310**	**0.00310**	2930	2960	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.54
12/11/07	1980	2230	14.1	10.7	**0.000623**		0.264	0.282	0.281	0.462	336	398	**0.155**	**0.155**	5500	**0.00310**	**0.00310**	2800	3050	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.93	1.07
01/18/08	2130	2250	16.9	13.4	**0.000750**		0.281	0.286	0.247	0.298	372	400	**0.155**	**0.155**	5960	**0.00310**	**0.00310**	2790	2860	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.353**	**0.155**	**0.500**	1.64
02/22/08	2180	2060	14.0	10.6	**0.000750**		0.268	0.257	0.254		403	404	**0.155**	**0.155**	5560	**0.00310**	**0.00310**	2890	2760	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
03/13/08	1980	2070	12.4	10.0	**0.000750**		0.251	0.261	0.307		342	362	**0.155**	**0.155**	5110	**0.00310**	**0.00310**	2580	2740	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
03/27/08																												
04/21/08	2220	2340	12.2	10.1	**0.000750**		0.168	0.180	0.346	0.544	384	409	**0.155**	**0.155**	5590	**0.00310**	**0.00310**	2940	3110	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.09	
05/17/08	1420	1380	36.6	10.2	**0.00339**		0.0891	0.0966	0.313	0.506	497	521	**0.155**	**0.155**	3350	**0.00310**	**0.00310**	1870	1940	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.815**	**0.155**	1.49	
Mean	2020	2090	20.4	13.2	0.00138	NA	0.275	0.287	0.331	0.400	423	449	0.155	0.155	5030	0.00310	0.00310	2750	2870	0.00570	0.00500	0.050	0.0500	0.434	0.186	1.25	1.14
Median	2120	2180	16.7	12.2	0.000750	NA	0.280	0.297	0.310	0.405	399	409	0.155	0.155	5310	0.00310	0.00310	2830	3000	0.00500	0.00500	0.050	0.0500	0.254	0.155	1.31	1.07
St. Deviation	280	340	12.8	4.70	0.00106	NA	0.0760	0.0800	0.0850	0.0850	114	111	0	0	920	0	0	440	450	0.00270	0	0	0	0.426	0.0920	0.610	0.550
# of values	16	16	16	16	16	0	16	16	16	11	16	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	9
Minimum	1420	1340	11.5	10	0.000169	NA	0.0891	0.0966	0.247	0.262	336	347	0.155	0.155	2820	0.00310	0.00310	1840	1840	0.005	0.0050	0.0500	0.0500	0.155	0.155	0.500	0.500
Maximum	2320	2640	62.1	29.7	0.00339	NA	0.418	0.411	0.607	0.544	807	801	0.155	0.155	5960	0.00310	0.00310	3510	3380	0.016	0.0050	0.0500	0.0500	1.73	0.499	2.13	1.96
% of values undetected	0%	0%	0%	0%	69%		0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	94%	100%	100%	100%	50%	88%	31%	33%
# of values between MDL and PQL	0	0	0	0	5		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	7	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	13.04	13.00	NA	NA	5	4.6	NA	0.2423154	0.206	NA	NA	NA	NA	NA	NA	NA	NA	29.89	29.47
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	6%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
UT100C2																												
Sample Date																												
02/21/07	2710	2540	24.1	20.9	**0.000169**		0.295	0.290	0.672	0.678	482	486	**0.155**	**0.155**	5640	**0.00310**	**0.00310**	3100	2910	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	10.6	1.47
02/22/07																												
03/14/07	2420	2500	24.2	27.3	**0.000169**		0.219	0.230	0.277		404	443	**0.155**	**0.155**	5560	**0.00310**	**0.00310**	3270	3050	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.25	
04/01/07																												
04/23/07	1460	1430	67.5	39.3	**0.00250**		0.171	0.158	0.615		842	853	**0.155**	**0.155**	2780	**0.00310**	**0.00310**	1760	1840	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.79	**0.155**	2.15	2.95
05/13/07	1800	2010	24.3	21.6	**0.00102**		0.210	0.255	0.361		516	570	**0.155**	**0.155**	4370	**0.00310**	**0.00310**	2270	2580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.658**	**0.155**	1.96	2.21
06/19/07	2370	2440	21.6	17.5	**0.000516**		0.267	0.281	0.313	0.302	429	433	**0.155**	**0.155**	4730	**0.00310**	**0.00310**	3150	3170	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.905**	**0.429**	**0.500**	**0.500**
07/15/07	2410	2400	23.8	18.5	**0.000169**		0.277	0.277	0.548	0.473	348	359	**0.155**	**0.155**	4760	**0.00310**	**0.00310**	3170	3180	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.390**	**0.155**	**0.500**	1.28
08/18/07	2290	2340	17.7	14.8	**0.00250**		0.268	0.272	0.392	0.426	396	401	**0.155**	**0.155**	4600	**0.00310**	**0.00310**	3030	3030	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.334**	1.80	1.35
09/19/07	1790	1890	74.2	20.6	**0.00250**		0.183	0.206	0.702	0.443	528	567	**0.155**	**0.155**	4840	**0.00310**	**0.00310**	2850	3160	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.82	**0.378**	4.77	3.21
10/16/07	2370	2450	24.0	20.1	**0.00250**		0.271	0.286	0.350	0.402	392	399	**0.155**	**0.155**	6130	**0.00310**	**0.00310**	3050	3140	**0.00500**	**0.0142**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.19	1.04
11/12/07	2430	2320	22.7	23.0	**0.00250**		0.221	0.237	0.258	0.422	363	358	**0.155**	**0.155**	5780	**0.00310**	**0.00310**	3190	3030	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
12/11/07	2340	2440	19.4	19.3	**0.000610**		0.222	0.235	0.287	0.337	368	374	**0.155**	**0.155**	5790	**0.00310**	**0.00310**	3080	3220	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
01/18/08	2540	2760	25.3	23.3	**0.000750**		0.262	0.282	0.283	0.391	417	483	**0.155**	**0.155**	6350	**0.00310**	**0.00310**	3030	3230	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.05	
02/23/08	2640	2650	25.1	21.6	**0.000750**		0.245	0.252	0.296	0.469	455	468	**0.155**	**0.155**	6490	**0.00310**	**0.00310**	3140	3150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.41
03/13/08	2280	2390	24.2	21.7	**0.000750**		0.232	0.264	0.318	0.379	382	435	**0.155**	**0.155**	5290	**0.00310**	**0.00310**	2750	2900	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
03/27/08																												
04/21/08	2570	2560	31.8	25.9	**0.000750**		0.147	0.152	0.380	0.553	441	455	**0.155**	**0.155**	5740	**0.00310**	**0.00310**	3410	3380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.63
05/17/08	1380	1350	45.6	23.8	**0.00346**		0.140	0.132	0.324	0.425	458	463	**0.155**	**0.155**	3140	**0.00310**	**0.00310**	1810	1860	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.887**	**0.336**	1.79	
06/12/08																												
Mean	2240	2280	31.0	22.5	0.00135	NA	0.227	0.238	0.399	0.438	451	472	0.155	0.155	5120	0.00310	0.00310	2880	2930	0.00500	0.00560	0.0500	0.0500	0.500	0.209	2.10	1.71
Median	2370	2420	24.2	21.6	0.000750	NA	0.227	0.254	0.337	0.425	423	449	0.155	0.155	5430	0.00310	0.00310	3070	3100	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.40	1.44
St. Deviation	410	410	16.8	5.40	0.00110	NA	0.0470	0.0510	0.148	0.0950	117	119	0	0	1060	0	0	500	460	0	0.00230	0	0	0.574	0.0980	2.60	0.840
# of values	16	16	16	16	16	0	16	16	16	13	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	10
Minimum	1380	1350	17.7	14.8	0.000169	NA	0.140	0.132	0.258	0.302	348	358	0.155	0.155	2780	0.00310	0.00310	1760	1840	0.005	0.005	0.05	0.05	0.155	0.155	0.500	0.500
Maximum	2710	2760	74.2	39.3	0.00346	NA	0.295	0.290	0.702	0.678	842	853	0.155	0.155	6490	0.00310	0.00310	3410	3380	0.005	0.0142	0.05	0.05	1.82	0.429	10.6	3.21
% of values undetected	0%	0%	0%	0%	75%		0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	94%	100%	100%	63%	75%	44%	10%
# of values between MDL and PQL	0	0	0	0	4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	12.34	12.30	NA	NA	5	4.6	NA	0.2166321	0.184	NA	NA	NA	NA	NA	NA	NA	NA	28.29	27.89
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	13%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT100D																										
Sample Date																										
04/30/04	7.04	1.07	11.68		0.044	84.0	7.00	16.8	42.0	38.8	9.33	**1.57**	18.0	0.183			**0.0155**	**0.0155**		0.624	**0.0500**	1.60	**0.00260**	**0.00300**	**0.0650**	
05/20/04								27.0	70.0	60.0	2.60	**1.57**	31.0	**0.0560**			**0.0155**	**0.0155**		0.616	0.102	4.25	**0.00125**	**0.00125**	**0.0650**	
05/21/04	7.26	4.71	11.12		0.073	93.0	3.10																			
06/03/04													41.5													
06/17/04	7.32	7.73	10.84		0.095	259.0	11.0	34.6	90.0	45.0	12.6	**1.57**	41.0				**0.0155**	**0.0326**		0.534	**0.0850**	5.88	0.00550	0.00660	**0.0650**	
07/15/04	7.51	13.1	11.60		0.115	35.0	1.80	42.6	100.0	73.8	2.40	**1.57**	49.0	**0.310**			**0.0155**	**0.0391**		0.614	**0.0500**	7.00	**0.00125**	**0.00125**	**0.0650**	
08/16/04													50.5													
08/25/04	7.76	13.61	11.69		0.120	272.0		45.2	120.0	71.3	**0.40**	**1.57**	52.0	**0.155**			**0.0155**	**0.0155**		0.787	0.125	6.77	**0.00125**	**0.00125**	**0.170**	
09/17/04	7.78	5.03	11.88	93.8	0.124	198.0	0.400	41.6	120.0	70.0	0.90	**1.57**	56.0				**0.0800**	**0.0155**		0.809	**0.0530**	7.35	**0.00260**	**0.00125**	**0.240**	
10/18/04	6.95	1.30	13.59	96.5				33.0	100.0	53.8	0.70	**1.57**	40.0	**0.580**			**0.0155**	**0.0155**		1.15	**0.0155**	5.82	**0.00280**	**0.00125**	**0.340**	
01/27/05	7.90	-0.170	12.85		0.120	32.0	9.30	44.4	110.0	75.0	2.30	**0.785**	48.0	0.600			**0.0155**	0.0521		0.742	**0.0460**	7.40	**0.00125**	**0.00125**	**0.210**	
03/19/05	7.66	-0.050	13.12	92.4	0.125	85.0	5.90	48.8	110.0	53.8	1.60	**4.00**	49.0	0.610			**0.0910**	0.0907		0.935	**0.0440**	9.54	**0.00125**	**0.00125**	**0.540**	
05/02/05	6.39	4.10	12.74	97.4	0.058	128.7	2.88	22.8	60.0	43.8	4.80	**3.50**	21.0							0.690	**0.0155**	3.04	**0.00125**	**0.00125**	**0.950**	
05/04/05														0.330			**0.0155**	0.0645								
06/04/05	8.13	11.9	10.23	95.3	0.091	83.0	4.10	33.7	80.0	57.5	1.30	**2.00**	36.0	0.170			**0.0155**	0.0373		0.460	**0.0340**	5.08	**0.00125**	**0.00125**	**0.210**	
07/11/05		10.3	9.19	82.1	0.102	-123.2	1.37	49.4	105.0	65.0	1.43	**1.75**	46.8	0.138			**0.0500**	0.074		0.451	**0.0500**	5.47	**0.0025**	**0.00250**	**0.420**	
08/16/05	7.43	12.9	10.42	98.7	0.116	111.8	1.65	52.8	115.0	85.0	0.870	**2.13**	53.5	**0.0155**			**0.055**	**0.0140**		0.573	**0.0390**	6.41	**0.00125**	**0.00250**	**0.290**	
09/13/05	6.83	7.96	11.34	95.6	0.075	79.0	1.72	33.3	80.0	57.5	2.30	**2.00**	34.0	**0.0500**			**0.0440**	**0.0140**		0.924	**0.0380**	3.59	**0.00125**	**0.00125**	**0.450**	
10/30/05	7.18	0.010	13.54	92.6	0.097	-123.3	1.08	44.3	105.0	115.0	1.10	**3.50**	41.0	0.245			**0.0814**	**0.0110**		0.821	**0.0420**	7.41	**0.00125**	**0.00125**	**0.220**	
02/09/06	6.83	0.010	9.14	62.6	0.112	-180.1	2.12	47.9	120.0	92.5	1.30	7.50	50.0	0.203			**0.0155**	**0.0190**		0.773	**0.0155**	10.8	**0.00125**	**0.00125**	**0.0295**	
03/15/06	7.21	0.050	13.57	93.2	0.118	48.0	2.07	62.2	90.0	83.7	0.833	5.75	56.0	0.304			**0.05**	**0.00900**		0.749	**0.0155**	8.49	**0.00125**	**0.00125**	**0.155**	
04/02/06	6.97	0.030	13.34	91.5		-172.0																				
05/19/06	6.70	0.950	9.02	63.5	0.054	196.4	1.70	24.8	60.0	52.5	9.65	**3.50**	26.0	0.374	**0.0155**	0.352	**0.0155**	0.0430	**0.0155**	0.840	**0.0155**	2.43	**0.00125**	**0.00125**	**0.370**	
06/17/06	6.76	9.66	7.30	64.2	0.072	33.9	1.82	32.0	80.0	60.0	4.42	**3.00**	31.0	0.169	**0.0155**	0.147	**0.0155**	0.0179	**0.05**	0.549	**0.0470**	5.03	**0.00125**	**0.00125**	**0.440**	
07/24/06	7.27	7.75	7.27	61.0	0.102	49.3	1.23	46.6	100.0	66.3	2.60	**2.75**	48.0	**0.0385**	**0.0155**	**0.0385**	**0.0460**	0.0160	**0.05**	0.551	**0.0580**	6.86	**0.00105**	**0.00250**	**0.155**	
08/15/06	6.58	8.12	8.21	69.5	0.052	92.3	1.49	24.9	50.0	58.7	4.32	**4.25**	25.0	**0.0870**	**0.0155**	**0.0750**	**0.0155**	0.0340	**0.05**	0.282	**0.0510**	2.26	**0.00075**	**0.00400**	**0.155**	
09/12/06	7.42	7.17	9.30	77.1	0.091	117.4	1.52	38.9	90.0	76.2	1.52	**1.57**	41.0	0.784	**0.0155**	0.777	**0.0155**	0.0140	**0.05**	0.721	**0.0540**	5.72	**0.00075**	**0.00075**	**0.155**	
11/02/06	6.92	0.010	10.48	74.3	0.078	228.3	0.920	44.2	85.0	51.3	1.02	**3.25**	41.0	**0.0400**	**0.0155**	**0.0155**	**0.0155**	0.0180	**0.05**	0.742	**0.0310**	6.83	**0.00075**	**0.00075**	**0.155**	
12/12/06	7.04	0.050	10.34	71.0	0.113		1.26	43.3	100.0	73.8	1.40	**1.57**	50.0	0.971	**0.0155**	0.959	**0.0500**	0.0190	**0.05**	0.989	**0.0360**	8.54	**0.00075**	**0.00200**	**0.155**	
01/12/07	6.63	0.020	9.32	64.1	0.113	102.2	1.33	52.2	100.0	70.0	2.67	**1.57**	45.0	0.186	**0.0155**	0.169	**0.0402**	0.0130	**0.05**	0.637	**0.0350**	8.00	**0.00075**	**0.00075**	**0.155**	
02/19/07	7.40	0.040	10.93	75.0	0.101	111.6	1.11	54.1	100.0	75.0	**0.625**	**1.57**	52.0	0.141	**0.0155**	0.141	**0.0342**	**0.00155**	**0.05**	0.713	**0.0420**	8.13	**0.00075**	**0.00380**	**0.155**	
03/14/07	6.59	0.020	10.60	73.1	0.114	111.5	1.28	49.2	110.0	72.5	1.08	**1.57**	52.0	0.287	**0.0155**	0.285	**0.0155**	0.0140		0.716	**0.0360**	8.26	**0.00075**	**0.00075**	**0.155**	
04/01/07	7.66	0.040	9.65	66.0	0.118	76.6																				
04/23/07	6.87	0.160	10.25	70.5	0.045	80.0	5.70	19.1	43.5	46.3	34.1	**1.57**	**12.0**	**0.0865**	**0.0155**	**0.0650**	0.127	0.0700	**0.05**	0.710	**0.0370**	1.95	**0.00075**	**0.00075**	**0.660**	
05/13/07	6.80	5.18	10.54	82.9	0.077	104.5	1.68	33.1	70.0	48.8	4.44	**1.57**	34.0	0.186			**0.0155**	0.0203		0.689	**0.0470**	4.44	**0.00075**	**0.00075**	**0.155**	
06/19/07	7.26	11.32	10.68	97.7	0.093	69.2	0.900	39.4	90.0	78.8	0.825	**1.57**	42.0	0.104			**0.0500**	**0.0050**		0.656	**0.0790**	6.76	**0.00075**	**0.00075**	**0.155**	1.86
07/15/07	7.25	9.70	8.90	78.7	0.095	28.5	1.29	39.8	95.0	70.0	1.30	**5.00**	43.9	**0.050**			**0.0155**	0.0126		0.510	**0.0600**	5.73	**0.00075**	**0.00075**	**0.155**	2.62
08/18/07	7.82	9.62	9.11	80.2	0.099	4.4	1.50	41.0	100.0	65.0	1.44	**4.00**	47.9	**0.0155**			**0.0684**	0.0124		0.444	**0.0350**	5.34	**0.00075**	**0.00075**	**0.155**	2.42
09/19/07	6.55	6.88	8.67	71.2	0.056	83.8	4.07	24.3	60.0	46.3	6.60	**3.50**	24.6	**0.0735**			**0.0155**	0.0158		0.848	**0.0330**	2.38	**0.00075**	**0.00075**	**0.500**	7.19
10/16/07	6.76	0.050	11.70	80.3	0.095	132.5	0.850	45.2	90.0	61.3	1.25	**3.50**	41.6	0.230			**0.0155**	0.0146		0.635	**0.0420**	6.31	**0.00075**	**0.00075**	**0.155**	1.44
11/12/07	6.83	0.000	10.22	69.9	0.091	27.5	0.910	41.9	90.0	16.3	**0.612**	**1.57**	39.9	0.236			**0.0155**	0.0230		0.756	**0.0440**	6.98	**0.00075**	**0.00075**	**0.155**	2.04
12/11/07	7.27	0.040	18.58	125.2	0.094	49.1	0.880	44.5	88.7	60.0	1.02	**1.57**	39.5	0.242			**0.0155**	0.0163		0.627	**0.0310**	5.85	**0.00075**	**0.00075**	**0.155**	1.93
01/19/08	6.82	0.020	9.49	65.1	0.110	126.3	1.21	46.7	114.0	50.0	1.25	**1.57**	47.8	0.350			**0.0155**	0.0177		0.617	**0.0340**	7.45	**0.00075**	**0.00075**	**0.155**	1.16
02/23/08	7.28	0.000	10.78	74.1	0.116	-31.6	1.88	47.9	124.0	83.8	**0.404**	**1.57**	74.0	0.125			**0.0155**	0.0156		0.896	**0.0410**	7.26	**0.00075**	**0.00250**	**0.155**	1.40
03/13/08	6.93	0.010	9.92	68.0	0.120	148.4	1.38	46.4	119.0	67.5	**0.588**	**8.06**	54.6	0.465			**0.0155**	0.0134		0.829	**0.0480**	7.30	**0.00250**	**0.00250**	**0.450**	1.27
03/27/08	7.30	0.010	10.85	74.3	0.137	119.9																				
04/22/08	7.12	0.070	11.34	77.8	0.118	59.2	2.03	53.9	122.0	70.0	1.67	**4.16**	53.7	1.34			**0.0155**	0.0116		0.970	**0.0510**	6.66	**0.00210**	**0.00075**	**0.155**	1.25
05/17/08	6.63	3.76	9.14	69.3	0.048	125.7	4.22	20.1	49.6	47.5	3.14	**3.20**	23.4	0.227			0.127	0.0148		0.361	**0.0640**	2.00	**0.00250**	**0.00075**	**0.380**	4.21
06/13/08	7.81	3.92	9.36	71.2	0.072	96.2	1.20	32.9	76.5	65.0	2.00	**1.57**	33.2	0.399			0.158	**0.0046**		0.617	**0.0155**	7.25	**0.00160**	**0.00075**	**0.155**	2.59
07/16/08	7.45	9.63	7.60	66.7	0.095	61.2	1.16	40.1	94.7	65.0	0.659	**1.57**	42.7	**0.0575**			**0.0155**	0.0457		0.455	**0.0460**	5.75	**0.00250**	**0.00250**	**0.155**	1.76
08/21/08	7.92	10.42	8.62	77.3	0.110	57.0	1.50	45.2	106.0	70.0	1.40	**1.57**	50.6	**0.050**			**0.0155**	0.0162		0.507	**0.0530**	6.59	**0.00250**	**0.00075**	**0.155**	2.46
09/19/08	6.94	7.32	8.31	69.1	0.071	118.0	3.56	27.7	72.9	47.5	10.2	**3.56**	32.1	**0.0805**			**0.0500**	0.0291		0.439	**0.0320**	2.65	**0.00075**	**0.00075**	**0.750**	8.18
10/20/08	6.85	0.660	10.07	70.1	0.097	72.4	0.910	40.4	101.0	62.5	0.645	**1.57**	43.0	0.184			**0.0500**	**0.0066**		0.681	**0.0490**	5.65	**0.00075**	**0.00075**	**0.155**	2.16
11/21/08	6.75	0.060	9.66	66.2	0.107	111.0	1.76	46.7	117.0	62.5	2.08	**7.00**	46.1	0.212			**0.0500**	0.0148		0.688	**0.0400**	7.98	**0.00075**	**0.00075**	**0.430**	1.32
12/09/08	6.96	0.010	10.48	71.7	0.104	61.6	1.44	39.7	107.0	48.8	1.30	**3.24**	44.0	0.216			**0.0415**	0.0152		0.634	**0.0450**	6.39	**0.00075**	**0.00075**	**0.155**	1.57
Mean	7.15	4.00	10.56	78.4	0.095	76.2	2.37	39.7	92.1	63.1	3.19	2.73	42.0	0.260	0.0155	0.275	0.0370	0.0233	0.05	0.678	0.0450	5.97	0.00130	0.00150	0.251	2.57
Median	7.08	1.07	10.42	74.3	0.097	83.8	1.51	41.8	97.5	63.8	1.42	1.66	43.0	0.186	0.0155	0.147	0.0155	0.0156	0.050	0.685	0.0430	6.40	0.00130	0.00130	0.155	1.93
St. Deviation	0.420	4.60	1.970	13.5	0.024	90.2	2.20	10.3	21.9	15.9	5.33	1.68	11.0	0.261	0	0.313	0.0336	0.0191	0.01	0.173	0.0210	2.11	0.00090	0.00110	0.189	1.95
# of values	50	51	51	45	49	49	46	48	48	48	48	48	50	46	11	11	48	48	10	48	48	48	48	48	48	19
Minimum	6.39	-0.17	7.27	61	0.044	-180.1	0.4	16.8	42.0	16.3	0.40	0.785	12.0	0.0155	0.0155	0.0155	0.0155	0.00155	0.0155	0.282	0.0155	1.60	0.00075	0.00075	0.0295	1.16
Maximum	8.13	13.61	18.58	125.2	0.137	272	11	62.2	124.0	115	34.1	8.06	74.0	1.34	0.0155	0.959	0.158	0.0907	0.050	1.15	0.125	10.8	0.0055	0.0066	0.95	8.18
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	15%	100%	9%	73%	15%	100%	0%	19%	0%	88%	88%	63%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	5	22	1	9	0	3	10	9	0	0	37	0	5	5	18	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.58	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100D																												
Sample Date																												
04/30/04	318	27.5	**0.0385**	**0.0385**	**0.400**	**0.125**	7.25	3.68	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4330	4550	0.372	0.463	0.315	0.322	0.738	0.556	824.0	309.0	**0.100**	**0.0500**
05/20/04	91.7	31.7	**0.0385**	0.207	**0.125**	**0.125**	5.30	4.74	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7280	7580	0.301	**0.100**	0.142		0.619	0.559	355.0	165.0	**0.0500**	**0.0500**
05/21/04																												
06/03/04																												
06/17/04	183	**12.5**	2.69	0.233	**0.364**	**0.125**	8.21	5.43	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9500	9390	0.399	0.242	0.290		0.628	0.363	768.0	235.0	**0.110**	**0.0500**
07/15/04	61.4	**12.5**	**0.0385**	**0.100**	0.584	**0.290**	7.77	6.21	**0.00750**	**0.00750**	**0.750**	**0.750**	**4.80**	**1.55**	**0.0155**	**0.0500**	11300	10400	**0.100**	0.216	0.171		0.581	0.377	632.0	311.0	**0.0500**	**0.0500**
08/16/04																												
08/25/04	**12.5**		**0.0385**	**0.0385**	**0.432**	**0.266**	6.14	6.54	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**3.30**	**0.0155**	**0.0155**	12400	12300	**0.178**	0.239	**0.0500**	0.115	0.421	0.408	491.0	282.0	**0.0500**	**0.0500**
09/17/04	**12.5**	**12.5**	**0.0385**	**0.0930**	**0.342**	0.533	6.04	5.92	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	11000	13700	**0.122**	0.261	0.105		0.324	0.340	499.0	262.0	**0.0500**	**0.0500**
10/18/04	38.1	**12.5**	**0.0385**	**0.0385**	**0.365**	**0.391**	5.16	4.80	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8720	8590	0.248	0.244	0.134		0.575	0.410	343.0	231.0	**0.0500**	**0.0500**
01/27/05	72.8	8.17	0.0160		**0.254**	**0.125**	7.39	5.95	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0268**	**0.0286**	11600	11800	0.637	0.561	0.181	0.110	0.498		436.0	177.0	**0.0500**	**0.0155**
03/19/05	3.96		**0.0100**	**0.0146**	0.195		7.37	7.62	**0.00150**	**0.00150**	**0.00384**	**0.0100**	2.37	1.94	**0.00310**		13300	11800	**0.0357**	**0.148**	0.130	0.152	0.334	0.353	121.0		**0.0350**	**0.0350**
05/02/05	187	31.9	0.0205	**0.0100**	0.341	0.247	7.59	5.09	**0.00903**	**0.00500**	**0.00384**	**0.00384**	2.56	2.52	**0.0156**	**0.0100**	6180	5340	**0.127**	**0.0743**	0.230	0.144	0.784	0.620	577.0	296.0	0.0885	**0.0350**
05/04/05																												
06/04/05	39.4	11.6	0.0152		**0.125**	**0.306**	4.66	4.82	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	9040	9230	**0.0310**		0.100	0.0832	0.355	0.399	282.0	138.0	**0.0500**	
07/11/05	24.7	8.72	**0.0050**	**0.00500**	**0.125**	**0.125**	6.49	5.51	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**5.0**	**5.00**	**0.00775**	**0.00775**	13100	12100	0.231	0.238	0.135	0.0982	0.523	0.551	638.0	232.0	**0.0155**	
08/16/05	24.6	7.67	**0.00155**	**0.00155**	**0.286**	0.521	7.62	7.63	**0.00750**	**0.00750**	**0.00420**	**0.00155**	**5.0**	**1.55**	**0.00775**	**0.00775**	14400	14200	0.734	0.714	0.128	0.0904	0.483	0.465	725.0	192.0	**0.0155**	
09/13/05	65.1	30.6	0.0166	0.0186	**0.250**	**0.271**	6.03	5.51	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8790	8480	0.914	1.01	0.176	0.157	0.712	0.534	512.0	288.0	**0.0500**	
10/30/05	38.7	8.62	0.0204	0.0284	**0.125**	**0.125**	6.21	5.65	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**4.30**	**1.55**	**0.00775**	**0.00775**	11800	11500	0.576	0.498	0.181	0.147	0.438		387.0	141.0	**0.0155**	
02/09/06	37	3.32	**0.0234**	**0.0240**	**0.155**	**0.155**	7.58	7.22	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**1.60**	**0.0125**	**0.0125**	13200	12900	0.395	0.575	0.199	0.175	0.931	0.404	381.0	87.7	1.00	0.234
03/15/06	23.6	2.71	**0.0075**	**0.0250**	**0.155**	**0.155**	7.88	6.50	**0.0120**	**0.0120**	**0.00750**	**0.0250**	**0.750**	**2.50**	**0.0125**	**0.0125**	16700	14300	0.423		0.149	0.134	0.441	0.273	362.0	82.2	0.0518	
04/02/06																												
05/19/06	162	23.2	**0.0250**	**0.0250**	**0.155**	**0.155**	6.83	5.04	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	6440	5970	0.633	0.746	0.280	0.173	0.816	0.581	941.0	430.0	0.122	
06/17/06	126	23.0	**0.0196**	**0.0188**	**0.155**	**0.155**	6.57	5.23	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**2.22**	**0.750**	**0.0125**	**0.0125**	8730	8150	0.627	0.586	0.220	0.157	0.833	0.921	611.0	241.0	0.0694	
07/24/06	20.2	8.05	**0.0226**	**0.0210**	**0.155**	**0.155**	7.44	6.50	**0.0125**	**0.0125**	**0.00750**	**0.0220**	**1.25**	**1.25**	**0.0185**	**0.0185**	12700	13100	0.539	0.402	0.208	0.161	0.431	0.502	509.0	169.0	**0.0500**	
08/15/06	237	47.7	**0.0200**	**0.0168**	**0.155**	**0.155**	7.36	4.81	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	7000	6380	0.210	**0.0500**	0.281	0.122	1.10	0.755	666.0	249.0	0.430	0.169
09/12/06	29.0	14.0	**0.0190**	**0.0212**	**0.155**	**0.155**	6.19	5.95	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10200	11000	**0.100**		0.172	0.153	0.420	0.511	461.0	302.0	**0.0500**	
11/02/06	49.7	10.2	**0.0075**	**0.0250**	**0.155**	**0.312**	6.72	6.06	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	11900	12400	1.19	0.394	0.167	0.138	0.486	0.436	304.0	131.0	**0.0500**	0.116
12/12/06	80.0	4.69	**0.0075**	**0.0075**	**0.155**	**0.155**	7.02	7.02	**0.0125**	**0.0125**	**0.0250**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	11400	11600	**0.0500**	**0.0500**	0.178	0.122	0.470	0.426	373.0	92.8	0.105	
01/12/07	122	6.18	**0.0250**	**0.0250**	**0.155**	**0.155**	8.02	7.51	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	0.0892	0.0930	14200	13200	**0.192**	**0.0500**	0.192	0.0930	1.76	0.565	391.0	87.4	0.256	0.129
02/19/07	21.6	5.82	**0.0250**	**0.0250**	**0.155**	**0.466**	7.35		**0.0125**	**0.0125**	**0.0410**	**0.00750**	**1.25**	**2.70**	**0.00750**	**0.00750**	15000	17300	0.268	**0.0500**	0.132	0.137	0.412		314.0	165.0	0.207	**0.0500**
03/14/07	22.4	4.47	**0.0250**	**0.0250**	**0.155**	**0.155**	7.08	7.43	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0292**	**0.0316**	13500	13700	**0.0500**	**0.0500**	0.116		2.14	1.54	233.0	87.2	1.03	
04/01/07																												
04/23/07	714	22.0	**0.0310**	**0.0222**	0.585	**0.155**	12.2	4.54	**0.0312**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	4980	4640	0.906	**0.112**	0.717	0.254	1.34		1740.0	287.0	0.284	**0.0390**
05/13/07	116	20.4	**0.0198**	**0.0292**	**0.155**	**0.155**	7.00	6.17	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8860	9300	0.459	0.486	0.179	0.170	0.691		579.0	294.0	**0.0500**	**0.0500**
06/19/07	50.3	12.1	**0.0250**	**0.0250**	**0.155**	**0.155**	6.11	6.06	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10400	10700	0.294	0.256	0.130	0.0968	0.398	0.374	433.0	259.0	**0.0500**	**0.0500**
07/15/07	44.6	11.0	**0.0250**	**0.0250**	**0.155**	**0.155**	6.21	6.15	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10800	11100	0.287	0.288	0.163	0.135	0.381	0.382	561.0	369.0	**0.0155**	**0.0155**
08/18/07	32.2	8.57	**0.0222**	**0.0252**	**0.446**	**0.318**	5.96	5.88	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11100	11200	**0.197**	0.221	0.136	0.105	0.344	0.341	535.0	324.0	**0.0155**	**0.0155**
09/19/07	199	46.4	**0.0075**	**0.00750**	**0.424**	**0.336**	6.88	5.47	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6670	7160	0.402	0.369	0.266	0.134	0.660	0.762	670.0	262.0	**0.0500**	**0.0500**
10/16/07	52.3	10.7	**0.0172**	**0.0210**	**0.155**	**0.155**	6.61	6.30	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	12300	11800	0.463	0.404	0.152	0.119	0.479	0.377	343.0	184.0	**0.0500**	**0.0155**
11/12/07	38.8	13.6	**0.0075**	**0.0202**	**0.155**	**0.155**	5.89	6.82	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11200	11400	0.348	0.314	0.141	0.125	0.381		318.0	213.0	**0.0155**	**0.0500**
12/11/07	39	10.8	**0.0075**	**0.0220**	**0.155**	**0.155**	6.02	5.89	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	12000	11700	0.544	0.506	0.128	0.112	0.397	0.291	292.0	165.0	**0.0500**	**0.0155**
01/19/08	44.3	6.68	**0.0220**	**0.00750**	**0.155**	**0.155**	7.09	6.31	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0266**	**0.0242**	12700	12800	1.00	0.544	0.120	0.0878	0.654		280.0	110.0	**0.0500**	**0.0500**
02/23/08	19.9	6.65	**0.0250**	**0.0250**	**0.155**	**0.155**	6.64	6.77	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0250**	**0.0250**	12800	13200	0.330	0.240	0.0944	0.0956	0.467		231.0	162.0	**0.0500**	**0.0500**
03/13/08	20.8	13.3	**0.0192**	**0.0234**	**0.155**	**0.155**	6.46	6.08	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0196**	12600	12000	**0.110**	**0.110**	0.105	0.0956	0.442		309.0	207.0	**0.0155**	**0.0628**
03/27/08																												
04/22/08	36.2	8.50	**0.0075**	**0.00750**	**0.155**	**0.155**	7.58	7.03	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	14500	13700	**0.100**	0.263	0.133	0.115	0.751	0.437	408.0	240.0	**0.0155**	**0.0155**
05/17/08	133	25.0	**0.0075**	**0.00750**	**0.155**	**0.155**	5.59	4.42	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5350	5350	0.239	**0.100**	0.192	0.114	0.579		631.0	359.0	**0.0500**	**0.0500**
06/13/08	74.1	17.3	**0.0075**	**0.00750**	**0.155**	**0.155**	5.51	4.89	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8800	8850	0.310	0.325	0.121	0.0894	0.507		313.0	151.0	**0.0500**	**0.0155**
07/16/08	25.4	10.4	**0.0075**	**0.00750**	**0.155**	**0.155**	5.33	5.47	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10500	11100	**0.100**	**0.100**	0.0835	0.0817	0.516	0.491	297.0	226.0	**0.0155**	**0.0155**
08/21/08	29.7	12.1	**0.0075**	**0.0268**	**0.155**	**0.325**	6.48	7.16	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	12100	13600	0.223	**0.197**	0.126	0.108	0.409	0.390	480.0	354.0	**0.0155**	**0.0155**
09/19/08	184	41.1	**0.0075**	**0.00750**	**0.421**	**0.155**	6.74	4.66	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7450	6800	0.344	**0.100**	0.275	0.128	0.883	0.654	739.0	283.0	**0.0634**	**0.0155**
10/20/08	33.1	9.26	**0.0075**	**0.00750**	**0.375**	**0.155**	5.69	5.35	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10600	10500	0.239	**0.176**	0.132	0.110	0.331	0.353	321.0	163.0	**0.0155**	**0.0155**
11/21/08	36.6	5.83	**0.0075**	**0.00750**	**0.155**	**0.155**	7.27	6.82	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	12400	11900	0.270	**0.100**	0.124	0.0955	0.411	0.351	304.0	115.0	**0.0155**	**0.0155**
12/09/08	36.7	8.64	**0.0075**	**0.00750**	**0.311**	**0.155**	6.61	5.96	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0198**	10400	11200	0.276	0.328	0.153	0.136	0.372		441.0	215.0	**0.0413**	
Mean	84.7	15.0	0.0740	0.0310	0.230	0.206	6.77	5.93	0.0112	0.0107	0.116	0.1157	1.64	1.52	0.01365	0.0151	10700	10600	0.357	0.300	0.176	0.131	0.618	0.501	487.0	220.0	0.108	0.0500
Median	39.2	11.3	0.0190	0.0220	0.155	0.155	6.68	5.95	0.0125	0.0125	0.00750	0.007500	1.25	1.25	0.007750	0.0100	11200	11300	0.291	0.244	0.151	0.122	0.492	0.431	435.0	226.0	0.0500	0.0500
St. Deviation	114.9	11	0.3860	0.0450	0.125	0.104	1.14	0.940	0.00390	0.00270	0.265	0.2649	1.01	0.680	0.01273	0.0143	2800	2900	0.264	0.216	0.0990	0.0450	0.353	0.227	254.0	85.0	0.206	0.0470
# of values	48	46	48	46	48	47	48	47	48	48	48	48	48	48	48	47	48	48	48	45	48	42	48	36	48	47	48	35
Minimum	3.96	2.71	0.00155	0.00155	0.125	0.125	4.66	3.68	0.00150	0.00150	0.00155	0.00155	0.75	0.75	0.0031	0.0075	4330	4550	0.031	0.05	0.05	0.0817	0.324	0.273	121	82.2	0.0155	0.0155
Maximum	714	47.7	2.69	0.233	0.585	0.533	12.2	7.63	0.0312	0.0125	0.75	0.75	5	5	0.0892	0.093	16700	17300	1.19	1.01	0.717	0.322	2.14	1.54	1740	430	1.03	0.234
% of values undetected	4%	9%	65%	59%	65%	72%	0%	0%	96%	100%	96%	98%	90%	90%	90%	87%	0%	0%	17%	22%	2%	0%	0%	0%	0%	0%	69%	83%
# of values between MDL and PQL	0	0	11	15	13	10	0	0	2	0	2	1	3	3	4	5	0	0	6	6	0	0	0	0	0	0	4	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.085	0.083	NA	NA	10.98	10.56276	NA	NA	2.463	2.364	1000	1000	0.438	0.445
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	4%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100D																												
Sample Date																												
04/30/04	1460	1350	65.7	41.7	0.00370		**0.155**	**0.155**	0.471	0.583	534	517	**0.155**	**0.155**	2570	**0.00310**	**0.00310**	1600	1680	**0.0125**	**0.0125**	**0.155**	**0.155**	0.894	**0.125**	1.96	2.45
05/20/04	2130	2200	29.0	26.2	0.00230		**0.155**	**0.155**	0.363		375	392	**0.155**	**0.155**	4730	**0.00310**	**0.00310**	2490	2530	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.200**	**0.750**	1.52
05/21/04																												
06/03/04																												
06/17/04	2630	2530	57.1	37.6	0.00160		**0.155**	**0.155**	0.605	0.639	383	354	**0.155**	**0.155**	4770	**0.00310**	**0.00310**	2910	2840	**0.0125**	**0.0125**	**0.500**	**0.155**	0.731	**0.303**	**0.750**	**0.750**
07/15/04	3470	3340	68.5	56.4	0.00110		**0.155**	**0.155**	0.584	0.739	515	458	**0.155**	**0.155**	5930	**0.00310**	**0.00310**	3630	3520	**0.0125**	**0.0125**	**0.155**	**0.155**	0.514	**0.339**	**0.750**	**0.750**
08/16/04																												
08/25/04	3470	3580	25.2	25.5	0.00140		**0.155**	**0.155**	0.472	0.498	517	551	**0.155**	**0.155**	6500	**0.00310**	**0.00310**	3490	3620	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.251**	0.434	**0.750**	**0.750**
09/17/04	3450	4050	44.9	46.5	0.00100		**0.155**	**0.155**	0.496	0.655	513	542	**0.155**	**0.155**	6140	**0.00310**		3650	3990	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.322**	**0.125**	5.24	5.28
10/18/04	2720	2660	45.5	42.0	0.00150		**0.155**	**0.155**	0.462	0.631	333	324	**0.155**	**0.155**	5740	**0.00310**	**0.00310**	3100	3090	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.279**	**0.125**	1.71	2.45
01/27/05	3720	3560	47.3	33.4	0.00120		0.208	0.217	0.565	0.684	454	432	**0.0775**	**0.0775**	6840	**0.00310**	**0.00310**	3770	3630	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	1.88	
03/19/05	3790	3730	46.9	55.1	**0.000147**		0.177	0.211	0.265	0.234	466	503	**0.0143**	**0.0477**	6680	**0.001435**	**0.00500**	3830	3790	**0.00213**	**0.00213**	**0.0302**	**0.0302**	0.196		3.15	1.35
05/02/05	1800	1630	56.2	40.4	**0.00176**		0.136	**0.0500**	0.360	0.413	599	568	**0.0444**	**0.0393**	3740	0.0130	**0.00144**	1780	1760	**0.00500**	**0.00213**	0.308	**0.0302**	0.598	0.250	2.23	2.43
05/04/05																												
06/04/05	2710	2730	25.4	22.9	**0.000450**		0.159		0.518		417	436	**0.0775**	**0.0775**	5280	**0.00310**	**0.00310**	3170	3140	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.200**	**0.200**	**0.750**	**0.750**
07/11/05	4040	3780	51.4	40.2	**0.000450**		0.247	0.213	0.684	0.727	478	442	**0.0775**	**0.0775**	5320	**0.00310**	**0.00310**	4510	4290	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.560	**0.386**	19.7	6.93
08/16/05	4110	4060	46.3	36.2	**0.00250**		0.261	0.257	0.833		575	568	**0.0775**	**0.0775**	6280	**0.00310**	**0.00310**	4330	4260	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.313**	**0.278**	3.72	2.69
09/13/05	2760	2740	36.7	31.8	**0.00250**		0.136	0.135	0.726		422	412	**0.0775**	**0.0775**	5710	**0.00310**	**0.00310**	3210	3210	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	7.28	1.98
10/30/05	3620	3810	50.9	47.2	**0.00129**		0.193		0.706		417	443	**0.0775**	**0.0775**	7170	**0.00310**	**0.00310**	3790	4120	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.255**	**0.305**	1.84	1.58
02/09/06	3640	3810	62.6	57.3	**0.000475**		0.205		0.765	0.942	519	506	**0.155**	**0.155**	2150	**0.00310**	**0.00310**	4680	4080	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.97	
03/15/06	5000	4260	47.3	35.9	**0.000475**		0.223	0.236	0.509		532	509	**0.155**	**0.155**	7160	**0.00310**	**0.00310**	5130	4320	**0.00250**	0.0118	**0.0155**	**0.0155**	**0.110**	**0.110**	3.57	
04/02/06																												
05/19/06	2120	1800	67.5	44.7	**0.00250**		0.135	0.117	0.592		847	800	**0.155**	**0.155**	3160	**0.00310**	**0.00310**	2270	2080	**0.00980**	**0.00880**	**0.0155**	**0.0155**	0.596	**0.110**	2.93	
06/17/06	2480	2510	42.5	33.9	**0.00250**		0.156	0.169	0.661		436	420	**0.155**	**0.155**	1270	**0.00310**	**0.00310**	3280	3230	**0.00560**	**0.00250**	**0.0155**	**0.0155**	**0.250**	**0.250**	3.05	1.87
07/24/06	3590	3670	67.2	60.6	**0.000475**		0.244	0.261	0.767	0.887	497	515	**0.155**	**0.155**	5310	**0.00310**	**0.00310**	3730	4000	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	3.64	3.29
08/15/06	2100	2070	50.4	26.2	**0.00250**		0.144	0.129	0.689	0.821	290	247	**0.155**	**0.155**	3710	**0.00310**	**0.00310**	2850	2810	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.816**	**0.250**	2.66	1.98
09/12/06	3280	3340	51.5	53.4	**0.00186**		0.187	0.195	0.553		403	452	**0.155**	**0.155**	2310	0.0294	**0.00310**	3500	3610	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.40	1.36
11/02/06	3540	3340	43.6	39.8	**0.000475**		0.193	0.218	0.794	0.608	442	448	**0.155**	**0.155**	6450	**0.00680**	**0.00640**	3660	3500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
12/12/06	3590	3650	45.6	35.7	**0.000475**		0.197	0.203	0.672	0.788	455	477	**0.155**	**0.155**	6730	**0.00310**	**0.00310**	3640	3770	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.31	
01/12/07	4090	3850	45.1	32.2	**0.000354**		0.267	0.236	0.537	0.484	493	521	**0.155**	**0.155**	6660	**0.00310**	**0.00310**	3960	3790	0.0254	**0.00500**	**0.0500**	**0.0500**	**0.501**	**0.155**	1.75	
02/19/07	4020	4570	44.2	46.1	**0.000367**		0.295	0.329	0.617	0.772	539		**0.155**	**0.155**	8170	**0.00700**	**0.00310**	4150	4820	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.58	
03/14/07	3780	3820	48.1	47.7	**0.000403**		0.240	0.244	0.564		498	512	**0.155**	**0.155**	6840	**0.00310**	**0.00310**	3860	3950	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.17	
04/01/07																												
04/23/07	1630	1460	136	61.9	**0.00460**		0.157	0.127	0.876		981	938	**0.155**	**0.155**	2390	**0.00310**	**0.00310**	1910	1650	**0.00500**	**0.00500**	**0.0500**	**0.0500**	2.20	**0.155**	3.63	3.62
05/13/07	2660	2860	37.5	34.1	**0.000948**		0.188	0.202	0.572		654	693	**0.155**	**0.155**	5050	**0.00310**	**0.00310**	2780	3020	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.461**	**0.155**	2.05	2.92
06/19/07	3250	3360	42.5	35.8	**0.000169**		0.241	0.256	0.409	0.473	463	501	**0.155**	**0.155**	5540	**0.00310**	**0.00310**	3630	3750	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.402**	**0.155**	**0.500**	**0.500**
07/15/07	3130	3250	62.8	54.9	**0.000169**		0.234	0.249	0.568	0.680	396	426	**0.155**	**0.155**	5300	**0.00310**	**0.00310**	3560	3700	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.379**	**0.155**	**0.500**	**0.500**
08/18/07	3230	3270	56.1	45.5	**0.000169**		0.244	0.250	0.462	0.517	419	444	**0.155**	**0.155**	5170	**0.00310**	**0.00310**	3600	3670	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.433**	**0.155**	1.10	**0.500**
09/19/07	1860	2030	54.8	30.6	**0.00250**		0.139	0.147	0.499	0.555	463	510	**0.155**	**0.155**	4660	**0.00310**	**0.00310**	2880	3220	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.785**	**0.328**	2.27	2.20
10/16/07	3530	3420	49.4	41.5	**0.00250**		0.216	0.224	0.522	0.529	436	468	**0.155**	**0.155**	6950	**0.00310**	**0.00310**	3720	3610	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
11/12/07	3410	3490	46.6	45.0	**0.00250**		0.201	0.214	0.414	0.439	410	452	**0.155**	**0.155**	7000	**0.00310**	**0.00310**	3830	3770	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
12/11/07	3540	3360	40.1	33.4	**0.000920**		0.202	0.202	0.464	0.554	421	427	**0.155**	**0.155**	6460	**0.00310**	**0.00310**	3870	3740	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.36
01/19/08	3650	3790	40.6	35.0	**0.000750**		0.214	0.224	0.601	0.604	458	483	**0.155**	**0.155**	7390	**0.00310**	**0.00310**	3620	3780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.340**	**0.155**	2.54	2.11
02/23/08	3890	4040	38.3	38.9	**0.000750**		0.219	0.242	0.447	0.602	499	531	**0.155**	**0.155**	7830	**0.00620**	**0.00310**	4000	4150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.40
03/13/08	3630	3420	45.6	41.4	**0.000750**		0.251	0.252	0.523	0.689	451	436	**0.155**	**0.155**	6150	**0.00310**	**0.00310**	3820	3660	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
03/27/08																												
04/22/08	4310	4090	55.2	50.6	**0.000750**		**0.00750**		0.434		552	531	**0.155**	**0.155**	6950	**0.00310**	**0.00310**	4490	4370	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.60	1.01
05/17/08	1640	1610	45	33.3	**0.00347**		0.126	0.122	0.339	0.485	517	511	**0.155**	**0.155**	3060	**0.00310**	**0.00310**	1810	1830	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.638**	**0.155**	1.72	1.96
06/13/08	2660	2650	30.9	24.4	**0.00155**		0.170	0.172	0.391		419	422	**0.155**	**0.155**	5570	**0.00310**	**0.00310**	3020	3030	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.374**	**0.155**	1.24	1.23
07/16/08	3380	3630	35.4	35.7	**0.000750**		0.151	0.173	0.453	0.547	425	468	**0.155**	**0.155**	6100	**0.00310**	**0.00310**	3620	3860	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.78
08/21/08	3610	3990	55.7	53.6	**0.000750**		0.217		0.452	0.490	470	546	**0.155**	**0.155**	6250	**0.00310**	**0.00310**	3840	4200	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.40	2.09
09/19/08	2220	2020	57.2	32.3	**0.000750**		0.156	0.130	0.574	0.455	372	339	**0.155**	**0.155**	3920	**0.00310**	**0.00310**	2850	2600	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.738**	**0.155**	1.94	2.15
10/20/08	3360	3270	46.3	42.0	**0.00160**		0.179	0.181	0.505	0.568	381	381	**0.155**	**0.155**	6210	**0.00310**	**0.00310**	3440	3390	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.77
11/21/08	3830	3700	44.5	38.5	**0.000750**		0.119	0.113	0.611	0.603	524	512	**0.155**	**0.155**	7160	**0.00310**	**0.00310**	4020	3930	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.372**	**0.155**	1.72	1.23
12/09/08	3320	3540	55.8	54.7	**0.000750**		0.138	0.153	0.439	0.519	392	433	**0.155**	**0.155**	6680	**0.00310**	**0.00310**	3610	3850	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.32	1.39
Mean	3180	3180	49.8	40.8	0.00132	NA	0.185	0.189	0.550	0.600	480	485	0.140	0.141	5520	0.00400	0.00320	3460	3460	0.00620	0.00590	0.0720	0.0590	0.371	0.191	2.27	1.90
Median	3430	3390	46.8	40.0	0.000930	NA	0.183	0.195	0.530	0.593	461	468	0.155	0.155	6020	0.003100	0.003100	3630	3670	0.00500	0.00500	0.0500	0.0500	0.251	0.155	1.72	1.77
St. Deviation	790	810	16.3	9.90	0.00104	NA	0.0500	0.0540	0.134	0.144	115	111	0.0350	0.0330	1640	0.00410	0.000600	750	740	0.00410	0.00320	0.0820	0.0410	0.345	0.0770	2.92	1.30
# of values	48	48	48	48	48	0	48	43	48	34	48	47	48	48	48	47	48	48	48	48	48	48	48	48	47	48	37	
Minimum	1460	1350	25.2	22.9	0.000147	NA	0.0075	0.05	0.265	0.234	290	247	0.0143	0.0393	1270	0.00144	0.00144	1600	1650	0.00213	0.002125	0.0155	0.0155	0.10	0.1	0.500	0.500
Maximum	5000	4570	136	61.9	0.0046	NA	0.295	0.329	0.876	0.942	981	938	0.155	0.155	8170	0.0294	0.0064	5130	4820	0.0254	0.0125	0.500	0.155	2.20	0.434	19.7	6.93
% of values undetected	0%	0%	0%	0%	58%		17%	19%	0%	0%	0%	0%	98%	96%	0%	90%	98%	0%	0%	94%	96%	98%	100%	48%	83%	31%	22%	
# of values between MDL and PQL	0	0	0	0	12		0	0	0	0	0	0	1	2	0	3	1	0	0	2	1	0	0	17	6	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	13.96	13.91	NA	NA	5	4.6	NA	0.2781097	0.236	NA	NA	NA	NA	NA	NA	NA	NA	31.99	31.54	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	40%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT100D1																										
Sample Date																										
09/20/08	6.81	6.25	7.12	57.5	0.087	87.2	0.670	33.1	92.7	68.8	2.55	**1.57**	38.5	0.123			**0.0155**	0.0176		0.465	**0.085**	6.27	**0.00075**	**0.00075**	**0.155**	3.20
10/20/08	6.91	1.46	11.01	78.4	0.101	82.5	0.520	40.3	106	45.0	0.649	**1.57**	41.3	0.173			**0.0500**	**0.00910**		0.632	**0.040**	9.14	**0.00075**	**0.00075**	**0.155**	0.983
11/20/08	7.01	-0.060	10.83	74.1	0.109	110.7	0.650	42.0	111	75.0	1.40	**4.42**	39.3	0.225			**0.0500**	0.0155		0.618	**0.039**	11.5	**0.00075**	**0.00075**	**0.155**	0.740
12/09/08	6.92	0.760	10.44	73.1	0.102	78.8	0.700	44.1	111	72.5	**0.600**	**1.57**	42.5	0.260			**0.0155**	0.0536		0.598	**0.063**	9.66	**0.00075**	**0.00075**	**0.155**	0.508
Mean	6.91	2.10	9.850	70.8	0.1	89.8	0.640	39.9	105.2	65.0	1.30	2.28	40.4	0.195	NA	NA	0.0330	0.0240	NA	0.578	0.057	9.14	0.00075	0.00075	0.155	1.36
Median	6.92	1.11	10.64	73.6	0.102	84.9	0.660	41.2	108.5	71.0	1.02	1.57	40.3	0.199	NA	NA	0.0330	0.0166	NA	0.608	0.052	9.40	0.00075	0.00075	0.155	0.860
St. Deviation	0.080	2.83	1.840	9.10	0.009	14.4	0.0800	4.80	8.60	14.0	0.910	1.43	1.80	0.060	NA	NA	0.0200	0.0201	NA	0.0770	0.022	2.17	0	0	0	1.24
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	4	0	4	4	4	4	4	4	4
Minimum	6.81	-0.06	7.12	57.5	0	78.8	0.520	33.1	92.7	45	0.600	1.57	38.5	0.123	NA	NA	0.0155	0.0091	NA	0.465	0.039	6.27	0.00075	0.00075	0.155	0.508
Maximum	7.01	6.25	11.01	78.4	0	110.7	0.700	44.1	111	75	2.55	4.42	42.5	0.260	NA	NA	0.0500	0.0536	NA	0.632	0.085	11.5	0.00075	0.00075	0.155	3.20
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	0%	0%			100%	0%		0%	0%	0%	100%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	1	0	0			0	1		0	4	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.25	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100D1																												
Sample Date																												
09/20/08	56.6	15.1	**0.0075**	**0.00750**	**0.155**	**0.155**	5.50	5.46	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8670	9340	0.258	0.309	0.146	0.0961	0.703	0.478	264.0	103.0	**0.0155**	**0.0155**
10/20/08	34.1	8.42	**0.0075**	**0.00750**	**0.155**	**0.155**	5.93	6.34	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10500	11500	0.217	0.237	0.164	0.155	0.405	0.384	141.0	67.5	**0.0155**	**0.0155**
11/20/08	39.8	4.23	**0.0075**	**0.00750**	**0.155**	**0.155**	6.66	6.36	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11100	10700	**0.100**	**0.0500**	0.196	0.178	0.535	0.291	108.0	41.5	**0.0155**	**0.0155**
12/09/08	34.8	6.76	**0.0075**	**0.00750**	**0.155**	**0.155**	6.04	5.84	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11600	11400	0.216	0.267	0.139	0.142	0.383		125.0	56.2	**0.0155**	**0.0318**
Mean	41.3	8.63	0.0075	0.00750	0.155	0.155	6.03	6.00	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.00750	0.00750	10500	10700	0.198	0.216	0.161	0.143	0.507	0.384	160.0	67.1	0.0155	0.0196
Median	37.3	7.59	0.0075	0.00750	0.155	0.155	5.99	6.09	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.00750	0.00750	10800	11100	0.217	0.252	0.155	0.149	0.47	0.384	133.0	61.9	0.0155	0.0155
St. Deviation	10.5	4.65	0	0	0	0	0.480	0.430	0	0	0	0	0	0	0	0	1300	1000	0.068	0.114	0.025	0.0340	0.147	0.0940	71.0	26.2	0	0.00810
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4
Minimum	34.1	4.23	0.0075	0.0075	0.155	0.155	5.50	5.46	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.00750	8670	9340	0.100	0.05	0.139	0.0961	0.383	0.291	108	41.5	0.0155	0.0155
Maximum	56.6	15.1	0.0075	0.0075	0.155	0.155	6.66	6.36	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	11600	11500	0.258	0.309	0.196	0.178	0.703	0.478	264	103	0.0155	0.0318
% of values undetected	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	100%	75%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.122	0.116	NA	NA	10.98	10.56276	NA	NA	3.728	3.579	1000	1000	0.811	0.769
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100D1																												
Sample Date																												
09/20/08	2770	3160	23.2	15.5	**0.000750**		0.099	**0.00750**	0.490	0.592	448	481	**0.155**	**0.155**	6330	**0.00310**	**0.00310**	2780	3100	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.42
10/20/08	3420	3810	19.7	17.2	**0.00194**		0.124	0.139	0.607	0.695	492	550	**0.155**	**0.155**	8230	**0.00310**	**0.00310**	3440	3780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.62
11/20/08	3500	3420	18.6	16.5	**0.000750**		0.0600	0.052	0.753	0.762	698	686	**0.155**	**0.155**	7990	**0.00310**	**0.00310**	3720	3670	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.62	1.99
12/09/08	3710	3640	18.2	15.8	**0.000750**		0.0964	0.115	0.545		540	552	**0.155**	**0.155**	7990	**0.00310**	**0.00310**	3770	3780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.36	
Mean	3350	3510	19.9	16.3	0.00105	NA	0.0950	0.0780	0.599	0.683	545	567	0.155	0.155	7640	0.00310	0.00310	3430	3580	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.00	1.68
Median	3460	3530	19.2	16.2	0.000750	NA	0.0980	0.0840	0.576	0.695	516	551	0.155	0.155	7990	0.00310	0.00310	3580	3730	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.900	1.62
St. Deviation	410	280	2.30	0.80	0.000600	NA	0.0260	0.0600	0.113	0.0860	109	86	0	0	880	0	0	460	330	0	0	0	0	0	0	0.600	0.290
# of values	4	4	4	4	4	0	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
Minimum	2770	3160	18.2	15.5	0.000750	NA	0.0600	0.00750	0.490	0.592	448	481	0.155	0.155	6330	0.00310	0.00310	2780	3100	0.00500	0.0050	0.0500	0.0500	0.155	0.155	0.500	1.42
Maximum	3710	3810	23.2	17.2	0.00194	NA	0.124	0.139	0.753	0.762	698	686	0.155	0.155	8230	0.00310	0.00310	3770	3780	0.00500	0.00500	0.05	0.0500	0.155	0.155	1.62	1.99
% of values undetected	0%	0%	0%	0%	75%		0%	25%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	50%	0%
# of values between MDL and PQL	0	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	21.03	20.97	NA	NA	5	4.6	NA	0.640454	0.544	NA	NA	NA	NA	NA	NA	NA	NA	48.25	47.57
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT100E																										
Sample Date																										
04/30/04	7.59	0.750	12.27		0.049	-10.0	7.90	18.0	48.0	41.3	6.59	**1.57**	18.5	**0.0990**			**0.0155**	**0.0155**		0.676	**0.0500**	2.88	**0.00125**	**0.00280**	**0.0650**	
05/02/04								10.0	28.0	40.0	1.20	**1.57**	**8.00**	0.110			**0.0155**	**0.0155**		0.653	**0.0500**	3.40	**0.00125**	**0.00125**	**0.0650**	
05/20/04	6.59	5.62	11.66			504.0		32.5	80.0	66.3	1.23	**1.57**	36.0	**0.0390**			**0.0155**	**0.0155**		0.662	**0.0500**	4.76	**0.00125**	**0.00125**	**0.0650**	
06/04/04													40.0													
06/17/04	6.95	6.07	11.69		0.090	52.0	1.60	31.9	85.0	51.3	2.50	**3.60**	40.0	**0.0850**			**0.0155**	**0.0155**		0.593	**0.0640**	5.24	0.0081	**0.00440**	**0.0650**	
07/15/04	7.28	6.15			0.103	-92.0	0.700	38.0	105.0	68.8	1.30	**3.50**	42.0	**0.310**			**0.0155**	0.114		0.708	**0.0500**	7.04	**0.00125**	0.0080	**0.0650**	
08/16/04													36.5													
08/25/04	7.29	5.24		122.3	0.105	203.0	1.80	36.4	100.0	63.8	**0.300**	**3.20**	42.5	**0.470**			**0.0500**	**0.0155**		0.837	0.129	7.36	**0.00125**	**0.00125**	**0.0650**	
09/17/04	7.37	1.96	12.56	91.3	0.101	211.0	0.600	32.8	100.0	67.5	0.600	**3.20**	41.5				**0.0430**	**0.0400**		0.744	**0.0760**	7.76	**0.00125**	**0.00125**	**0.200**	
10/18/04	6.74	3.00	13.99		0.086			33.7	100.0	28.8	0.900	**3.20**	42.0	**0.440**			**0.0155**	**0.0155**		1.03	**0.0155**	7.06	**0.0040**	**0.00125**	**0.0295**	
01/25/05	6.03	2.40	13.04		0.109	88.0		41.4	105.0	67.5	0.500	**4.25**	45.0	0.660			0.105	0.0476		0.809	**0.0450**	8.29	**0.00125**	**0.00125**	**0.280**	
03/18/05	7.48	3.54	12.92	98.6	0.106	69.0	1.70	44.9	112.0	70.0	**2.50**	2.00	46.0	0.200			**0.0100**	0.0200		0.800	**0.0300**	8.20	**0.0015**	**0.0030**	**0.0250**	
03/23/05	7.65	3.11	13.04	98.1	0.110	92.0																				
05/02/05	6.19	1.27	13.85	98.2	0.062	154.2	0.830	22.1	60.0	43.8	1.00	5.20	24.5	0.210			**0.0155**	0.0315		0.795	**0.0155**	2.99			**0.480**	
06/04/05	7.51	7.09	11.66	97.2	0.098	64.0	5.00	34.5	85.0	67.5	1.20	5.00	36.0	0.200			**0.0155**	0.0165		0.456	**0.0350**	7.08	**0.00125**	**0.00125**	**0.082**	
07/11/05	6.34	6.27	11.07	89.6	0.097	-127.2	0.850	45.9	95.0	46.3	1.33	**1.63**	42.5	0.206			**0.0500**	0.0790		0.591	**0.0500**	6.18	**0.0025**	**0.00250**	**0.300**	
08/16/05	7.02	6.59	13.26	108.0	0.100	189.7	0.720	43.5	100.0	82.5	1.69	**2.75**	43.5	0.129			**0.0155**	**0.0180**		0.631	**0.0400**	7.19	**0.00125**	**0.0040**	**0.840**	
09/12/05	6.64	7.31	11.59		0.087	108.3	1.30	38.5	90.0	61.3	0.928	**4.38**	39.5	0.241			**0.0500**	0.0210		1.05	**0.0360**	4.60	**0.00125**	**0.00125**	**0.460**	
10/30/05	7.09	1.85	12.69	91.4	0.103	-152.2	0.620	44.8	105.0	106.0	**0.147**	**3.60**	45.0	0.370			**0.0155**	**0.0170**		0.746	**0.0370**	7.49	**0.00125**	**0.00125**	**0.280**	
01/19/06	6.78	0.440			0.101	-7.6	0.390	41.4	110.0	58.8	0.761	**3.25**	45.5	0.231			**0.0155**	**0.00165**		0.750	**0.0330**	8.40	**0.0025**	**0.00125**	**0.320**	
02/07/06	6.80	2.03	10.65	77.1	0.103	36.9	0.340	47.3	120.0	92.5	1.40	**3.50**	48.0	0.185			**0.0500**	0.0240		0.758	**0.0155**	8.01	**0.00125**	**0.00125**	**0.0295**	
03/15/06	7.44	2.26	9.32	68.0	0.105	-55.6	1.07	52.3	90.0	71.2	**0.0750**	**3.75**	48.0	0.254			**0.0500**	0.0120		0.760	**0.0155**	8.35	**0.00125**	**0.00125**	**0.155**	
05/18/06	5.87	1.67	10.91	78.1	0.059	-9.6		26.0	65.0	45.0	6.18	**2.33**	28.0	1.74	**0.0155**	1.74	**0.0390**	0.0366	**0.0155**	0.932	**0.0155**	2.91	**0.00125**	**0.0025**	**0.155**	
06/17/06	6.74	7.44	7.94	66.2	0.080	30.8	0.740	37.9	80.0	60.0	1.40	**4.00**	30.0	0.210	**0.0155**	0.185	**0.0155**	0.0130	**0.0155**	0.606	**0.0490**	5.13	**0.00125**	**0.00125**	**0.155**	
07/24/06	6.94	5.35	8.35	66.1	0.092	130.3	1.13	40.5	90.0	60.0	2.15	**3.75**	43.0	**0.0730**	**0.0155**	**0.0730**	**0.0630**	0.0200	**0.05**	0.613	**0.0620**	6.37	**0.0030**	**0.0025**	**0.155**	
08/15/06	6.70	7.73	8.77	73.6	0.062	100.7	0.910	27.2	60.0	62.5	2.42	**3.25**	29.0	**0.0535**	**0.0155**	**0.0445**	**0.0155**	0.0240	**0.05**	0.376	**0.0600**	3.04	**0.00075**	**0.00075**	**0.155**	
09/12/06	7.10	5.62	9.94	79.2	0.093	207.8	0.300	42.2	90.0	63.8	0.500	**1.57**	42.0	0.162	**0.0155**	0.160	**0.0410**	0.0110		0.712	**0.0320**	6.48	**0.00075**	**0.00075**	**0.155**	
11/02/06	6.42	1.90	10.61	76.4	0.098	24.7	0.260	43.9	85.0	48.8	**0.417**	**5.00**	43.0	0.190	**0.0155**	0.181	**0.0155**	0.0170	**0.0155**	0.645	**0.0155**	6.65	**0.00075**	**0.00075**	**0.155**	
12/12/06	6.92	1.28	9.62	68.1	0.102		0.230	40.6	100.0	71.2	**0.400**	**1.57**	48.0	0.547	**0.0155**	0.535	0.219	0.0190	**0.05**	0.721	**0.0330**	7.52	**0.00075**	**0.0030**	**0.155**	
01/14/07	5.06	1.32	8.61	61.1	0.102	142.1	0.280	41.5	95.0	68.8	**0.1615**	**1.57**	49.0	0.208	**0.0155**	0.201	**0.0155**	0.0130	**0.0155**	0.681	**0.0340**	7.61	**0.00075**	**0.00075**	**0.155**	
02/20/07	8.08	0.040	6.56	44.9	0.079	110.8	0.300	41.8	100.0	62.5	2.08	**1.57**	48.0	0.272	**0.0155**	0.261	**0.0155**	**0.0080**	**0.0155**	0.696	**0.0350**	8.03	**0.00075**	**0.00075**	**0.155**	
03/14/07	6.93	0.940	11.60	81.7	0.077	204.8	0.140	38.0	100.0	72.5	**0.1545**	**3.50**	44.0	0.210	**0.0155**	0.209	**0.0155**	0.0210		0.651	**0.0320**	8.12	**0.00075**	**0.00075**	**0.155**	
04/01/07	7.77	3.43	10.43	78.4	0.104	102.0																				
04/23/07	7.03	1.56	11.31	81.0	0.055	84.0	1.24	22.1	50.0	20.0	5.40	**1.57**	20.0	0.275	**0.0155**	0.261	**0.0428**	0.0220	**0.05**	0.756	**0.0480**	2.84	**0.00075**	**0.00075**	**0.460**	
05/14/07	6.92	2.53	10.91	80.6	0.083	203.6	1.32	36.2	75.0	41.3	3.02	**1.57**	37.0	0.162			**0.0155**	0.0209		0.710	**0.0460**	4.90	**0.00075**	**0.00075**	**0.155**	
06/19/07	7.30	9.69	10.09	88.8	0.098	102.6	0.740	41.2	95.0	63.7	1.00	**1.57**	42.5	**0.050**			**0.0155**	0.0178		0.726	**0.0780**	7.60	**0.00075**	**0.00075**	**0.155**	0.864
07/15/07	7.45	5.23	8.80	68.0	0.096	104.3	0.25	41.1	100.0	61.3	**0.150**	**1.57**	42.1	0.146			**0.0155**	0.0151		0.637	**0.0540**	6.96	**0.00075**	**0.00075**	**0.155**	1.25
08/18/07	7.44	5.52	10.04	79.7	0.096	30.9	1.01	38.1	100.0	65.0	3.93	**5.50**	42.8	0.145			**0.0500**	0.234		0.588	**0.0400**	6.59	**0.00075**	**0.00075**	**0.155**	1.36
09/19/07	6.61	6.28	9.53	77.4	0.070	108.5	2.11	35.4	70.0	41.3	10.5	**4.00**	30.5	0.106			**0.0155**	0.0258		0.855	**0.0330**	3.86	**0.00075**	**0.00075**	**0.500**	4.57
10/16/07	6.42	1.88	10.53	76.0	0.085	196.1	0.440	42.4	95.0	66.3	**0.426**	**3.50**	45.2	0.257			**0.0155**	0.0185		0.601	**0.0390**	6.22	**0.00075**	**0.00075**	**0.155**	0.652
11/12/07	6.81	1.80	10.03	72.1	0.087	198.7	0.290	43.0	100.0	20.0	**0.147**	**1.57**	41.9	0.237			**0.0155**	0.0304		0.630	**0.0390**	6.84	**0.00075**	**0.0016**	**0.155**	0.926
12/11/07	7.51	1.52	11.93	85.2	0.100	174.3	0.520	46.5	96.8	55.0	1.06	**1.57**	44.2	0.263			**0.0155**	0.0278		0.600	**0.0350**	5.83	**0.00075**	**0.0025**	**0.155**	0.777
01/18/08	5.76	2.20	9.71	70.6	0.061	126.0	0.450	43.3	128.0	77.5	1.00	**5.00**	46.0	2.54			**0.0155**	0.0222		0.612	**0.0400**	6.76	**0.00075**	**0.00075**	**0.155**	0.546
02/22/08	7.26	2.59	9.02	66.6	0.106	200.3	0.630	44.5	114.0	86.3	12.2	**6.52**	46.8	0.163			**0.0155**	0.0626		0.622	**0.0370**	7.05	**0.00075**	**0.0025**	**0.155**	0.577
03/14/08	6.99	1.85	10.23	73.6	0.103	209.6	0.330	36.7	106.0	85.0	**0.165**	**5.44**	47.1	0.204			**0.0155**	0.0146		0.628	**0.0390**	7.35	**0.0025**	0.0056	**0.155**	0.681
03/27/08	7.48	2.77	13.53	99.9	0.113	202.5																				
04/21/08	7.88	3.39	13.47	101.1	0.104	209.9	0.360	43.8	110.0	65.0	0.674	**1.57**	46.6	**0.050**			**0.0155**	0.0243		0.615	**0.0410**	7.57	**0.00075**	**0.00075**	**0.155**	0.600
05/18/08	7.96	0.840	9.23	64.7	0.054	153.8	1.58	21.8	63.6	43.8	11.6	**3.36**	25.3	0.267			0.196	0.0203		0.526	**0.0155**	2.59	**0.0025**	0.0052	**0.155**	3.16
06/13/08	7.64	4.93	9.29	72.6	0.084	174.6	0.650	36.5	84.3	53.8	1.20	**3.30**	37.6	0.247			0.114	**0.0074**		0.384	**0.0390**	6.29	**0.00075**	**0.00075**	**0.155**	2.12
07/16/08	7.03	5.79	7.24	57.9	0.092	192.0	0.230	43.2	94.8	62.5	**0.300**	**3.60**	42.5	0.242			0.218	0.0192		0.500	**0.0450**	5.46	**0.0025**	**0.0026**	**0.310**	0.996
08/21/08	7.35	5.31	9.49	75.8	0.089	17.9	1.28	38.5	88.2	60.0	23.4	**1.57**	39.5	0.154			**0.0155**	0.0427		0.743	**0.0430**	4.86	**0.0025**	**0.00075**	**0.155**	2.34
09/20/08	6.61	5.16	9.40	74.1	0.087	203.9	1.11	34.4	90.3	62.5	3.06	**3.64**	40.1	0.152			**0.0155**	0.0225		0.632	**0.0155**	4.27	**0.00075**	**0.00075**	**0.155**	3.01
10/20/08	6.99	1.92	9.54	68.8	0.099	156.5	0.470	42.0	103.0	56.3	**0.309**	**3.36**	44.8	0.222			**0.0500**	0.0128		0.600	**0.0350**	5.87	**0.00075**	**0.00075**	**0.155**	0.857
11/20/08	6.80	0.050	2.69	18.1	0.098	135.7	0.950	42.2	106.0	72.5	6.40	**3.34**	42.5	0.261			**0.0500**	0.0262		0.675	**0.0320**	7.27	**0.00075**	**0.00075**	**0.155**	0.571
12/10/08	6.87	1.27	10.46	74.1	0.099	193.6	0.350	45.4	108.0	73.8	**0.825**	**3.34**	43.0	0.982			**0.0500**	0.0254		0.587	**0.0440**	6.87	**0.00075**	**0.00075**	**0.155**	**0.440**
Mean	6.99	3.53	10.51	78.2	0.091	115.0	1.02	37.8	91.2	60.9	2.58	3.11	40.0	0.311	0.0155	0.350	0.0401	0.0286	0.03	0.678	0.0410	6.16	0.0014	0.0017	0.190	1.38
Median	6.99	2.68	10.46	76.8	0.097	118.4	0.700	40.6	95.0	62.5	1.13	3.32	43.0	0.210	0.0155	0.201	0.0155	0.0200	0.016	0.658	0.0390	6.71	0.0013	0.0013	0.155	0.864
St. Deviation	0.580	2.37	2.100	17.2	0.016	108.4	1.32	8.20	19.3	16.6	4.16	1.32	8.00	0.422	0	0.478	0.0491	0.0349	0.02	0.131	0.0190	1.72	0.0012	0.0015	0.145	1.14
# of values	52	52	49	44	51	50	45	50	50	50	50	50	52	49	11	11	50	50	9	50	50	50	49	49	50	19
Minimum	5.06	0.04	2.69	18.1	0.049	-152.2	0.140	10.0	28.0	20	0.0750	1.57	8.0	0.039	0.0155	0.0445	0.0100	0.00165	0.0155	0.376	0.0155	2.59	0.00075	0.00075	0.025	0.440
Maximum	8.08	9.69	13.99	122.3	0.113	504	7.90	52.3	128.0	106	23.4	6.52	49.0	2.54	0.0155	1.74	0.219	0.234	0.050	1.05	0.129	8.40	0.0081	0.008	0.840	4.57
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	30%	0%	6%	100%	0%	80%	14%	100%	0%	28%	0%	94%	82%	78%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	7	32	1	7	0	2	5	5	0	0	35	0	2	6	11	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.96	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	15%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%
% of DWS exceedences	6%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100E																												
Sample Date																												
04/30/04	148	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.09	2.93	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4500	4800	0.265		0.128		0.914	0.597	451.0	137.0	**0.100**	**0.0500**
05/02/04	46.5	**12.5**	**0.0385**	**0.100**	**0.300**	**0.125**	2.90	2.94	0.0456	**0.0296**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0395**	**0.0425**	2790	2790	**0.160**	**0.181**	**0.0894**		1.58	1.90	325.0	156.0	**0.0500**	**0.100**
05/20/04	40.8	**12.5**	**0.0385**	**0.100**	**0.125**	**0.125**	4.18	4.09	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8580	8350	0.201	**0.100**	**0.0482**		0.317	0.316	166.0	96.7	**0.0500**	**0.0500**
06/04/04																												
06/17/04	49.1	**12.5**	**0.0385**	0.206	**0.125**	**0.125**	5.32	4.85	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**4.27**	**0.0155**	**0.0155**	8470	8520	0.207	0.237	**0.0500**		0.384	0.460	173.0	54.5	**0.0500**	**0.0500**
07/15/04	**12.5**	**3.90**	**0.0385**	**0.0385**	**0.125**	**0.125**	5.46	4.58	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0500**	9950	9020	**0.100**	0.232	**0.0500**		0.250	**0.100**	64.7	26.1	**0.0500**	**0.0500**
08/16/04																												
08/25/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.79	4.66	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	10000	10100	0.216	**0.197**	**0.0500**	**0.0500**	0.365	0.334	100.0	42.5	**0.0500**	**0.0500**
09/17/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.326**	4.70	4.94	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8600		**0.174**	**0.165**	**0.0500**		**0.100**	0.207	119.0	**16.4**	**0.0500**	**0.0500**
10/18/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.94	4.80	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8570	8780	0.256	0.226	**0.0500**		0.274	0.368	80.3	30.6	**0.0500**	**0.0500**
01/25/05	16.9	3.09	0.0144	0.0192	**0.125**	**0.125**	5.72	5.96	**0.00750**	**0.00750**	**0.00155**	**0.00520**	**4.60**	**1.55**	**0.0250**	**0.0250**	10400	10600	0.436	0.541	0.0560	0.0410	0.179		68.2	**10.0**	**0.0155**	**0.0596**
03/18/05	13.1	2.00	**0.00963**	**0.0142**	0.126	0.115	5.60	5.54	**0.00150**	**0.00150**	**0.00384**	**0.00384**	2.09	2.26	**0.00310**	**0.00310**	11900	11200	**0.136**	**0.133**	0.0316	**0.0232**	0.132	0.111	48.8	8.4	**0.0110**	**0.0350**
03/23/05																												
05/02/05	44.7	21.8	**0.00405**	**0.0100**	0.122	0.0886	4.97	4.46	**0.00150**	**0.00150**	**0.00384**	**0.00384**	2.18	2.11	**0.00310**	**0.0100**	5650	5830	**0.0357**	**0.0357**	0.0719	0.0605	0.284	0.270	197.0	111.0	**0.0350**	**0.0350**
06/04/05	28.7	4.31	0.0136	0.0190	**0.125**	**0.125**	4.41	4.35	**0.00750**	**0.00750**	**0.00155**	**0.00420**	**1.55**	**4.20**	**0.00775**	**0.00775**	8900	9420	**0.100**	**0.0310**	0.0438	0.0416	0.162	0.180	77.7	28.6	**0.0155**	
07/11/05	14.1	3.41	**0.0050**	**0.00155**	**0.125**	**0.125**	4.84	4.41	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	11600	11400	**0.100**	0.257	0.0404	0.0208	0.176		147.0	41.9	**0.0155**	
08/16/05	15.1	2.95	**0.00155**	**0.00155**	**0.323**	**0.125**	5.26	5.06	**0.00750**	**0.00750**	**0.00500**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	11500	11800	0.671		0.0516	0.0370	0.297	0.314	153.0	34.3	**0.0155**	
09/12/05	62.3	18.1	**0.0050**	**0.00500**	**0.125**	**0.125**	6.14	5.77	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	9600	9670	0.996	1.06	0.129	0.0858	0.338	0.433	323.0	109.0	**0.0155**	0.127
10/30/05	13.1	3.28	0.0150	0.0238	**0.275**	**0.125**	5.79	5.64	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**3.60**	**3.90**	**0.00775**	**0.00775**	11400	11100	0.438	0.465	0.0568	0.0532	0.233		72.8	**11.0**	**0.0155**	
01/19/06	22.5	2.43	**0.0226**	**0.0272**	**0.155**	**0.155**	5.36	5.56	**0.0120**	**0.0120**	**0.0075**	**0.0214**	**1.76**	**2.88**	**0.0125**	**0.0125**	10800	12000	0.646	0.467	0.0628	0.0544	0.230	0.233	86.3	**19.1**	6.11	0.0810
02/07/06	21.5	2.71	**0.0260**	**0.0274**	**0.155**	**0.155**	6.11	5.81	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**2.03**	**2.21**	**0.0125**	**0.0125**	12400	12500	0.568	0.248	0.0642	0.0456	0.301	0.363	81.2	**10.0**	**0.0130**	
03/15/06	5.39	2.29	**0.0075**	**0.0250**	**0.155**	**0.155**	5.94	5.00	**0.0120**	**0.0120**	**0.00750**	0.0550	**0.750**	**2.50**	**0.0125**	**0.0125**	13700	11900	0.371		0.0388	0.0438	0.143		44.8	**10.0**	0.0690	
05/18/06	116	17.8	**0.0250**	**0.0250**	**0.155**	**0.155**	5.79	4.51	**0.0120**	**0.0120**	**0.00750**	**0.0250**	**0.750**	**2.89**	**0.0125**	**0.0125**	6620	6790	0.382		0.194	0.0924	0.348	0.253	607.0	197.0	0.185	0.0522
06/17/06	47.7	10.2	0.0856	**0.0075**	**0.155**	**0.155**	5.56	4.46	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	0.125	**0.0125**	9830	8590	0.957	0.879	0.0784	0.0548	0.373	0.261	147.0	51.0	2.81	0.240
07/24/06	7.83	4.35	**0.0238**	**0.0220**	**0.155**	**0.155**	5.42	5.06	**0.0125**	**0.0125**	**0.0168**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10700	10500	0.461	0.464	0.0742	0.0582	0.224	0.250	112.0	44.4	**0.0500**	
08/15/06	63.4	28.5	**0.0075**	**0.00750**	**0.155**	**0.155**	5.04	4.49	**0.0125**	**0.0125**	**0.00750**	**0.0194**	**1.25**	**1.25**	**0.0185**	**0.0185**	7540	7580	**0.050**	**0.050**	0.107	0.0344	0.349	0.442	243.0	97.1	0.104	
09/12/06	13.4	8.24	**0.0075**	**0.0150**	**0.155**	**0.155**	5.68	5.07	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10800	10200	**0.100**	0.257	0.0500	0.0432	0.220		115.0	69.4	0.114	
11/02/06	9.09	4.09	**0.0075**	**0.0250**	**0.155**	**0.155**	5.85	6.87	**0.0125**	**0.0125**	**0.00750**	**0.0198**	**1.25**	**1.25**	**0.0185**	**0.0185**	11500	11800	0.598	0.752	0.0432	0.0390	0.222		58.2	26.6	**0.0500**	
12/12/06	15.0	2.09	**0.0075**	**0.00750**	**0.155**	**0.155**	5.60	6.18	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10500	10900	**0.0500**	**0.0500**	0.0486	0.0328	0.256		85.6	**15.9**	**0.0500**	**0.0500**
01/14/07	7.53	**1.00**	**0.0250**	**0.0250**	**0.320**	**0.155**	5.22	6.26	0.0550	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10900	12000	**0.0500**	**0.159**	0.0286	**0.0156**	0.191	0.255	25.9	**3.1**	0.779	**0.0155**
02/20/07	32.1	2.37	0.0736	**0.0250**	**0.155**	**0.155**	5.79	6.16	**0.0125**	**0.0125**	**0.0170**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11500	12200	**0.100**		0.0850	0.0508	0.255		108.0	**10.0**	**0.0500**	**0.0500**
03/14/07	7.15	**1.00**	**0.0075**	**0.0250**	**0.155**	**0.155**	4.54	4.95	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10100	10800	**0.0500**	**0.100**	0.0250		0.162		25.3	**10.0**	**0.0155**	**0.0500**
04/01/07																												
04/23/07	128	15.6	**0.0226**	**0.0236**	**0.155**	**0.155**	4.91	3.97	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0184**	5690	5740	0.350	0.322	0.124	0.0934	0.390		375.0	103.0	**0.0936**	**0.0576**
05/14/07	31.7	8.17	**0.0152**	**0.00750**	**0.155**	**0.155**	5.75	5.27	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9270	9070	0.393	0.302	0.0640	0.0648	0.232		195.0	102.0	**0.0155**	**0.0155**
06/19/07	17.9	4.21	**0.0250**	**0.0250**	**0.155**	**0.155**	5.67	5.83	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10900	10800	0.216	0.350	0.0388	0.0332	0.253	0.263	82.3	47.4	**0.0500**	**0.0155**
07/15/07	9.23	3.01	**0.0075**	**0.0250**	**0.155**	**0.155**	5.26	5.35	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10800	10500	0.435	0.321	0.0374	0.0320	0.182	0.218	81.4	50.5	**0.0155**	**0.0155**
08/18/07	89.5	5.49	**0.0075**	**0.0204**	**0.155**	**0.155**	5.80	5.37	**0.0125**	**0.0125**	**0.0250**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10000	10500	0.387	0.215	0.101	0.0314	0.499		242.0	31.4	**0.0500**	**0.0155**
09/19/07	260	28.1	**0.0075**	**0.00750**	**0.155**	**0.155**	8.09	5.97	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8970	9090	0.547	0.296	0.224	0.0582	0.368	0.302	551.0	112.0	**0.0500**	**0.0155**
10/16/07	16.7	3.64	**0.0075**	**0.00750**	**0.155**	**0.155**	5.51	6.00	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11100	11300	0.364	0.373	0.0376	0.0268	0.202	0.287	78.3	34.7	**0.0155**	**0.0155**
11/12/07	18.9	3.89	**0.0075**	**0.0160**	**0.155**	**0.155**	5.52	6.55	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11100	11100	0.448	0.445	0.0304	0.0280	0.645	0.379	72.7	42.5	**0.0155**	**0.0155**
12/11/07	20.5	4.12	**0.0075**	**0.0166**	**0.155**	**0.155**	5.70	6.09	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	12000	12000	0.466	0.461	0.0348	0.0466	0.158	0.205	75.8	33.0	**0.0155**	**0.0155**
01/18/08	6.90	2.19	**0.0075**	**0.0234**	**0.155**	**0.155**	5.42	6.09	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11600	12300	0.432	0.452	0.0224	0.0212	0.209	0.222	45.8	25.4	**0.0155**	**0.0500**
02/22/08	9.34	2.26	**0.0075**	**0.0250**	**0.155**	**0.155**	5.52	5.60	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11600	12100	0.451	0.398	0.0270	0.0228	0.167		63.9	35.3	**0.0155**	**0.0155**
03/14/08	3.20	**1.00**	**0.0075**	**0.00750**	**0.155**	**0.155**	4.38	4.43	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9800	9950	**0.0500**	**0.0500**	0.0228	0.0244	0.120	0.144	53.8	42.1	**0.0155**	**0.0155**
03/27/08																												
04/21/08	5.26	2.59	**0.0075**	**0.00750**	**0.155**	**0.155**	5.04	5.04	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11500	11500	0.543	0.537	0.0254	0.0233	0.225		70.8	45.4	**0.0155**	**0.0500**
05/18/08	118	18.1	**0.0075**	**0.00750**	**0.155**	**0.155**	4.69	3.70	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0250**	5570	5590	0.205	**0.0500**	0.112	0.0441	0.281		362.0	133.0	0.698	0.103
06/13/08	26.4	6.59	**0.0075**	**0.00750**	**0.155**	**0.155**	5.53	5.03	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9390	9370	0.310	0.294	0.0469	0.0309	0.226		120.0	62.9	**0.0500**	**0.0155**
07/16/08	13.6	3.35	**0.0075**	**0.00750**	**0.155**	**0.155**	5.25	5.02	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10800	10400	0.246	**0.100**	0.0277	0.0245	0.245	0.221	88.6	59.0	**0.0155**	**0.0155**
08/21/08	110	5.25	**0.0168**	**0.0235**	**0.155**	**0.155**	6.51	5.79	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10100	10200	0.299	0.228	0.126	0.0306	0.303	0.253	361.0	64.5	**0.0155**	0.103
09/20/08	53.4	10.8	**0.0075**	**0.00750**	**0.155**	**0.155**	5.13	4.93	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8810	9230	**0.100**	0.373	0.0724	0.0352	0.570	0.574	200.0	68.4	**0.0155**	**0.0155**
10/20/08	18.1	4.74	**0.0195**	**0.00750**	**0.155**	**0.155**	5.47	5.38	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10700	10700	0.227	0.252	0.035	0.0280	0.210		94.5	45.7	**0.0155**	**0.0155**
11/20/08	57.2	2.08	**0.0075**	**0.00750**	**0.155**	**0.155**	6.06	5.40	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10900	10900	0.207	**0.100**	0.0672	0.0251	0.339	0.195	151.0	25.9	**0.0379**	**0.0155**
12/10/08	29.9	2.97	**0.0075**	**0.00750**	**0.155**	**0.155**	5.93	5.37	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11700	11300	0.259	0.203	0.0437	0.0237	0.230		113.0	24.6	0.129	**0.0155**
Mean	39.1	7.51	0.0184	0.0250	0.159	0.148	5.36	5.15	0.0122	0.0111	0.126	0.1276	1.67	1.83	0.0133	0.0125	9800	9900	0.316	0.298	0.0643	0.0411	0.306	0.341	156.0	53.3	0.247	0.0464
Median	18.5	4.17	0.00750	0.0200	0.155	0.155	5.47	5.07	0.0125	0.0125	0.00750	0.007500	1.25	1.25	0.00750	0.00780	10500	10500	0.262	0.252	0.0500	0.0361	0.248	0.262	104.0	42.3	0.0500	0.0500
St. Deviation	47.7	6.86	0.0173	0.0320	0.0460	0.030	0.740	0.830	0.00840	0.00390	0.275	0.2745	1.05	1.11	0.0173	0.00860	2100	2100	0.221	0.218	0.0420	0.0187	0.232	0.307	133.0	43.1	0.941	0.0428
# of values	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	45	50	42	50	32	50	50	50	40
Minimum	3.2	1	0.00155	0.00155	0.122	0.0886	2.90	2.93	0.00150	0.00150	0.00155	0.00155	0.75	0.75	0.0031	0.0031	2790	2790	0.036	0.031	0.0224	0.0156	0.1	0.1	25.3	3.1	0.011	0.0155
Maximum	260	28.5	0.0856	0.206	0.323	0.326	8.09	6.87	0.055	0.02960	0.750	0.75	5.00	5.00	0.1250	0.0500	13700	12500	0.996	1.06	0.224	0.0934	1.58	1.9	607	197	6.11	0.24
% of values undetected	8%	22%	74%	70%	88%	94%	0%	0%	96%	98%	94%	88%	88%	84%	96%	96%	0%	0%	24%	22%	10%	2%	2%	3%	0%	12%	78%	80%
# of values between MDL and PQL	0	0	8	11	4	1	0	0	0	1	3	5	4	6	1	2	0	0	3	5	2	2	0	0	0	4	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.088	0.085	NA	NA	10.98	10.56276	NA	NA	2.552	2.450	1000	1000	0.461	0.467
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT100E																												
Sample Date																												
04/30/04	1650	1620	27.5	6.78	0.00270		**0.155**	**0.155**	0.274		566	554	**0.155**	**0.155**	3080	**0.00310**	**0.00310**	1860	1840	**0.0125**	**0.0125**	**0.155**	**0.155**	0.446	**0.259**	2.87	3.33
05/02/04	746	783	24.1	22.4			**0.518**	**0.461**	0.236	0.335	380	395	**0.155**	**0.155**	2270	**0.00310**	**0.00310**	1270	1240	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.272**	2.23		
05/20/04	2690	2890	7.37	5.86	0.00160		**0.155**	**0.155**	0.342	0.487	457	484	**0.155**	**0.155**	5690	**0.00310**	**0.00310**	2840	2970	**0.0125**	**0.0125**	**0.155**	**0.155**	0.408	**0.200**	1.65	2.02
06/04/04																												
06/17/04	2600	2590	12.4	7.99	**0.000500**		**0.155**	**0.155**	0.375	0.540	393	404	**0.155**	**0.155**	6250	**0.00310**	**0.00310**	2830	2800	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.297**	**0.281**	2.24	1.96
07/15/04	3190	3050	2.85		**0.000500**		**0.155**	**0.155**	0.381	0.536	536	470	**0.155**	**0.155**	7180	**0.00310**	**0.00310**	3480	3360	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	**0.750**
08/16/04																												
08/25/04	2770	2970	3.46	1.92	**0.000500**		**0.155**	**0.155**	0.345	0.329	543	528	**0.155**	**0.155**	8500	**0.00310**	**0.00310**	2920	3050	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	**0.750**
09/17/04	2760	3230	2.18	4.98	**0.000500**		**0.155**	**0.155**	0.341		506	559	**0.155**	**0.155**	7900	**0.00310**	**0.00310**	3070	3540	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.750**
10/18/04	3000	3070	6.90	3.59	**0.000500**		**0.155**	**0.155**	0.289		426	433	**0.155**	**0.155**	7200	**0.00310**	**0.00310**	2950	3040	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.253**	**0.125**	**0.750**	1.88
01/25/05	3750	3830	4.75	1.60	**0.000500**		0.150	0.158	0.356		541	539	**0.180**	**0.0775**	7630	**0.00310**	**0.00310**	3700		**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	**0.931**	
03/18/05	3690	3370	3.42	1.43	**0.000147**		**0.0500**	0.179	0.119	0.145	521	542	**0.0863**	**0.0883**	6310	**0.00144**	**0.00144**	3700	3190	**0.002125**	**0.00213**	0.435	**0.0302**	0.202	0.155	**0.500**	
03/23/05																												
05/02/05	1930	1890	21.8	16.7	**0.000691**		**0.0777**	**0.0169**	0.196	0.198	580	564	**0.0411**	**0.0342**	4040	**0.00500**	**0.00144**	1840	1820	**0.00213**	**0.00213**	**0.100**	**0.0302**	0.200	0.145	1.36	1.69
06/04/05	2990	3210	4.94	2.27	**0.000450**		0.112		0.487		453	493	**0.0775**	**0.0775**	6430	**0.00310**	**0.00310**	3170	3470	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.200**	**0.100**	2.15	**0.750**
07/11/05	4080	3910	6.30	2.38	**0.000450**		0.131	0.128	0.428		521	504	**0.0775**	**0.0775**	6650	**0.00310**	**0.00310**	4250	3960	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.231**	**0.299**	21.7	19.2
08/16/05	3560	3650	7.90	1.80	**0.000450**		0.128	0.114	0.577		559	581	**0.0775**	**0.0775**	7930	**0.00310**	**0.00310**	3700	3820	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.323**	**0.100**	3.19	**0.750**
09/12/05	3590	3600	16.7	4.80	**0.00250**		0.0334		0.569		651	662	**0.0775**	**0.0775**	6800	**0.00310**	**0.00310**	3200	3250	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	3.57	1.96
10/30/05	3970	4180	5.99	3.39	**0.000450**		0.132		0.680		522	518	**0.0775**	**0.0775**	8250	**0.00310**	**0.00310**	3710	3980	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.228**	**0.100**	1.99	**1.28**
01/19/06	3520	3740	7.17	2.03	**0.000450**		0.157		0.533	0.517	500	567	**0.155**	**0.155**	8080	**0.00310**	**0.00310**	3420	3740	**0.00250**	**0.00250**	**0.0155**	**0.0596**	**0.110**	**0.110**	2.75	1.93
02/07/06	3970	4050	6.65	1.67	**0.00250**		0.188	0.209	0.653		617	611	**0.155**	**0.155**	8440	**0.00310**	**0.00310**	4000	4150	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.08	2.96
03/15/06	4370	3890	2.17	0.881	**0.000475**		0.156	0.183	0.329		561	584	**0.155**	**0.155**	8120	**0.00310**	**0.00310**	4490	4000	**0.00250**	0.0120	**0.0155**	**0.0155**	0.516	**0.250**	4.90	3.88
05/18/06	2290	2320	51.6	32.5	**0.00250**		0.185	0.167	0.397	0.338	925	903	**0.155**	**0.155**	3460	**0.00310**	**0.00310**	2050	2060	0.02080	0.0216	**0.0410**	**0.0464**	0.592	**0.328**	2.20	
06/17/06	3230	2900	9.99	3.48	**0.00250**		0.119	0.106	0.554	0.733	539	467	**0.155**	**0.155**	2020	**0.00310**	**0.00310**	3320	3040	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.250**	**0.110**	7.01	1.07
07/24/06	3350	3320	6.16	3.83	**0.000475**		0.232	0.174	0.569		507	488	**0.155**	**0.155**	5990	**0.00310**	**0.00310**	3460	3470	0.0366	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	3.49	1.57
08/15/06	2660	2690	17.0	4.36	**0.00250**		0.0626	0.0624	0.450		373	358	**0.155**	**0.155**	4860	**0.00310**	**0.00310**	2670	2730	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.69	1.50
09/12/06	3700	3370	5.45	2.49	**0.000475**		0.124	0.103	0.419	0.579	535	521	**0.155**	**0.155**	3740	**0.00310**	**0.00310**	3580	3320	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.30	1.77
11/02/06	3690	3850	4.80	2.72	**0.000475**		0.150	0.171	0.500	0.507	536	571	**0.155**	**0.155**	7960	**0.00310**	**0.00310**	3590	3670	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
12/12/06	3470	3590	7.07	1.63	**0.000475**		0.139	0.166	0.486	0.532	499	537	**0.155**	**0.155**	7430	**0.00310**	**0.00310**	3430	3580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
01/14/07	3490	3460	2.96	0.908	**0.000169**		0.165	0.194	0.370		435		**0.348**	**0.155**	7730	**0.00310**	**0.00310**	3410	3520	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.57	
02/20/07	3200	3350	10.4	1.18	**0.000169**		0.191	0.201	0.695	0.786	541	626	**0.155**	**0.155**	7430	**0.00310**	**0.00310**	3430	3640	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.12	
03/14/07	3070	3150	1.79		**0.000365**		0.167	0.185	0.313		461	500	**0.155**	**0.155**	7070	**0.00310**	**0.00310**	3290	3390	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
04/01/07																												
04/23/07	1910	2010	29.0	14.8	**0.00245**		0.117	0.0932	0.357		904	929	**0.155**	**0.155**	3490	**0.00310**	**0.00310**	2030	2420	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.423**	**0.155**	2.70	2.98
05/14/07	3170	3040	10.3	5.51	**0.000707**		0.126	0.131	0.420		674	662	**0.155**	**0.155**	5640	**0.00310**	**0.00310**	3020	2920	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.08	2.07
06/19/07	3420	3620	5.33	2.04	**0.000169**		0.181	0.199	0.425	0.479	531	566	**0.155**	**0.155**	7670	**0.00310**	**0.00310**	3660	3870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.16	**0.500**
07/15/07	3440	3370	2.70	1.30	**0.000169**		0.170	0.174	0.423	0.521	465	475	**0.155**	**0.155**	7170	**0.00310**	**0.00310**	3600	3530	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.35	1.34
08/18/07	3190	3320	22.3	1.87	**0.00250**		0.153	0.165	0.378	0.505	543	573	**0.155**	**0.155**	7310	**0.00310**	**0.00310**	3370	3510	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.424**	**0.155**	1.61	1.32
09/19/07	3160	3240	42.6	6.57	**0.00250**		0.0894	0.0986	0.440	0.397	666	678	**0.155**	**0.155**	6510	**0.00310**	**0.00310**	3230	3330	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.701**	**0.155**	2.08	2.25
10/16/07	3570	3640	5.25	2.93	**0.000169**		0.135	0.153	0.361	0.369	486	537	**0.155**	**0.155**	7560	**0.00310**	**0.00310**	3460	3620	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
11/12/07	3700	3500	5.07	2.15	**0.00250**		0.152	0.167	0.318		526	531	**0.155**	**0.155**	7640	**0.00310**	**0.00310**	3800	3490	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
12/11/07	4000	3940	4.12	1.76	**0.000393**		0.142	0.166	0.364		526	547	**0.155**	**0.155**	7540	**0.00310**	**0.00310**	3810	3800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
01/18/08	3490	3870	1.74	0.653	**0.000750**		0.159	0.203	0.282	0.386	496	568	**0.155**	**0.155**	8610	**0.00310**	**0.00310**	3510	3690	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
02/22/08	3770	3870	2.61	0.859	**0.000750**		0.170	0.195	0.347		550	592	**0.155**	**0.155**	9190	**0.00310**	**0.00310**	3740	3910	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
03/14/08	2980	2970	1.04	0.627	**0.000750**		0.158	0.163	0.347	0.413	428	426	**0.155**	**0.155**	6830	**0.00310**	**0.00310**	3110	3140	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.155**	**0.500**
03/27/08																												
04/21/08	3650	3670	1.15	0.941	**0.000750**		0.125	0.0810	0.506	0.625	564	571	**0.155**	**0.155**	7760	**0.00310**	**0.00310**	3810	3870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.07	**0.500**
05/18/08	1910	1830	24.9	10.1	**0.00446**		0.0643	0.0622	0.233	0.422	525	519	**0.155**	**0.155**	3490	**0.00310**	**0.00310**	1740	1770	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.383**	**0.155**	15.9	4.4
06/13/08	3160	3170	6.68	2.80	**0.000750**		0.123	0.121	0.301	0.406	502	511	**0.155**	**0.155**	6920	**0.00310**	**0.00310**	3280	3350	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.52	1.62
07/16/08	3920	3370	2.99	1.46	**0.000750**		0.0949		0.384	0.428	499	461	**0.155**	**0.155**	6870	**0.00310**	**0.00310**	3970	3400	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/21/08	3230	3210	26.5	2.52	**0.000750**		0.140	0.145	0.396	0.381	842	800	**0.155**	**0.155**	6530	**0.00310**	**0.00310**	3210	3260	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.400**	**0.155**	1.71	2.19
09/20/08	3000	3320	12.0	3.17	**0.000750**		0.101	**0.00750**	0.312	0.349	432	452	**0.155**	**0.155**	6390	**0.00310**	**0.00310**	2750	3040	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.05	1.32
10/20/08	3710	3710	5.47	2.31	**0.00158**		0.136	0.141	0.407	0.519	474	482	**0.155**	**0.155**	7590	**0.00310**	**0.0106**	3460	3460	**0.00500**	**0.00500**	0.327	**0.0500**	**0.155**	**0.155**	**0.500**	
11/20/08	3620	3660	11.2	1.96	**0.000750**		0.0736	0.0736	0.498	0.458	575	577	**0.155**	**0.155**	8190	**0.00310**	**0.00310**	3730	3810	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.72	1.01
12/10/08	3910	3850	6.83	0.952	**0.000750**		0.130	0.115	0.387	0.407	538	538	**0.155**	**0.155**	8440	**0.00310**	**0.00310**	3930	3820	**0.00500**	**0.00500**	0.409	**0.0500**	**0.155**	**0.155**	2.53	2.19
Mean	3220	3230	10.43	4.43	0.00104	NA	0.144	0.149	0.403	0.454	539	550	0.148	0.142	6640	0.00310	0.00320	3260	3280	0.00660	0.00620	0.0830	0.0620	0.232	0.170	2.37	2.09
Median	3390	3360	6.480	2.35	0.000691	NA	0.146	0.155	0.383	0.443	526	538	0.155	0.155	7180	0.00310	0.00310	3430	3460	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.59	1.57
St. Deviation	700	680	10.73	5.95	0.000980	NA	0.0660	0.0670	0.119	0.133	110	108	0.0410	0.0310	1750	0.000400	0.00110	660	640	0.00580	0.00390	0.0900	0.0420	0.133	0.0570	3.67	3.05
# of values	50	50	50	48	49	0	50	45	50	30	50	49	50	50	50	50	50	50	49	50	50	50	50	50	50	50	50	37
Minimum	746	783	1.04	0.627	0.000147	NA	0.0334	0.0075	0.119	0.145	373	358	0.0411	0.0342	2020	0.00144	0.00144	1270	1240	0.00213	0.002125	0.0155	0.0155	0.1	0.1	0.155	0.500
Maximum	4370	4180	51.6	32.5	0.00446	NA	0.518	0.461	0.695	0.786	925	929	0.348	0.155	9190	0.005	0.0106	4490	4150	0.0366	0.0216	0.435	0.155	0.701	0.328	21.7	19.2
% of values undetected	0%	0%	0%	0%	82%		16%	20%	0%	0%	0%	0%	92%	96%	0%	100%	98%	0%	0%	96%	96%	92%	96%	68%	86%	32%	30%	
# of values between MDL and PQL	0	0	0	0	7		2	1	0	0	0	0	4	2	0	0	1	0	0	0	0	1	2	10	5	1	1	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	14.45	14.41	NA	NA	5	4.6	NA	0.298646	0.254	NA	NA	NA	NA	NA	NA	NA	NA	33.13	32.67	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	2%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT119A																										
Sample Date																										
04/30/04	7.42	2.85	13.14		0.058			22.9	70.0	45.0	1.79	**1.57**	27.0	0.323			**0.0155**	**0.0155**		0.874	**0.0500**	3.94	**0.00125**	**0.00125**	**0.0650**	
05/20/04	7.50	5.26	11.18		0.072	482.0	2.60	27.3	70.0	67.5	0.700	**1.57**	31.0	**0.0620**			**0.0155**	**0.0155**		0.820	**0.0500**	3.94	**0.00125**	**0.00125**	**0.0650**	
06/04/04													34.0													
06/17/04	7.31	5.22	12.47		0.073	55.0	2.10	24.1	70.0	45.0	2.42	**1.57**	31.0	0.118			**0.0155**	**0.0155**		0.819	0.144	4.25	**0.0040**	**0.00400**	**0.0650**	
07/15/04	7.40	5.56	14.42		0.080	-70.0	14.9	27.4	81.0	53.8	0.800	**1.57**	33.5	**0.310**			**0.0155**	**0.0155**		0.965	**0.0500**	4.67	**0.00125**	**0.00125**	**0.0650**	
08/15/04													32.5													
08/25/04	7.90	5.80		125.9	0.082	194.0	1.60																			
08/26/04								28.3	80.0	63.8	**0.0770**	**1.57**	32.0	**0.155**			**0.0155**	**0.0155**		1.02	**0.0920**	4.95	**0.00125**	**0.00125**	**0.0650**	
09/16/04	7.69	5.05	12.42	98.1	0.083	222.0		25.6	80.0	57.5	0.800	**1.57**	33.0	**0.155**			**0.0475**	**0.0155**		0.938	**0.0620**	4.78	**0.00125**	**0.00125**	**0.280**	
10/15/04																										
10/17/04	6.85	2.80	14.39		0.075			24.7	80.0	**5.0**	**0.400**	**1.57**	30.0	1.27			**0.0155**	**0.0155**		1.10	**0.0155**	4.75	**0.0030**	**0.00125**	**0.140**	
01/26/05	7.79	2.37	13.11		0.080	72.0	4.40	30.1	80.0	45.0	0.700	**0.785**	34.5	0.300			**0.0500**	0.0443		0.801	**0.0370**	4.77	**0.00125**	**0.00125**	**0.310**	
03/18/05	8.16	3.80		138.3	0.080			31.5	80.0	35.0	0.612	**2.50**	32.0	0.340			**0.0155**	0.0414		0.830	**0.0360**	5.17	**0.00125**	**0.00125**	**0.320**	
05/02/05	7.27	6.80	12.33	101.1	0.068	179.2	0.440	26.8	70.0	47.5	**0.600**	**2.00**	29.0	0.630			**0.0155**	0.0127		0.814	**0.0330**	4.44	**0.00125**	**0.00125**	**0.420**	
06/02/05	7.24	6.32	12.13	98.2	0.072	107.5	0.640	29.9	75.0	45.0	1.00	**0.785**	31.0	0.190			**0.0500**	0.0315		0.746	**0.0320**	4.16	**0.00125**	**0.00125**	**0.200**	
07/10/05	7.02	5.52	12.33	97.8	0.077	213.7	0.340	32.6	75.0	38.8	0.700	**0.785**	32.8	0.210			**0.0155**	0.0500		0.734	**0.0155**	4.22	**0.0025**	**0.0025**	**0.240**	
08/15/05	7.29	6.79	12.13	99.4	0.075	212.4	0.570	34.0	75.0	43.8	0.632	**0.785**	32.5	**0.0745**			**0.0155**	**0.0160**		0.745	**0.0155**	4.55	**0.00125**	**0.0031**	**0.460**	
09/14/05	6.74	4.61	13.08	101.4	0.068	211.9	1.07	27.7	75.0	48.8	0.500	**1.75**	30.0	0.210			**0.0155**	**0.0085**		0.784	**0.0360**	4.16	**0.00125**	**0.00125**	**0.200**	
10/30/05	7.12	2.54	12.88	94.5	0.071	108.9	0.340	31.4	75.0	60.0	0.938	**0.785**	31.0	0.225			**0.0155**	**0.0140**		0.766	**0.0340**	4.36	**0.00125**	**0.00125**	**0.260**	
01/19/06	7.27	0.010	9.60	70.0	0.065	-38.9	0.640																			
02/08/06	6.87	1.99	10.75	77.7	0.076	28.8	0.300	33.4	85.0	62.5	1.40	**2.00**	36.0	0.174			**0.0155**	0.0210		0.794	**0.0155**	4.97	**0.00125**	**0.00125**	**0.0295**	
03/14/06	6.82	2.40	12.59	92.1	0.046	-49.9	1.31	35.2	70.0	68.7	0.600	**1.75**	36.0	0.160			0.120	**0.0068**		0.775	**0.0155**	5.19	**0.00125**	**0.00125**	**0.155**	
04/02/06	7.42	3.35	11.47	86.1	0.075	67.8																				
05/19/06	6.84	4.33	9.11	70.1	0.063	-78.5	1.21	28.5	65.0	53.8	1.50	**1.75**	28.0	0.227	**0.0155**	0.219	0.106	0.0135	**0.0155**	0.867	**0.0390**	3.71	**0.00125**	**0.00125**	**0.155**	
06/17/06	6.98	6.38	8.24	67.0	0.070	170.7	0.170	30.0	70.0	51.3	**0.600**	**0.785**	37.0	0.244	**0.0155**	0.225	0.114	**0.0070**	**0.0155**	0.755	**0.0400**	4.16	**0.0025**	**0.0025**	**0.155**	
07/24/06	7.09	4.43	8.36	64.3	0.073	168.7	0.130	33.6	70.0	67.5	0.667	**2.00**	33.0	0.139	**0.0155**	0.134	**0.0350**	0.0150		0.764	**0.0430**	4.64	**0.0030**	**0.0025**	**0.155**	
08/15/06	6.98	5.27	9.99	78.8	0.064	99.6	0.230	32.6	65.0	58.7	2.00	**1.57**	30.0	0.200	**0.0155**	0.190	**0.0155**	0.0140	**0.0155**	0.733	**0.0410**	3.98	**0.00075**	**0.00075**	**0.155**	
09/12/06	7.25	4.23	9.95	76.3	0.071	199.8	0.190	32.9	70.0	46.2	1.68	**1.57**	31.0	0.130	**0.0155**	0.124	**0.0155**	**0.0040**	**0.05**	0.826	**0.0520**	4.43	**0.00075**	**0.0025**	**0.155**	
11/02/06	6.79	1.55	11.37	81.2	0.047	15.8	0.200	32.0	65.0	48.8	1.19	**1.57**	32.0	0.167	**0.0155**	0.158	**0.0155**	0.0130	**0.0155**	0.648	**0.0155**	3.81	**0.00075**	**0.00075**	**0.155**	
12/11/06	6.84	2.03	12.29	88.8	0.073		0.150	31.3	70.0	52.5	1.02	**1.57**	22.0	0.133	**0.0155**	0.123	**0.0500**	0.0130	**0.0155**	0.690	**0.0155**	4.38	**0.00075**	**0.00075**	**0.155**	
01/12/07	5.15	2.62	8.29	61.0	0.072	194.9	0.220	33.2	65.0	48.8	1.02	**1.57**	32.0	0.172	**0.0155**	0.152	**0.0155**	**0.0090**	**0.05**	0.692	**0.0155**	4.57	**0.0025**	**0.0025**	**0.155**	
02/21/07	7.28	0.800	11.69	81.4	0.075	487.4	0.190	29.8	70.0	47.5	1.28	**1.57**	36.0	0.180	**0.0155**	0.176	**0.0155**	**0.00155**	**0.0155**	0.710	**0.0155**	4.70	**0.0040**	**0.00075**	**0.155**	
03/13/07	7.50	1.37	12.33	87.7	0.076	88.7	0.210	29.5	75.0	47.5	1.93	**2.095**	34.0	0.236	**0.0155**	0.236	**0.0155**	0.0220		0.673	**0.0155**	4.55	**0.0025**	**0.00075**	**0.155**	
04/02/07	7.00	2.14	8.05	58.4	0.075	262.9																				
04/23/07	6.89	3.04	10.56	79.5	0.068	93.2	1.34	27.1	65.0	41.3	2.50	**1.57**	28.0	0.168	**0.0155**	0.156	**0.0155**	0.0150	**0.05**	0.812	**0.0440**	4.13	**0.0025**	**0.00075**	**0.155**	
05/13/07	6.49	4.76	10.26	80.0	0.072	173.3	0.270	34.4	65.0	37.5	1.40	**1.57**	32.0	0.160			**0.0155**	0.0120		0.777	**0.0430**	4.42	**0.00075**	**0.00075**	**0.155**	
06/20/07	7.52	5.54	10.13	80.5	0.056	171.1	0.200	32.1	70.0	64.0	**0.800**	**1.57**	33.0	0.119			**0.0500**	**0.0050**		0.777	**0.0680**	4.87	**0.00075**	**0.00075**	**0.155**	**0.250**
07/16/07	7.53	4.75	10.65	83.3	0.075	127.5	1.07	33.5	70.0	40.0	**0.600**	**1.57**	32.9	0.133			**0.0155**	0.0162		0.743	**0.0470**	4.55	**0.00075**	**0.00075**	**0.155**	0.695
08/17/07	7.39	5.12	10.74	84.4	0.075	110.6	0.150	31.6	75.0	57.5	0.714	**1.57**	33.0	0.165			**0.0359**	0.0107		0.632	**0.0340**	4.36	**0.00075**	**0.00075**	**0.155**	0.608
09/19/07	6.91	5.67	10.34	82.6	0.065	84.7	1.66	31.6	70.0	35.0	3.47	**1.57**	28.5	0.181			**0.0155**	**0.00155**		0.705	**0.0330**	3.59	**0.00075**	**0.00075**	**0.155**	0.897
10/15/07	7.30	3.52	11.81	88.9	0.068	228.7	0.63	29.9	60.0	47.5	1.88	**1.57**	30.9	0.212			**0.0155**	0.0153		0.670	**0.0155**	3.66	**0.00075**	**0.00075**	**0.155**	**0.269**
11/12/07	6.61	2.23	10.03	73.1	0.072	169.5	0.270	31.9	70.0	55.0	1.04	**1.57**	30.9	0.223			**0.0155**	0.0208		0.659	**0.0370**	3.99	**0.00075**	**0.00075**	**0.155**	**0.250**
12/12/07	7.25	2.27	14.15	102.2	0.073	108.9	0.330	31.1	76.2	41.3	1.26	**1.57**	31.6	0.223			**0.0155**	0.0168		0.660	**0.0155**	3.97	**0.00075**	**0.00075**	**0.155**	**0.340**
01/19/08	7.05	2.53	8.87	65.3	0.075	215.0	0.250	31.4	78.5	40.0	0.615	**1.57**	32.6	0.724			**0.0155**	**0.0050**		0.657	**0.0155**	4.26	**0.00075**	**0.00075**	**0.155**	**0.075**
02/23/08	6.31	2.55	8.90	65.6	0.076	243.0	0.240	32.1	82.0	71.3	**0.612**	**5.54**	34.5	**0.0905**			**0.0155**	0.0156		0.661	**0.0320**	4.44	**0.00075**	**0.00075**	**0.155**	**0.250**
03/15/08	7.17	3.32	10.42	78.1	0.072	25.7	0.390	27.5	75.3	56.3	**0.150**	**3.50**	33.6	0.116			**0.0317**	**0.0088**		0.665	**0.0330**	4.49	**0.0022**	**0.00075**	**0.155**	**0.498**
03/28/08	7.79	1.05	12.27	86.6	0.085	263.3																				
04/22/08	6.92	2.36	11.14	81.4	0.074	140.2	0.290	31.5	78.3	38.8	0.778	**3.36**	33.7	0.145			**0.0155**	0.0140		0.662	**0.0350**	4.48	**0.0015**	**0.00075**	**0.155**	**0.075**
05/18/08	7.73	3.88	8.72	66.4	0.066	162.0	0.710	25.5	69.1	42.5	2.03	**1.57**	29.3	0.261			**0.0155**	0.0108		0.655	**0.0155**	4.2	**0.0025**	**0.0025**	**0.155**	0.936
06/13/08	7.86	4.29	9.51	73.0	0.065	197.0	1.31	32.2	70.2	47.5	0.632	**1.57**	31.1	0.200			0.138	**0.00500**		0.621	**0.0330**	3.51	**0.00075**	**0.00075**	**0.155**	**0.250**
07/17/08	6.67	4.56	8.07	62.5	0.071	159.9	0.31	30.3	60.4	47.5	1.11	**1.57**	31.9	0.173			**0.0155**	0.0132		0.649	**0.0155**	3.82	**0.0025**	**0.00075**	**0.155**	0.652
08/21/08	7.87	5.88	9.53	76.3	0.077	-43.5	0.250	29.9	73.9	57.5	**0.1875**	**1.57**	33.6	0.161			**0.0155**	**0.0050**		0.744	**0.0410**	5.33	**0.0025**	**0.00075**	**0.155**	**0.250**
09/21/08	6.73	4.59	8.83	68.5	0.074	160.5	0.410	30.6	78.8	55.0	**0.1875**	**1.57**	33.7	0.198			**0.0155**	**0.0050**		0.477	**0.0155**	4.29	**0.00075**	**0.00075**	**0.155**	**0.462**
10/20/08	6.91	2.01	10.14	73.4	0.073	208.1	0.260	33.3	76.7	42.5	**0.319**	**1.57**	32.4	0.203			**0.0500**	**0.0072**		0.769	**0.0490**	3.95	**0.00075**	**0.00075**	**0.155**	**0.159**
11/21/08	6.99	0.450	11.54	80.0	0.075	170.8	0.360	30.2	79.5	46.3	1.08	**1.57**	31.9	0.240			**0.0500**	0.0127		0.639	**0.0155**	4.24	**0.00075**	**0.00075**	**0.350**	**0.0750**
12/10/08	6.95	1.57	11.21	80.1	0.075	229.5	0.200	31.6	78.2	52.5	**0.412**	**1.57**	32.4	0.229			**0.0500**	0.0133		0.647	**0.0380**	4.33	**0.00075**	**0.00075**	**0.155**	**0.0750**
Mean	7.15	3.66	10.96	82.8	0.071	145.9	1.00	30.3	72.9	49.4	1.028	1.70	32.0	0.230	0.0155	0.172	0.0310	0.0140	0.03	0.749	0.0350	4.36	0.0015	0.00124	0.174	0.370
Median	7.15	3.66	10.95	80.3	0.073	165.4	0.340	31.2	72.1	47.5	0.800	1.57	32.0	0.186	0.0155	0.158	0.0155	0.0140	0.0155	0.745	0.0340	4.36	0.0013	0.00075	0.155	0.250
St. Deviation	0.490	1.75	1.710	15.8	0.008	114.1	2.27	2.80	5.90	11.3	0.687	0.760	3.00	0.192	0	0.0410	0.0301	0.0100	0.02	0.110	0.0230	0.420	0.00090	0.00075	0.0840	0.270
# of values	52	52	50	46	52	48	45	48	48	48	48	48	50	48	11	11	48	48	9	48	48	48	48	48	48	19
Minimum	5.15	0.01	8.05	58.4	0.046	-78.5	0.13	22.9	60.0	5	0.077	0.785	22.0	0.062	0.0155	0.123	0.0155	0.00155	0.0155	0.477	0.0155	3.51	0.00075	0.00075	0.0295	0.075
Maximum	8.16	6.80	14.42	138.3	0.085	487.4	14.9	35.2	85.0	71.3	3.47	5.54	37.0	1.270	0.0155	0.236	0.138	0.0500	0.050	1.1	0.1440	5.33	0.0040	0.0040	0.460	0.936
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	8%	79%	0%	6%	100%	0%	83%	27%	100%	0%	42%	0%	88%	96%	77%	47%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	8	10	0	3	0	0	4	10	0	0	27	0	6	2	11	5
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.61	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT119A																												
Sample Date																												
04/30/04	41.7	**12.5**	**0.0385**	**0.100**	1.78	1.56	2.16	2.36	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7320	7740	0.319	0.388	**0.0359**		0.411	0.259	42.0	**17.3**	**0.0500**	**0.0500**
05/20/04	25.0	**12.5**	**0.100**	**0.100**	1.76	1.83	2.00	1.77	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8940	8280	0.340	0.312	**0.0330**		**0.100**	**0.100**	93.6	67.5	**0.0500**	**0.0500**
06/04/04																												
06/17/04	54.6	**12.5**	**0.0385**		2.16	1.94	3.32	2.81	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7910	8350	0.342	0.379	**0.0500**		0.224	0.307	80.3	20.1	**0.0500**	0.213
07/15/04	**12.5**	**12.5**	**0.100**		2.27	2.25	2.50	2.60	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8790	9120	0.304	0.365	**0.0500**		**0.100**	**0.100**	**10.0**	**10.0**	**0.0500**	**0.0500**
08/15/04																												
08/25/04																												
08/26/04	**12.5**	**12.5**	**0.0385**	**0.0385**	2.25	2.05	2.48		**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9170	9200	0.373	0.401	**0.0155**		**0.100**	**0.100**	24.0	**10.0**	**0.0500**	**0.0500**
09/16/04	**12.5**	**12.5**	**0.148**	**0.104**	2.25	2.17	2.36	2.23	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	8090	8010	0.309	0.288	**0.0500**		**0.100**	**0.100**	89.6	79.9	**0.0500**	**0.0500**
10/15/04																												
10/17/04	**12.5**	27.8	**0.109**	**0.0385**	1.94	**0.125**	2.60	1.56	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7910	2370	0.347	**0.100**	**0.0155**		**0.100**	0.340	**17.6**		**0.0500**	**0.0500**
01/26/05	19.4	3.96	0.0654	0.0624	2.21	2.16	2.88	2.80	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	9590	8920	0.672	0.671	0.0200	0.0154	0.147	0.105	31.3	**10.5**	**0.0155**	**0.0155**
03/18/05	16.4	4.22	0.0748	0.0752	2.41	2.44	2.57	2.40	**0.00150**	**0.00150**	**0.00384**	**0.00384**	1.53	1.88	**0.00310**	**0.00310**	10100	9580	0.328	0.303	0.0688	**0.0166**	0.0735	0.0895	17.4	**3.4**	**0.0110**	0.0779
05/02/05	28.8	14.4	0.0668	0.0636	2.41	2.18	2.93	2.63	**0.00150**	**0.00150**	**0.00384**	**0.00384**	1.84	1.89	**0.0156**	**0.0100**	8600	8670	0.204	0.255	**0.0218**	**0.0252**	0.156	0.141	32.6	14.4	**0.0350**	**0.0350**
06/02/05	19.9	5.90	0.0714	0.0686	1.92	2.22	2.77	2.88	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**4.50**	**0.00775**	**0.00775**	9530	9650	0.249		0.0238	0.0240	**0.0500**	0.197	28.2	**10.0**	**0.0155**	
07/10/05	13.1	4.50	0.0456	0.0550	2.24	2.03	2.73	2.56	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	10300	10200	0.653	0.641	**0.00155**	**0.00155**	0.184	0.148	30.0	37.8	**0.0500**	
08/15/05	114	5.96	2.81	0.0718	2.31	2.16	3.08	2.52	**0.00750**	**0.00750**	**0.00155**	**0.00560**	**5.30**	**7.50**	**0.00775**	**0.00775**	10900	10800	0.883	0.925	0.0368	0.0382	0.440	0.375	34.1	**10.0**	**0.0500**	
09/14/05	25.2	12.1	1.13	0.120	2.15	1.80	3.11	3.29	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**6.45**	**0.00775**	**0.00775**	8860	10400	0.904	0.422	0.0430	0.0384	0.279	0.289	50.6	**12.9**	**0.0500**	**0.0500**
10/30/05	24	4.94	0.0868	0.0672	2.35	1.51	3.34	3.21	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**4.70**	**4.20**	**0.00775**	**0.00775**	10100	9280	0.940	0.608	0.0372	0.0244	0.199	0.281	42.3	**6.8**	**0.0384**	
01/19/06																												
02/08/06	29.2	4.68	0.095	0.0948	2.40	2.12	3.43	2.60	**0.0120**	**0.0120**	**0.00750**	**0.0418**	**0.750**	**2.03**	**0.0125**	**0.0125**	10800	10800	0.670		0.0390	0.0298	0.539	0.583	48.0	**10.0**	0.237	0.268
03/14/06	10.7	5.62	0.076	0.0938	1.46		2.34	2.65	**0.0120**	**0.0120**	**0.0250**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	11200	12100	0.752		0.0292	0.0282	**0.0500**		30.8	22.5	0.0594	
04/02/06																												
05/19/06	43.7	28.3	0.0776	0.0654	2.05	1.92	2.81	2.39	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	9180	8480	0.970	0.798	0.0454	0.0324	0.203	0.276	55.2	**16.9**	0.0992	
06/17/06	15.7	8.73	0.0692	0.0662	2.00	2.02	2.75	3.00	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	9640	10700	1.10	1.03	0.0328	0.0412	0.135		23.6	**15.6**	1.62	0.425
07/24/06	7.21	3.84	0.0808	0.0802	2.43	2.31	2.81	2.59	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10900	11300	0.782	0.589	0.0476	0.0368	0.183	0.204	34.1	20.4	**0.0500**	
08/15/06	31.4	14.7	0.0824	0.0776	1.28	1.24	2.83	2.97	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10400	9540	**0.100**	0.221	0.0366	**0.00650**	0.239		46.9	20.3	0.483	0.140
09/12/06	14.4	4.61	0.0640	0.0664	2.00	1.92	3.33	3.11	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10600	10200	0.271	0.443	0.0310	0.0328	0.133		56.9	38.5	**0.0155**	
11/02/06	20.5	4.81	0.0644	0.0676	2.34	1.72	3.43	3.98	**0.0125**	**0.0125**	**0.00750**	**0.0158**	**1.25**	**1.25**	**0.0185**	**0.0185**	10400	10900	0.794	0.941	0.0250	0.0242	0.128	0.206	40.5	**10.0**	**0.0500**	**0.0500**
12/11/06	11.0	3.49	0.0676	0.0674	2.42	2.10	2.61		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10100	9790	0.259	**0.133**	0.0252	0.0202	0.128	0.170	24.6	**7.2**	0.112	0.138
01/12/07	24.4	3.31	0.142	0.0888	2.82	2.41	2.74	2.95	0.0506	**0.0125**	**0.00750**	**0.00750**	**1.25**	1.53	**0.00750**	**0.00750**	10700	10500	0.440	0.448	0.0236	0.0210	0.144	0.152	30.8	**3.1**	**0.0155**	**0.0155**
02/21/07	19.9	4.19	0.0748	0.0938	2.37	2.20	2.31		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9550	10600	0.388	0.346	0.0394	0.0362	0.165	0.242	27.4	**10.0**	**0.0500**	**0.0500**
03/13/07	24.0	4.18	0.0756	0.0794	2.45	2.11	2.29	2.08	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9490	10300	0.501	0.513	0.0236	**0.0100**	0.114		34.2	**3.1**	0.229	**0.0155**
04/02/07																												
04/23/07	46.9	13.7	0.0724	0.0942	2.13	2.32	2.67	2.49	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8710	8850	0.516	0.619	0.0240		0.208		52.2	**15.4**	**0.0656**	**0.0362**
05/13/07	23.5	8.56	0.0922	0.0934	2.63	2.32	2.82	2.40	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11100	9950	0.744	0.660	0.0238		0.138		34.4	**10.0**	**0.0500**	**0.0155**
06/20/07	18.1	4.30	0.0816	0.0964	2.51	2.32	2.51	2.67	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10100	9670	0.403	0.451	0.0200	0.0202	0.179	0.158	39.2	25.2	0.299	**0.0500**
07/16/07	17.0	8.74	0.0788	0.107	2.56	2.44	2.70	3.27	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**2.92**	**1.25**	**0.00750**	**0.00750**	10800	11000	0.570	0.222	0.0260	0.0294	0.233	0.183	52.8	42.1	**0.0500**	**0.0155**
08/17/07	10.6	3.66	0.0766	0.0770	2.47	2.20	2.44	2.45	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10200	9680	0.424	0.343	**0.0178**	0.0200	**0.050**		24.2	**10.0**	**0.0500**	**0.0155**
09/19/07	82.0	20.3	0.0706	0.0780	2.44	2.33	3.45	3.22	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10300	10200	0.514	0.493	0.0382	0.0208	0.200	0.256	103.0	27.1	**0.0500**	**0.0155**
10/15/07	36.8	6.87	0.0650	0.0760	2.10	2.27	3.59	3.91	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9730	10300	0.438	0.442	0.0214	**0.0162**	0.138	0.177	51.4	**19.3**	**0.0500**	**0.0500**
11/12/07	22.4	4.89	0.0736	0.0815	2.35	2.11	3.25		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10300	10200	0.540	0.674	**0.0164**	0.0205	0.109		32.9	25.8	**0.0155**	**0.0500**
12/12/07	15.1	4.49	0.0676	0.0830	2.12	2.19	2.86		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10100	11000	0.507	0.573	**0.0050**	**0.0100**	**0.050**		30.7	**10.0**	**0.0155**	**0.0155**
01/19/08	19.8	3.24	0.0676	0.0770	2.33	2.25	2.50	2.48	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10200	9990	0.541	0.537	**0.0164**	**0.0118**	**0.050**	0.156	40.2	23.7	**0.0155**	**0.0155**
02/23/08	12.9	6.25	0.0764	0.0856	2.45	2.52	2.31	2.62	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10400	10500	0.548	0.513	**0.0100**	**0.0100**	0.320		38.6	27.5	**0.0155**	**0.0500**
03/15/08	11.1	4.65	0.0676	0.0826	2.32	2.20	1.88		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8920	9230	0.268	0.243	**0.0158**	**0.0174**	0.166	0.165	38.6	31.8	**0.0155**	**0.0155**
03/28/08																												
04/22/08	7.66	3.10	0.0572	0.0544	2.43	2.54	2.25	2.39	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10100	10100	0.501	0.425	**0.0143**	**0.0184**	0.109		42.7	37.3	**0.0155**	**0.0155**
05/18/08	33.5	12.2	0.0591	0.0590	2.05	2.08	2.43	2.31	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8210	8280	0.306	0.268	**0.0194**	**0.0165**	0.117		53.7	26.4	**0.0155**	**0.0155**
06/13/08	18.6	6.87	**0.0485**	**0.0475**	2.54	2.45	3.50	3.17	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10300	9860	0.493	0.528	**0.0183**	0.0263	**0.050**		51.5	34.6	**0.0155**	**0.0155**
07/17/08	14.3	5.82	0.0655	0.0748	2.39	2.43	2.84	3.34	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9800	10100	0.293	0.374	**0.0160**	**0.0187**	**0.050**		53.1	40.5	**0.0155**	**0.0155**
08/21/08	10.5	5.45	0.0568	0.0786	2.32	2.36	2.39		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9640	10100	0.373	0.358	**0.0107**	**0.0137**	**0.050**	0.126	28.7	31.5	**0.0155**	**0.0155**
09/21/08	13.4	5.78	**0.0310**	0.0653	2.28	2.22	2.46	2.40	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9830	9470	0.480	0.496	**0.0159**	**0.0120**	0.290	0.243	45.3	27.7	**0.0155**	
10/20/08	16.7	3.61	0.0712	0.0657	2.58	2.38	3.27	2.85	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10700	9850	0.424	0.368	**0.0196**	**0.0153**	0.130		48.3	22.5	**0.0155**	**0.0155**
11/21/08	16.7	4.33	**0.0075**	**0.00750**	2.33	2.73	2.57		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9660	11600	0.468	0.398	**0.0171**	0.0261	0.143	0.197	41.6	28.9	**0.0155**	**0.0351**
12/10/08	15.9	3.15	**0.0075**	**0.00750**	2.56	2.33	2.44	2.45	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10000	9770	0.386	0.367	**0.0125**	**0.0108**	0.177		37.2	**15.6**	**0.0155**	**0.0155**
Mean	23.9	8.11	0.1497	0.0739	2.26	2.12	2.74	2.71	0.0114	0.0106	0.1152	0.1159	1.49	1.76	0.0103	0.0102	9800	9700	0.499	0.464	0.0267	0.0215	0.162	0.207	42.0	21.7	0.0931	0.0585
Median	18.4	5.70	0.07130	0.0765	2.33	2.20	2.72	2.61	0.0125	0.0125	0.007500	0.007500	1.25	1.25	0.00750	0.00750	10100	9910	0.454	0.425	0.0237	0.0202	0.138	0.183	38.9	19.3	0.0500	0.0362
St. Deviation	19.1	5.85	0.4217	0.0223	0.290	0.410	0.420	0.490	0.00650	0.00290	0.2651	0.2649	0.810	1.38	0.00430	0.00420	900	1430	0.222	0.202	0.0136	0.00960	0.104	0.103	18.8	15.4	0.241	0.0810
# of values	48	48	48	46	48	47	48	40	48	48	48	48	48	48	48	48	48	48	48	45	48	39	48	31	48	47	48	39
Minimum	7.21	3.1	0.0075	0.0075	1.28	0.125	1.88	1.56	0.00150	0.00150	0.00155	0.00155	0.75	0.75	0.00310	0.00310	7320	2370	0.100	0.100	0.00155	0.00155	0.05	0.0895	10	3.1	0.011	0.0155
Maximum	114	28.3	2.81	0.120	2.82	2.73	3.59	3.98	0.0506	0.01250	0.750	0.750	5.30	7.50	0.0185	0.0185	11200	12100	1.10	1.030	0.0688	0.0412	0.539	0.583	103	79.9	1.62	0.425
% of values undetected	8%	13%	15%	13%	0%	2%	0%	0%	98%	100%	100%	94%	90%	85%	98%	100%	0%	0%	2%	2%	17%	13%	27%	13%	2%	26%	79%	79%
# of values between MDL and PQL	0	0	4	2	0	0	0	0	0	0	0	3	3	4	1	0	0	0	0	1	16	12	0	0	1	11	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.097	0.094	NA	NA	10.98	10.56276	NA	NA	2.852	2.737	1000	1000	0.544	0.540
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT119A																												
Sample Date																												
04/30/04	1110	1150	3.84	2.08	0.00140		**0.155**	**0.155**	**0.199**	0.314	395	445	**0.155**	**0.155**	4590	**0.00310**		1950	2080	**0.0125**	**0.0125**	**0.155**	**0.155**	0.948	0.588	1.95	2.62
05/20/04	1210	1200	1.50		0.00150		**0.346**	**0.315**	0.282	0.390	330	323	**0.155**	**0.155**	4760	**0.00310**	**0.00310**	2060	2100	**0.0125**	**0.0125**	**0.155**	**0.155**	1.37	1.20	**0.750**	**0.750**
06/04/04																												
06/17/04	1050	1140	3.62	4.40			**0.155**	**0.155**	0.287	0.413	312	317	**0.155**	**0.155**	5130	**0.00310**	**0.00310**	1940	1920	**0.0125**	**0.0125**	**0.155**	**0.155**	1.10	1.03	1.97	2.93
07/15/04	1320	1490	**0.966**	1.36	**0.000500**		**0.367**	**0.426**	**0.0310**		319	369	**0.155**	**0.155**	5610	**0.00310**	**0.00310**	2150	2430	**0.0125**	**0.0125**	**0.155**	**0.427**	0.982	0.873	**0.235**	**0.750**
08/15/04																												
08/25/04																												
08/26/04	1310	1380	1.14	1.13	**0.000500**		**0.155**	**0.155**	0.266	0.320	411	425	**0.155**	**0.155**	6250	**0.00310**	**0.00310**	2130	2160	**0.0125**	**0.0125**	**0.155**	**0.155**	0.965	0.935	**0.235**	
09/16/04	1320	1290	1.05	1.02	**0.000500**		**0.348**	**0.155**	0.249	0.377	397	392	**0.155**	**0.155**	6190	**0.00310**	**0.00310**	2090	2100	**0.0125**	**0.0125**	**0.155**	**0.155**	0.925	0.863	**0.235**	**0.235**
10/15/04					0.00290																							
10/17/04	1200	439	1.27		**0.000500**		**0.155**	**0.155**	0.208	0.363	316	111	**0.155**	**0.155**	5030	**0.00310**	**0.00310**	2020	1580	**0.0125**	**0.0125**	**0.155**	**0.155**	0.769	**0.397**	**0.750**	1.94
01/26/05	1490	1400	1.55	0.263	**0.000500**		0.311	0.311	0.252	0.255	380	352	**0.0775**	**0.0775**	5560	**0.00310**	**0.00310**	2370	2260	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.624	0.720	**0.627**	
03/18/05	1530	1390	0.981	0.342	**0.000147**		0.368		**0.0149**		367	381	**0.0746**	**0.0680**	6390	**0.00144**	**0.00144**	2210	1930	**0.00500**	**0.00213**	0.296	**0.100**	0.989	0.914	**0.235**	
05/02/05	1290	1310	1.73	1.06	**0.000147**		0.238	0.251	**0.0450**	0.110	372	362	**0.0614**	**0.0531**	5190	**0.00500**	**0.00144**	2010	2010	**0.00213**	**0.00213**	**0.0302**	**0.0302**	0.890	0.847	**0.910**	1.79
06/02/05	1480	1460	1.53	0.495	**0.000450**		0.270	0.262	0.412		348	366	**0.0775**	**0.0775**	5320	**0.00310**	**0.00310**	2460	2450	**0.00310**	**0.00310**	**0.0310**	**0.0310**	1.11	0.849	**0.233**	**0.750**
07/10/05	1660	1630	1.35	0.515	**0.000450**		0.230	0.250	0.244		387	380	**0.0775**	**0.0775**	5460	**0.00310**	**0.00310**	2720	2630	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.576	0.684	3.12	2.29
08/15/05	1630	1570	1.68	0.853	**0.000450**		0.241		0.483		434	422	**0.0775**	**0.0775**	5980	**0.00310**	**0.00310**	2640	2590	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.818	0.855	2.63	**0.750**
09/14/05	1350	1470	2.07	1.21	**0.000450**		0.260		0.422	0.454	355	416	**0.0775**	**0.0775**	5240	**0.00310**	**0.00310**	2190	2560	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.865	0.635	**0.750**	2.00
10/30/05	1530	1530	2.05	0.678	**0.000450**		0.395	0.308	0.369		412	359	**0.0775**	**0.0775**	6190	**0.00310**	**0.00310**	2560	2570	**0.00310**	**0.00310**	**0.0310**	**0.0310**	1.08	0.988	1.84	1.84
01/19/06																												
02/08/06	1600	1700	1.71	0.51	**0.000475**		0.350		0.490		433	445	**0.155**	**0.155**	3120	**0.00310**	**0.00310**	2580	2750	**0.00500**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.250**	2.83	2.99
03/14/06	1760	1860	0.806	0.408	**0.000475**		0.312	0.335	0.203		438	459	**0.155**	**0.155**	6690	**0.00310**	**0.00310**	2790	2990	**0.00250**	**0.00250**	**0.0155**	**0.0155**	1.38	1.03	2.41	
04/02/06																												
05/19/06	1340	1280	4.16	2.32	**0.00250**		0.271	0.251	0.343		469	438	**0.155**	**0.155**	3260	**0.00310**	**0.00310**	2310	2230	**0.00940**	**0.00540**	**0.0155**	**0.0155**	0.908	**0.317**	1.39	
06/17/06	1410	1580	1.45	1.06	**0.00250**		0.282	0.343	0.338		366	402	**0.155**	**0.155**	1530	**0.00310**	**0.00310**	2380	2590	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.557	0.568	1.63	1.09
07/24/06	1560	1510	1.19	0.853	**0.000475**		0.356	0.323	0.435	0.600	414	443	**0.155**	**0.155**	5580	**0.00310**	**0.00310**	2430	2480	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.747**	**0.954**	1.16	1.46
08/15/06	1500	1470	2.36	1.29	**0.000475**		0.293	0.280	0.390		441	418	**0.155**	**0.155**	5040	**0.00310**	**0.00310**	2410	2360	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.21	**0.702**	2.05	1.32
09/12/06	1590	1550	2.44	0.933	**0.000475**		0.346	0.361	0.259		408	406	**0.155**	**0.155**	5870	**0.00310**	**0.00310**	2500	2460	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.548**	**0.895**	1.10	
11/02/06	1480	1630	1.92	0.779	**0.000475**		0.297	0.328	0.358	0.419	385	416	**0.155**	**0.155**	6200	**0.00310**	**0.00310**	2340	2550	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.07	**0.623**	**0.155**	
12/11/06	1480	1480	1.31	0.447	**0.000475**		0.323	0.310	0.311	0.302	386	385	**0.155**	**0.155**	5280	**0.00310**	**0.00310**	2330	2320	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.13	1.03	1.63	
01/12/07	1560	1600	1.89	0.415	**0.000169**		0.333	0.338	0.214	0.281	368	394	**0.155**	**0.155**	5800	**0.00310**	**0.00310**	2330	2470	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.15	**0.843**	**0.500**	
02/21/07	1440	1620	1.36	0.460	**0.000169**		0.337	0.379	0.533		341		**0.155**	**0.155**	5550	**0.00310**	**0.00310**	2230	2440	**0.0124**	**0.00500**	**0.0500**	**0.0500**	**0.804**	**0.810**	1.31	
03/13/07	1400	1430	1.70	0.352	**0.000169**		0.324	0.326	0.230	0.265	354	349	**0.155**	**0.155**	5570	**0.00310**	**0.00310**	2230	2280	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.500**	**0.500**	2.24	**0.500**
04/02/07																												
04/23/07	1300	1280	2.56		**0.000591**		0.297	0.306	0.305		451	479	**0.155**	**0.155**	4610	**0.00310**	**0.00310**	2090	2140	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.798**	**0.758**	1.13	
05/13/07	1620	1510	1.63		**0.000169**		0.359	0.342	0.334		439	401	**0.155**	**0.155**	5520	**0.00310**	**0.00310**	2560	2420	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.801**	**0.725**	1.51	2.01
06/20/07	1650	1620	1.07	0.456	**0.000169**		0.348	0.332	0.232	0.304	370	375	**0.155**	**0.155**	5760	**0.00310**	**0.00310**	2640	2510	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.844**	**0.719**	**0.500**	**0.500**
07/16/07	1590	1720	1.37	0.573	**0.000169**		0.376	0.387	0.386		363		**0.155**	**0.155**	6090	**0.01480**	**0.00310**	2510	2680	0.0218	**0.00500**	**0.0500**	**0.0500**	**0.943**	**0.669**	1.06	
08/17/07	1460	1400	0.971	0.392	**0.00250**		0.331	0.334	0.307	0.406	378	377	**0.155**	**0.155**	5460	**0.00310**	**0.00310**	2450	2330	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.854**	**0.670**	1.81	2.07
09/19/07	1440	1450	4.06	1.12	**0.00250**		0.319	0.313	0.242	0.306	487	516	**0.155**	**0.155**	6220	**0.00310**	**0.00310**	2530	2590	0.0210	**0.00500**	**0.0500**	**0.0500**	1.12	**0.931**	1.24	2.06
10/15/07	1360	1470	2.06	0.772	**0.000169**		0.302	0.329	0.270	0.372	365	404	**0.155**	**0.155**	6230	**0.00310**	**0.00310**	2260	2430	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.731**	**0.684**	**0.155**	**0.500**
11/12/07	1530	1480	1.56	0.547	**0.00250**		0.351	0.328	**0.100**		404	409	**0.155**	**0.155**	5820	**0.00310**	**0.00310**	2590	2370	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.860**	**0.843**	**0.155**	
12/12/07	1410	1550	1.17	0.482	**0.000461**		0.296	0.341	0.236	0.402	358	433	**0.155**	**0.155**	6160	**0.00310**	**0.00310**	2340	2540	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.686**	**0.700**	**0.155**	**0.500**
01/19/08	1470	1450	1.64	0.302	**0.000750**		0.331	0.325	**0.100**	0.206	364	364	**0.155**	**0.155**	5790	**0.00310**	**0.00310**	2290	2270	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.911**	**0.813**	**0.155**	**0.500**
02/23/08	1490	1540	0.840	0.595	**0.000750**		0.340	0.358	0.201		387	420	**0.155**	**0.155**	6380	**0.00310**	**0.00310**	2370	2470	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.857**	**0.802**	**0.500**	
03/15/08	1280	1330	0.675	0.281	**0.000750**		0.314		0.261	0.438	318	346	**0.155**	**0.155**	4990	**0.00310**	**0.00310**	2130	2190	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.784**	**0.755**	2.40	**0.500**
03/28/08																												
04/22/08	1540	1560	0.686	0.419	**0.000750**		0.231	0.265	0.306		369	391	**0.155**	**0.155**	5920	**0.00310**	**0.00310**	2490	2610	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.806**	**0.807**	**0.500**	**0.500**
05/18/08	1210	1240	2.16	1.18	**0.000750**		0.283	0.288	**0.100**	0.337	341	342	**0.155**	**0.155**	4850	**0.00310**	**0.00310**	1970	1970	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.870**	**0.767**	**0.500**	1.20
06/13/08	1530	1450	1.37	0.715	**0.000750**		0.337	0.343	0.223	0.393	382	375	**0.155**	**0.155**	5840	**0.00310**	**0.00310**	2520	2410	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.952**	**0.893**	**0.500**	1.07
07/17/08	1430	1510	1.34	0.747	**0.000750**		0.291	0.325	0.308		336	372	**0.155**	**0.155**	5650	**0.00310**	**0.00310**	2270	2360	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.917**	**0.845**	**0.500**	**0.500**
08/21/08	1420	1530	0.816	0.510	**0.000750**		0.268	0.321	**0.100**	0.219	357	404	**0.155**	**0.155**	5700	**0.00310**	**0.00310**	2320	2390	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.622**	**0.808**	**0.500**	1.87
09/21/08	1480	1440	1.24	0.590	**0.000750**		0.143	0.145	0.223	0.271	383	379	**0.155**	**0.155**	5720	**0.00310**	**0.00310**	2330	2290	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.686**	**0.515**	**0.500**	1.21
10/20/08	1610	1480	1.64	0.551	**0.000750**		0.317	0.294	0.335	0.501	397	371	**0.155**	**0.155**	5820	**0.00310**	**0.00310**	2550	2380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.790**	**0.753**	**0.500**	1.35
11/21/08	1480		1.32	0.575	**0.000750**		0.230		0.338	0.420	365		**0.155**	**0.155**	6960	**0.00310**	**0.00310**	2400	2930	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.885**	**0.990**	**0.500**	1.19
12/10/08	1590	1590	1.25	0.324	**0.000750**		0.275	0.276	0.216	0.297	381	383	**0.155**	**0.155**	5980	**0.00310**	**0.00310**	2490	2500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.797**	**0.709**	**0.500**	
Mean	1450	1450	1.67	0.826	0.000800	NA	0.295	0.296	0.271	0.348	382	389	0.142	0.141	5500	0.00330	0.00300	2340	2380	0.00660	0.00560	0.0650	0.0660	0.867	0.772	1.05	1.32
Median	1480	1480	1.48	0.583	0.000500	NA	0.312	0.318	0.264	0.350	379	391	0.155	0.155	5680	0.00310	0.00310	2340	2420	0.00500	0.00500	0.0500	0.0500	0.863	0.805	0.750	1.20
St. Deviation	150	210	0.820	0.705	0.000740	NA	0.0630	0.0690	0.116	0.0990	40	58	0.0300	0.0310	930	0.00170	0.000300	210	260	0.00440	0.00300	0.0540	0.0660	0.225	0.185	0.818	0.780
# of values	48	47	48	44	47	0	48	42	48	28	48	45	48	48	48	48	47	48	48	48	48	48	48	48	48	48	33	
Minimum	1050	439	0.675	0.263	0.000147	NA	0.143	0.145	0.0149	0.11	312	111	0.0614	0.0531	1530	0.00144	0.00144	1940	1580	0.00213	0.00213	0.0155	0.0155	0.11	0.25	0.155	0.235
Maximum	1760	1860	4.16	4.4	0.0029	NA	0.395	0.426	0.533	0.6	487	516	0.155	0.155	6960	0.0148	0.0031	2790	2990	0.0218	0.0125	0.296	0.427	1.38	1.20	3.12	2.99
% of values undetected	0%	0%	0%	0%	89%		8%	12%	15%	0%	0%	0%	96%	96%	0%	98%	100%	0%	0%	92%	98%	98%	98%	4%	4%	52%	39%	
# of values between MDL and PQL	0	0	1	0	2		3	2	1	0	0	0	2	2	0	1	0	0	0	2	1	0	1	23	29	2	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	16.13	16.09	NA	NA	5	4.6	NA	0.3734728	0.317	NA	NA	NA	NA	NA	NA	NA	NA	36.99	36.47	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT119B																										
Sample Date																										
04/30/04	6.37	1.46	12.83		0.031		0.400	8.64	24.0	15.0	1.01	**1.57**	10.0	0.123			**0.0155**	**0.0155**		0.757	**0.0155**	0.643	**0.00125**	0.00400	**0.0650**	
05/20/04	6.83	2.32	10.94		0.038	4.8	2.40	14.2	36.0	43.8	**0.400**	**1.57**	16.5				**0.0155**	**0.0155**		0.723	**0.0500**	0.754	**0.00125**	**0.00125**	**0.0650**	
06/17/04	6.82	4.52	11.39		0.042	87.0	0.600	13.1	40.0	33.8	**1.875**	**1.57**	18.0				**0.0155**	**0.0155**		0.760	0.103	0.799	0.0066	0.00340	**0.0650**	
07/15/04	6.71	4.71	14.01		0.051	162.0	3.80	16.8	47.1	37.5	**0.400**	**1.57**	23.0	**0.310**			**0.0155**	0.0359		0.747	**0.0500**	**0.0155**	**0.00125**	**0.00125**	**0.0650**	
08/26/04	6.81	5.17	14.46	115.2	0.055	217.0	0.500	16.6	50.0	38.8	1.20	**1.57**	22.0	**0.155**			**0.0155**	**0.0155**		0.823	0.0340	0.878	**0.00125**	0.0029	**0.0650**	
09/16/04	6.86	3.40	11.93	90.2	0.053	191.0		18.5	60.0	37.5	**0.300**	**1.57**	23.0				**0.0155**	**0.0155**		0.901		1.06	**0.00125**	0.0025	0.200	
10/15/04	6.96	3.76	12.91	98.4	0.046	153.0		17.3	43.0	46.3	0.600	**1.57**	20.0	**0.155**			0.0450	**0.0155**		0.857	**0.0155**	0.880	0.0060	**0.0025**	0.260	
01/27/05	7.29	1.29	12.75		0.050	144.0	4.50	16.9	45.0	23.8	0.500	**0.785**	22.0	0.110			**0.0500**	0.0371		0.712	**0.0155**	1.80	**0.00125**	**0.00125**	0.170	
03/15/05	6.93	2.58	12.40	92.6	0.050	163.0	1.20	17.2	44.0	12.5	**0.200**	**2.25**	20.0	0.110			**0.0500**	0.0293		0.782	**0.0155**	1.04	**0.00125**	**0.00125**	0.440	
05/02/05	5.43	1.94	14.29	103.0	0.027	240.0	0.370	10.2	26.0	23.7	2.10	**0.785**	11.0	0.210			0.0450	0.0192		0.764	**0.0155**	0.652	**0.00125**	**0.00125**	0.140	
06/03/05	7.28	4.46	12.28	95.5	0.046	-14.0	2.50	17.1	39.5	35.0	1.10	**1.75**	20.0	0.110			**0.0155**	0.0165		0.679	**0.0155**	0.809	**0.00125**	**0.00125**	0.240	
07/10/05	6.90	4.85	10.35	80.7	0.047	-67.0	0.300	18.6	44.0	33.8	**0.400**	**0.785**	21.3	**0.0510**			**0.0155**	0.0410		0.648	**0.0155**	0.777	**0.0025**	**0.0025**	0.120	
08/15/05	7.06	5.72	9.33	74.4	0.045	171.1		20.0	42.5	31.3	**0.300**	**2.13**	21.5	**0.0985**			**0.0155**	0.0110		0.663	**0.0155**	0.892	**0.00125**	0.0040	0.600	
09/13/05	6.29	5.63	12.12	96.5	0.038	117.6	0.400	15.9	39.5	28.8	1.10	**0.785**	18.0	**0.0155**			0.0340	0.0057		0.702	**0.0155**	0.687	**0.00125**	**0.00125**	0.230	
10/30/05	6.05	2.40	12.95	94.9	0.041	116.0	0.280	17.2	41.0	53.8	0.500	**2.00**	20.5	**0.0810**			**0.0155**	0.0130		0.688	**0.0155**	0.863	**0.00125**	**0.00125**	0.960	
01/19/06	6.28	1.29			0.041	-50.8	0.140	18.5	45.0	27.5	0.622	**2.50**	21.5	0.095			**0.0155**	0.0085		0.709	**0.0155**	1.33	**0.00125**	**0.00125**	0.220	
02/07/06	6.34	2.18	10.41	75.7	0.043	46.7	0.080	18.4	45.0	30.0	**0.309**	**3.00**	24.0	**0.0805**			**0.0155**	0.0150		0.693	**0.0155**	1.04	**0.00125**	**0.00125**	**0.0295**	
03/14/06	6.43	2.51	11.47	84.2	0.029		0.270	19.2	48.0	43.8	**0.076**	**3.00**	24.0	0.172			**0.0500**	0.0076		0.697	**0.0155**	1.10	**0.00125**	**0.00125**	**0.155**	
05/19/06	4.66	0.720	10.31	72.4	0.018	-0.9	0.470	8.78	20.0	20.0	0.800	**3.25**	**3.10**	0.188	**0.0155**	0.177	0.0420	0.0170	**0.0155**	1.22	**0.0155**	0.766	**0.00125**	**0.00125**	**0.155**	
06/17/06	6.63	4.60	8.16	63.2	0.037	69.2	0.350	16.0	36.0	26.3	0.600	**2.75**	17.0	**0.0695**	**0.0665**	**0.0155**	0.0450	**0.00155**	**0.05**	0.805	**0.0155**	0.800	**0.00125**	**0.00125**	**0.155**	
07/24/06	6.20	4.23	9.30	71.3	0.043	235.5	0.130	19.6	43.0	42.5	1.53	**3.00**	**28.0**	**0.0590**	**0.0155**	0.0590	**0.0155**	0.0110	**0.05**	0.734	0.0410	0.862	0.0030	**0.0025**	**0.155**	
08/15/06	7.03	6.51	7.82	63.6	0.033	330.4	0.340	16.3	33.0	38.7	0.900	**1.57**	16.0	**0.0765**	**0.0155**	0.0680	**0.0155**	0.0080	**0.05**	0.655	**0.0155**	0.704	**0.00075**	**0.0025**	**0.155**	
09/12/06	6.50	6.11	10.21	83.2	0.038	197.8	0.140	16.6	39.0	23.8	0.500	**1.57**	20.0	**0.0480**	**0.0155**	0.0475	0.0410	0.0190		0.771	0.0640	0.720	**0.00075**	**0.00075**	**0.155**	
11/04/06	6.42	1.50	9.83	70.1	0.040	125.7	0.090	16.8	39.0	13.8	0.606	**1.57**	20.0	0.0645	**0.0155**	0.0545	**0.0155**	0.0097	**0.0155**	0.651	**0.0155**	0.677	**0.00075**	**0.00075**	**0.155**	
12/11/06	7.02	1.55	10.47	74.4	0.036	158.1	0.070	16.5	37.0	33.7	**0.158**	**1.57**	36.0	0.0450	**0.0155**	0.0450	**0.0500**	0.0120	**0.0155**	0.729	**0.0155**	0.774	**0.00075**	**0.00075**	**0.155**	
01/14/07	7.10	1.62	11.14	81.3	0.037	116.1	0.430	15.5	38.0	35.0	**0.150**	**1.57**	43.0	0.126	**0.0155**	0.122	**0.0155**	**0.00155**	**0.0155**	0.730	0.0370	0.827	**0.00075**	**0.00075**	**0.155**	
02/18/07	6.12	2.11	9.10	66.0	0.034	264.4	0.130	32.0	70.0	51.3	0.889	**1.57**	24.0	0.0800	**0.0155**	0.0800	0.0371	**0.00155**	**0.05**	0.749	0.0350	11.0	**0.00075**	0.0050	**0.155**	
03/14/07	6.83	0.530	11.29	78.2	0.029	216.5	0.090	14.6	37.0	37.5	**0.150**	**4.00**	20.0	0.0935	**0.0155**	0.0925	**0.0155**	0.145		0.654	**0.0155**	1.47	**0.00075**	**0.00075**	**0.155**	
04/02/07	6.62	1.87	7.13	51.2	0.037	190.8																				
04/22/07	6.99	0.400	9.31	64.7	0.017	265.8	1.32	7.19	17.0	11.3	0.833	**1.57**	**3.10**	0.0675	**0.0155**	0.0530	**0.0155**	0.0090	**0.0155**	0.984	0.0440	0.791	**0.00075**	**0.00075**	0.450	
05/14/07	6.22	2.36	12.76	93.3	0.019	211.3	0.530	9.08	19.0	**1.55**	0.503	**1.57**	**6.50**	**0.0500**			**0.0155**	0.0100		0.607	**0.0155**	0.608	**0.00075**	**0.00075**	**0.155**	
06/20/07	7.15	11.32	8.72	79.7	0.035	150.1	0.400	16.3	39.0	48.8	0.400	**1.57**	21.0	**0.0500**			**0.0500**	**0.0050**		0.743	0.0590	0.970	**0.00075**	**0.00075**	**0.155**	0.678
07/14/07	6.99	8.95	9.24	80.1	0.040	58.9	0.150	17.4	39.0	32.5	0.306	**1.57**	20.8	**0.0155**			0.0541	**0.0050**		0.656	0.0370	0.689	**0.00075**	**0.00075**	**0.155**	0.850
08/17/07	7.20	8.30	9.33	79.3	0.034	107.4	0.460	17.6	40.0	31.3	4.32	**1.57**	20.7	**0.0155**			0.0834	0.0083		0.561	**0.0155**	0.509	**0.00075**	**0.00075**	**0.155**	0.811
09/20/07	6.09	6.44	9.19	74.7	0.029	179.0	0.440	14.0	29.5	15.0	2.90	**1.57**	12.0	0.0395			**0.0155**	**0.00155**		0.734	**0.0155**	0.518	**0.00075**	**0.00075**	**0.155**	2.01
10/15/07	6.89	2.91	10.86	80.5	0.037	51.4	0.150	16.1	37.0	36.3	0.737	**1.57**	16.9	**0.0500**			**0.0155**	**0.0050**		0.626	**0.0155**	0.620	**0.00075**	**0.00075**	**0.155**	0.373
11/11/07	7.24	1.76	10.99	77.9	0.039	205.5	0.140	16.3	38.0	10.0	**0.150**	**1.57**	17.6	0.0570			**0.0155**	0.0160		0.627	**0.0155**	0.672	**0.00075**	**0.00075**	**0.155**	0.743
12/12/07	6.95	2.21	14.07	102.4	0.042	128.1	0.0900	17.6	43.5	28.8	**0.150**	**1.57**	20.6	0.0630			**0.0155**	0.0119		0.617	**0.0155**	0.683	0.0042	**0.0025**	**0.155**	0.324
01/19/08	6.48	1.08	9.06	64.0	0.040	205.0	0.500	16.2	40.0	17.5	**0.150**	**1.57**	17.6	0.361			**0.0155**	0.0109		0.632	**0.0155**	0.710	**0.00075**	0.0016	**0.155**	0.469
02/23/08	6.53	1.79	8.94	64.4	0.039	229.5	0.0800	15.4	43.1	27.5	**0.341**	**4.98**	20.4	**0.0155**			**0.0155**	0.0130		0.633	**0.0155**	0.744	**0.00075**	**0.00075**	**0.155**	**0.250**
03/16/08	7.06	1.89	10.42	75.1	0.037	165.8	0.210	12.9	39.2	27.5	**0.153**	**8.38**	17.4	0.144			**0.0155**	0.0116		0.637	**0.0155**	0.814	**0.00075**	**0.00075**	**0.155**	0.380
03/28/08	7.60	1.70	10.64	76.5	0.028	243.5																				
04/22/08								14.2	39.3	**1.55**	9.44	**1.57**	16.6	**0.0500**			0.0322	0.0129		0.655	0.0380	0.864	**0.00075**	**0.00075**	**0.155**	0.393
04/29/08	6.96	1.67	10.69	76.7	0.032	209.7	0.290																			
05/18/08	7.21	0.600	9.66	67.2	0.019	180.2	0.270	7.49	22.4	18.8	0.406	**3.84**	**6.98**	**0.0875**			0.0746	0.0394		0.559	**0.0155**	0.6	**0.0025**	**0.0025**	**0.155**	2.11
Mean	6.69	3.29	10.82	79.8	0.037	147.1	0.640	15.8	39.0	29.2	0.950	2.09	19.0	0.0972	0.0201	0.0740	0.0282	0.0170	0.03	0.721	0.0254	1.06	0.0014	0.0016	0.193	0.783
Median	6.83	2.34	10.64	78.1	0.038	162.5	0.340	16.4	39.4	30.7	0.500	1.57	20.0	0.0800	0.0155	0.0590	0.0155	0.0120	0.016	0.706	0.0155	0.784	0.0013	0.0013	0.155	0.574
St. Deviation	0.530	2.43	1.800	13.4	0.009	88.8	0.990	4.10	9.90	12.6	1.57	1.33	7.00	0.0738	0.0154	0.0440	0.0183	0.0220	0.02	0.116	0.0186	1.60	0.0013	0.0011	0.159	0.630
# of values	44	44	43	38	44	42	39	42	42	42	42	42	42	39	11	11	42	42	9	42	41	42	42	42	42	12
Minimum	4.66	0.400	7.13	51.2	0.017	-67	0.07	7.19	17.0	1.55	0.076	0.785	3.1	0.0155	0.0155	0.0155	0.0155	0.00155	0.0155	0.559	0.0155	0.0155	0.00075	0.00075	0.0295	0.25
Maximum	7.60	11.32	14.46	115.2	0.055	330.4	4.5	32.0	70.0	53.8	9.44	8.38	43.0	0.361	0.0665	0.177	0.0834	0.145	0.050	1.22	0.1030	11.0	0.0066	0.0050	0.960	2.11
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	24%	67%	5%	28%	91%	9%	74%	31%	100%	0%	76%	2%	90%	83%	71%	8%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	12	14	3	18	1	8	11	11	0	0	9	0	2	6	12	5
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.93	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT119B																												
Sample Date																												
04/30/04	72.6	47.8	**0.0385**		**0.492**	**0.481**	2.73	2.45	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0490**	2830	2870	0.297	0.353	**0.0155**		0.276		34.4	24.8	**0.100**	**0.100**
05/20/04	32.3	**12.5**	**0.100**	**0.100**	**0.250**	**0.250**	8.87	8.47	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4750	4580	0.208	**0.100**	**0.0155**		**0.100**	**0.100**	56.3	45.3	**0.0500**	**0.0500**
06/17/04	**12.5**	**12.5**	**0.0385**	**0.183**	0.533	0.544	10.3	10.3	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4390	4930	0.289	0.296	**0.0155**		**0.100**	0.229	23.9	**10.6**	**0.168**	**0.0500**
07/15/04	**12.5**	**12.5**	**0.0385**	**0.100**	1.05	1.10	7.68	7.36	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0500**	**0.0155**	5590	6000	0.517	0.329	**0.0155**		**0.100**	**0.100**	27.4	**10.0**	**0.0500**	**0.0500**
08/26/04	**12.5**	**12.5**	**0.0385**	**0.100**	1.56	1.49	4.63	4.24	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5590	6000	0.718	0.384	**0.0155**		**0.100**	**0.100**	**10.0**	**3.1**	**0.0500**	**0.0500**
09/16/04	**12.5**	**12.5**	**0.0385**	**0.0817**	1.86	1.89	3.15	3.17	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6120	6470	0.461	0.433	**0.0155**	**0.0500**	**0.100**	**0.100**	**3.1**	**3.1**	**0.0500**	**0.0500**
10/15/04	**12.5**	**12.5**	**0.0385**	**0.0385**	0.702	**0.428**	11.4	10.3	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**3.40**	**0.0155**	**0.0155**	5940	4830	**0.0500**		**0.0155**		**0.100**	**0.100**	**13.8**	**3.1**	**0.0500**	**0.0500**
01/27/05	19.7	2.89	0.0308	0.0394	0.871	0.646	8.51	6.50	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5610	5740	0.648	0.658	0.0116	**0.00155**	**0.0954**	**0.0758**	22.3	**3.1**	**0.0155**	**0.0155**
03/15/05	6.9	1.94	0.0393	0.0392	1.26	1.29	4.17	4.00	**0.00150**	**0.001495**	**0.00384**	**0.00384**	1.37	1.50	**0.00310**	**0.00310**	5740	5620	0.319	0.302	**0.00983**	**0.0105**	**0.0300**	0.0701	**6.15**	**1.3**	**0.0110**	**0.0350**
05/02/05	75.1	33.1	**0.0194**	0.0208	0.516	0.463	5.81	5.08	**0.00403**	**0.001495**	**0.00384**	**0.00384**	1.70	1.68	**0.00707**	**0.0100**	3360	3400	**0.107**	**0.140**	**0.0276**	**0.0198**	0.433	0.197	60.7	19.6	**0.0350**	**0.0350**
06/03/05	15.2	4.40	0.0264	0.0240	0.576	0.637	10.4	9.55	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**3.30**	**1.55**	**0.00775**	**0.00775**	5810	5580	**0.100**	**0.100**	0.0168	0.0126	0.470	0.118	**10.0**	**10.0**	**0.0155**	
07/10/05	10.8	4.57	0.0164	0.0238	0.783	1.16	7.83	7.81	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	6160	6150	0.552	0.571	**0.00155**	**0.00155**	**0.0500**	0.102	**10.0**	22.0	**0.0155**	**0.0500**
08/15/05	15.2	17.8	0.0374	0.0358	1.22	1.37	6.7	6.30	**0.00750**	**0.00750**	**0.00155**	**0.00540**	**4.50**	**5.00**	**0.00775**	**0.00775**	6700	6510	0.659	0.804	0.0244	0.0328	0.130		**10.0**	**10.0**	**0.0155**	
09/13/05	30.1	17.7	0.0188	0.0286	**0.350**	**0.263**	12.3	12.0	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5350	5400	0.860	1.04	0.0424	0.0364	0.151	0.251	39.0	25.1	**0.0155**	
10/30/05	15.7	4.52	0.0184	0.0232	**0.424**	0.553	10.0	9.78	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**3.80**	**3.40**	**0.00775**	**0.00775**	5730	5640	0.529	0.515	0.0218	0.0208	**0.0500**		**14.8**	**3.1**	**0.0155**	
01/19/06	6.85	3.36	**0.0358**	**0.0432**	1.10	1.34	5.45	5.62	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	**0.0125**	**0.0125**	6170	6650	0.866	0.890	0.0218	0.0206	0.279	0.159	**18.1**	**14.1**	0.334	0.0784
02/07/06	15.3	2.86	0.0712	0.0674	1.17	1.28	4.19	4.19	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	**0.0125**	**0.0125**	6120	6330	0.740	0.477	0.0280	0.0284	0.183	0.204	22.7	**10.0**	**0.0250**	
03/14/06	4.34	2.87	0.0526	0.0578	1.37	1.59	2.88	3.14	**0.0120**	**0.0120**	0.0552	**0.0250**	**0.750**	**0.75**	**0.0125**	**0.0125**	6340	7100	0.494		**0.0100**	0.0224	0.553	0.138	**10.0**	**13.7**	**0.0250**	
05/19/06	53.0	33.2	**0.0250**	**0.0250**	0.609	0.593	3.53	3.09	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	**0.0125**	**0.0125**	2820	2360	0.631	0.653	0.0324	0.0310	0.259	0.286	40.8	20.7	3.14	0.314
06/17/06	19.3	12.4	**0.0256**	**0.0234**	**0.155**	**0.155**	9.69	9.80	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**1.90**	**0.75**	**0.0125**	**0.0125**	5430	5310	0.829	0.805	0.0302	0.0262	0.189	0.276	21.8	**14.3**	**0.0250**	
07/24/06	22.3	4.00	**0.0374**	**0.0376**	0.760	0.733	8.52	8.33	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	6620	6670	0.819	0.637	0.0388	0.0322	0.109	0.151	36.8	**10.0**	**0.0500**	
08/15/06	47.3	30.4	**0.0164**	**0.0190**	**0.469**	0.658	8.63	7.89	**0.0125**	**0.0125**	**0.00750**	**0.0246**	**1.25**	**1.25**	**0.0185**	**0.0185**	5440	4570	0.553	0.228	0.0312	0.0340	0.192		60.9	27.9	**0.0500**	0.131
09/12/06	13.6	6.38	**0.0075**	**0.0176**	**0.155**	**0.155**	14.0	13.4	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	5590	5810	**0.100**		**0.0196**	0.0258	0.102		28.4	23.8	0.147	0.140
11/04/06	10.1	4.39	**0.0075**	**0.00750**	**0.441**	**0.155**	12.7	13.1	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	5700	5880	**0.0500**	**0.0500**	**0.0190**	**0.0172**	**0.0500**	0.167	**10.0**	**3.1**	**0.0500**	**0.0500**
12/11/06	9.92	6.87	**0.0075**	**0.00750**	**0.155**	**0.155**	9.01	9.69	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	5530	5540	**0.125**	**0.0500**	**0.0194**	0.0202	0.119		**18.3**	**15.8**	**0.0500**	0.141
01/14/07	4.83	2.66	0.0502	**0.0250**	**0.155**	**0.155**	7.11	7.70	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5130	5970	**0.149**	**0.173**	**0.0100**	**0.00500**	0.119	0.183	**3.10**	**3.1**	2.35	**0.0346**
02/18/07	32.4	5.22	0.150	0.0560	**0.155**	**0.155**	7.73	7.42	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0188**	**0.00750**	8900	9570	0.308	**0.100**	0.0906	0.0870	1.96	1.26	643.0	78.9	37.7	**0.0500**
03/14/07	6.28	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	4.78	4.66	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	4830	4560	**0.0500**	**0.0500**	**0.0100**		0.102		**10.0**	**3.1**	**0.0155**	
04/02/07																												
04/22/07	70.1	45.7	**0.0236**	**0.0190**	**0.155**	**0.155**	4.75	4.25	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	2300	2110	0.335	0.405	0.0264		0.353		56.9	34.9	**0.0526**	**0.0682**
05/14/07	39.6	29.1	**0.0264**	**0.00750**	**0.155**	**0.155**	5.10	4.27	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0162**	**0.00750**	2990	2510	0.479	0.273	**0.0100**		0.188		30.8	22.7	**0.0500**	**0.0500**
06/20/07	11.1	8.57	**0.0250**	**0.0250**	**0.155**	**0.155**	12.0	12.8	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5520	6070	0.230	0.201	**0.0128**	**0.0166**	**0.0500**		**14.7**	**15.0**	0.125	**0.0500**
07/14/07	9.28	6.59	**0.0250**	**0.0250**	**0.155**	**0.155**	11.3	11.3	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5950	5980	0.224	0.350	**0.0152**	0.0202	**0.0500**	0.186	22.7	**17.9**	**0.0155**	**0.0155**
08/17/07	33.3	4.35	**0.0212**	**0.0200**	**0.155**	**0.155**	9.07	8.25	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6030	5600	0.410	0.365	0.0250	**0.0158**	0.235	0.229	37.1	**10.0**	**0.0500**	**0.0155**
09/20/07	83.6	44.1	**0.00750**	**0.0184**	**0.155**	**0.155**	12.7	11.7	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	4760	4770	0.421	0.393	0.0350	**0.0196**	0.211		73.9	31.3	**0.0155**	**0.0155**
10/15/07	23.4	8.91	**0.00750**	**0.0282**	**0.155**	**0.155**	12.6	13.1	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5540	6130	0.360	0.406	**0.0160**	**0.0104**	0.129	0.163	**18.7**	**11.7**	**0.0155**	**0.0155**
11/11/07	11.4	6.35	**0.0220**	**0.0260**	**0.155**	**0.155**	12.1	13.1	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5550	6210	**0.100**	**0.0500**	**0.00500**	**0.0116**	0.129		**10.0**	**3.1**	**0.0155**	**0.0155**
12/12/07	8.36	4.32	**0.0162**	**0.0342**	**0.155**	**0.155**	12.6	14.5	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6020	7100	0.302	0.373	**0.00500**	**0.00500**	0.122		**10.0**	**10.0**	**0.0155**	**0.0500**
01/19/08	6.27	3.67	**0.00750**	**0.0174**	**0.155**	**0.155**	8.72	9.04	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5470	5730	0.418	0.320	**0.00500**	**0.0114**	**0.0500**		**15.0**	**11.6**	**0.0155**	**0.0500**
02/23/08	4.52	2.43	**0.0250**	**0.0250**	**0.155**	**0.155**	6.39	6.66	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5110	5280	0.348	0.438	**0.00500**	**0.0100**	0.103		**14.8**	**12.5**	**0.0155**	**0.0155**
03/16/08	2.88	4.83	**0.0160**	**0.0366**	**0.155**	**0.155**	4.26		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	4290	5000	**0.0500**	**0.123**	**0.00500**	**0.0120**	**0.0250**		**14.5**	**15.3**	**0.0155**	**0.0155**
03/28/08																												
04/22/08	51.6	2.59	**0.00750**	**0.00750**	**0.155**	**0.155**	4.22	3.89	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	4570	4680	0.381	0.319	0.0245	**0.0126**	0.128		59.3	**17.5**	**0.0155**	**0.0155**
04/29/08																												
05/18/08	47.1	38.2	**0.00750**	**0.00750**	**0.155**	**0.155**	4.75	4.58	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	2470	2500	**0.100**	**0.100**	**0.0143**	**0.0133**	0.363	0.451	28.2	22.4	**0.0155**	**0.0155**
Mean	23.9	12.74	0.0307	0.0377	0.511	0.524	7.93	7.87	0.0104	0.0104	0.1314	0.1311	1.49	1.55	0.01196	0.0115	5260	5370	0.385	0.365	0.0198	0.0210	0.206	0.216	39.8	15.9	1.07	0.0570
Median	14.4	6.49	0.0250	0.0250	0.300	0.203	8.17	7.81	0.0125	0.0125	0.007500	0.007500	1.25	1.25	0.007750	0.00775	5550	5630	0.354	0.350	0.0155	0.0196	0.121	0.163	20.3	13.1	0.0300	0.0500
St. Deviation	21.6	13.28	0.0262	0.0337	0.462	0.502	3.28	3.44	0.00290	0.00300	0.2801	0.2802	0.720	0.940	0.007510	0.00729	1260	1440	0.247	0.248	0.0148	0.0160	0.303	0.233	97.0	14.0	5.82	0.0580
# of values	42	42	42	41	42	42	42	41	42	42	42	42	42	42	42	42	42	42	42	39	42	33	42	25	42	42	42	33
Minimum	2.88	1	0.0075	0.0075	0.155	0.155	2.73	2.45	0.00150	0.00150	0.00155	0.00155	0.75	0.75	0.0031	0.0031	2300	2110	0.050	0.050	0.00155	0.00155	0.025	0.0701	3.1	1.325	0.011	0.016
Maximum	83.6	47.8	0.150	0.183	1.86	1.89	14.0	14.5	0.0125	0.0125	0.750	0.750	4.50	5.00	0.0500	0.0490	8900	9570	0.866	1.04	0.0906	0.087	1.96	1.26	643	78.9	37.7	0.314
% of values undetected	12%	17%	48%	37%	50%	52%	0%	0%	98%	100%	98%	95%	86%	90%	93%	98%	0%	0%	19%	21%	38%	18%	33%	20%	26%	40%	81%	79%
# of values between MDL and PQL	0	0	11	15	5	3	0	0	1	0	0	2	4	2	3	1	0	0	3	3	10	12	1	1	10	12	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.044	0.045	NA	NA	10.98	10.56276	NA	NA	1.152	1.106	1000	1000	0.141	0.162
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	2%	4%	0%	0%	14%	3%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT119B																												
Sample Date																												
04/30/04	380	390	6.46	6.28			**0.155**	**0.155**	**0.107**		262	269	**0.155**	**0.155**	2010	**0.00310**	**0.00310**	1040	1100	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.27	
05/20/04	572	549	1.32		0.00140		**0.155**	**0.155**	**0.100**	0.323	155	159	**0.155**	**0.155**	3050	**0.00310**	**0.00310**	1290	1330	**0.0125**	**0.0125**	**0.155**	**0.155**	0.902	0.607	1.60	**0.750**
06/17/04	512	547	1.39		**0.000500**		**0.155**	**0.155**	**0.100**	0.323	134	146	**0.155**	**0.155**	3370	**0.00310**	**0.00310**	1240	1380	**0.0125**	**0.0125**	**0.155**	**0.155**	0.537	0.596	1.92	**0.750**
07/15/04	686	668	**0.934**	1.10	**0.000500**		**0.155**	**0.155**	**0.100**	**0.0310**	153	159	**0.155**	**0.155**	4150	**0.00310**	**0.00310**	1630	1650	**0.0125**	**0.0125**	**0.155**	**0.155**	0.573	0.737	**0.235**	**0.750**
08/26/04	635	707	**0.500**		**0.000500**		**0.155**	**0.155**	**0.150**	**0.0310**	206	236	**0.155**	**0.155**	4870	**0.00310**	**0.00310**	1510	1770	**0.0125**	**0.0125**	**0.155**	**0.155**	0.400	0.653	**0.750**	1.59
09/16/04	773	715	**0.500**	**0.250**	**0.000500**		**0.155**	**0.155**	**0.100**	0.2100	254	245	**0.155**	**0.155**	4940	**0.00310**	**0.00310**	1770	1640	**0.0435**	**0.0461**	**0.155**	**0.155**	0.727	0.804	**0.235**	**0.235**
10/15/04	603	551	**0.803**	1.03	0.00120		**0.155**	**0.155**	**0.120**	0.297	174	138	**0.155**	**0.155**	4050	**0.00310**	**0.00310**	1560	1390	**0.0125**	**0.0125**	**0.155**	**0.155**	0.491	0.450	**0.750**	**0.750**
01/27/05	704	684	1.13	**0.132**	0.00110		0.0974	0.0964	0.153	0.193	186	176	**0.0775**	**0.0775**	4280	**0.00310**	**0.00310**	1570	1580	**0.0031**	**0.00310**	**0.0310**	**0.0310**	**0.361**	**0.212**	**0.750**	2.24
03/15/05	703	694	0.441	0.159	**0.000147**		**0.0500**		**0.0149**		191	196	**0.0328**	**0.0143**	4530	**0.00144**	**0.00144**	1500	1210	**0.002125**	**0.00213**	0.282	**0.100**	0.491	0.472	**0.235**	**0.500**
05/02/05	449	450	3.95	2.00	**0.000147**		**0.0594**	**0.0169**	**0.0450**		172	182	**0.0306**	**0.0143**	2740	**0.00500**	**0.00144**	1090	1060	**0.002125**	**0.00213**	**0.100**	**0.0302**	0.338	0.263	**0.660**	
06/03/05	630	640	0.707	0.294	**0.000450**		0.0698	0.0696	0.379		163	163	**0.0775**	**0.0775**	3690	**0.00310**	**0.00310**	1570	1620	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.483	**0.200**	**0.750**	**0.750**
07/10/05	791	736	1.03	0.404	**0.000450**		**0.0100**	0.0252	0.111		163	150	**0.0775**	**0.0775**	4000	**0.00310**	**0.00310**	1840	1760	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.408	**0.288**	1.94	2.43
08/15/05	785	747	0.925	0.477	**0.000450**		0.0342		0.275		204	206	**0.0775**	**0.0775**	4480	**0.00310**	**0.00310**	1840	1780	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.528	**0.204**	**0.750**	2.18
09/13/05	625	625	1.63	0.966	**0.00250**		0.0210		0.258		172	181	**0.0775**	**0.0775**	4280	**0.00310**	**0.00310**	1540	1620	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.375**	**0.100**	**0.750**	2.42
10/30/05	704	708	1.32	0.486	**0.000450**		0.0642	0.0702	0.237		157	163	**0.0775**	**0.0775**	4520	**0.00310**	**0.00310**	1740	1760	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.580	0.555	**0.823**	2.12
01/19/06	751	816	0.497	0.198	**0.000450**		0.124	0.130	0.227	0.273	198	223	**0.155**	**0.155**	4950	**0.00310**	**0.00310**	1750	1930	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.22	
02/07/06	750	754	0.605	0.186	**0.000475**		0.135	0.125	0.302		211	219	**0.155**	**0.155**	4640	**0.00310**	**0.00310**	1770	1820	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.53	2.54
03/14/06	829	880	0.19	0.151	**0.000475**		0.141	0.132	**0.158**		225	248	**0.155**	**0.155**	5100	**0.00310**	**0.00310**	1870	2070	**0.00500**	**0.00250**	**0.0155**	**0.0155**	1.09	0.913	2.47	
05/19/06	424	407	14.5	11.8	**0.00250**		0.0550	**0.0482**	0.252		344	306	**0.155**	**0.155**	1660	**0.00310**	**0.00310**	1020	1030	**0.00900**	**0.00840**	**0.0155**	**0.0155**	**0.300**	**0.110**	3.02	
06/17/06	602	624	0.606	0.381	**0.000475**		**0.0426**	0.0544	0.200		174	171	**0.155**	**0.155**	890	**0.00310**	**0.00310**	1490	1580	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.55	1.09
07/24/06	735	684	2.01	0.297	**0.000475**		0.123	0.120	0.246		188	176	**0.155**	**0.155**	4100	**0.00310**	**0.00310**	1620	1580	**0.00500**	**0.0138**	**0.0500**	**0.0500**	**0.546**	**0.250**	1.20	1.66
08/15/06	661	548	2.04	0.770	**0.000475**		0.111	0.0538	0.207	0.390	170	153	**0.155**	**0.155**	3290	**0.00310**	**0.00310**	1550	1350	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.48	1.68
09/12/06	633	638	1.29		**0.000475**		**0.0145**	**0.0338**	**0.133**		138		**0.155**	**0.155**	3680	**0.00310**	**0.00310**	1520	1510	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.59	1.78
11/04/06	631	683	0.948	0.362	**0.000475**		0.0712	0.0552	**0.100**	0.278	137	151	**0.155**	**0.155**	3830	**0.00310**	**0.00310**	1530	1600	**0.0188**	**0.00500**	**0.0500**	**0.0500**	1.10	**0.979**	**0.500**	
12/11/06	655	736	1.08	0.364	**0.000475**		0.0676		0.205	0.208	157	188	**0.155**	**0.155**	3800	**0.00310**	**0.00310**	1550	1620	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.531**	1.40	
01/14/07	658		0.432	0.228	**0.000169**		0.0672	0.0862	**0.100**	0.332	183	192	**0.155**	**0.155**	4390	**0.00310**	**0.00310**	1490	1800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	12.9	4.72
02/18/07	2370	2340	43.3	41.0	**0.000169**		0.609	0.624	0.440	0.524	525	550	**0.375**	**0.155**	6170	**0.00310**	**0.00310**	3250	3150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	7.49	4.68
03/14/07	618	638	0.700		**0.000169**		0.0726	0.0756	**0.100**		146	138	**0.155**	**0.155**	4040	**0.00310**	**0.00310**	1530	1530	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
04/02/07																												
04/22/07	351	349	3.81		**0.00250**		**0.0362**	**0.0264**	**0.100**		628	605	**0.155**	**0.155**	1350	**0.00310**	**0.00310**	967	965	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.99	
05/14/07	394	346	1.52		**0.000805**		**0.0250**	**0.0250**	**0.100**		268	227	**0.155**	**0.155**	1710	**0.00310**	**0.00310**	1020	851	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.43	2.60
06/20/07	623		0.744	0.521	**0.000169**		0.0572	0.0854	**0.100**	0.202	139		**0.155**	**0.155**	3360	**0.00310**	**0.00310**	1530	1710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.315**	**0.350**	**0.500**	1.23
07/14/07	617	710	0.748	0.516	**0.000169**		0.0564	0.0732	**0.100**	0.275	115	150	**0.155**	**0.155**	3670	**0.00310**	**0.00310**	1590	1650	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/17/07	620	602	3.40	0.803	**0.00250**		0.0582	0.0632	0.237	0.247	129	136	**0.155**	**0.155**	3410	**0.00310**	**0.00310**	1650	1530	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.78	2.87
09/20/07	509	539	4.27	0.975	**0.00250**		**0.0250**	**0.0250**	**0.100**	0.214	236	250	**0.155**	**0.155**	3390	**0.00310**	**0.00310**	1460	1440	**0.0106**	**0.00500**	**0.0500**	**0.0500**	**0.477**	**0.367**	4.26	2.03
10/15/07	557	650	2.37	0.308	**0.000169**		0.0546	0.0702	**0.100**	0.297	142	180	**0.155**	**0.155**	4010	**0.00310**	**0.00310**	1430	1580	**0.00500**	**0.0112**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.66	1.29
11/11/07	581	706	0.629	0.231	**0.00250**		0.0542	0.0722	**0.100**	0.274	141	188	**0.155**	**0.155**	3800	**0.00310**	**0.00310**	1440	1570	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.360**	**0.348**	1.41	1.18
12/12/07	619		0.543	0.258	**0.000169**		0.0552	0.0908	**0.100**		153		**0.155**	**0.155**	4530	**0.00310**	**0.00310**	1520	1840	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.39
01/19/08	620	682	0.448	0.304	**0.000750**		0.0574	0.0666	**0.100**	0.240	149	176	**0.155**	**0.155**	4340	**0.00310**	**0.00310**	1460	1550	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.27
02/23/08	635	665	0.281	0.289	**0.000750**		0.0630	0.0690	**0.100**		174	186	**0.155**	**0.155**	4570	**0.00310**	**0.00310**	1500	1580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
03/16/08	537	641	0.207	0.234	**0.000750**		0.0598	0.0794	**0.100**	0.243	126		**0.155**	**0.155**	3650	**0.00310**	**0.00310**	1320		**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.155**	
03/28/08																												
04/22/08	673	701	4.95	0.555	**0.000750**		**0.00750**	**0.00750**	**0.100**		172	196	**0.155**	**0.155**	4710	**0.00310**	**0.00310**	1600	1710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
04/29/08																												
05/18/08	321	348	3.27	2.58	**0.00152**		**0.0169**	**0.0203**	**0.100**	**0.100**	154	169	**0.155**	**0.155**	1850	**0.00310**	**0.00310**	844	896	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.33	1.33
Mean	655	669	2.82	2.20	0.000818	NA	0.0893	0.0967	0.200	0.250	197	209	0.143	0.137	3760	0.00310	0.00300	1520	1560	0.00700	0.00680	0.0670	0.0610	0.351	0.312	1.77	1.67
Median	628	665	0.990	0.381	0.000475	NA	0.0614	0.0727	0.100	0.260	172	182	0.155	0.155	4010	0.00310	0.00310	1530	1580	0.00500	0.00500	0.0500	0.0500	0.275	0.202	1.27	1.39
St. Deviation	296	303	6.85	7.09	0.000773	NA	0.0948	0.0993	0.100	0.109	97	97	0.0520	0.0390	1100	0.000400	0.000400	370	380	0.00690	0.00710	0.0560	0.0450	0.253	0.237	2.22	1.08
# of values	42	39	42	35	41	0	42	38	42	22	42	38	42	42	42	42	42	42	41	42	42	42	42	42	42	42	42	31
Minimum	321	346	0.19	0.132	0.000147	NA	0.0075	0.0075	0.0149	0.031	115	136	0.0306	0.0143	890	0.00144	0.00144	844	851	0.00213	0.002125	0.0155	0.0155	0.11	0.1	0.155	0.235
Maximum	2370	2340	43.3	41.0	0.0025	NA	0.609	0.624	0.440	0.524	628	605	0.375	0.155	6170	0.00500	0.00310	3250	3150	0.0435	0.0461	0.282	0.155	1.1	0.979	12.9	4.72
% of values undetected	0%	0%	5%	3%	88%		31%	29%	52%	14%	0%	0%	93%	100%	0%	100%	100%	0%	0%	90%	90%	98%	100%	50%	57%	43%	29%
# of values between MDL and PQL	0	0	2	1	2		4	4	5	0	0	0	3	0	0	0	0	0	0	4	4	0	0	7	8	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	6.58	6.56	NA	NA	5	4.6	NA	0.0602294	0.051	NA	NA	NA	NA	NA	NA	NA	NA	15.06	14.85
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT135A																										
Sample Date																										
05/01/04	6.89	2.30	10.98		0.040	-46.0	9.20	16.5	48.0	32.5	8.86	**1.57**	17.0	0.298			**0.0155**	**0.0155**		0.843	**0.0155**	1.63	**0.00125**	**0.00125**	**0.0650**	
05/20/04	6.84	11.87	9.90		0.045	158.0		15.7	41.0	46.3	0.900	**1.57**	20.5				**0.0155**	**0.0155**		0.630	**0.0500**	1.59	**0.00125**	**0.00125**	**0.0650**	
06/17/04	7.01	8.85	10.55		0.059	265.0		20.1	55.0	18.8	1.80	**1.57**	26.0				**0.0155**	**0.0155**		0.650	0.124	2.30	**0.0039**	**0.00280**	**0.0650**	
07/15/04	7.45	15.69	9.44	96.2	0.071	287.0		25.2	70.0	60.0	**0.600**	**1.57**	30.5	**0.310**			**0.0155**	**0.0155**		0.617	**0.0500**	**0.0155**	**0.00125**	**0.00125**	**0.0650**	
08/25/04	7.50	14.41	13.65	135.3	0.076	236.0		26.2	70.0	57.5	0.500	**1.57**	31.5	**0.155**			**0.0155**	**0.0155**		0.723	**0.0340**	2.62	**0.00125**	**0.00125**	**0.170**	
09/16/04	7.16	6.20	11.79		0.074	213.0	1.00	21.7	70.0	43.8	0.800	**1.57**	31.5	**0.155**			**0.0567**	**0.0155**		0.820	**0.0500**	2.61	**0.00125**	**0.00125**	**0.260**	
10/15/04	7.05	4.63	10.95	86.7	0.059	134.0		23.2	65.0	60.0	1.74	**1.57**	25.5	2.91			**0.0155**	**0.0155**		1.04	**0.0155**	29.9	**0.0025**	**0.0025**	**0.230**	
01/28/05	6.36	0.100	11.6	79.4	0.070	-64.0	5.20	23.1	70.0	50.0	0.612	**0.785**	29.0	0.120			**0.0155**	0.0343		0.822	**0.0155**	2.42	**0.00125**	**0.00125**	**0.0295**	
03/19/05	7.45	1.16	12.31	87.8	0.073	78.0	5.90	28.4	65.0	31.2	1.50	**3.75**	24.0	0.100			**0.0155**	**0.00155**		0.845	**0.0155**	3.03	**0.00125**	**0.00125**	**0.210**	
05/03/05	6.99	1.99	13.16	95.1	0.042	123.5	2.76	16.9	39.0	21.2	4.40	**3.75**	16.2	0.240			**0.0155**	0.0625		0.737	**0.0155**	1.64	**0.00125**	**0.00125**	**0.380**	
06/05/05	6.99	7.81	11.32	95.1	0.051	61.0	1.32	20.4	47.5	37.5	4.02	**1.88**	23.0	0.120			**0.0370**	0.0395		0.557	**0.0155**	2.01	**0.00125**	**0.00125**	**0.350**	
07/10/05	7.03	13.62	9.50	91.4	0.065		1.39	27.3	65.0	36.3	1.10	**2.50**	30.0	0.366			**0.0500**	0.0400		0.493	**0.0155**	1.97	**0.0025**	**0.0025**	**0.370**	
08/17/05	6.80	12.15	7.21	67.1	0.070	120.8	1.00	31.0	70.0	46.3	0.800	**3.88**	33.0	**0.0155**			0.265	**0.0140**		0.601	**0.0155**	2.36	**0.00125**	**0.0030**	**0.560**	
09/17/05	6.04	7.30	9.28	77.0	0.049	176.1	0.880	16.9	55.0	43.8	1.49	**4.13**	23.5	0.188			**0.0155**	**0.0085**		0.862	**0.0155**	1.95	**0.00125**	**0.00125**	**0.350**	
10/31/05	7.06	0.030	11.13	76.4	0.046	183.4		25.3	65.0	37.5	0.959	**1.60**	28.5	0.275			**0.0155**	**0.0140**		0.844	**0.0400**	3.00	**0.00125**	**0.00125**	**0.440**	
02/10/06	6.43	0.010	8.45	57.8	0.062	-145.2	2.83	24.1	70.0	30.0	2.86	5.75	30.0	0.349			**0.0500**	**0.0078**		0.856	**0.0155**	2.78	**0.0025**	**0.0025**	**0.0640**	
03/15/06	6.80	0.030	10.99	75.4	0.064	48.5	1.93	34.1	70.0	37.5	1.88	6.50	32.0	0.171			**0.0500**	0.0120		1.10	**0.0155**	3.18	**0.00125**	**0.00125**	**0.155**	
05/20/06	6.21	1.37	8.53	60.6	0.043	-4.9	1.87	17.7	42.0	27.5	5.30	**3.00**	20.0	0.423	**0.0155**	0.411	**0.0500**	0.0350	**0.0155**	1.00	**0.0155**	1.53	**0.00125**	**0.00125**	**0.360**	
06/20/06	7.15	11.04	9.49	86.2	0.051	21.6	0.820	21.0	50.0	37.5	2.40	**2.50**	25.0	0.157	**0.0155**	0.126	**0.0155**	0.0170	**0.05**	0.600	**0.0390**	1.94	0.0410	0.0280	**0.155**	
07/24/06	6.80	9.45	7.08	61.9	0.062	109.2	0.890	26.1	60.0	50.0	0.800	**2.25**	**30.0**	**0.0960**	**0.0155**	**0.0960**	**0.0550**	0.0130	**0.05**	0.569	**0.0400**	2.32	**0.0030**	**0.0025**	**0.155**	
08/18/06	7.01	9.49	6.37	55.8	0.052	189.7	0.590	22.5	45.0	48.7	0.900	**1.57**	27.0	**0.0365**	**0.0155**	**0.0365**	**0.0155**	0.0130	**0.0155**	0.493	**0.0390**	1.69	**0.00075**	**0.00075**	**0.155**	
09/12/06	7.30	9.87	9.18	81.1	0.056	175.4	0.690	25.4	55.0	32.5	0.615	**1.57**	24.0	**0.0615**	**0.0155**	**0.0595**	**0.0155**	**0.00155**	**0.05**	0.689	**0.0780**	2.16	**0.00075**	**0.00075**	**0.155**	
11/04/06	6.64	0.040	9.75	66.8	0.058	218.3	0.670	23.4	50.0	31.3	**0.421**	**5.00**	27.0	**0.0575**	**0.0155**	**0.0470**	**0.0155**	0.0170	**0.0155**	0.772	**0.0155**	1.97	**0.00075**	**0.00075**	**0.155**	
12/12/06	6.09	0.030	8.70	59.6	0.057	83.2	0.720	26.8	55.0	40.0	2.02	**1.57**	32.0	**0.0500**	**0.0155**	**0.0500**	**0.0500**	**0.0090**	**0.0155**	0.877	**0.0155**	2.55	**0.00075**	**0.0025**	**0.155**	
02/19/07	7.11	0.060	8.32	57.0	0.010	182.3	0.890	26.7	55.0	36.3	5.00	**6.00**	30.0	**0.0520**	**0.0155**	**0.0520**	**0.0317**	0.0110	**0.05**	0.741	**0.0155**	2.50	**0.0020**	**0.0025**	**0.155**	
04/01/07	7.26	0.040	9.36	64.1	0.065	99.2																				
05/14/07	6.87	4.55	10.30	80.5	0.043	134.8	2.82	17.7	43.0	17.5	14.6	**1.57**	20.0	0.123			**0.0155**	0.0319		0.676	**0.0380**	1.61	**0.00075**	**0.00075**	**0.380**	
06/19/07	7.17	12.45	10.43	97.8	0.056	36.4	8.54	25.4	55.0	40.0	18.4	**1.57**	26.0	**0.0500**			**0.0155**	0.0304		0.592	**0.0700**	2.52	**0.00075**	**0.00075**	**0.155**	1.61
07/15/07	6.92	11.05	8.73	79.2	0.059	75.3	0.710	23.8	55.0	53.8	0.928	**1.57**	28.4	**0.0155**			**0.0155**	0.0126		0.515	**0.0480**	2.04	**0.00075**	**0.00075**	**0.155**	1.80
08/17/07	7.25	11.38	7.52	68.7	0.064	34.1	1.01	28.9	60.0	47.5	8.14	**7.00**	31.0	**0.0155**			**0.0788**	0.0249		0.425	**0.0155**	1.80	**0.00075**	**0.00075**	**0.155**	2.08
09/19/07	6.27	7.77	6.80	57.3	0.046	99.6	1.14	23.2	50.0	25.0	1.41	**4.25**	22.4	**0.0580**			**0.0155**	**0.00155**		0.774	**0.0155**	1.62	**0.00075**	**0.00075**	**0.155**	3.42
10/17/07	6.90	0.020	10.85	74.3	0.054	91.4	1.79	25.8	60.0	40.0	10.6	**1.57**	26.7	**0.0500**			**0.0155**	0.0348		0.621	**0.0310**	2.07	**0.00075**	**0.00075**	**0.155**	1.13
11/12/07	7.32	0.040	11.43	78.4	0.054	117.5	0.690	25.2	55.0	41.3	**0.588**	**1.57**	26.5	**0.0920**			**0.0155**	0.0139		0.702	**0.0310**	2.10	**0.00075**	**0.00075**	**0.155**	1.75
12/12/07	7.07	-0.060	8.74	59.7	0.058	134.7	0.470	24.5	62.2	15.0	**0.600**	**1.57**	23.2	0.249			**0.0155**	0.0259		0.648	**0.0155**	1.93	**0.00075**	**0.00075**	**0.155**	1.15
01/26/08	6.10	0.050	8.56	59.5	0.063	198.0	4.23	28.1	70.8	36.3	2.30	**8.70**	30.9	**0.0500**			**0.0500**	0.0200		0.739	**0.0310**	2.40	**0.00075**	**0.00075**	**0.155**	1.38
02/23/08	7.14	0.050	9.23	64.1	0.062	160.3	0.930	24.0	64.0	41.3	**0.870**	**5.66**	27.0	**0.0450**			**0.0155**	0.0146		1.27	**0.0155**	2.01	**0.00075**	**0.0025**	**0.155**	1.17
03/16/08	7.20	0.060	9.54	65.4	0.062	156.0	1.56	22.3	63.8	43.8	7.53	**5.58**	29.4	0.245			**0.0557**	0.0210		0.697	**0.0310**	2.26	**0.0031**	**0.00075**	**0.155**	1.45
03/28/08	6.44	-0.010	9.74	66.7	0.070	177.9																				
04/20/08	7.54	0.150	9.24	63.7	0.063	125.0	1.12	26.6	60.0	38.8	1.72	**4.96**	29.4	0.146			**0.050**	**0.0050**		0.707	**0.0310**	2.12	**0.00075**	**0.00075**	**0.155**	1.48
05/16/08	6.66	3.28	9.40	70.2	0.039	66.2	1.39	15.2	43.6	45.0	7.67	**3.50**	21.0	0.205			0.107	0.0308		0.542	**0.0155**	1.04	**0.0025**	**0.00075**	**0.155**	2.60
06/13/08	7.95	6.77	8.89	72.7	0.042	103.5																				
Mean	6.93	5.05	9.72	74.9	0.056	115.0	2.10	23.6	57.6	38.9	3.36	3.11	27.0	0.224	0.0155	0.110	0.0367	0.0191	0.0330	0.729	0.0307	2.82	0.0024	0.0021	0.198	1.75
Median	7.01	3.28	9.49	72.7	0.058	122.0	1.10	24.1	57.5	39.4	1.61	2.07	27.0	0.122	0.0155	0.0560	0.0155	0.0155	0.0330	0.705	0.0155	2.09	0.0013	0.0013	0.155	1.55
St. Deviation	0.430	5.22	1.63	16.1	0.012	88.0	2.20	4.30	9.70	11.0	4.15	1.98	4.00	0.473	0	0.125	0.0440	0.0126	0.0180	0.177	0.0226	4.55	0.0065	0.0044	0.118	0.680
# of values	41	41	41	37	41	40	32	38	38	38	38	38	38	36	8	8	38	38	8	38	38	38	38	38	38	12
Minimum	6.04	-0.06	6.37	55.8	0.010	-145.2	0.47	15.2	39.0	15	0.421	0.785	16.2	0.0155	0.0155	0.0365	0.0155	0.00155	0.0155	0.425	0.0155	0.0155	0.00075	0.00075	0.0295	1.13
Maximum	7.95	15.69	13.65	135.3	0.076	287	9.2	34.1	70.8	60	18.4	8.70	33.0	2.91	0.0155	0.411	0.265	0.0625	0.05000	1.27	0.124	29.9	0.041	0.0280	0.560	3.42
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	45%	0%	28%	100%	13%	79%	29%	100%	0%	61%	3%	87%	92%	66%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	5	19	1	8	0	5	6	5	0	0	14	0	4	2	13	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.91	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	20%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT135A																												
Sample Date																												
05/01/04	342	**12.5**	**0.0385**	**0.0385**	1.90	1.14	8.44	4.83	**0.0161**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4910	4880	0.445	**0.159**	0.179	0.235	0.538	0.398	599.0	220.0	0.227	**0.0500**
05/20/04	83.9	**12.5**	3.61	**0.100**	1.82	1.38	5.36	3.18	**0.01875**	**0.00750**	**1.875**	**0.750**	**1.55**	**1.55**	**0.0388**	**0.0155**	4650	4660	0.778	**0.100**	**0.0388**		**0.250**	0.342	293.0	194.0	**0.125**	**0.0500**
06/17/04	35.0	**12.5**	0.722	0.211	2.02	1.48	5.47	5.08	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**3.32**	**0.0155**	**0.0155**	6090	6020	0.299	**0.136**	**0.0500**		0.498	0.263	285.0	158.0	**0.0500**	**0.0500**
07/15/04	**12.5**	**12.5**	**0.100**	**0.100**	2.57	1.94	5.63	5.33	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0500**	**0.0500**	7630	6820	0.236	**0.100**	**0.0155**		**0.100**	**0.100**	337.0	190.0	**0.0500**	**0.0500**
08/25/04	**12.5**	32.1	**0.0385**	**0.100**	1.97	1.60	5.05	4.63	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7890	7920	**0.186**	**0.150**	**0.0155**		0.202	0.203	302.0	185.0	**0.0500**	**0.0500**
09/16/04	28.5	**12.5**	**0.0385**	**0.102**	1.29	0.973	5.04	4.81	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6410	6710	**0.173**	**0.131**	**0.0500**		0.303	0.201	275.0	174.0	**0.0500**	**0.0500**
10/15/04	34.7	**12.5**	**0.0385**	**0.170**	1.55	1.22	5.15	4.75	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7000	5880	**0.050**	**0.100**	**0.0500**		0.327	0.255	196.0	102.0	**0.0500**	**0.0500**
01/28/05	16.1	4.47	0.0578	0.0478	1.16	0.71	4.69	4.55	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0228**	**0.00775**	7160	7270	0.546	0.490	0.0898	0.0824	0.219	0.207	285.0	162.0	**0.0330**	**0.0155**
03/19/05	40.6	2.64	0.0545	0.0564	2.09	1.03	6.61	5.88	**0.00376**	**0.001495**	**0.00384**	**0.00384**	2.27	2.50	**0.00310**	**0.00310**	8770	6880	**0.100**		0.070	0.0764	0.167	0.177	264.0	65.3	**0.0350**	0.0776
05/03/05	121	23.9	0.0321	0.0296	1.94	1.18	5.55	5.05	**0.00809**	**0.001495**	**0.00384**	**0.00384**	5.88	2.84	**0.00310**	**0.0100**	5110	4550	0.252	**0.103**	0.103	0.0562	0.351	0.315	437.0	191.0	0.0752	
06/05/05	87	8.44	0.0478	0.0502	1.93	1.71	4.72	4.40	**0.00750**	**0.00750**	**0.00155**	**0.00360**	**1.55**	**1.55**	**0.00775**	**0.00775**	6090	5780	**0.100**		0.0742	0.0458	0.219	0.204	259.0	106.0	**0.0500**	
07/10/05	19	9.21	0.0234		3.05	2.26	5.85	5.65	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	8010	7710	0.347	0.397	0.0196	0.0218	0.279		399.0	168.0	**0.0500**	0.119
08/17/05	14.5	4.48	0.0542	0.0442	2.46	1.40	7.14	6.84	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	9150	8880	0.509	0.492	0.0450	0.0388	0.514	0.282	373.0	98.0	**0.0155**	
09/17/05	50.6	22.5	0.0636	0.0262	**0.125**	**0.125**	3.12	2.90	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5270	5250	**0.187**	**0.120**	0.0722	0.0592	1.51	1.33	207.0	81.9	**0.0500**	
10/31/05	14.9	5.87	20.1	0.114	1.34	1.12	7.67	6.00	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7640	8240	0.403		0.0682		0.193		201.0	78.5	6.89	0.327
02/10/06	62.8	4.18	0.0586	0.0532	1.25	1.14	5.58	5.45	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**2.25**	**0.0125**	**0.0125**	7440	7770	0.355	0.424	0.0970	0.0820	0.274	0.28	262.0	62.8	8.90	
03/15/06	53.2	3.07	0.0974	0.0584	1.01	**0.480**	6.79	4.82	**0.0120**	**0.0120**	**0.00750**	0.0580	**2.50**	**2.50**	0.0512	0.0502	10400	8470	2.49	0.681	0.134	0.0922	1.24	0.682	329.0	60.8	4.23	1.06
05/20/06	329	20.1	0.0516	**0.0250**	2.25	1.14	7.41	5.08	**0.0120**	**0.0120**	**0.0426**	**0.00750**	**0.75**	**0.75**	**0.0125**	**0.0125**	5080	5270	0.529	0.326	0.204	0.0902	0.863	0.375	799.0	250.0	0.360	0.311
06/20/06	29.9	9.59	0.110	0.107	2.28	1.62	5.24	4.71	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.75**	**0.75**	**0.0125**	**0.0125**	6430	6310	0.358	0.550	0.0800	0.0722	0.302	0.308	259.0	121.0	0.619	0.395
07/24/06	14.5	3.96	**0.0462**	0.0522	2.08	1.22	6.27	5.58	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	7940	8450	0.619	0.370	0.0760	0.0692	0.237	0.292	284.0	76.8	**0.0155**	
08/18/06	265	12.9	**0.164**	**0.0168**	15.1	1.30	56.3	5.45	**0.125**	**0.0125**	**0.0750**	**0.00750**	**12.5**	**1.25**	**0.185**	**0.0185**	69300	6670	5.73	0.585	0.312	0.0232	2.60	0.434	2450.0	146.0	**0.500**	0.204
09/12/06	18.1	7.06	**0.0282**	**0.0378**	1.99	1.37	5.35	4.29	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	7750	6910	**0.100**	**0.0500**	0.0480	0.0442	0.321	0.341	224.0	122.0	1.39	0.145
11/04/06	13.0	6.70	**0.0250**	**0.0250**	1.28	0.835	5.32	5.66	**0.0125**	**0.0125**	**0.00750**	**0.00750**	10.7	**1.25**	**0.0185**	**0.0185**	7160	7550	**0.050**	**0.0500**	0.0606	0.0614	0.173	0.259	196.0	89.6	0.255	**0.0500**
12/12/06	11.9	3.53	**0.0318**	**0.0390**	1.15	0.839	5.13	5.54	**0.0125**	**0.0125**	**0.0318**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	8230	7350	**0.050**	**0.0500**	0.0666	0.0654	0.168	0.236	197.0	76.0	**0.0500**	0.123
02/19/07	32.1	4.63	0.0610	0.0776	1.64	0.782	6.17	6.27	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**2.56**	**0.00750**	**0.0232**	8300	8660	0.256	0.389	0.0968	0.0808	0.442	0.423	268.0	96.8	12.5	0.126
04/01/07																												
05/14/07	102	17.0	**0.0444**	**0.0270**	1.96	1.39	6.74	5.16	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5290	5180	0.291	0.346	0.0936		0.377		374.0	198.0	**0.0500**	**0.0500**
06/19/07	477	39.3	0.0746	0.0766	2.93	1.88	11.3	6.89	**0.0288**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7560	6720	0.785	0.311	0.194	0.0612	0.767	0.283	683.0	232.0	0.226	**0.0500**
07/15/07	25.4	9.61	**0.0250**	0.0610	1.84	1.53	5.42	5.77	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7120	7650	0.216	0.359	0.0524	0.0448	0.232	0.257	252.0	170.0	**0.0500**	**0.0500**
08/17/07	130	5.67	**0.0442**	**0.0402**	3.15	1.39	8.01	5.35	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**2.70**	**1.25**	**0.00750**	**0.00750**	8810	7270	0.292	**0.168**	0.194	0.0340	0.329	0.262	653.0	133.0	**0.0500**	**0.0155**
09/19/07	47.5	18.2	**0.0348**	**0.0306**	1.77	1.24	6.21	5.50	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6990	6280	0.339	0.235	0.0604	0.0410	0.354	0.452	297.0	130.0	**0.0500**	**0.0500**
10/17/07	327	11.5	**0.0498**	0.0510	2.24	1.38	7.99	5.68	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7840	7800	0.701	0.380	0.154	0.0486	0.591	0.259	501.0	137.0	0.203	**0.0500**
11/12/07	18.5	7.95	**0.0434**	**0.0404**	1.20	1.01	5.11	4.92	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7620	7170	0.350	0.366	0.0392	0.0396	0.333		154.0	107.0	**0.0155**	**0.0500**
12/12/07	12	6.40	**0.0456**	0.0580	1.14	0.886	4.85	5.58	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7520	8190	**0.100**		0.0576	0.0420	0.152		145.0	86.8	**0.0155**	**0.0500**
01/26/08	56.9	7.66	0.0540	0.0578	1.68	1.17	6.38	6.74	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**2.60**	**0.00750**	**0.00750**	8580	9730	0.399	0.457	0.0878	0.0676	0.245		313.0	168.0	**0.0500**	**0.0500**
02/23/08	21.5	10.9	0.0750	0.0712	1.24	0.900	5.45	4.15	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	0.0510	0.0502	7330	6390	0.609	0.527	0.0598	0.0528	0.417		183.0	105.0	0.117	0.116
03/16/08	90.2	4.78	0.0570	0.0638	1.57	0.936	4.99	5.38	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	0.0828	0.0746	6870	7650	0.271	**0.130**	0.0996	0.0608	0.704	0.427	302.0	111.0	0.396	0.177
03/28/08																												
04/20/08	28.4	4.97	0.0595	**0.0388**	1.56	0.940	5.96	5.14	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	0.0817	0.0754	8080	7450	0.699	0.460	0.0780	0.0687	0.677		259.0	123.0	0.296	0.117
05/16/08	109	14.5	**0.0248**	**0.0370**	2.41	1.26	6.19	4.03	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0250**	**0.00750**	4570	4150	0.226	**0.100**	0.134	0.0668	0.376	0.389	512.0	213.0	0.118	**0.0155**
06/13/08																												
Mean	83.9	11.13	0.6928	0.0631	2.16	1.21	7.36	5.18	0.0143	0.0102	0.1761	0.1445	2.17	1.67	0.0236	0.0179	8790	6910	0.538	0.288	0.0900	0.0641	0.470	0.341	384.0	137.0	1.01	0.130
Median	34.9	9.40	0.05070	0.0522	1.87	1.20	5.61	5.25	0.0125	0.0123	0.007500	0.007500	1.40	1.40	0.0125	0.0125	7480	7040	0.319	0.319	0.0732	0.0610	0.328	0.283	285.0	127.0	0.0500	0.0500
St. Deviation	112.1	8.01	3.286	0.0405	2.24	0.400	8.27	0.850	0.0189	0.00310	0.3933	0.2917	2.47	0.800	0.0332	0.0178	10170	1310	0.955	0.181	0.0610	0.0372	0.460	0.217	375.0	52.0	2.68	0.193
# of values	38	38	38	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34	38	30	38	30	38	38	38	32
Minimum	11.9	2.64	0.0234	0.0168	0.125	0.125	3.12	2.90	0.0038	0.00150	0.00155	0.00155	0.75	0.75	0.0031	0.0031	4570	4150	0.05	0.05	0.0155	0.0218	0.1	0.1	145	60.8	0.0155	0.0155
Maximum	477	39.3	20.1	0.211	15.1	2.26	56.3	6.89	0.125	0.0125	1.875	0.750	12.5	5.00	0.185	0.0754	69300	9730	5.73	0.681	0.312	0.235	2.6	1.33	2450	250	12.5	1.06
% of values undetected	5%	16%	18%	16%	3%	3%	0%	0%	89%	100%	95%	95%	89%	84%	87%	87%	0%	0%	18%	21%	16%	0%	5%	3%	0%	0%	55%	59%
# of values between MDL and PQL	0	0	11	11	0	1	0	0	4	0	2	1	1	4	1	1	0	0	3	8	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.071	0.070	NA	NA	10.98	10.56276	NA	NA	1.988	1.909	1000	1000	0.318	0.335
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	5%	0%	0%	0%	0%	0%	0%	3%	0%	3%	0%	24%	6%
% of DWS exceedences	0%	0%	3%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT135A																													
Sample Date																													
05/01/04	1020	990	52.9	41.6	0.00260		**0.155**	**0.155**	0.341	0.210	369	343	**0.155**	**0.155**	3170	**0.00310**	**0.00310**	1810	1900	**0.0125**	**0.0125**	**0.155**	**0.155**	1.02	0.405	4.14	2.82		
05/20/04	991	949	22.1	23.5	0.00130		**0.388**	**0.155**	**0.250**	0.416	296	250	**0.3875**	**0.155**	2940	**0.00775**	**0.00310**	2060	1860	**0.03125**	**0.0125**	**1.25**	**0.155**	**0.500**	0.558	3.84	2.42		
06/17/04	1180	1180	33.6	33.4	**0.000500**		**0.155**	**0.155**	0.268	0.270	248	242	**0.155**	**0.155**	3090	**0.00310**	**0.00310**	2060	2090	**0.0125**	**0.0125**	2.30	**0.155**	0.415	**0.125**	**0.750**	1.76		
07/15/04	1490	1460	18.8	19.0	**0.000500**		**0.155**	**0.155**	0.270	0.356	264	249	**0.155**	**0.155**	3580	**0.00310**	**0.00310**	2480	2420	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.382**	**0.282**	**0.750**	**0.750**		
08/25/04	1570	1650	4.85	4.77	0.00110		**0.155**	**0.155**	**0.192**	**0.031**	308	336	**0.155**	**0.155**	3890	**0.00310**	**0.00310**	2600	2800	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.265**	**0.750**	**0.750**		
09/16/04	1380	1410	10.7	10.2	**0.000500**		**0.155**	**0.155**	0.537	0.566	297	304	**0.155**	**0.155**	3930	**0.00310**	**0.00310**	2300	2380	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.393**	**0.125**	**0.750**	**0.750**		
10/15/04	1400	1270	19.7	19.5	**0.000500**		**0.155**	**0.155**	**0.184**	0.284	329	282	**0.155**	**0.155**	4000	**0.00310**	**0.00310**	2440	2290	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.270**	**0.261**	**0.750**	2.37		
01/28/05	1270	1280	49.4	48.3	**0.000500**		0.185	0.192	0.312	0.281	307	305	**0.0775**	**0.0775**	4370	**0.00310**	**0.00310**	2250	2340	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	1.54	2.09		
03/19/05	1590	1300	44.3	39.4	**0.000147**		0.251		**0.045**		321	311	**0.0143**	**0.0143**	3850	**0.00144**	**0.00144**	2590	2050	0.0139	**0.00213**	**0.0302**	**0.0302**	0.422	0.150	1.16			
05/03/05	1000	985	32.6	17.5	**0.00248**		0.146	0.142	0.173		387	370	**0.0333**	**0.0143**	3420	**0.00144**	**0.00144**	1680	1550	**0.00213**	**0.00213**	**0.0302**	**0.0302**	0.614	0.312	**0.886**			
06/05/05	1260	1210	24.9	19.3	**0.000450**		0.196	0.219	0.333		266	260	**0.0775**	**0.0775**	3510	**0.00310**	**0.00310**	2220	2180	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.859	**0.100**	**0.750**			
07/10/05	1770	1630	11.3	7.87	**0.00121**		0.193	0.198	0.458		307	294	**0.0775**	**0.0775**	3630	**0.00310**	**0.00310**	2980	2770	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.432	**0.100**	13.8			
08/17/05	1980	1930	6.47	4.28	**0.000450**		0.273	0.254	0.433		404	383	**0.0775**	**0.0775**	4060	**0.00310**	**0.00310**	3180	3130	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.526	**0.232**	2.58	2.35		
09/17/05	904	899	12.5	7.91	**0.00250**		0.403	0.394	0.318		359	370	**0.0775**	**0.0775**	4520	**0.00310**	**0.00310**	2090	2080	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.218**	**0.100**	7.13	3.32		
10/31/05	1510	1600	36.6	44.5	**0.00118**		0.172		0.386		313	363	**0.0775**	**0.0775**	5090	**0.00310**	**0.00310**	2590	2810	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.243**	**0.100**	5.23			
02/10/06	1350	1310	39.5	37.9	**0.00250**		0.267	0.233	0.590		319	329	**0.155**	**0.155**	4460	**0.00310**	**0.00310**	2400	2360	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.250**	5.63	2.67		
03/15/06	1950	1540	53.0	36.7	**0.000475**		0.294	0.242	0.850	0.796	493	457	**0.155**	**0.155**	4470	**0.00310**	**0.00310**	3440	2760	**0.00250**		**0.0155**	**0.0155**	**0.250**	**0.250**	18.2	14.1		
05/20/06	1210	1190	44.8	25.7	**0.00250**		0.126	0.101	0.354		530	534	**0.155**	**0.155**	1330	**0.00310**	**0.00310**	1970	2190	**0.00250**	**0.00250**	**0.0155**	**0.0155**	1.21	0.524	2.25	2.49		
06/20/06	1190	1200	27.1	24.5	**0.00250**		0.255	0.189	**0.103**		280	277	**0.155**	**0.155**	1480	**0.00310**	**0.00310**	2240	2240	0.0220	**0.00250**	**0.0376**	**0.0155**	0.825	**0.250**	5.52	3.67		
07/24/06	1520	1440	26.7	25.1	**0.00125**		0.251	0.244	0.384		298	321	**0.155**	**0.155**	3300	**0.00310**	**0.00310**	2490	2520	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.22			
08/18/06	12600	1300	124.0	10.5	**0.00250**		1.99	0.197	2.92	0.537	2460	244	**1.55**	**0.155**	3690	0.202	**0.00960**	22200	2220	**0.0500**	**0.00500**	**0.500**	**0.0500**	**2.50**	**0.250**	19.8	2.74		
09/12/06	1480	1340	11.0	9.23	**0.000475**		0.213	0.165	0.272	0.456	305	271	**0.155**	**0.155**	3500	**0.00760**	**0.00310**	2610	2310	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	3.26	**0.500**		
11/04/06	1340	1490	22.1	22.1	**0.000475**		0.181	0.189	**0.100**	0.226	267	297	**0.155**	**0.155**	3460	**0.00310**	**0.00310**	2360	2550	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.979**	**0.804**	1.01			
12/12/06	1510	1430	29.1	25.9	**0.00104**		0.235	0.219	0.253	0.362	338	317	**0.155**	**0.155**	4240	**0.00310**	**0.00310**	2530	2340	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.81			
02/19/07	1450	1750	46.0	41.7	**0.000405**		0.254	0.274	0.309	0.290	347	404	**0.155**	**0.155**	4840	**0.00310**	**0.00310**	2490	2940	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	4.56	4.47		
04/01/07																													
05/14/07	1100	1060	27.6	30.6	**0.00135**		0.170	0.185	0.266		412	407	**0.155**	**0.155**	2920	**0.00310**	**0.00310**	1850	1820	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.939**	**0.553**	5.84	3.54		
06/19/07	1590	1480	38.6	26.5	**0.00207**		0.297	0.280	0.470	0.267	320	302	**0.155**	**0.155**	3600	**0.00310**	**0.00310**	2680	2520	**0.00500**	**0.00500**	**0.0500**	**0.0500**	3.06	1.46	1.39	**0.500**		
07/15/07	1460	1580	12.8	11.9	**0.000169**		0.252	0.267	0.278	0.369	202	238	**0.155**	**0.155**	3880	**0.00310**	**0.00310**	2550	2710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.382**	**0.331**	**0.500**	**0.500**		
08/17/07	1680	1410	72.8	2.98	**0.00250**		0.261	0.235	0.405	0.499	322	276	**0.155**	**0.155**	3480	**0.00310**	**0.00310**	2850	2410	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.668**	**0.155**	2.30	1.92		
09/19/07	1390	1270	12.0	6.77	**0.00250**		0.195	0.167	0.216	0.307	532	493	**0.155**	**0.155**	4300	**0.00310**	**0.00310**	2730	2520	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.349**	**0.155**	1.71	2.17		
10/17/07	1520	1490	18.3	14.0	**0.00250**		0.241	0.232	0.353	0.324	328	325	**0.155**	**0.155**	4680	**0.00310**	**0.00310**	2610	2600	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.829**	**0.155**	1.88	1.08		
11/12/07	1490	1480	13.1	13.8	**0.00250**		0.208	0.208	**0.100**	0.303	302	292	**0.155**	**0.155**	4710	**0.00310**	**0.00310**	2620	2610	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**			
12/12/07	1380	1490	16.4	15.6	**0.000496**		0.216	0.225	**0.100**		292		**0.155**	**0.155**	5090	**0.00310**	**0.00310**	2430	2670	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.50		
01/26/08	1630	1830	35.4	33.3	**0.000750**		0.248	0.279	0.230		362	405	**0.155**	**0.155**	6260	**0.00310**	**0.00310**	3350	3090	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.09	1.52		
02/23/08	1380	1240	27.8	22.7	**0.00185**		0.211	0.191	0.244	0.391	353	331	**0.155**	**0.155**	3780	**0.00310**	**0.00310**	2560	2480	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.99	3.14		
03/16/08	1250	1360	37.7	30.1	**0.000750**		0.220	0.238	0.331	0.462	289	348	**0.155**	**0.155**	4070	**0.00310**	**0.00310**	2200	2330	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.352**	**0.155**	3.70	2.66		
03/28/08																													
04/20/08	1570	1430	38.6	34.6	**0.000750**		0.158	0.129	0.356		394	377	**0.155**	**0.155**	4420	**0.00310**	**0.00310**	2800	2560	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	4.96	4.47		
05/16/08	933	845	51.3	36.3	**0.00462**		0.118	0.130	**0.100**	0.260	374	349	**0.155**	**0.155**	2630	**0.00310**	**0.00310**	1610	1490	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.03	**0.333**	2.10	1.73		
06/13/08																													
Mean	1690	1360	31.7	23.1	0.00140	NA	0.263	0.203	0.371	0.359	392	331	0.179	0.135	3830	0.00850	0.00320	2970	2390	0.00800	0.00580	0.160	0.0600	0.571	0.277	3.65	2.58		
Median	1430	1390	27.7	23.1	0.00110	NA	0.212	0.195	0.294	0.324	321	321	0.155	0.155	3870	0.00310	0.00310	2490	2400	0.00500	0.00500	0.0500	0.0500	0.382	0.241	1.99	2.35		
St. Deviation	1830	250	21.9	12.6	0.00100	NA	0.295	0.0570	0.452	0.152	352	69	0.235	0.0410	910	0.0323	0.00110	3230	370	0.00900	0.00350	0.410	0.0500	0.614	0.249	4.49	2.48		
# of values	38	38	38	38	38	0	38	36	38	23	38	37	38	38	38	38	38	38	38	38	37	38	38	38	38	38	29		
Minimum	904	845	4.85	2.98	0.000147	NA	0.118	0.101	0.045	0.031	202	238	0.0143	0.0143	1330	0.001435	0.001435	1610	1490	0.0021	0.0021	0.0155	0.0155	0.1	0.1	0.5	0.5		
Maximum	12600	1930	124	48.3	0.00462	NA	1.99	0.394	2.92	0.796	2460	534	1.55	0.155	6260	0.202	0.0096	22200	3130	0.05	0.0125	2.30	0.155	3.06	1.46	19.8	14.1		
% of values undetected	0%	0%	0%	0%	63%		18%	19%	16%	4%	0%	0%	97%	100%	0%	95%	97%	0%	0%	95%	100%	95%	100%	39%	63%	24%	21%		
# of values between MDL and PQL	0	0	0	0	11		0	0	3	0	0	0	1	0	0	1	1	0	0	0	0	1	0	12	8	1	0		
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	11.29	11.26	NA	NA	5	4.6	NA	0.1807257	0.154	NA	NA	NA	NA	NA	NA	NA	NA	25.87	25.51		
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA		
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
% of DWS exceedences	0%	0%	13%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT135B																										
Sample Date																										
05/01/04	7.32	1.65	11.82		0.043		18.5	17.7	48.0	55.0	9.33	**1.57**	20.0	0.432			**0.0155**	**0.0155**		0.902	**0.0500**	1.92	**0.00125**	**0.00125**	**0.0650**	
05/22/04	7.41	5.02	10.07		0.045	160.0	2.90	14.7	38.0	43.8	1.23	**1.57**	18.0				**0.0155**	**0.0155**		0.568	**0.0500**	1.80	**0.00125**	**0.00125**	**0.0650**	
Mean	7.37	3.34	10.95	NA	0.044	160.0	10.7	16.2	43.0	49.0	5.28	1.57	19.0	0.432	NA	NA	0.0155	0.0155	NA	0.735	0.0500	1.90	0.00125	0.00125	0.0650	NA
Median	7.37	3.34	10.95	NA	0.044	160.0	10.7	16.2	43.0	49.0	5.28	1.57	19.0	0.432	NA	NA	0.0155	0.0155	NA	0.735	0.0500	1.90	0.00125	0.00125	0.0650	NA
St. Deviation	0.060	2.38	1.24	NA	0.001	NA	11.0	2.10	7	8.00	5.73	0	1.00	NA	NA	NA	0	0	NA	0.236	0	0.100	0	0	0	NA
# of values	2	2	2	0	2	1	2	2	2	2	2	2	2	1	0	0	2	2	0	2	2	2	2	2	2	0
Minimum	7.32	1.65	10.07	NA	0.043	160	2.9	14.7	38	43.8	1.23	1.57	18	0.432	NA	NA	0.0155	0.0155	NA	0.568	0.05	1.80	0.00125	0.00125	0.065	NA
Maximum	7.41	5.02	11.82	NA	0.045	160	18.5	17.7	48	55	9.33	1.57	20	0.432	NA	NA	0.0155	0.0155	NA	0.902	0.05	1.92	0.00125	0.00125	0.065	NA
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	100%	0%	0%			100%	100%		0%	100%	0%	100%	100%	100%	
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	0	0			0	0		0	0	0	0	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	5.00	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	NA	NA	0%	0%	NA	0%	0%	0%	0%	0%	0%	NA
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	0%	NA	0%	0%	0%	0%	0%	0%	NA

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT135B																												
Sample Date																												
05/01/04	295	37.2	**0.0385**		2.09	1.56	7.07	4.53	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5270	5570	0.376	0.407	0.117		0.739	0.726	340.0	83.4	0.214	**0.100**
05/22/04	56.6	29.9	3.46	**0.0385**	1.61	1.34	4.23	3.86	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4390	4650	0.461	**0.100**	**0.0358**		0.250	0.236	126.0	41.8	**0.0500**	**0.0500**
Mean	176	33.6	1.749	NA	1.85	1.45	5.65	4.20	0.00750	0.00750	0.750	0.750	1.55	1.55	0.0155	0.0155	4830	5110	0.419	0.250	0.0760	NA	0.490	0.481	233.0	62.6	0.130	0.0800
Median	176	33.6	1.749	NA	1.85	1.45	5.65	4.20	0.00750	0.00750	0.750	0.750	1.55	1.55	0.0155	0.0155	4830	5110	0.419	0.250	0.0760	NA	0.490	0.481	233.0	62.6	0.130	0.0800
St. Deviation	169	5.2	2.419	NA	0.340	0.160	2.01	0.470	0	0	0	0	0	0	0	0	620	650	0.06	0.220	0.0570	NA	0.350	0.346	151.0	29.4	0.120	0.0400
# of values	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2
Minimum	56.6	29.9	0.0385	0.0385	1.61	1.34	4.23	3.86	0.00750	0.00750	0.75	0.75	1.55	1.55	0.0155	0.0155	4390	4650	0.376	0.100	0.0358	NA	0.250	0.236	126	41.8	0.0500	0.0500
Maximum	295	37.2	3.46	0.0385	2.09	1.56	7.07	4.53	0.00750	0.00750	0.75	0.75	1.55	1.55	0.0155	0.0155	5270	5570	0.461	0.407	0.117	NA	0.739	0.726	340	83.4	0.214	0.100
% of values undetected	0%	0%	50%	100%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	50%	0%		0%	0%	0%	0%	50%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.066	0.065	NA	NA	10.98	10.56276	NA	NA	1.828	1.755	1000	1000	0.281	0.300
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT135B																												
Sample Date																												
05/01/04	1100	1110	21.3	7.04	0.00260		**0.155**	**0.155**	0.499	0.506	394	391	**0.155**	**0.155**	3080	**0.00310**	**0.00310**	1800	1940	**0.0125**	**0.0125**	**0.155**	**0.702**	0.667	**0.258**	4.03	5.01
05/22/04	895	936	6.34	5.15	0.00160		**0.155**	**0.155**	**0.100**	0.325	247	262	**0.155**	**0.155**	3100	**0.00310**	**0.00310**	1550	1640	**0.0125**	**0.0125**	**0.500**	**0.155**	**0.125**	0.511	**0.750**	**0.750**
Mean	1000	1023	13.8	6.10	0.00210	NA	0.155	0.155	0.300	0.416	321	327	0.155	0.155	3090	0.00310	0.00310	1680	1790	0.0125	0.0125	0.330	0.429	0.396	0.385	2.39	2.88
Median	1000	1023	13.8	6.10	0.00210	NA	0.155	0.155	0.300	0.416	321	327	0.155	0.155	3090	0.00310	0.00310	1680	1790	0.0125	0.0125	0.330	0.429	0.396	0.385	2.39	2.88
St. Deviation	140	123	10.6	1.34	0.000700	NA	0	0	0.280	0.128	104	91	0	0	10	0	0	180	210	0	0	0.240	0.387	0.383	0.179	2.32	3.01
# of values	2	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	895	936	6.34	5.15	0.00160	NA	0.155	0.155	0.100	0.325	247	262	0.155	0.155	3080	0.00310	0.00310	1550	1640	0.0125	0.0125	0.155	0.155	0.125	0.258	0.75	0.75
Maximum	1100	1110	21.3	7.04	0.00260	NA	0.155	0.155	0.499	0.506	394	391	0.155	0.155	3100	0.00310	0.00310	1800	1940	0.0125	0.0125	0.5	0.702	0.667	0.511	4.03	5.01
% of values undetected	0%	0%	0%	0%	0%		100%	100%	50%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	50%	50%	0%	50%	50%
# of values between MDL and PQL	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	10.39	10.36	NA	NA	5	4.6	NA	0.1526755	0.130	NA	NA	NA	NA	NA	NA	NA	NA	23.81	23.47
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT138A																										
Sample Date																										
05/01/04	6.90	0.950	11.36		0.047	10.0	11.1	21.1	120.0	46.3	7.40	**1.57**	24.0	0.494			**0.0155**	**0.0370**		0.710	**0.0500**	1.11	**0.00125**	**0.00125**	**0.0650**	
05/21/04	7.30	6.97	11.19		0.061	123.0	4.80	20.3	55.0	43.8	1.30	**1.57**	27.5	**0.0460**			**0.0155**	**0.0155**		0.603	**0.0500**	0.902	**0.00125**	**0.00125**	**0.0650**	
06/17/04	7.40	7.79	11.21		0.068	233.0	6.60	21.7	65.0	38.8	4.80	**1.57**	33.0				**0.0500**	**0.0155**		0.491	0.104	0.759	0.0066	0.00680	**0.0650**	
07/15/04	7.63	10.15	10.07	90.6	0.099	282.0	6.80	35.3	97.0	63.8	2.20	**1.57**	45.5	**0.310**			**0.0155**	**0.0155**		0.582	**0.0500**	1.14	**0.00125**	**0.00125**	**0.0650**	
08/18/04													42.5													
08/25/04	7.99	10.69	13.71	125.0	0.109	170.0	0.80	35.8	100.0	72.5	0.500	**1.57**	49.0	**0.500**			**0.0155**	**0.0155**		0.699	**0.0560**	1.41	**0.00125**	**0.00125**	**0.190**	
09/17/04	7.67	3.94	11.98	91.9	0.113	227.0	0.10	34.4	110.0	62.5	**0.400**	**1.57**	56.0				**0.0155**	**0.0155**		0.742	**0.0590**	1.96	**0.00125**	**0.00125**	**0.230**	
10/17/04	7.04	2.50	12.87		0.079			25.1	80.0	38.8	0.600	**1.57**	35.0	2.78			**0.0155**	**0.0155**		1.06	**0.0155**	3.20	0.0050	**0.0027**	**0.150**	
01/27/05	7.94	0.400	12.88		0.104	-48.0	6.90	37.0	100.0	68.8	**0.400**	**0.785**	50.0	0.300			**0.0500**	0.0479		0.684	**0.0400**	1.88	**0.00125**	**0.00125**	**0.240**	
03/19/05	7.26	0.590	13.55	95.1	0.109	92.0	4.60	38.4	95.0	51.3	0.500	**4.50**	49.0	0.380			**0.0155**	0.0357		0.782	**0.0370**	1.66	**0.00125**	**0.00125**	**0.230**	
05/02/05	6.20	2.54	13.18	96.7	0.048	170.1	3.41	17.2	44.0	25.0	4.70	**2.80**	22.0	0.640			**0.0310**	0.0810		0.689	**0.0155**	0.811	**0.00125**	**0.00125**	**0.680**	
06/02/05	8.13	10.55	10.58	95.7	0.070	-2.0	4.00	26.0	70.0	50.0	1.30	**0.785**	32.5	**0.0700**			**0.0500**	0.0350		0.529	**0.0155**	1.08	**0.00125**	**0.00125**	**0.200**	
07/09/05	7.22	10.43	8.76	78.5	0.089	-106.8	3.18	36.2	90.0	61.3	6.97	**2.00**	43.5	0.289			**0.0155**	0.0725		0.397	**0.0155**	0.707	**0.00125**	**0.00125**	**0.310**	
08/17/05	7.63	9.27	10.99	95.6	0.104	-3.3	2.00	43.7	100.0	71.3	2.70	**2.25**	51.5	0.145			1.03	**0.0160**		0.750	**0.0320**	1.35	**0.00125**	**0.0040**	**0.360**	
09/13/05	6.81	7.55	11.44	95.5	0.068	83.4	1.05	31.5	75.0	47.5	1.30	**1.88**	34.0	0.135			**0.0420**	**0.0140**		0.828	**0.0155**	0.821	**0.00125**	**0.00125**	**0.500**	
10/28/05	7.00	1.26	12.91	91.5	0.085	55.6	0.880	34.4	85.0	48.8	1.38	**0.785**	44.0	0.225			**0.0500**	**0.0085**		0.781	**0.0340**	1.32	**0.00125**	**0.00125**	**0.210**	
02/10/06	7.06	0.800	13.27	92.8	0.097	10.2	0.820	41.9	110.0	51.3	**0.732**	**3.25**	50.0	0.274			**0.0500**	**0.0064**		0.676	**0.0155**	1.66	**0.00125**	**0.00125**	**0.0295**	
03/15/06	7.28	0.690	13.34	93.2	0.101	33.1	0.770	43.3	90.0	16.3	**0.313**	**3.25**	54.0	0.344			**0.0155**	**0.0068**		0.672	**0.0155**	1.78	**0.00125**	**0.00125**	**0.155**	
05/19/06	6.26	2.02	8.78	63.4	0.051	159.2	1.11	21.8	55.0	43.8	4.55	**3.00**	28.0	0.598	**0.0155**	0.596	**0.0610**	0.0296	**0.0155**	0.868	**0.0155**	0.786	**0.00125**	**0.00125**	**0.155**	
06/17/06	6.63	8.62	7.49	64.1	0.051	76.6	0.750	21.9	50.0	40.0	3.10	**2.00**	26.0	0.129	**0.0155**	0.105	**0.0155**	0.0140	**0.05**	0.483	**0.0330**	0.711	**0.00125**	**0.00125**	**0.330**	
07/24/06	7.10	7.47	8.67	72.2	0.077	55.4	1.86	35.1	80.0	50.0	10.0	**2.50**	43.0	**0.0815**	**0.0155**	**0.0815**	**0.0330**	0.0270	**0.0155**	0.461	**0.0490**	0.870	**0.00105**	**0.00075**	**0.155**	
08/15/06	7.34	7.94	7.51	63.4	0.052	152.3	0.800	22.8	50.0	56.3	9.08	**1.57**	27.0	**0.0830**	**0.0155**	**0.0735**	0.100	0.0320	**0.05**	0.322	**0.0350**	0.684	**0.00075**	**0.00075**	**0.155**	
09/12/06	7.28	8.33	9.66	82.3	0.067	32.7	0.710	35.4	80.0	60.0	1.50	**1.57**	42.0	0.106	**0.0155**	0.102	**0.0155**	0.0130	**0.05**	0.642	**0.0390**	1.14	**0.00075**	**0.00075**	**0.155**	
11/02/06	7.10	0.030	11.45	78.4	0.056	63.7	0.450	33.9	70.0	52.5	**0.400**	**1.57**	41.0	**0.0155**	**0.0155**	**0.0155**	**0.0500**	0.0190	**0.05**	0.693	**0.0155**	1.22	**0.00075**	**0.00075**	**0.155**	
12/12/06	7.11	0.550	10.35	72.0	0.086		0.480	37.1	85.0	73.7	**0.158**	**1.57**	50.0	0.215	**0.0155**	0.204	**0.0500**	0.0220	**0.0155**	0.609	**0.0155**	1.33	**0.00075**	**0.0020**	**0.155**	
01/14/07	5.15	0.650	9.41	65.5	0.093	137.2	0.640	38.3	90.0	51.3	**0.158**	**1.57**	43.0	0.282	**0.0155**	0.276	**0.0500**	**0.0050**	**0.0155**	0.605	**0.0310**	1.40	**0.00075**	**0.00075**	**0.155**	
02/20/07	6.10	-0.360	6.54	46.9	0.057	257.1	0.730	43.3	80.0	51.3	**0.860**	**1.57**	56.0	0.320	**0.0155**	0.307	**0.0155**	**0.00155**	**0.05**	0.678	**0.0330**	1.52	**0.00075**	**0.00075**	**0.155**	
04/22/07	6.31	0.470	8.27	57.3	0.048	143.1	1.54	20.4	45.0	60.0	2.53	**1.57**	**14.0**	0.265	**0.0155**	0.249	**0.0155**	0.0180	**0.0155**	0.718	**0.0360**	0.731	**0.00075**	**0.00075**	**0.500**	
05/15/07	7.10	1.85	11.75	84.7	0.054	107.4	0.750	21.0	50.0	26.3	2.10	**1.57**	28.0	0.194			**0.0155**	0.0173		0.682	**0.0390**	0.869	**0.00075**	**0.00075**	**0.155**	
06/19/07	7.40	11.95	10.24	94.8	0.066	69.0	1.19	28.9	70.0	48.8	2.30	**1.57**	39.0	**0.050**			**0.0155**	**0.0050**		0.533	**0.0690**	1.15	**0.00075**	**0.00075**	**0.155**	1.76
07/16/07	7.32	7.32	8.87	73.7	0.083	82.4	0.630	34.6	80.0	43.8	1.90	**1.57**	43.2	0.191			**0.0155**	0.0129		0.488	**0.0500**	0.973	**0.00075**	**0.00075**	**0.155**	1.81
08/17/07	7.80	9.16	9.10	78.8	0.088	17.3	1.09	37.7	90.0	62.5	2.20	**3.75**	46.1	0.142			**0.0765**	0.0140		0.378	**0.0155**	0.825	**0.00075**	**0.00075**	**0.155**	1.96
09/19/07	6.50	7.24	9.06	75.2	0.056	92.0	2.65	24.5	60.0	40.0	9.50	**3.75**	26.7	**0.0865**			**0.0155**	0.0109		0.922	**0.0155**	0.734	**0.00075**	**0.00075**	**0.500**	6.13
10/16/07	7.38	0.840	13.47	94.4	0.075	20.7	0.370	34.5	70.0	47.5	0.753	**1.57**	38.8	0.188			**0.0155**	0.0134		0.612	**0.0155**	1.13	**0.00075**	**0.00075**	**0.155**	1.30
11/10/07	6.81	1.02	11.02	77.6	0.073	59.2	0.550	30.2	70.0	26.3	1.00	**1.57**	36.6	0.241			**0.0155**	0.0167		0.675	**0.0340**	1.05	**0.00075**	**0.00075**	**0.155**	2.61
12/10/07	7.24	1.18	11.62	82.0	0.074	105.4	0.740	33.8	76.2	21.3	**0.408**	**1.57**	38.7	0.276			**0.0155**	0.0146		0.576	**0.0320**	1.06	**0.00075**	**0.00075**	**0.155**	1.80
01/19/08	7.26	1.03	9.82	69.1	0.097	25.4	0.750	40.8	100.0	62.5	**0.1515**	**1.57**	49.0	0.314			**0.0316**	**0.0050**		0.565	**0.0420**	1.32	**0.0020**	**0.00075**	**0.155**	1.12
02/25/08	7.32	0.690	9.03	63.4	0.096	112.3	0.800	40.1	102.0	50.0	**0.808**	**6.68**	50.8	0.215			**0.0155**	0.0136		0.586	**0.0350**	1.27	**0.0025**	**0.00075**	**0.155**	1.16
03/13/08	7.45	0.990	9.78	68.8	0.097	101.5	1.65	35.2	100.0	55.0	**0.1615**	**7.36**	52.0	0.270			**0.0500**	**0.0059**		0.561	**0.0340**	1.29	**0.0025**	**0.0025**	**0.155**	0.756
04/22/08	7.10	1.1	11.13	78.5	0.104	93.1	1.40	43.8	109.0	60.0	0.652	**4.12**	53.3	0.335			**0.0155**	**0.0096**		0.593	**0.0440**	1.33	**0.00075**	**0.00075**	**0.155**	1.14
05/18/08	6.84	0.580	9.99	69.5	0.044	161.0	1.85	17.8	49.5	22.5	2.74	**1.57**	22.3	0.372			0.136	0.0183		0.341	**0.0460**	0.634	**0.0025**	**0.0025**	**0.155**	3.48
Mean	7.11	4.19	10.66	80.5	0.077	90.9	2.10	31.9	79.9	49.1	2.40	2.25	40.0	0.313	0.0155	0.201	0.0583	0.0200	0.0330	0.632	0.0350	1.19	0.0014	0.0014	0.204	2.09
Median	7.23	1.94	10.79	78.5	0.076	87.7	1.05	34.5	80.0	50.0	1.30	1.57	42.5	0.253	0.0155	0.155	0.0155	0.0160	0.0330	0.627	0.0340	1.14	0.0013	0.0013	0.155	1.78
St. Deviation	0.570	4.02	1.880	15.2	0.021	82.4	2.40	8.00	20.4	14.4	2.70	1.42	11.0	0.436	0	0.170	0.160	0.0170	0.0180	0.152	0.0180	0.480	0.0011	0.0011	0.134	1.47
# of values	40	40	40	35	40	38	39	40	40	40	40	40	41	38	10	10	40	40	10	40	40	40	40	40	40	12
Minimum	5.15	-0.36	6.54	46.9	0.044	-106.8	0.1	17.2	44.0	16.3	0.1515	0.785	14.0	0.0155	0.0155	0.0155	0.0155	0.00155	0.0155	0.322	0.0155	0.634	0.00075	0.00075	0.0295	0.756
Maximum	8.13	11.95	13.71	125	0.113	282	11.1	43.8	120.0	73.7	10.0	7.36	56.0	2.78	0.0155	0.596	1.03	0.0810	0.0500	1.06	0.1040	3.20	0.0066	0.0068	0.680	6.13
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	63%	0%	8%	100%	10%	78%	23%	100%	0%	40%	0%	93%	90%	68%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	8	15	1	6	0	2	6	9	0	0	23	0	1	3	13	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.87	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	13%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
% of DWS exceedences	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT138A																												
Sample Date																												
05/01/04	172	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	8.12	4.73	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0155**	5720	4830	0.581	0.252	0.238	0.276	0.630	0.468	886.0	386.0	**0.0500**	**0.0500**
05/21/04	37.2	**12.5**	**0.0385**	**0.100**	**0.125**	**0.125**	4.50	4.47	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5600	5600	**0.100**	**0.100**	**0.0472**		0.240	0.260	129.0	68.7	**0.0500**	**0.0500**
06/17/04	74.3	**12.5**	**0.0385**	0.212	**0.125**	**0.125**	5.69	4.64	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6020	5880	0.220	0.238	0.134		0.362	0.274	519.0	120.0	**0.0500**	**0.0500**
07/15/04	42.7	**12.5**	**0.0385**	**0.0385**	**0.348**	**0.125**	6.76	5.50	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0500**	**0.0500**	9530	8260	**0.100**	0.284	**0.0500**		0.224	0.204	237.0	77.1	**0.0500**	**0.0500**
08/18/04																												
08/25/04	**12.5**	**12.5**	**0.0385**	**0.100**	**0.125**	**0.352**	5.76		**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9950		0.201	0.272	**0.0500**		**0.100**	0.295	217.0		**0.0500**	**0.0500**
09/17/04	**12.5**	**12.5**	**0.0385**	**0.0835**	**0.125**	**0.125**	6.08	6.81	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	9180		0.217	0.290	**0.0500**		**0.100**	0.295	270.0	141.0	**0.0500**	**0.0500**
10/17/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.85	4.79	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6730	7850	**0.100**	**0.050**	**0.0500**		0.229	0.242	175.0	132.0	**0.0500**	**0.0500**
01/27/05	13.1	6.02	0.0118	0.0192	**0.125**	**0.125**	6.93	5.84	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.0270**	**0.00775**	9840	10200	0.588	0.589	0.0636	0.0546	0.254	0.209	201.0	92.2	**0.0155**	**0.0155**
03/19/05	4.86		**0.0100**	**0.0148**	0.160	0.172	6.52	6.96	**0.00150**	**0.00150**	**0.00384**	**0.00384**	2.52	2.23	**0.00310**	**0.00310**	10500	12300	**0.112**	**0.134**	0.0796	0.0834	0.210	0.119	147.0		**0.0110**	**0.0350**
05/02/05	134	28.5	**0.0103**	0.0263	0.223	0.194	6.97	5.26	**0.00624**	**0.00150**	**0.00384**	**0.00384**	2.60	2.66	**0.00310**	**0.0100**	4610	4800	**0.0914**	**0.0764**	0.147	0.0875	0.401	0.311	604.0	338.0	**0.0350**	**0.0350**
06/02/05	36.1	10.0	0.0176	0.0196	**0.125**	**0.125**	4.72	4.33	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7200	7130	**0.100**	**0.100**	0.0612	0.0388	0.294	0.228	153.0	58.2	**0.0155**	
07/09/05	102	10.8	**0.00155**	**0.00155**	**0.125**	**0.125**	7.58	6.02	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	9640	9340	0.438	0.507	0.203	0.0824	0.289	0.244	786.0	181.0	**0.0155**	**0.0500**
08/17/05	45.6	5.20	0.0120	**0.0092**	**0.125**	**0.125**	7.63	6.73	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	11600	11200	0.579	0.605	0.124	0.0814	0.261	0.306	359.0	99.1	**0.0155**	
09/13/05	58	27.5	0.0220	0.0170	0.509	**0.270**	6.55	5.54	**0.00750**	**0.00750**	**0.00155**		**1.55**	**1.55**	**0.00775**	**0.00775**	8550	7440	0.502	0.428	0.118	0.0870	0.391	0.315	327.0	160.0	**0.0155**	**0.0500**
10/28/05	21.3	9.24	25.9	0.0182	**0.417**	**0.338**	8.85	5.92	**0.00750**	**0.00750**	0.0114	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	9620	10100	0.463		0.0898	0.0926	0.281		230.0	102.0	9.53	0.266
02/10/06	14.2	3.71	0.297	**0.0196**	**0.155**	**0.155**	6.81	5.75	0.341	**0.0120**	0.298	**0.00750**	**4.75**	**2.23**	0.307	**0.0125**	11400	10800	0.441	0.368	0.376	0.0610	0.789	0.298	158.0	44.5	0.550	0.409
03/15/06	6.96	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	6.72	5.88	**0.0120**	**0.0120**	0.0512	**0.0250**	**2.50**	**2.50**	**0.0125**	**0.0125**	11800	11300	0.305	0.422	0.0782	0.0676	0.142	0.229	147.0	39.1	**0.0130**	
05/19/06	97.4	13.2	**0.0250**	**0.0250**	**0.155**	**0.155**	5.95	4.73	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	**0.0125**	**0.0125**	5740	5410	0.703	0.651	0.123	0.0690	0.438	0.323	598.0	300.0	0.385	0.274
06/17/06	93.5	18.2	**0.0075**	**0.0162**	**0.155**	**0.155**	5.56	4.54	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	**0.0125**	**0.0125**	6150	6050	0.372		0.138	0.0864	0.433	0.340	372.0	144.0	0.410	0.256
07/24/06	42.5	6.50	**0.0198**	**0.0224**	**0.431**	**0.155**	8.04	6.27	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	9750	9140	0.561	0.375	0.213	0.104	0.334	0.244	1050.0	102.0	**0.0500**	
08/15/06	195	34.7	**0.0186**	**0.0268**	**0.155**	**0.155**	6.99	5.42	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	5990	5820	**0.100**		0.187	0.0560	0.460		554.0	185.0	0.116	
09/12/06	32.8	10.6	**0.0075**	**0.0226**	**0.155**	**0.155**	6.77	5.96	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	9650	9100	0.403	0.404	0.0966	0.0758	0.257	0.346	284.0	138.0	**0.0155**	
11/02/06	16.2	6.90	**0.0075**	**0.00750**	**0.155**	**0.155**	6.45	5.67	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	9180	9590	0.646	0.385	0.0680	0.0564	0.209	0.265	148.0	62.2	**0.0155**	
12/12/06	8.21	3.45	**0.0075**	**0.00750**	**0.155**	**0.155**	6.08	6.56	**0.0125**	**0.0125**	**0.0250**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10100	9790	**0.050**	**0.050**	0.0608	0.0564	0.181		172.0	54.3	**0.0500**	**0.0500**
01/14/07	10.1	2.66	**0.0250**	0.0510	**0.155**	**0.155**	6.37	7.13	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10900	11400	0.397	**0.102**	0.0620	0.0638	0.304	0.286	137.0	20.6	4.88	**0.0155**
02/20/07	7.13	2.64	**0.0250**	**0.0250**	**0.155**	**0.155**	6.88	8.16	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**2.71**	**0.00750**	**0.00750**	12200	13600	**0.100**		0.0790	0.0914	0.451	0.356	173.0	52.3	**0.0500**	**0.0500**
04/22/07	68.0	14.5	**0.0075**	**0.00750**	**0.155**	**0.155**	5.34	5.07	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**2.64**	**0.00750**	**0.00750**	5380	5680	0.308	0.416	0.0998		0.366		454.0	288.0	**0.0358**	**0.0604**
05/15/07	47.8	9.77	**0.0075**	**0.00750**	**0.155**	**0.155**	4.73	4.14	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5660	5560	0.296	0.350	0.0718	0.0682	0.252		318.0	178.0	**0.0500**	**0.0155**
06/19/07	20.2	8.33	**0.0250**	**0.0250**	**0.155**	**0.155**	5.24	5.52	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7940	8090	**0.100**	0.267	0.0520	0.0476	0.258	0.261	177.0	109.0	0.231	**0.0155**
07/16/07	28.2	7.11	**0.0250**	**0.0250**	**0.155**	**0.155**	6.54	6.28	**0.0125**	**0.0125**	**0.0352**	**0.00750**	**2.85**	**2.52**	**0.00750**	**0.00750**	9480	9540	0.237	**0.0500**	0.0926	0.0762	0.511	0.345	268.0	136.0	**0.0500**	**0.0155**
08/17/07	39.8	6.66	**0.0234**	**0.0210**	**0.155**	**0.155**	7.03	5.74	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**2.92**	**1.25**	**0.00750**	**0.00750**	10500	9100	0.363	**0.189**	0.111	0.0662	0.359	0.274	382.0	125.0	**0.0155**	**0.0155**
09/19/07	208	34.8	**0.0075**	**0.0154**	**0.155**	**0.155**	7.79	6.09	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6650	6750	0.515	0.294	0.193	0.0758	0.486	0.419	600.0	171.0	**0.0500**	**0.0155**
10/16/07	29.4	9.36	**0.0075**	**0.0190**	**0.155**	**0.155**	5.95	5.85	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9610	9760	0.365	0.478	0.0632	0.0436	0.348	0.262	164.0	87.1	**0.0155**	**0.0155**
11/10/07	29.5	13.9	**0.0166**	**0.0258**	**0.155**	**0.155**	5.33	6.11	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8310	8910	**0.100**	**0.100**	0.0608	0.0464	0.237		182.0	95.5	**0.0155**	**0.0500**
12/10/07	19.5	9.13	**0.0075**	**0.0214**	**0.155**	**0.155**	5.71	6.23	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9320	9680	0.619	0.481	0.0548	0.0526	0.205	0.266	177.0	96.5	**0.0155**	**0.0500**
01/19/08	8.50	3.45	**0.0075**	**0.00750**	**0.155**	**0.155**	6.50	5.99	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11500	10800	0.541	0.537	0.0482	0.0440	0.200		158.0	63.3	**0.0155**	**0.0500**
02/25/08	8.66	3.61	**0.0075**	**0.00750**	**0.155**	**0.155**	5.99	5.64	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11000	9930	0.426	0.392	0.0482	0.0398	0.185		172.0	63.3	**0.0155**	**0.0500**
03/13/08	5.75	2.59	**0.0160**	**0.0280**	**0.155**	**0.155**	5.42	6.47	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9720	10400	**0.133**	0.322	0.0492	0.0470	0.114	0.199	161.0	76.3	**0.0155**	**0.0155**
04/22/08	8.35	3.55	**0.0075**	**0.00750**	**0.155**	**0.155**	7.45	7.54	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11800	11400	0.221	0.261	0.0689	0.0707	0.169		248.0	121.0	**0.0155**	**0.0500**
05/18/08	69.6	19.0	**0.0075**	**0.00750**	**0.155**	**0.155**	5.04	4.30	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0250**	**0.00750**	4810	4700	**0.100**	**0.0500**	0.0901	0.0424	0.313		542.0	319.0	**0.0500**	**0.0500**
Mean	47.3	11.13	0.672	0.0300	0.176	0.161	6.35	5.76	0.0186	0.0103	0.1461	0.1403	1.76	1.71	0.01974	0.0116	8720	8610	0.320	0.302	0.102	0.0725	0.307	0.283	326.0	132.0	0.428	0.0700
Median	29.5	9.77	0.0170	0.0210	0.155	0.155	6.48	5.84	0.0125	0.0125	0.007500	0.007500	1.25	1.40	0.007750	0.00775	9510	9120	0.307	0.292	0.0786	0.0676	0.271	0.274	234.0	106.0	0.0500	0.0500
St. Deviation	51.9	8.27	4.09	0.0370	0.0880	0.0490	1.02	0.920	0.0524	0.00310	0.2855	0.2889	1.03	0.910	0.04731	0.00758	2240	2360	0.196	0.174	0.0678	0.0406	0.143	0.0680	224.0	88.0	1.66	0.0910
# of values	40	39	40	40	40	40	40	39	40	40	40	39	40	40	40	40	40	38	40	36	40	33	40	30	40	38	40	33
Minimum	4.86	1	0.00155	0.00155	0.125	0.125	4.50	4.14	0.00150	0.00150	0.00155	0.00155	0.75	0.75	0.0031	0.0031	4610	4700	0.05	0.05	0.0472	0.0388	0.1	0.119	129	20.6	0.011	0.0155
Maximum	208	34.8	25.9	0.212	0.509	0.352	8.85	8.16	0.341	0.0125	0.750	0.750	5.00	5.00	0.307	0.0500	12200	13600	0.703	0.651	0.376	0.276	0.789	0.468	1050	386	9.53	0.409
% of values undetected	8%	21%	70%	48%	85%	88%	0%	0%	95%	100%	90%	100%	88%	85%	95%	100%	0%	0%	25%	19%	10%	0%	5%	0%	0%	0%	80%	85%
# of values between MDL and PQL	0	0	6	14	3	3	0	0	1	0	1	0	3	4	1	0	0	0	3	4	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.083	0.081	NA	NA	10.98	10.56276	NA	NA	2.376	2.281	1000	1000	0.415	0.425
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	8%	0%
% of DWS exceedences	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT138A																												
Sample Date																												
05/01/04	1660	1530	61.4	32.0	0.00300		**0.155**	**0.155**	0.642	0.285	524	460	**0.155**	**0.155**	3560	**0.00310**	**0.00310**	2580	2430	**0.0125**	**0.0125**	**0.155**	**0.155**	0.759	**0.125**	8.26	1.73
05/21/04	1530	1530	9.40	9.58	0.00190		**0.155**	**0.155**	0.267	0.382	372	376	**0.155**	**0.155**	4050	**0.00310**	**0.00310**	2670	2700	**0.0125**	**0.0125**	**0.155**	**0.155**	0.611	0.459	**0.750**	**0.750**
06/17/04	1620	1540	25.1	15.2	0.00110		**0.155**	**0.155**	0.335	0.348	233	224	**0.155**	**0.155**	4480	**0.00310**	**0.00310**	3160	3080	**0.0125**	**0.0125**	**0.155**	**0.155**	0.806	0.509	1.81	**0.750**
07/15/04	2800	2480	22.2	15.2	**0.000500**		**0.155**	**0.155**	0.348	0.465	371	312	**0.155**	**0.155**	5460	**0.00310**	**0.00310**	4430	3920	**0.0125**	**0.0125**	**0.155**	**0.155**	0.577	0.464	1.66	**0.750**
08/18/04																												
08/25/04	2670		23.0	27.8	**0.000500**		**0.155**	**0.155**	0.288		405	476	**0.155**	**0.155**	6650	**0.00310**	**0.00310**	4270		**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	0.474	**0.750**	**0.750**
09/17/04	2800	3260	27.5	31.4	0.00100		**0.155**	**0.155**	0.330		425	491	**0.155**	**0.155**	6870	**0.00310**	**0.00310**	4380	5070	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.291**	**0.125**	**0.235**	1.54
10/17/04	2030	2240	16.8	16.1	0.00120		**0.155**	**0.155**	0.265	0.435	297	344	**0.155**	**0.155**	5740	**0.00310**	**0.00310**	3880	4070	**0.0125**	**0.0125**	**0.155**	**0.155**	0.403	**0.319**	**0.750**	**0.750**
01/27/05	3010	2920	19.8	16.8	**0.000500**		0.139	0.136	0.356	0.361	370	368	**0.0775**	**0.0775**	6430	**0.00310**	**0.00310**	4590	4600	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	**0.750**	**0.750**
03/19/05	2960	3290	29.3	31.4	**0.000147**		**0.0169**	0.110	0.121	0.110	405	404	**0.0143**	**0.0143**	6750	**0.00144**	**0.00500**	4480	5060	**0.00213**	**0.00213**	**0.0302**	**0.0302**	0.241	0.262	1.96	1.44
05/02/05	1380	1430	39.5	18.9	**0.00229**		**0.0683**	**0.0500**	0.219	0.262	559	546	**0.0143**	**0.0143**	3810	**0.00500**	**0.00144**	2090	2140	**0.00213**	**0.00500**	**0.100**	**0.0302**	0.608	0.297	1.66	2.18
06/02/05	1940	1940	11.1	7.24	**0.000450**		0.0870	0.0838	0.387		392	396	**0.0775**	**0.0775**	5140	**0.00310**	**0.00310**	3430	3450	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.483	0.721	**0.750**	**0.750**
07/09/05	2940	2950	47.7	25.7	**0.00250**		0.0334	0.0280	0.469	0.519	373	361	**0.0775**	**0.0775**	5240	**0.00310**	**0.00310**	5190	5180	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.932	**0.100**	20.3	
08/17/05	3590	3470	35.6	26.5	**0.00155**		0.129	0.131	0.557		592	575	**0.0775**	**0.0775**	6700	**0.00310**	**0.00310**	5690	5490	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.702	0.470	1.89	**0.750**
09/13/05	2460	2090	19.4	11.9	**0.00250**		0.212	0.102	0.512	0.462	505	448	**0.0775**	**0.0775**	5800	**0.00310**	**0.00310**	4340	3620	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.742	0.412	**0.750**	1.57
10/28/05	2510	2930	20.3	17.7	**0.000975**		0.105		0.383		348	406	**0.0775**	**0.242**	7270	**0.00310**	**0.00310**	4020		**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.760	**0.301**	2.77	
02/10/06	3240	3250	15.8	13.1	**0.000475**		22.3	0.0822	1.04		771	413	**0.155**	**0.155**	6550	**0.00720**	**0.00310**	5130	5130	0.0366	**0.00250**	0.248	**0.0155**	**0.110**	**0.110**	4.09	3.41
03/15/06	3390	3230	17.0	14.3	**0.000475**		0.151	0.113	0.338		416	398	**0.155**	**0.155**	6130	**0.00310**	**0.00310**	5040	4920	0.0110	**0.00500**	**0.0155**	**0.0155**	**0.250**	**0.110**	1.62	
05/19/06	1810	1530	23.5	12.3	**0.00250**		0.105	0.0864	0.424	0.592	815	774	**0.155**	**0.155**	3650	**0.00310**	**0.00310**	2960	2520	0.0112	**0.00740**	**0.0155**	**0.0155**	**0.496**	**0.110**	2.36	2.56
06/17/06	1580	1640	23.2	13.5	**0.00250**		0.0578	0.0750	0.400		330	328	**0.155**	**0.155**	1310	**0.00310**	**0.00310**	2890	3130	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.790	**0.250**	1.47	1.21
07/24/06	2620	2750	53.9	28.0	**0.00113**		0.127	0.151	0.571		420	383	**0.155**	**0.155**	2210	**0.00310**	**0.00310**	4420	4760	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.611**	**0.250**	1.49	**0.500**
08/15/06	1860	1900	32.7	7.50	**0.00250**		0.0652	0.0716	0.508		326	345	**0.155**	**0.155**	4030	**0.00310**	**0.00310**	3610	3820	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.881**	**0.250**	1.85	
09/12/06	2740	2550	20.5	16.2	**0.000475**		0.110	0.108	0.371		403	407	**0.155**	**0.155**	2970	**0.0130**	**0.00310**	4440	4300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	1.44
11/02/06	2660	2630	11.5	8.51	**0.000475**		0.104	0.128	0.442	0.347	383	406	**0.155**	**0.155**	6120	**0.00310**	**0.00310**	4150	4050	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
12/12/06	2920	2940	18.4	15.3	**0.000475**		0.135	0.142	0.449	0.469	392	395	**0.155**	**0.155**	5730	**0.00310**	**0.00310**	4450	4490	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.34	
01/14/07	2710	3270	15.8	14.8	**0.000169**		0.141	0.168	0.362	0.403	371	425	**0.155**	**0.155**	6800	**0.00310**	**0.00780**	4180	4910	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.38	
02/20/07	3130	3370	22.6	22.8	**0.000169**		0.156	0.184	0.625	0.705	456	527	**0.155**	**0.155**	6860	**0.00310**	**0.00310**	4950	5240	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.94	
04/22/07	1690	1790	21.1	22.3	**0.00227**		0.0834	0.0902	0.308		1030	1100	**0.155**	**0.155**	3470	**0.00310**	**0.00310**	2490	2660	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.320**	**0.155**	1.46	
05/15/07	1660	1620	14.1	7.92	**0.000650**		0.0904	0.0912	0.349		555	539	**0.155**	**0.155**	3620	**0.00310**	**0.00310**	2710	2650	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.318**	**0.155**	1.05	1.62
06/19/07	2190	2390	12.7	10.0	**0.000919**		0.118	0.128	0.328	0.341	384	422	**0.155**	**0.155**	4930	**0.00310**	**0.00310**	3910	4170	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.648**	**0.155**	2.47	**0.500**
07/16/07	2660	2690	24.7	20.4	**0.000169**		0.125	0.126	0.587	0.678	365	365	**0.155**	**0.155**	5270	**0.00310**	**0.00310**	4440	4500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.99	1.18
08/17/07	2800	2490	33.0	20.7	**0.00250**		0.158	0.136	0.488	0.404	408	376	**0.155**	**0.155**	5320	**0.00310**	**0.00310**	5030	4390	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.431**	**0.155**	4.14	1.58
09/19/07	1920	1920	30.9	8.93	**0.00250**		0.0824	0.0942	0.415	0.414	503	521	**0.155**	**0.155**	4920	**0.00310**	**0.00310**	4230	4270	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.835**	**0.321**	2.36	2.35
10/16/07	2540	2620	14.7	9.37	**0.00250**		0.120	0.134	0.317	0.365	363	419	**0.155**	**0.155**	6700	**0.00310**	**0.00310**	4190	4360	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.155**	**0.155**
11/10/07	2310	2460	12.8	9.30	**0.00250**		0.113	0.135	0.278	0.460	311	365	**0.155**	**0.155**	5650	**0.00310**	**0.00310**	3980	4170	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.39
12/10/07	2560	2640	12.6	9.99	**0.000871**		0.116	0.140	0.364		347	387	**0.155**	**0.155**	6070	**0.00310**	**0.00310**	4390	4530	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.22
01/19/08	2930	2800	14.2	11.8	**0.000750**		0.137	0.138	0.241	0.423	396	386	**0.155**	**0.155**	6200	**0.00310**	**0.00310**	4500	4270	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.42
02/25/08	3070	2880	16.3	12.7	**0.000750**		0.140	0.182	0.241	0.388	421	412	**0.155**	**0.155**	5990	**0.00310**	**0.00310**	4570	4210	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.24	
03/13/08	2650	2770	16.1	14.3	**0.000750**		0.124	0.156	0.330		351	403	**0.155**	**0.155**	5610	**0.00310**	**0.00310**	4000	4100	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.08
04/22/08	3480	3440	22.6	21.3	**0.000750**		**0.0361**	**0.0467**	0.418		465	463	**0.155**	**0.155**	6970	**0.00310**	**0.00310**	5200	5200	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.81	1.58
05/18/08	1410	1400	21.0	4.85	**0.00297**		0.0574	0.0534	0.211	0.357	519	505	**0.155**	**0.155**	3240	**0.00310**	**0.00310**	2090	2080	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.443**	**0.155**	1.4	2.05
Mean	2460	2480	23.2	16.3	0.00131	NA	0.671	0.120	0.397	0.416	442	441	0.136	0.140	5260	0.00350	0.00320	4030	4040	0.00690	0.00590	0.0690	0.0610	0.414	0.240	2.12	1.32
Median	2640	2620	20.8	15.0	0.000950	NA	0.125	0.131	0.363	0.404	400	406	0.155	0.155	5630	0.00310	0.00310	4250	4240	0.00500	0.00500	0.0500	0.0500	0.319	0.155	1.48	1.31
St. Deviation	610	650	11.5	7.40	0.000940	NA	3.51	0.0390	0.157	0.126	148	139	0.0400	0.0420	1450	0.00170	0.000800	900	950	0.00590	0.00320	0.0530	0.0450	0.264	0.142	3.27	0.700
# of values	40	39	40	40	40	0	40	39	40	24	40	40	40	40	40	40	40	40	38	40	40	40	40	40	40	40	30	
Minimum	1380	1400	9.4	4.85	0.00015	NA	0.0169	0.028	0.121	0.11	233	224	0.0143	0.0143	1310	0.00144	0.00144	2090	2080	0.0021	0.0021	0.0155	0.0155	0.1	0.1	0.155	0.155	
Maximum	3590	3470	61.4	32	0.003	NA	22.3	0.184	1.04	0.705	1030	1100	0.155	0.242	7270	0.013	0.0078	5690	5490	0.0366	0.0125	0.248	0.155	0.932	0.721	20.3	3.41	
% of values undetected	0%	0%	0%	0%	65%		20%	21%	0%	0%	0%	0%	100%	98%	0%	95%	98%	0%	0%	93%	98%	98%	100%	43%	70%	35%	37%	
# of values between MDL and PQL	0	0	0	0	9		2	1	0	0	0	0	0	1	0	2	1	0	0	0	1	0	0	10	3	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	13.47	13.43	NA	NA	5	4.6	NA	0.2586302	0.220	NA	NA	NA	NA	NA	NA	NA	NA	30.87	30.43	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	5%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT141A																										
Sample Date																										
04/30/04	6.57	0.640	13.07		0.029		14.9	12.0	30.0	27.5	4.92	**1.57**	12.0	0.146			**0.0155**	**0.0155**		0.548	**0.0500**	0.631	**0.00125**	0.00580	**0.0650**	
05/20/04	6.81	9.71	10.14		0.043	128.0		15.7	38.0	48.8	0.900	**1.57**	18.0	**0.0460**			**0.0155**	**0.0155**		0.589	**0.0155**	1.03	**0.00125**	**0.00125**	**0.0650**	
06/17/04	6.98	9.20	10.44		0.059	57.0	1.20	22.7	59.0	32.5	2.60	**1.57**	29.0				**0.0155**	**0.0155**		0.371	**0.0340**	1.01	0.0066	0.00600	**0.0650**	
07/15/04	7.14	13.32	8.87	85.8	0.091	259.0	3.00	34.8	90.0	63.8	1.80	**1.57**	40.5	**0.310**			**0.0155**	**0.0155**		0.584	**0.0500**	1.75	**0.00125**	**0.00125**	**0.0650**	
08/25/04	7.24	12.49	12.06	114.6	0.108	181.0	1.20	40.4	100.0	77.5	**0.2565**	**1.57**	48.0	**0.155**			**0.0155**	**0.04**		0.789	**0.0430**	2.12	**0.00125**	**0.00125**	**0.0650**	
09/17/04	7.51	3.63	12.06		0.101	150.0	0.900	39.2	100.0	58.8	1.10	**1.57**	48.5				**0.0155**	**0.0155**		0.795	**0.0360**	3.75	**0.00125**	**0.00125**	**0.370**	
10/15/04	7.12	3.94	11.35	90.0	0.065	106.0		27.2	70.0	45.0	0.718	**1.57**	29.0	**0.910**			**0.0350**	**0.0155**					**0.0025**	**0.0025**	**0.310**	
10/16/04																				1.08	**0.0155**	1.49				
03/19/05	7.44	0.880	12.62	88.6	0.103	93.0	3.50	45.0	90.0	38.7	**0.075**	**4.75**	49.0	0.210			**0.0530**	0.0607		0.848	**0.0330**	2.48	**0.00125**	**0.00125**	**0.210**	
05/07/05	6.22	6.17	11.26	90.8	0.044	125.9	1.46	18.6	37.5	32.5	2.60	**1.57**	16.5	0.190			**0.0155**	0.0400		0.666	**0.0600**	0.989	**0.00125**	**0.00125**	**0.270**	
06/02/05	7.49	8.95	11.23	97.8	0.050	-29.0	4.40	19.6	50.0	36.3	1.70	**2.75**	20.5	0.160			**0.0500**	0.0260		0.580	**0.0155**	2.70	**0.00125**	**0.00125**	**0.260**	
07/09/05	7.23	11.58	8.88	81.7	0.080	-103.1	1.25	35.6	80.0	45.0	1.40	**0.785**	39.5	0.106			**0.0155**	0.0405		0.489	**0.0155**	1.25	**0.00125**	**0.00125**	**0.260**	
08/16/05	7.48	12.39	7.92	74.1	0.091	34.1		43.6	95.0	75.0	2.30	5.38	38.5	1.53			**0.0310**	**0.0140**		0.560	**0.0155**	1.84	0.0300	0.0400	**0.730**	
09/13/05	6.93	6.20	11.63		0.052	111.3	0.900	23.3	60.0	43.8	4.00	**3.00**	24.5	0.140			**0.0450**	0.024		0.858	**0.0155**	1.09	**0.00125**	**0.00125**	**0.420**	
10/28/05	6.88	1.43	12.73	90.6	0.066	82.4	0.810	28.5	70.0	15.0	0.816	**2.63**	30.5	0.264			**0.0500**	**0.0085**		1.00	**0.0350**	2.89	**0.00125**	**0.00125**	**0.270**	
02/08/06	7.15	0.32	11.68	79.6	0.092	-214.1	0.780	44.9	110.0	65.0	**0.40**	**4.50**	48.0	0.263			**0.0155**	**0.0150**		0.666	**0.0155**	2.58	**0.00125**	**0.00125**	**0.0295**	
03/15/06	7.26	0.46	9.16	63.6	0.090		0.990	53.2	90.0	66.2	**0.075**	7.25	48.0	0.284			0.127	**0.00155**		0.668	**0.0155**	2.67	**0.00125**	**0.00125**	**0.155**	
05/19/06	6.17	1.93	8.37	60.4	0.046	160.4	1.48	20.5	45.0	46.3	3.30	**3.50**	**3.10**	0.243	**0.0155**	0.243	**0.0460**	0.0250	**0.0155**	0.764	**0.0155**	1.05	**0.00125**	**0.00125**	**0.340**	
06/17/06	6.43	11.04	7.18	65.2	0.047	84.8	0.600	21.0	48.0	33.8	1.20	**2.75**	24.0	0.186	**0.0155**	0.160	**0.0155**	0.0139	**0.0155**	0.670	**0.0310**	1.19	**0.00125**	**0.00125**	**0.370**	
07/24/06	7.02	7.71	8.80	73.9	0.073	69.1	0.950	34.0	70.0	36.3	4.90	**3.15**	39.0	**0.0710**	**0.0155**	**0.0710**	**0.0350**	0.0100	**0.05**	0.473	**0.0360**	1.42	**0.0030**	**0.0025**	**0.155**	
08/15/06	7.41	7.96	7.54	63.6	0.043	143.5	0.650	19.6	42.0	53.8	7.10	**3.25**	22.0	**0.0805**	**0.0155**	**0.0690**	**0.0155**	0.0180	**0.0155**	0.346	**0.0440**	0.951	**0.00075**	**0.00075**	**0.155**	
09/12/06	6.85	8.78	9.53	82.1	0.061	60.5	0.680	27.8	60.0	55.0	0.800	**3.50**	31.0	0.230	**0.0155**	0.222	**0.0155**	**0.0067**	**0.05**	0.768	**0.0850**	1.52	**0.00075**	**0.00075**	**0.155**	
11/02/06	7.04	0.310	11.94	82.5	0.061	61.0	0.410	28.4	50.0	38.8	0.700	**1.57**	41.0	**0.0540**	**0.0155**	**0.0375**	**0.0500**	0.0260	**0.05**	0.702	**0.0310**	1.39	**0.00075**	**0.00075**	**0.155**	
12/12/06	7.28	0.500	12.11	85.3	0.078		0.550	36.3	70.0	42.5	**0.1565**	**1.57**	42.0	0.232	**0.0155**	0.224	**0.0500**	**0.0040**	**0.0155**	0.707	**0.0155**	1.87	**0.0030**	**0.00075**	**0.155**	
01/14/07	6.73	0.480	10.49	72.7	0.096	60.8	1.00	43.2	85.0	63.7	**0.851**	**1.75**	24.0	0.248	**0.0155**	0.244	**0.0155**	**0.0050**	**0.0155**	0.613	**0.0155**	2.22	**0.00075**	**0.00075**	**0.155**	
02/19/07	7.00	0.470	10.87	75.3	0.096	59.2	0.620	44.7	90.0	65.0	**0.400**	**1.57**	50.0	0.262	**0.0155**	0.262	**0.0316**	**0.00155**		0.633	**0.0155**	2.25	**0.0020**	**0.00075**	**0.155**	
03/14/07	7.81	0.050	7.20	50.1	0.014	136.8	1.02	39.4	90.0	55.0	**0.075**	**1.57**	48.0	0.706	**0.0155**	0.705	**0.0155**	**0.0050**	**0.05**	0.611	**0.0155**	2.47	**0.00075**	**0.00075**	**0.155**	
04/22/07	6.22	1.03	7.72	54.3	0.043	129.5	1.25	20.3	37.0	28.8	10.2	**1.57**	20.0	0.144	**0.0155**	0.127	**0.0155**	0.0220	**0.0155**	0.695	**0.0330**	1.17	**0.00075**	**0.00075**	**0.410**	
05/14/07	6.77	3.43	12.07	90.7	0.054	120.5	0.880	25.3	50.0	31.3	1.80	**1.57**	26.0	0.234			**0.0155**	0.0142		0.689	**0.0350**	1.34	**0.00075**	**0.00075**	**0.155**	
06/20/07	6.94	6.94	8.87	73.0	0.064	71.7	0.580	27.5	60.0	66.0	0.619	**1.57**	31.0	0.140			**0.0500**	**0.0050**		0.604	**0.0670**	1.92	**0.00075**	**0.00075**	**0.155**	1.50
07/16/07	7.00	6.93	8.88	73.1	0.058	49.1	1.27	35.3	65.0	40.0	0.800	**1.57**	35.1	0.939			**0.0155**	0.0122		0.509	**0.0450**	1.83	**0.00075**	**0.00075**	**0.155**	2.13
08/18/07	6.95	7.79	9.07	76.3	0.073	43.3	1.07	31.9	75.0	48.8	1.60	**4.75**	36.9	0.185			**0.0777**	**0.0092**		0.477	**0.0155**	1.45	**0.00075**	**0.00075**	**0.155**	2.28
09/19/07	6.34	7.16	9.21	76.2	0.046	96.6	1.89	22.8	470	32.5	4.50	**1.57**	21.0	0.123			**0.0155**	**0.00155**		0.874	**0.0155**	1.01	**0.00075**	**0.00075**	**0.500**	5.43
10/16/07	7.20	1.13	12.92	91.1	0.060	28.6	1.67	28.6	55.0	41.3	4.58	**1.57**	30.1	0.242			**0.0155**	0.0173		0.621	**0.0310**	1.38	**0.00075**	**0.00075**	**0.155**	1.38
11/10/07	6.54	0.970	9.53	67.0	0.056	129.2	0.330	25.2	50.0	45.0	**0.588**	**1.57**	26.0	0.200			**0.0155**	0.0123		0.800	**0.0310**	1.41	**0.00075**	**0.00075**	**0.155**	2.62
12/11/07	7.05	0.430	16.01	113.1	0.063	65.9	0.780	29.6	61.3	15.0	**0.816**	**1.57**	29.0	0.255			**0.0155**	0.0144		0.632	**0.0155**	1.53	**0.00075**	**0.00075**	**0.155**	1.77
02/21/08	7.43	0.870	8.47	59.4	0.091	65.9	0.840	41.9	89.3	71.3	**0.600**	10.6	46.3	0.180			**0.0155**	**0.0050**		0.545	**0.0320**	2.10	**0.00075**	**0.0025**	**0.155**	1.00
03/16/08	6.73	0.420	10.85	75.2	0.094	84.0	0.940	36.1	98.1	63.8	**0.612**	**6.88**	48.0	0.301			**0.0371**	**0.0089**		0.666	**0.0310**	2.15	**0.00075**	**0.00075**	**0.155**	1.45
04/22/08	7.26	1.68	10.55	75.8	0.105	52.6	1.10	45.8	104.0	62.5	**0.226**	**1.57**	50.5	0.279			**0.0405**	**0.0089**		0.799	**0.0310**	3.25	**0.0019**	**0.00075**	**0.155**	1.40
05/18/08	6.84	0.880	9.40	65.9	0.043	183.7	1.06	17.4	46.0	33.8	1.47	**1.57**	21.1	0.292			0.141	0.0111		0.392	**0.0155**	1.29	**0.0025**	**0.0025**	**0.155**	3.29
Mean	6.99	4.62	10.33	78.2	0.067	81.6	1.60	30.9	79.0	47.2	1.89	2.71	33.0	0.285	0.0155	0.215	0.0331	0.0160	0.03	0.658	0.0300	1.75	0.00210	0.0024	0.210	2.20
Median	7.00	3.43	10.44	76.0	0.063	83.2	1.00	28.6	70.0	45.0	0.900	1.57	31.0	0.230	0.0155	0.222	0.0155	0.0142	0.0155	0.666	0.0310	1.52	0.00125	0.0013	0.155	1.77
St. Deviation	0.390	4.32	1.950	14.6	0.023	80.5	2.40	10.1	67.9	15.9	2.16	2.01	12.0	0.288	0	0.181	0.0288	0.0120	0.02	0.158	0.0170	0.710	0.00470	0.0063	0.138	1.26
# of values	39	39	39	34	39	36	36	39	39	39	39	39	39	37	11	11	39	39	10	39	39	39	39	39	39	11
Minimum	6.17	0.05	7.18	50.1	0.014	-214.1	0.33	12.0	30.0	15	0.075	0.785	3.10	0.046	0.0155	0.0375	0.0155	0.00155	0.0155	0.346	0.0155	0.631	0.00075	0.00075	0.0295	1.00
Maximum	7.81	13.32	16.01	114.6	0.108	259	14.9	53.2	470.0	77.5	10.2	10.6	50.5	1.530	0.0155	0.705	0.141	0.0607	0.050	1.08	0.0850	3.75	0.0300	0.0400	0.730	5.43
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	62%	3%	5%	100%	0%	69%	31%	100%	0%	49%	0%	85%	92%	69%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	8	12	0	5	0	3	10	10	0	0	20	0	4	0	12	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.86	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT141A																												
Sample Date																												
04/30/04	151	27.1	3.05	**0.100**	**0.125**	**0.125**	3.40	2.94	**0.00750**	0.0474	**0.750**	**0.750**	**5.00**	**1.55**	**0.0155**	**0.0476**	3340	3580	0.242	0.267	0.128		0.383	0.451	483.0	249.0	**0.100**	**0.100**
05/20/04	**31.25**	**12.5**	**0.0965**	0.284	**0.3125**	**0.125**	2.92	1.69	**0.01875**	**0.00750**	**1.875**	**0.750**	**1.55**	**1.55**	**0.03875**	**0.0155**	4750	4770	**0.125**	**0.0500**	**0.0388**		**0.0775**	0.224	176.0	153.0	**0.125**	**0.0500**
06/17/04	52.3	25.2	5.64	0.235	**0.442**	**0.125**	3.86	3.42	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6830	6350	1.43	0.246	**0.0500**		0.253	0.290	385.0	198.0	**0.0500**	**0.0500**
07/15/04	40.9	**12.5**	**0.0385**	**0.0385**	1.02	0.687	5.46	4.66	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0500**	**0.0500**	10500	9030	0.299	0.225	0.118		0.216	**0.100**	732.0	438.0	**0.0500**	**0.0500**
08/25/04	**12.5**	**12.5**	**0.0385**	**0.0385**	0.964	0.750	5.92	5.83	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	12000	12100	**0.189**	0.287	0.128		0.215	0.324	839.0	601.0	**0.0500**	**0.0500**
09/17/04	27.8	**12.5**	**0.0385**	**0.0835**	0.769	0.597	5.45	5.12	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	11400	13900	0.216	**0.176**	0.124		0.241	**0.100**	864.0	495.0	**0.0500**	**0.0500**
10/15/04	29.6	**12.5**	**0.0385**	**0.120**	0.501	**0.366**	3.58	3.23	**0.00750**	**0.00750**	**0.750**	**0.750**	**3.70**	**1.55**	**0.0155**	**0.0155**	8200	6760	**0.050**	0.226	**0.0500**		**0.100**	0.367	345.0	202.0	**0.0500**	**0.0500**
10/16/04																												
03/19/05	6.87		0.0233	0.0225	0.445		4.84	5.64	**0.00150**	**0.00150**	**0.00384**	**0.00384**	1.91	1.60	**0.00310**	**0.00310**	13400	13900	**0.121**	**0.171**	0.0822	0.0824	0.188	0.129	252.0		**0.0350**	**0.0110**
05/07/05	95.4	15.5	0.0207	**0.0126**	0.541	0.278	3.97	2.70	**0.00370**	**0.00150**	**0.00384**	**0.00384**	1.85		**0.00310**	**0.0100**	5610	5570	**0.0357**	**0.0357**	0.0707	0.0450	0.344	0.23	354.0	132.0	**0.0350**	
06/02/05	51.4	11.9	0.0212	0.0216	**0.490**	**0.359**	2.66	2.34	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6000	5740	**0.100**	**0.100**	0.0514	0.046	0.147	0.191	189.0	92.7	**0.0500**	
07/09/05	27.1	12.1	0.0180	**0.005**	0.716	0.512	4.72	4.85	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	10600	11100	0.407	0.438	0.0794	0.0694	0.171		515.0	201.0	**0.0155**	
08/16/05	90.1	27.5	10.5	0.187	1.01	0.798	6.33	5.01	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	13200	12500	0.621	0.771	0.100	0.0874	0.292	0.285	675.0	167.0	**0.0500**	
09/13/05	29.2		0.0234	0.0150	**0.125**	**0.125**	3.74	4.19	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6820	6860	1.08	0.952	0.0994	0.114	0.319	0.320	169.0		0.247	**0.0500**
10/28/05	29.4	11.5	0.0904	0.0406	0.534	**0.352**	3.64	3.64	**0.00750**	**0.00750**	**0.00540**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8680	9080	0.486		0.0692	0.0802	0.286	0.287	224.0	131.0	**0.0340**	
02/08/06	28.8	5.99	0.0532	0.0500	**0.155**	**0.155**	5.17	4.94	0.0318	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	13500	13000	0.510	0.413	0.0996	0.0918	0.229	0.297	360.0	224.0	1.70	0.276
03/15/06	13.3	4.48	**0.0250**	**0.0250**	**0.155**	**0.369**	5.47	4.78	**0.0120**	**0.0120**	**0.00750**	**0.0250**	**0.750**	**2.50**	**0.0125**	**0.0125**	15800	13800	0.441		0.0878	0.0910	0.161		357.0	179.0	**0.0130**	
05/19/06	73.9	17.5	**0.0250**	**0.0250**	**0.320**	**0.480**	5.00	4.41	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	**0.0125**	**0.0125**	6030	5890	0.563	0.552	0.133	0.112	0.262	0.337	767.0	470.0	0.0694	
06/17/06	44.6	21.3	**0.0196**	**0.0184**	**0.155**	**0.155**	3.45	3.16	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.75**	**0.0125**	**0.0125**	6320	6550	0.359		0.0832	0.0704	0.271	0.335	248.0	135.0	1.84	0.265
07/24/06	39.3	10.8	**0.0256**	**0.0262**	**0.379**	**0.352**	5.14	4.37	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10200	10500	0.531	0.442	0.137	0.106	0.220	0.230	588.0	181.0	**0.0155**	
08/15/06	155	43.6	**0.0162**	**0.00750**	**0.155**	**0.155**	6.29	3.48	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	6150	5760	0.208		0.133	0.0470	0.347	0.407	447.0	199.0	0.419	0.250
09/12/06	29.6	13.6	**0.0075**	**0.0334**	**0.373**	**0.155**	3.79	3.59	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	8380	7830	0.215		0.0742	0.0638	0.168		299.0	185.0	**0.0500**	
11/02/06	24.2	11.6	**0.0075**	**0.0250**	**0.155**	**0.421**	3.76	3.81	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	8670	10100	0.712	0.441	0.0640	0.0566	0.205	0.193	224.0	135.0	0.109	**0.0500**
12/12/06	10.3	5.02	**0.0075**	**0.00750**	**0.155**	**0.155**	4.17	4.71	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10900	10000	**0.0500**	**0.0500**	0.0492	0.0482	0.187	0.231	204.0	96.3	**0.0500**	0.107
01/14/07	17.2		**0.0250**	**0.0250**	0.552	**0.155**	5.46		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0316**	12700	14400	0.212	**0.138**	0.0588		0.340		320.0	224.0	**0.0616**	**0.0608**
02/19/07	14.0	8.16	**0.0250**	**0.0250**	**0.370**	**0.155**	5.38	6.55	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	13600	13900	**0.100**	**0.0500**	0.0718	0.0810	0.186	0.265	288.0	145.0	15.7	0.111
03/14/07	8.48	3.89	**0.0250**	**0.0250**	**0.155**	**0.155**	4.40	4.52	**0.0270**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11600	12100	0.224	**0.0500**	0.0466		**0.0500**		220.0	119.0	0.105	0.101
04/22/07	154	18.2	**0.0210**	0.0558	0.521	**0.359**	5.26	4.17	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5880	5820	0.488	0.218	0.136		0.340		597.0	280.0	**0.0994**	**0.0644**
05/14/07	54.9	17.3	**0.0202**	**0.00750**	**0.431**	**0.155**	3.97	3.50	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7590	7290	0.461	0.326	0.0652		0.248		303.0	169.0	**0.0155**	**0.0155**
06/20/07	21.8	9.76	**0.0250**	**0.0250**	**0.378**	**0.155**	3.55	4.12	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8190	8560	0.235		0.0478	0.0494	0.246		235.0	161.0	0.106	0.119
07/16/07	36.6	11.8	**0.0250**	**0.0250**	**0.379**	**0.155**	4.62	4.78	**0.0125**	**0.0125**	**0.00750**	**0.0268**	**1.25**	**1.25**	**0.00750**	**0.00750**	10600	10100	0.381	**0.0500**	0.0844	0.0738	0.269	0.282	355.0	226.0	**0.0500**	**0.0500**
08/18/07	37.7	12.4	**0.0234**	**0.0322**	0.544	**0.413**	4.35	4.45	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9550	10100	**0.185**	0.276	0.0764	0.0648	0.204	0.190	358.0	210.0	**0.0155**	**0.0155**
09/19/07	150	34.4	**0.0156**	**0.00750**	**0.394**	**0.155**	4.79	3.87	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	6850	6570	0.444	0.223	0.0976	0.0506	0.373	0.309	361.0	134.0	**0.0500**	**0.0155**
10/16/07	123	13.1	**0.0266**	**0.0232**	**0.433**	**0.355**	4.41	3.91	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	8780	8950	0.497	0.418	0.0828	0.0420	0.260	0.190	286.0	117.0	**0.0500**	**0.0155**
11/10/07	28.0	14.8	**0.0214**	**0.0282**	**0.155**	**0.345**	3.33		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7580	8010	0.246	**0.0500**	0.0438	0.0368	0.164		164.0	105.0	**0.0155**	**0.0155**
12/11/07	29.2	14.1	**0.00750**	**0.0298**	**0.155**	**0.155**	3.61	4.19	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	9050	9100	0.489	0.388	0.0460	0.0410	0.347	0.273	185.0	121.0	**0.0500**	**0.0500**
02/21/08	16.9	6.18	**0.0250**	**0.0250**	**0.155**	**0.155**	4.54	4.80	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	12600	12400	0.465	0.469	0.0616		0.382		301.0	165.0	**0.0155**	**0.0500**
03/16/08	10.4	9.02	**0.0270**	**0.0390**	**0.317**	**0.155**	4.06		**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	10800	12000	**0.050**	**0.118**	0.0624	0.0596	0.150		314.0	197.0	**0.0155**	**0.0434**
04/22/08	12.8	6.86	**0.00750**	**0.00750**	**0.155**	**0.155**	5.66	5.71	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	13400	13500	0.372	0.284	0.123	0.119	0.202		508.0	335.0	**0.0155**	**0.0500**
05/18/08	42.6	18.1	**0.00750**	**0.00750**	**0.333**	**0.155**	3.71	3.47	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	5160	5070	**0.100**	**0.0500**	0.0627	0.0458	0.263		487.0	347.0	**0.0155**	**0.0500**
Mean	47.5	14.6	0.5167	0.0460	0.395	0.288	4.46	4.18	0.0116	0.0114	0.1688	0.1408	1.56	1.35	0.01215	0.0132	9260	9300	0.357	0.271	0.0825	0.0694	0.239	0.263	384.0	214.0	0.554	0.0750
Median	29.6	12.5	0.02500	0.0250	0.378	0.155	4.40	4.19	0.0125	0.0125	0.007500	0.007500	1.25	1.25	0.007750	0.00775	8780	9080	0.299	0.226	0.0764	0.0648	0.241	0.278	345.0	181.0	0.0500	0.0500
St. Deviation	43.6	8.40	1.926	0.0610	0.244	0.187	0.930	1.01	0.00530	0.00670	0.3901	0.2887	0.930	0.290	0.008890	0.00999	3010	3120	0.280	0.215	0.0305	0.0246	0.0830	0.0860	190.0	118.0	2.52	0.0700
# of values	39	36	39	39	39	38	39	36	39	39	39	39	39	38	39	39	39	39	39	33	39	27	39	26	39	37	39	30
Minimum	6.87	3.89	0.0075	0.0050	0.125	0.125	2.66	1.69	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.0031	0.0031	3340	3580	0.036	0.036	0.039	0.0368	0.05	0.1	164	92.7	0.013	0.011
Maximum	155	43.6	10.5	0.2840	1.02	0.798	6.33	6.55	0.0318	0.0474	1.875	0.750	5.00	2.50	0.0500	0.0500	15800	14400	1.430	0.952	0.137	0.119	0.383	0.451	864	601	15.7	0.276
% of values undetected	5%	14%	49%	49%	36%	55%	0%	0%	92%	97%	97%	97%	92%	97%	100%	95%	0%	0%	21%	27%	8%	0%	8%	8%	0%	0%	69%	67%
# of values between MDL and PQL	0	0	10	11	13	11	0	0	2	0	1	1	1	0	0	2	0	0	3	4	0	0	0	0	0	0	3	3
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.074	0.072	NA	NA	10.98	10.56276	NA	NA	2.076	1.993	1000	1000	0.339	0.355
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
% of DWS exceedences	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT141A																													
Sample Date																													
04/30/04	887	858	32.9	26.8	0.00510		**0.155**	**0.155**	0.218	0.314	334	366	**0.155**	**0.155**	1680	**0.00310**	**0.00840**	1030	1090	**0.0125**	**0.0125**	**0.344**	**0.155**	0.828	**0.125**	1.95	3.17
05/20/04	930	912	8.36	10.7	0.00180		**0.388**	**0.155**	**0.250**	0.339	149	152	**0.388**	**0.155**	3200	**0.00775**	**0.00310**	1630	1500	**0.0313**	**0.0125**	**0.388**	**0.155**	**0.313**	0.549	**0.590**	**0.750**
06/17/04	1380	1280	16.5	15.4	0.00140		**0.437**	**0.155**	0.334	0.415	132	119	**0.155**	**0.155**	3480	**0.00310**	**0.00310**	1840	1720	**0.0125**	**0.0125**	1.43	**0.155**	0.630	0.452	**0.750**	1.93
07/15/04	2080	1980	48.0	39.9	0.00120		**0.155**	**0.155**	0.379	0.421	196	174	**0.155**	**0.155**	4320	**0.00310**	**0.00310**	2280	2160	**0.0125**	**0.0125**	**0.155**	**0.155**	0.576	0.404	**0.750**	**0.750**
08/25/04	2510	2430	41.9	41.3	0.00100		**0.155**	**0.155**	0.372	0.567	251	262	**0.155**	**0.155**	4990	**0.00310**	**0.00310**	2490	2330	**0.0125**	**0.0125**	**0.155**	**0.155**	0.573	0.457	**0.235**	**0.750**
09/17/04	2600	2940	35.0	34.7	**0.000500**		**0.155**	**0.319**	0.401	0.553	263	251	**0.155**	**0.155**	5050	**0.00310**	**0.00310**	2510	2610	**0.0125**	**0.0125**	**0.155**	**0.155**	0.660	**0.125**	**0.235**	**0.750**
10/15/04	1640	1410	17.0	16.4	0.00110		**0.155**	**0.155**	**0.178**	0.372	187	155	**0.155**	**0.155**	4530	**0.00310**	**0.00310**	2080	1880	**0.0125**	**0.0125**	**0.155**	**0.155**	0.515	**0.252**	**0.750**	2.49
10/16/04																													
03/19/05	2800	2580	24.9	27.8	**0.000147**		0.187	0.248	0.202	**0.0450**	258	286	**0.0143**	**0.0143**	5140	**0.00144**	**0.00500**	2630	2480	**0.00213**	**0.00213**	**0.0302**	**0.0302**	0.376	0.440	2.15	**0.500**
05/07/05	1110	1000	13.6	8.29	**0.000147**		0.144	**0.0500**	0.120		280	270	**0.0297**	**0.0143**	3890	**0.00144**	**0.00144**	1560	1470	**0.00213**	**0.00213**	**0.0774**	**0.0302**	0.553	0.246	**0.712**	1.62
06/02/05	1130	1110	9.37	7.34	**0.000450**		0.157	0.145	0.303		164	163	**0.0775**	**0.0775**	3540	**0.00310**	**0.00310**	1860	1870	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.484	0.530	**0.750**	**0.750**
07/09/05	2200	2430	31.3	30.3	**0.000450**		0.177	0.161	0.382		223	237	**0.0775**	**0.0775**	4140	**0.00310**	**0.00310**	2420	2670	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.355**	**0.304**	21.2	25.4
08/16/05	2560	2460	30.2	26.9	**0.000450**		0.269	0.254	0.644		259	254	**0.0775**	**0.0775**	4710	**0.00310**	**0.00310**	2710	2670	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.786	**0.100**	5.96	3.53
09/13/05	1480	1480	10.8		**0.00250**		0.132	0.115	0.750	0.397	226	225	**0.0775**	**0.0775**	4590	**0.00310**	**0.00310**	2200	2140	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.316**	2.20	
10/28/05	1650	1790	13.9	14.5	**0.000450**		0.147		0.308		210	232	**0.0775**	**0.0775**	5270	**0.00310**	**0.00310**	2680	3000	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.875	0.568	**1.10**	**1.06**
02/08/06	2750	2690	23.0	21.9	**0.000475**		0.327	0.307	0.683		276	275	**0.155**	**0.155**	5340	**0.00310**	**0.00310**	2730	2650	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	4.11	4.79
03/15/06	3330	2840	21.0	17.4	**0.000475**		0.279	0.279	0.270		268	268	**0.155**	**0.155**	5090	**0.00310**	**0.00310**	3040	2600	**0.00250**	0.0106	**0.0155**	**0.0155**	0.625	0.624	3.24	3.68
05/19/06	1330	1460	39.4	34.4	0.00978		0.142	0.147	0.291	0.422	572	580	**0.155**	**0.155**	1780	**0.00310**	**0.00310**	1600	1770	0.0110	**0.00660**	**0.0155**	**0.0155**	0.601	**0.110**	2.29	
06/17/06	1250	1310	12.7	11.1	**0.00250**		0.142	0.169	0.323		182	187	**0.155**	**0.155**	1920	**0.00310**	**0.00310**	2150	2310	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.250**	**0.110**	2.15	1.61
07/24/06	2080	2090	39.5	29.6	**0.000475**		0.225	0.234	0.466	0.619	185	187	**0.155**	**0.155**	4040	**0.00310**	**0.00310**	2440	2550	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.645**	**0.250**	**0.500**	
08/15/06	1410	1190	16.3	8.98	**0.00250**		0.127	0.150	0.368	0.522	123	100	**0.155**	**0.155**	3130	**0.00310**	0.0200	2130	1930	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.75	1.51
09/12/06	1670	1510	14.9	12.9	**0.000475**		0.199	0.168	0.262		194	188	**0.155**	**0.155**	4010	**0.01560**	**0.00310**	2180	2060	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
11/02/06	1650	1880	14.7	13.7	**0.000475**		0.188	0.212	0.356	0.355	178		**0.155**	**0.155**	3120	**0.00310**	**0.0114**	2090	2330	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.730**	**0.500**	
12/12/06	2230	2160	13.0	11.5	**0.000475**		0.239	0.245	0.310	0.419	223	228	**0.155**	**0.155**	4610	**0.00310**	**0.00310**	2330	2330	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.520**	1.97	2.91
01/14/07	2770		18.3		**0.000169**		0.278	0.156	0.344		263		**0.155**	**0.155**	9610	**0.00310**	**0.00310**	2460		**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.566**	**0.155**	4.81	
02/19/07	2640	2690	17.8	17.2	**0.000404**		0.290	0.297	0.477		259	307	**0.155**	**0.155**	5120	**0.00310**	**0.00310**	2380	2620	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.462**	**0.155**	3.30	4.28
03/14/07	2510	2490	11.5	13.2	**0.000169**		0.286	0.288	0.261		221	223	**0.155**	**0.155**	4550	**0.00310**	**0.00310**	2410	2310	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.07	
04/22/07	1360	1360	37.7	35.8	**0.00174**		0.177	0.164	0.283		814	816	**0.155**	**0.155**	2340	**0.00310**	**0.00310**	1590	1620	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.852**	**0.155**	1.97	
05/14/07	1550	1450	14.3	14.9	**0.00120**		0.213	0.203	0.283		426	422	**0.155**	**0.155**	3290	**0.00310**	**0.00310**	1890	1800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.332**	**0.155**	2.75	2.90
06/20/07	1720	1890	14.5	13.4	**0.000169**		0.222	0.254	0.225	0.304	188		**0.155**	**0.155**	4150	**0.00310**	**0.00640**	2120	2290	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.352**	**0.155**	**0.500**	1.33
07/16/07	2160	2110	22.1	18.7	**0.00250**		0.267	0.294	0.405		185	218	**0.155**	**0.155**	4260	**0.00310**	**0.00310**	2650	2590	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.337**	**0.155**	1.09	
08/18/07	1960	2090	22.0	18.3	**0.00250**		0.234	0.258	0.267	0.433	188	227	**0.155**	**0.155**	4590	**0.00310**	**0.00310**	2380	2570	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.557**	**0.479**	1.04	**0.500**
09/19/07	1390	1350	12.1	6.45	**0.00250**		0.163	0.150	0.247	0.275	230	241	**0.155**	**0.155**	3880	**0.00310**	**0.00310**	2400	2380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.707**	**0.329**	1.60	1.72
10/16/07	1620	1670	11.2	9.05	**0.00250**		0.212	0.222	0.292	0.356	205	240	**0.155**	**0.155**	5030	**0.00310**	**0.00310**	2180	2230	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.454**	**0.155**	**0.500**	**0.500**
11/10/07	1510	1550	8.07	6.83	**0.00250**		0.175	0.188	0.238	0.418	147	181	**0.155**	**0.155**	3940	**0.00310**	**0.00310**	2070	2080	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.311**	**0.155**	**0.500**	1.48
12/11/07	1710	1780	9.84	8.95	**0.00121**		0.198	0.228	0.226	0.334	167	205	**0.155**	**0.155**	4930	**0.00310**	**0.00310**	2270	2300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.50
02/21/08	2540	2660	16.7	19.4	**0.000750**		0.291	0.293	0.319		241	261	**0.155**	**0.155**	5660	**0.00310**	**0.00310**	2550	2590	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.382**	**0.155**	1.32	
03/16/08	2250	2460	18.6	18.9	**0.000750**		0.263	0.278	0.356	0.444	193		**0.155**	**0.155**	4710	**0.00310**	**0.00310**	2270	2480	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.336**	**0.155**	**0.500**	
04/22/08	2990	3050	49.1	47.4	**0.000750**		0.185	0.199	0.392		284	302	**0.155**	**0.155**	5690	**0.00310**	**0.00310**	3130	3210	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.364**	**0.155**	**0.500**	1.35
05/18/08	1100	1100	12.8	6.44	**0.00246**		0.125	0.125	**0.100**	0.385	295	305	**0.155**	**0.155**	2710	**0.00310**	**0.00310**	1540	1540	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.364**	**0.155**	1.59	2.40
Mean	1910	1880	21.1	19.4	0.001451	NA	0.212	0.203	0.330	0.396	247	260	0.144	0.138	4260	0.00350	0.00400	2230	2230	0.00640	0.00600	0.107	0.0620	0.450	0.277	2.05	2.71
Median	1710	1840	16.7	16.4	0.000750	NA	0.188	0.194	0.308	0.406	223	237	0.155	0.155	4320	0.00310	0.00310	2270	2310	0.00500	0.00500	0.0500	0.0500	0.382	0.155	1.09	1.56
St. Deviation	630	620	11.5	11.0	0.001738	NA	0.0720	0.0640	0.134	0.118	123	130	0.0550	0.0390	1360	0.00220	0.00310	430	450	0.00520	0.00340	0.231	0.0460	0.208	0.173	3.41	4.60
# of values	39	38	39	37	39	0	39	38	39	22	39	35	39	39	39	39	39	39	38	39	39	39	39	39	39	39	28	
Minimum	887	858	8.07	6.44	0.00015	NA	0.125	0.05	0.1	0.045	123	100	0.0143	0.0143	1680	0.00144	0.00144	1030	1090	0.0021	0.0021	0.0155	0.0155	0.100	0.100	0.235	0.50	
Maximum	3330	3050	49.1	47.4	0.00978	NA	0.437	0.319	0.75	0.619	814	816	0.3875	0.155	9610	0.01560	0.02000	3130	3210	0.03125	0.0125	1.430	0.155	0.875	0.730	21.2	25.4	
% of values undetected	0%	0%	0%	0%	69%		15%	18%	5%	5%	0%	0%	97%	100%	0%	97%	90%	0%	0%	97%	95%	92%	100%	26%	59%	41%	29%	
# of values between MDL and PQL	0	0	0	0	5		1	1	1	0	0	0	1	0	0	1	3	0	0	0	1	2	0	16	7	2	1	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	11.78	11.75	NA	NA	5	4.6	NA	0.1971563	0.168	NA	NA	NA	NA	NA	NA	NA	NA	27.00	26.63	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Laboratory Specific Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Ammonia[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	DOC (Dissolved Organic Carbon)
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
UT146A																										
Sample Date																										
04/30/04	5.81	-0.170	12.91		0.023		16.3	8.44	28.0	26.3	4.60	**1.57**	**6.00**	**0.0460**			**0.0155**	**0.0155**		0.546	**0.0500**	3.52	**0.00125**	**0.00300**	**0.0650**	
05/20/04	6.54	8.91	10.22		0.070	130.0		21.5	70.0	65.0	1.10	**1.57**	12.0				**0.0155**	**0.0155**		0.617	**0.0500**	16.1	**0.00125**	**0.00125**	**0.0650**	
06/17/04	6.67	8.91	10.10		0.107	59.0	4.90	34.4	105.0	60.0	4.60	**3.40**	15.5				**0.0155**	**0.0155**		0.726	0.204	29.8	0.0079	0.00550	**0.0650**	
07/15/04	7.26	15.01	8.79	88.3	0.141	258.0	1.10	41.0	138.0	93.8	1.40	**1.57**	24.0	**0.310**			**0.0155**	**0.0155**		0.741	0.120	36.0	**0.00125**	**0.00125**	**0.0650**	
08/25/04	7.39	14.33	11.60	114.8	0.142	171.0	1.30	50.0	130.0	108.0	1.79	**1.57**	29.0	1.28			**0.0155**	**0.0600**		0.891	**0.0950**	34.6	**0.00125**	**0.00125**	**0.0650**	
09/17/04	7.53	2.54	12.00	88.7	0.145	151.0	3.20	42.0	140.0	105.0	1.30	**1.57**	32.0				**0.0500**	**0.0155**		0.910	0.105	34.0	**0.0026**	**0.00125**	**0.330**	
10/16/04	6.65	4.50	12.58		0.103			29.7	100.0	57.5	1.50	**1.57**	20.5	4.13			**0.0155**	**0.0155**		1.02	**0.0350**	23.3	**0.0030**	**0.0035**	**0.630**	
01/25/05	6.01	0.380	13.45		0.127	52.0	8.50	43.9	120.0	88.8	1.40	**3.50**	23.0	0.850			**0.0155**	0.0542		0.750	**0.0600**	21.0	**0.00125**	**0.00125**	**0.280**	
03/18/05	7.60	0.370		115.9	0.140		4.50	47.4	130.0	87.5	2.31	5.25	27.0	0.240			**0.0155**	0.0486		0.934	**0.0900**	36.4	**0.00125**	**0.00125**	**0.260**	
05/07/05	6.14	1.74	13.22	95.0	0.046	163.8	2.38	15.8	41.0	53.8	2.30	**4.18**	**8.80**	0.350			**0.0380**	0.0750		0.571	**0.0370**	7.95	**0.00125**	**0.00125**	**0.900**	
06/02/05	7.43	8.80	10.45	93.9	0.110	-15.0	5.10	38.5	105.0	78.8	1.40	**2.25**	13.5	0.160			**0.0500**	0.0299		0.619	**0.0590**	29.9	**0.00125**	**0.00125**	**0.160**	
07/09/05	7.01	15.61	7.16	71.9	0.130	-94.8	5.04	48.5	120.0	90.0	2.40	**2.00**	23.5	**0.0815**			**0.0155**	0.0920		0.595	**0.0700**	31.8	**0.00125**	**0.00125**	**0.280**	
08/16/05	7.43	14.35	8.67	84.8	0.135	10.2	3.00	53.9	135.0	103.0	1.20	**2.13**	30.0	**0.096**			**0.0400**	**0.0071**		0.710	**0.0800**	33.9	**0.00125**	**0.00270**	**0.260**	
09/13/05	6.69	7.83	11.02	92.6	0.083	71.9	1.47	32.3	85.0	62.5	1.10	**3.13**	22.0	**0.0155**			**0.0400**	0.0300		1.13	**0.0550**	16.0	**0.00125**	**0.00270**	**0.480**	
10/30/05	6.64	0.170	13.75	94.6	0.121	51.0	2.29	43.6	120.0	96.3	1.50	**2.40**	20.5	0.339			**0.0155**	**0.0130**		0.916	**0.0600**	33.0	**0.00125**	**0.00125**	**0.370**	
02/09/06	7.27	0.040	13.40	92.0	0.074	-19.2	4.08	16.3	47.0	47.5	**0.200**	**3.00**	22.0	0.369			**0.0155**	**0.0092**		0.806	**0.0870**	41.6	**0.00125**	**0.00125**	**0.0295**	
05/19/06	5.85	1.36	9.11	64.7	0.048	199.6	1.59	17.8	47.0	52.5	2.77	**3.50**	**14.0**	0.440	**0.0400**	0.400	**0.0155**	0.0240	**0.0155**	0.969	**0.0340**	8.21	**0.00125**	**0.0025**	**0.440**	
06/17/06	6.50	9.92	7.04	62.2	0.074	87.6	1.79	27.8	70.0	66.3	1.60	**3.25**	11.0	0.150	**0.0155**	0.121	**0.0550**	0.0130	**0.0155**	0.492	**0.0670**	19.5	**0.00125**	**0.00125**	**0.470**	
07/24/06	6.98	8.75	8.29	71.4	0.110	38.2	2.62	45.9	110.0	83.8	2.84	**2.25**	22.0	**0.0665**	**0.0155**	**0.0665**	**0.0510**	0.0125	**0.05**	0.558	**0.0840**	33.2	**0.00105**	**0.0025**	**0.155**	
08/15/06	7.36	8.75	7.38	63.0	0.057	138.3	1.42	22.9	55.0	60.0	2.21	**3.50**	14.0	**0.0320**	**0.0155**	**0.0155**	**0.0155**	0.0120	**0.0155**	0.305	**0.0740**	10.5	**0.00075**	**0.00075**	**0.155**	
09/12/06	6.96	9.49	8.94	78.2	0.101	35.0	1.81	37.8	100.0	86.2	1.20	**1.57**	15.0	0.109	**0.0155**	0.107	**0.0790**	**0.0070**	**0.05**	0.833	**0.0520**	27.6	**0.00075**	**0.00075**	**0.155**	
11/04/06	6.94	0.050	10.18	69.8	0.117	58.9	2.97	42.9	110.0	65.0	3.57	**3.75**	14.0	0.233	**0.0155**	0.219	**0.0500**	0.0180	**0.05**	0.772	**0.0560**	34.5	**0.00075**	**0.00075**	**0.155**	
12/12/06	6.82	0.390	9.70	67.0	0.135		3.01	48.4	110.0	85.0	2.80	**1.57**	22.0	0.207	**0.0155**	0.195	**0.0500**	0.0330		0.743	**0.0750**	38.3	**0.0020**	**0.00075**	**0.155**	
01/14/07	5.65	0.220	11.03	76.0	0.139	67.8	3.67	53.4	120.0	109.0	2.80	**1.57**	36.0	0.200	**0.0155**	0.196	**0.0155**	**0.0050**	**0.0155**	0.769	**0.0910**	38.3	**0.00075**	**0.00075**	**0.155**	
02/19/07	6.66	0.290	11.78	81.5	0.140	68.9	2.75	51.9	130.0	90.0	2.60	**1.57**	24.0	0.252	**0.0155**	0.252	**0.0388**	**0.00155**	**0.05**	0.724	**0.0800**	36.0	**0.0040**	**0.00200**	**0.155**	
04/22/07	5.97	0.370	9.14	63.1	0.040	158.2	2.37	15.5	35.0	30.0	3.84	**1.57**	**3.10**	**0.0525**	**0.0155**	**0.0370**	**0.0155**	0.0180	**0.0155**	0.737	**0.0410**	7.25	**0.00075**	**0.00075**	**0.560**	
05/14/07	6.59	3.70	10.42	79.1	0.062	130.5	2.97	23.3	55.0	42.5	4.85	**1.57**	12.0	0.122			**0.0155**	0.0207		0.632	**0.0570**	13.8	**0.00075**	**0.00075**	**0.370**	
06/20/07	7.21	13.37	7.61	73.0	0.110	40.7	1.50	41.1	110.0	98.7	1.20	**1.57**	16.5	0.192			**0.0500**	**0.0050**		0.654	0.113	33.0	**0.00075**	**0.00075**	**0.155**	1.54
07/16/07	7.13	11.60	7.71	70.9	0.109	18.5	1.62	42.9	110.0	75.0	1.00	**1.57**	21.1	0.108			**0.0155**	0.0113		0.569	**0.0870**	31.7	**0.00075**	**0.00075**	**0.155**	1.90
08/17/07	7.17	13.21	8.29	78.9	0.121	23.6	1.87	47.5	120.0	91.3	1.10	**1.57**	25.4	**0.0660**			**0.0756**	**0.0067**		0.507	**0.0650**	30.3	**0.00075**	**0.00075**	**0.155**	2.33
09/20/07	6.43	7.26	9.20	76.2	0.061	118.2	1.19	26.6	60.0	50.0	1.90	**1.57**	14.0	**0.0420**			**0.0155**	**0.00155**		0.858	**0.0430**	11.0	**0.00075**	**0.00075**	**0.500**	5.78
10/16/07	7.15	0.780	12.90	90.2	0.104	25.7	1.32	40.9	100.0	81.3	1.26	**1.57**	14.9	0.201			**0.0155**	**0.0050**		0.733	**0.0520**	29.6	**0.00075**	**0.00075**	**0.155**	1.29
11/10/07	6.71	0.550	10.82	75.1	0.088	62.5	1.38	32.4	85.0	53.8	1.46	**1.57**	13.7	0.186			**0.0500**	0.0127		0.749	**0.0560**	23.5	**0.00075**	**0.00075**	**0.155**	2.39
12/12/07	7.50	0.060	10.02	68.7	0.113	93.5	1.55	39.4	115.0	58.8	1.20	**1.57**	16.1	0.244			**0.0155**	0.0102		0.626	**0.0580**	30.7	**0.00075**	**0.00075**	**0.155**	1.29
01/27/08	6.47	0.140	10.79	74.4	0.124	77.1	2.73	49.4	142.0	97.5	1.01	**1.57**	24.4	0.184			**0.0155**	**0.0042**		0.639	**0.0720**	35.2	**0.00075**	**0.00075**	**0.155**	0.923
02/24/08	7.54	0.220	10.65	74.1	0.139	68.8	1.27	52.2	145.0	110.0	1.82	**3.90**	28.5	0.115			**0.0343**	**0.0050**		0.671	**0.0740**	35.4	**0.0025**	**0.00075**	**0.155**	0.637
03/14/08	7.19	0.270	10.01	69.0	0.138	121.0	5.48	45.6	141.0	104.0	1.32	11.1	30.8	0.246			**0.0421**	0.0137		0.671	**0.0770**	34.2	**0.00075**	**0.00075**	**0.155**	0.954
04/22/08	7.37	-0.020	11.50	79.1	0.151	145.9	14.8	54.2	151.0	108.0	10.0	**6.66**	37.8	0.198			**0.0155**	0.0110		3.82	**0.0720**	28.5	**0.0016**	**0.00075**	**0.155**	2.96
05/18/08	7.12	0.610	9.48	66.0	0.047	180.4	6.57	15.8	50.5	46.3	3.19	**3.68**	10.1	0.240			0.152	0.0161		0.480	**0.0770**	8.80	**0.0025**	**0.00250**	**0.520**	3.33
06/13/08	7.85	5.94	9.09	73.1	0.070	124.6	2.47	27.5	76.5	57.5	1.72	**1.57**	11.1	0.691			**0.0500**	**0.00155**		0.521	**0.0450**	21.5	**0.00075**	**0.00075**	**0.155**	2.15
07/17/08	7.10	8.15	6.17	52.3	0.111	77.1	1.49	41.3	87.2	82.5	2.49	**3.25**	17.6	0.100			**0.0155**	0.0136		0.412	**0.0640**	28.4	**0.0025**	**0.00075**	**0.155**	2.21
08/20/08	7.26	10.94	7.08	64.1	0.131	32.4	1.82	47.7	129.0	92.5	**0.412**	**1.57**	24.5	0.118			**0.0500**	**0.0058**		0.621	**0.0850**	35.9	**0.0025**	**0.00075**	**0.155**	1.28
09/19/08	6.56	7.00	8.37	68.9	0.069	137.5	1.76	27.2	75.3	65.0	1.50	**3.98**	17.4	**0.0875**			**0.0500**	0.0112		0.935	**0.0520**	12.3	**0.00075**	**0.00075**	**0.690**	6.34
10/18/08	6.22	0.960	10.73	75.4	0.102	114.9	0.910	38.5	104.0	86.3	1.06	**1.57**	16.9	0.155			**0.0155**	**0.00155**		0.813	**0.0570**	25.7	**0.00075**	**0.00075**	**0.155**	1.79
11/19/08	7.27	0.080	11.38	78.0	0.126	81.1	2.50	44.0	131.0	93.8	1.62	**3.52**	20.6	0.265			**0.0500**	0.0103		0.652	**0.0560**	34.5	**0.00075**	**0.00075**	**0.155**	0.874
12/07/08	6.89	0.100	12.99	89.1	0.109	68.0	1.96	38.7	113.0	71.3	1.74	**4.34**	22.3	0.182			**0.0500**	**0.0056**		0.765	0.156	25.8	**0.00075**	**0.00075**	**0.155**	1.84
Mean	6.88	4.95	10.20	78.2	0.103	85.3	3.28	37.1	100.0	76.5	2.10	2.70	20.0	0.320	0.0180	0.161	0.0341	0.0180	0.0300	0.776	0.0720	26.3	0.0014	0.00132	0.248	2.20
Median	6.97	2.14	10.18	75.4	0.110	74.5	2.38	41.0	110.0	81.9	1.60	1.79	21.0	0.186	0.0155	0.158	0.0155	0.0130	0.0200	0.725	0.0660	29.9	0.0013	0.00075	0.155	1.84
St. Deviation	0.530	5.27	2.000	13.3	0.034	66.1	3.15	12.3	33.3	22.1	1.60	1.75	8.00	0.638	0.0077	0.116	0.0257	0.0190	0.0200	0.487	0.0310	10.3	0.0012	0.00096	0.189	1.54
# of values	46	46	45	41	46	42	44	46	46	46	46	46	46	43	10	10	46	46	9	46	46	46	46	46	46	19
Minimum	5.65	-0.17	6.17	52.3	0.023	-94.8	0.9	8.44	28.0	26.3	0.2	1.57	3.1	0.0155	0.0155	0.0155	0.0155	0.00155	0.0155	0.305	0.034	3.52	0.00075	0.00075	0.0295	0.637
Maximum	7.85	15.61	13.75	115.9	0.151	258	16.3	54.2	151.0	110	10.0	11.1	37.8	4.13	0.0400	0.400	0.152	0.0920	0.050	3.820	0.204	41.6	0.0079	0.0055	0.900	6.34
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	2%	5%	90%	10%	76%	28%	100%	0%	4%	0%	87%	87%	65%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	21	3	9	1	2	10	10	0	0	39	0	5	5	16	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	6.98	NA	NA	230	NA	NA	NA	0.0052	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
% of CALC exceedences	20%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%
% of DWS exceedences	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT146A																												
Sample Date																												
04/30/04	220	54.7	**0.0385**	0.224	**0.125**	**0.125**	3.15	3.22	**0.0177**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2120	2370	**0.177**	**0.179**	0.412	0.487	1.54	0.967	583.0	224.0	**0.0500**	
05/20/04	211	136.0	**0.0385**	**0.100**	**0.250**	**0.125**	6.87	5.24	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	5920	5900	**0.100**	**0.0500**	0.544		2.61	1.90	414.0	260.0	**0.0500**	**0.0500**
06/17/04	296	**12.5**	**0.100**		**0.125**	**0.125**	10.6	10.4	**0.0151**	0.0328	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**		9460	9140	**0.194**		1.37		3.80	1.96	890.0	173.0	**0.0500**	
07/15/04	74.8	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	10.6	11.2	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0500**	**0.0155**	11000	11500	0.212	**0.0500**	0.645		1.60	0.903	471.0	225.0	**0.0500**	**0.0500**
08/25/04	43.1	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	11.1	10.4	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	14100	12400	**0.154**	**0.170**	0.735		1.40	0.983	706.0	294.0	**0.0500**	**0.0500**
09/17/04	56.9	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	9.84	11.1	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	11100	15500	**0.144**	0.221	0.834		0.920	0.696	750.0	386.0	**0.0500**	**0.0500**
10/16/04	157	29.7	**0.0385**	**0.0385**	**0.125**	**0.125**	8.43	8.06	**0.00750**	**0.00750**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	7810	7980	**0.0500**	**0.100**	0.962		1.52	0.584	481.0	269.0	**0.0500**	**0.0500**
01/25/05	380	51.5	0.0128	0.0162	**0.125**	**0.125**	11.6	8.74	0.0352	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	0.0500	0.0540	11500	11000	0.472	0.502	1.60	1.13	3.24	0.938	516.0	202.0	**0.0155**	**0.0834**
03/18/05	365	10.4	**0.00405**	**0.00405**	0.153	0.0888	11.6	11.0	0.0260	0.0131	**0.00384**	**0.00384**	2.40	2.62	0.0227	0.0248	12800	13400	**0.0881**	**0.0357**	1.77	1.68	2.97	0.447	523.0	240.0	**0.0110**	**0.0350**
05/07/05	194	91.3	**0.00405**	**0.0100**	0.148	0.123	4.75	4.76	0.0116	**0.00684**	**0.00384**	**0.00384**	6.27	3.61	**0.00707**	**0.00984**	4290	4170	**0.0992**	**0.0357**	0.434	0.335	2.42	2.02	412.0	197.0	**0.0350**	
06/02/05	141	16.4	0.0142	0.0146	**0.125**	**0.125**	9.46	8.45	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	10700	9990	**0.100**	**0.100**	0.947	0.822	2.38	1.01	376.0	42.2	**0.0155**	
07/09/05	120	12.2	**0.00155**	**0.00155**	**0.125**	**0.125**	11.9	11.9	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	13100	13500	0.371	0.448	1.11	0.986	1.95	0.872	637.0	54.5	**0.0155**	**0.0500**
08/16/05	77.8	9.93	**0.00520**	**0.00155**	**0.125**	**0.331**	11.5	10.8	**0.00750**	**0.00750**	**0.00155**	**0.00380**	**5.00**	**1.55**	**0.00775**	**0.00775**	14800	14300	0.523		0.847	0.679	1.58	0.853	842.0	47.2	**0.0500**	
09/13/05	162	49.2	0.0114	**0.00500**	**0.125**	**0.125**	9.43	8.69	**0.0244**	**0.0158**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8440	7940	0.837	0.915	0.877	0.805	1.99	1.04	596.0	272.0	**0.0155**	
10/30/05	281	16.1	0.0144	**0.00540**	**0.125**	**0.125**	10.2	9.96	**0.00750**	**0.00750**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	11500	11800	0.399	0.460	1.39	1.35	2.40	0.865	496.0	194.0	**0.0155**	
02/09/06	10.9	4.50	**0.0220**	**0.00750**	**0.155**	**0.155**	2.36	2.09	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	5000	4970	0.302	0.454	0.0306	0.0388	0.300	0.29	77.1	23.6	0.193	0.227
05/19/06	275	95.2	**0.0250**	**0.0250**	**0.155**	**0.155**	5.91	4.83	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	4630	4140	0.492		0.830	0.631	2.53	1.63	771.0	314.0	0.126	
06/17/06	259	36.8	**0.00750**	**0.00750**	**0.155**	**0.155**	8.24	7.49	**0.0120**	**0.0120**	**0.00750**	**0.00750**	**0.750**	**0.750**	**0.0125**	**0.0125**	7620	7570	0.407		0.923	0.804	3.72	1.94	572.0	102.0	1.30	0.361
07/24/06	267	10.5	**0.00750**	**0.0186**	**0.155**	**0.155**	12.6	11.1	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	12600	12900	0.516	0.318	1.76	1.51	3.00	0.699	907.0	107.0	**0.0155**	
08/15/06	246	77.8	**0.0450**	**0.00750**	**0.155**	**0.155**	7.66	7.53	**0.0125**	**0.0270**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	6410	5850	**0.050**		0.818	0.679	2.63	1.73	563.0	238.0	**0.0500**	0.146
09/12/06	139	18.4	**0.00750**	**0.0162**	**0.155**	**0.155**	9.95	9.62	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0185**	**0.0185**	10500	10400	**0.050**		1.13	1.07	2.33	0.975	556.0	173.0	**0.0155**	
11/04/06	381	17.4	**0.0250**	**0.0250**	**0.155**	**0.155**	11.1	11.9	0.0582	**0.0294**	**0.0342**	**0.0270**	**1.25**	**1.25**	0.0542	**0.0185**	11800	12100	**0.050**	**0.0500**	1.61	1.54	4.23	0.849	648.0	285.0	**0.0500**	**0.0500**
12/12/06	615	14.0	**0.00750**	**0.0154**	**0.155**	**0.155**	11.8	13.1	**0.0344**	**0.0125**	**0.00750**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	13000	11900	**0.050**	**0.0500**	2.15	1.97	5.42	1.15	599.0	237.0	**0.0500**	0.138
01/14/07	587	4.22	**0.00750**	**0.0250**	**0.155**	**0.155**	12.6	6.26	**0.0360**	0.0512	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0332**	**0.00750**	14600	13700	0.330	0.225	2.08	0.0514	4.88	0.233	686.0	82.0	**0.0734**	**0.0155**
02/19/07	463	16.7	**0.00750**	**0.0250**	**0.155**	**0.155**	11.9	12.9	**0.0464**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**2.77**	**0.0222**	**0.0262**	14200	15300	**0.100**	0.213	1.91	2.00	3.94	0.747	548.0	248.0	1.06	**0.0500**
04/22/07	299	71.0	**0.00750**		**0.155**	**0.155**	5.46	4.94	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	0.0554	4090	4010	0.273	**0.137**	0.722	0.680	2.17	2.32	610.0	282.0	**0.0502**	
05/14/07	341	51.1	**0.00750**	**0.00750**	**0.155**	**0.155**	7.26	6.61	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0190**	**0.0412**	6230	6110	0.294	0.242	0.958	0.853	3.05	2.21	916.0	226.0	**0.0500**	**0.0500**
06/20/07	131	17.8	**0.0250**	**0.0250**	**0.155**	**0.155**	10.8	11.3	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**2.50**	**1.25**	**0.0286**	**0.0166**	11100	11000	0.724	0.326	1.02	0.941	1.96	0.844	428.0	129.0	0.251	**0.0500**
07/16/07	135	20.3	**0.0250**	**0.0250**	**0.155**	**0.155**	11.3	11.1	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**3.40**	**2.83**	**0.0246**	**0.00750**	11600	11500	**0.158**	0.200	1.10	1.02	2.01	0.939	488.0	212.0	0.322	0.368
08/17/07	86.8	11.1	**0.0150**	**0.0150**	**0.155**	**0.155**	11.3	9.62	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**2.97**	**2.71**	**0.00750**	**0.00750**	13000	11300	0.268	**0.162**	0.702	0.497	1.43	1.48	707.0	120.0	**0.0155**	**0.0500**
09/20/07	126	54.3	**0.00750**	**0.00750**	**0.155**	**0.155**	7.97	8.12	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7150	7320	0.298	0.361	0.385	0.279	1.11	0.927	390.0	210.0	**0.0155**	**0.0155**
10/16/07	139	21.7	**0.00750**	**0.00750**	**0.155**	**0.155**	9.68	9.26	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0154**	**0.00750**	11400	10700	0.311	0.334	0.884	0.779	1.71	0.650	350.0	205.0	**0.0155**	**0.0155**
11/10/07	238	29.7	**0.00750**	**0.0186**	**0.155**	**0.155**	8.17	8.85	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0186**	**0.00750**	8940	9520	**0.100**		0.779	0.715	2.21	0.877	324.0	168.0	**0.0155**	**0.0155**
12/12/07	269	23.3	**0.00750**	**0.0194**	**0.155**	**0.155**	9.96	10.5	**0.0302**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0234**	**0.00750**	10900	11100	0.253	**0.0500**	1.10	1.02	2.84	0.825	336.0	146.0	**0.0500**	**0.0155**
01/27/08	209	26.6	**0.00750**	**0.00750**	**0.155**	**0.155**	12.3	12.9	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0250**	**0.0282**	13500	14200	0.233	0.313	1.43	1.44	2.22	1.11	396.0	190.0	**0.0155**	**0.0500**
02/24/08	184	28.7	**0.00750**	**0.00750**	**0.155**	**0.155**	11.4	11.7	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0250**	**0.0250**	14200	14300	0.353	0.457	1.43	1.37	1.94	0.987	374.0	188.0	**0.0155**	**0.0155**
03/14/08	113	9.21	**0.00750**	**0.0228**	**0.155**	**0.155**	10.1	10.8	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0168**	**0.0172**	12400	12700	**0.0500**	**0.0500**	1.07	1.05	1.23	0.714	312.0	159.0	**0.0155**	**0.0404**
04/22/08	497	25.1	**0.0378**	**0.0398**	**0.155**	**0.155**	17.6	12.9	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0174**	**0.0234**	14100	13900	0.631	**0.100**	1.05	0.846	4.21	1.35	709.0	242.0	**0.0500**	**0.0500**
05/18/08	349	137.0	**0.00750**	**0.0167**	**0.155**	**0.155**	5.74	5.25	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0250**	4150	4510	0.227	**0.100**	0.559	0.493	3.02	2.14	629.0	362.0	**0.0500**	**0.0500**
06/13/08	294	48.1	**0.00750**	**0.00750**	**0.155**	**0.155**	7.50	8.28	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0250**	7460	8260	0.204	0.237	0.692	0.705	3.57	2.26	399.0	106.0	**0.0500**	**0.0155**
07/17/08	138	12.3	**0.00750**	**0.00750**	**0.155**	**0.155**	11.5	11.0	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	11300	10900	**0.100**	**0.0500**	0.943	0.770	1.98	1.40	547.0	112.0	**0.0155**	**0.0155**
08/20/08	49.6	11.9	**0.00750**	**0.00750**	**0.155**	**0.155**	12.2	12.5	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	12900	13100	**0.0500**	0.244	0.665	0.586	1.18	0.794	524.0	219.0	**0.0155**	**0.0155**
09/19/08	117	39.5	**0.00750**	**0.00750**	**0.155**	**0.155**	8.06	7.37	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.00750**	7270	7160	0.287	0.358	0.495	0.378	1.20	0.960	476.0	188.0	**0.0155**	**0.0374**
10/18/08	126	19.7	**0.00750**	**0.00750**	**0.155**	**0.155**	9.65	8.82	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.0158**	**0.00750**	10500	9720	0.499	**0.193**	0.913	0.805	1.74	0.665	391.0	217.0	**0.0155**	**0.0155**
11/19/08	210	11.5	**0.00750**	**0.00750**	**0.155**	**0.155**	10.9	11.3	**0.0125**	**0.0125**	**0.0160**	**0.00750**	**1.25**	**1.25**	**0.0186**	**0.0151**	12000	12400	0.261		1.09	1.10	2.21	0.612	443.0	165.0	**0.0155**	**0.0155**
12/07/08	230	29.6	**0.00750**	**0.00750**	**0.155**	**0.155**	9.31	9.51	**0.0125**	**0.0125**	**0.00750**	**0.00750**	**1.25**	**1.25**	**0.00750**	**0.0176**	10300	10500	**0.0500**	**0.0500**	0.991	0.948	2.12	0.971	490.0	203.0	**0.0155**	**0.0360**
Mean	224	33.1	0.0172	0.0220	0.149	0.149	9.60	9.20	0.0158	0.0132	0.1203	0.1204	1.62	1.48	0.0174	0.0166	10100	10100	0.259	0.225	1.02	0.896	2.40	1.12	540.0	194.0	0.0985	0.0669
Median	210	20.0	0.00750	0.0150	0.155	0.155	10.0	9.62	0.0125	0.0125	0.007500	0.007500	1.25	1.25	0.0155	0.0155	11100	11000	0.230	0.197	0.945	0.814	2.21	0.950	524.0	203.0	0.0500	0.0500
St. Deviation	138	31.5	0.0176	0.0350	0.020	0.0320	2.80	2.72	0.0107	0.00770	0.2698	0.2697	1.00	0.550	0.0112	0.0112	3300	3400	0.191	0.183	0.456	0.454	1.07	0.540	173.0	80.0	0.242	0.0859
# of values	46	46	46	44	46	46	46	46	46	46	46	46	46	46	46	45	46	46	46	38	46	40	46	46	46	46	46	35
Minimum	10.9	4.22	0.00155	0.00155	0.125	0.0888	2.36	2.09	0.0075	0.00684	0.00155	0.00155	0.750	0.750	0.00707	0.0075	2120	2370	0.05	0.03565	0.0306	0.0388	0.3	0.233	77.1	23.6	0.011	0.0155
Maximum	615	137	0.100	0.224	0.250	0.331	17.6	13.1	0.0582	0.0512	0.750	0.750	6.27	3.61	0.0542	0.0554	14800	15500	0.837	0.915	2.15	2	5.42	2.32	916	386	1.3	0.368
% of values undetected	0%	9%	80%	70%	96%	93%	0%	0%	76%	85%	96%	96%	89%	89%	63%	73%	0%	0%	28%	37%	0%	0%	0%	0%	0%	0%	83%	74%
# of values between MDL and PQL	0	0	5	10	0	1	0	0	7	4	2	2	3	3	14	9	0	0	7	5	0	0	0	0	0	0	2	4
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.069	0.068	NA	NA	10.98	10.56276	NA	NA	1.928	1.851	1000	1000	0.304	0.322
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	85%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%	17%	0%	0%	7%	6%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
			0.026	0.028																								
			1.605	0.041																								

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	d	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
UT146A																													
Sample Date																													
04/30/04	761	761	55.4	48.2	0.00360		**0.155**	**0.155**	0.580	0.592	430	405	**0.155**	**0.155**	1510	**0.00310**	**0.00310**	945	1020	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	3.08	3.86
05/20/04	1630	1630	43.5	42.8	0.00210		**0.155**	**0.155**	1.25	1.25	606	576	**0.155**	**0.155**	4640	**0.00310**	**0.00310**	2300	2360	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.200**	2.85	2.44
06/17/04	2630	2350	92.6	77.3	0.00130		**0.155**		2.48	2.71	665	636	**0.155**	**0.155**	7280	**0.00310**		3390	3110	**0.0125**		**0.155**	**0.155**	**0.125**		5.27	5.88
07/15/04	3290	3640	76.2	84.7	**0.000500**		**0.155**	**0.155**	1.93	2.20	895	1010	**0.155**	**0.155**	9360	**0.00310**	**0.00310**	3800	4140	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.89	1.84
08/25/04	3580	3510	104.0	96.1	**0.000500**		**0.155**	**0.155**	1.83	1.67	1080	1060	**0.155**	**0.155**	9700	**0.00310**	**0.00310**	4020	3800	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.54	1.53
09/17/04	3450	4670	135.0	136.0	**0.000500**		**0.155**	**0.155**	1.76	2.06	947	1100	**0.155**	**0.155**	9890	**0.00310**	**0.00310**	3700	4460	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.76	
10/16/04	2480	2480	89.3	88.3	0.00120		**0.155**	**0.155**	1.72	1.95	610	612	**0.155**	**0.155**	7070	**0.00310**	**0.00310**	3060	3080	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	4.44	3.18
01/25/05	3710	3470	102.0	67.5	**0.000500**		0.128	0.119	2.65	2.08	834	715	**0.234**	**0.183**	8390	**0.00310**	**0.00310**	4350	5220	**0.0031**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	4.68	
03/18/05	3750	3790	126.0	135.0	**0.000147**		**0.0500**	0.150	3.23	3.02	1030	964	0.102	0.110	3600	**0.00144**	**0.00144**	4090	3790	**0.00500**	**0.00213**	0.319	**0.100**	0.125	0.0558	5.38	
05/07/05	1240	1160	43.9	33.4	**0.000147**		**0.0169**	**0.0939**	0.762		561	556	**0.0785**	**0.0760**	3830	**0.00144**	**0.00144**	1820	1490	**0.00444**	**0.00213**	**0.0302**	**0.0719**	0.230	0.0939	1.59	2.41
06/02/05	2880	2750	55.1	48.5	**0.000450**		0.0776	0.0670	2.23	2.20	892	833	**0.0775**	**0.0775**	7530	**0.00310**	**0.00310**	3890	3730	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	3.57	3.19
07/09/05	3870	4060	92.3	88.1	**0.00250**		0.0496	0.0252	2.59	2.65	908	957	**0.0775**	**0.0775**	9060	**0.00310**	**0.00310**	4580	4870	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	5.90	
08/16/05	4130	4010	109.0	94.7	**0.000450**		0.101	0.0972	2.25	2.27	1120	1090	**0.0775**	**0.0775**	9270	**0.00310**	**0.00310**	4640	4620	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	4.16	2.82
09/13/05	2770	2620	73.8	67.7	**0.000450**		0.0294	0.0366	1.97	2.15	751	710	**0.0775**	**0.0775**	6720	**0.00310**	**0.00310**	3400	3250	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.100**	**0.100**	4.97	3.36
10/30/05	3590	3610	98.3	98.2	**0.00119**		0.068	0.0686	2.66	2.96	836	853	**0.0775**	**0.0775**	9910	**0.00310**	**0.00310**	4430	4490	**0.00310**	**0.00310**	**0.0310**	**0.0310**	**0.327**	**0.100**	4.60	4.65
02/09/06	917	892	5.08	3.33	**0.000475**		0.215	0.228	0.26		244	226	**0.155**	**0.155**	4180	**0.00310**	**0.00310**	3240	2510	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.250**	**0.110**	4.76	1.25
05/19/06	1510	1390	116.0	90.0	**0.00250**		0.0772	0.0692	1.08		1010	915	**0.155**	**0.155**	2460	**0.00310**	**0.00310**	1920	1890	0.0168	0.0132	**0.0155**	**0.0155**	**0.415**	**0.110**	4.28	
06/17/06	2130	2190	66.3	59.6	**0.00250**		0.0706	0.0866	1.82	2.04	713	712	**0.155**	**0.155**	1540	**0.0136**	**0.00310**	2960	3210	0.0126	**0.00250**	**0.0155**	**0.0155**	**0.250**	**0.110**	3.42	3.03
07/24/06	3480	3300	133.0	117.0	**0.000475**		0.101	0.106	3.51	3.12	914	943	**0.155**	**0.155**	7630	**0.00310**	**0.00310**	4040	3990	**0.0130**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	5.86	4.59
08/15/06	2030	1860	52.5	45.1	**0.00250**		0.0770	0.0512	1.65	1.73	372	359	**0.155**	**0.155**	4490	**0.00310**	**0.00310**	2730	2610	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	4.03	
09/12/06	2840	2830	85.5	87.7	**0.000475**		0.0686	0.0706	2.22	2.46	807	812	**0.155**	**0.155**	7490	0.0274	**0.00310**	3510	3620	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	3.38	4.31
11/04/06	3250	3360	95.6	93.3	**0.000475**		0.143	0.0962	2.47	2.56	827	835	**0.155**	**0.155**	10100	**0.00310**	**0.0108**	4160	4260	**0.0198**	**0.0176**	**0.0500**	**0.0500**	**0.711**	**0.250**	4.18	
12/12/06	3890	3570	118.0	106.0	**0.000475**		0.109	0.121	3.65	3.57	1010	936	**0.155**	**0.155**	9000	**0.00310**	**0.00310**	4310	4040	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	7.25	7.61
01/14/07	4130	2980	128.0	15.7	**0.000446**		0.143		4.01	0.459	1040	292	**0.155**	**0.155**	5300	**0.00310**	**0.00310**	4080	2690	**0.0100**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	17.3	5.05
02/19/07	4000	4250	139.0	141.0	**0.000169**		0.139	0.148	3.73	3.82	1110	1200	**0.155**	**0.155**	9630	**0.00310**	**0.0156**	4230	4580	**0.0120**	**0.0118**	**0.0500**	**0.0500**	**0.155**	**0.155**	7.61	8.35
04/22/07	1280	1270	74.4	67.3	**0.00250**		0.0782	0.0724	1.14		966	969	**0.155**	**0.155**	2430	**0.00310**	**0.00310**	1490	1510	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.24	
05/14/07	1880	1900	88.4	83.2	**0.00135**		0.146	0.128	1.55		903	894	**0.155**	**0.155**	4230	**0.00980**	**0.00310**	2200	2250	**0.0116**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.23	
06/20/07	3250	3540	85.9	83.4	**0.000169**		0.122	0.140	2.46	2.34	935	982	**0.155**	**0.155**	8690	0.0206	**0.00310**	3840	4150	**0.0172**	**0.0114**	**0.0500**	**0.0500**	**0.155**	**0.155**	5.39	2.63
07/16/07	3400	3400	105.0	99.3	**0.00250**		0.114	0.128	2.71	2.77	852	870	**0.155**	**0.155**	7880	**0.00310**	**0.00310**	4010	3960	**0.0144**	**0.0134**	**0.0500**	**0.0500**	**0.155**	**0.155**	6.35	4.00
08/17/07	3660	3180	118.0	91.8	**0.00250**		0.137	0.130	1.88	1.78	912	815	**0.155**	**0.155**	7170	**0.00310**	**0.00310**	4370	3830	**0.0104**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.93	3.40
09/20/07	2130	2140	36.5	28.2	**0.00250**		0.0680	0.0838	0.940	1.01	556	578	**0.155**	**0.155**	5390	**0.00310**	**0.00310**	3050	3060	**0.00500**	**0.0106**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.31	2.84
10/16/07	3020	2900	69.1	62.8	**0.00250**		0.0880	0.0930	1.85	1.70	782	766	**0.155**	**0.155**	8840	**0.00310**	**0.00310**	4000	3830	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.15	2.61
11/10/07	2440	2530	52.4	48.0	**0.00250**		0.0720	0.108	1.65	1.92	600	652	**0.155**	**0.155**	7530	**0.00310**	**0.00310**	3170	3310	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.76	2.30
12/12/07	2940	3070	67.8	63.9	**0.000387**		0.090	0.104	2.37	2.34	741	781	**0.155**	**0.155**	9000	**0.00310**	**0.00310**	3810	3860	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	4.09	3.05
01/27/08	3810	3990	102.0	104.0	**0.000750**		0.108	0.110	3.19	3.20	953	1010	**0.155**	**0.155**	10600	**0.00310**	**0.00310**	4080	4300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	5.44	5.87
02/24/08	4070	4100	112.0	113.0	**0.000750**		0.131	0.168	3.07	3.34	1030	1060	**0.155**	**0.155**	10100	**0.00310**	**0.00310**	4280	4380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	5.09	5.95
03/14/08	3550	3570	98.7	97.6	**0.000750**		0.122	0.138	2.58	2.67	807	806	**0.155**	**0.155**	8020	**0.00310**	**0.00310**	3750	3830	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	4.24	
04/22/08	4600	4370	130.0	117.0	**0.000750**		0.185	0.0800	2.31	2.31	1360	1200	**0.155**	**0.155**	8820	0.101	**0.00310**	6840	6730	**0.0116**	**0.00500**	**0.0500**	**0.0500**	1.14	**0.155**	6.31	6.10
05/18/08	1330	1420	44.4	44.2	**0.00277**		0.0682	0.0608	0.914	1.06	636	670	**0.155**	**0.155**	3370	0.0241	**0.00310**	1620	1860	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.512**	**0.155**	3.14	
06/13/08	2150	2400	44.4	45.1	**0.00233**		0.0808	0.0894	1.50	1.64	718	791	**0.155**	**0.155**	7070	**0.00310**	**0.00310**	3010	3340	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.88	2.85
07/17/08	3190	3060	83.6	70.9	**0.000750**		0.0810	0.0865	2.21	2.06	750	737	**0.155**	**0.155**	8010	**0.00310**	**0.00310**	3890	3680	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.33	2.94
08/20/08	3800	3740	107.0	101.0	**0.000750**		0.110	0.0901	1.74	2.00	992	1010	**0.155**	**0.155**	9250	**0.00310**	**0.00310**	4250	4300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.41	
09/19/08	2200	2210	50.0	39.6	**0.000750**		**0.00750**	**0.0443**	1.14	1.11	537	536	**0.155**	**0.155**	5050	**0.00310**	**0.00310**	2910	3030	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.04	
10/18/08	2990	2830	78.3	69.4	**0.000750**		0.0764	0.0670	1.97	1.83	729	690	**0.155**	**0.155**	7670	**0.00310**	**0.00310**	3820	3580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.75	4.42
11/19/08	3390	3550	85.0	86.0	**0.00156**		0.103	**0.0415**	2.66	2.80	868	884	**0.155**	**0.155**	9700	**0.00310**	**0.00310**	3970	4220	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	5.25	4.22
12/07/08	3170	3240	90.2	87.6	**0.00155**		0.0726	0.0777	2.21	2.30	699	744	**0.155**	**0.155**	8030	**0.00310**	**0.00310**	3700	3790	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	4.16	
Mean	2920	2900	86.1	77.6	0.00124	NA	0.105	0.105	2.09	2.19	816	799	0.145	0.144	7100	0.00690	0.00350	3560	3560	0.00790	0.00660	0.0670	0.0630	0.208	0.149	4.40	3.83
Median	3180	3070	88.9	84.1	0.000750	NA	0.102	0.0967	2.09	2.20	835	814	0.155	0.155	7650	0.00310	0.00310	3820	3790	0.00500	0.00500	0.0500	0.0500	0.155	0.155	4.13	3.28
St. Deviation	960	980	30.5	31.1	0.000950	NA	0.0440	0.0424	0.840	0.750	213	224	0.0300	0.0270	2530	0.0152	0.00220	1020	1060	0.00460	0.00400	0.0560	0.0420	0.180	0.0450	2.40	1.68
# of values	46	46	46	46	46	0	46	44	46	41	46	46	46	46	46	46	45	46	46	46	45	46	46	46	45	46	32	
Minimum	761	761	5.08	3.33	0.000147	NA	0.0075	0.0252	0.26	0.459	244	226	0.0775	0.076	1510	0.001435	0.001435	945	1020	0.0025	0.002125	0.0155	0.0155	0.1	0.0558	1.54	1.25	
Maximum	4600	4670	139	141	0.0036	NA	0.215	0.228	4.01	3.82	1360	1200	0.234	0.183	10600	0.101	0.0156	6840	6730	0.0198	0.0176	0.319	0.155	1.14	0.25	17.3	8.35	
% of values undetected	0%	0%	0%	0%	74%		22%	14%	0%	0%	0%	0%	93%	93%	0%	87%	96%	0%	0%	76%	87%	98%	98%	85%	96%	0%	0%	
# of values between MDL and PQL	0	0	0	0	8		0	3	0	0	0	0	2	2	0	2	2	0	0	9	5	0	1	4	0	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	10.95	10.92	NA	NA	5	4.6	NA	0.1698596	0.144	NA	NA	NA	NA	NA	NA	NA	NA	25.09	24.74	
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	
% of CALC exceedences	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
% of DWS exceedences	0%	0%	85%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Key:

Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

Footnotes:

(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																											
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
KR100A																											
Sample Date																											
04/29/04	7.31	0.81	12.82		0.034	180.0		13.0	38.0	38.8	18.9	**1.57**	13.5	0.0840			0.0630		0.936	0.0155	2.22	0.00125	0.00125	0.065			0.0155
05/18/04	6.70	6.20				76.0		10.1	31.0	32.5	2.30	**1.57**	11.5	0.0370			0.0155		0.704	0.0440	2.09	0.00125	0.00125	0.065			0.0155
05/21/04	6.95	8.03	10.71		0.041	183.0																					
06/15/04	6.89	8.11	10.86		0.048	271.0		14.3	50.0	50.0	1.41	**1.57**	18.0				0.0155		0.801	0.0360	3.11	0.0036	0.00125	0.065			0.050
07/14/04	6.86	11.14	10.24	94.3	0.052	246.0	2.1	15.9	50.0	41.3	0.90	**1.57**	20.0	**0.310**			0.0155		0.825	0.090	3.06	0.00125	0.00125	0.065			0.0155
08/27/04	7.03	8.41	12.84	110.9	0.052	177.0	1.2	16.5	50.0	45.0	0.80	**1.57**	21.0	0.540			0.0155		0.921	0.033	2.77	0.00125	0.00125	0.065			0.0155
09/15/04	6.84	7.00			0.051	63.0		16.5	45.0	45.0	1.00	**1.57**	20.3	**0.155**			0.0155		0.946	0.1160	2.93	0.00125	0.00125	0.230			0.038
10/17/04	6.99	3.40	14.8	106.0				13.7	44.0	13.8	0.80	**1.57**	15.0	0.840			0.0155		1.06	0.0155	3.36	0.00125	0.00125	0.150			0.0155
03/19/05	7.58	0.20		108.7		70.0	2.2	17.9	42.5	21.2	1.10	**3.25**	17.0	0.040			0.0107		0.954	0.0155	3.04	0.00125	0.00125	0.200			0.0155
06/03/05	6.59	9.00	11.57	100.1	0.039	157.2	0.61	14.2	37.0	42.5	1.40	**1.75**	14.0	0.110			0.0270		0.675	0.0155	2.71	0.00125	0.00125	0.091			0.050
07/12/05	5.98	10.73	5.49		0.045		0.69	17.6	41.5	28.8	3.10	**2.00**	20.0	0.938			0.0595		0.663	0.0155	2.59	0.00125	0.00125	0.340			0.0155
08/17/05	6.58	10.70	9.90	89.2	0.048	168.7	1.08	18.8	45.0	35.0	1.96	**3.00**	21.5	1.410			0.0130		0.731	0.0155	2.64	0.0120	0.0170	0.580			0.041
09/15/05	6.34	9.25	10.52	91.5	0.040	135.8	1.87	17.4	43.5	41.3	2.24	**2.25**	15.0	0.072			0.0057		0.856	0.0155	2.81	0.00125	0.00125	0.370			0.0155
10/31/05	6.90	0.15	13.76	94.1	0.048	170.4		19.9	55.0	38.8	0.80	**2.60**	20.5	0.160			0.0130		0.881	0.046	3.42	0.0025	0.0025	0.330			0.0155
03/15/06	6.51	0.01	11.71	80.2	0.025	51.1	0.39	18.1	48.0	**1.55**	**0.80**	**3.25**	22.0	0.0805			0.0056		1.05	0.0155	2.99	0.00125	0.00125	0.155			0.050
06/20/06	6.56	8.02	10.65	89.9	0.041	77.8	0.55	16.4	38.0	28.8	0.98	**2.00**	17.0	0.212	0.0425	0.170	0.0078	**0.05**	0.770	0.0420	2.61	0.00105	0.00075	0.155			0.0155
07/25/06	6.71	8.42	8.60	73.4	0.045	174.9	0.33	19.4	46.0	51.3	2.03	**2.00**	**24.0**	0.307	**0.0155**	0.303	0.0140	**0.05**	0.749	0.0420	2.67	0.00075	0.00075	0.155			0.0310
11/04/06	6.47	0.02	11.54	79.2	0.046	99.4	0.34	18.8	45.0	20.0	**0.200**	**1.57**	20.0	0.0800	**0.0155**	**0.0700**	0.0160	**0.0155**	0.801	0.0155	2.86	0.00075	0.00075	0.155			0.050
12/13/06	6.35	0.06	9.83	67.3	0.048	147.4	0.25	16.1	43.0 J	**8.75**	**0.625**	**1.57**	16.0	0.103	**0.0155**	**0.050**	0.0270	**0.05**	1.25	0.0155	2.78	0.00075	0.0020	0.155			0.0155
02/21/07	5.64	0.03	11.69	79.8	0.048	219.2	0.24	19.3	46.0	20.0	**0.153**	**3.50**	24.0	0.0865	**0.0155**	**0.0815**	0.0049	**0.0155**	0.832	0.0155	2.49	0.0026	0.00075	0.155			0.0155
03/17/07	6.11	0.07	12.37	84.8	0.044	192.3	0.25	19.2	44.0	31.3	1.49	**4.00**	22.0	0.162	**0.0155**	0.151	**0.00155**	**0.0700**	0.834	0.0155	2.73	0.00075	0.00075	0.155			0.0155
04/22/07	6.36	0.70	9.06	63.2	0.033	189.5	1.38	13.1	32.5	46.3	4.12	**1.57**	11.0	0.0620	**0.0155**	**0.0520**	0.0100	**0.0155**	0.878	0.0490	1.83	0.00075	0.00075	0.155			0.0155
05/15/07	6.68	2.31	12.63	92.1	0.033	161.9	0.83	12.0	30.0	23.8	3.05	**1.57**	12.5	0.0595			0.0139		0.719	0.0360	1.86	0.00075	0.00075	0.155			0.0155
06/18/07	6.69	10.82	10.74	97.0	0.041	142.9	0.38	14.9	41.0	36.3	0.92	**1.57**	16.0	0.0525			0.0050		0.752	0.0650	2.60	0.00075	0.00075	0.155	1.04		0.0155
07/14/07	6.83	8.81	9.05	78.1	0.044	62.8	0.96	18.2	43.0	43.8	1.03	**1.57**	20.1	**0.0155**			0.0050		0.679	0.0440	2.19	0.00075	0.00075	0.155	1.46		0.0155
08/16/07	7.01	12.82	9.82	92.9	0.045	62.0	2.23	16.2	45.5	38.8	1.80	**1.57**	21.0	0.0555			0.0112		0.603	0.0155	2.54	0.00075	0.00075	0.155	1.43		0.0338
09/17/07	6.40	7.36	9.83	81.7	0.043	124.5	0.58	16.6	43.0	42.5	1.22	**1.57**	17.0	0.0380			0.0137		0.612	0.0155	2.56	0.0025	0.00075	0.155	1.82		0.0155
10/15/07	7.65	0.59	11.32	78.7	0.043	65.4	0.89	18.2	44.0	31.3	0.82	**1.57**	16.8	0.232			0.0120		0.701	0.0155	2.95	0.00075	0.00075	0.155	0.643		0.0155
11/11/07	6.69	0.24	11.19	77.1	0.044	144.6	0.47	16.8	43.0	25.0	0.769	**1.57**	16.8	0.0985			0.0152		0.747	0.0155	2.64	0.00075	0.00075	0.155	1.14		0.0155
12/12/07	7.51	-0.01	11.25	76.9	0.046	149.7	0.24	18.2	48.9	31.3	**0.150**	**1.57**	18.0	0.111			0.0133		0.754	0.0155	2.78	0.00075	0.00075	0.155	0.858		0.0155
02/24/08	7.46	0.08	9.00	62.2	0.046	141.3	0.93	16.7	49.5	40.0	1.33	**4.34**	21.4	**0.0155**			0.0120		0.761	0.0330	2.43	0.0025	0.00075	0.155	0.603		0.0155
03/17/08	6.65	0.11	10.41	71.5	0.043	145.2	1.88	17.3	45.5	37.5	2.08	**6.28**	20.7	**0.050**			0.0082		0.758	0.0155	2.38	0.00075	0.00075	0.155	0.974		0.0155
04/20/08	6.64	0.31	10.48	72.3	0.044	188.3	0.42	16.8	44.0	42.5	1.67	**3.98**	20.4	**0.050**			0.0050		0.748	0.0155	2.43	0.0018	0.00075	0.155	0.519		0.050
05/20/08	7.15	1.57	10.71	76.5	0.036	191.2	1.66	14.1	43.3	31.3	3.10	**1.57**	14.5	0.141			0.0121		0.477	0.052	1.70	0.0025	0.0025	0.155	2.24		0.126
06/14/08	7.03	7.47	10.61	88.4	0.035	105.5	0.48	14.1	33.9	36.3	2.23	**1.57**	14.0	0.108			0.0035		0.592	0.0155	2.52	0.00075	0.00075	0.155	1.35		0.112
07/17/08	6.61	7.63	6.22	52.1	0.040	164.9	0.53	14.9	33.1	32.5	2.83	**1.57**	15.7	**0.0155**			0.0182		0.488	0.0155	1.97	0.0025	0.00075	0.155	1.20		**0.050**
08/22/08	7.28	9.28	5.80	50.5	0.045	122.2	0.69	19.2	46.7	37.5	1.44	**1.57**	22.3	**0.050**			0.0451		0.602	0.079	2.26	0.0025	0.00075	0.155	1.30		**0.050**
09/21/08	6.33	5.25	7.32	57.8	0.041	170.9	0.86	15.7	46.1	31.3	1.04	**1.57**	18.1	0.053			0.0109		0.635	0.035	2.28	0.00075	0.00075	0.155	1.84		0.0155
10/16/08	6.45	0.50	12.26	85.0	0.042	188.6	0.85	16.8	45.9	26.3	0.52	**1.57**	17.4	0.0615			**0.00155**		0.821	0.039	2.66	0.00075	0.00075	0.155	1.09		0.0155
12/08/08	6.12	-0.07	10.67	72.9	0.046	158.1	0.43	17.0	49.0	25.0	1.43	29.9	18.1	0.146			0.0118		0.708	0.046	2.48	0.00075	0.00075	0.155	0.488		0.0527
Mean	6.74	5.00	10.49	81.7	0.043	145.8	0.9	16.4	43.0	33.2	1.91	2.87	18.0	0.188	0.0194	0.125	0.0151	0.0380	0.776	0.0321	2.59	0.00160	0.00144	0.170	NA	1.18	0.0301
Median	6.69	4.00	10.67	80.0	0.044	153.5	0.69	16.7	44.0	35.0	1.33	1.57	18.0	0.085	0.0155	0.082	0.0130	0.0500	0.754	0.0155	2.61	0.00125	0.00075	0.155	NA	1.14	0.0155
St. Deviation	0.44	4.00	2.01	14.9	0.006	53.1	0.6	2.20	6.0	11.0	2.93	4.57	3.00	0.287	0.0102	0.092	0.0134	0.0220	0.154	0.0236	0.39	0.00190	0.00260	0.094	NA	0.49	0.0255
# of values	40	40	37	34	37	38	33	39	39	39	39	39	39	38	7	7	39	7	39	39	39	39	39	39	0	17	39
Minimum	5.64	-0.07	5.49	50.5	0.025	51.1	0.24	10.1	30.0	1.55	0.15	1.57	11.0	0.0155	0.0155	0.050	0.00155	0.0155	0.477	0.0155	1.70	0.00075	0.00075	0.065	NA	0.488	0.0155
Maximum	7.65	12.82	14.8	110.9	0.052	271.0	2.23	19.9	55.0	51.3	18.9	29.9	24.0	1.41	0.0425	0.303	0.0630	0.0700	1.25	0.116	3.42	0.0120	0.0170	0.580	NA	2.24	0.126
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	5%	62%	0%	21%	86%	14%	28%	86%	0%	54%	0%	90%	95%	79%		0%	82%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	4	14	1	17	1	3	9	1	0	17	0	3	1	8		1	5
Chronic Aquatic Life Criteria (CALC)[1,4]	6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.91
Drinking Water Standards (DWS)[2]	6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	28%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	NA	0%	0%
% of DWS exceedences	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	#DIV/0!	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
KR100A																																		
Sample Date																																		
04/29/04	230	**12.5**	**0.0385**		0.433	**0.125**	4.57	2.30	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3680	3660	0.334	0.169	0.157	0.239	1.57	0.795	456	142	0.364	0.357	932	908	30.5	6.19	0.0031	
05/18/04	96.5	36.4	**0.0385**	**0.0385**	**0.125**	**0.125**	2.67	1.26	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	2910	2690	**0.100**	**0.0500**	0.0539		0.716	0.527	176	80.9	**0.050**	**0.050**	678	673	7.75	5.15	0.0025	
05/21/04																																		
06/15/04	**12.5**	**12.5**	1.18	0.468	**0.125**	**0.125**	2.57	1.78	**0.0075**	**0.0075**	**0.750**	**0.750**	5.37	4.85	**0.0155**	**0.0155**	4270	4170	0.152	**0.0500**	**0.050**		0.631	0.481	60.7	54.9	0.230	0.147	888	1010	4.20		**0.0005**	
07/14/04	**12.5**	**12.5**	**0.0385**	0.244	0.262	0.271	2.89	2.93	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0500**	4710	4900	**0.100**	0.237	**0.050**		0.276	0.317	47.1	23.1	**0.050**	**0.050**	1010	1190	5.74	6.38	**0.0005**	
08/27/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	0.368	2.68	2.35	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4650	4760	0.181	0.179	**0.0155**		0.335	0.246	42.6	30.1	**0.050**	**0.050**	1180	1230	5.61	5.98	**0.0005**	
09/15/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	2.79	2.32	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	0.0582	**0.0155**	4730	4600	0.188	0.241	**0.0155**		0.562	0.223	36.8	**16.0**	0.262	**0.113**	1140	1100	5.09	4.78	0.0013	
10/17/04	32.5	**12.5**	**0.0385**	**0.0385**	**0.125**	0.283	2.50	2.13	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	3920	3780	**0.100**	**0.100**	**0.0155**		0.571	0.443	84.1	45.1	0.197	0.112	950	931	5.72	4.88		
03/19/05	35.5	2.89	0.0328	0.0172	0.298	0.229	2.89	2.55	0.00398	**0.001495**	0.0271	**0.003835**	2.45	1.86	**0.0100**	**0.003095**	4960	3920	**0.100**	**0.03565**	0.0494	0.0181	0.423	0.204	48.4	17.3	**0.035**	**0.035**	1350	1080	3.81	2.84	**0.000147**	
06/03/05	25.4	6.65	0.0246	0.019	**0.125**	**0.125**	2.15	2.03	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4100	4040	**0.0310**	**0.100**	0.0358	0.0292	0.369	0.326	84.6	44.6	**0.05**		955	952	5.61	3.90	**0.000450**	
07/12/05	37.7	8.50	**0.005**	0.013	**0.125**	**0.125**	2.60	2.34	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**1.55**	**0.00775**	**0.00775**	4920	5010	**0.100**	**0.0310**	0.0414	0.0166	0.259	0.210	144	31.3	**0.0155**	0.108	1290	1300	10.3	5.45	**0.000450**	
08/17/05	33.8	4.59	1.56	0.0154	0.279	**0.125**	2.98	2.56	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5.00**	**0.00775**	**0.00775**	5200	5090	0.359		0.0444	0.0396	0.302	0.311	73.5	30.0	**0.0155**		1420	1390	7.33	5.60	**0.000450**	
09/15/05	69.8	18.0	0.0224	0.027	**0.125**	**0.125**	3.32	2.73	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5130	4910	0.173	0.0904	0.0764	0.0512	0.632	0.731	236	87.8	**0.050**		1130	1090	12.6	6.36	**0.000450**	
10/31/05	13.6	7.69	1.40	0.244	**0.125**	0.290	3.32	2.69	**0.0075**	**0.0075**	**0.00155**	0.0108	**1.55**	3.30	**0.00775**	**0.00775**	5710	5240	0.437	0.450	0.0558	0.0564	0.437		105	53.4	1.62	0.155	1370	1360	10.7	8.42	**0.000450**	
03/15/06	28.9	2.66	**0.025**	0.052	**0.155**	0.571	2.27	2.23	**0.012**	0.0480	**0.0075**		**0.750**	**2.50**	**0.0125**	**0.0125**	5080	5170	0.313		0.0286		0.265	0.364	44.1	26.2	0.067		1320	1260	3.48	2.32	**0.000475**	
06/20/06	18.6	8.54	0.0176	0.0302	**0.155**	**0.155**	2.52	2.29	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	4780	4500	0.708	0.458	0.0374	0.0370	0.451		97.6	59.0	0.396	0.320	1070	1020	5.09	3.66	**0.00250**	
07/25/06	13.1	4.84	0.0262	0.0218	0.338	**0.155**	3.01	2.74	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5750	5590	**0.100**	0.366	0.0634	0.0382	0.307	0.276	120	45.1	**0.050**		1230	1260	8.24	4.54	**0.000475**	
11/04/06	13.2	5.27	**0.0075**	**0.0250**	**0.155**	**0.155**	3.08	3.17	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5350	5450	**0.0500**	**0.0500**	0.0336	0.0316	0.327	0.370	79.0	33.0	2.77	**0.050**	1330	1280	7.50	6.05	**0.000475**	
12/13/06	10.1	7.41	**0.0075**	0.0178	**0.155**	**0.155**	2.42		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4500		**0.0500**	**0.0500**	0.0240	0.0258	0.216		43.1	17.5	**0.050**		1180		4.01	3.31	**0.000475**	
02/21/07	14.0	3.63	**0.0250**		**0.155**	**0.155**	3.17	3.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0364	0.0284	5470	5680	0.482	**0.0500**	0.0350	0.0428	0.549	0.435	51.8	**10.0**	0.183	**0.050**	1370	1380	4.61	3.59	**0.000169**	
03/17/07	18.2	2.82	0.0716	**0.0250**	**0.250**	**0.250**	2.79	2.45	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.219	0.0160	5590	5900	**0.100**	**0.100**	0.0272	0.0234	0.429	0.303	44.1	21.9	4.99	**0.050**	1270	1070	3.32	2.94	**0.000169**	
04/22/07	131	31.6	0.0258	0.0224	**0.155**	**0.155**	3.20	2.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3670	3590	0.382	0.434	0.0750		0.484		237	90.3	0.0844	0.0510	954	938	14.8	11.7	**0.00250**	
05/15/07	104	14.4	0.0212	0.0178	**0.155**	**0.155**	2.94	2.25	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0426	0.0358	3450	3510	0.283	**0.100**	0.0712	0.0552	0.508		259	102	0.101	**0.050**	817	840	12.5	5.71	0.000610	
06/18/07	15.6	7.77	**0.0250**	**0.0250**	**0.155**	**0.155**	2.22	2.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4240	4470	**0.100**	**0.100**	0.0254	0.0234	0.312	0.290	64.6	45.5	**0.050**	**0.050**	1050	1150	4.06	3.15	**0.000169**	
07/14/07	26.7	5.29	**0.0250**	**0.0250**	0.339	**0.155**	3.07	2.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5210	4750	0.246	0.309	0.0426	0.0318	0.298	0.276	128	60.0	**0.0155**	**0.0155**	1250	1170	7.24	3.68	**0.000169**	
08/16/07	13.3	7.63	0.0196	0.0334	**0.155**	**0.155**	2.41		**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	2.59	**0.0075**	**0.0075**	4670		0.222	0.323	0.0306	0.0308	0.550	0.361	94.6	63.9	**0.050**	**0.050**	1090		6.06	4.66	**0.00250**	
09/17/07	28.0	9.60	0.0176	0.0238	0.350	**0.155**	2.76	3.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4970	5610	0.225	**0.100**	0.0378	0.0268	0.392	0.432	124	67.1	**0.0155**	**0.0155**	1030	1180	8.11	5.62	**0.00250**	
10/15/07	15.1	7.24	0.0166	0.0252	**0.155**	**0.155**	2.79	3.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5350	5420	0.292	0.266	0.0316	0.0262	0.387	0.397	97.3	58.1	**0.050**	**0.0155**	1180	1200	6.92	5.57	**0.000169**	
11/11/07	17.8	8.00	0.0194	0.0248	**0.155**	**0.155**	2.48	2.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4870	4840	**0.0500**	**0.0500**	0.0276	0.0216	0.294		85.5	50.3	**0.0155**	**0.050**	1130	1120	5.43	4.14	**0.00250**	
12/12/07	9.82	6.40	0.0156	0.0314	**0.155**	**0.155**	2.51		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5280	5960	0.220	0.388	**0.0100**	**0.0100**	0.544	0.348	68.1	45.6	**0.0155**	**0.0155**	1210	1350	4.50	3.96	0.000893	
02/24/08	18.8	6.39	**0.0250**	**0.0250**	**0.155**	**0.155**	2.47	2.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4770	5110	0.354	0.424	0.0258	0.0288	0.238		59.1	27.2	**0.0155**	**0.050**	1160	1230	5.09	4.14	**0.00075**	
03/17/08	29.8	4.61	0.0252	0.0426	**0.155**	**0.155**	2.62		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0250	**0.0075**	5000	5610	0.235	0.342	0.0322	0.0224	0.289	0.320	70.3	33.1	0.0652	0.0312	1180	1310	5.17	3.05	**0.00075**	
04/20/08	21.6	3.16	**0.0075**	**0.0075**	**0.155**	**0.155**	2.41	2.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4760	4610	0.342	0.378	0.0240	0.0172	0.245		61.4	31.8	**0.0155**	**0.0155**	1190	1170	4.63	3.42	**0.00075**	
05/20/08	93.9	14.6	**0.0075**	**0.0075**	0.325	**0.155**	3.04	2.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4050	4020	0.212	**0.100**	0.0674	0.0271	0.395		263	107	**0.050**	**0.0155**	977	976	15.1	6.54	0.00186	
06/14/08	32.9	11.9	**0.0075**	**0.0075**	**0.155**	**0.155**	2.46	2.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4110	4230	0.232	0.259	0.0308	0.0237	0.553	0.488	112	62.3	**0.0155**	**0.0155**	944	969	6.65	4.26	**0.00075**	
07/17/08	54.3	7.30	**0.0075**	0.016	0.314	**0.155**	2.68	2.58	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4320	4390	**0.100**	**0.100**	0.0505	0.0199	0.391	0.479	171	50.7	0.0315	**0.0155**	990	994	11.2	4.46	**0.00075**	
08/22/08	19.8	5.71	0.0239	0.0303	**0.155**	**0.155**	3.16	3.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5470	5650	0.163	0.236	0.0413	0.0270	0.344	0.353	205	120	**0.0155**	**0.0155**	1350	1370	13.6	5.74	**0.00075**	
09/21/08	29.3	12.8	0.0238	**0.0075**	0.367	**0.155**	2.65	2.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4580	4970	**0.100**	0.341	0.0414	0.0285	0.594	0.357	140	74.2	**0.0155**	**0.0155**	1040	1190	8.76	6.34	**0.00075**	
10/16/08	21.4	9.48	0.0215	0.0183	**0.155**	**0.155**	2.54	2.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4830	4790	0.235	0.245	0.0382	0.0310	0.494	0.564	109	56.5	**0.0155**	**0.0155**	1140	1130	8.44	6.60	**0.00075**	
12/08/08	29.0	4.94	**0.0075**	**0.0075**	**0.155**	**0.155**	2.68	2.68	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4760	4730	0.309	0.181	0.0311	0.0207	0.289		91.2	31.9	0.0335	0.0439	1230	1230	7.43	5.07	0.00158	
Mean	37.3	9.58	0.128	0.0479	0.196	0.179	2.78	2.55	0.0107	0.0116	0.1410	0.1436	1.53	1.63	0.01874	0.0123	4710	4740	0.217	0.202	0.0422	0.0362	0.442	0.387	116	52.5	0.3119	0.0665	1130	1140	7.87	5.00	0.00097	NA
Median	21.6	7.69	0.025	0.0250	0.155	0.155	2.68	2.54	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0078	4770	4790	0.212	0.179	0.0374	0.0271	0.392	0.357	91.2	45.6	0.0500	0.0500	1140	1170	6.65	4.83	0.00068	NA
St. Deviation	42.6	6.90	0.369	0.0877	0.086	0.0840	0.42	0.450	0.0026	0.0066	0.2886	0.2920	0.900	0.890	0.03462	0.0089	640.0	750.0	0.141	0.139	0.0250	0.0392	0.226	0.140	84.0	30.2	0.9169	0.0797	170.0	170.0	4.89	1.74	0.00086	NA
# of values	39	39	39	37	39	39	39	35	39	39	39	38	39	39	39	39	39	37	39	37	39	31	39	29	39	39	39	33	39	37	39	38	38	0
Minimum	9.82	2.66	0.005	0.0075	0.125	0.125	2.15	1.26	0.00398	0.001495	0.00155	0.00155	0.750	0.750	0.0075	0.003095	2910	2690	0.031	0.031	0.0100	0.0100	0.216	0.204	36.8	10.0	0.0155	0.0155	678	673	3.32	2.32	0.000147	NA
Maximum	230	36.4	1.56	0.468	0.433	0.571	4.57	3.59	0.0125	0.0480	0.750	0.750	5.37	5.00	0.219	0.0500	5750	5960	0.708	0.458	0.157	0.239	1.57	0.795	456	142	4.99	0.357	1420	1390	30.5	11.7	0.0031	NA
% of values undetected	10%	15%	49%	38%	74%	85%	0%	0%	97%	97%	97%	97%	95%	90%	87%	92%	0%	0%	36%	43%	15%	3%	0%	0%	0%	3%	62%	70%	0%	0%	0%	0%	82%	
# of values between MDL and PQL	0	0	13	15	9	4	0	0	1	0	0	0	1	3	4	3	0	0	5	4	1	3	0	0	0	2	5	6	0	0	0	0	4	
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.059	0.059	NA	NA	10.98	10.56276	NA	NA	1.621	1.556	1000	1000	0.235	0.256	NA	NA	NA	NA	0.012	0.012
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA
% of CALC exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	6%	0%	0%	0%	0%	0%	NA
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	#DIV/0!

Parameters	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
KR100A																					
Sample Date																					
04/29/04	**0.155**	**0.155**	0.295	0.230	376	357	**0.155**	**0.155**	3790	**0.00310**	**0.00310**	1880	1900	**0.0125**	**0.0125**	**0.155**	**0.155**	0.848	**0.125**	3.77	3.88
05/18/04	**0.155**	0.316	**0.100**	0.295	253	233	**0.155**	**0.155**	3120	**0.00310**	**0.00310**	1490	1560	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	**0.200**	2.60	**0.750**
05/21/04																					
06/15/04	0.318	0.349	0.210	0.308	314	309	**0.155**	**0.155**	4000	0.0126	**0.00310**	2100	2190	**0.0125**	**0.0125**	4.32	**0.155**	0.419	0.355	1.73	1.83
07/14/04	0.327	**0.155**	**0.100**		399	385	**0.155**	**0.155**	4790	**0.0031**	**0.0031**	2380	2460	**0.0125**	**0.0125**	**0.155**	**0.155**	0.296	**0.125**	**0.235**	**0.750**
08/27/04	**0.155**	**0.155**	0.129	**0.031**	386	413	**0.155**	**0.155**	5510	**0.0031**	**0.0031**	2290	2500	**0.0125**	**0.0125**	**0.155**	**0.155**	0.263	0.355	**0.750**	**0.750**
09/15/04	0.378	**0.155**	0.277	0.344	364	364	**0.155**	**0.155**	5180	**0.0031**	**0.0031**	2330	2300	0.0365	**0.0125**	**0.155**	**0.155**	**0.125**	0.268	8.46	4.25
10/17/04	**0.155**	**0.155**	0.151	0.300	276	272	**0.155**	**0.155**	4820	**0.0031**	**0.0031**	2020	2020	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.750**	
03/19/05	0.602	0.327	0.195	0.0987	325	294	0.116	0.0499	4670	0.00356	**0.001435**	2300	1820	0.268	**0.002125**	0.0984	**0.0302**	0.294	0.179	**0.500**	**0.500**
06/03/05	0.263	0.243	0.223		295	299	**0.0775**	**0.0775**	4000	**0.0031**	**0.0031**	2070	2060	**0.0031**	**0.0031**	**0.031**	**0.031**	0.539	**0.200**	**0.750**	**0.750**
07/12/05	0.242	0.253	0.160		377	392	**0.0775**	**0.0775**	4350	**0.0031**	**0.0031**	2580	2630	**0.0031**	**0.0031**	**0.031**	**0.031**	0.280	0.222	21.0	12.9
08/17/05	0.385	0.273	0.258		416	415	**0.0775**	**0.0775**	4680	**0.0031**	**0.0031**	2810	2800	**0.0031**	**0.0031**	**0.031**	**0.031**	0.430	0.352	4.50	2.50
09/15/05	0.275	0.303	0.278		421	407	**0.0775**	**0.0775**	4940	**0.0031**	**0.0031**	2440	2470	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	1.52	2.51
10/31/05	0.275		0.232		394	351	**0.0775**	**0.0775**	6080	**0.0031**	**0.0031**	2650	2710	**0.0031**	**0.0031**	**0.031**	**0.031**	0.494	0.455	1.99	2.12
03/15/06	0.216		0.168		325	344	**0.155**	0.361	5720	0.0140	**0.0031**	2550	2480	**0.0025**		**0.0155**	0.118	0.517	**0.250**	3.27	3.75
06/20/06	0.191		**0.0310**	0.134	344	341	**0.155**	**0.155**	3480	**0.0031**	**0.0031**	2370	2210	**0.0025**	0.0126	**0.0155**	**0.0155**	0.574	0.679	8.15	7.74
07/25/06	0.280	0.268	**0.100**		434	424	**0.155**	**0.155**	4670	**0.0031**	**0.0031**	2470	2550	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.02	1.69
11/04/06	0.275	0.272	**0.100**	**0.100**	336	341	**0.155**	**0.155**	4960	**0.0031**	**0.0031**	2590	2470	**0.0050**	**0.0050**	**0.050**	**0.050**	0.577	0.827	1.99	2.09
12/13/06	0.220		0.191	0.289	299		**0.155**	**0.155**	6120	**0.0031**	**0.0031**	2280	2690	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.500**	
02/21/07	0.269	0.302	0.365	0.418	398	395	**0.155**	**0.155**	5680	0.0168	**0.0031**	2600	2530	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.26	
03/17/07	0.270	0.250	**0.100**	**0.100**	382	411	**0.155**	**0.155**	4990	**0.0031**	**0.0031**	2320	2230	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.500**	**0.155**	3.45	
04/22/07	0.202	0.182	0.209		524	510	**0.155**	**0.155**	3520	**0.0031**	**0.0031**	1870	1880	**0.0050**	**0.0050**	**0.050**	**0.050**	0.388	**0.155**	1.94	
05/15/07	0.212	0.216	**0.100**		342	350	**0.155**	**0.155**	3490	**0.0031**	**0.0031**	1620	1690	**0.0050**	**0.0050**	**0.050**	**0.050**	0.422	**0.155**	1.96	2.32
06/18/07	0.262	0.279	**0.100**	0.239	331	360	**0.155**	**0.155**	4450	**0.0031**	**0.0031**	2190	2300	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.28	**0.500**
07/14/07	0.282	0.264	0.216	0.279	365	361	**0.155**	**0.155**	4320	**0.0031**	**0.0031**	2550	2290	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	**0.500**
08/16/07	0.251		**0.100**	0.312	346		**0.155**	**0.155**	4920	**0.0031**	**0.0031**	2270		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.79	2.86
09/17/07	0.268	0.310	**0.100**	0.213	309		**0.155**	**0.155**	5240	**0.0031**	**0.0031**	2180	2510	**0.0050**	**0.0050**	**0.050**	**0.050**	0.321	**0.155**	1.67	1.66
10/15/07	0.287	0.282	**0.100**	0.275	328	342	**0.155**	**0.155**	5720	**0.0031**	**0.0031**	2350	2350	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.09	1.23
11/11/07	0.240	0.245	**0.100**	0.236	307	311	**0.155**	**0.155**	5210	**0.0031**	**0.0031**	2260	2210	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	
12/12/07	0.252	0.294	**0.100**		331	396	**0.155**	**0.155**	6450	**0.0031**	**0.0031**	2410	2660	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.16
02/24/08	0.223	0.237	**0.100**		326	365	**0.155**	**0.155**	6050	**0.0031**	**0.0031**	2380	2390	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.32
03/17/08	0.239	0.273	**0.100**		317	376	**0.155**	**0.155**	5700	**0.0031**	**0.0031**	2500	2610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.62	2.55
04/20/08	0.164	0.155	**0.100**	0.264	324	327	**0.155**	**0.155**	5380	**0.0031**	**0.0031**	2320	2280	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.27	**0.500**
05/20/08	0.179	0.182	**0.100**	0.335	360	376	**0.155**	**0.155**	4130	**0.0031**	**0.0031**	1860	1880	**0.0050**	**0.0050**	**0.050**	**0.050**	0.476	**0.155**	1.57	1.88
06/14/08	0.249	0.246	**0.100**	0.203	305	321	**0.155**	**0.155**	4520	**0.0031**	**0.0031**	2020	2080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.01	1.27
07/17/08	0.270	0.265	0.271	0.282	312	318	**0.155**	**0.155**	4120	**0.0031**	**0.0031**	1980	1950	**0.0050**	**0.0050**	**0.050**	**0.050**	0.405	**0.155**	1.30	1.02
08/22/08	0.292	0.292	**0.100**	0.208	416	440	**0.155**	**0.155**	5090	**0.0031**	**0.0031**	2660	2660	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.55	2.37
09/21/08	0.244	0.0972	**0.100**	**0.100**	310	331	**0.155**	**0.155**	5130	**0.0031**	**0.0031**	2140	2340	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	58.6	1.90
10/16/08	0.249	0.237	**0.100**	0.255	315	314	**0.155**	**0.155**	4950	**0.0031**	**0.0031**	2240	2230	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.500**	1.39
12/08/08	0.184	0.189	0.164	0.304	340	352	**0.155**	**0.155**	5480	**0.0031**	**0.0031**	2370	2380	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.60	2.13
Mean	0.255	0.240	0.150	0.237	349	358	0.144	0.148	4860	0.0040	0.0031	2270	2300	0.0133	0.0063	0.173	0.067	0.293	0.220	3.90	2.28
Median	0.251	0.252	0.100	0.260	336	355	0.155	0.155	4940	0.0031	0.0031	2320	2320	0.00500	0.0050	0.050	0.050	0.250	0.155	1.57	1.83
St. Deviation	0.0790	0.0620	0.0800	0.0930	51.0	52.0	0.0270	0.0460	810	0.0031	0.0003	280.0	300.0	0.0422	0.0034	0.683	0.044	0.175	0.147	9.66	2.38
# of values	39	34	39	26	39	36	39	39	39	39	39	39	38	39	38	39	39	39	39	39	33
Minimum	0.155	0.0972	0.031	0.031	253	233	0.0775	0.0499	3120	0.0031	0.001435	1490	1560	0.0025	0.002125	0.0155	0.0155	0.100	0.100	0.235	0.500
Maximum	0.602	0.349	0.365	0.418	524	510	0.155	0.361	6450	0.0168	0.0031	2810	2800	0.268	0.0126	4.32	0.155	0.848	0.827	58.6	12.9
% of values undetected	10%	15%	54%	15%	0%	0%	97%	95%	0%	90%	100%	0%	0%	95%	97%	95%	97%	56%	77%	28%	24%
# of values between MDL and PQL	3	2	5	1	0	0	0	2	0	4	0	0	0	1	0	1	0	9	6	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	9.22	9.20	NA	NA	5	4.6	NA	0.1198434	0.102	NA	NA	NA	NA	NA	NA	NA	NA	21.13	20.84
Drinking Water Standards (DWS)[2]	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Key:

Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

Footnotes:

(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Turbidity	Hardness	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD[5]	Thiocyanate	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]
Total/Dissolved																										
Units	pH Units	°C	mg/L	%	mS/cm	mV	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
KC100A																										
Sample Date																										
05/20/04								13.7	43.8	4.10	**1.57**	17.0				**0.0155**		0.952	**0.050**	1.50	**0.00125**	**0.00125**	**0.065**			**0.0155**
05/21/04	6.99	5.89	10.5		0.046	99.0	4.3																			
06/05/04												26.5														
06/15/04	6.97	8.72	10.99		0.055	247.0	0.90	18.1	32.5	2.30	**1.57**	25.0				**0.0155**		1.11	**0.0710**	1.85	**0.00125**	**0.00125**	**0.065**			**0.050**
07/13/04	6.91	11.77	9.32	102.9	0.064	222.0	4.8	21.5	51.3	4.20	**1.57**	29.0	1.14			**0.0456**		1.11	**0.071**	1.77	**0.00125**	**0.00125**	**0.065**			**0.0155**
08/15/04												28.0														
08/23/04	7.17	9.50	13.19	116.8	0.068	224.0	4.5	22.0	43.8	1.40	**1.57**	28.5	**0.310**			**0.0155**		1.13	0.108	1.70	**0.00125**	**0.00125**	**0.140**			**0.050**
09/15/04	7.38	7.17			0.063	63.0	1.3	21.6	52.5	1.30	**1.57**	27.8	**0.155**			**0.0155**		1.20	**0.078**	1.95	**0.0025**	**0.00125**	**0.350**			0.100
10/17/04	6.54	4.30	13.13	99.3	0.048			16.2	41.3	2.00	**1.57**	23.0	**0.560**			**0.0600**		1.35	**0.0155**	1.70	**0.0028**	**0.0049**	**0.200**			**0.0155**
01/28/05	6.61	-0.14	11.6		0.062	-97.0	6.4	20.1	52.5	0.90	**0.785**	25.0	0.340			0.0706		1.11	**0.043**	2.17	**0.00125**	**0.00125**	**0.066**			**0.0155**
01/29/05																										
03/19/05	7.28	1.21	13.97	101.0	0.059	-12.0	2.6	21.2	32.5	1.50	5.00	23.0	**0.05**			0.0464		1.20	**0.040**	2.03	**0.00125**	**0.00125**	**0.250**			**0.0155**
05/07/05	6.14	3.08	12.56	93.5	0.031	162.1	2.37	14.8	116	3.80	**4.13**	13.5	1.90			0.0840		0.903	**0.0155**	1.43	**0.00125**	**0.00125**	**0.440**			**0.0155**
06/07/05	6.70	6.42	12.21	99.0	0.050	72.7	1.35	19.4	42.5	2.50	**2.63**	24.0	0.380			0.0200		0.877	**0.041**	2.43	**0.00125**	**0.00125**	**0.780**			**0.0365**
07/12/05	6.29	10.03			0.044	-153.9	4.12	18.5	33.8	18.0	**2.88**	21.0	0.121			0.127		0.726	**0.0155**	0.70	**0.00125**	**0.00125**	**0.600**			**0.050**
08/17/05	5.78	9.60	10.6	93.0	0.058	-95.1	22.2	25.5	50.0	34.0	**4.50**	29.0	1.30			0.130		1.37	**0.038**	1.37	0.0590	0.0530	**0.260**			**0.056**
09/15/05	5.99	9.65	10.4	91.5	0.033	128.8	2.75	18.3	58.8	5.30	**3.25**	16.0	0.111			0.0340		1.29	**0.047**	1.22	**0.00125**	**0.00125**	**0.590**			**0.0155**
10/30/05	5.92	0.06	13.22	90.7	0.052	119.5	3.46	19.8	50.0	5.00	**3.40**	24.0	**0.0425**			0.0330		1.09	**0.039**	1.67	**0.00125**	**0.00125**	**0.340**			**0.0155**
02/11/06	6.54	0.08	9.82	67.4	0.057	-162.3		21.3	37.5	2.67	**4.50**	25.5	0.144			0.0380		1.15	**0.033**	2.34	**0.00125**	**0.00125**	**0.0295**			**0.050**
03/14/06	6.49	0.21	10.2	70.1	0.054	-9.7	1.37	24.1	50.0	1.43	6.00	28.0	**0.0975**			0.0245		1.09	**0.0155**	2.23	**0.00125**	**0.00125**	**0.155**			**0.050**
05/20/06	5.85	1.72	8.79	63.1	0.027	-38.4	1.89	10.2	55.0	3.20	**3.25**	**12.0**	0.927	**0.0155**	0.918	0.0379	**0.05**	1.20	**0.0155**	0.87	**0.00125**	**0.00125**	**0.430**			0.110
06/19/06	5.90	9.86	7.45	65.7	0.044		0.96	16.7	37.5	2.20	**3.00**	22.0	**0.0430**	**0.0500**	**0.0155**	0.0320		0.888	**0.0450**	1.56	**0.00105**	**0.00075**	**0.380**			**0.0155**
07/25/06	6.82	7.43	9.30	77.6	0.045	91.1	1.2	22.4	52.5	2.53	**2.00**	**32.0**	**0.0155**	**0.0155**	**0.0155**	0.0400	**0.0155**	0.854	**0.0570**	1.59	**0.00075**	**0.00075**	**0.155**			0.173
08/16/06	7.14	8.10	7.59	64.2	0.035	127.8	0.89	18.4	46.3	1.86	**4.25**	15.0	**0.0405**	**0.0500**	**0.0155**	0.0340	**0.0155**	0.727	**0.0460**	1.01	**0.00075**	**0.00075**	**0.155**			**0.0460**
09/15/06	6.21	8.17	8.68	73.9	0.033	100.8	1.88	13.6	45.0	3.20	**3.75**	13.0	0.161	**0.0155**	0.147	0.0330		1.05	**0.0310**	0.83	**0.00075**	**0.00075**	**0.560**			**0.0460**
11/04/06	6.04	0.03	8.56	58.7	0.052	105.7	1.18	22.2	32.5	3.60	**6.00**	25.0	0.120	**0.0155**	0.108	0.0400		1.05	**0.0155**	1.53	**0.00075**	**0.00075**	**0.155**			**0.050**
12/14/06	7.51	0.09	10.0	69.1	0.055	282.4	1.0	20.7	36.2	2.04	**1.57**	25.0	**0.050**	**0.0155**	**0.050**	0.0600		1.04	**0.0340**	1.73	**0.0020**	**0.00075**	**0.155**			**0.0155**
02/21/07	5.87	0.10	11.5	78.8	0.056	105.5	1.13	20.9	41.3	5.32	**1.57**	30.0	0.100	**0.0155**	**0.0965**	0.0440	**0.0155**	1.00	**0.0350**	1.87	**0.0040**	**0.00075**	**0.155**			**0.0155**
03/17/07	6.29	0.12	10.8	74.2	0.055	108.0	0.86	23.0	37.5	**1.76** J	**1.57**	30.0	0.236	**0.0155**	0.231	**0.00155**		0.962	**0.0350**	1.97	**0.00075**	**0.00075**	**0.155**			**0.0155**
04/22/07	6.34	0.67	9.13	63.7	0.029	210.5	1.42	12.3	38.8	5.36	**1.57**	**3.10**	0.107	**0.0155**	**0.0910**	0.0310	**0.050**	0.972	**0.0370**	1.04	**0.00075**	**0.00075**	**0.480**			**0.0312**
05/15/07	6.99	3.41	13.42	100.8	0.039	118.0	1.14	15.1	30.0	3.74	**1.57**	20.0	**0.0155**			0.0315		0.889	**0.0440**	1.45	**0.00075**	**0.00075**	**0.155**			**0.0155**
06/18/07	6.94	10.06	11.12	98.6	0.050	113.4	0.94	19.4	36.3	1.40	**1.57**	22.0	0.102			0.0367		0.902	**0.0760**	2.00	**0.00075**	**0.00075**	**0.155**		1.65	**0.0155**
07/14/07	6.55	6.91	9.88	81.4	0.040	63.2	1.52	19.6	46.3	2.80	**1.57**	22.4	**0.0665**			0.0390		0.740	**0.0510**	1.50	**0.00075**	**0.00075**	**0.155**		3.06	**0.0155**
08/14/07	7.31	8.04	7.13	60.2	0.049	119.0	1.9	21.2	47.5	5.11 J	**1.57**	23.8	**0.050**			0.0465		0.808	**0.0360**	1.34	**0.00075**	**0.00075**	**0.155**		2.35	**0.0508**
09/17/07	6.47	6.94	10.09	83.0	0.044	78.1	1.87	20.9	45.0	1.90	**1.57**	22.9	**0.0490**			0.0480		0.840	**0.0360**	1.17	**0.0025**	**0.0025**	**0.500**		3.25	**0.0155**
10/12/07	7.18	3.19	10.73	80.2	0.043	55.5	1.34	18.6	37.5	1.05	**1.57**	21.2	**0.0515**			0.0320		0.920	**0.0400**	1.22	**0.00075**	**0.00075**	**0.155**		1.79	**0.0155**
11/11/07	6.74	0.03	11.22	76.9	0.042	108.2	1.37	15.1	32.5	6.08	**1.57**	17.7	0.114			0.0351		0.906	**0.0340**	1.13	**0.0015**	**0.00075**	**0.155**		2.55	**0.0155**
12/12/07	7.03	0.00	10.41	71.3	0.046	139.8	0.69	18.3	32.5	**0.60** J	**1.57**	21.4	**0.0785**			0.0288		0.969	**0.0155**	1.36	**0.00075**	**0.00075**	**0.155**		1.66	**0.0155**
02/24/08	8.24	0.06	1.65	11.4	0.000	201.6	1.22	20.6	51.3	3.13	12.9	26.4	**0.0345**			0.0372		0.986	**0.0400**	1.54	**0.0025**	**0.00075**	**0.155**		0.958	**0.0155**
03/17/08	6.42	0.85	10.11	70.8	0.056	134.9	2.11	22.7	48.8	9.57	**6.86**	27.4	0.148			0.0401		0.919	**0.0380**	1.75	**0.00075**	**0.00075**	**0.155**		1.03	**0.0155**
04/20/08	7.37	0.87	9.97	69.8	0.048	91.1	1.71	19.1	43.8	6.49	**4.28**	23.3	**0.050**			0.0516		0.888	**0.0550**	1.35	**0.0025**	**0.00075**	**0.155**		2.06	**0.050**
05/18/08	6.64	2.31	9.07	66.2	0.029	147.0	1.89	11.4	31.3	3.32	**1.57**	13.5	0.118			0.0261		0.675	**0.0155**	0.93	**0.0025**	**0.0025**	**0.155**		2.89	**0.0718**
11/21/08	6.62	-0.03	9.21	63.1	0.059	99.2	3.06	20.5	43.8	3.58	**4.30**	26.4	0.140			0.0390		0.924	**0.0155**	1.63	**0.00075**	**0.00075**	**0.155**		1.73	**0.050**
12/10/08	6.61	0.05	10.48	71.8	0.057	104.4	1.14	23.2	48.8	1.68	**1.57**	26.1	0.123			0.0293		0.921	**0.044**	1.56	**0.00075**	**0.00075**	**0.155**		0.885	**0.050**
Mean	6.67	4	10.2	77.7	0.047	91.0	3	19.1	44.7	4.30	2.98	23.0	0.252	0.0224	0.1688	0.0412	0.0300	0.992	0.0400	1.55	0.00280	0.00244	0.242	NA	1.99	0.0374
Median	6.62	3	10.3	74.2	0.049	106.0	1	19.7	43.8	3.00	1.57	24.0	0.113	0.0155	0.0938	0.0370	0.0200	0.966	0.0390	1.55	0.00130	0.00075	0.155	NA	1.79	0.0155
St. Deviation	0.54	4	2.20	18.9	0.013	101.0	4	3.6	13.8	5.70	2.23	6.00	0.404	0.0145	0.2719	0.0254	0.0200	0.166	0.0200	0.42	0.00910	0.00823	0.176	NA	0.79	0.0324
# of values	40	40	38	35	40	38	38	40	40	40	40	42	38	10	10	40	5	40	40	40	40	40	40	0	13	40
Minimum	5.78	-0.14	1.65	11.4	0	-162.3	0.69	10.2	30.0	0.60	0.785	3.10	0.0155	0.0155	0.0155	0.00155	0.0155	0.675	0.0155	0.699	0.00075	0.00075	0.0295	NA	0.885	0.0155
Maximum	8.24	11.77	13.97	116.8	0.068	282.4	22.2	25.5	116	34.0	12.9	32.0	1.90	0.0500	0.918	0.130	0.050	1.37	0.108	2.43	0.0590	0.0530	0.780	NA	3.25	0.173
Lowest fifth percentile	6	0	7	60	0	-106	1	12	32	1	2	13	0	0	0	0	0	1	0	1	0	0	0	NA	1	0
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	53%	2%	16%	100%	40%	13%	100%	0%	25%	0%	88%	95%	63%		0%	75%
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	NA	6.98
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA	NA
% of CALC exceedences	38%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	NA	0%	0%
% of DWS exceedences	15%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	#DIV/0!	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]		Magnesium	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
KC100A																														
Sample Date																														
05/20/04	76.2	25.1	**0.0385**	0.253	1.51	1.16	1.09		**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**5.00**	**0.0155**	**0.0155**	3800	3950	**0.100**	0.278	**0.0854**		0.772	0.325	515	304	**0.100**	**0.050**	1010	966
05/21/04																														
06/05/04																														
06/15/04	33.5	**12.5**	**0.0385**		1.68	1.41	1.53	1.39	**0.0075**	**0.0075**	**0.750**	**0.750**	**5.00**	**1.55**	**0.0155**	**0.0155**	5170	5110	0.339	0.259	**0.050**		0.315	0.265	432	291	**0.050**	**0.050**	1250	1240
07/13/04	38.1	**12.5**	**0.0385**	**0.100**	2.74	1.87	1.77	1.46	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6140	5860	1.09	0.241	**0.050**		0.522	**0.100**	614	298	**0.050**	**0.050**	1500	1550
08/15/04																														
08/23/04	**12.5**	**12.5**	**0.100**	**0.100**	2.11	1.57	1.66	1.55	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6290	6050	0.284	0.246	**0.050**		**0.100**	0.236	476	252	**0.050**	**0.050**	1540	1530
09/15/04	26.8	**12.5**	**0.0385**	**0.0787**	2.08	1.55	1.29	1.22	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	6110	6060	0.301	0.315	**0.050**		0.219	0.247	390	242	**0.119**	**0.050**	1540	1520
10/17/04	38.1	26.8	**0.0385**	**0.0385**	1.56	1.17	1.71	1.44	**0.0075**	**0.0075**	**0.750**	**0.750**	**1.55**	**1.55**	**0.0155**	**0.0155**	4530	4310	0.322	0.297	**0.050**		0.264	0.275	461	293	**0.05**	**0.050**	1190	1180
01/28/05	21.4		0.0344		1.07		1.47		**0.0075**		**0.00155**		**1.55**		**0.0158**		5680		0.561		0.0476		0.161		295		**0.0155**		1430	
01/29/05		9.66		0.0364		1.02		1.32		**0.0075**		**0.00155**		**1.55**		**0.00775**		5650		0.649		0.0460		0.232		184		**0.0155**		1440
03/19/05	10.8		0.0448	0.0334	1.17		1.57	1.81	**0.00327**	**0.001495**	**0.0123**	**0.003835**	2.49	2.15	**0.003095**	**0.003095**	5990	5840	0.344	0.230	0.0488	0.0620	0.200	0.217	213		0.116	**0.035**	1510	1350
05/07/05	68.4	18.5	0.0326	0.0228	1.50	0.969	1.91	1.33	**0.00381**	**0.001495**	**0.003835**	**0.003835**	2.14		**0.0108**	**0.0100**	4220	4060	**0.03565**	**0.112**	0.0656	0.0537	0.169		568	289	**0.035**		1040	1010
06/07/05	37.4	7.74	0.0374	0.0428	1.65	1.28	1.68	1.70	**0.0075**	**0.0075**	**0.00155**	**0.0034**	**1.55**	**1.55**	**0.00775**	**0.00775**	5390	5480	0.424	0.345	0.0794	0.063	0.181	0.168	436	167	**0.0155**		1450	1430
07/12/05	226	34.4	0.0218	0.0164	2.50	0.707	3.20	1.69	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5.00**	**5.00**	**0.00775**	**0.00775**	5070	4980	0.475	0.212	0.290	0.132	0.283	0.235	1530	267	**0.050**	**0.050**	1420	1440
08/17/05	385	18.6	1.61	0.0528	7.28	1.43	5.66	2.27	**0.0216**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7230	6130	1.28	0.596	0.511	0.155	0.551	0.212	3620	255	0.201	0.161	1800	1840
09/15/05	130	70.6	0.0264	0.0264	1.79	1.39	2.53	2.16	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5190	5160	0.397	0.336	0.145	0.113	0.380	0.431	945	415	**0.050**		1310	1320
10/30/05	76.8	16.2	0.024	0.0198	1.72	0.828	2.01	1.80	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**3.80**	**0.00775**	**0.00775**	5420	6100	0.621		0.0936	0.0864	0.228		630	208	**0.0155**		1530	1660
02/11/06	47.1	6.06	**0.0386**	0.0544	1.45	0.981	1.64	1.52	**0.012**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**2.63**	**0.0125**	**0.0125**	5940	6280	0.359		0.0618	0.0678	0.337	0.296	447	111	1.02	0.262	1580	1570
03/14/06	26.3	7.20	**0.025**	**0.025**	1.57	**0.155**	1.68	1.50	**0.012**	**0.0120**	0.0590	**0.0075**	**2.50**	**0.750**	**0.0125**	**0.0125**	6560	6590	0.343		0.0610	0.0562	0.175		319	98.8	**0.025**		1870	1770
05/20/06	130	46.7	**0.0250**	**0.0250**	0.941	0.640	2.11	1.64	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.750**	**0.750**	**0.0125**	**0.0125**	2720	2650	0.307	0.333	0.102	0.0806	0.295	0.380	856	559	0.0664		835	835
06/19/06	33.4	15.3	**0.0386**	**0.0326**	1.69	1.05	1.71	1.35	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.27**	**0.750**	**0.0125**	**0.0125**	4690	4890	**0.0500**		0.0916	0.0804	0.321	0.207	489	226	0.0646		1200	1210
07/25/06	22.1	11.1	**0.0292**	**0.0348**	1.73	1.12	1.60	1.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6590	6260	0.343	0.529	0.0902	0.0854	0.177		592	244	**0.050**	0.135	1450	1420
08/16/06	72.3	46.8	**0.0236**	**0.0178**	1.81	1.39	2.43	2.17	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5110	4700	0.567		0.122	0.113	0.289	0.370	665	357	0.157	0.142	1360	1230
09/15/06	94.6	58.2	**0.0075**	**0.0250**	1.39	0.892	2.12	1.85	**0.0125**	**0.0125**	**0.0250**	**0.0250**	**1.25**	**1.25**	**0.0185**	**0.0185**	3690	3520	0.657	0.346	0.120	0.0922	0.239		579	299	0.171		1070	968
11/04/06	45.7	16.5	**0.0075**	**0.0075**	1.26	1.00	2.04	2.29	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6360	6030	**0.100**	**0.0500**	0.0944	0.0860	0.210	0.214	523	241	**0.050**		1530	1560
12/14/06	20.4	9.34	**0.0075**	**0.0290**	1.10	0.606	1.49		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5700	6480	**0.0500**		0.0590	0.0576	0.162	0.243	304	126	0.244	0.125	1560	1830
02/21/07	57.2	7.66	0.0524	0.0508	1.93	0.795	1.94	2.36	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0364**	**0.0075**	5870	6660	0.414	**0.100**	0.0858	0.0684	0.366	0.268	527	123	0.732	0.101	1510	1640
03/17/07	22.1	5.89	0.0704	0.0580	1.57	1.13	2.08	1.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0904	**0.0386**	6510	7290	0.445	0.381	0.0464	0.0462	0.365	0.348	270	117	2.07	0.209	1640	1370
04/22/07	122	40.6	**0.0286**	**0.0282**	1.30	0.972	2.22	1.58	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3400	3100	0.408	0.370	0.0880	0.106	0.288		560	292	**0.0656**	**0.0466**	918	848
05/15/07	50.5	14.8	**0.0364**	**0.0330**	1.27	0.987	1.63	1.42	**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0075**	**0.0075**	4260	4240	0.454	0.271	0.0624		0.205		436	251	**0.050**	**0.050**	1090	1100
06/18/07	40.1	15.6	0.0510	0.0590	1.97	1.53	1.64	1.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5380	5180	0.380	0.343	0.0670	0.0570	0.403	0.198	420	252	0.170	**0.0155**	1440	1420
07/14/07	56.5	22.8	**0.0250**	**0.0250**	1.94	1.44	1.93	2.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5530	5250	0.466	0.354	0.0940	0.0754	0.197		589	291	**0.0155**	**0.050**	1400	1380
08/14/07	32.9	13.0	**0.0350**	**0.0386**	2.33	1.64	1.73	1.61	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6020	5540	0.449	**0.183**	0.0708	0.0742	0.201		526	263	**0.0155**	**0.0155**	1490	1350
09/17/07	51.9	22.6	**0.0284**	**0.0372**	2.15	1.43	2.06	2.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6030	5820	**0.100**	0.270	0.0870	0.0730	0.177	0.256	619	307	**0.0155**	**0.0155**	1420	1380
10/12/07	29.1	20.9	**0.0344**	**0.0304**	1.55	1.17	1.78	1.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5280	5250	0.442	0.578	0.0688	0.0652	0.216	0.171	414	286	**0.050**	**0.050**	1320	1320
11/11/07	25.3	20.6	**0.0242**	**0.0308**	1.15	0.957	1.51	1.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4310	4360	**0.100**	0.237	0.0480	0.0528	0.230		318	176	**0.0155**	**0.050**	1060	1140
12/12/07	22.8	18.2	**0.0314**	**0.0446**	1.04	0.883	1.49		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5250	5660	0.402	0.230	0.0446		0.168		303	224	**0.050**	**0.050**	1260	1380
02/24/08	50.2	10.9	**0.0250**	**0.0250**	1.45	0.931	1.73	1.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5800	6270	0.481	0.343	0.0530	0.0540	0.148		299	135	**0.0155**	**0.0155**	1490	1580
03/17/08	52.5	10.1	**0.0414**	**0.0490**	1.93	1.06	1.70		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**3.07**	**0.0075**	**0.0075**	6480	6870	0.336	0.481	0.0690	0.0536	0.127		480	189	**0.0155**	**0.0406**	1590	1630
04/20/08	94.5	13.0	**0.0075**	**0.0164**	2.14	0.941	2.07	1.58	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5320	5190	0.626	0.520	0.0935		0.596		675	195	**0.050**	**0.050**	1420	1410
05/18/08	69.1	27.4	**0.0173**	**0.0186**	1.14	0.960	1.73	1.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3200	3240	0.209	**0.100**	0.0602	0.0536	0.203		510	339	**0.050**	**0.050**	828	837
11/21/08	50.6	9.75	**0.0075**	**0.0075**	1.41	1.06	1.69		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5730		0.290	0.366	0.0590	0.0683	0.187	0.221	330	132	**0.0155**	**0.0155**	1500	
12/10/08	41.7	8.60	**0.0075**	**0.0075**	1.83	1.09	1.72	1.61	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6430	6070	0.302	0.320	0.0692	0.0606	0.216		417	177	**0.0155**	**0.0155**	1740	1630
Mean	63.5	19.9	0.0712	0.0418	1.79	1.11	1.91	1.69	0.0109	0.0104	0.1197	0.1187	1.60	1.64	0.0136	0.0113	5360	5340	0.391	0.318	0.0896	0.0754	0.271	0.255	590	243	0.154	0.0666	1380	1370
Median	46.4	15.3	0.0320	0.0326	1.61	1.06	1.73	1.61	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0078	0.0078	5480	5540	0.370	0.318	0.0689	0.0683	0.218	0.240	485	251	0.050	0.0500	1440	1380
St. Deviation	66.2	14.7	0.2501	0.0408	0.980	0.330	0.710	0.300	0.0032	0.0031	0.2683	0.2686	0.870	0.980	0.0138	0.0062	1030	1090	0.245	0.142	0.0799	0.0258	0.139	0.0740	540	91.0	0.364	0.0596	250	260
# of values	40	39	40	39	40	39	40	35	40	40	40	40	40	39	40	40	40	39	40	34	40	31	40	24	40	39	40	31	40	39
Minimum	10.8	5.89	0.0075	0.0075	0.941	0.155	1.09	1.22	0.00327	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	2720	2650	0.03565	0.0500	0.0446	0.046	0.100	0.100	213	98.8	0.0155	0.0155	828	835
Maximum	385	70.6	1.61	0.253	7.28	1.87	5.66	2.36	0.0216	0.0125	0.750	0.750	5.00	5.00	0.0904	0.0386	7230	7290	1.28	0.649	0.511	0.155	0.772	0.431	3620	559	2.07	0.262	1870	1840
Lowest fifth percentile	20	7	0	0	1	1	1	1	0	0	0	0	1	1	0	0	3390	3226	0	0	0	0	0	0	294	116	0	0	914	847
% of values undetected	3%	10%	40%	28%	0%	3%	0%	0%	93%	100%	95%	98%	93%	90%	90%	98%	0%	0%	18%	9%	13%	0%	3%	4%	0%	0%	68%	71%	0%	0%
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.057	0.057	NA	NA	10.98	10.56276	NA	NA	1.552	1.490	1000	1000	0.220	0.241	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA
% of CALC exceedences	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	10%	3%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
KC100A																										
Sample Date																										
05/20/04	13.1	15.9	0.0027		**0.426**	**0.349**	**0.100**	0.301	386	396	**0.155**	**0.155**	4230	**0.00310**	**0.00310**	2210	2130	**0.0250**	**0.0125**	**0.155**	**0.155**	1.69	0.961	**0.750**	**0.750**
05/21/04																										
06/05/04																										
06/15/04	13.6		**0.0009**		**0.411**	**0.406**	0.221	0.345	376	373	**0.155**	**0.155**	4660	**0.00310**		2450	2490	**0.0125**	**0.0125**	**0.155**	**0.155**	1.01	0.975	**0.750**	**0.750**
07/13/04	16.9	13.4	0.0032		**0.403**	**0.575**	0.490	0.554	478	468	**0.155**	**0.155**	5920	**0.0031**	**0.0031**	2690	2780	**0.0125**	**0.0125**	**0.155**	**0.155**	1.22	1.07	2.49	**0.750**
08/15/04																										
08/23/04	9.47	9.05	0.0011		**0.597**	**0.445**	**0.168**		510	495	**0.155**	**0.155**	6920	**0.0031**	**0.0031**	2640	2560	0.0551	**0.0125**	**0.155**	**0.155**	0.882	0.627	**0.750**	**0.750**
09/15/04	8.69	8.67	0.0011		**0.496**	**0.431**	0.211	0.386	479	475	**0.155**	**0.155**	6270	**0.0031**	**0.0031**	2870	2860	**0.0125**	**0.0125**	**0.155**	**0.155**	0.844	0.650	1.68	1.58
10/17/04	14.2	14.5	0.0014		**0.328**	**0.342**	**0.154**		336	328	**0.155**	**0.155**	5500	**0.0031**	**0.0031**	2310	2310	**0.0125**	**0.0125**	**0.155**	**0.155**	0.891	0.649	**0.750**	2.10
01/28/05	9.17		**0.0005**		0.404		0.188		471		**0.0775**			**0.0031**		2710		**0.0031**		**0.031**		0.864		**0.750**	
01/29/05		9.06				0.414		0.278		477		**0.0775**	6480		**0.0031**		2760		**0.0031**		**0.031**		0.601		
03/19/05	14.0	14.4	**0.0025**		0.382	0.463	0.498	**0.045**	590	558	**0.0143**	0.0390	5790	**0.001435**	**0.005000**	2670	2600	**0.0050**	**0.0050**	**0.0302**	**0.0302**	0.772		2.16	**0.500**
05/07/05	14.1	9.03	**0.000147**		0.262	0.175	**0.045**		416	430	0.0343	**0.0143**	4640	**0.001435**	**0.001435**	1860	1990	**0.002125**	**0.002125**	0.0806	**0.0302**	1.00	0.603	0.605	
06/07/05	14.7	13.7	**0.000450**		0.345		0.286		413	397	**0.0775**	**0.0775**	4610	**0.0031**	**0.0031**	2780	2780	**0.0031**	**0.0031**	**0.031**	**0.031**	0.801	0.755	**0.2325**	**0.750**
07/12/05	39.3	16.5	**0.000450**		0.173	0.151	0.276		429	445	**0.0775**	**0.0775**	5710	**0.0031**	**0.0031**	2650	2760	**0.0031**	**0.0031**	**0.031**	**0.031**	2.51	0.756	12.5	13.8
08/17/05	70.4	21.1	**0.000450**		0.234	0.226	0.509	0.531	936	836	0.169	**0.0775**	7290	**0.0031**	**0.0031**	2910	3070	**0.0031**	**0.0031**	**0.031**	**0.031**	4.66	1.05	5.62	**0.750**
09/15/05	18.4	11.8	**0.000450**		0.289	0.293	0.472		537	536	**0.0775**	**0.0775**	5030	**0.0031**	**0.0031**	2530	2700	**0.0031**	**0.0031**	**0.031**	**0.031**	1.33	0.892	1.80	
10/30/05	15.6	15.3	**0.000450**		0.312	0.378	0.317		443	498	**0.0775**	**0.0775**	6950	**0.0031**	**0.0031**	2870	3170	**0.0031**	**0.0031**	**0.031**	**0.031**	1.19	0.813	**1.47**	1.69
02/11/06	13.1	12.7	**0.000475**		0.466	0.564	0.391		519	559	**0.155**	**0.155**	6730	**0.0031**	**0.0031**	3130	3140	**0.0025**	0.0118	**0.0155**	**0.0155**	1.04	**0.110**	2.74	2.91
03/14/06	11.6	10.1	**0.000475**		0.462	0.457	0.218	0.298	578	575	**0.155**	**0.155**	7340	**0.0031**	**0.0031**	3450	3350	**0.005**	**0.0025**	**0.0155**	**0.0155**	**0.250**	0.749	2.05	
05/20/06	15.2	9.90	**0.00250**		0.126	0.101	**0.100**	0.282	582	573	**0.155**	**0.155**	1080	**0.0031**	**0.0031**	1680	1790	**0.0025**	**0.0025**	**0.0155**	0.0584	1.27	0.927	1.08	
06/19/06	14.7	13.2	**0.000475**		0.395	0.335	0.357	0.320	361	382	**0.155**	**0.155**	551	**0.0031**	**0.0031**	2510	2570	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.840	0.910	1.98	1.91
07/25/06	16.3	14.2	**0.000475**		0.430	0.429	0.203	0.337	453	443	**0.155**	**0.155**	4820	**0.0031**	**0.0031**	2760	2780	**0.0050**	**0.0050**	**0.050**	**0.050**	1.12	0.572	**0.500**	1.91
08/16/06	19.4	15.2	**0.00250**		0.296	0.262	0.248		348	332	**0.155**	**0.155**	4840	**0.0031**	**0.0031**	2490	2330	**0.0050**	**0.0050**	**0.050**	**0.050**	0.634	**0.250**	2.45	2.06
09/15/06	14.4	9.46	**0.00250**		0.176	0.164	0.162		319	304	**0.155**	**0.155**	4330	0.0100	0.0136	2080	1940	**0.0050**	**0.0050**	**0.050**	**0.050**	1.10	**0.250**	**0.500**	
11/04/06	19.1	18.0	**0.000475**		0.456	0.389	**0.100**	**0.100**	494	486	**0.155**	**0.155**	4990	**0.0031**	**0.0031**	2850	2890	**0.0050**	**0.0050**	**0.050**	**0.050**	2.04	1.44	3.18	2.92
12/14/06	12.4	11.3	**0.000475**		0.422	0.448	0.241	0.331	490	568	**0.155**	**0.155**	6490	**0.0031**	**0.0031**	2890	3330	**0.0050**	**0.0050**	**0.050**	**0.050**	0.799	**0.250**	**0.500**	
02/21/07	12.6	9.86	0.000832		0.459	0.508	0.417	0.436	489	549	**0.155**	**0.155**	6750	**0.0031**	**0.0031**	3010	2910	0.0112	**0.0050**	**0.050**	**0.050**	1.54	0.528	6.84	4.64
03/17/07	8.90	7.99	**0.000169**		0.441	0.473	0.232	0.256	545		**0.155**	**0.155**	5940	**0.0031**	**0.0031**	3210	2900	**0.0050**	0.0106	**0.050**	**0.050**	**0.500**	1.07	3.21	2.42
04/22/07	16.4	13.8	**0.00250**		0.243	0.235	**0.100**		675	639	**0.155**	**0.155**	3090	**0.0031**	**0.0031**	1780	1650	**0.0050**	**0.0050**	**0.050**	**0.050**	1.19	0.630	1.39	
05/15/07	12.5	13.9	0.000467		0.340	0.342	**0.100**		437	450	**0.155**	**0.155**	4640	**0.0031**	**0.0031**	2080	2130	**0.0050**	**0.0050**	**0.050**	**0.050**	0.946	0.509	1.62	
06/18/07	13.1	10.8	**0.000169**		0.460	0.439	**0.100**	0.212	435	434	**0.155**	**0.155**	5640	**0.0031**	**0.0031**	2820	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	1.30	0.946	1.91	**0.500**
07/14/07	15.5	11.4	0.000619		0.454	0.424	0.234		386	393	**0.155**	**0.155**	5390	**0.0031**	**0.0031**	2770	2610	**0.0050**	**0.0050**	**0.050**	**0.050**	1.41	0.777	**0.500**	
08/14/07	11.8	9.14	**0.000169**		0.446	0.417	**0.100**		500	470	**0.155**	**0.155**	5290	**0.0031**	**0.0031**	2770	2540	**0.0050**	**0.0050**	**0.050**	**0.050**	1.26	0.779	1.10	
09/17/07	15.6	12.8	**0.00250**		0.417	0.393	**0.100**	0.326	456	452	**0.155**	**0.155**	5820	**0.0031**	**0.0031**	2800	2690	**0.0050**	**0.0050**	**0.050**	**0.050**	1.34	0.760	1.63	1.88
10/12/07	11.8	11.2	**0.000169**		0.364	0.346	**0.100**	0.220	372	362	**0.155**	**0.155**	6250	**0.0031**	**0.0031**	2480	2450	**0.0050**	**0.0050**	**0.050**	**0.050**	0.885	0.663	2.65	2.74
11/11/07	7.69	7.01	**0.000169**		0.246	0.224	**0.100**	0.219	318	339	**0.155**	**0.155**	6110	**0.0031**	**0.0031**	2130	2240	**0.0050**	**0.0050**	**0.050**	**0.050**	0.773	0.613	1.45	1.40
12/12/07	8.00	7.32	**0.000169**		0.347	0.367	**0.100**		397	457	**0.155**	**0.155**	6530	**0.0031**	**0.0031**	2630	2730	**0.0050**	**0.0050**	**0.050**	**0.050**	0.497	0.545	1.29	2.15
02/24/08	9.23	9.34	**0.00075**		0.389	0.419	**0.100**		541	572	**0.155**	**0.155**	7730	**0.0031**	**0.0031**	2930	3110	**0.0050**	**0.0050**	**0.050**	**0.050**	1.10	0.655	**0.500**	
03/17/08	17.2	13.7	**0.00075**		0.488	0.478	**0.100**	0.265	517	553	**0.155**	**0.155**	6850	**0.0031**	**0.0031**	2920	2970	**0.0050**	**0.0050**	**0.050**	**0.050**	1.28	0.743	**0.500**	
04/20/08	18.2	15.6	**0.00075**		0.278	0.275	0.228		498	506	**0.155**	**0.155**	6240	**0.0031**	**0.0031**	2580	2580	**0.0050**	**0.0050**	**0.050**	**0.050**	1.51	0.628	1.10	
05/18/08	13.2	10.3	0.00215		0.228	0.226	**0.100**	0.300	379	391	**0.155**	**0.155**	3550	**0.0031**	**0.0031**	1620	1650	**0.0050**	**0.0050**	**0.050**	**0.050**	1.08	0.775	1.62	1.44
11/21/08	14.9	16.8	**0.00075**		0.303		0.267	0.324	476		**0.155**	**0.155**	7890	**0.0031**	**0.0031**	2770		**0.0050**	**0.0050**	**0.050**	**0.050**	0.942	0.728	**0.500**	1.64
12/10/08	16.8	14.3	**0.00250**		0.377	0.348	0.171	0.266	541	515	**0.155**	**0.155**	6880	**0.0031**	**0.0031**	3150	2940	**0.0050**	**0.0050**	**0.050**	**0.050**	0.891	0.516	2.33	1.60
Mean	15.8	12.4	0.001043	NA	0.364	0.361	0.215	0.301	473	474	0.139	0.137	5540	0.0032	0.0034	2610	2610	0.0071	0.0059	0.060	0.060	1.18	0.711	1.94	2.17
Median	14.2	12.7	0.000560	NA	0.386	0.384	0.196	0.300	474	469	0.155	0.155	5810	0.0031	0.0031	2700	2700	0.0050	0.0050	0.050	0.050	1.06	0.728	1.46	1.67
St. Deviation	10.2	3.20	0.000933	NA	0.102	0.114	0.129	0.113	110	102	0.0370	0.0380	1560	0.0012	0.0017	420.0	430.0	0.0088	0.0033	0.043	0.042	0.700	0.255	2.17	2.55
# of values	40	39	40	0	40	38	40	23	40	38	40	40	40	40	39	40	39	40	40	40	40	40	39	40	26
Minimum	7.69	7.01	0.000147	NA	0.126	0.101	0.045	0.045	318	304	0.0143	0.0143	551	0.001435	0.001435	1620	1650	0.002125	0.002125	0.0155	0.0155	0.250	0.110	0.2325	0.500
Maximum	70.4	21.1	0.0032	NA	0.597	0.575	0.509	0.554	936	836	0.169	0.155	7890	0.0100	0.0136	3450	3350	0.0551	0.0125	0.155	0.155	4.66	1.44	12.5	13.8
Lowest fifth percentile	9	8	0	NA	0	0	0	0	335	331	0	0	2990	0	0	1775	1776	0	0	0	0	0	0	1	1
% of values undetected	0%	0%	75%		0%	0%	38%	9%	0%	0%	95%	98%	0%	98%	97%	0%	0%	95%	95%	98%	98%	5%	10%	33%	31%
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.012	0.012	NA	NA	8.83	8.81	NA	NA	5	4.6	NA	0.1097233	0.093	NA	NA	NA	NA	NA	NA	NA	NA	20.23	19.95
Drinking Water Standards (DWS)[2]	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	3%	0%	0%	#DIV/0!	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Key:

Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

Footnotes:

(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

APPENDIX 9.1C

Photographic Log for Seep Sampling Locations, Surface Water Quality, Mine Study Area 2004-2008

V-Necked Weir Method: V-Necked weir seep sampling method.

Rectangular Weir Method: Rectangular weir seep sampling method.

Direct Catch Method: Direct catch seep sampling method.

PHOTO 1: Up-gradient view of seep station SP0105, taken in October 2005.

PHOTO 2: Down-gradient view of seep station SP0105, taken in October 2005.

PHOTO 3: Up-gradient view of seep station SP0205, taken in October 2005.

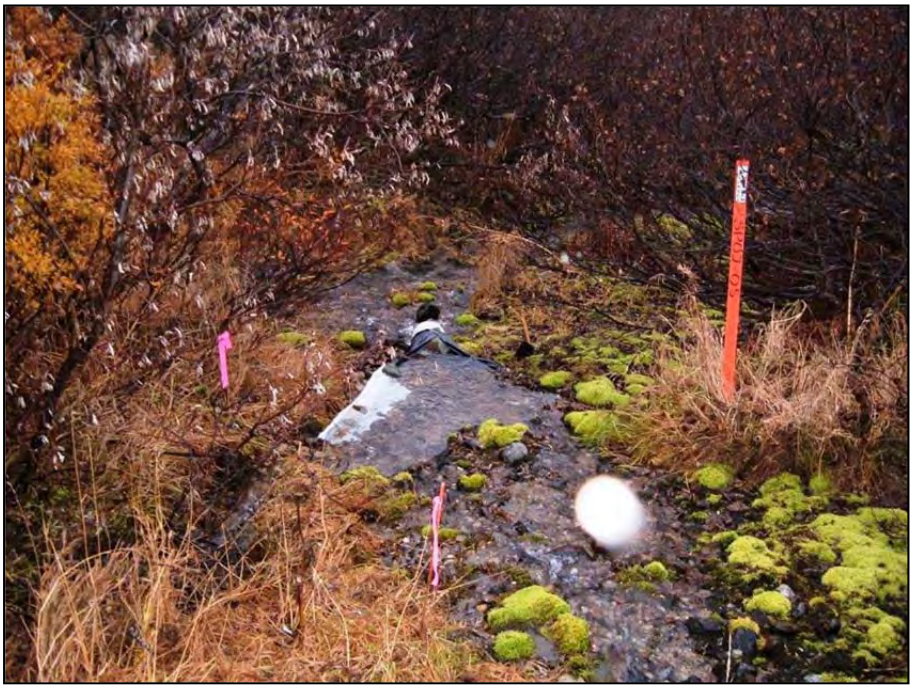


PHOTO 4: Down-gradient view of seep station SP0205, taken in October 2005.

PHOTO 5: Up-gradient view of seep station SP0305, taken in October 2005.

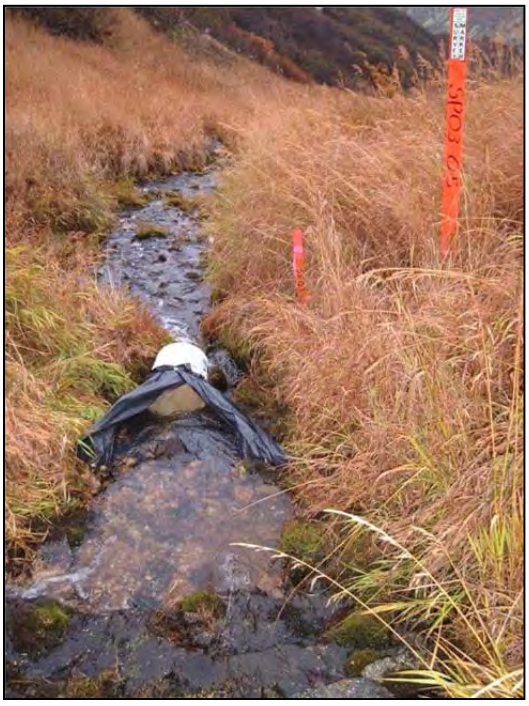


PHOTO 6: Down-gradient view of seep station SP0305, taken in October 2005.

PHOTO 7: Up-gradient view of seep station SP0405, taken in August 2005.

PHOTO 8: Down-gradient view of seep station SP0405, taken in August 2005.

PHOTO 9: Up-gradient view of seep station SP0605, taken in October 2005.

PHOTO 10: Down-gradient view of seep station SP0605, taken in October 2005.

PHOTO 11: Up-gradient view of seep station SP0705, taken in August 2005.

PHOTO 12: Down-gradient view of seep station SP0705, taken in August 2005.

PHOTO 13: Up-gradient view of seep station SP0805, taken in August 2005.

PHOTO 14: Down-gradient view of seep station SP0805, taken in August 2005.

PHOTO 15: Up-gradient view of seep station SP0905, taken in October 2005.

PHOTO 16: Down-gradient view of seep station SP0905, taken in October 2005.

PHOTO 17: Up-gradient view of seep station SP1005, taken in October 2005.

PHOTO 18: Down-gradient view of seep station SP1005, taken in October 2005.

PHOTO 19: Up-gradient view of seep station SP1105, taken in October 2005.

PHOTO 20: Down-gradient view of seep station SP1105, taken in October 2005.

PHOTO 21: Up-gradient view of seep station SP12, taken in October 2005.

PHOTO 22: Down-gradient view of seep station SP12, taken in October 2005.

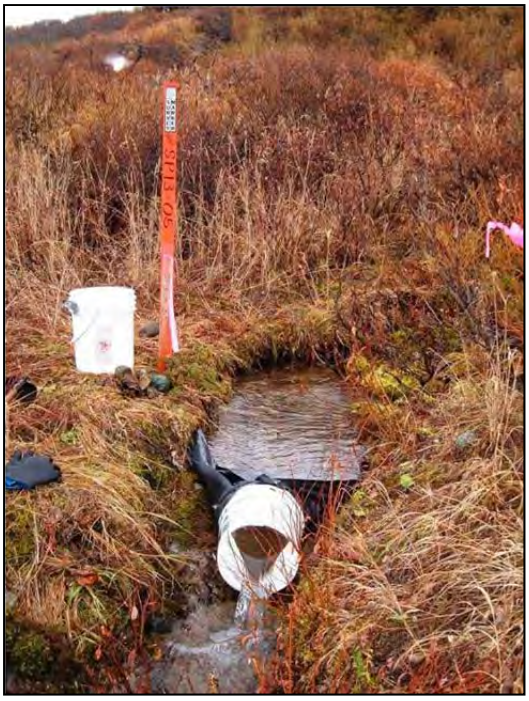


PHOTO 23: Up-gradient view of seep station SP1305, taken in October 2005.

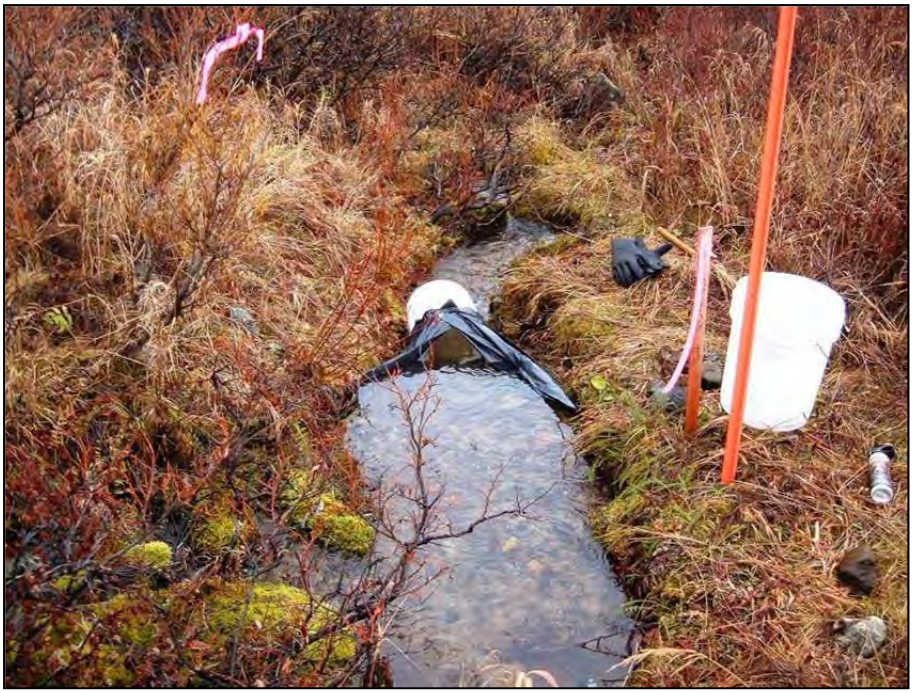


PHOTO 24: Down-gradient view of seep station SP1305, taken in October 2005.

PHOTO 25: Up-gradient view of seep station SP1405, taken in October 2005.

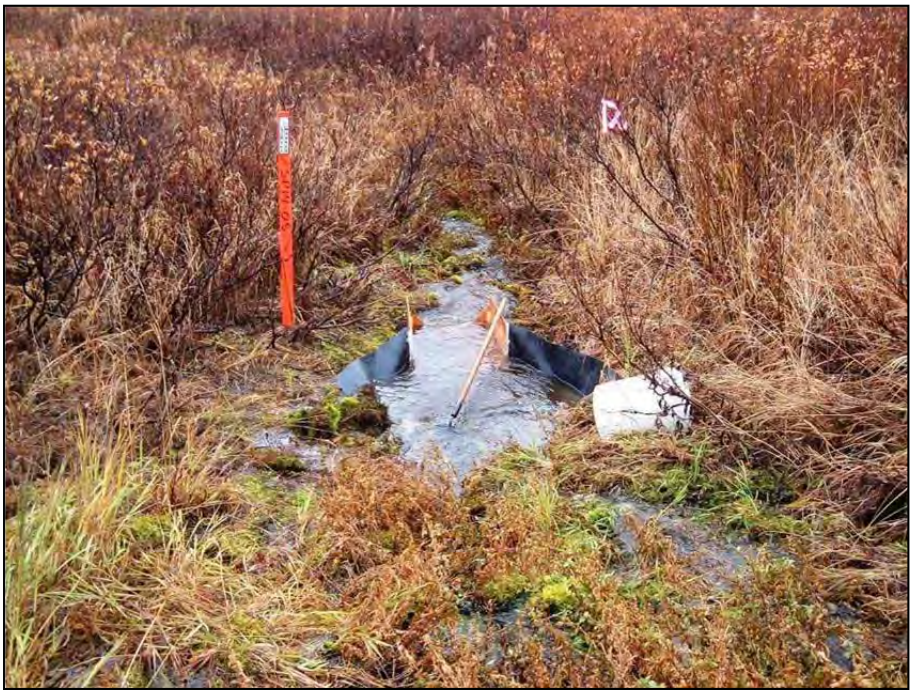


PHOTO 26: Down-gradient view of seep station SP1405, taken in October 2005.

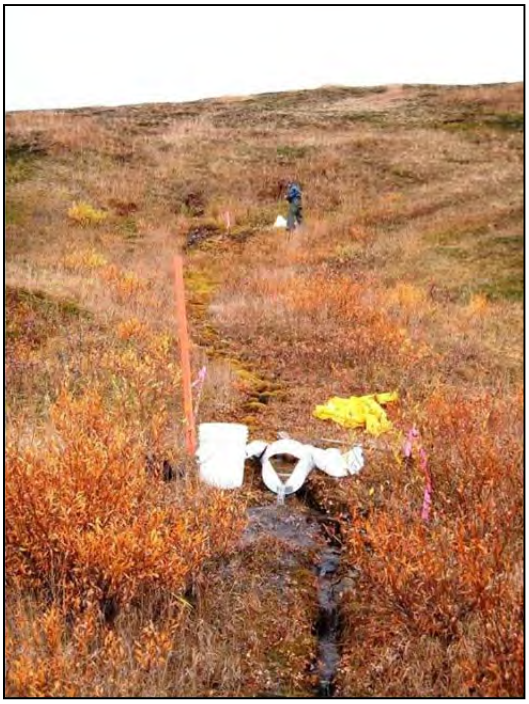


PHOTO 27: Up-gradient view of seep station SP1505, taken in October 2005.

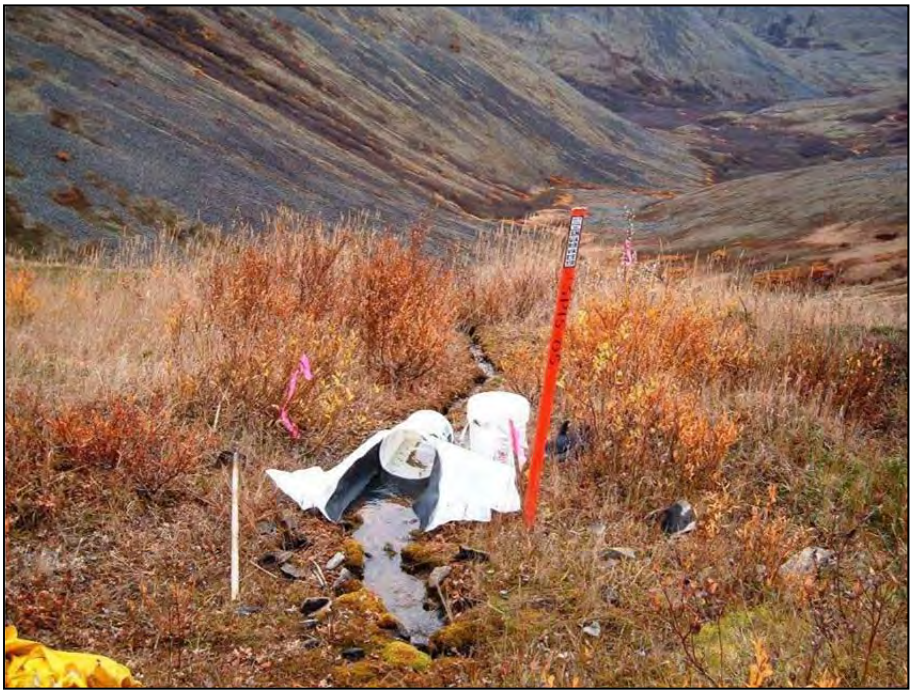


PHOTO 28: Down-gradient view of seep station SP1505, taken in October 2005.

PHOTO 29: Up-gradient view of seep station SP1605, taken in October 2005.

PHOTO 30: Down-gradient view of seep station SP1605, taken in October 2005.

PHOTO 31: Up-gradient view of seep station SP1705, taken in October 2005.

PHOTO 32: Down-gradient view of seep station SP1705, taken in October 2005.

PHOTO 33: Up-gradient view of seep station SP1805, taken in October 2005.

PHOTO 34: Down-gradient view of seep station SP1805, taken in October 2005.

PHOTO 35: Up-gradient view of seep station SP1905, taken in October 2005.

PHOTO 36: Down-gradient view of seep station SP1905, taken in October 2005.

PHOTO 37: Up-gradient view of seep station SP2005, taken in October 2005.

PHOTO 38: Down-gradient view of seep station SP2005, taken in October 2005.

PHOTO 39: Up-gradient view of seep station SP2105, taken in October 2005.

PHOTO 40: Down-gradient view of seep station SP2105, taken in October 2005.

PHOTO 41: Up-gradient view of seep station SP2205, taken in October 2005.

PHOTO 42: Down-gradient view of seep station SP2205, taken in October 2005.

PHOTO 43: Up-gradient view of seep station SP2305, taken in August 2005.

PHOTO 44: Down-gradient view of seep station SP2305, taken in August 2005.

PHOTO 45: Down-gradient view of seep station SP2405, taken in August 2005.

PHOTO 46: View of direct catch discharge measurement looking up-gradient at seep station SP2405, taken in August 2005.

PHOTO 47: Up-gradient view of seep station SP2505, taken in August 2005.

PHOTO 48: Down-gradient view of seep station SP2505, taken in August 2005.

APPENDIX 9.1D

Outlier Analysis of Surface Water Quality Data at Individual Sampling Stations, Mine Study Area 2004-2008

APPENDIX 9.1D
CONTROL PLOTS SHOWING OUTLIERS AT INDIVIDUAL SAMPLING LOCATIONS (2004-2008)

Appendix 9.1D - Control Plots Showing Outliers at Individual Sampling Locations (2004-2008)

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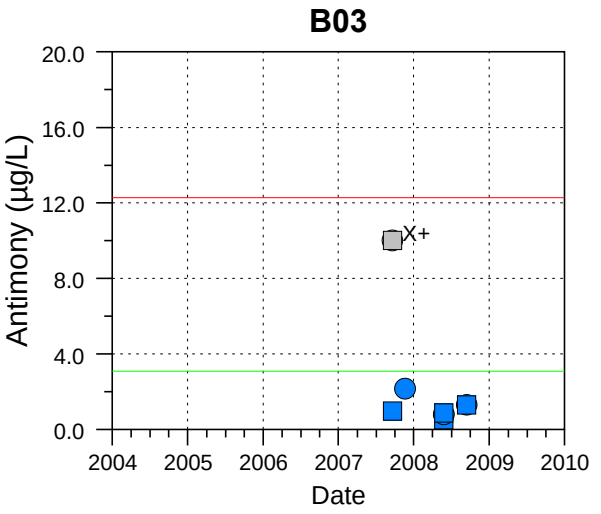

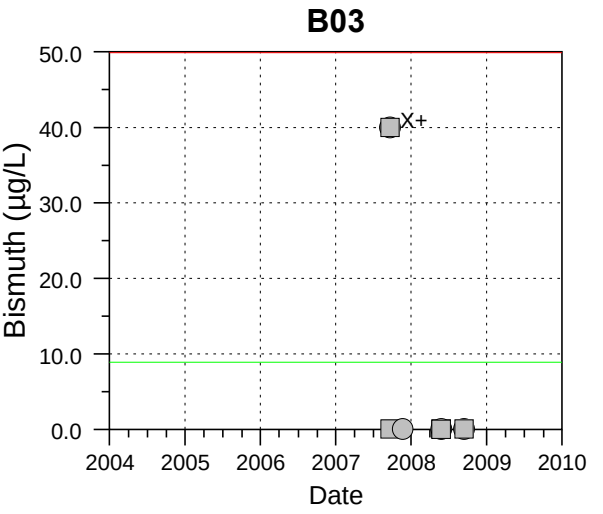

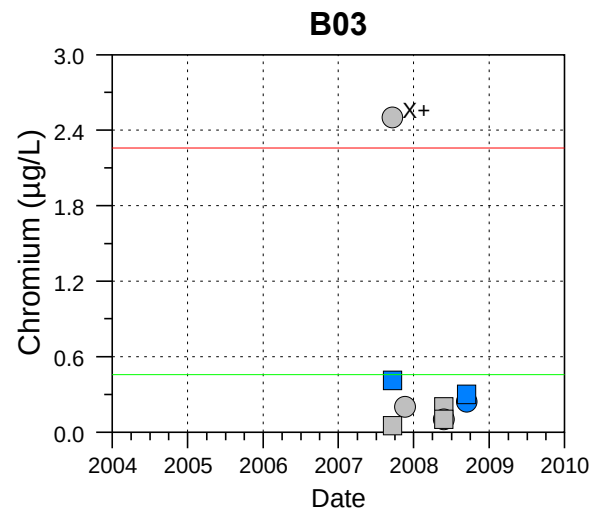

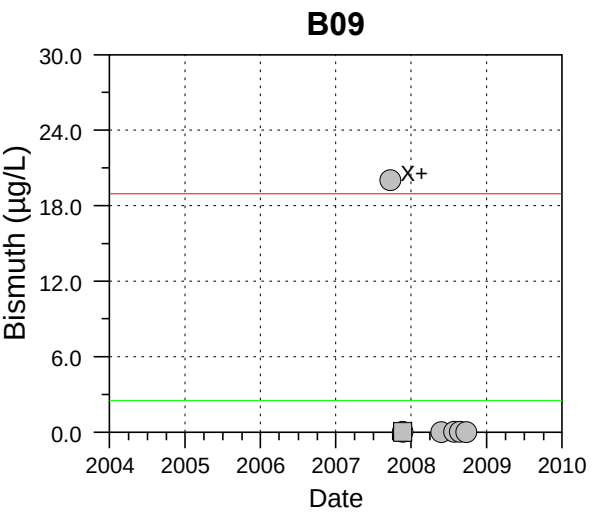

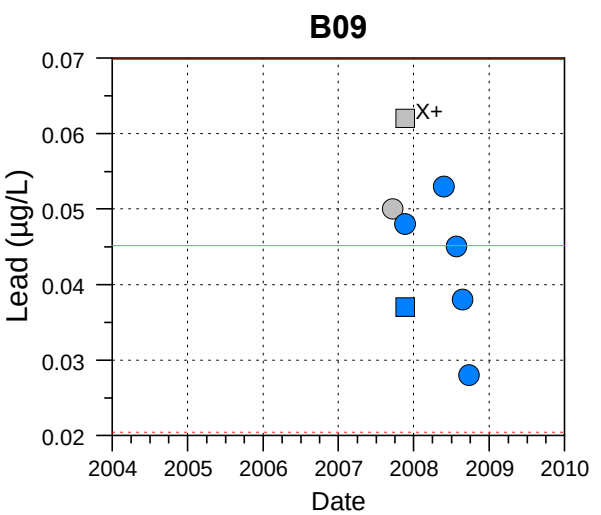

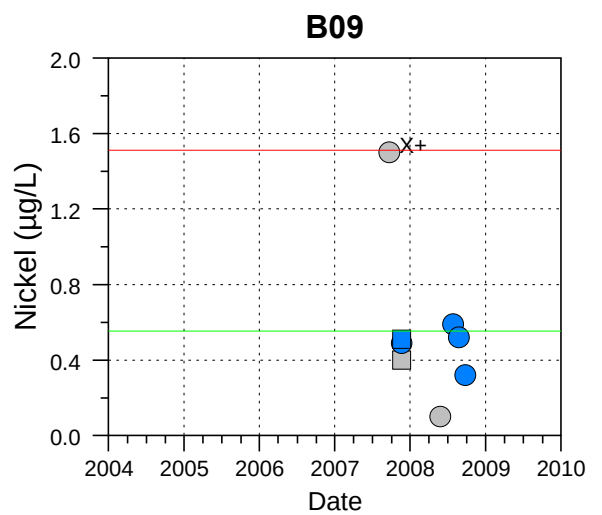

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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3) ug/L = micrograms per liter

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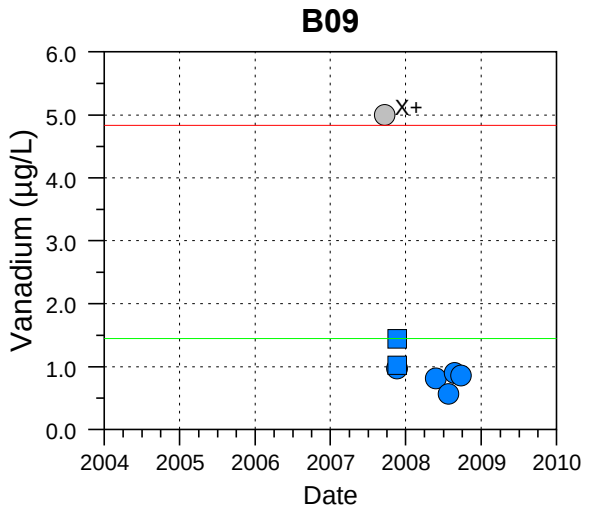
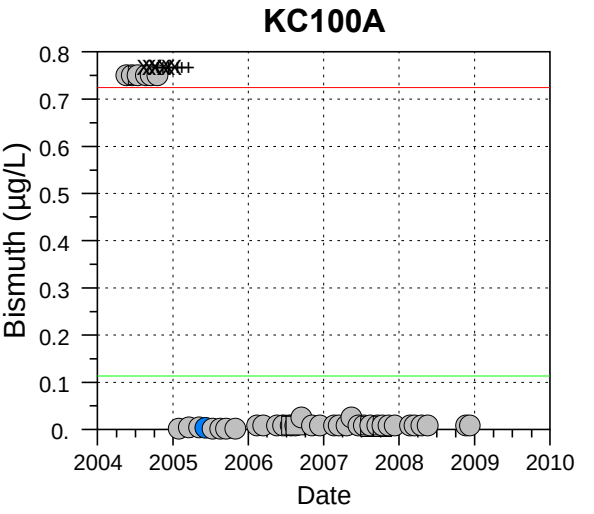
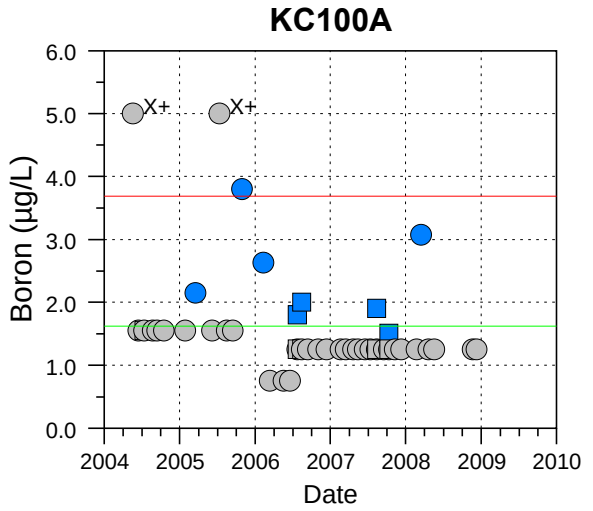
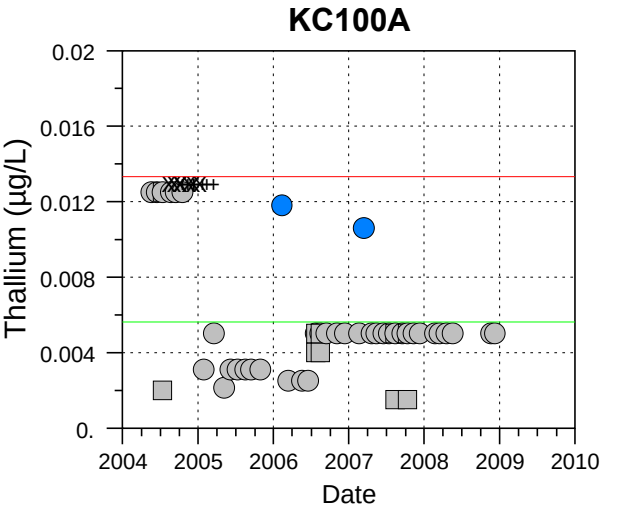
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

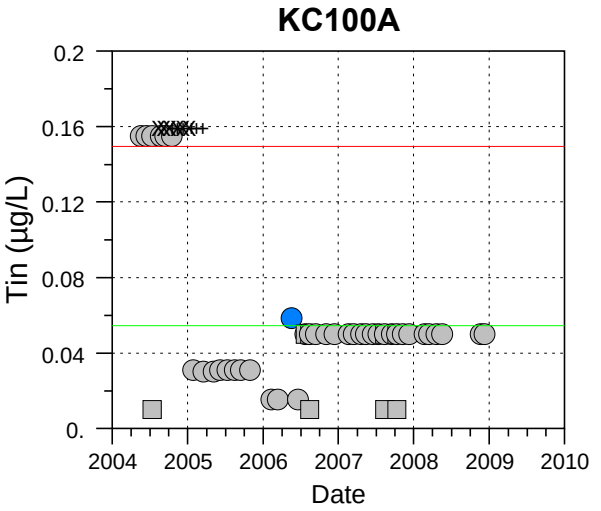
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

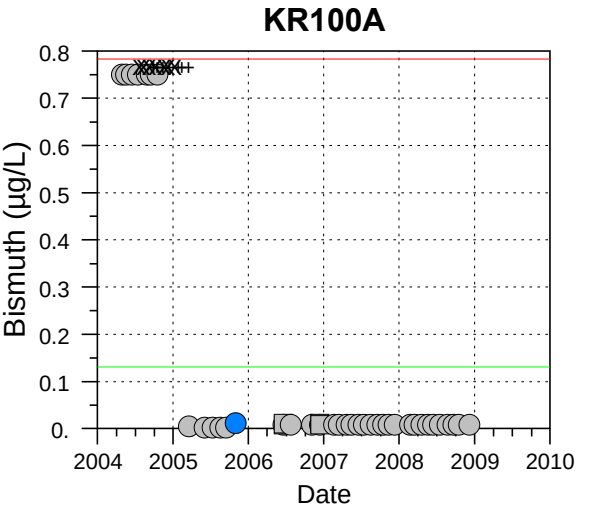












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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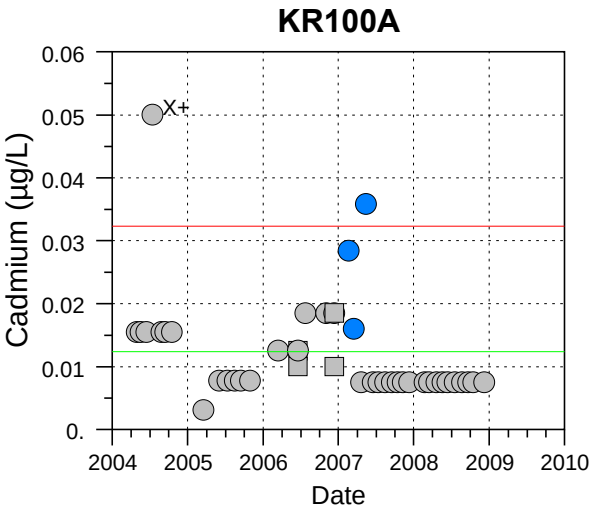
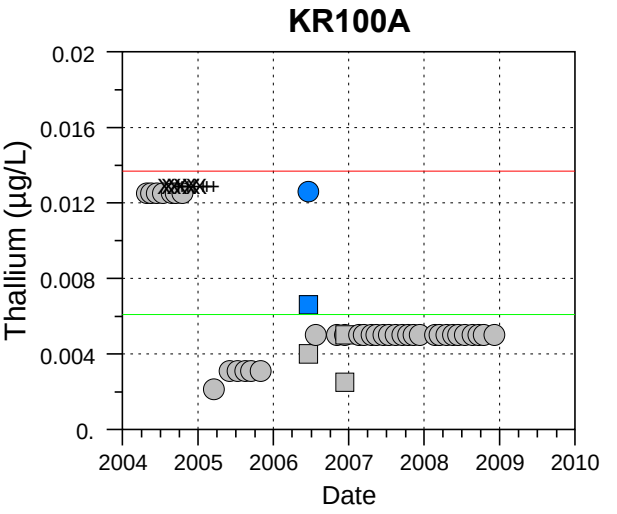
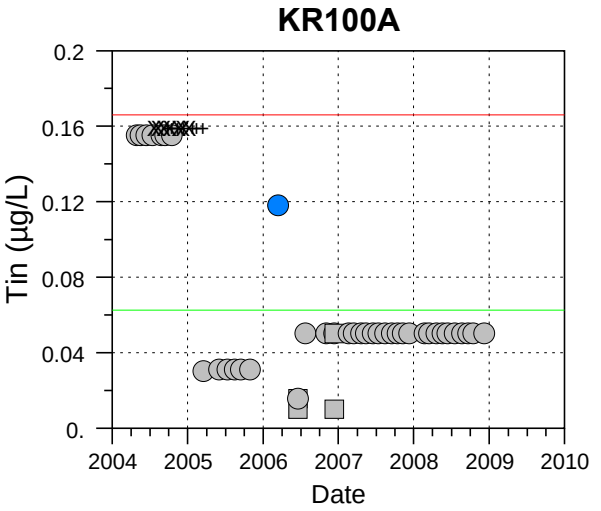
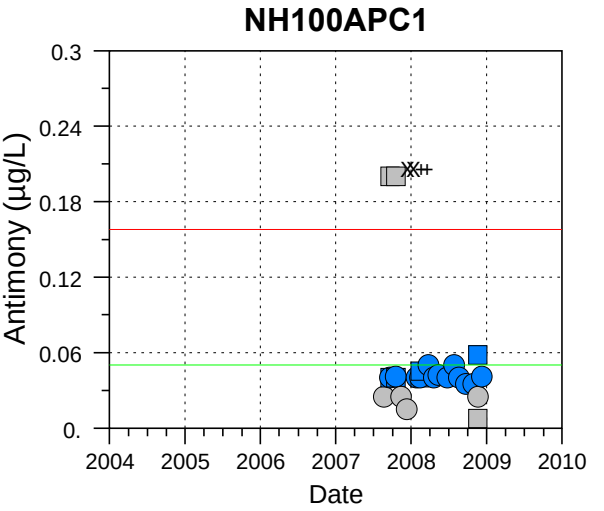
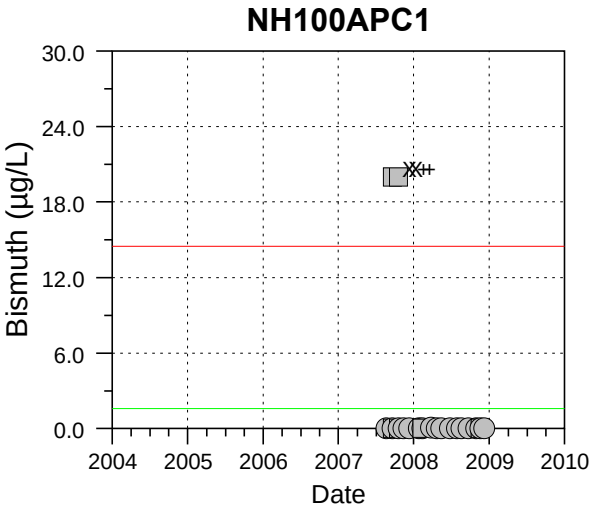
Version: 1	Author: SWS-ca

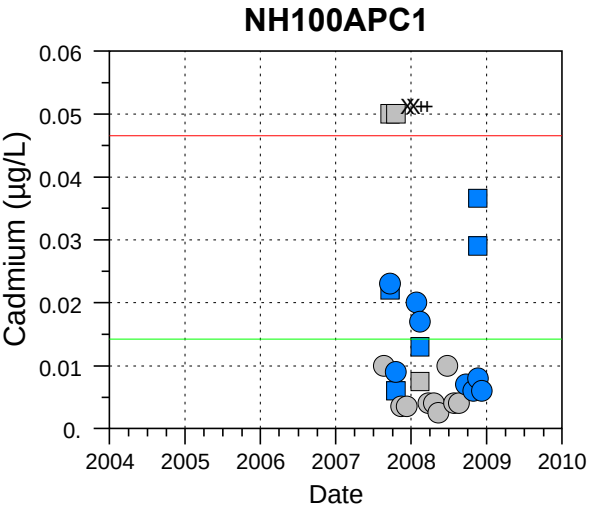












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
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X+ outlier, very high value

Notes:

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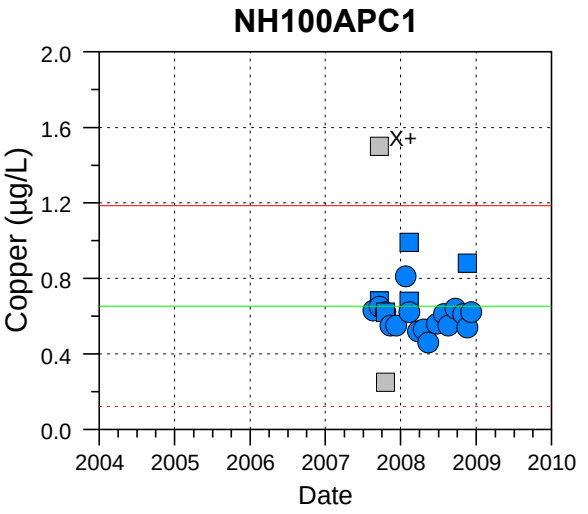

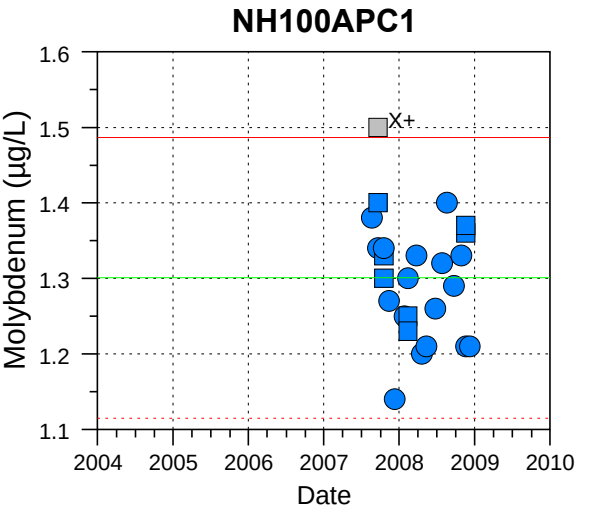

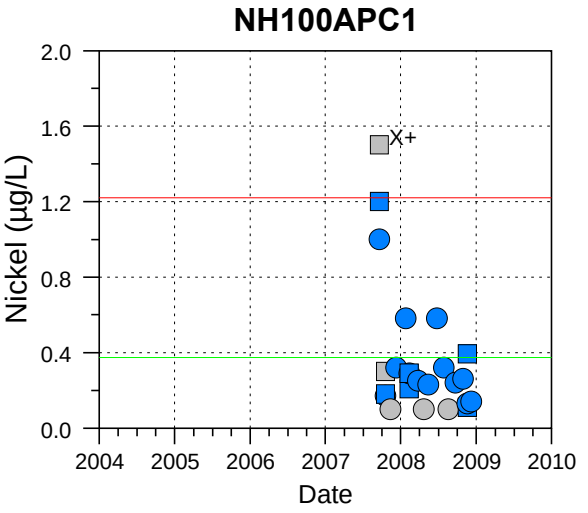

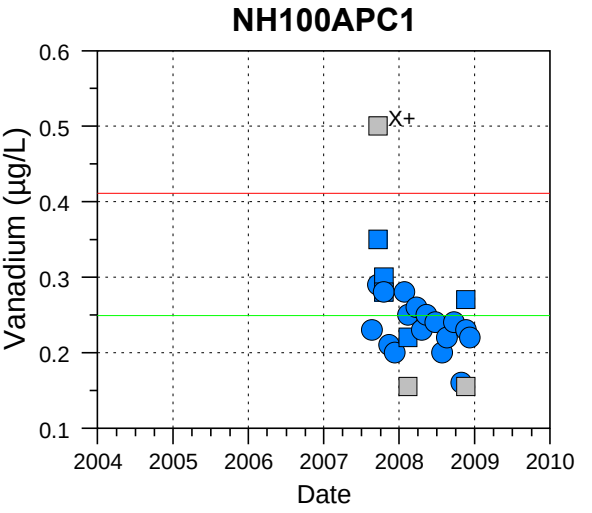

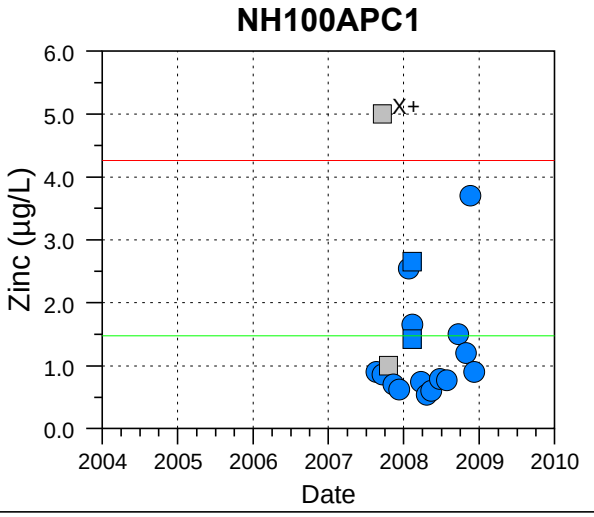

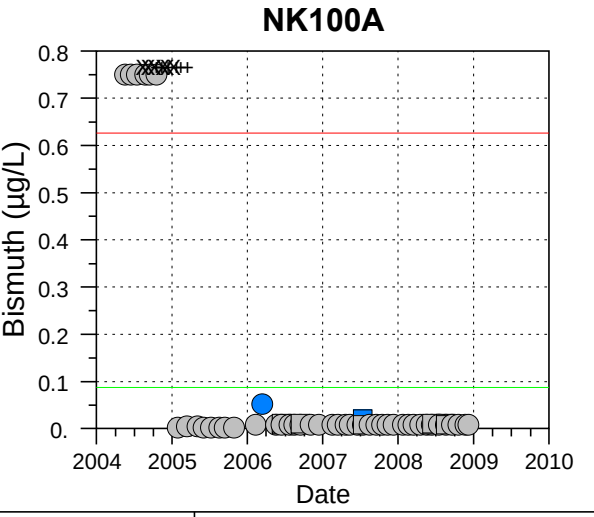

Legend

- Analytical Result
- Quality Control Sample Result
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- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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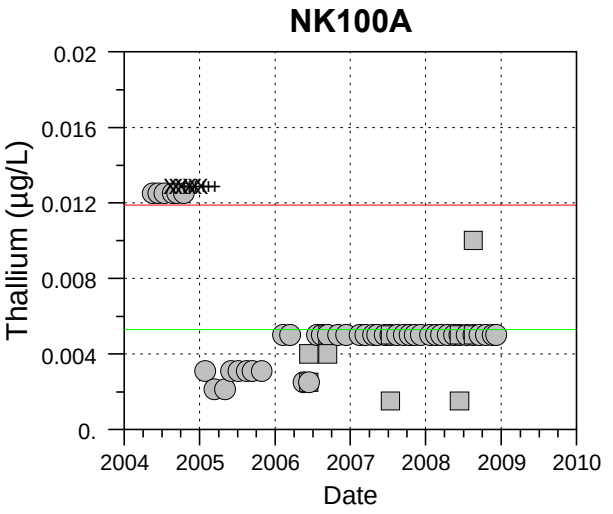
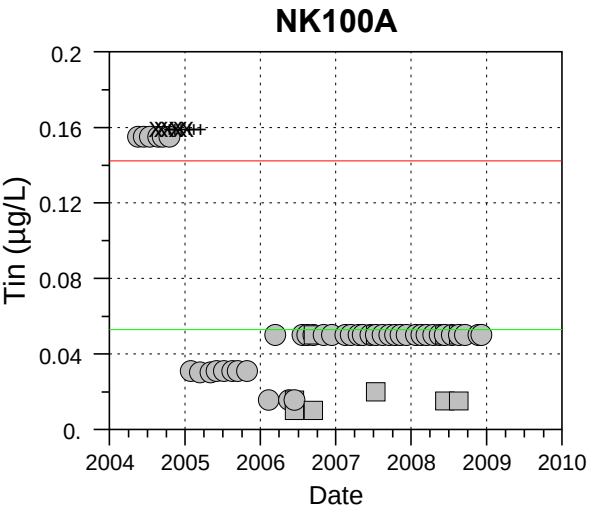
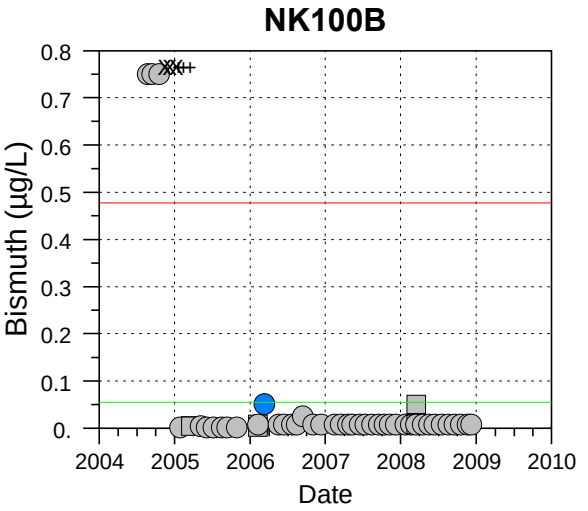
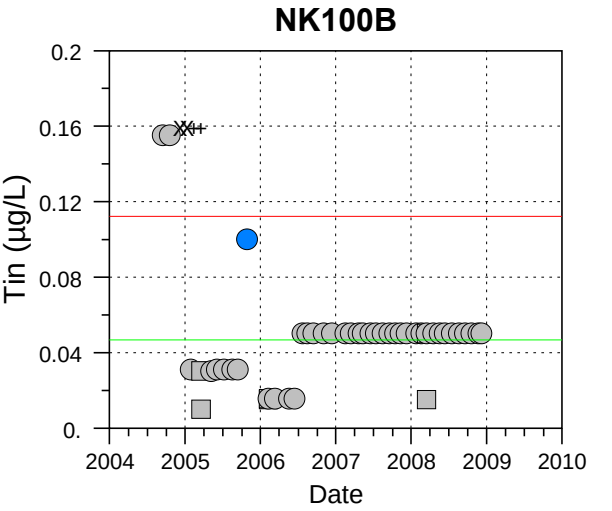
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

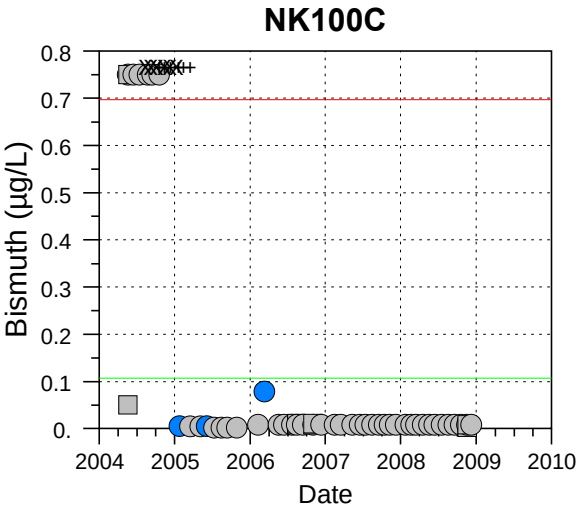
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

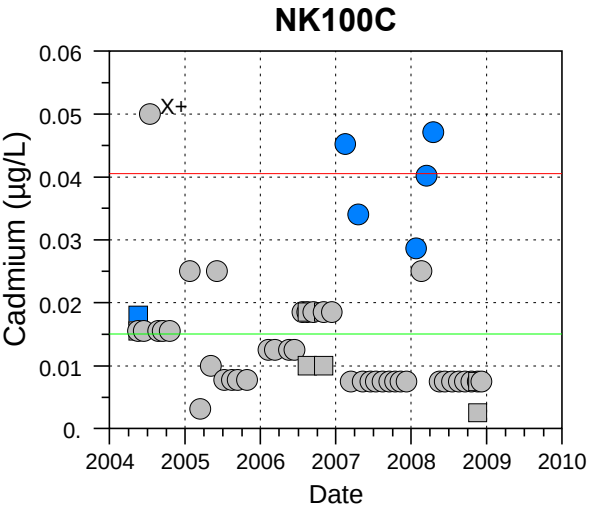












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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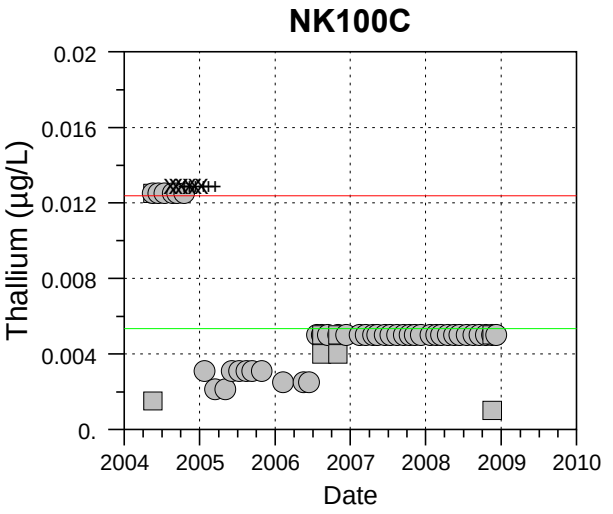
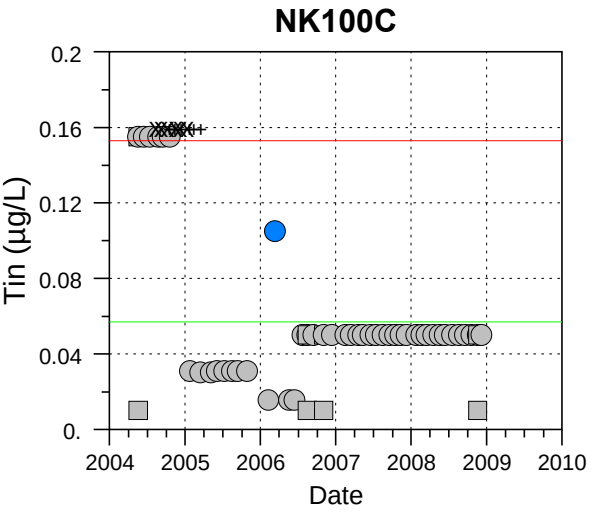
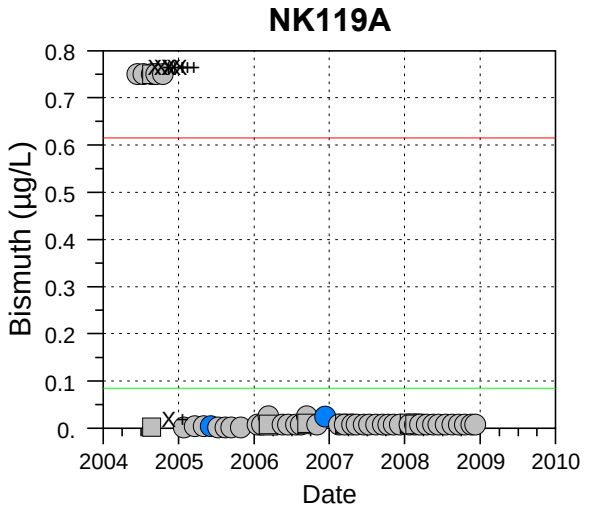
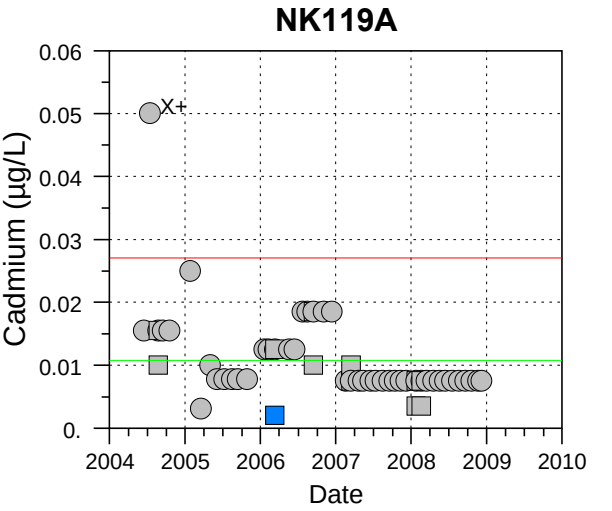
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

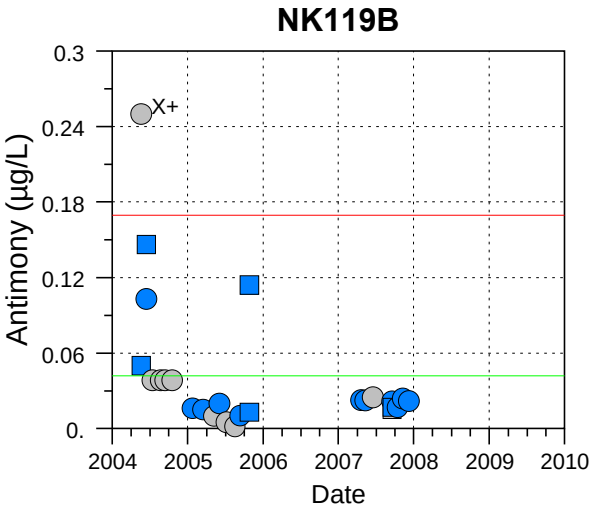
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

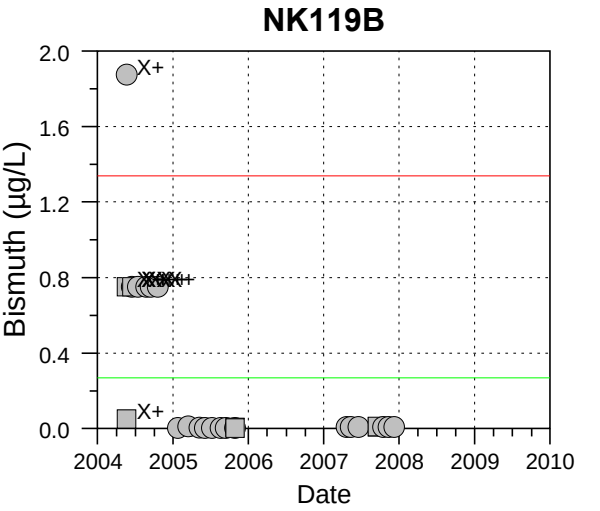












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

File: 7126	Date: Jul 07, 2011
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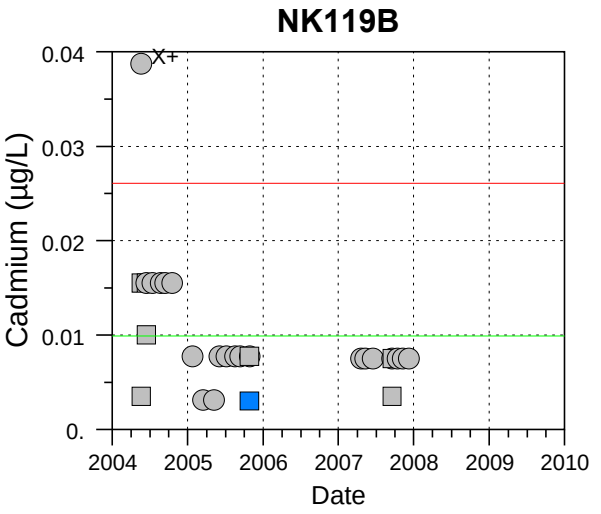

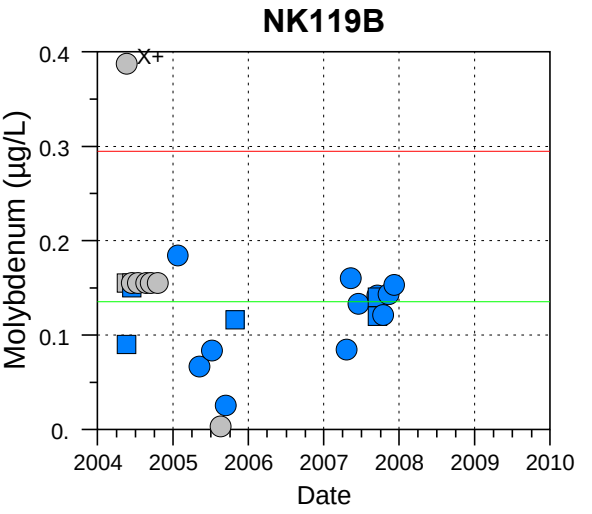

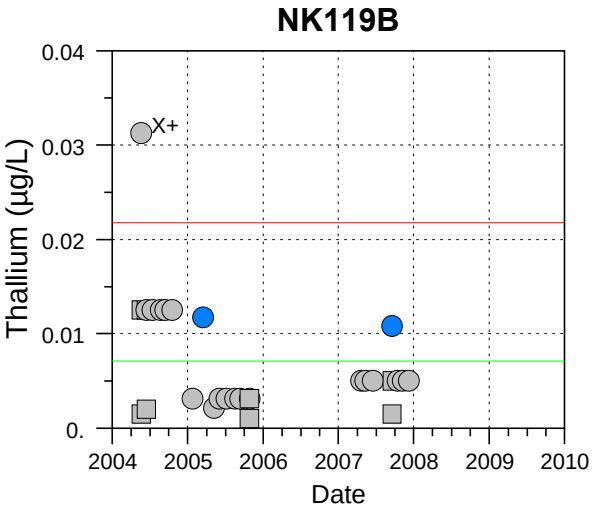

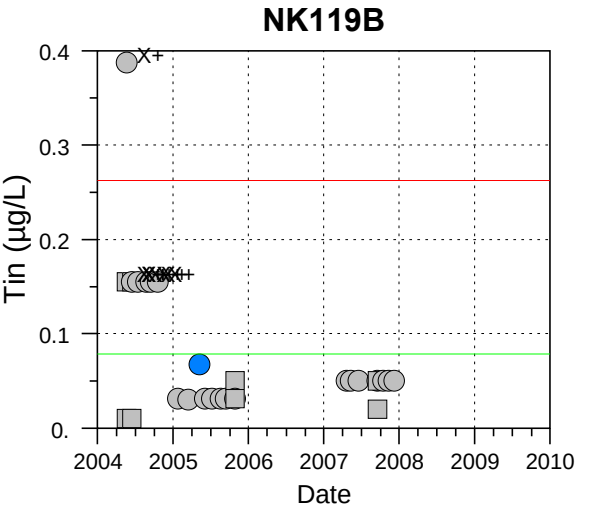

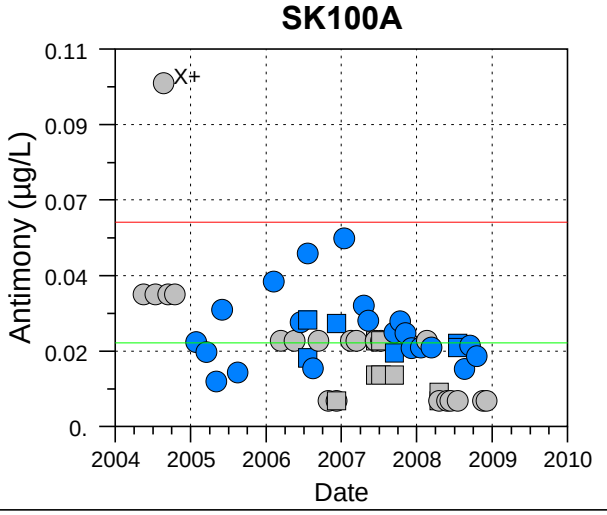

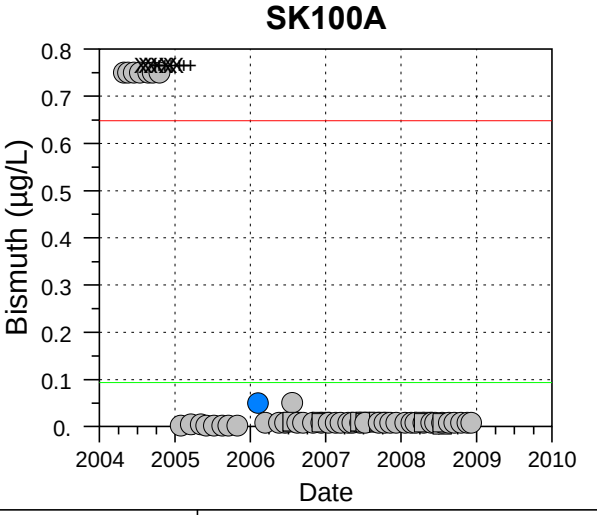

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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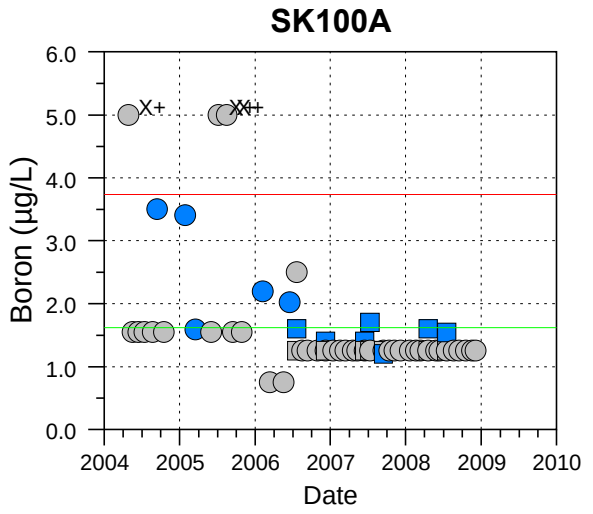
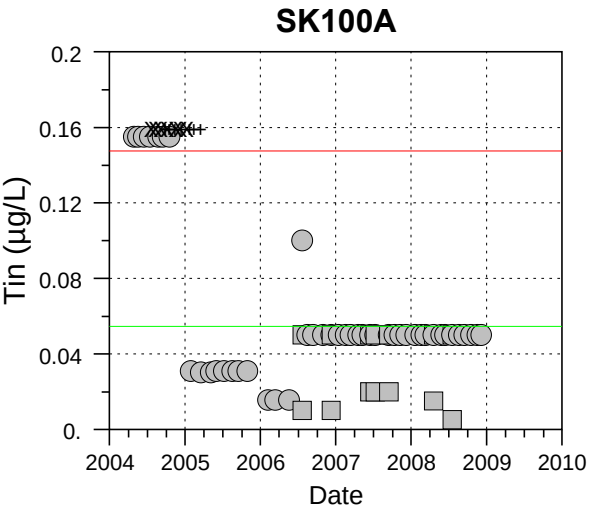
3) ug/L = micrograms per liter

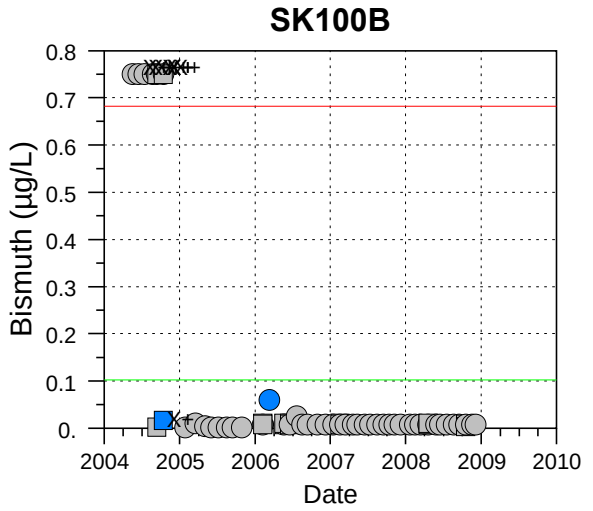
THE pebble PARTNERSHIP

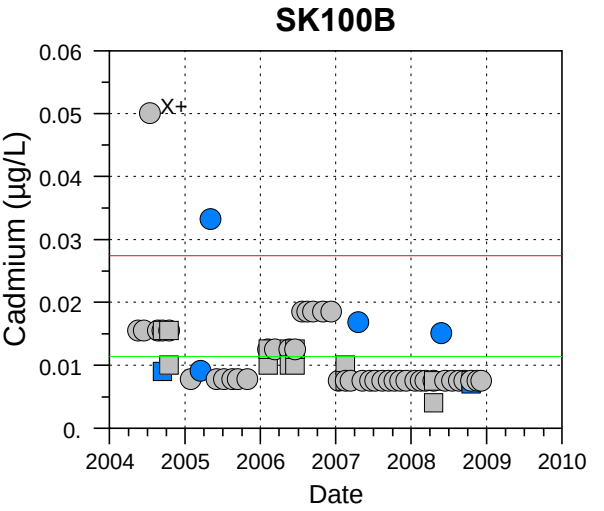
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

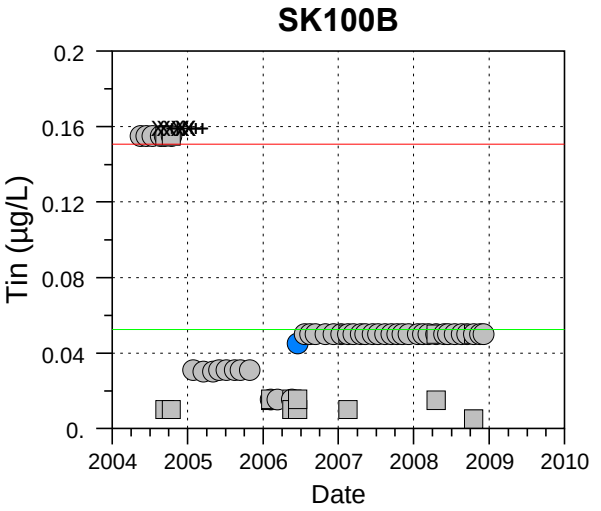
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

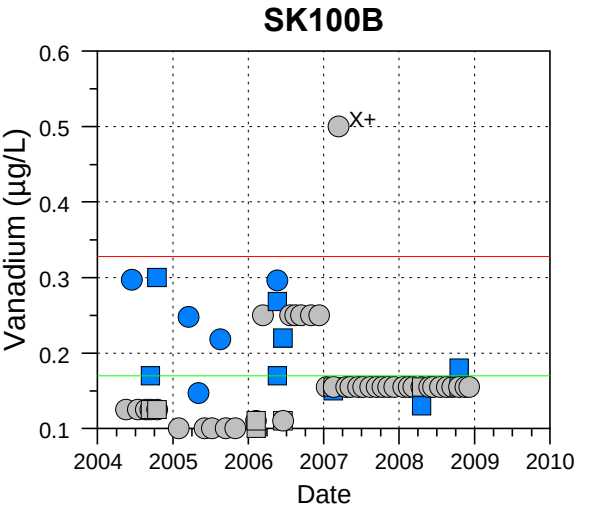












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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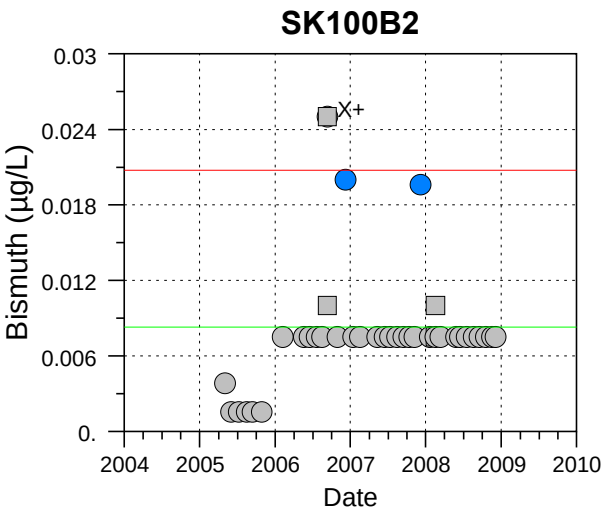
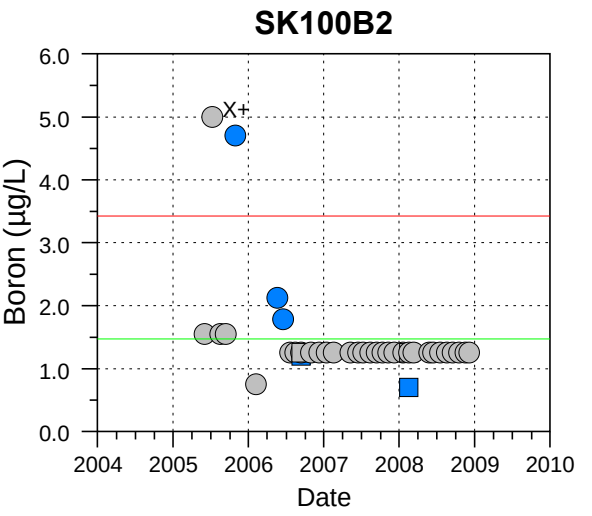
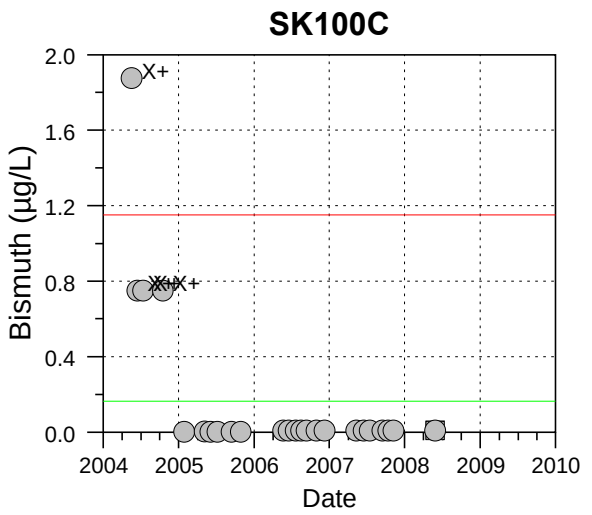
THE pebble PARTNERSHIP

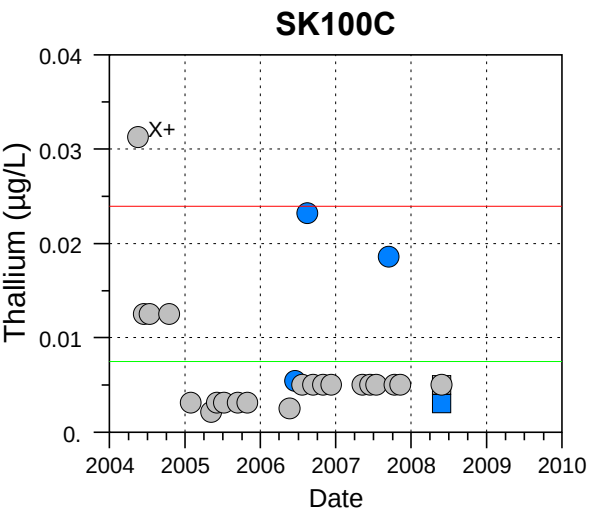
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

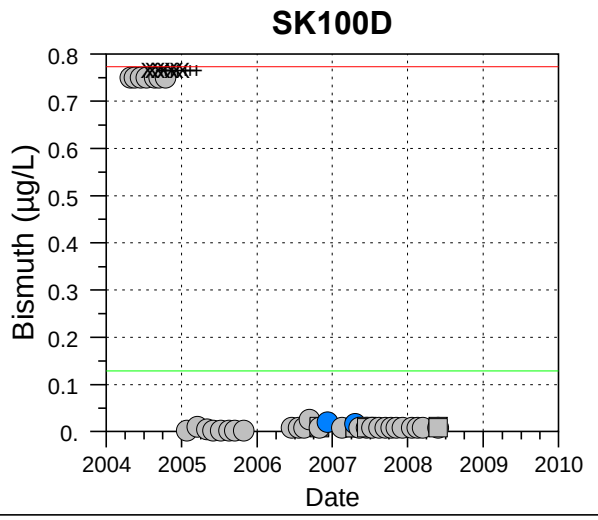
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

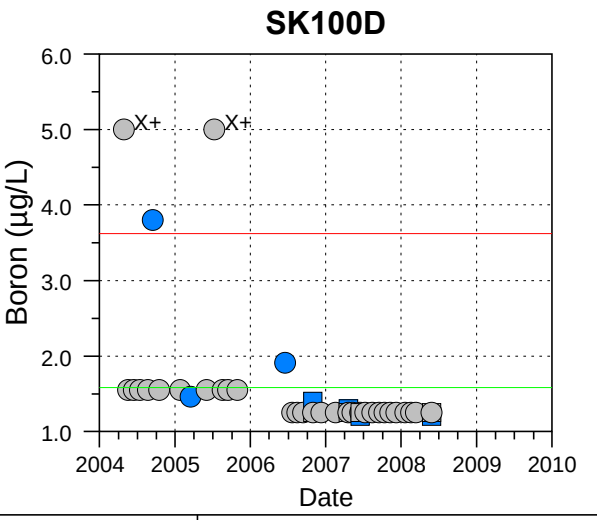












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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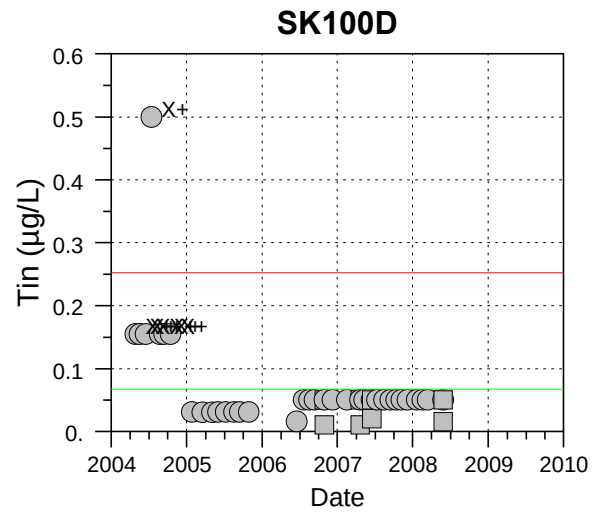
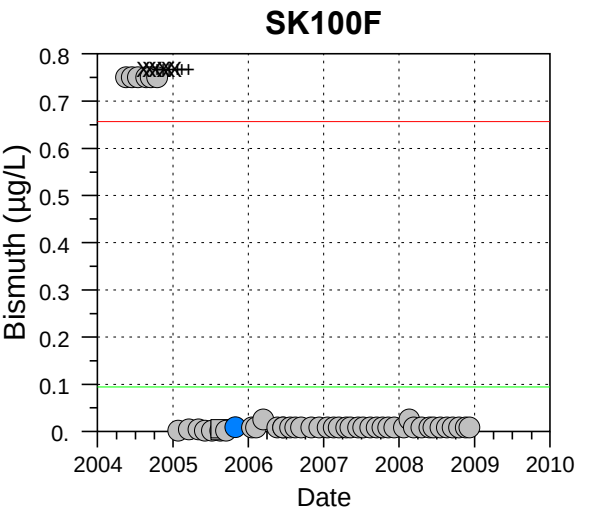
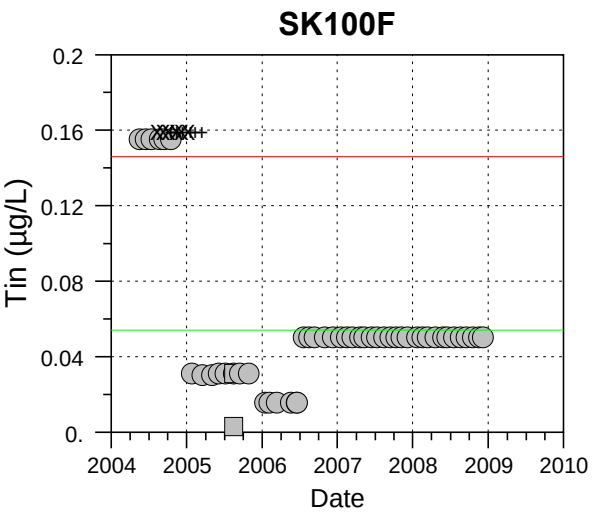
THE pebble PARTNERSHIP

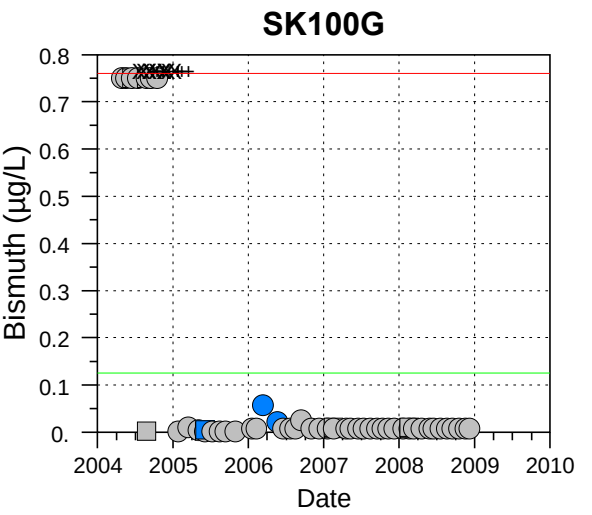
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

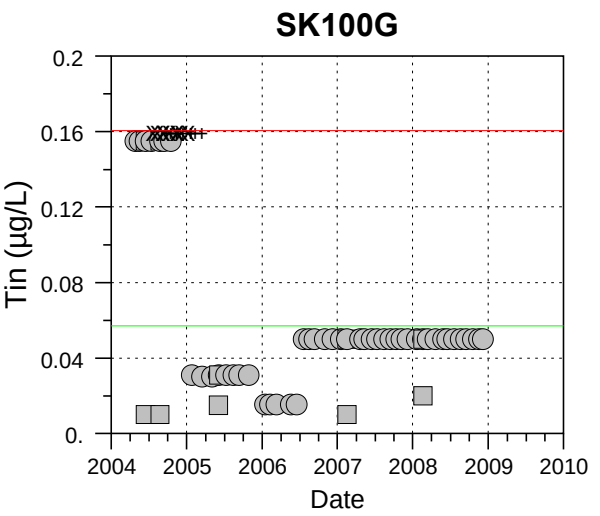
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

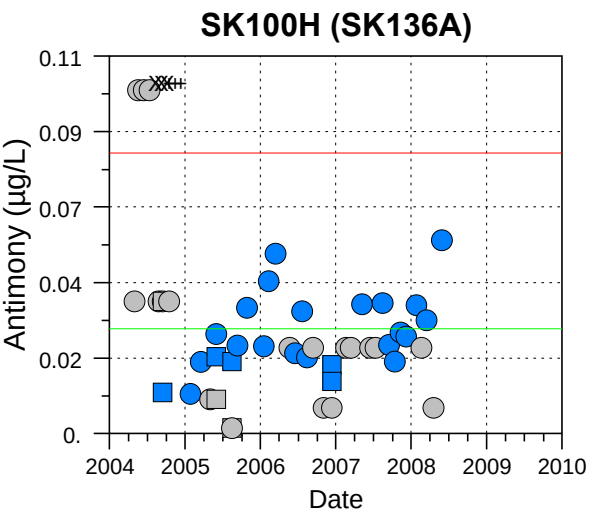












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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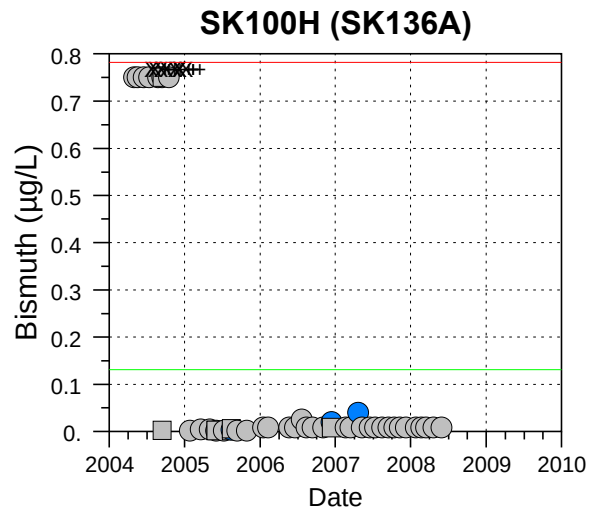
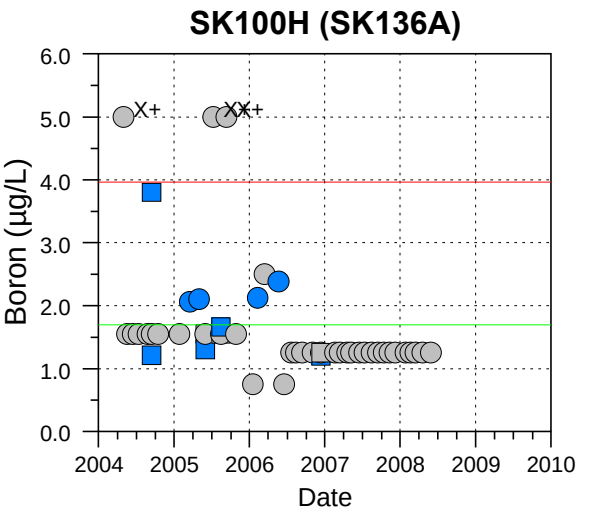
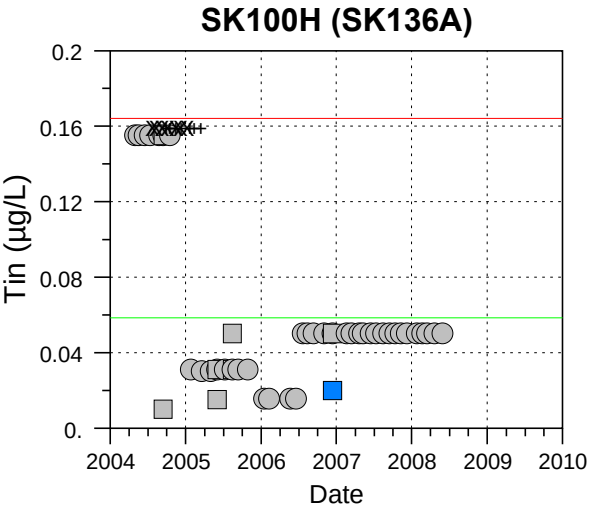
THE pebble PARTNERSHIP

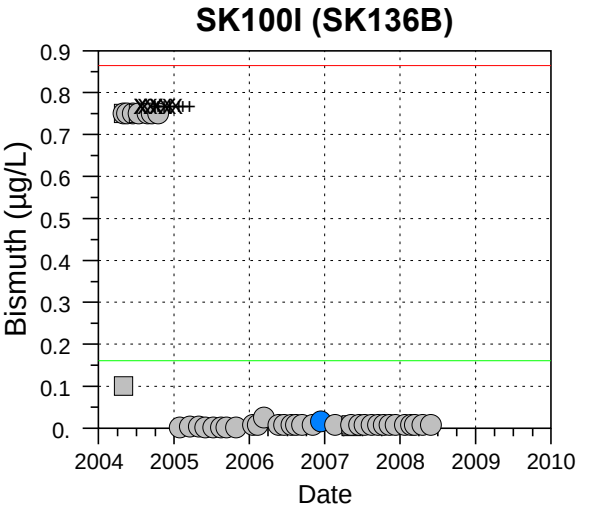
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

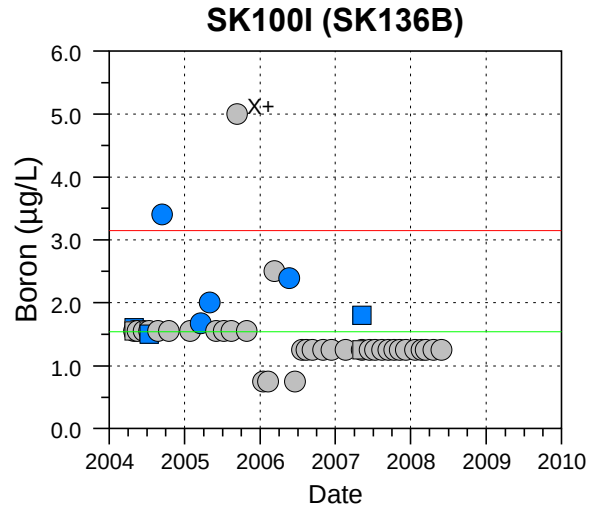
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

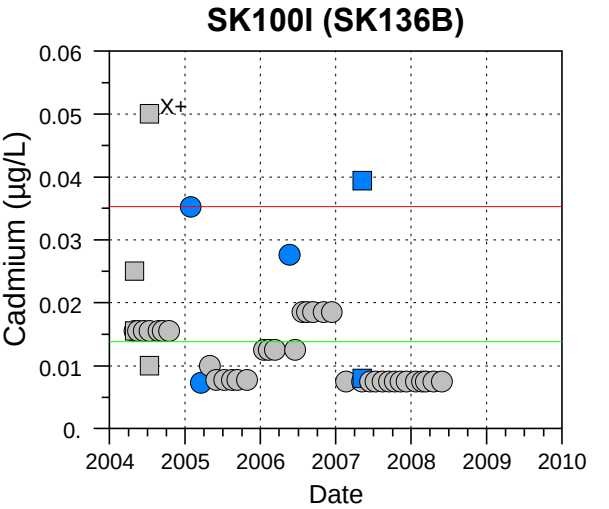












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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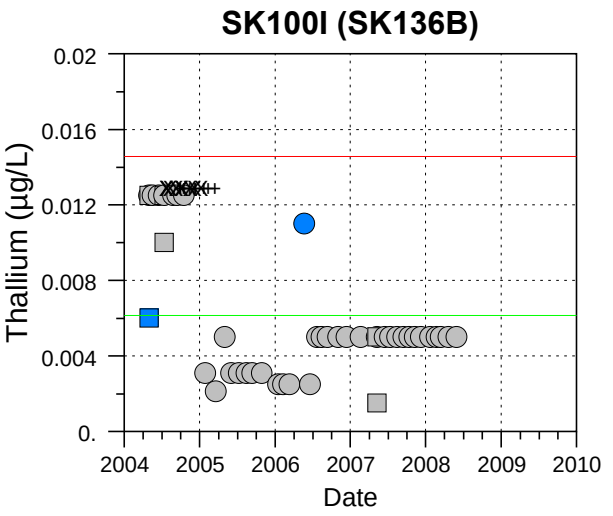
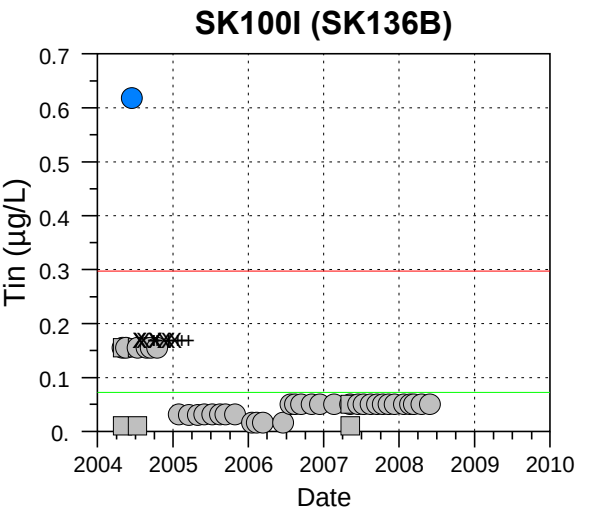
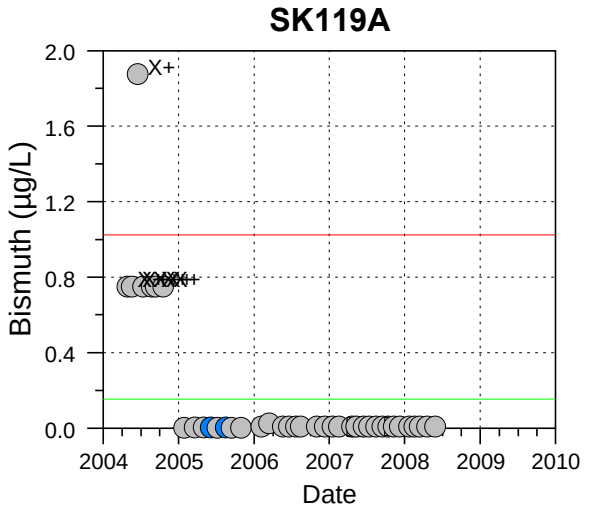
THE pebble PARTNERSHIP

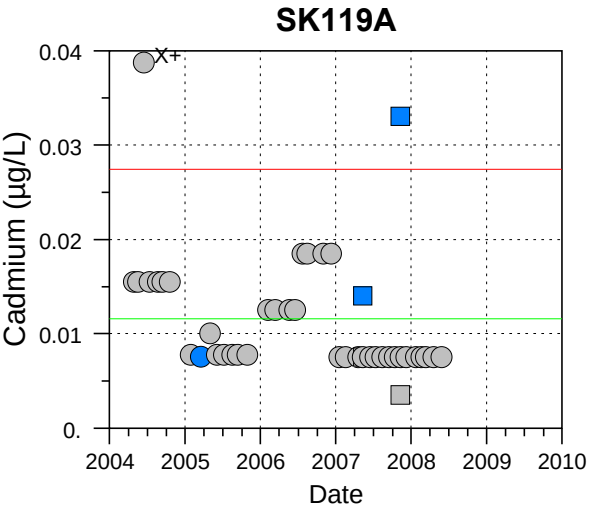
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

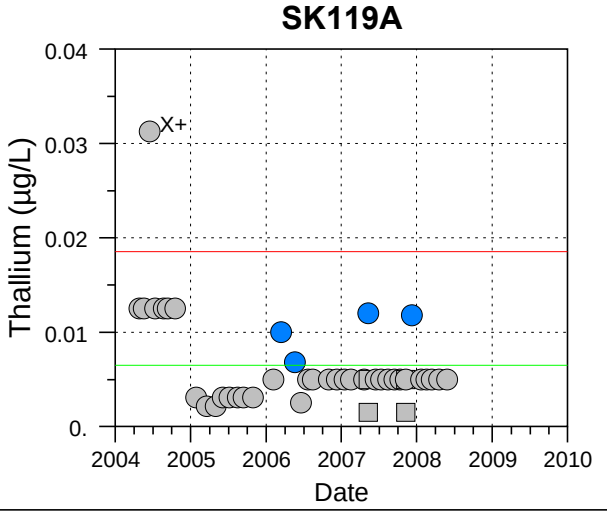
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

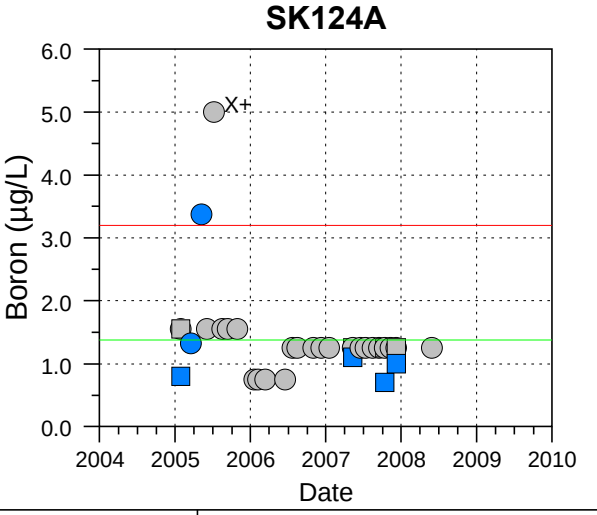












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
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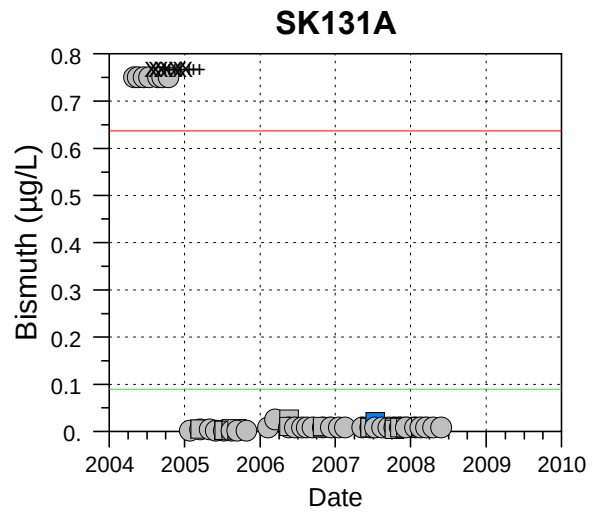

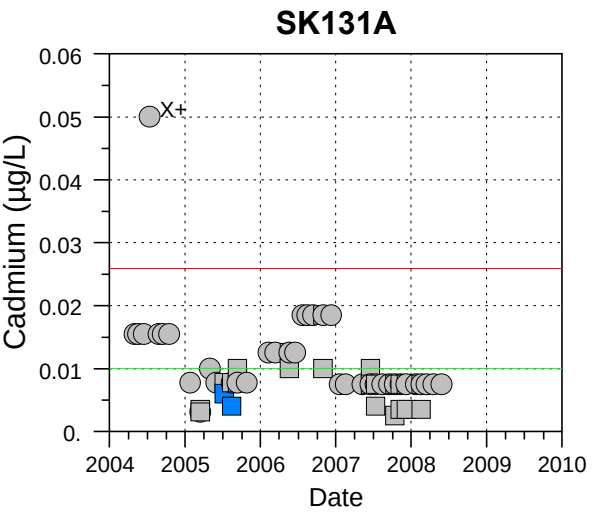

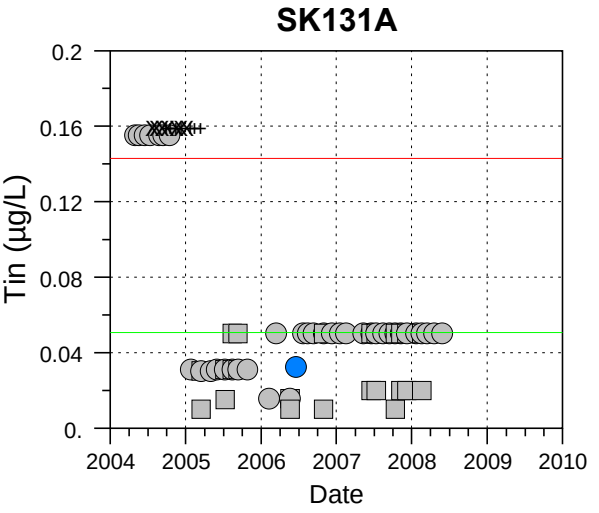

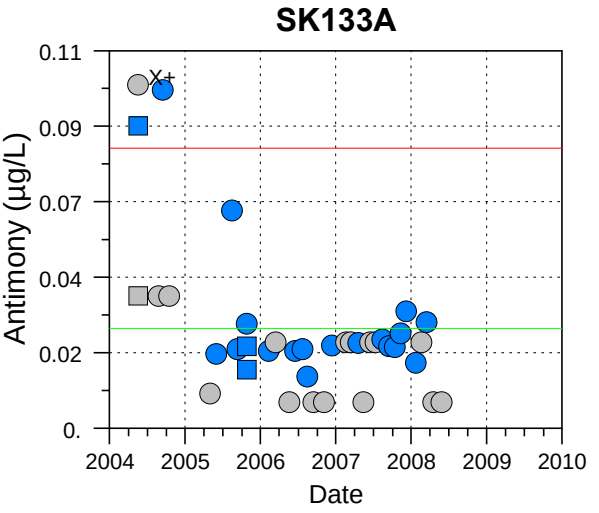

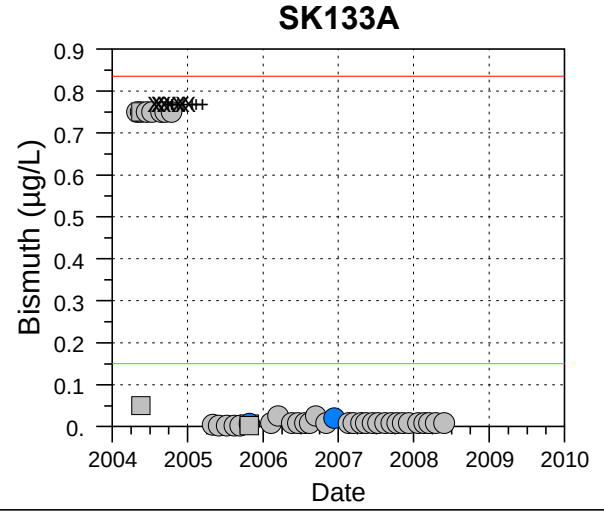

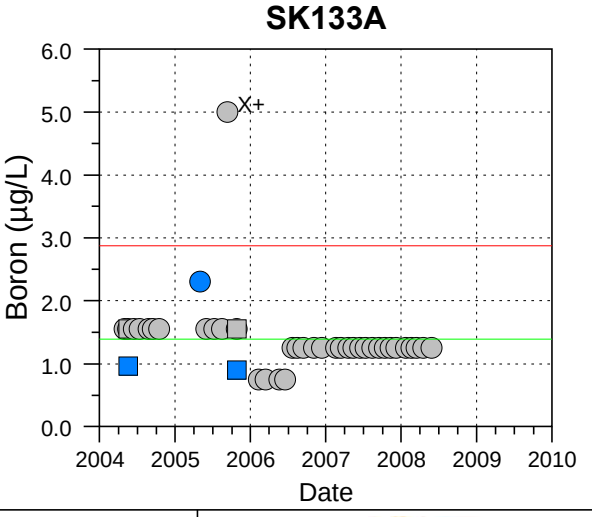

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

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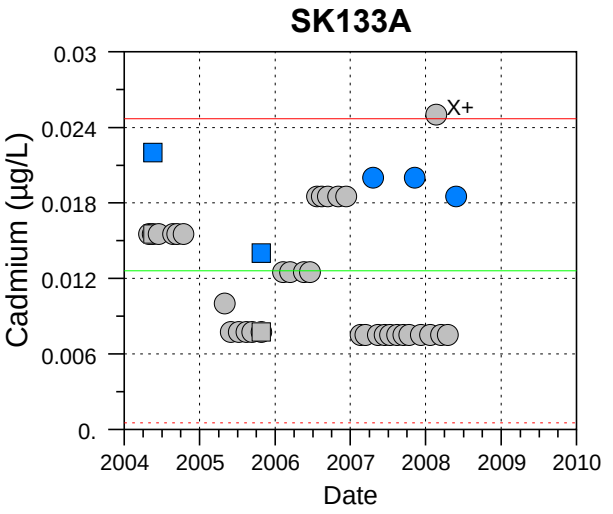

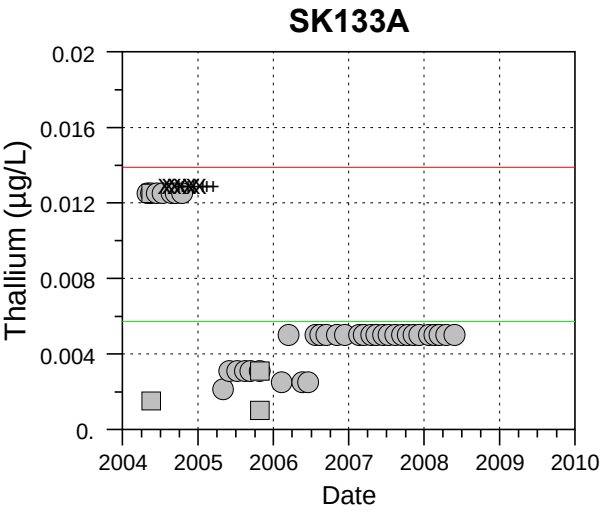

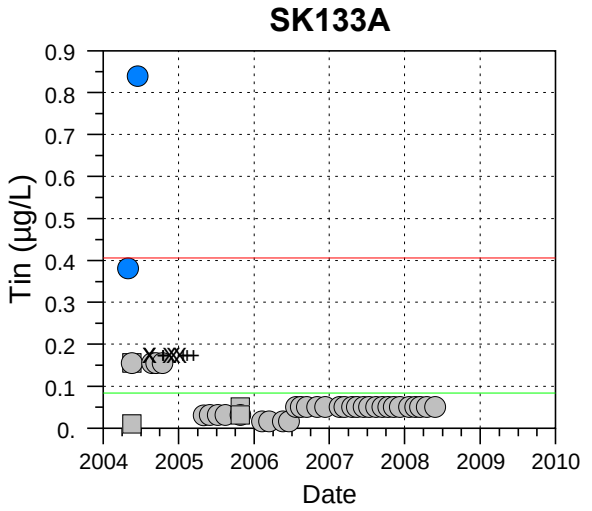

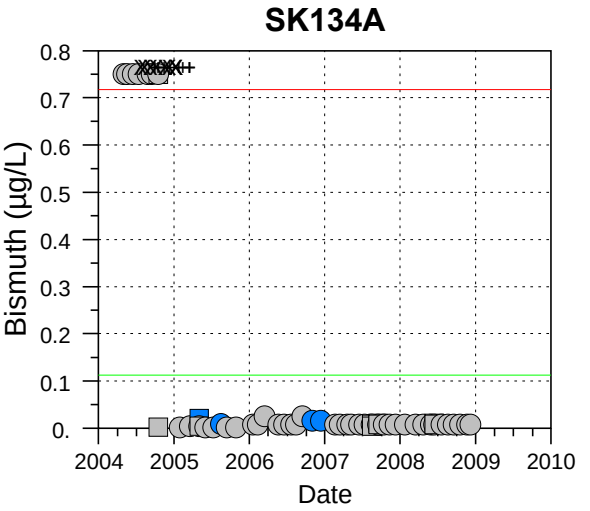

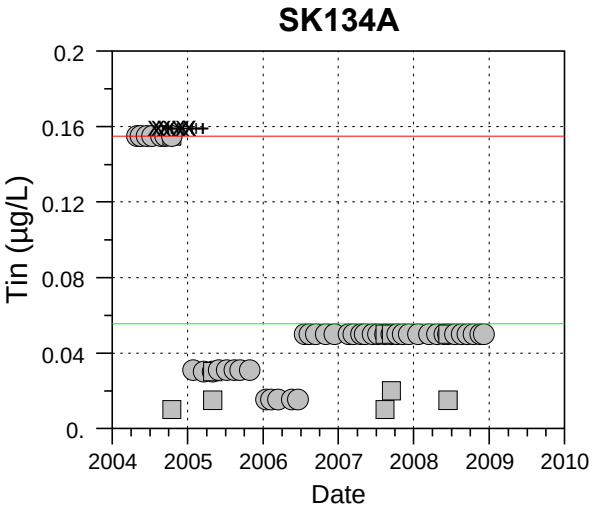

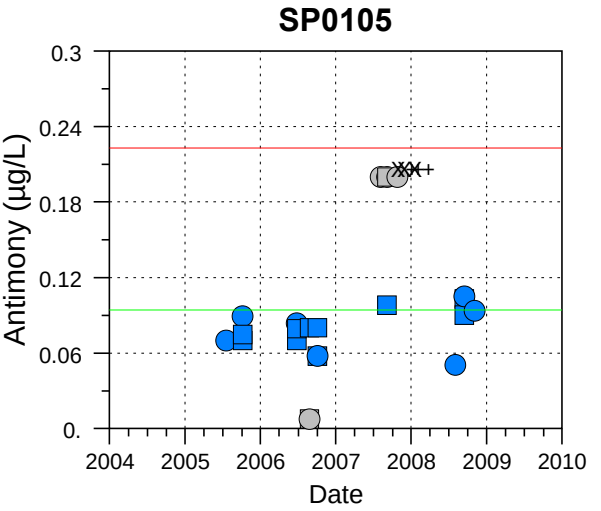

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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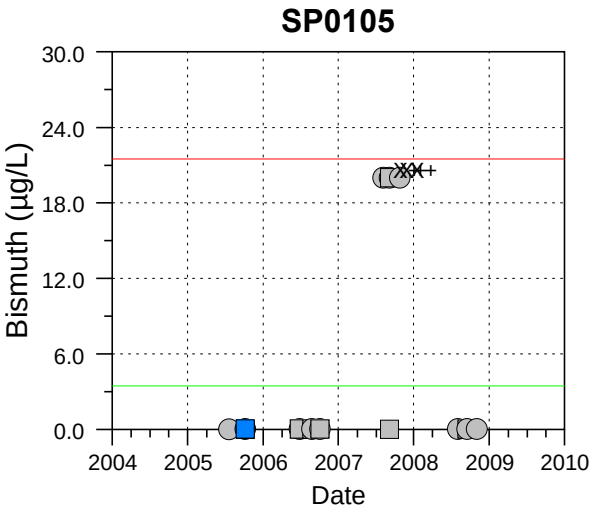
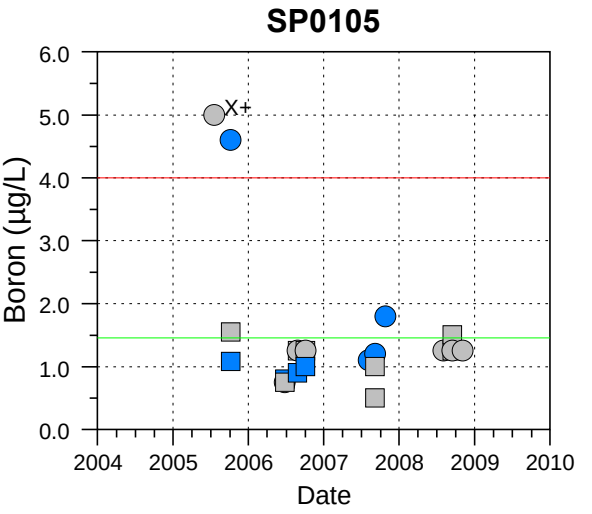
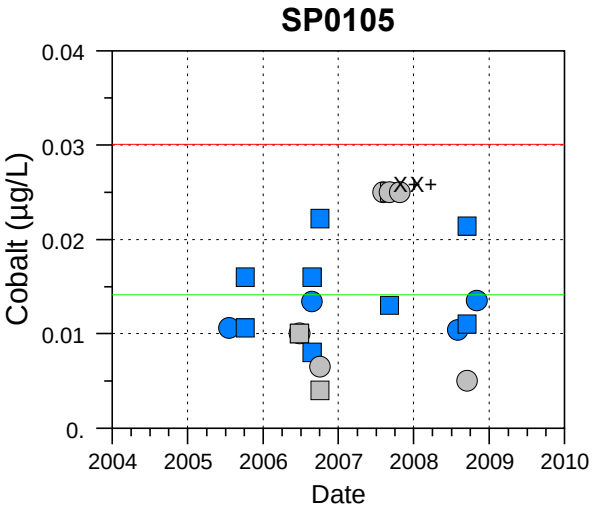
THE pebble PARTNERSHIP

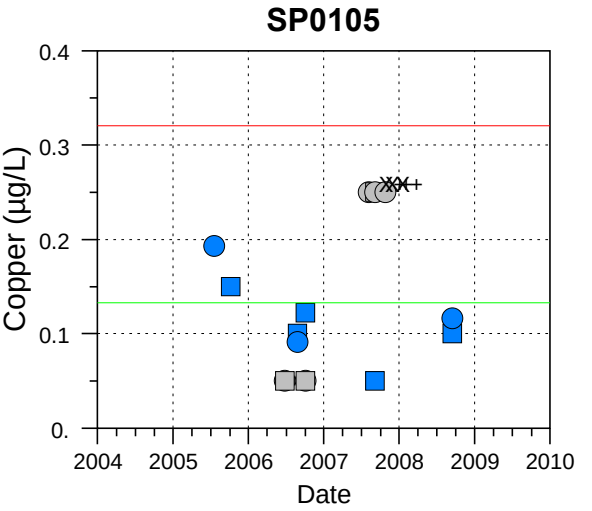
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

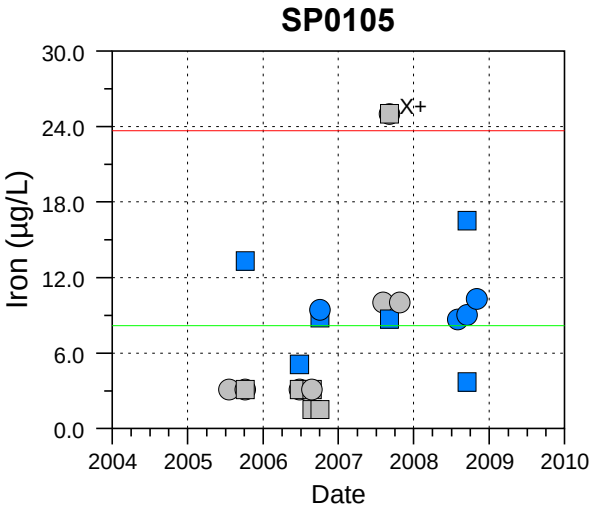
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

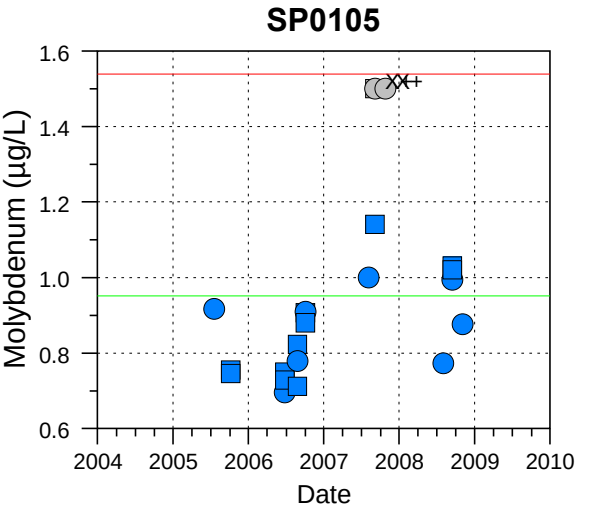












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

File: 7126	Date: Jul 07, 2011
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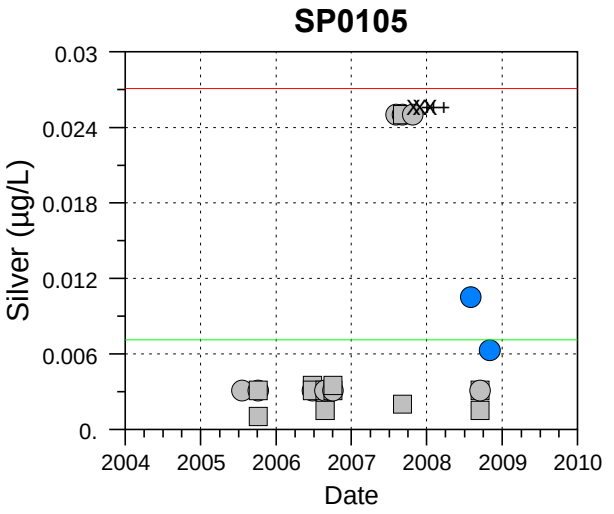

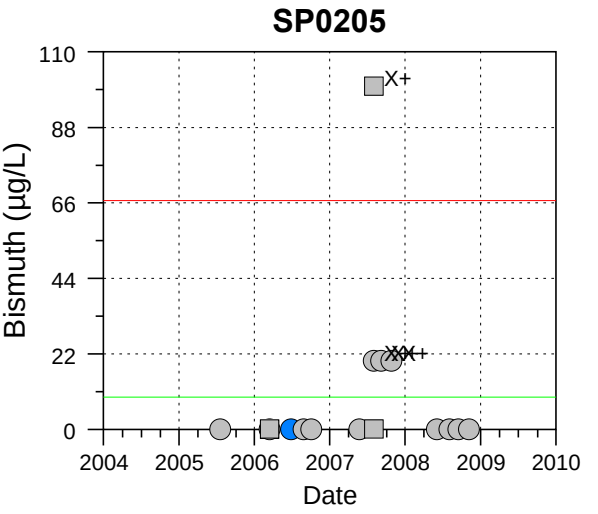

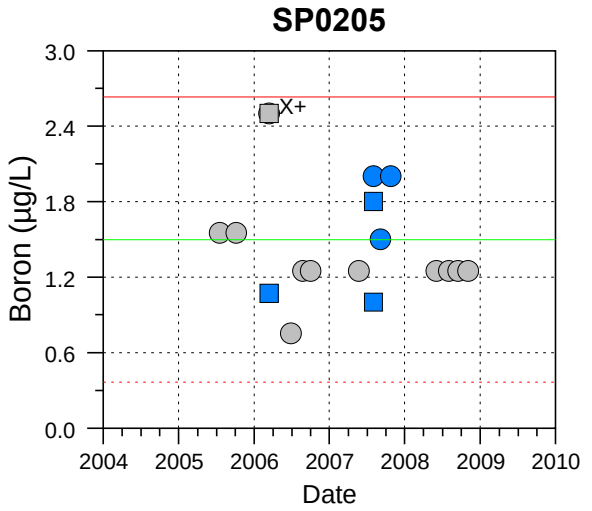

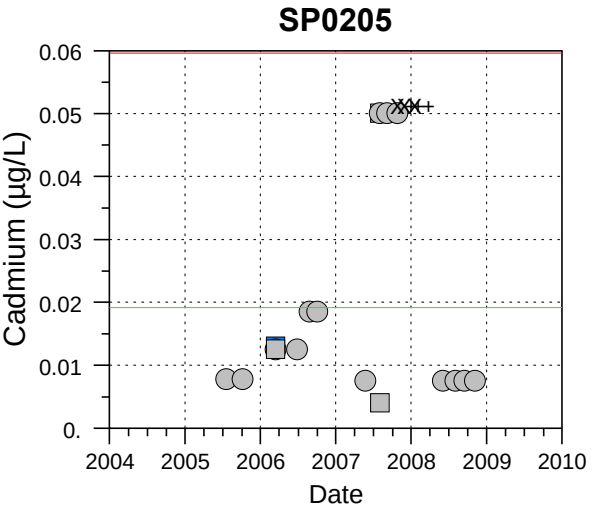

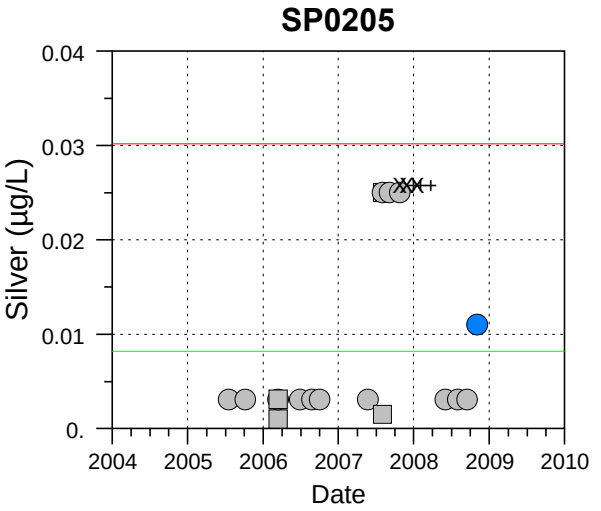

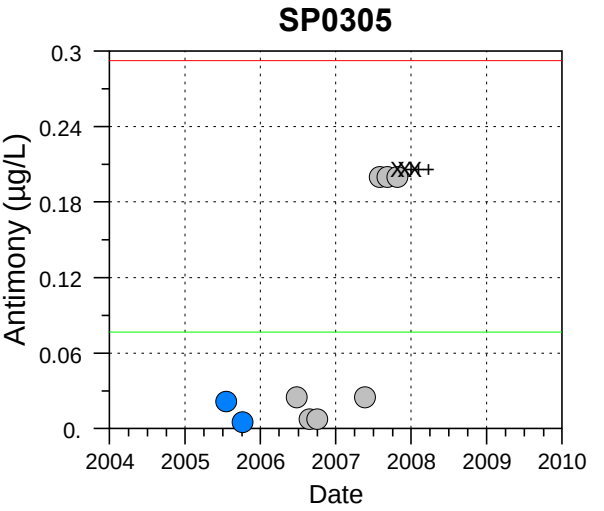

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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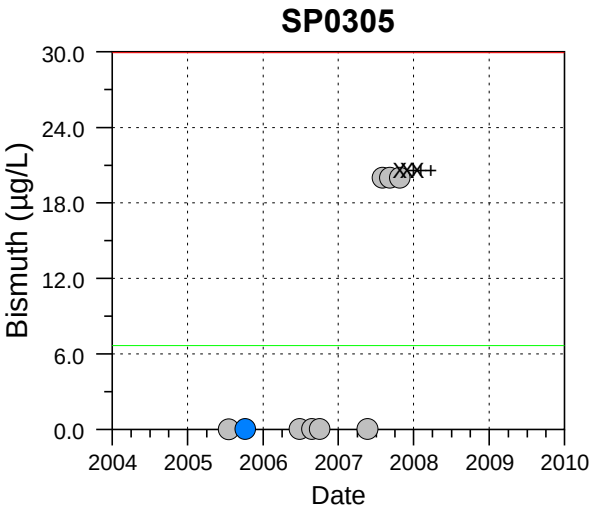
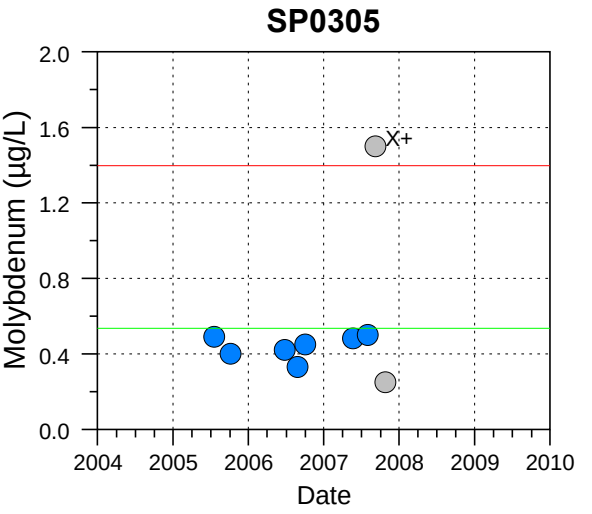
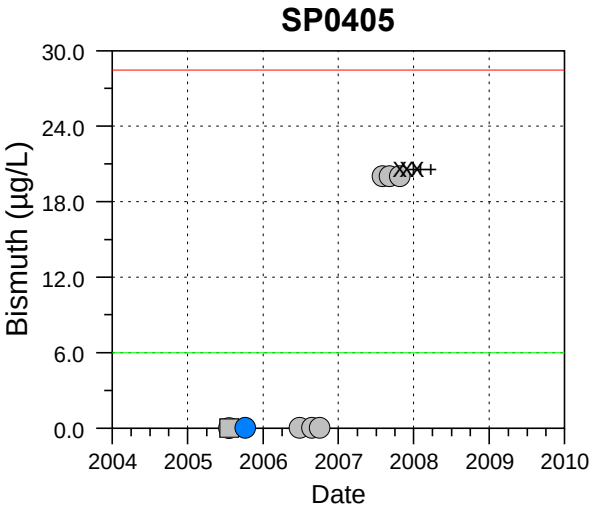
THE pebble PARTNERSHIP

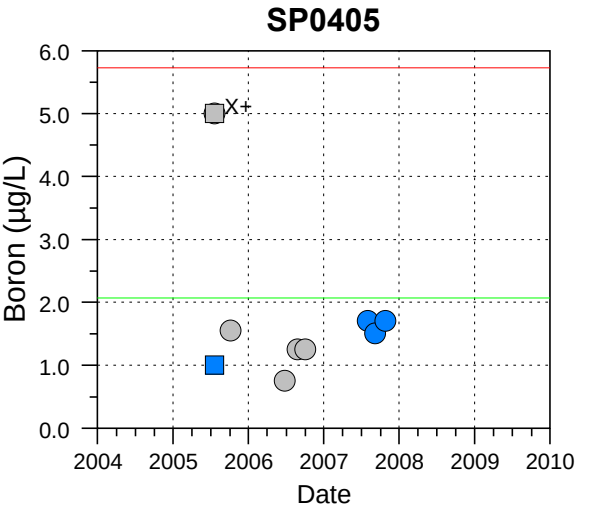
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

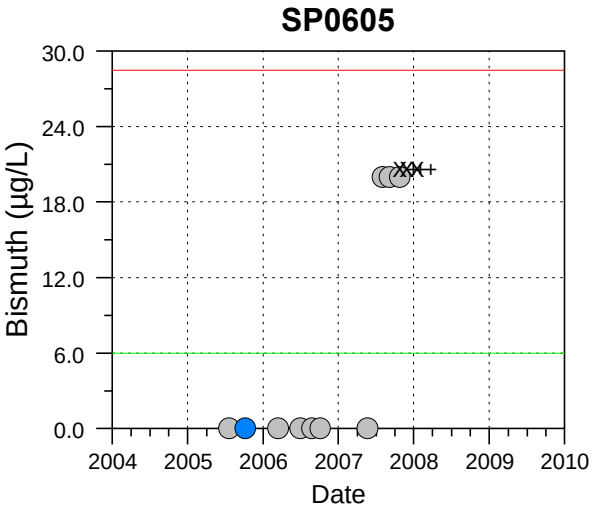
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

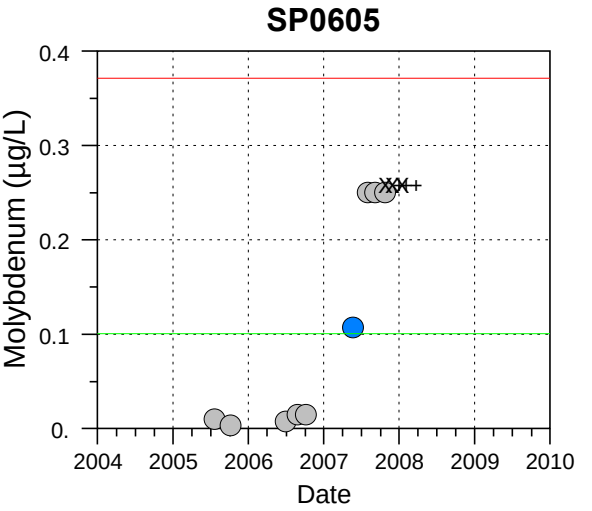












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

File: 7126	Date: Jul 07, 2011
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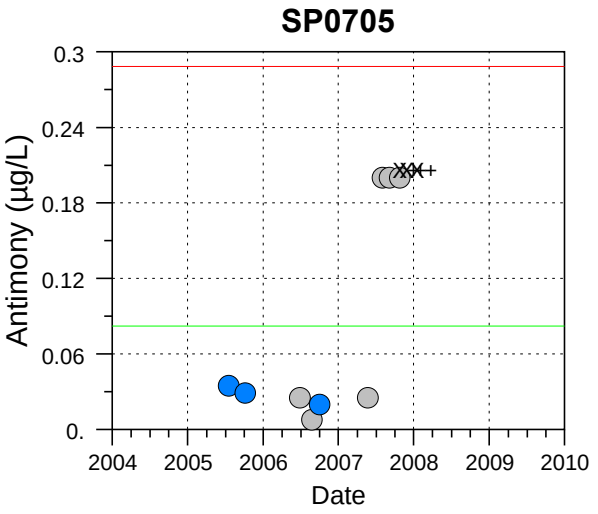

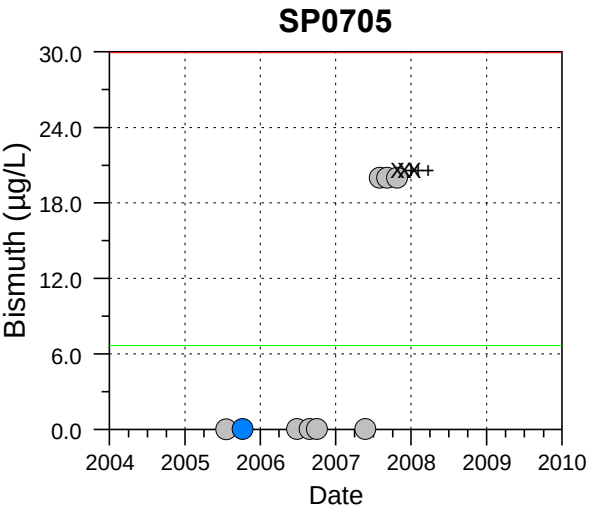

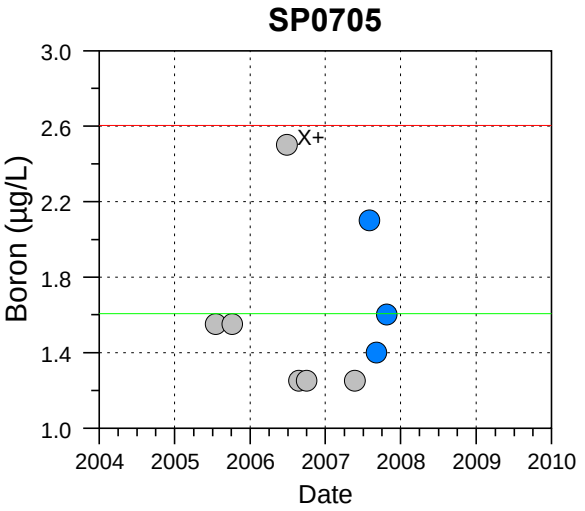

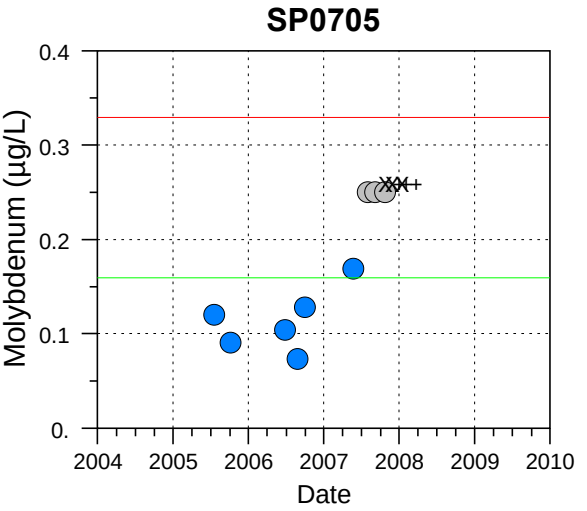

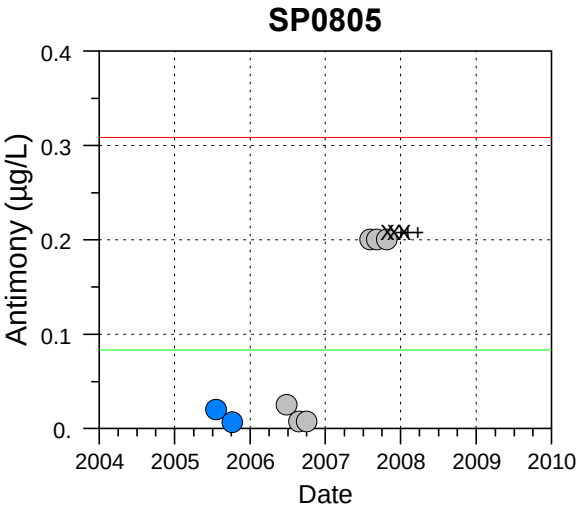

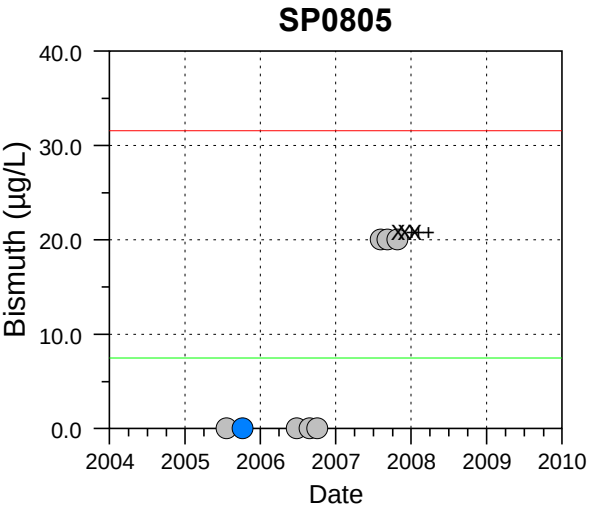

Legend

- Analytical Result
- Quality Control Sample Result
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- Upper 98% Confidence Level
- Mean
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X+ outlier, very high value

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THE pebble PARTNERSHIP

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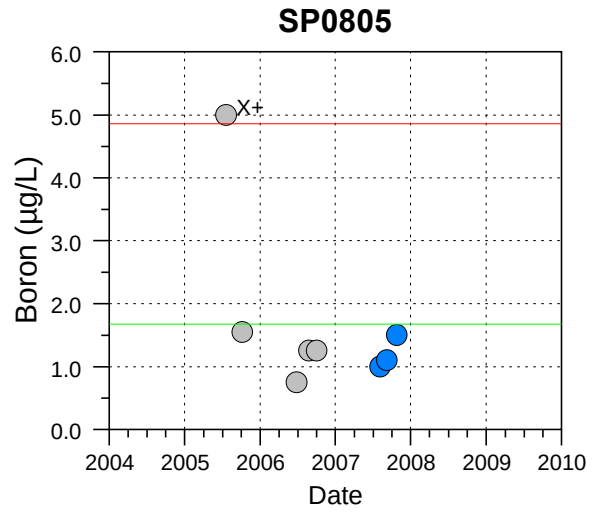

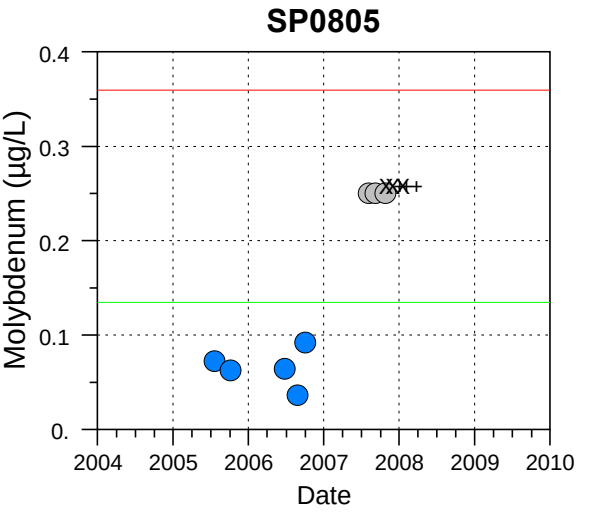

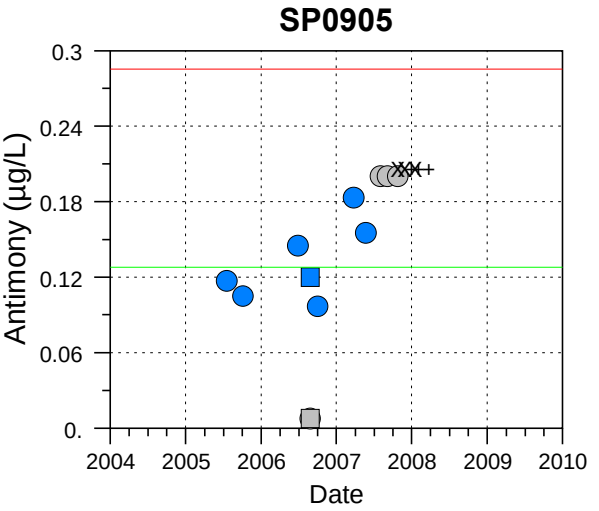

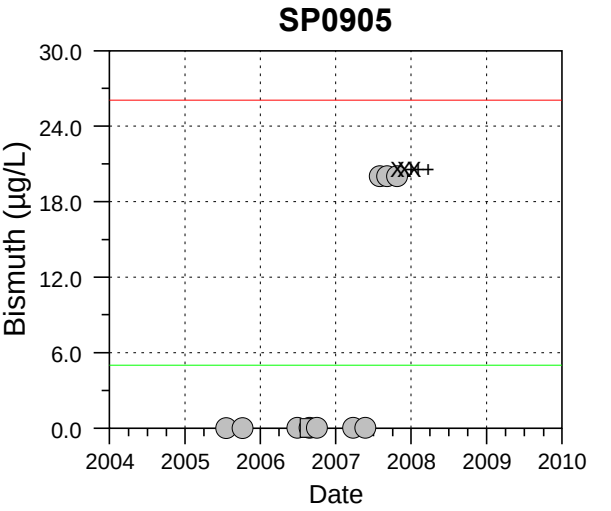

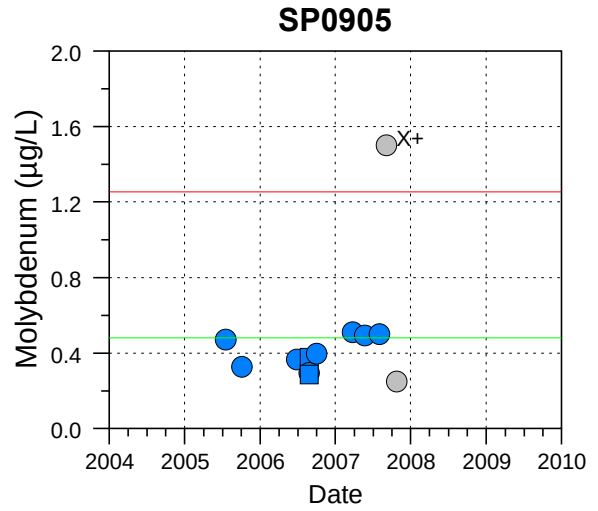

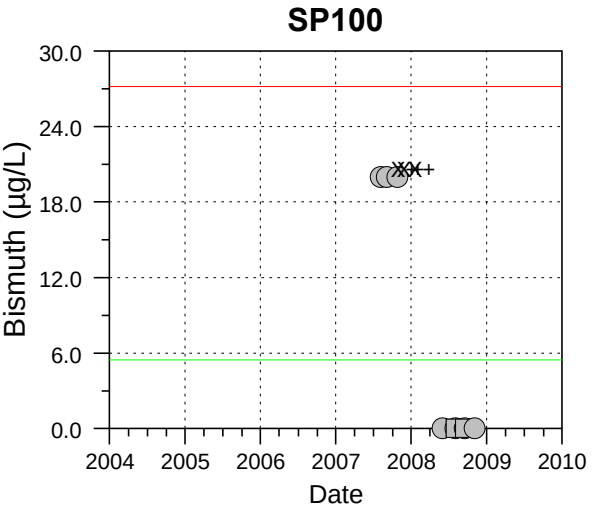

Legend

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- Quality Control Sample Result
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- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

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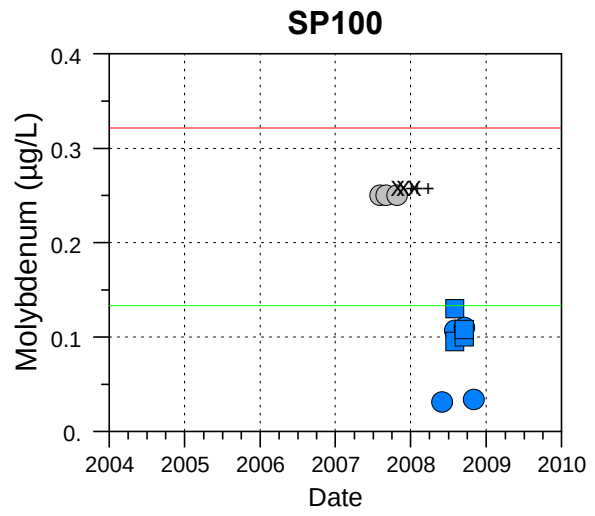

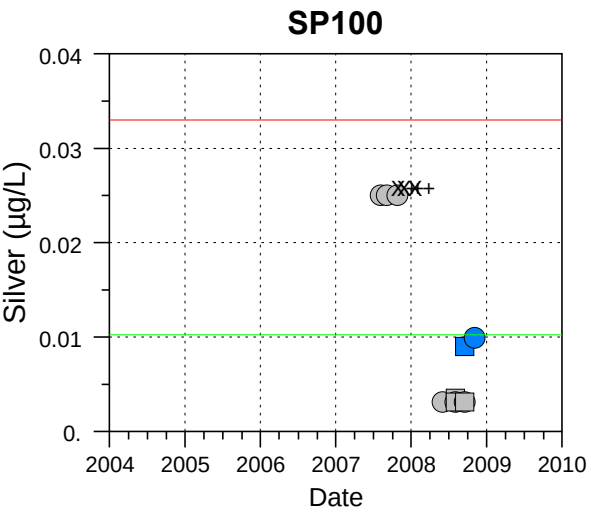

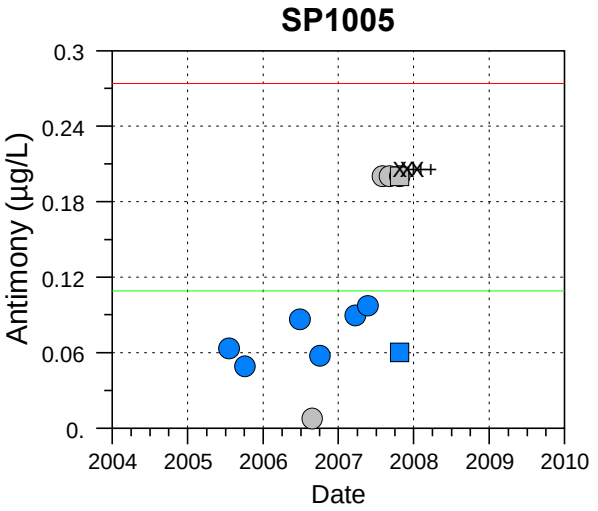

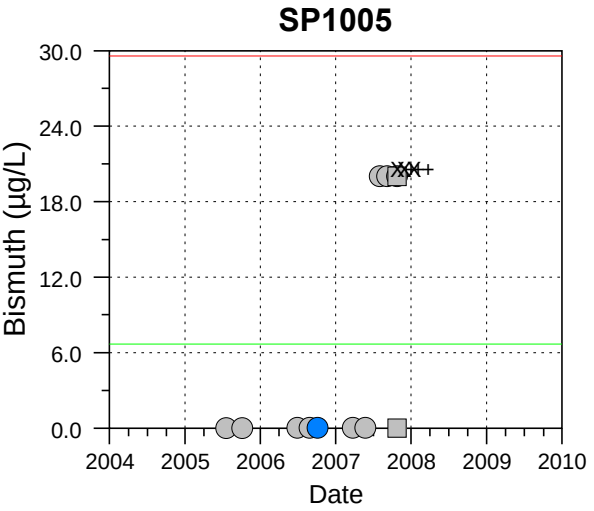

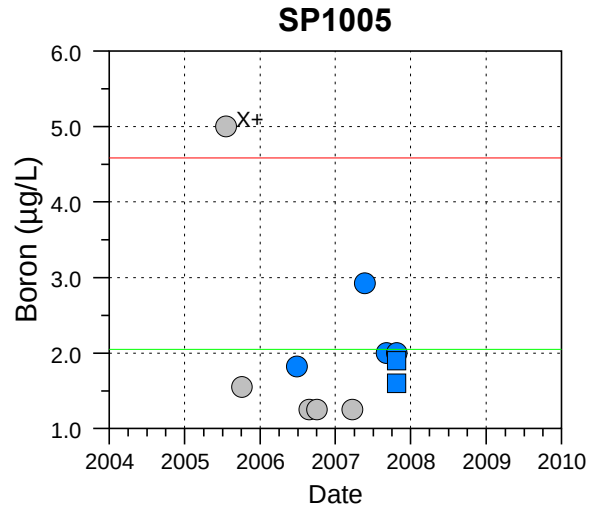

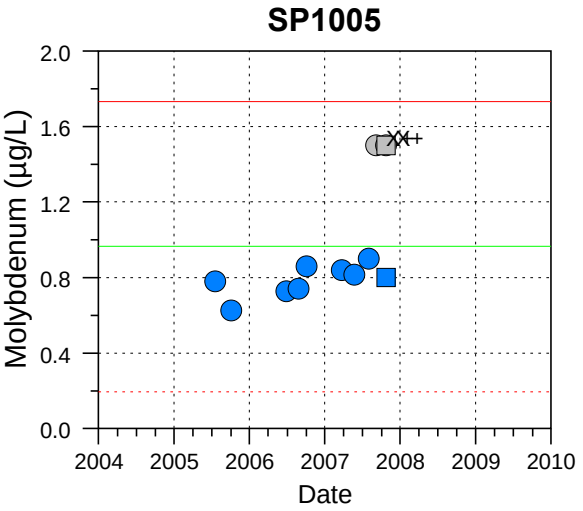

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
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- Mean
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X+ outlier, very high value

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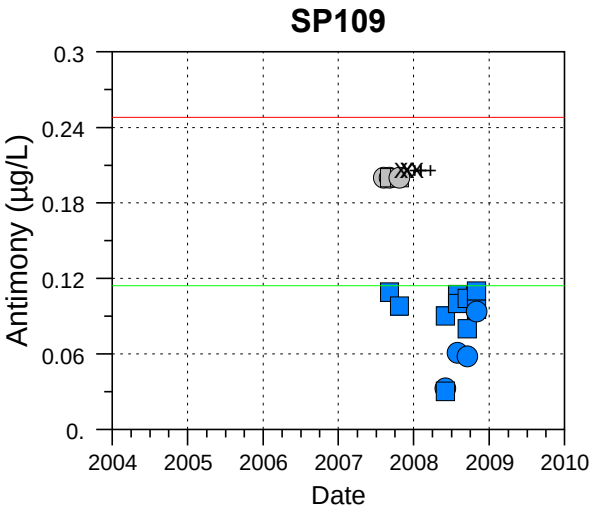

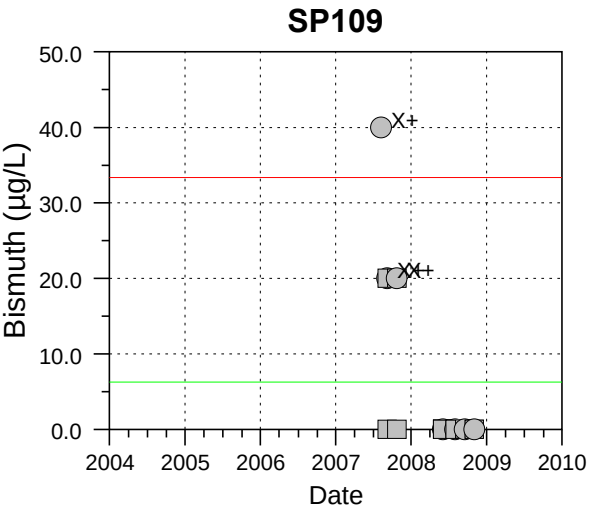

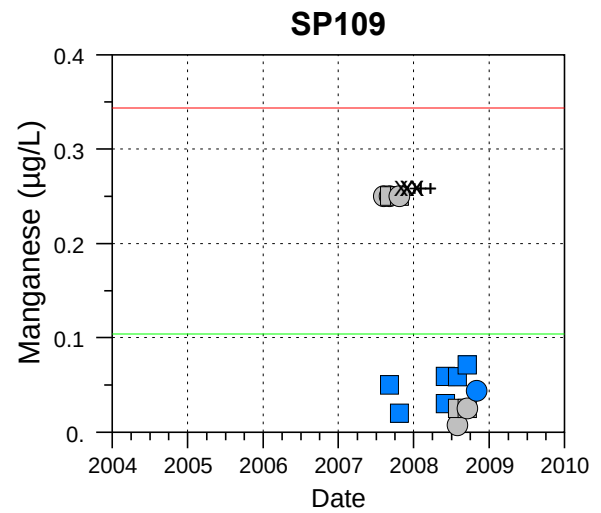

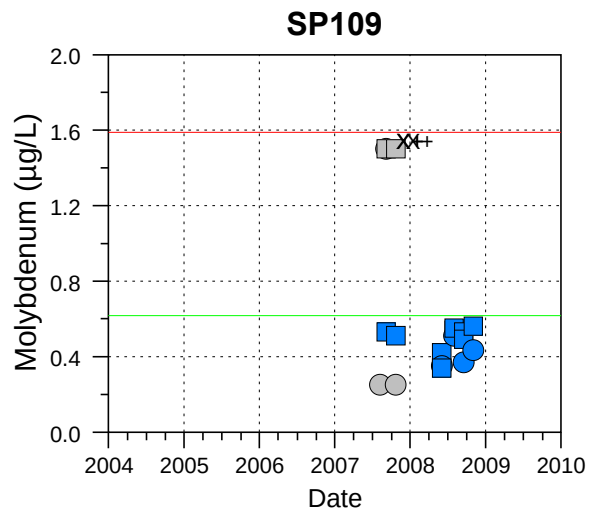

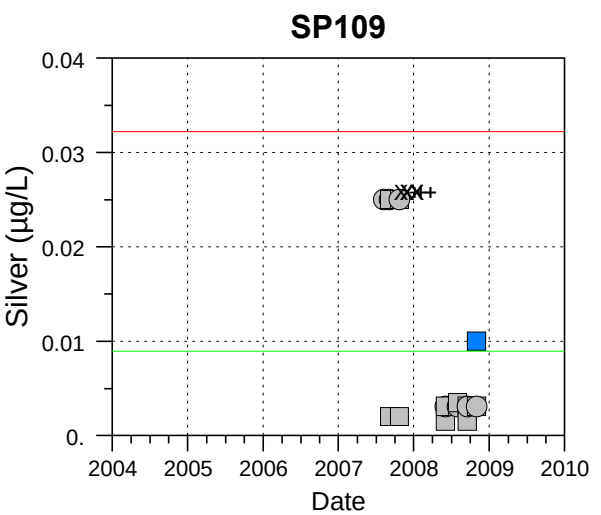

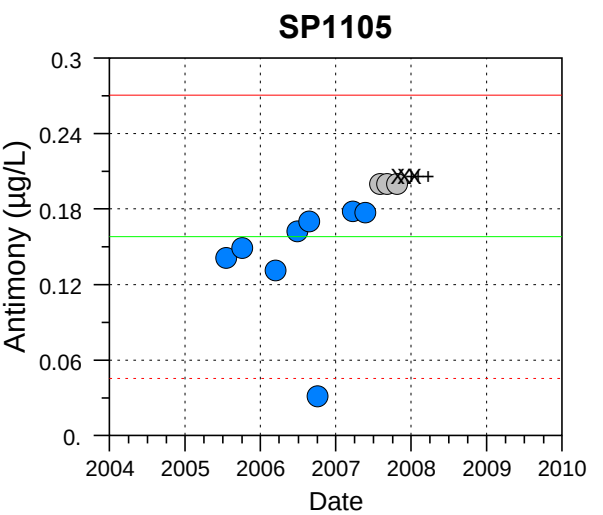

Legend

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- Quality Control Sample Result
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- Mean
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X+ outlier, very high value

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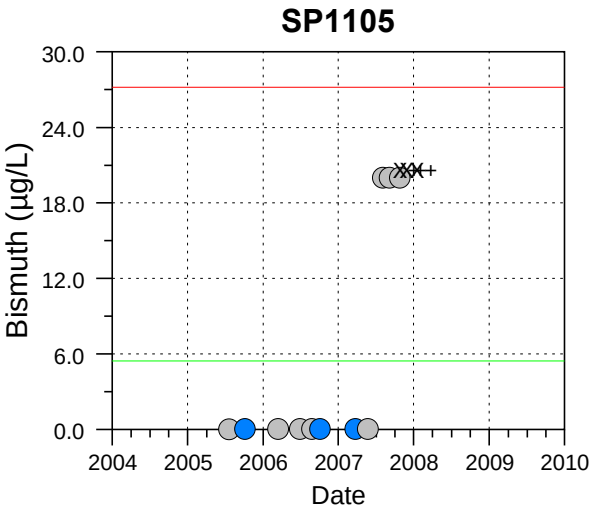

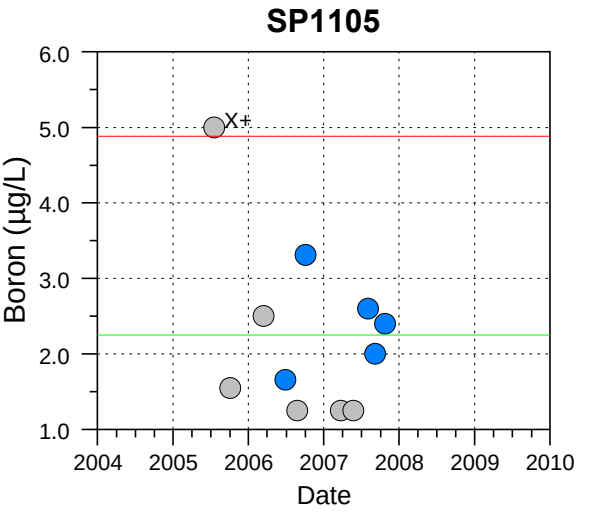

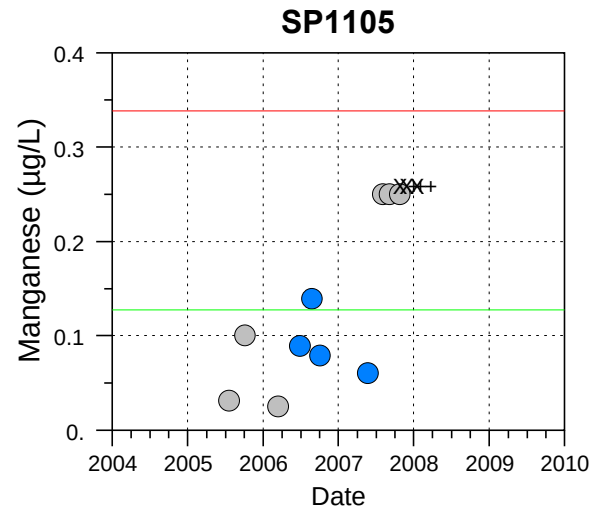

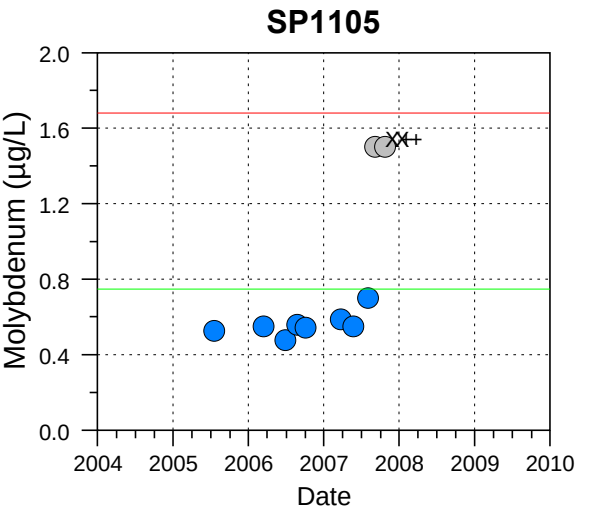

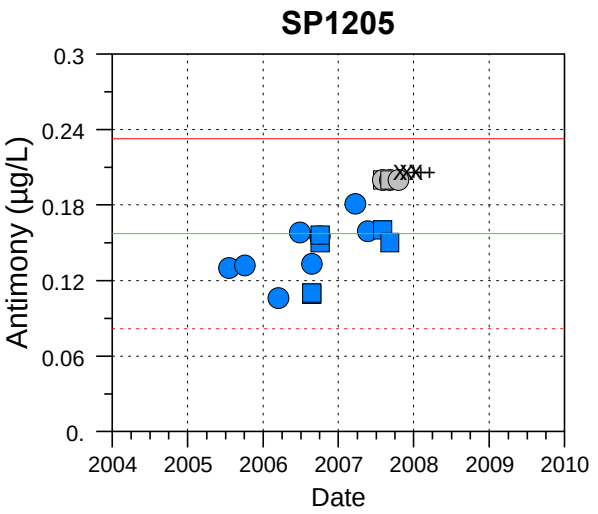

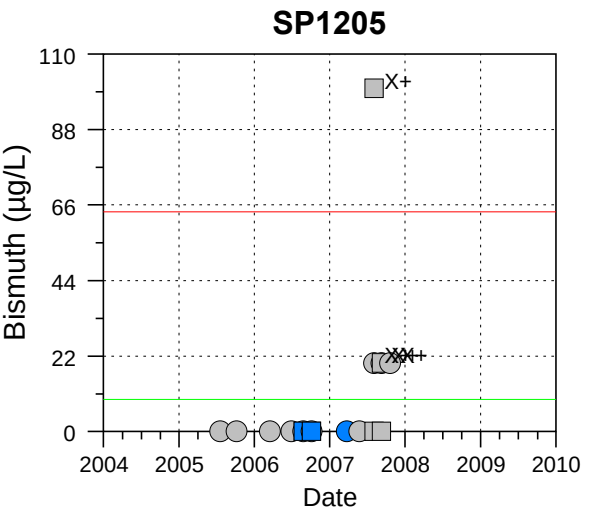

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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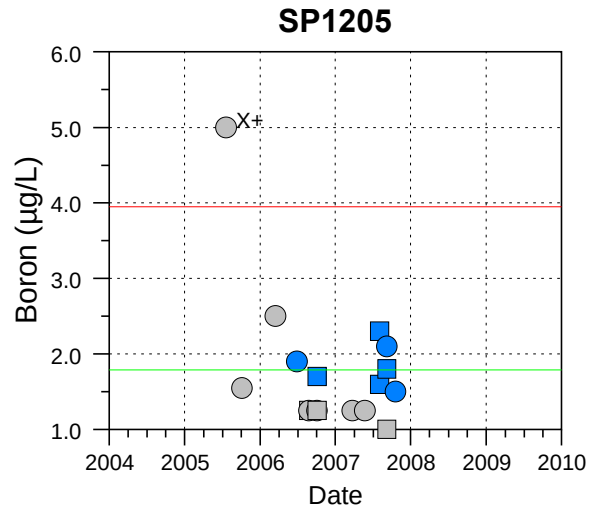
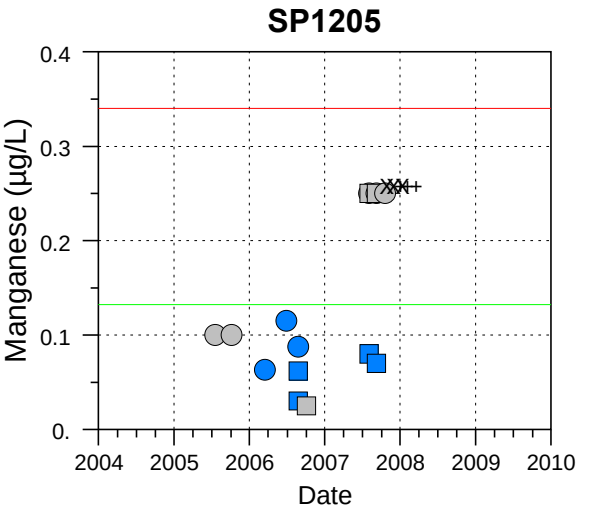
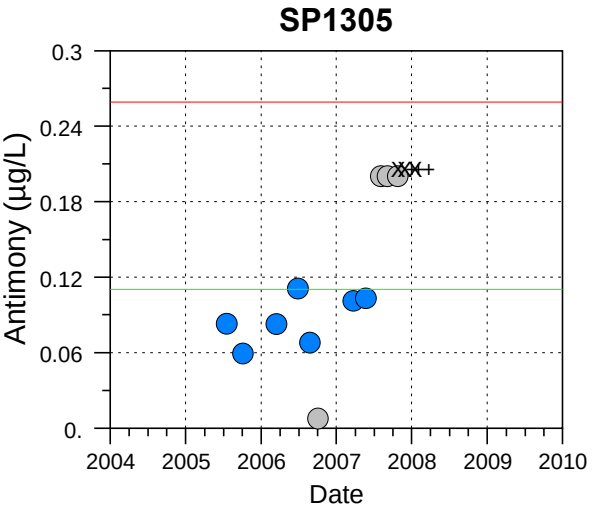
THE pebble PARTNERSHIP

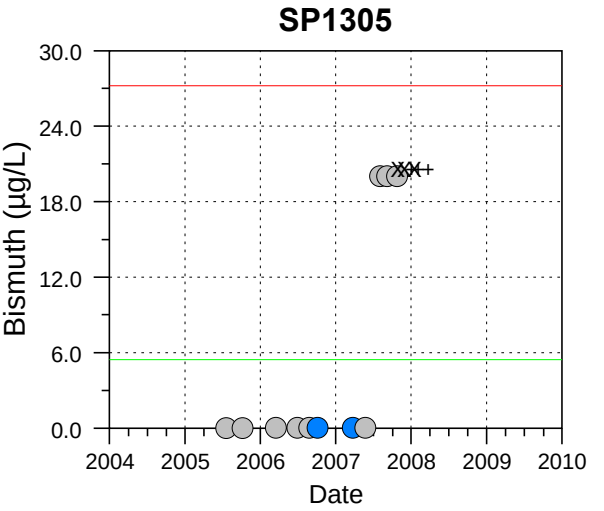
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

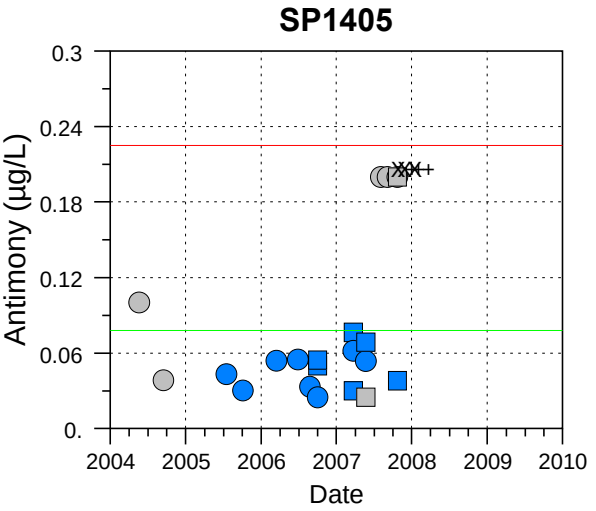
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

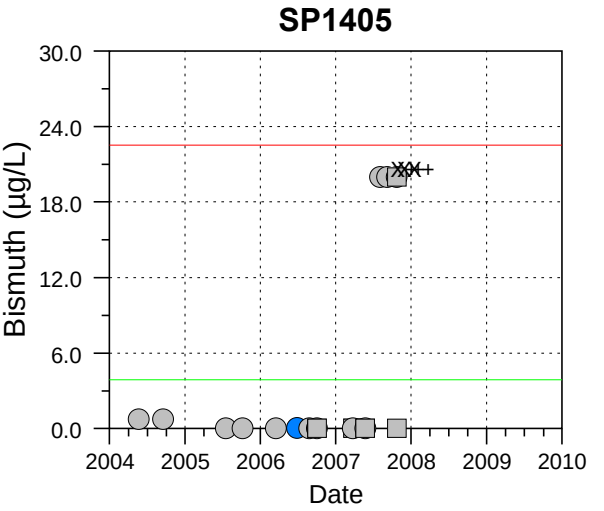












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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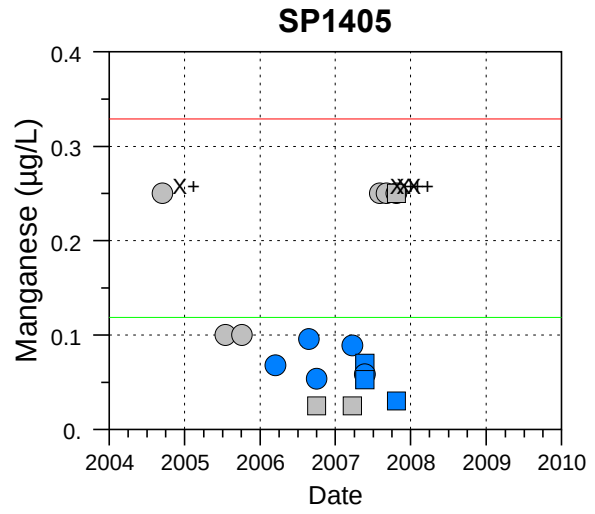
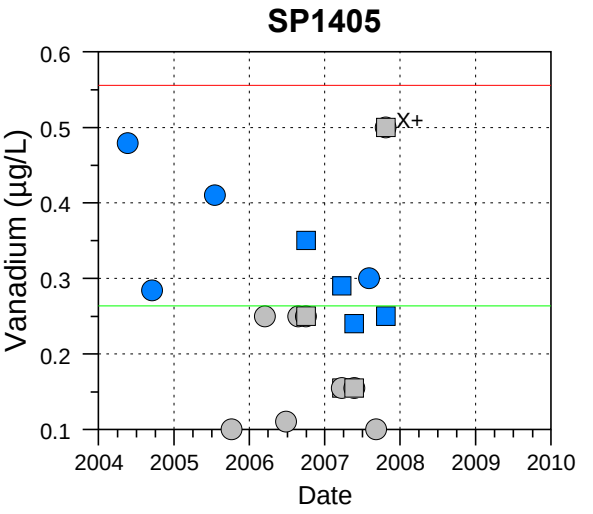
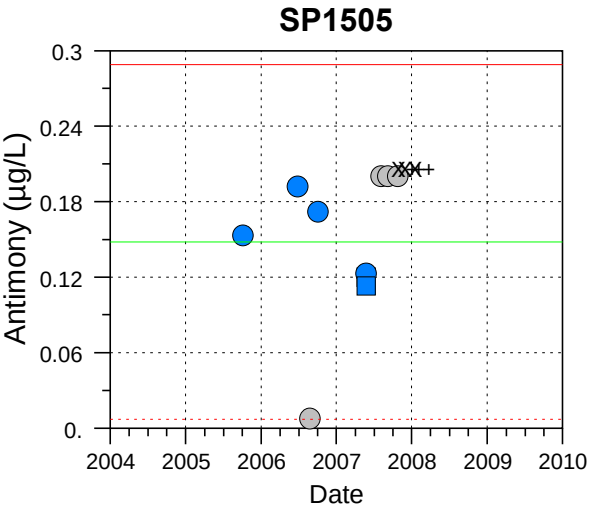
THE pebble PARTNERSHIP

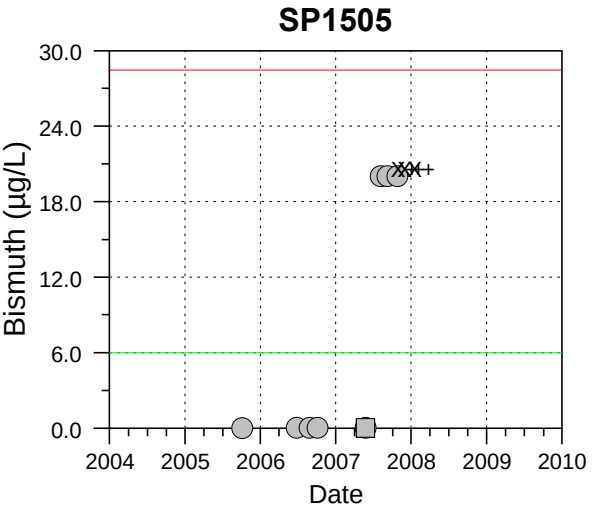
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

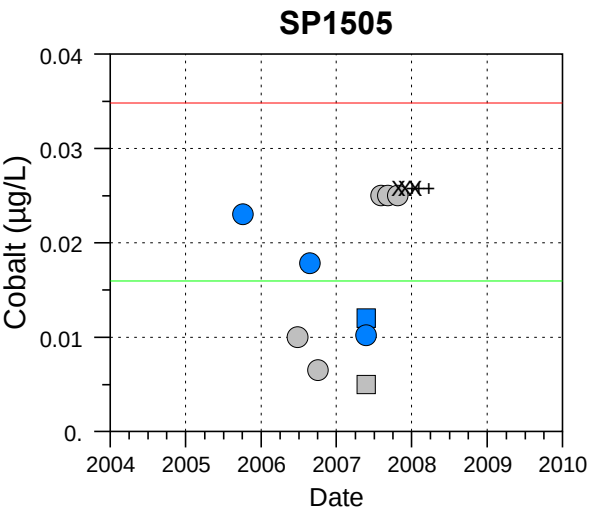
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

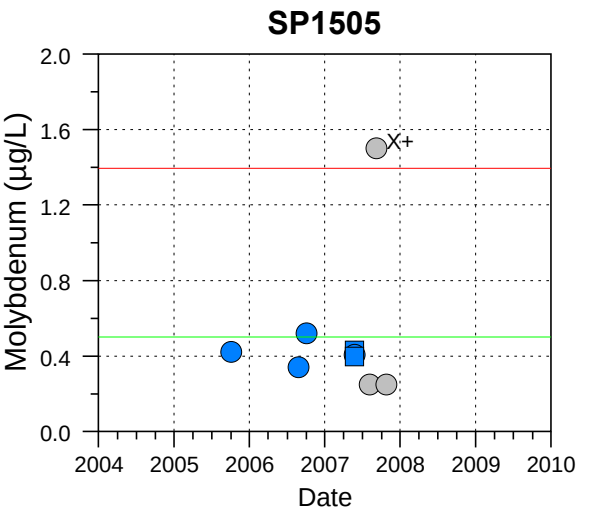












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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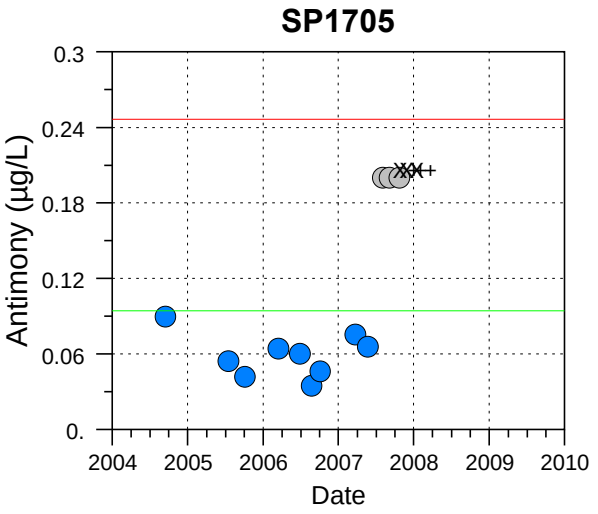
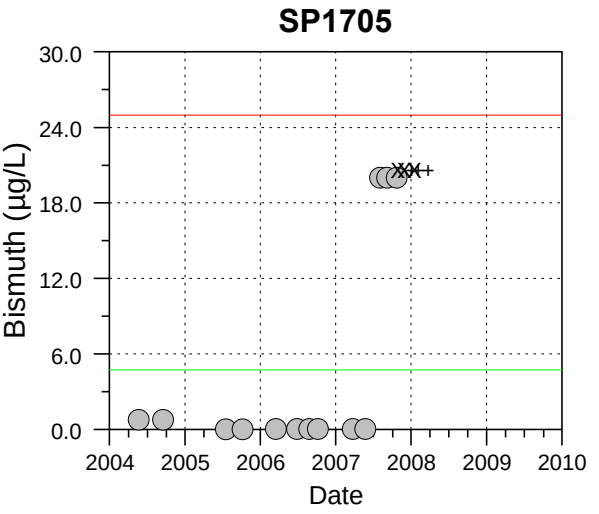
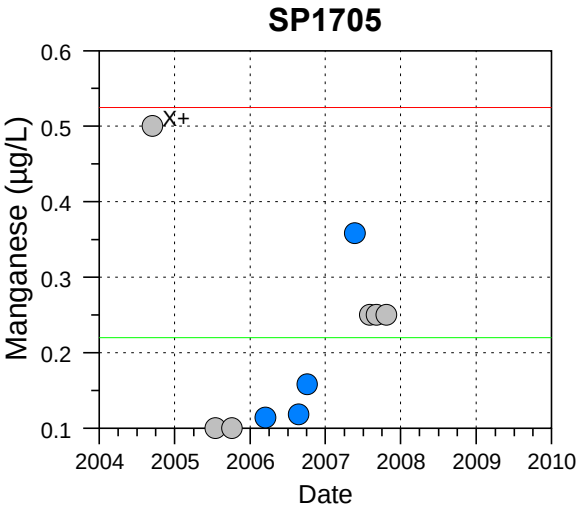
THE pebble PARTNERSHIP

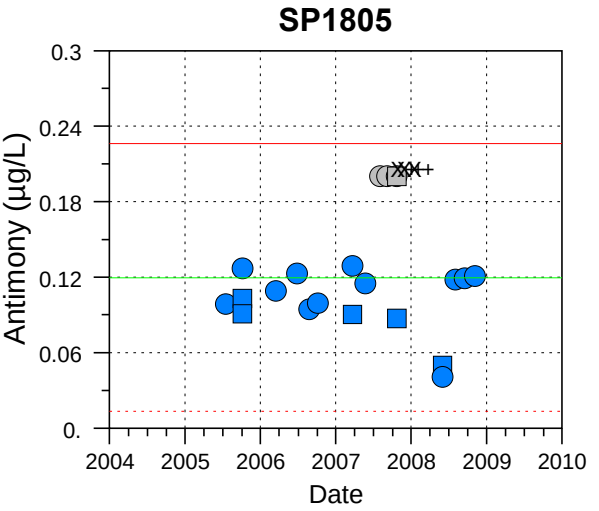
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

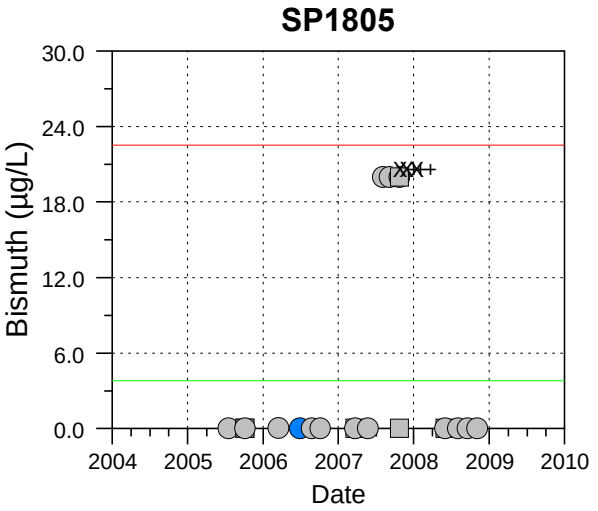
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

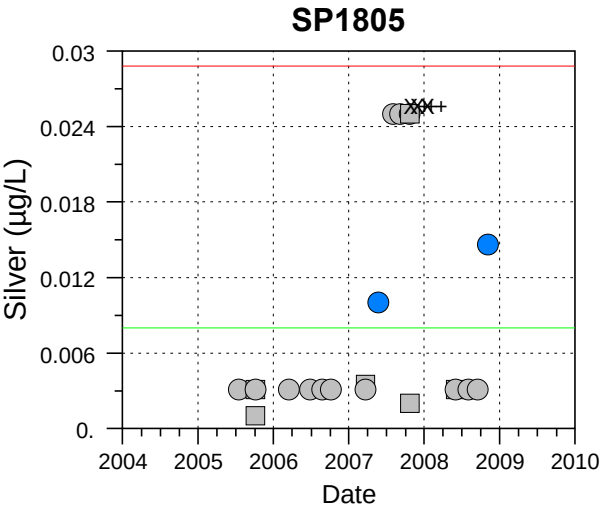












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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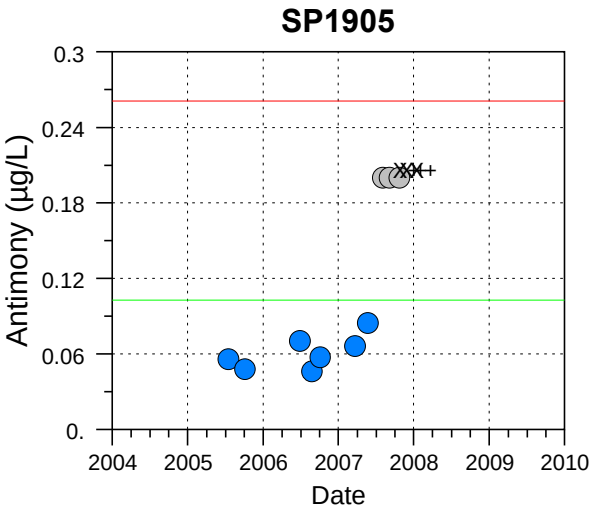
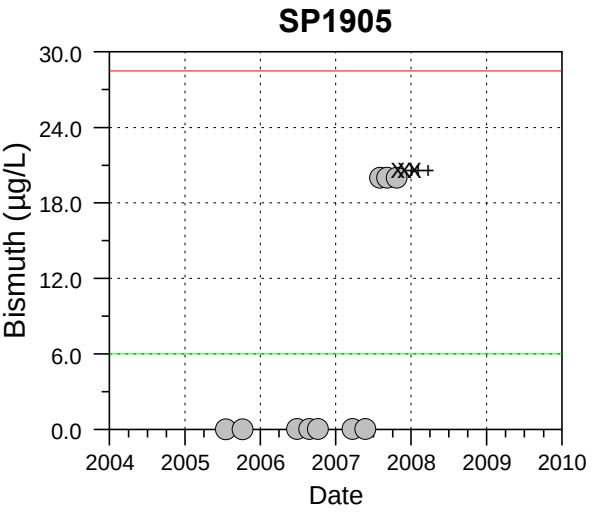
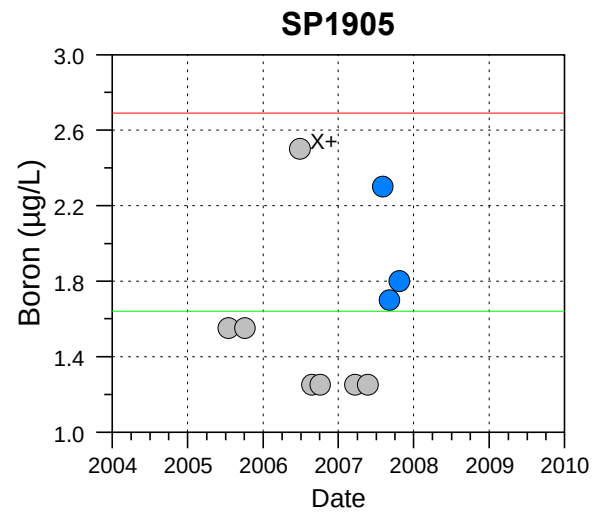
THE pebble PARTNERSHIP

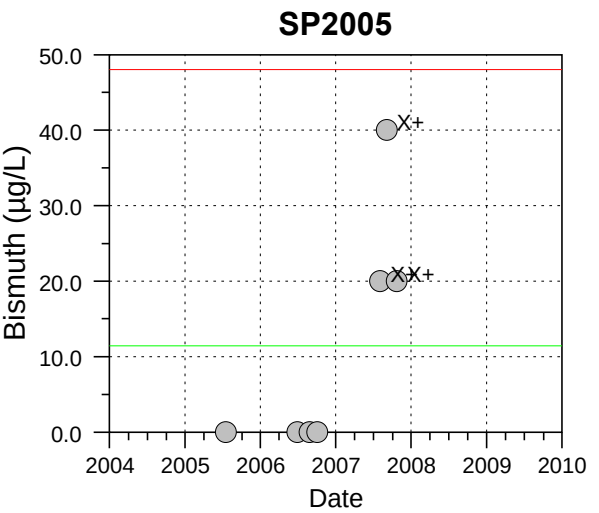
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

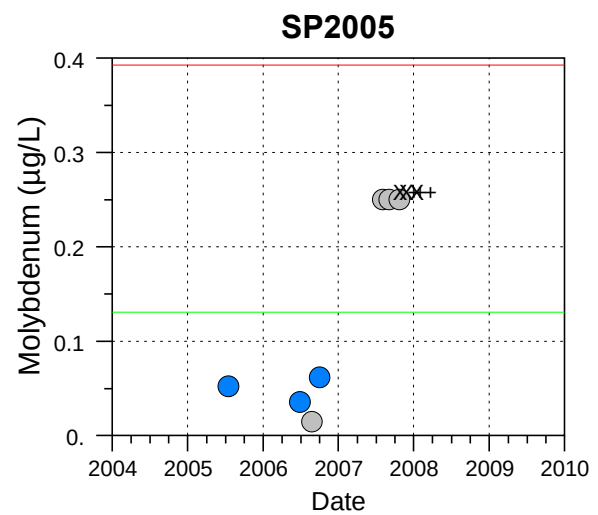
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

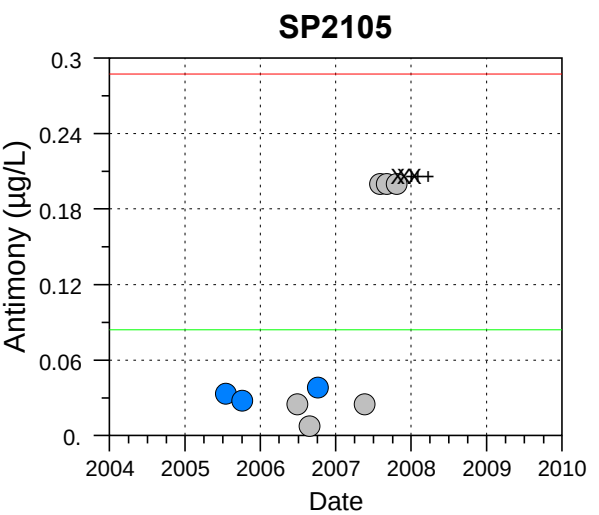












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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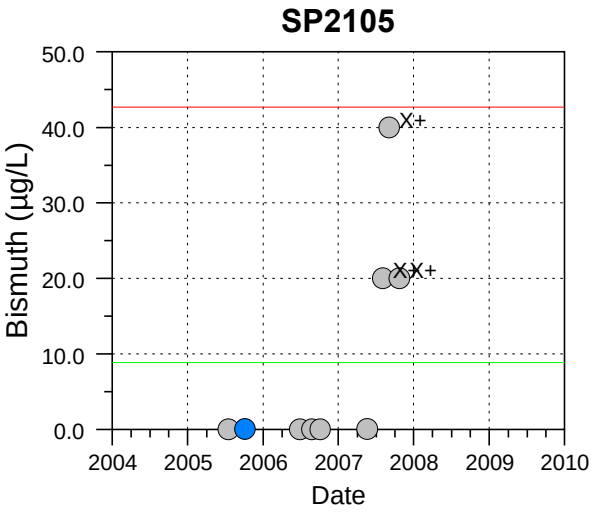
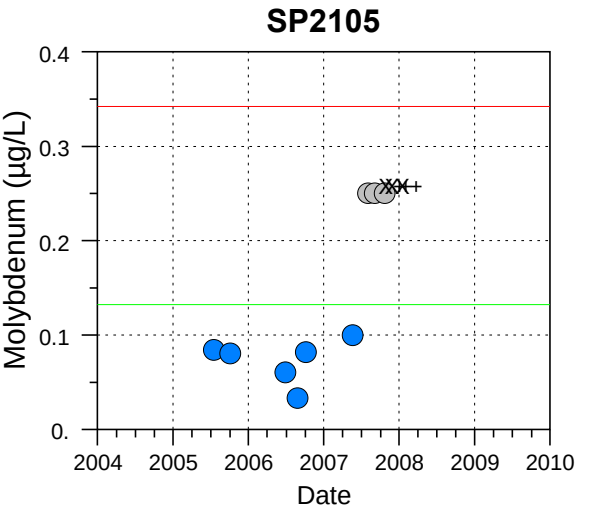
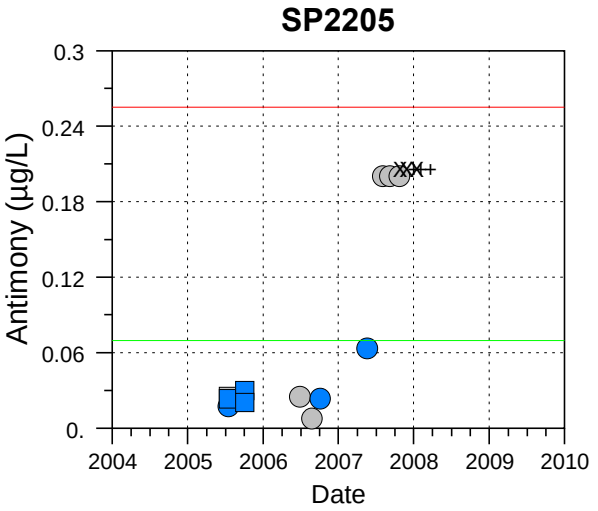
THE pebble PARTNERSHIP

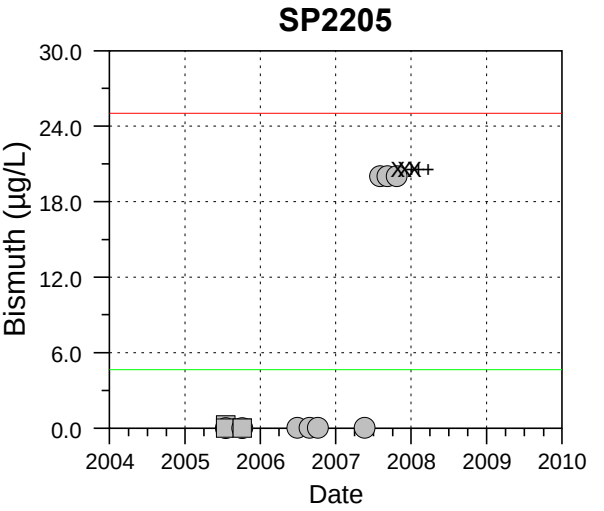
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

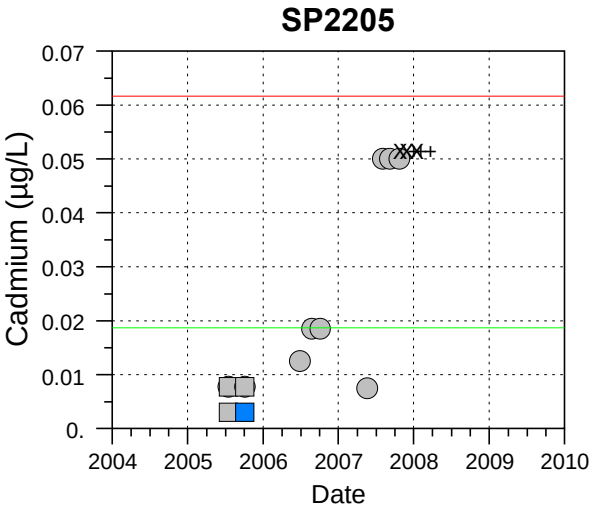
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

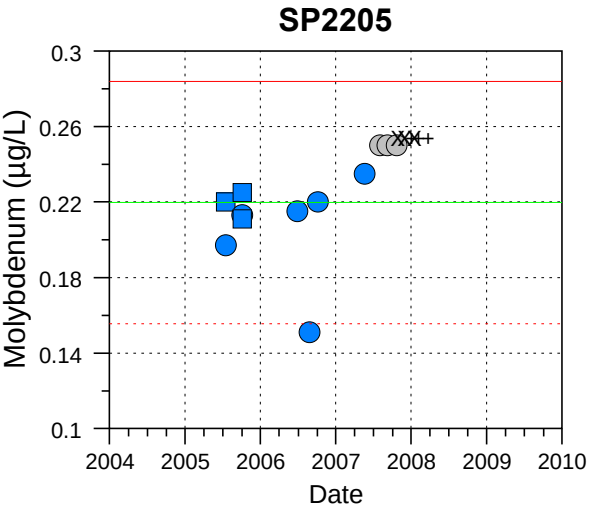












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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Appendix 9.1D
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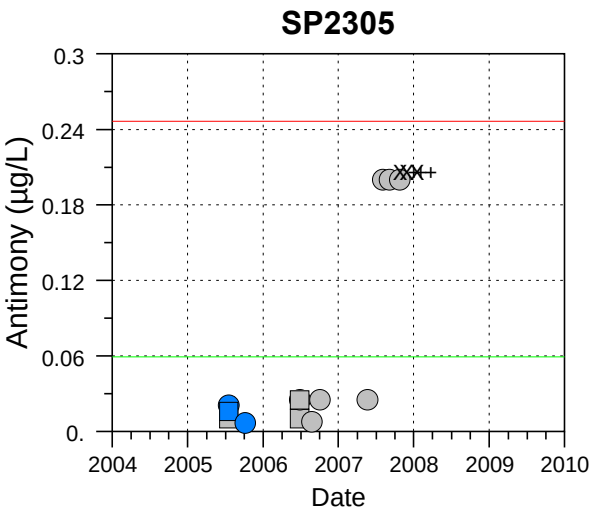

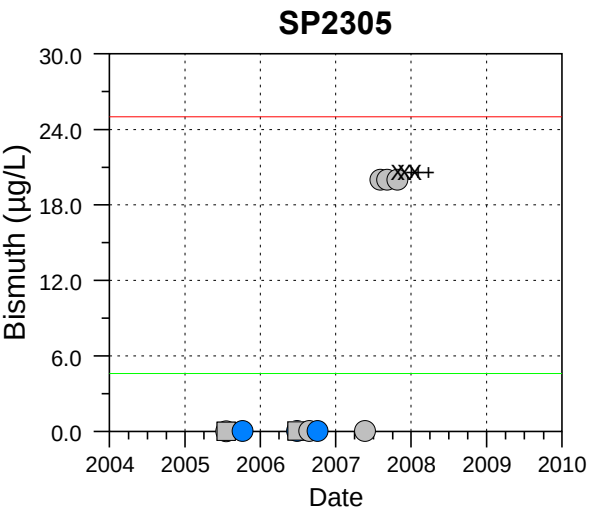

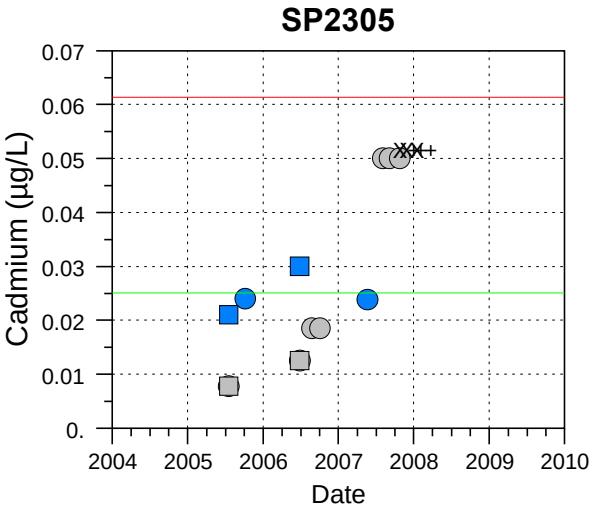

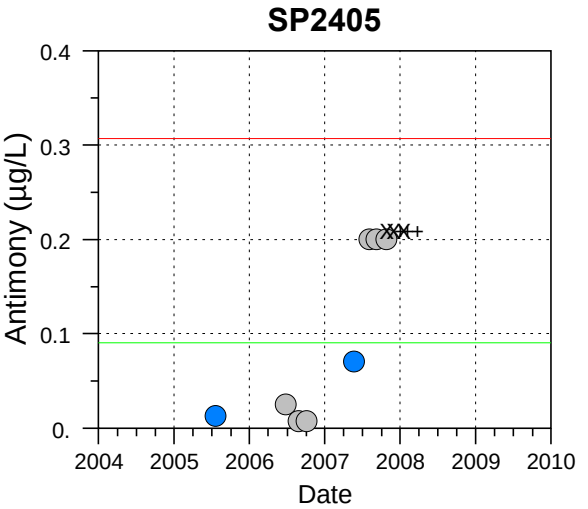

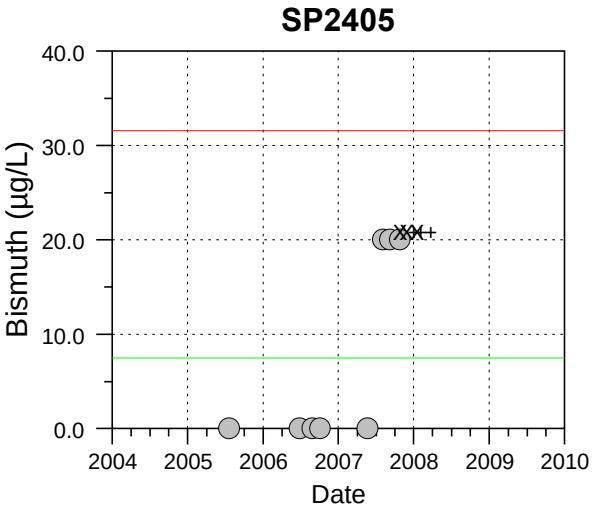

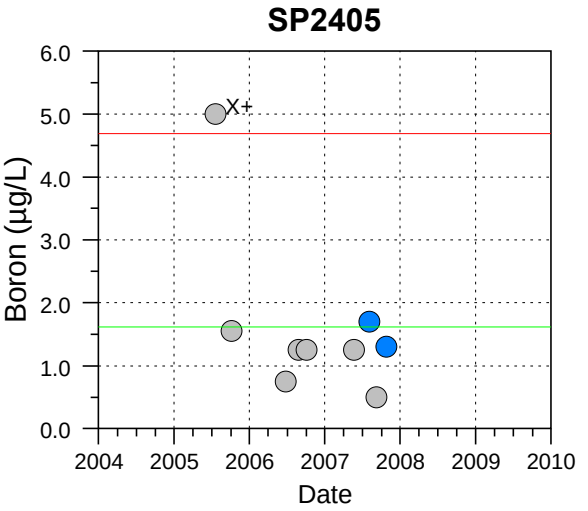

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

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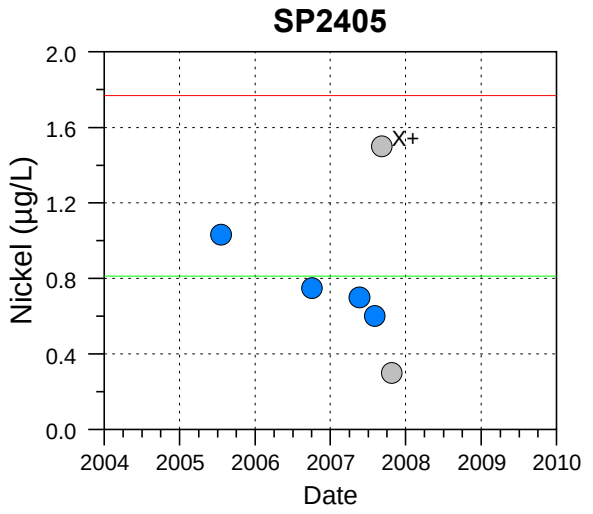
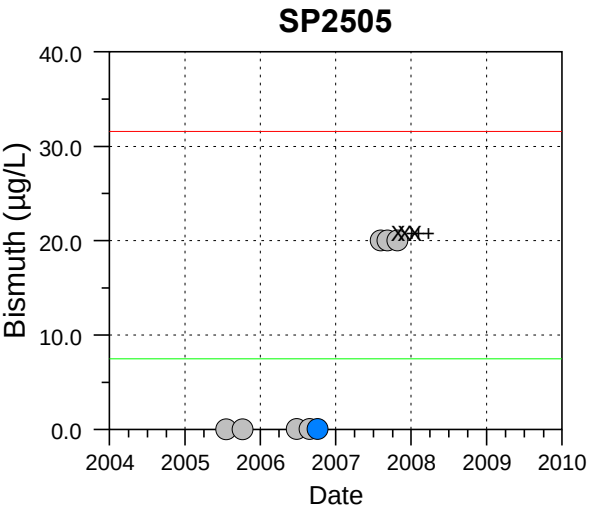
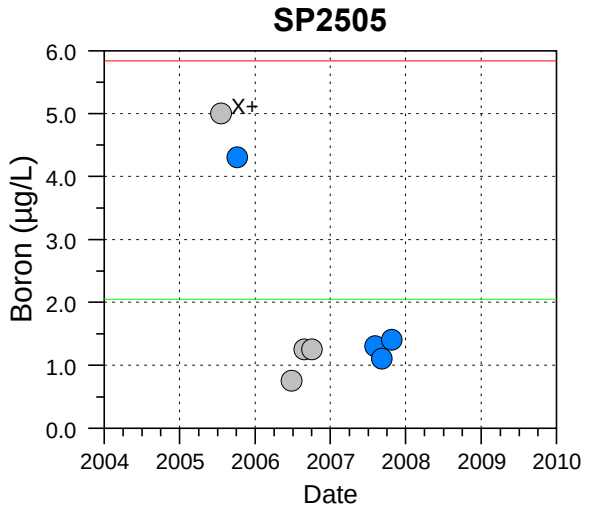
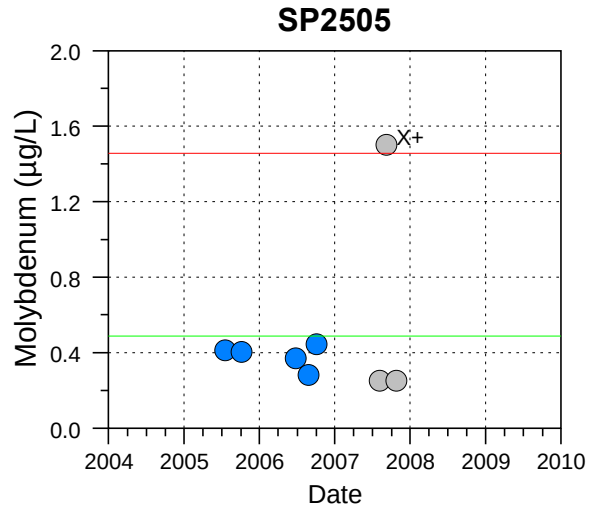
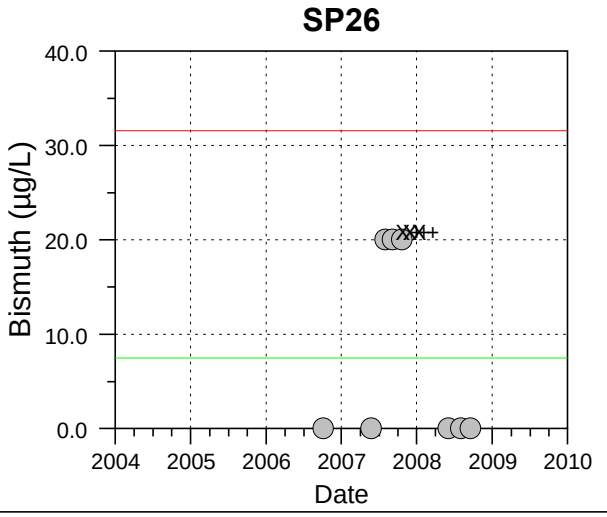
Version: 1	Author: SWS-ca

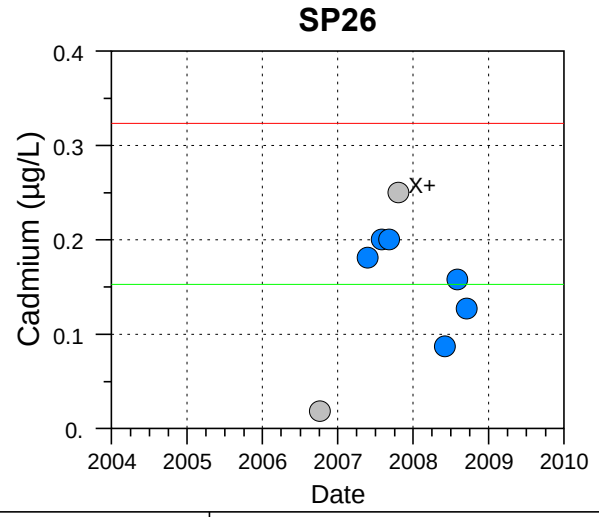












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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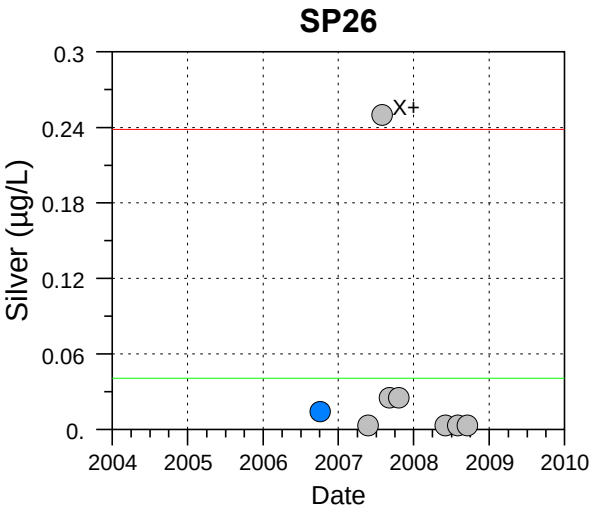
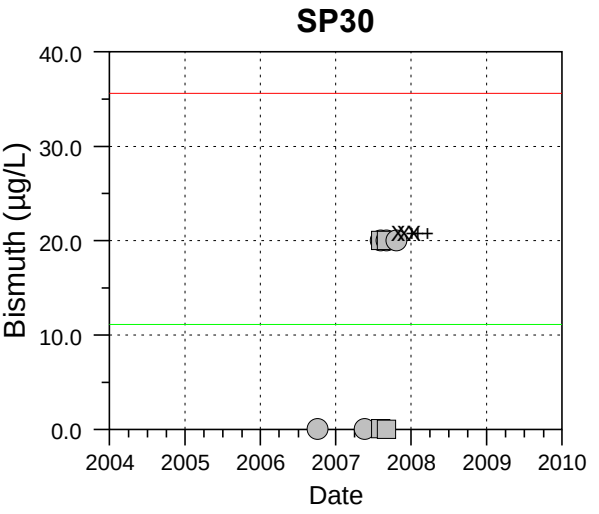
3) ug/L = micrograms per liter

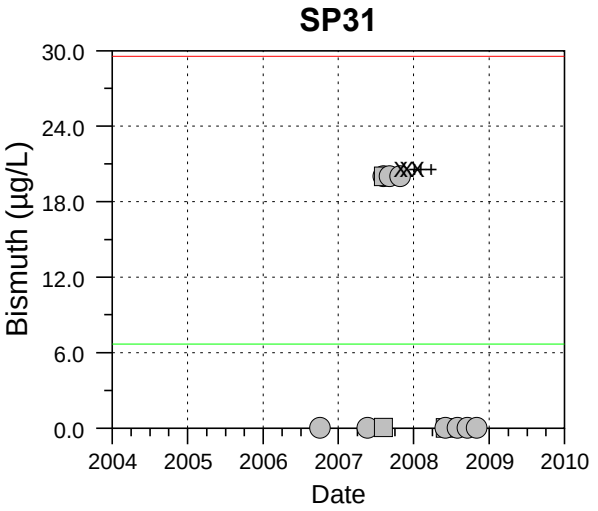
THE pebble PARTNERSHIP

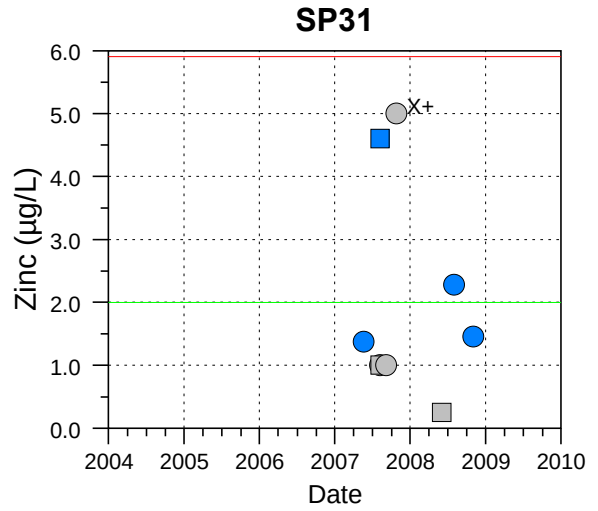
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

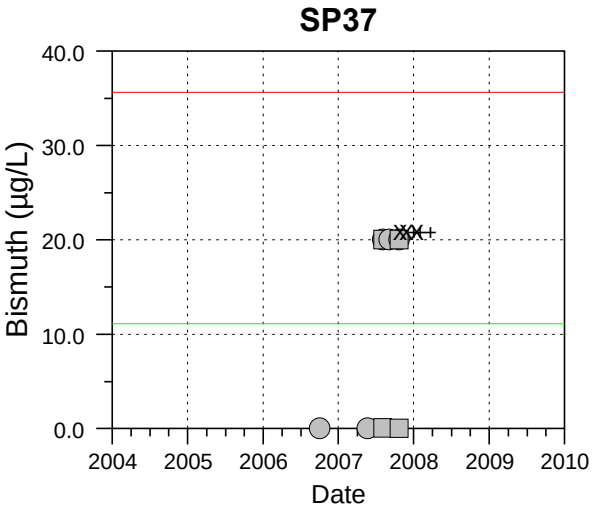
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

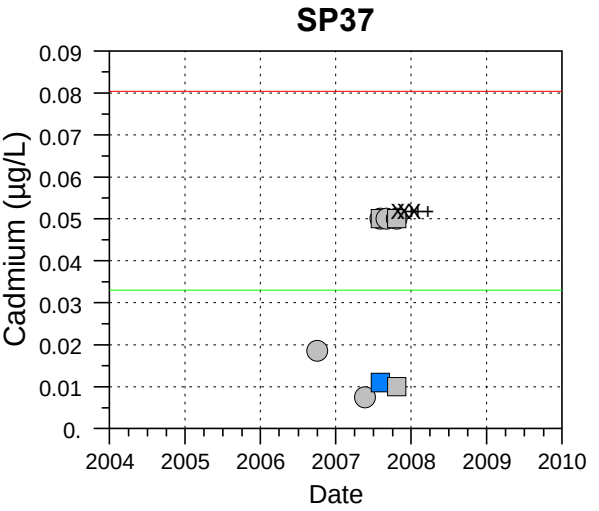












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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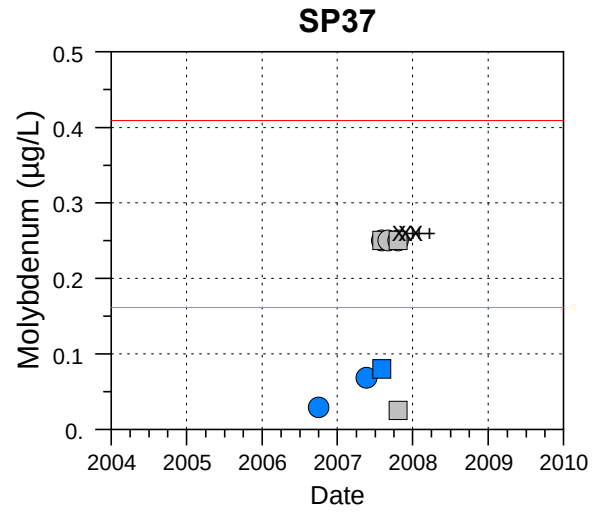
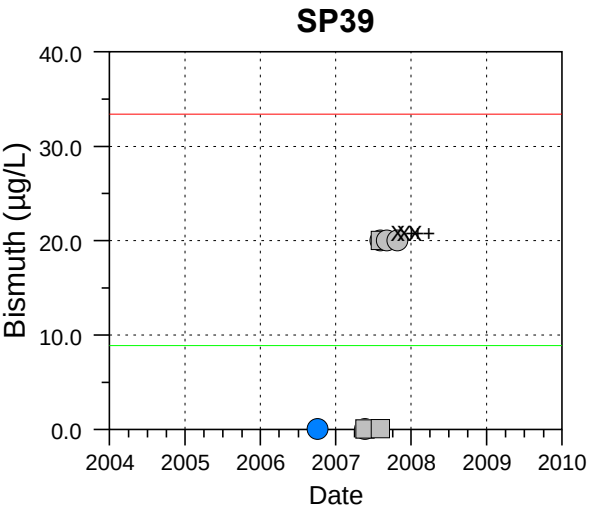
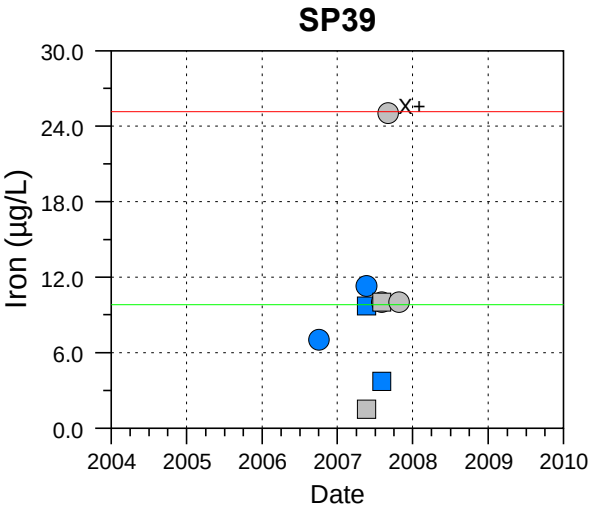
THE pebble PARTNERSHIP

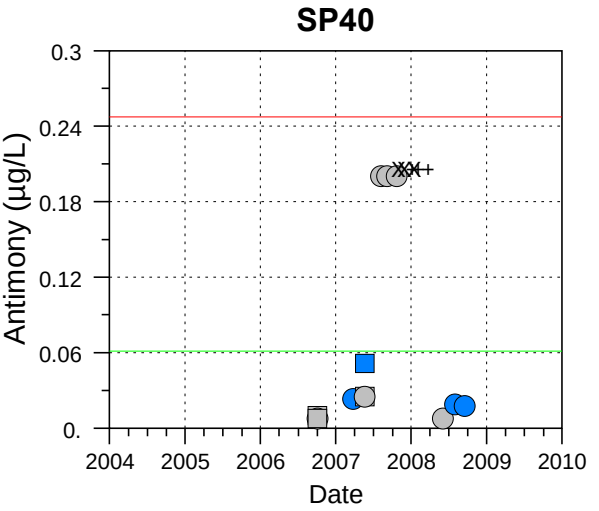
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

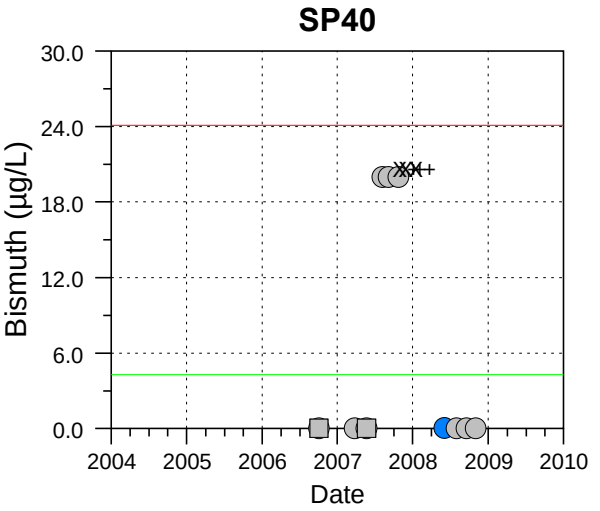
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

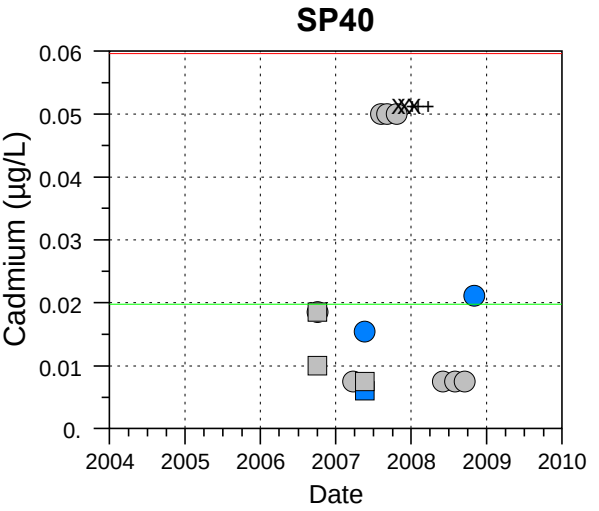












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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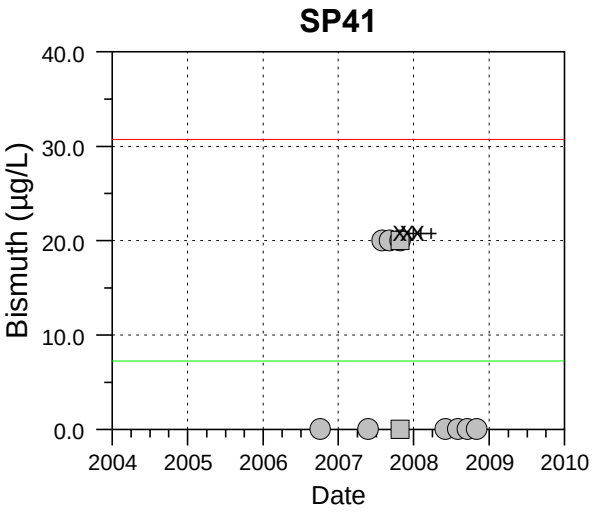
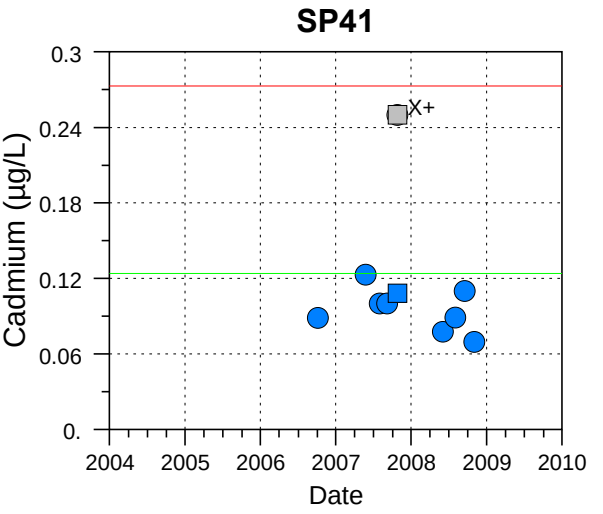
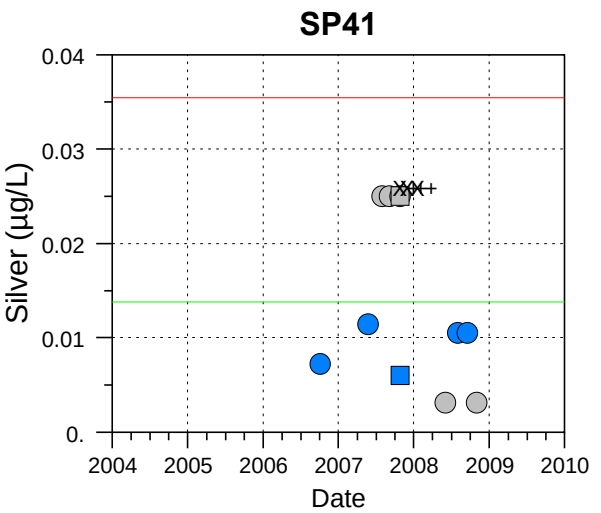
THE pebble PARTNERSHIP

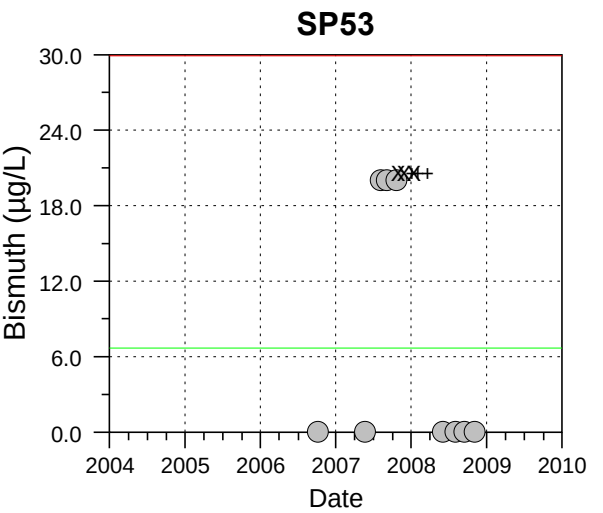
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

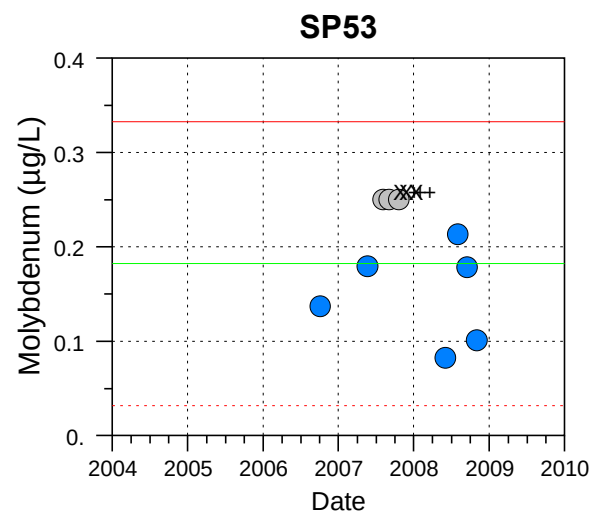
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

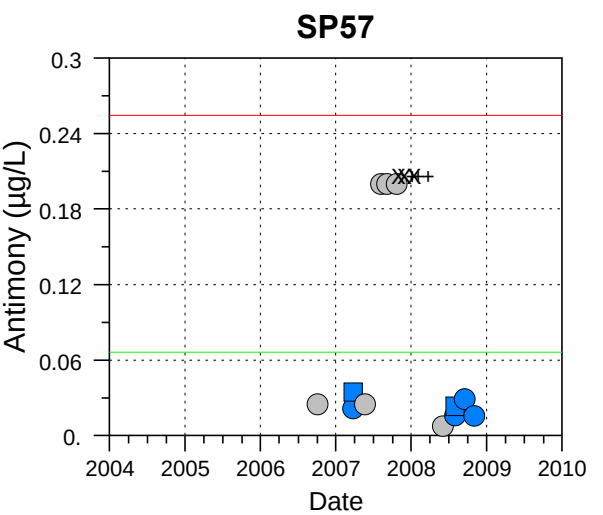












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

File: 7126	Date: Jul 07, 2011
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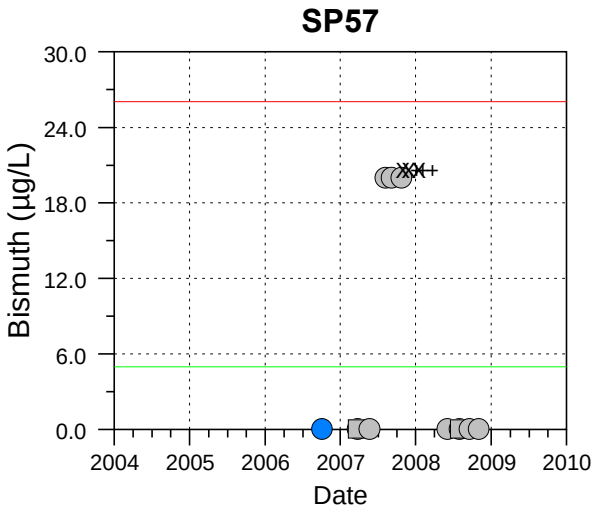

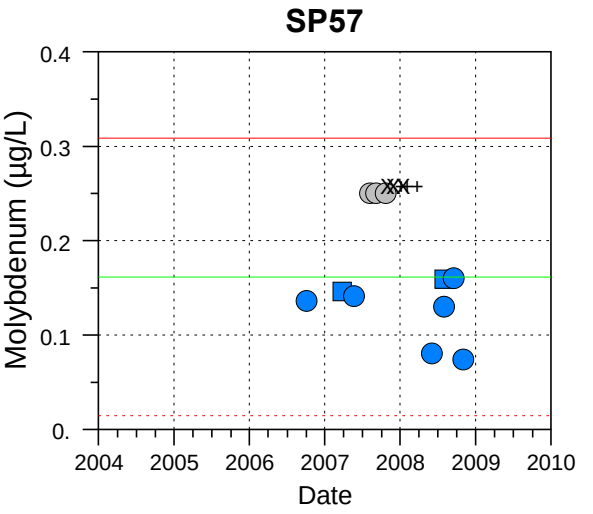

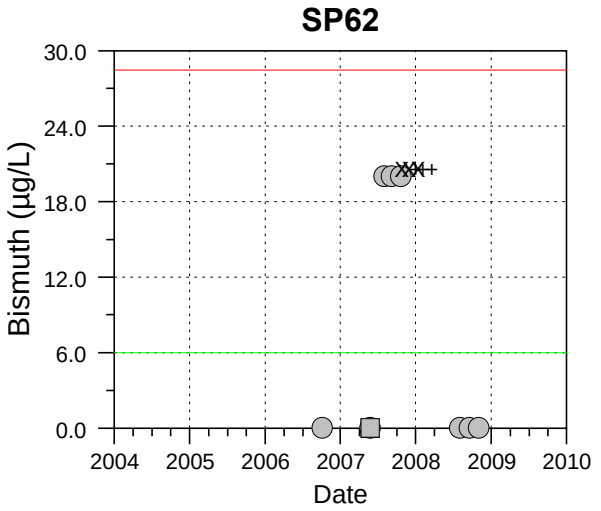

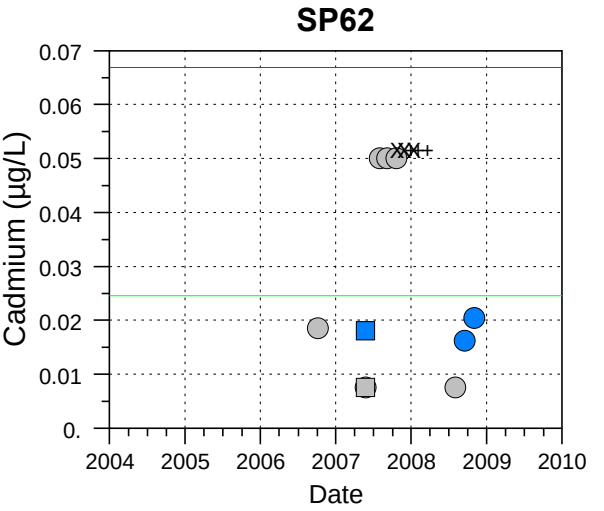

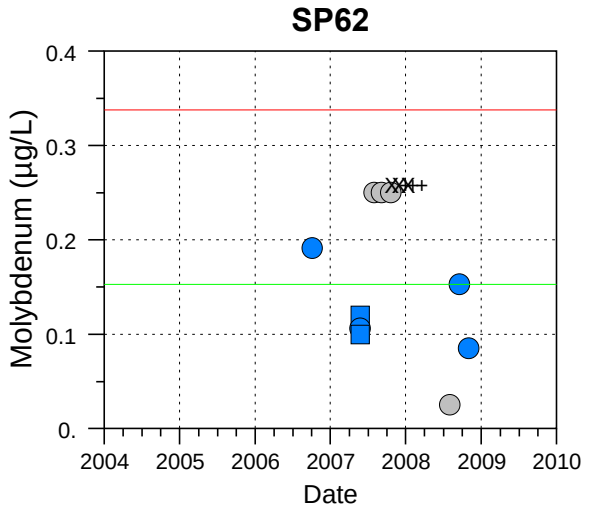

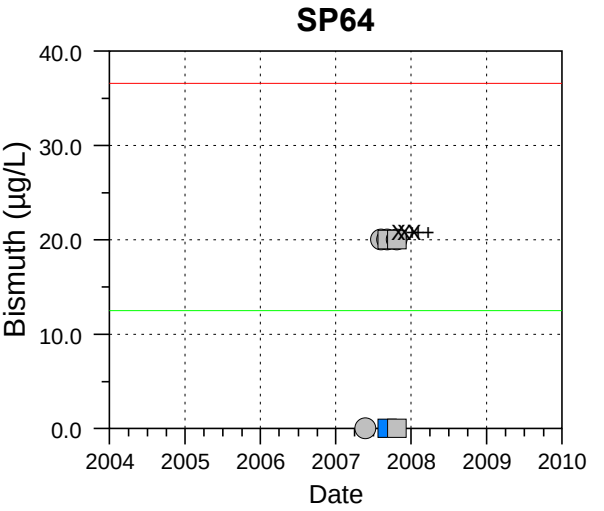

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

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Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

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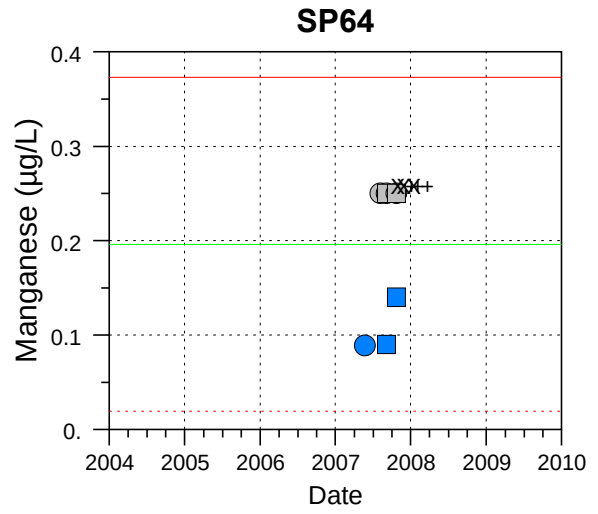

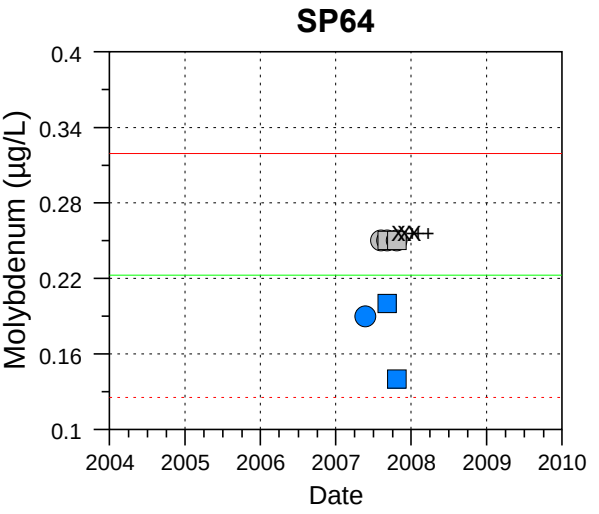

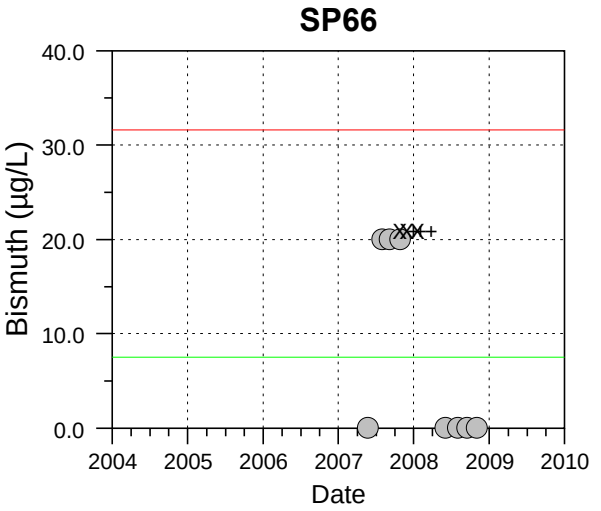

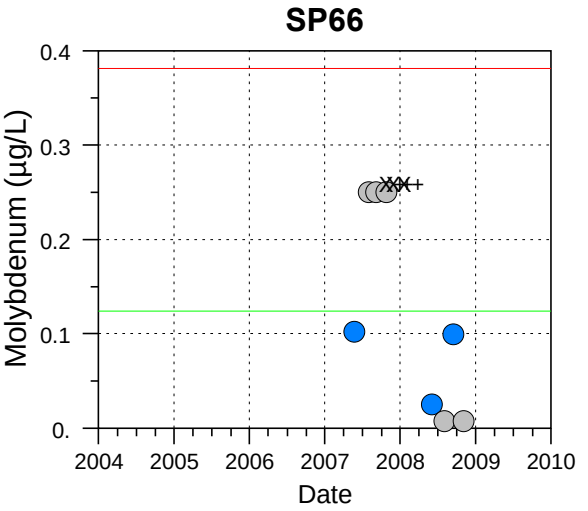

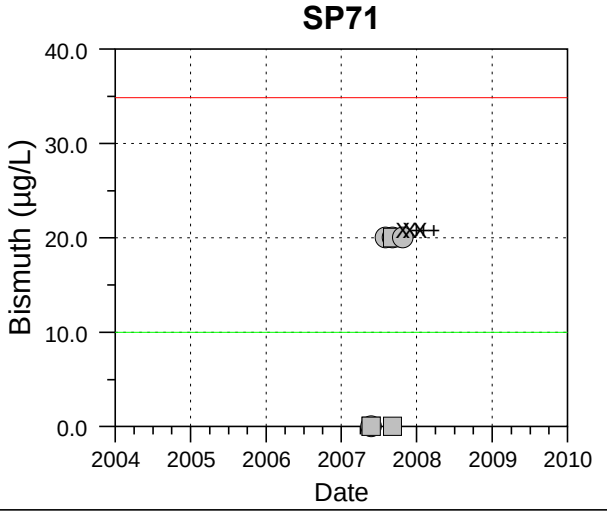

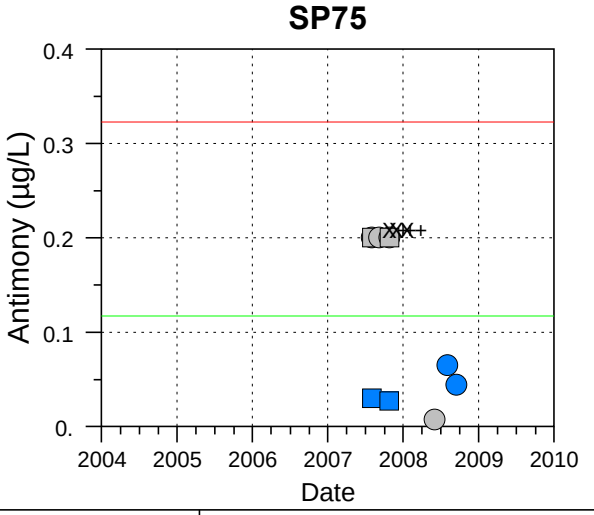

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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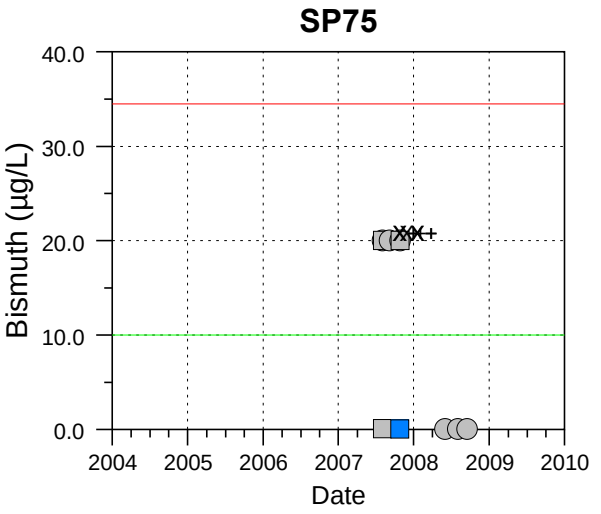

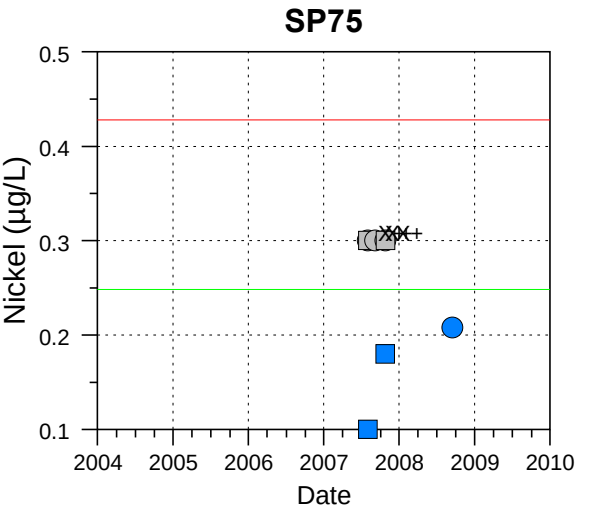

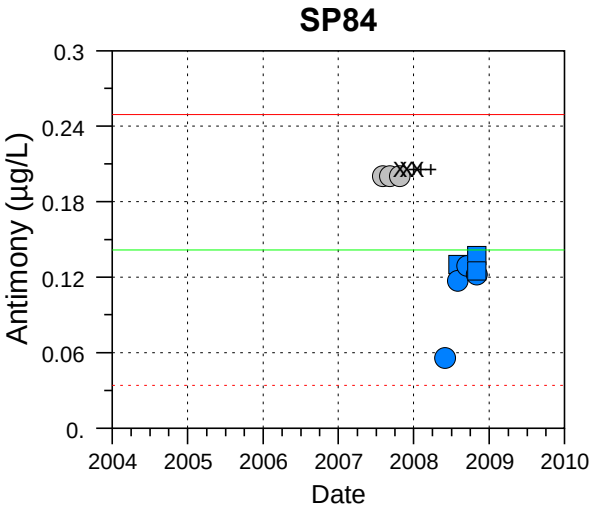

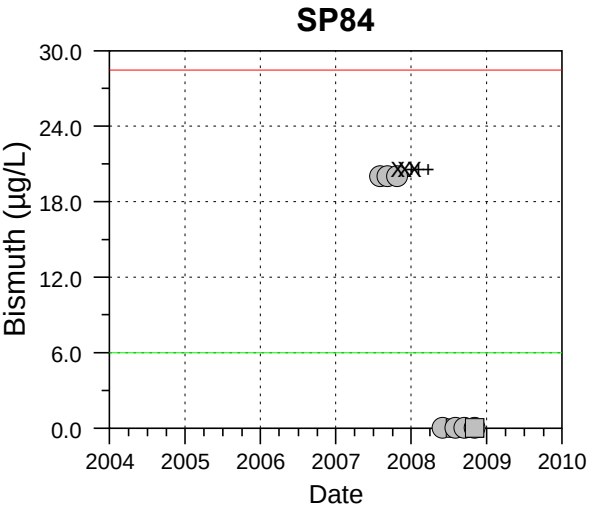

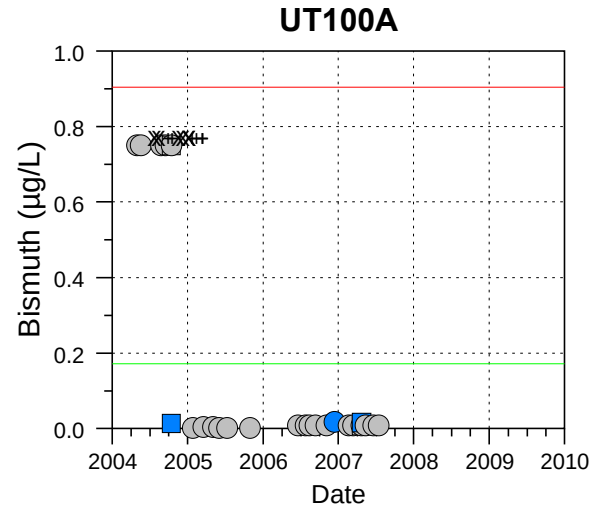

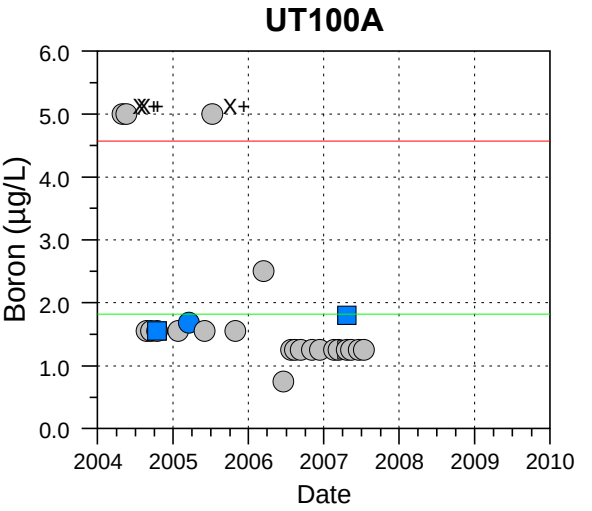

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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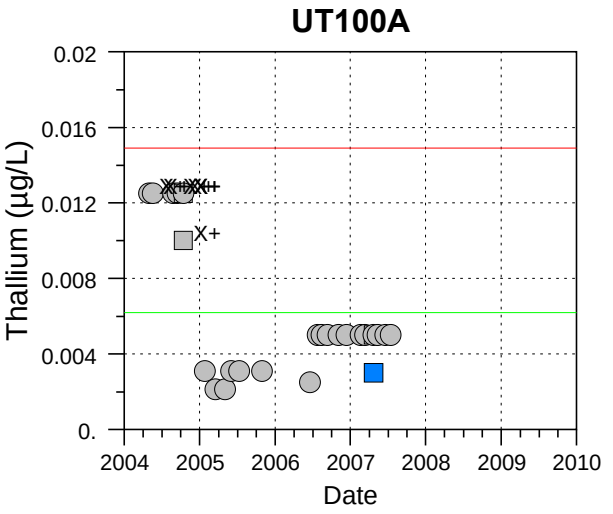

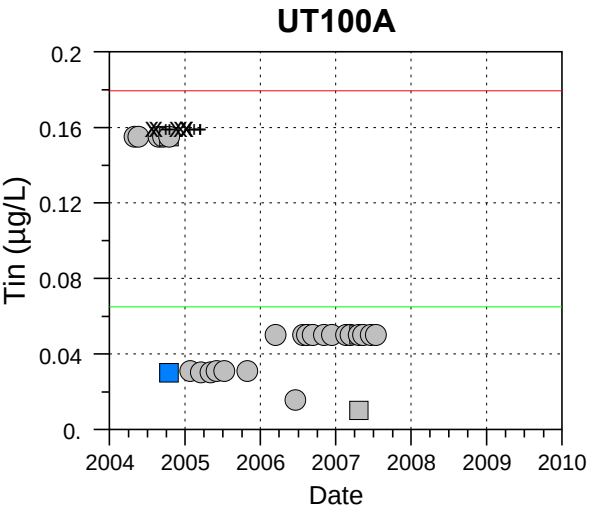

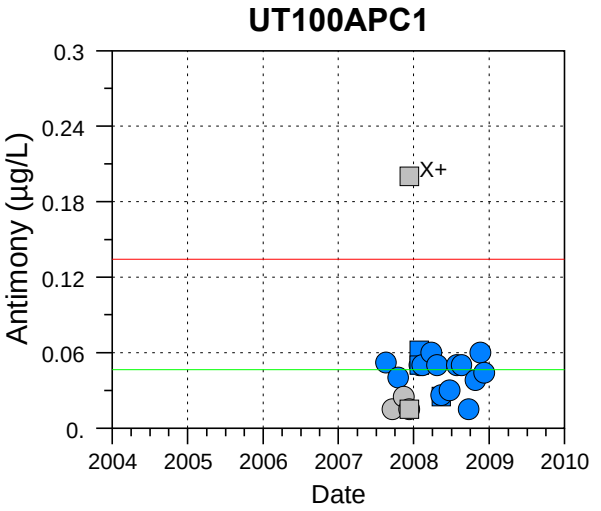

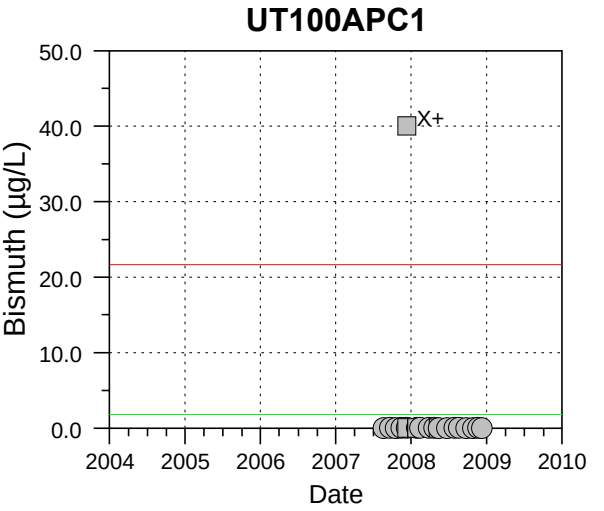

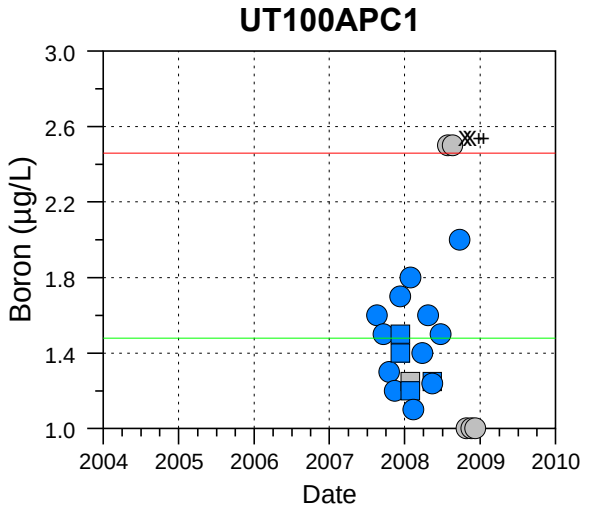

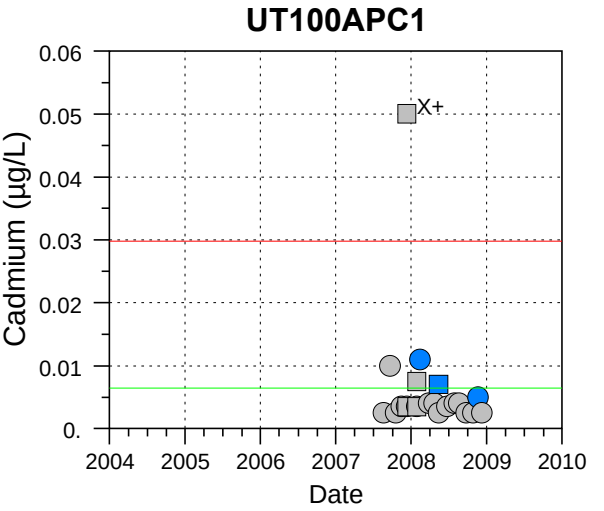

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

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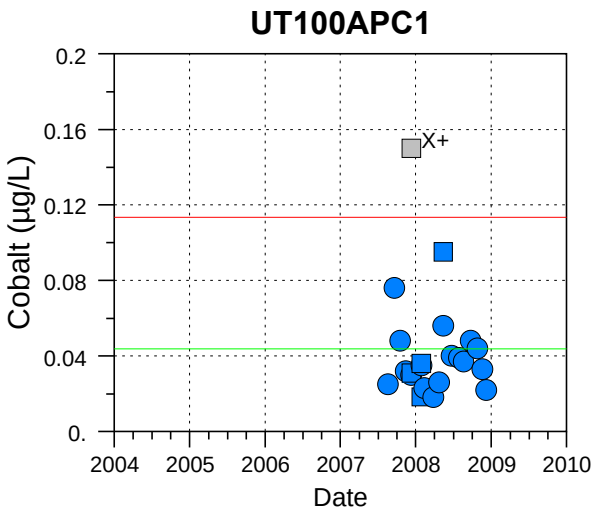

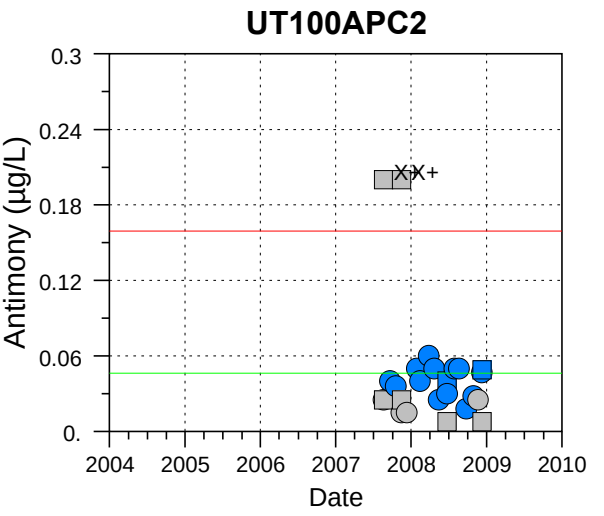

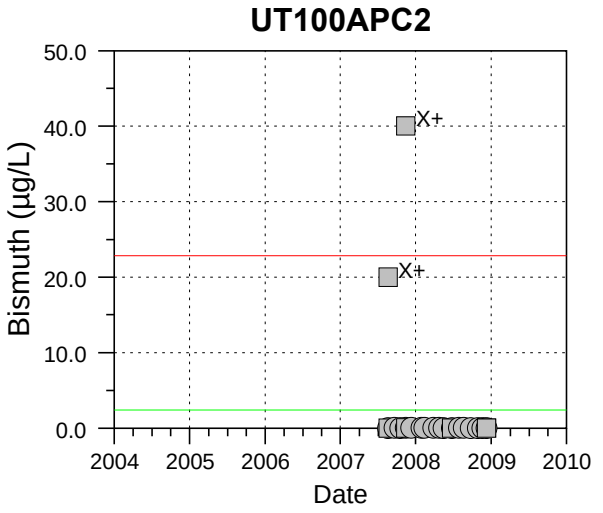

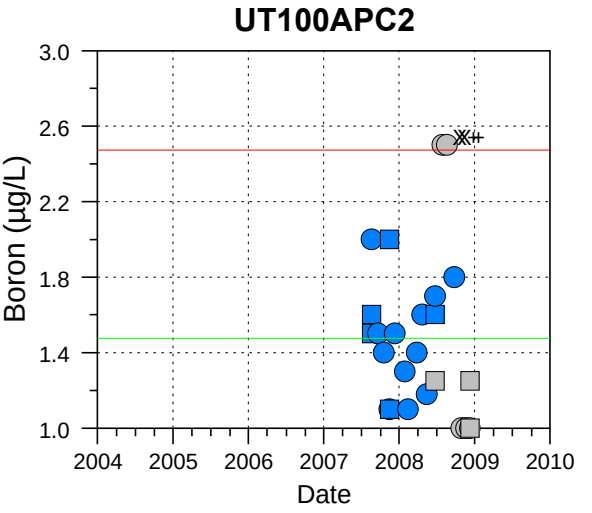

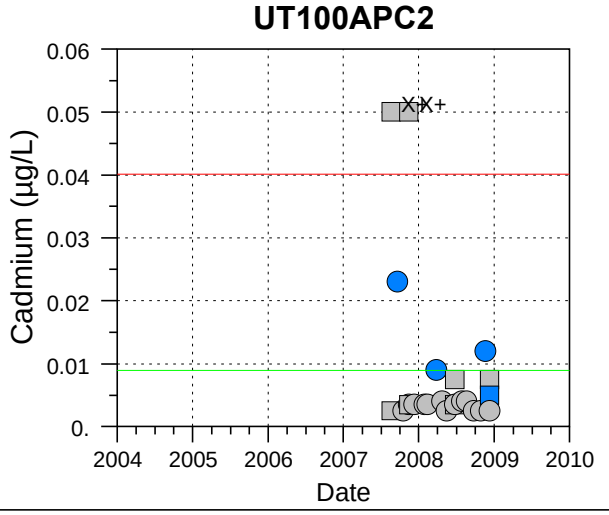

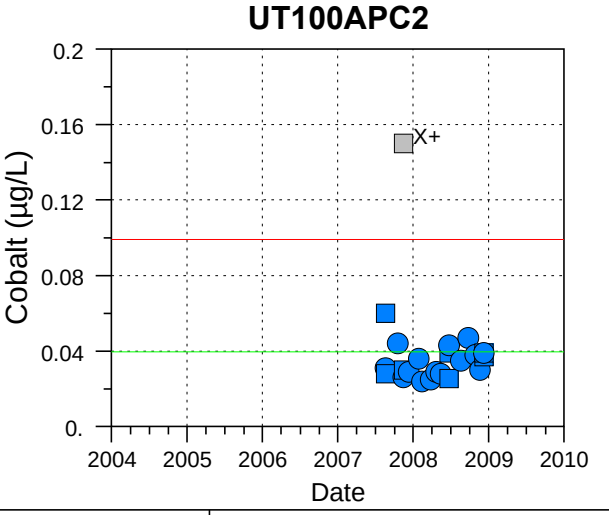

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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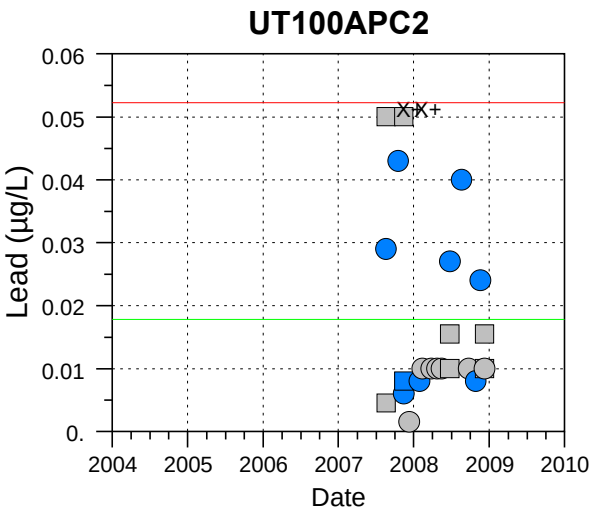
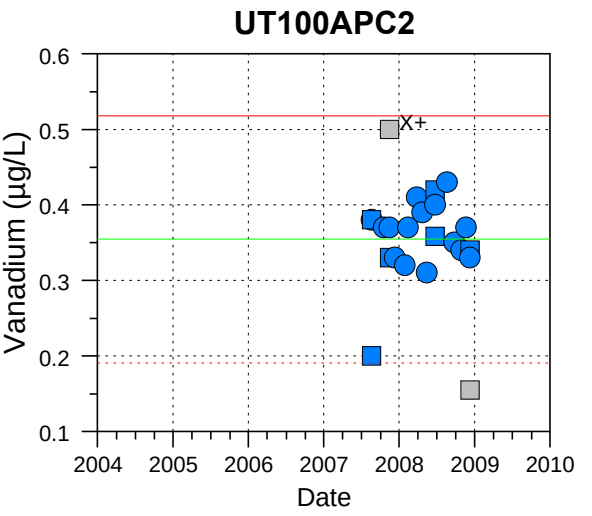
3) ug/L = micrograms per liter

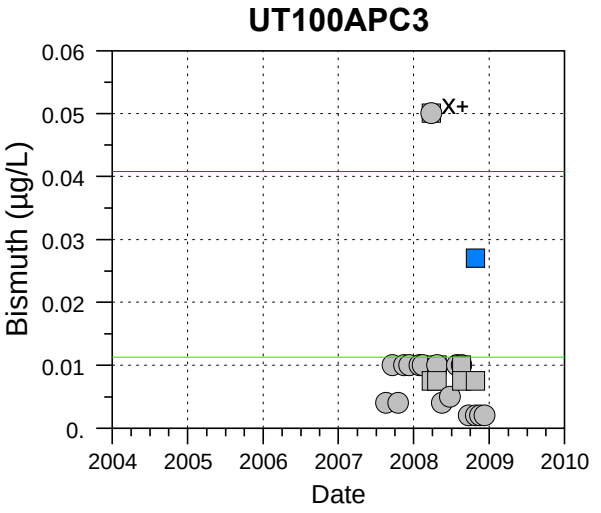
THE pebble PARTNERSHIP

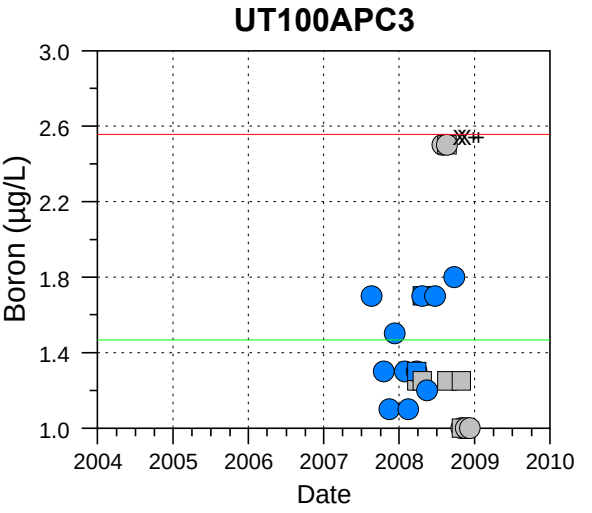
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

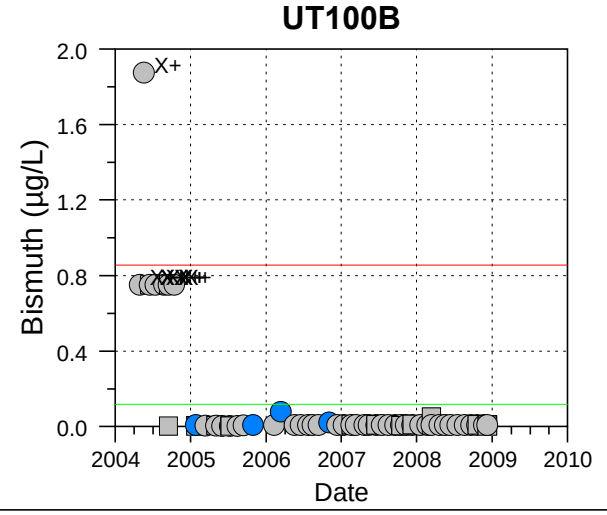
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

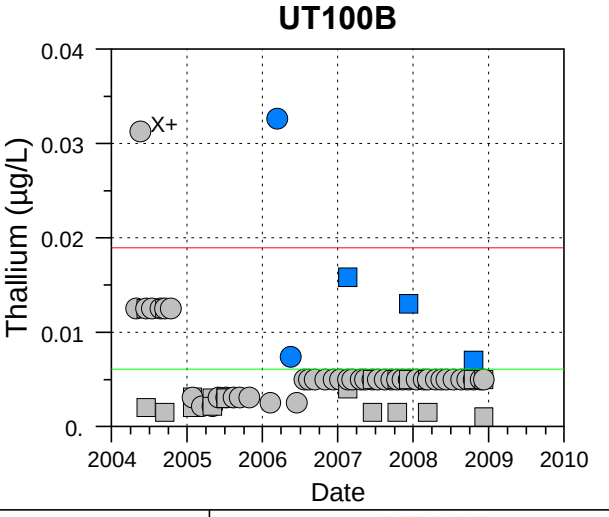












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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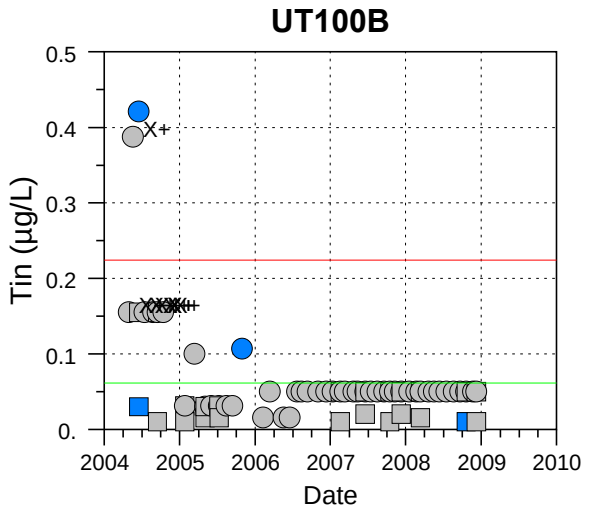
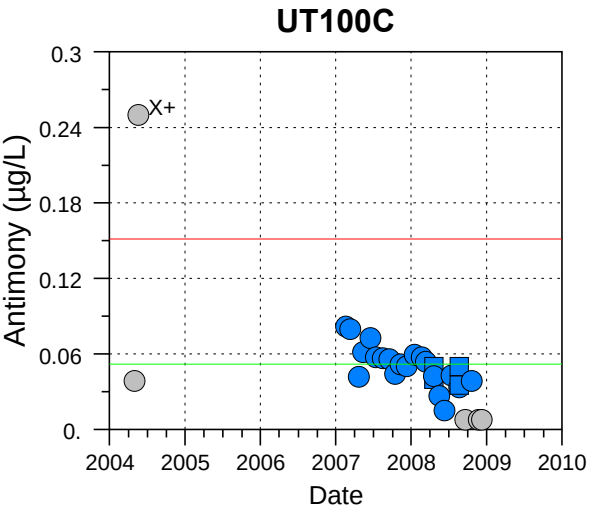
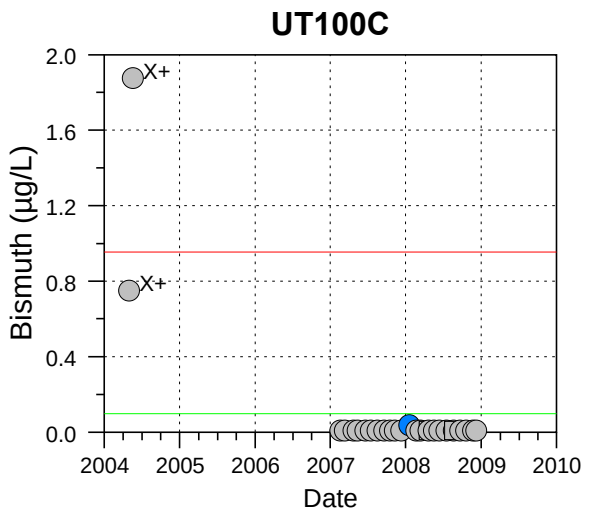
THE pebble PARTNERSHIP

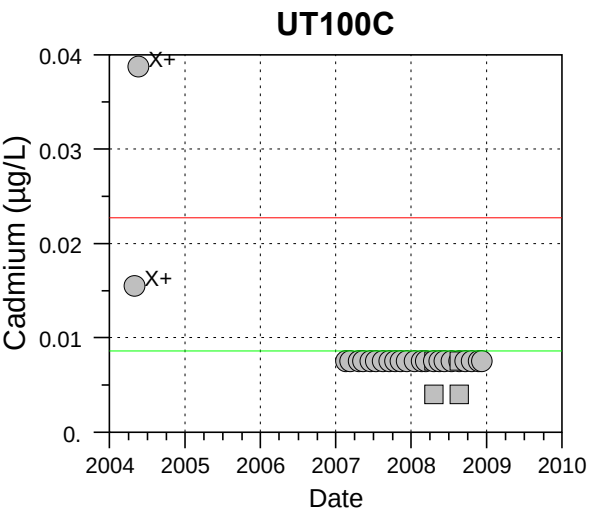
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

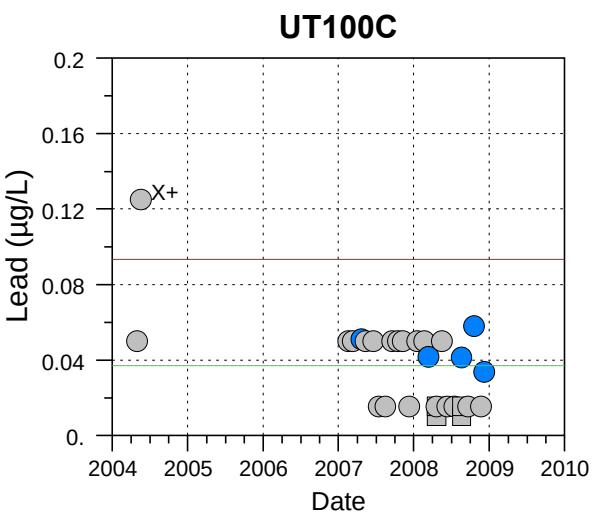
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

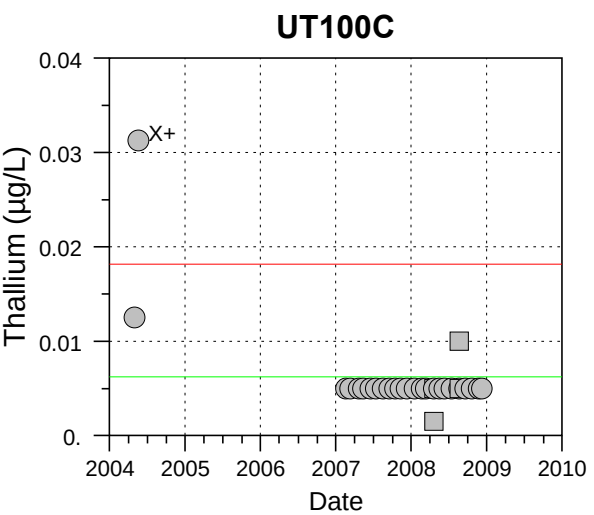












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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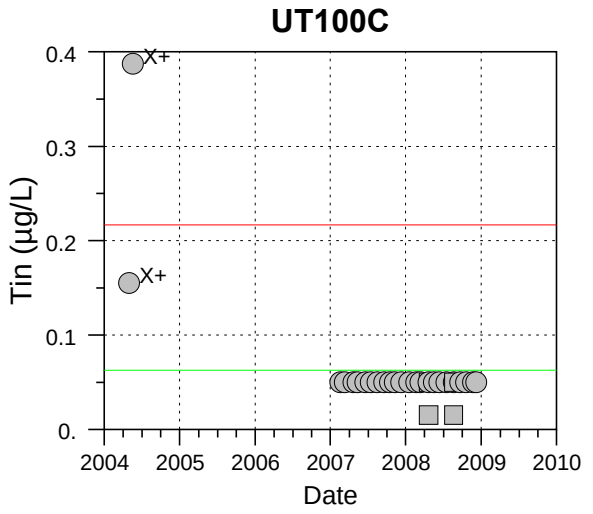
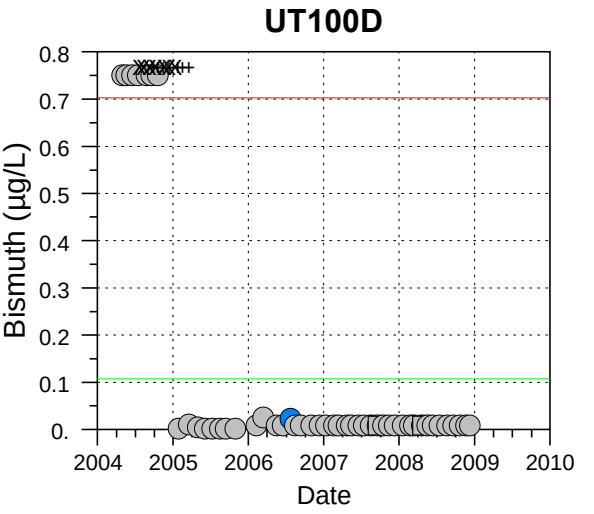
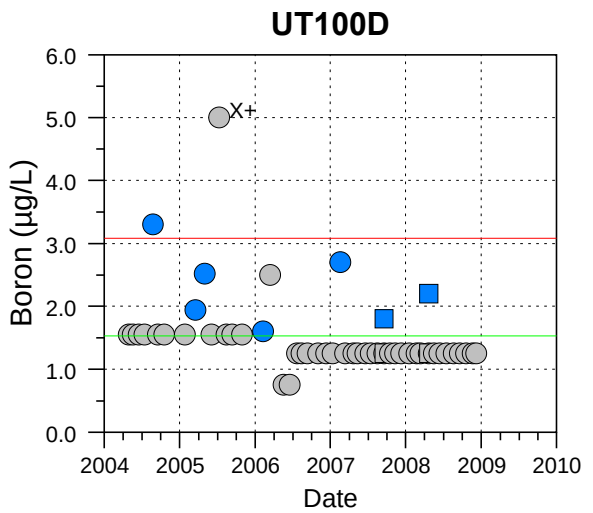
THE pebble PARTNERSHIP

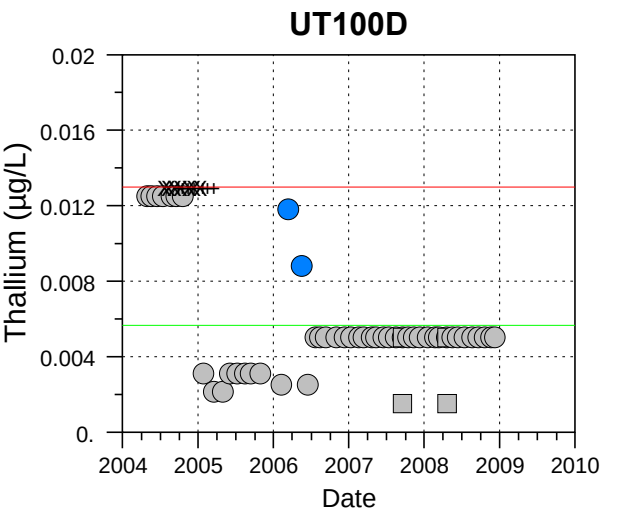
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

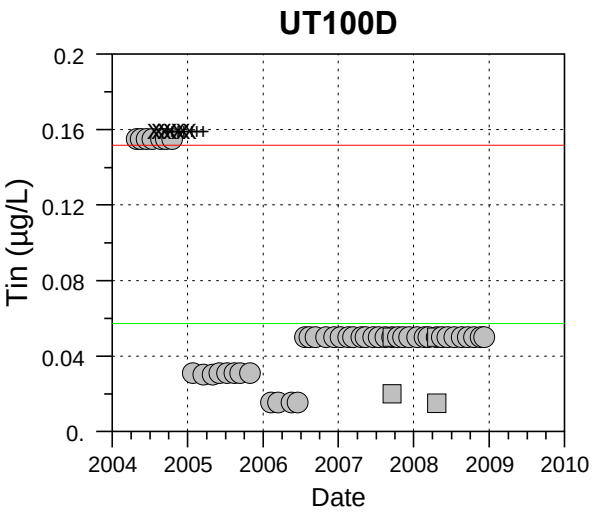
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

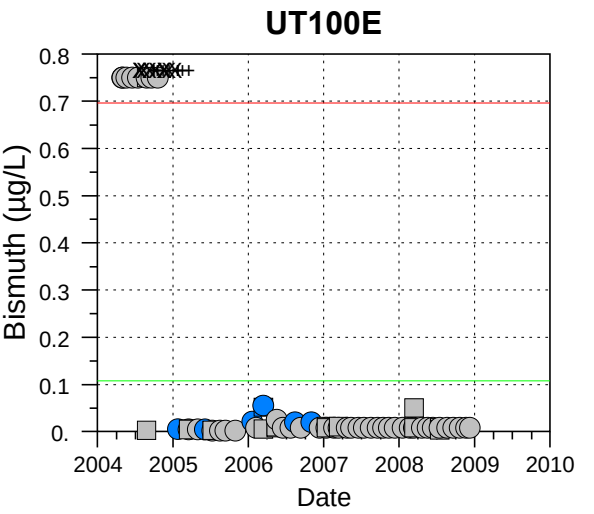












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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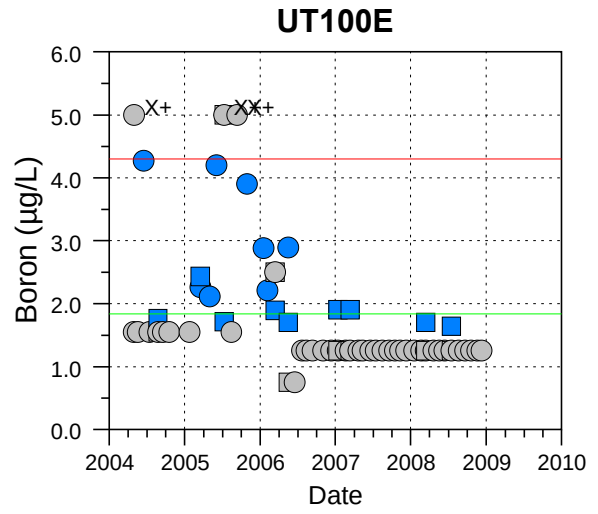
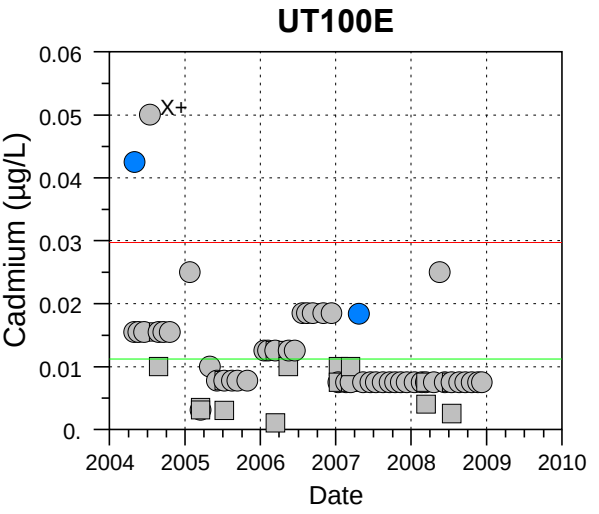
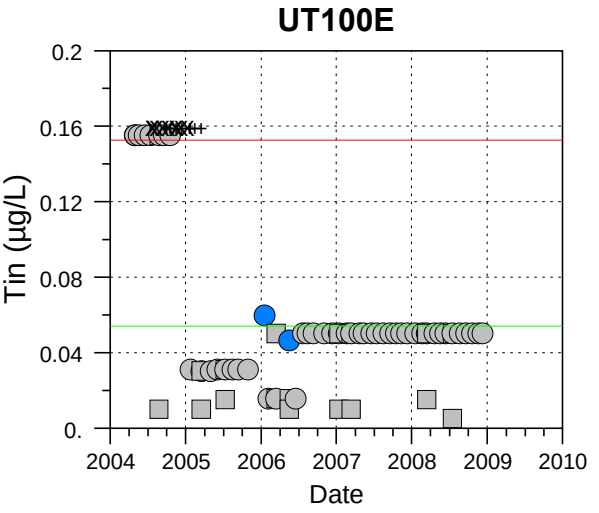
THE pebble PARTNERSHIP

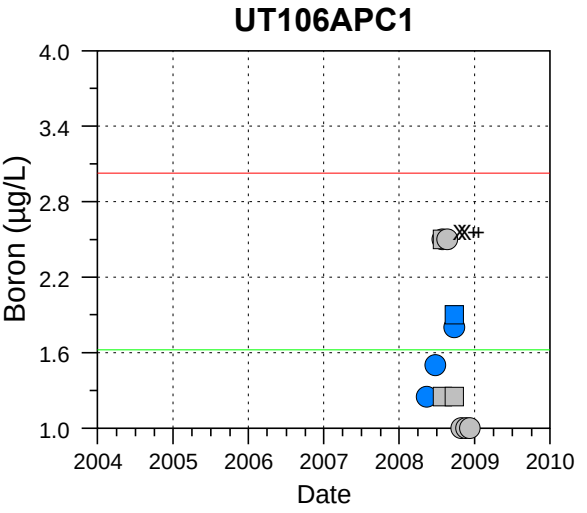
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

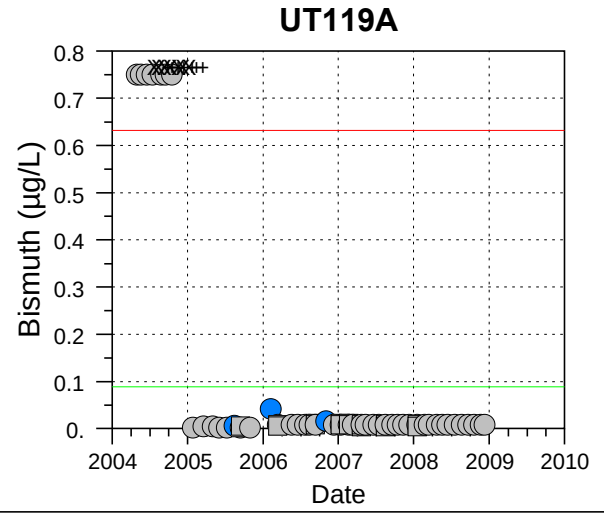
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

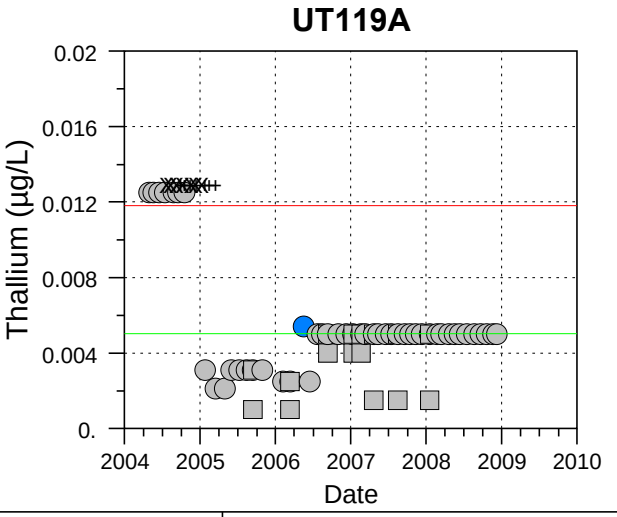












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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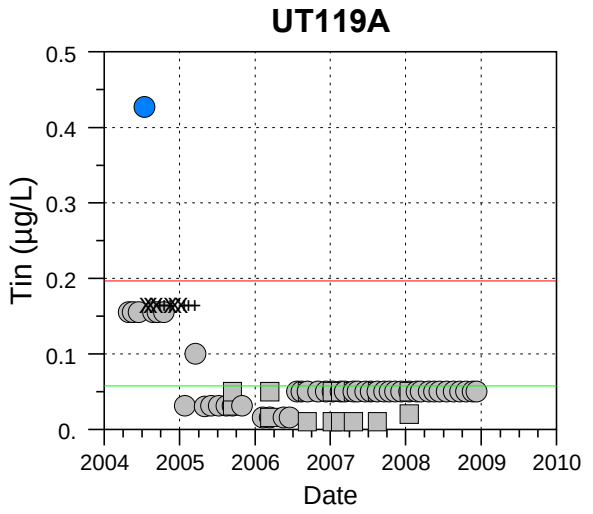
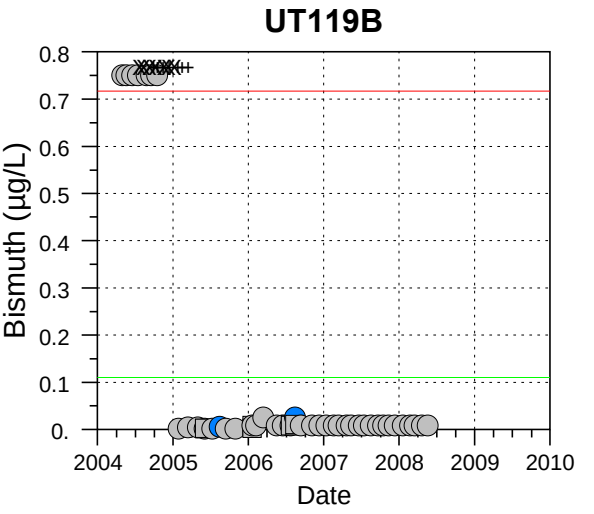
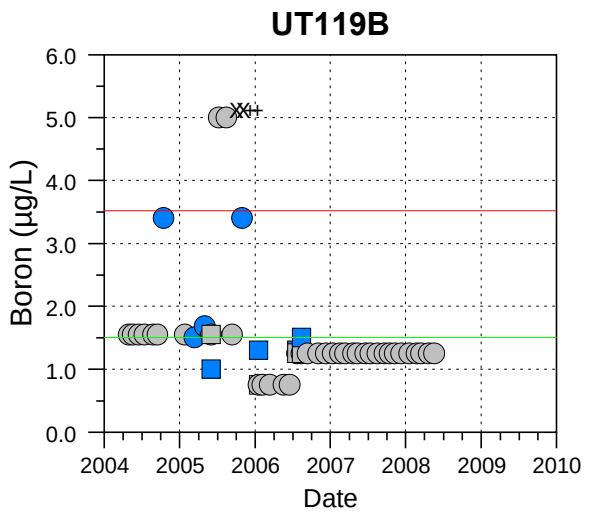
THE pebble PARTNERSHIP

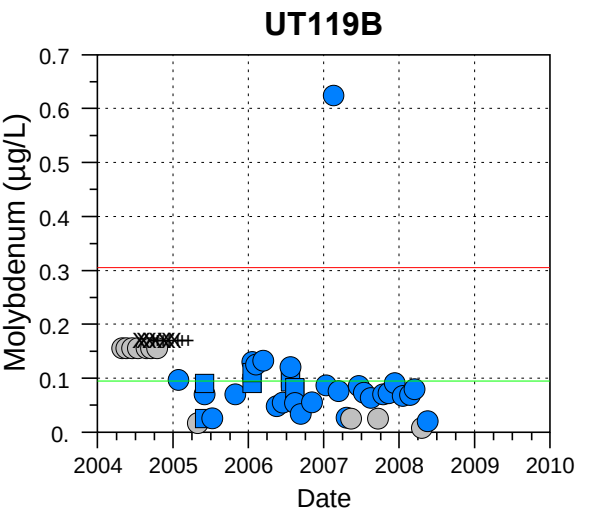
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

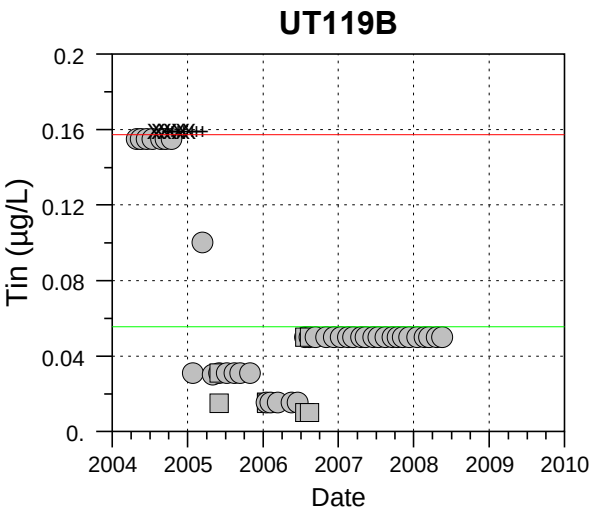
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

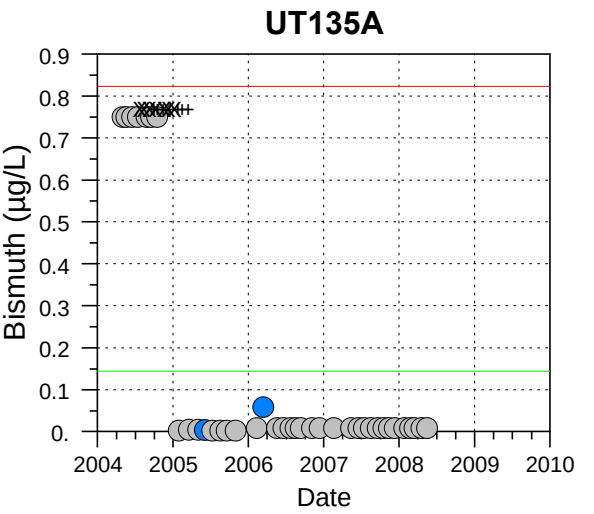












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

File: 7126	Date: Jul 07, 2011
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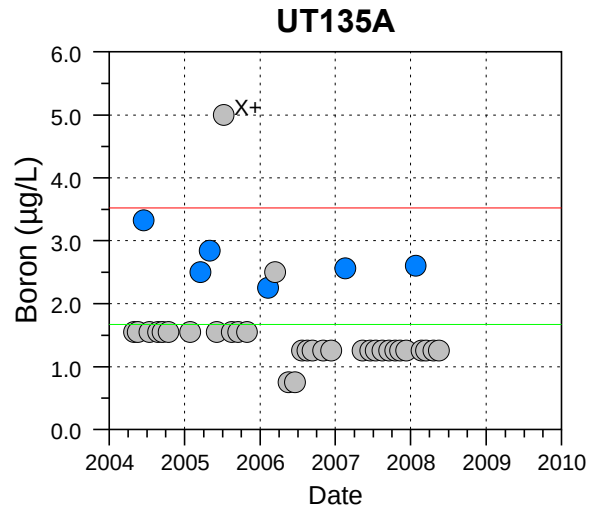

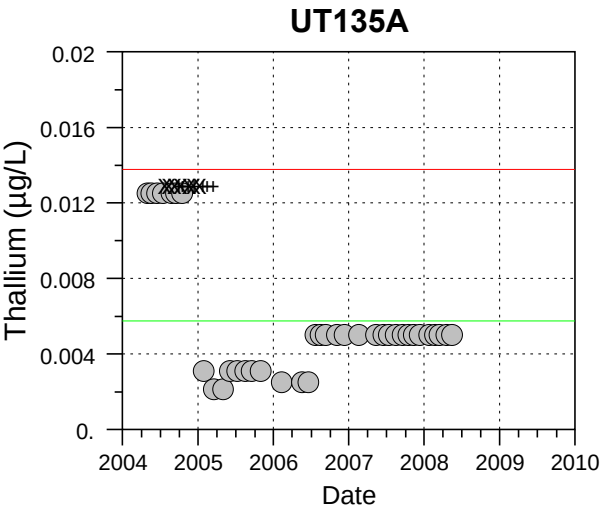

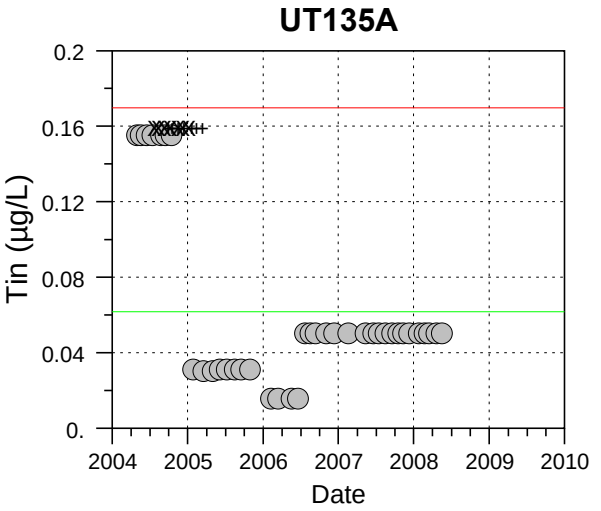

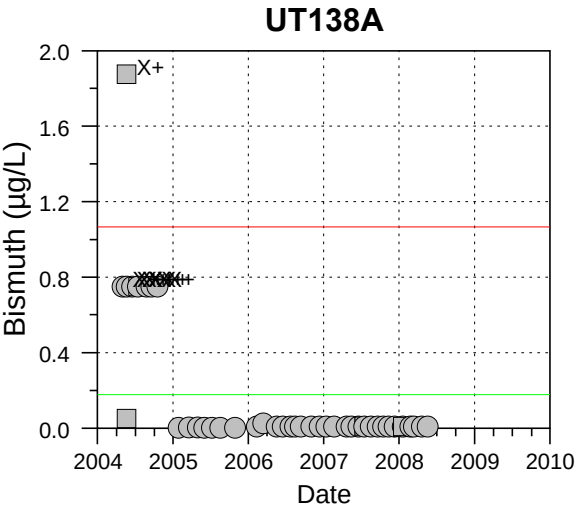

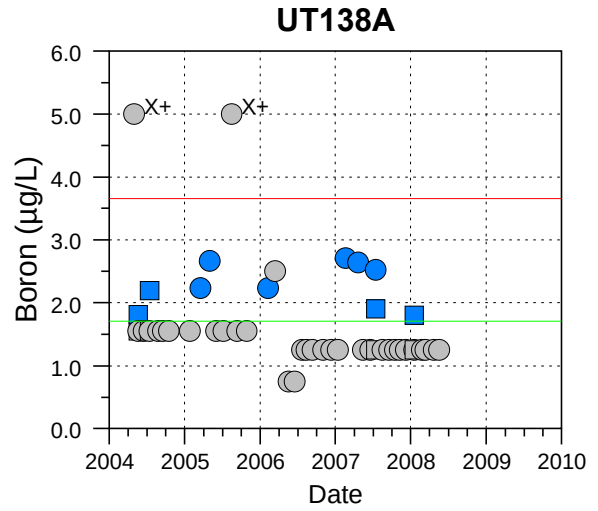

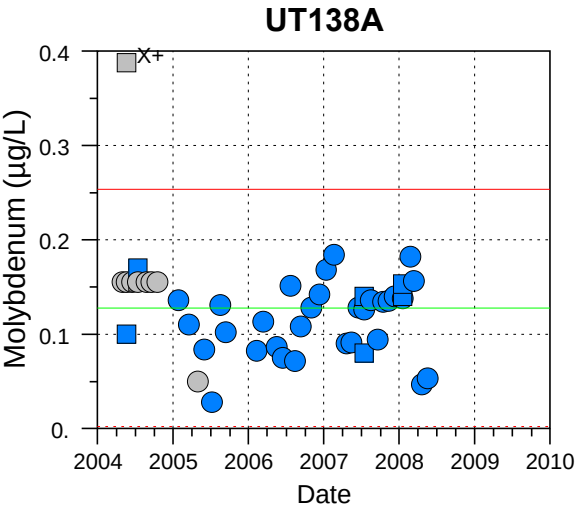

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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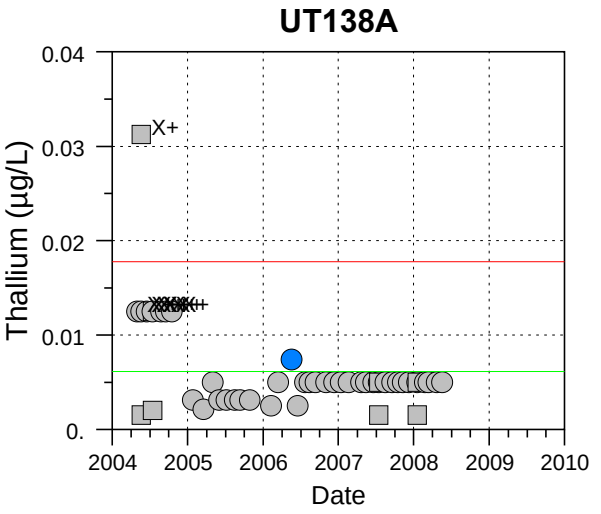
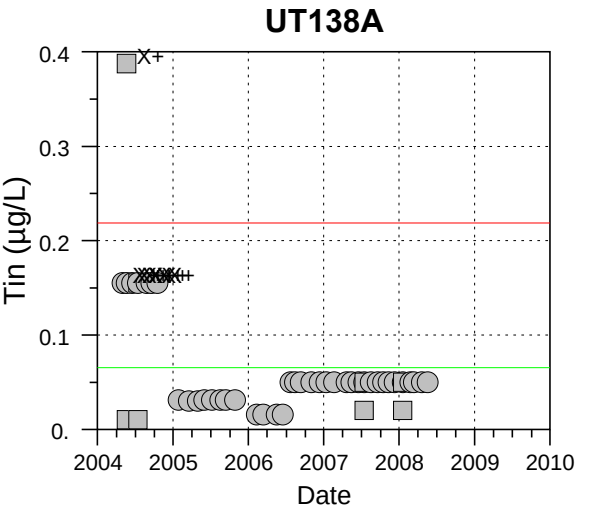
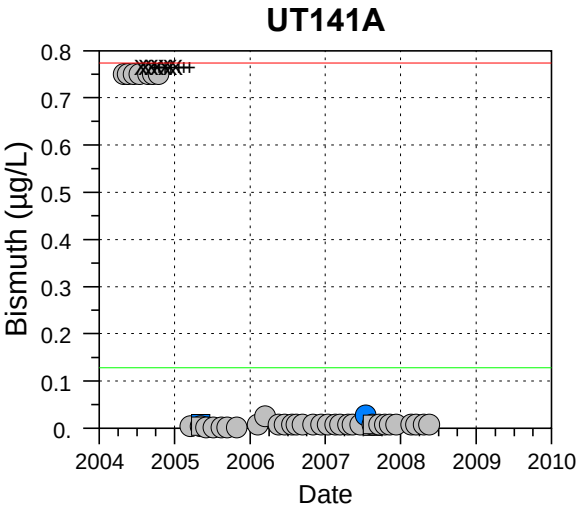
THE pebble PARTNERSHIP

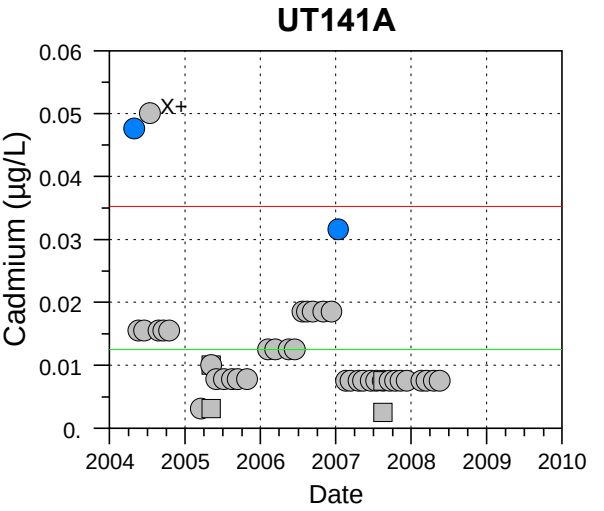
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

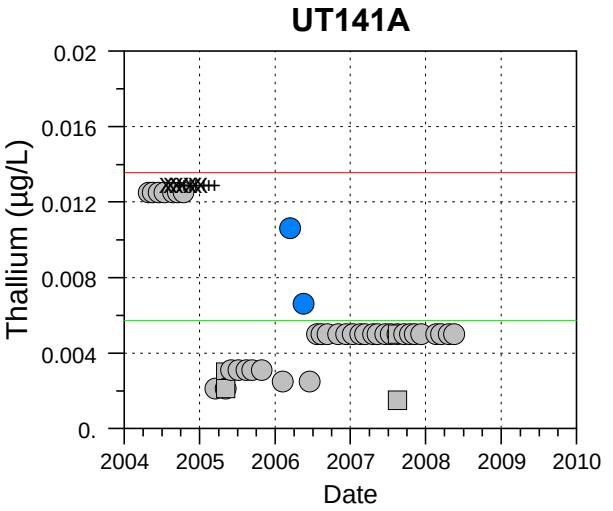
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

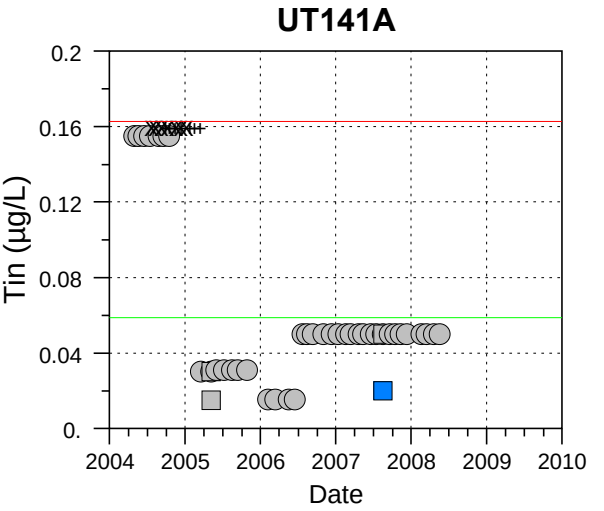












Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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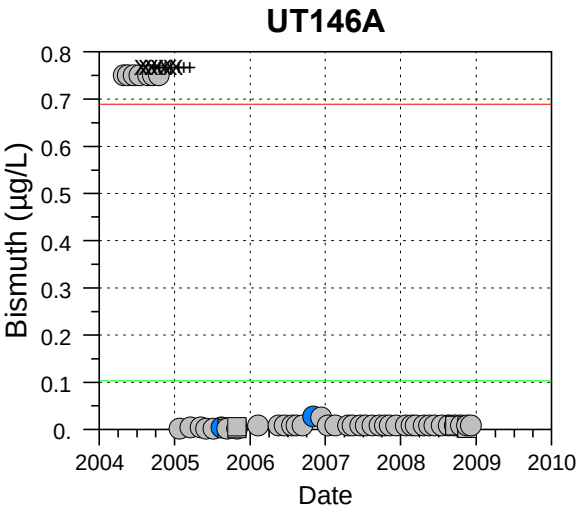
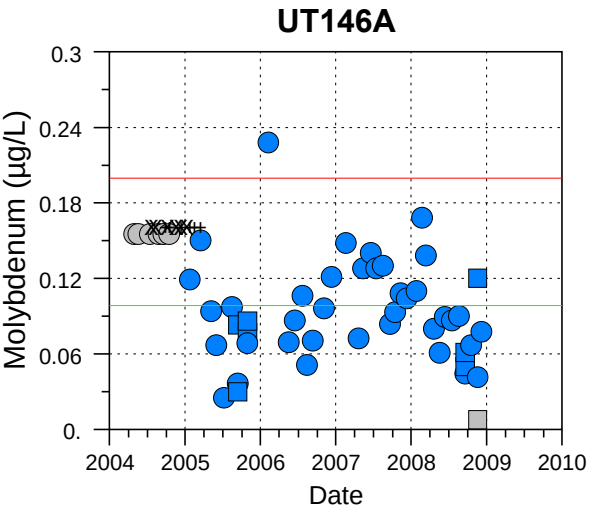
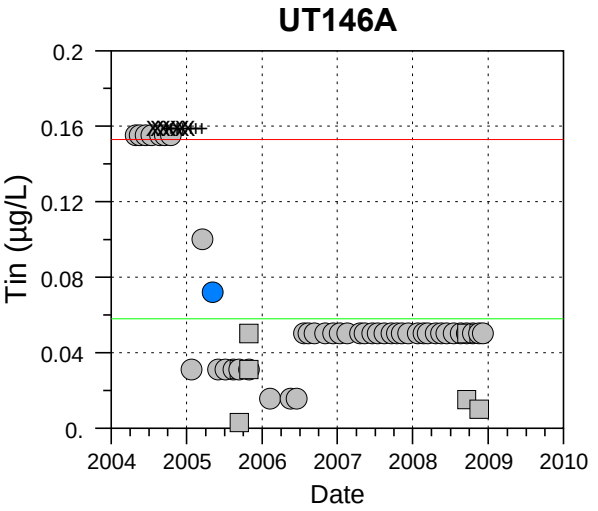
THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca







Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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3) ug/L = micrograms per liter

THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Dissolved Constituents

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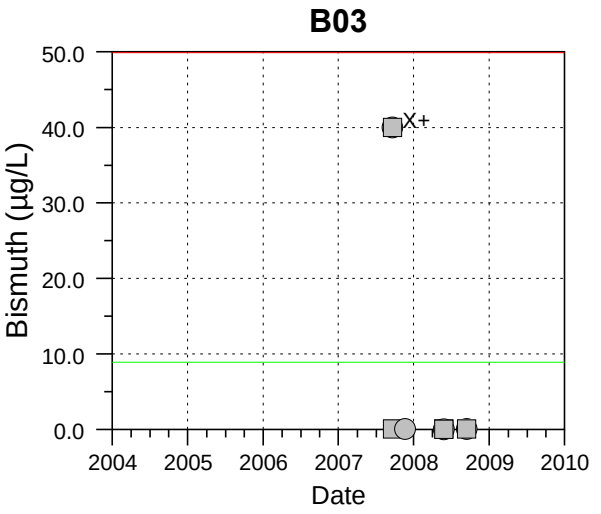

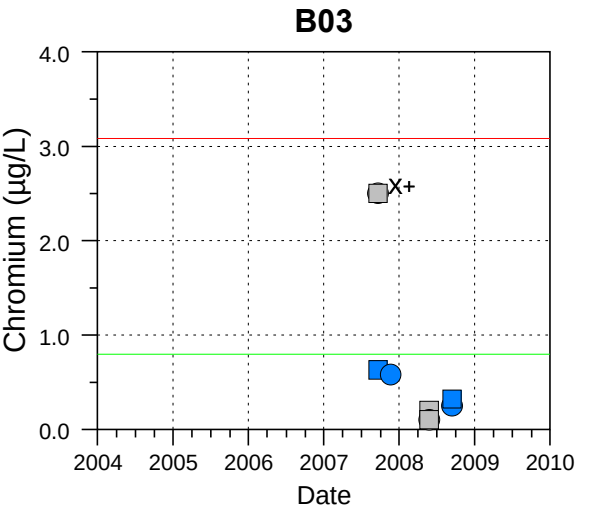

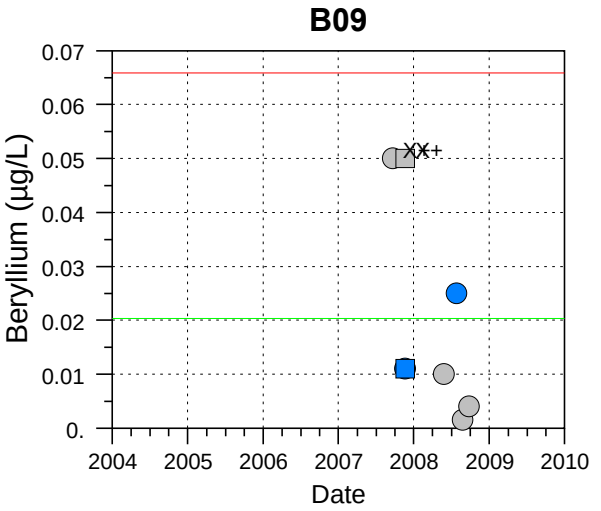

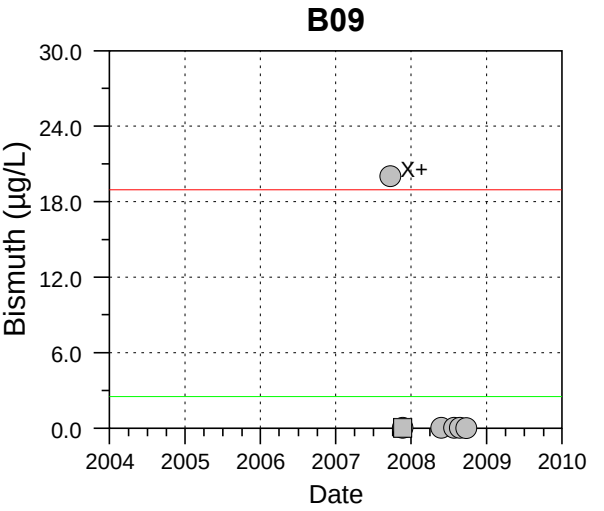

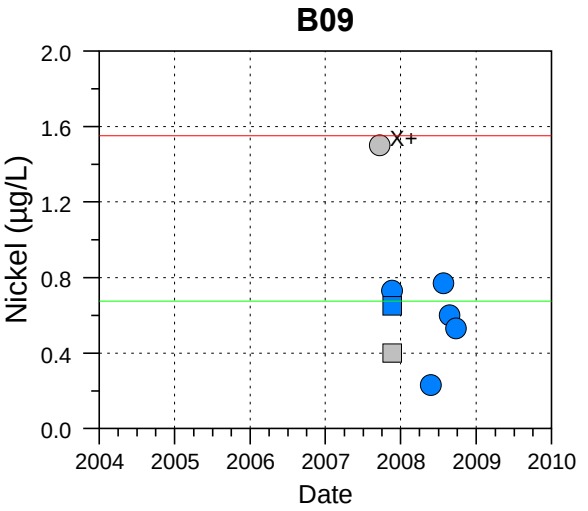

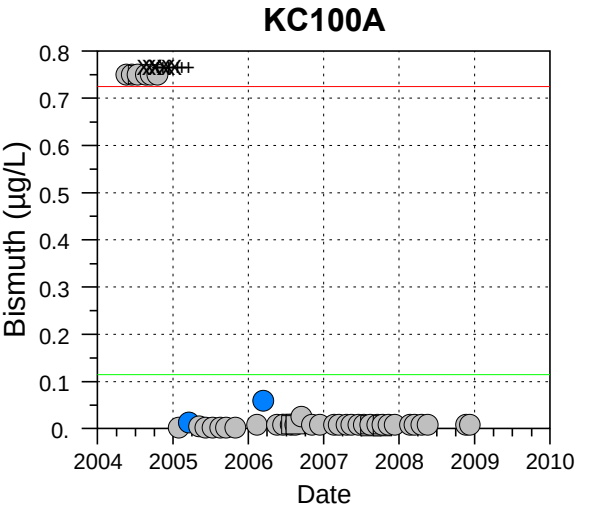

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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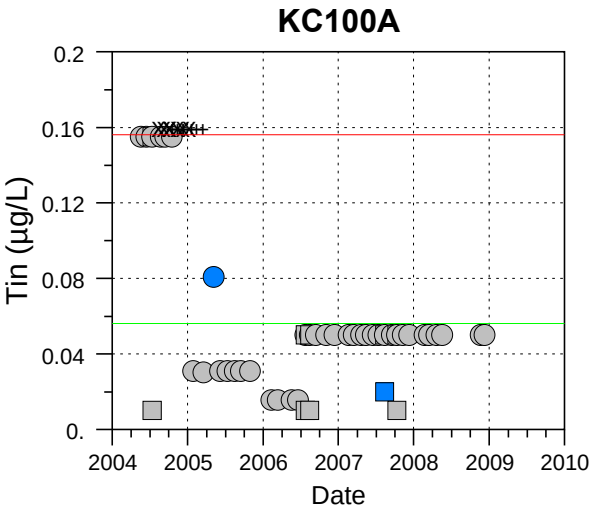
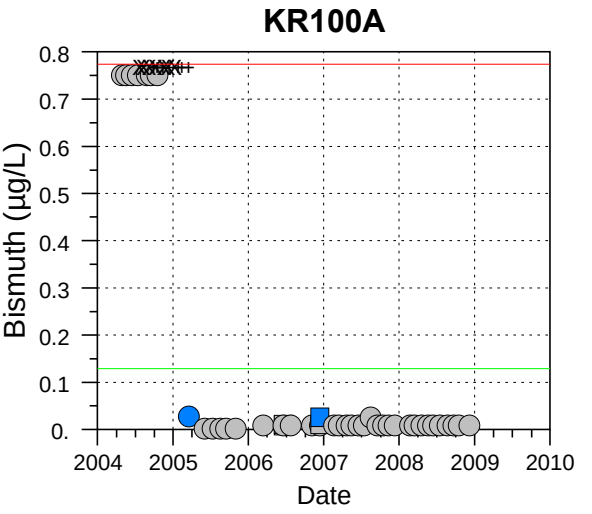
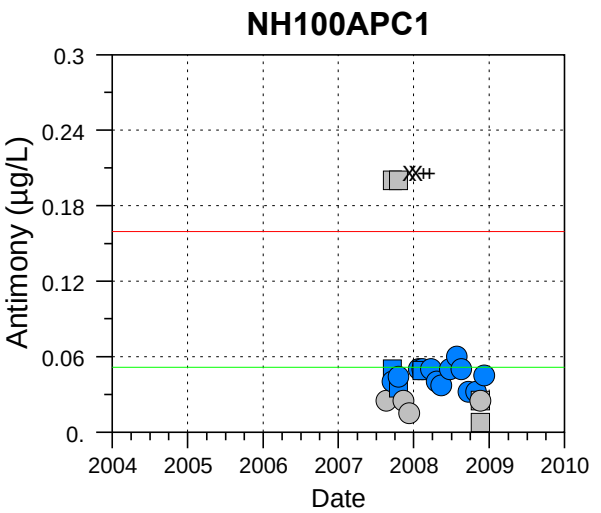
THE pebble PARTNERSHIP

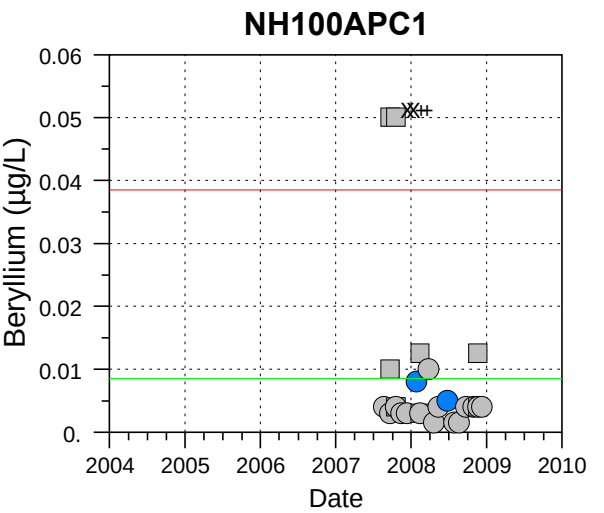
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

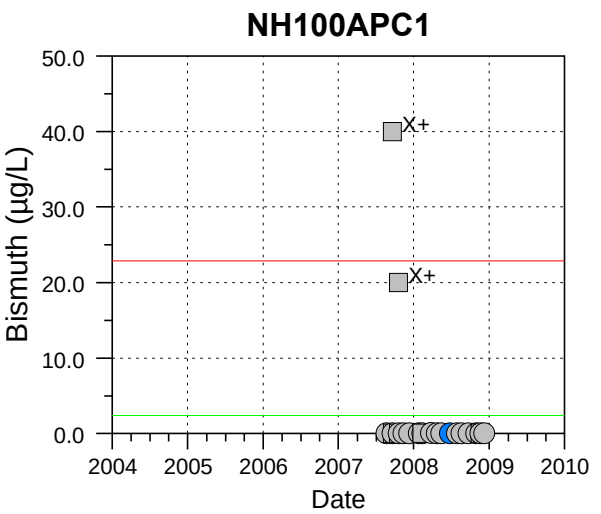
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

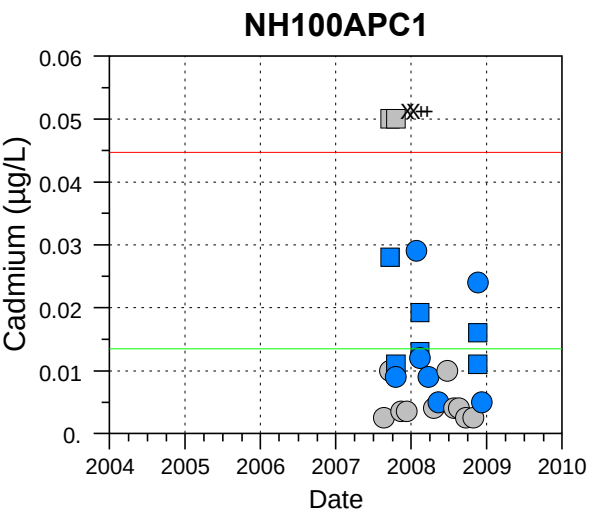












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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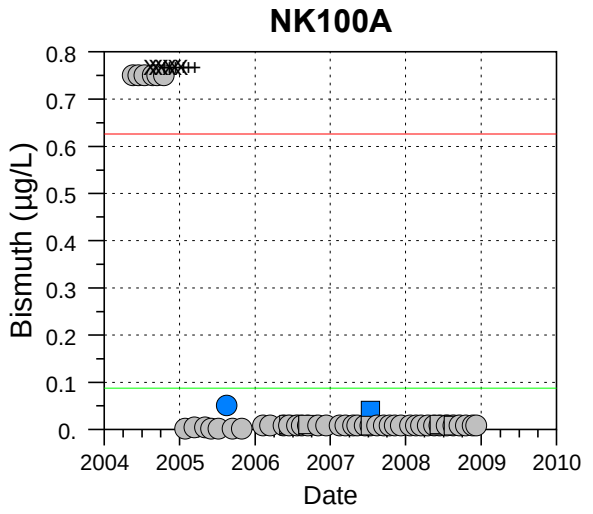
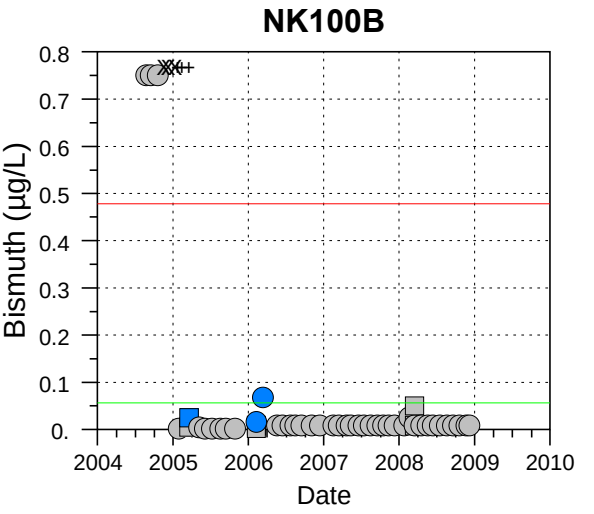
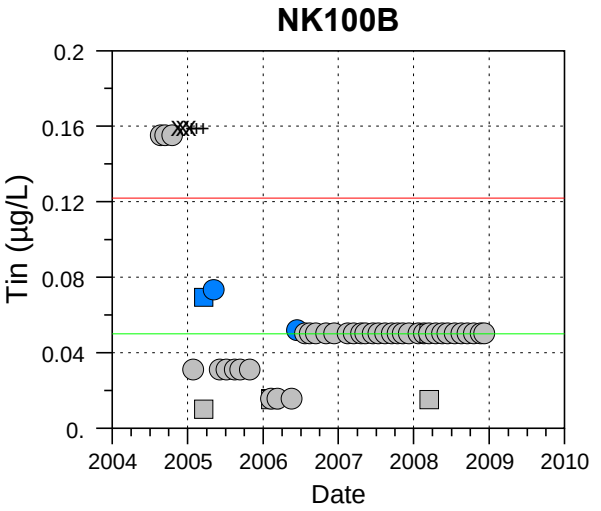
THE pebble PARTNERSHIP

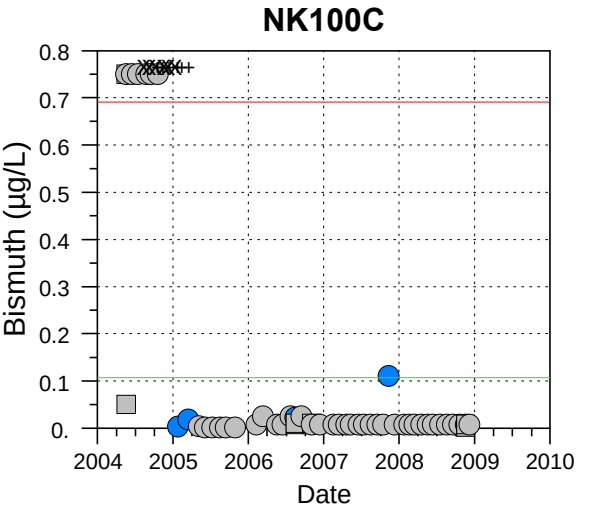
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

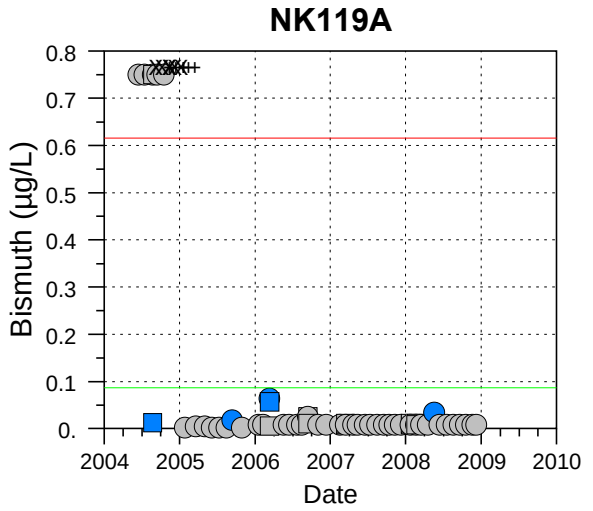
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

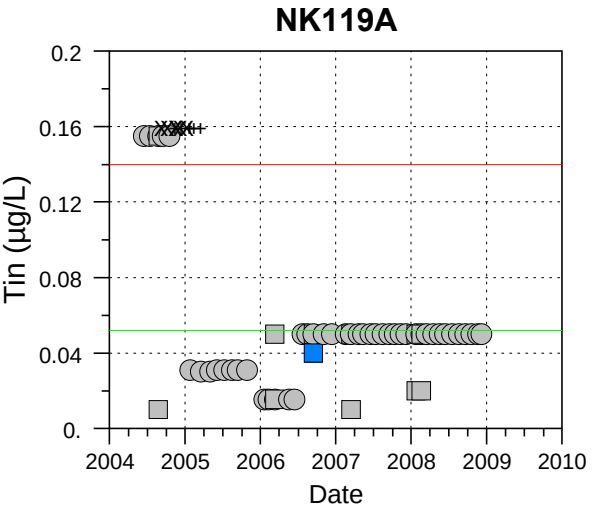












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

File: 7126	Date: Jul 07, 2011
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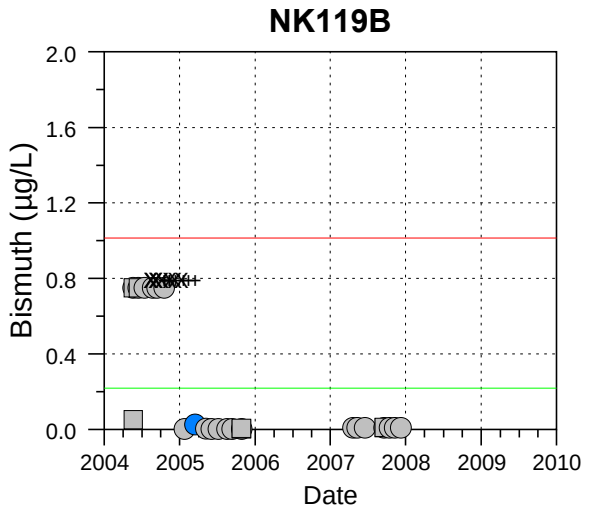

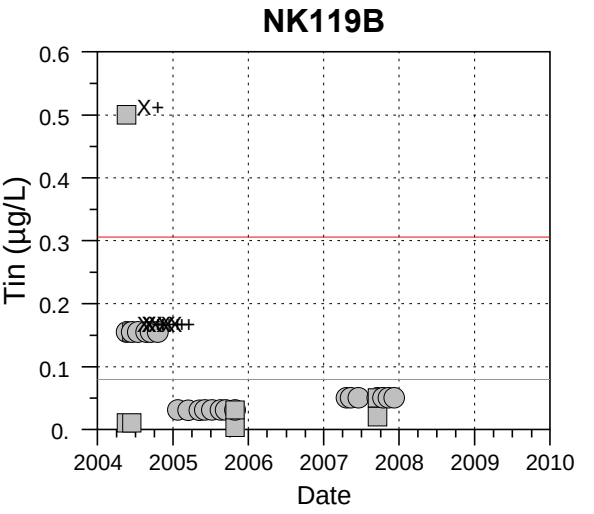

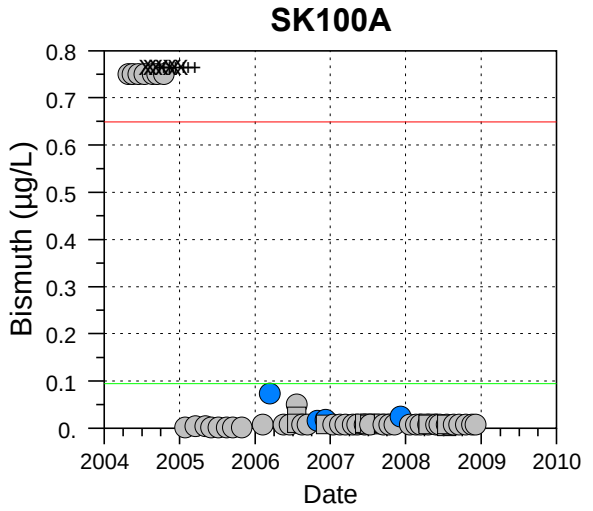

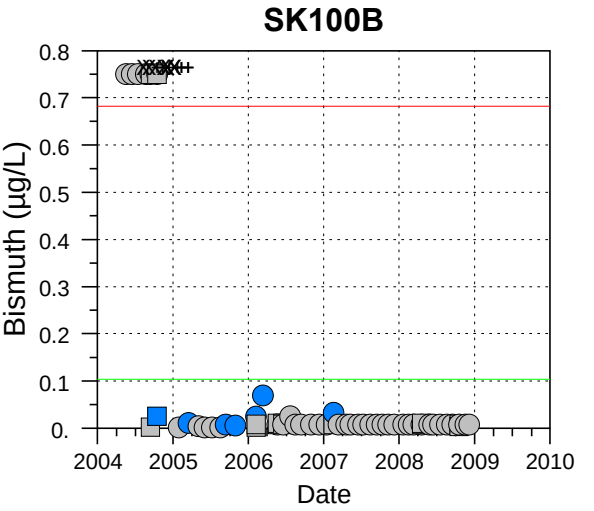

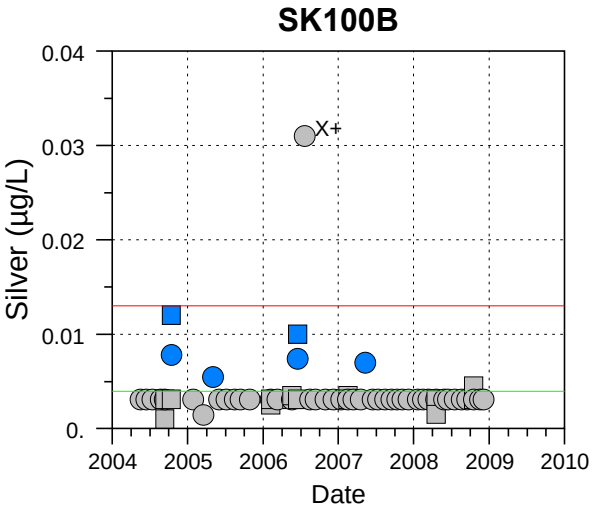

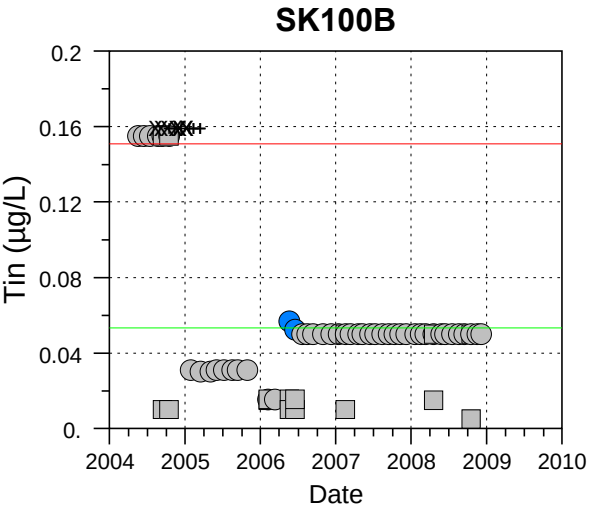

Legend

- Analytical Result
- Quality Control Sample Result
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- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

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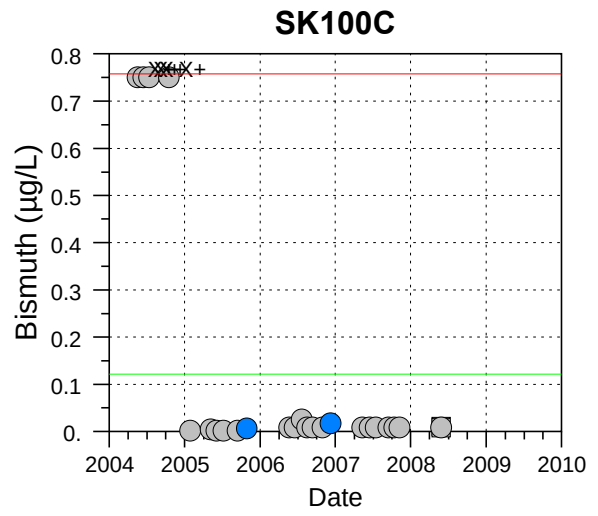

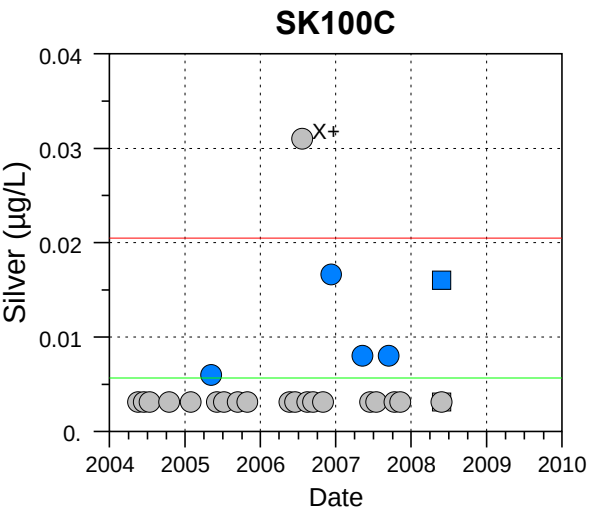

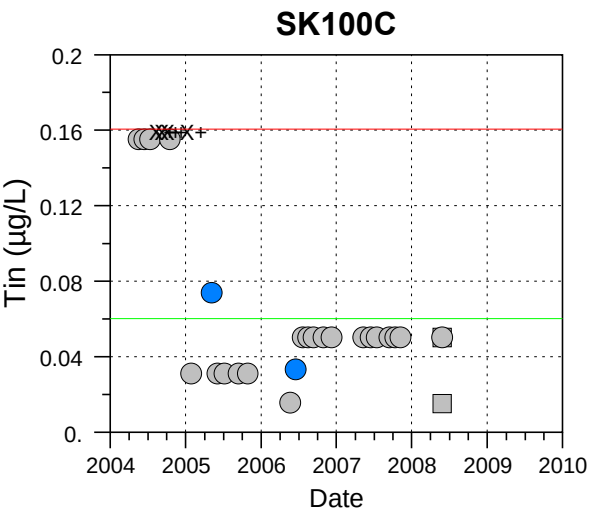

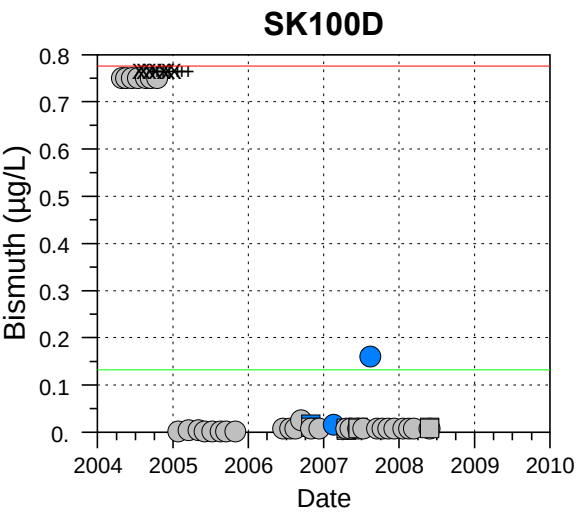

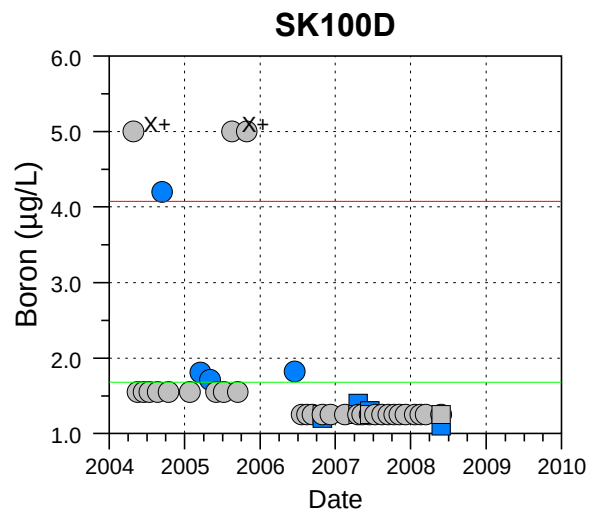

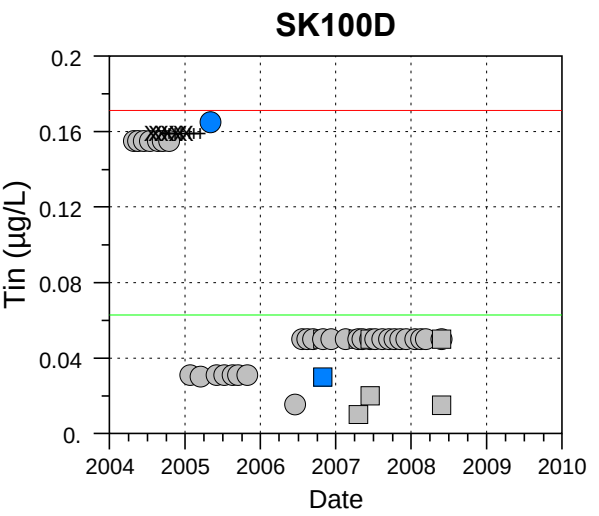

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

File: 7126	Date: Jul 07, 2011
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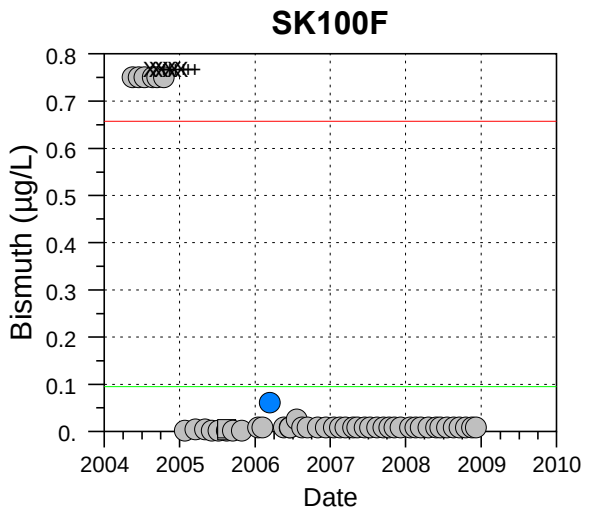

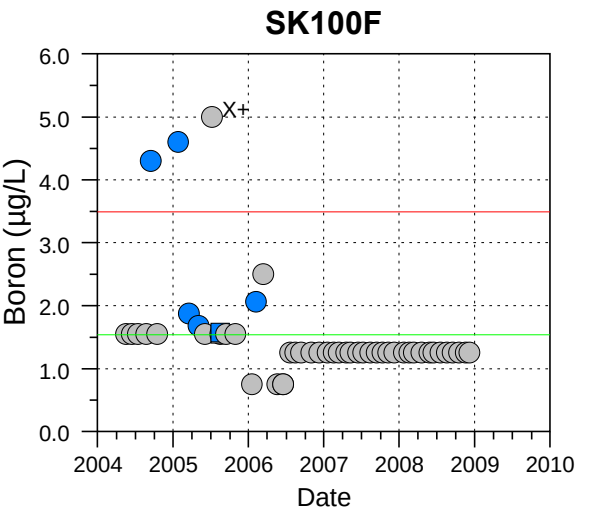

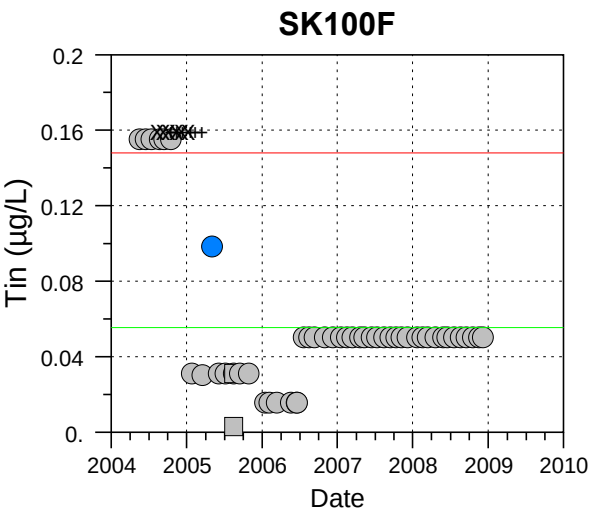

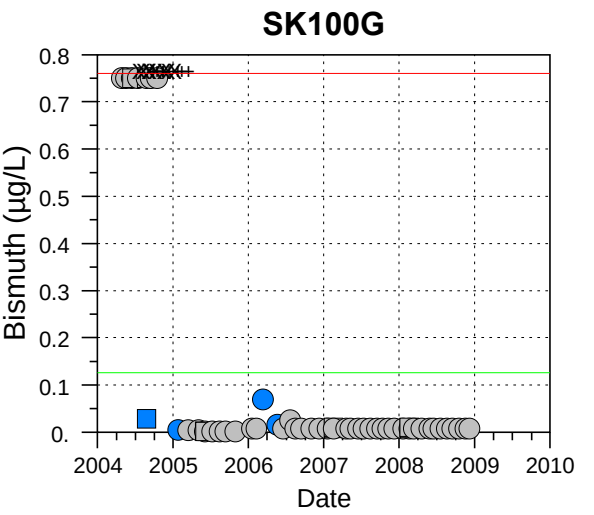

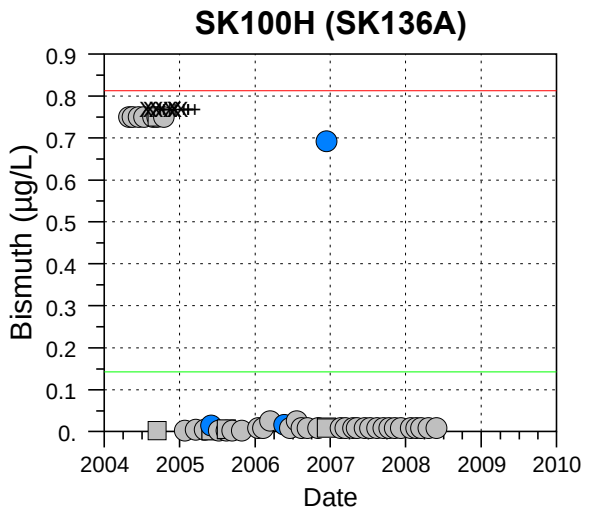

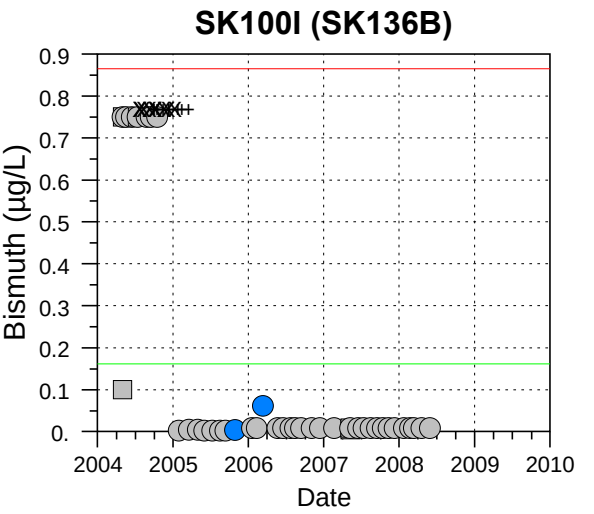

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

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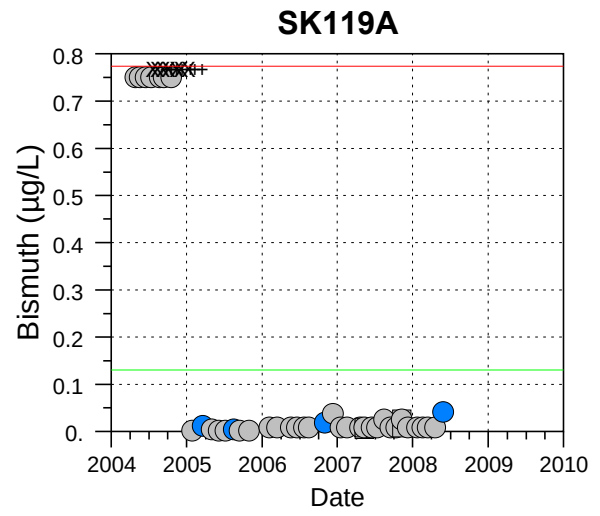

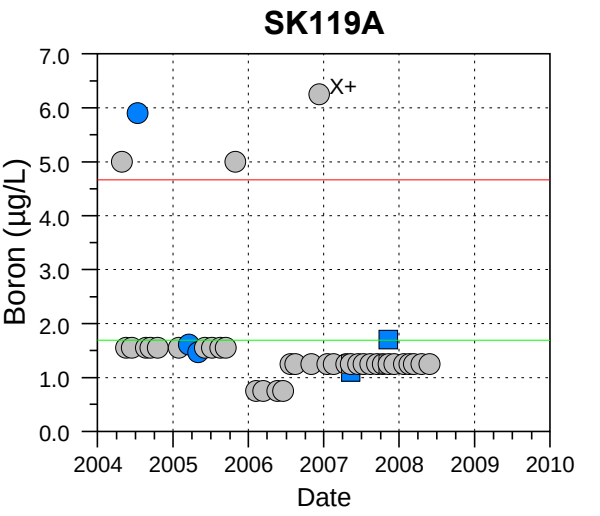

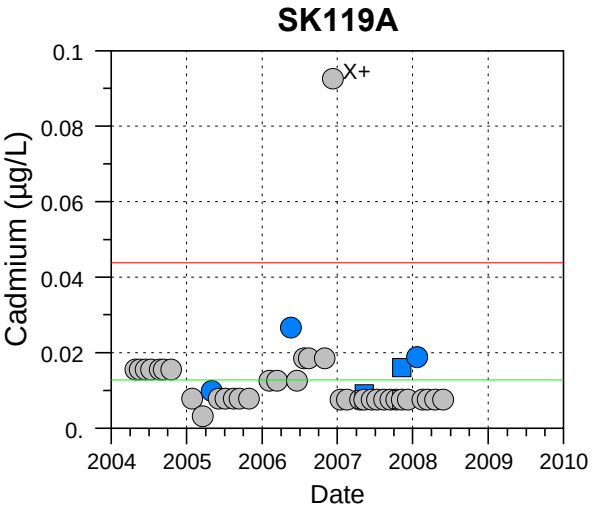

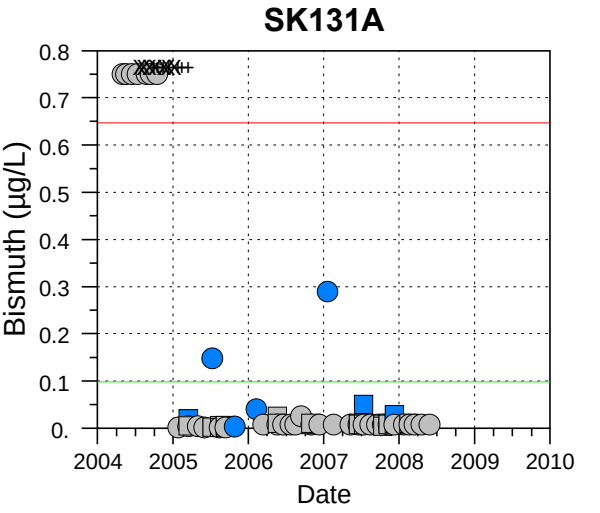

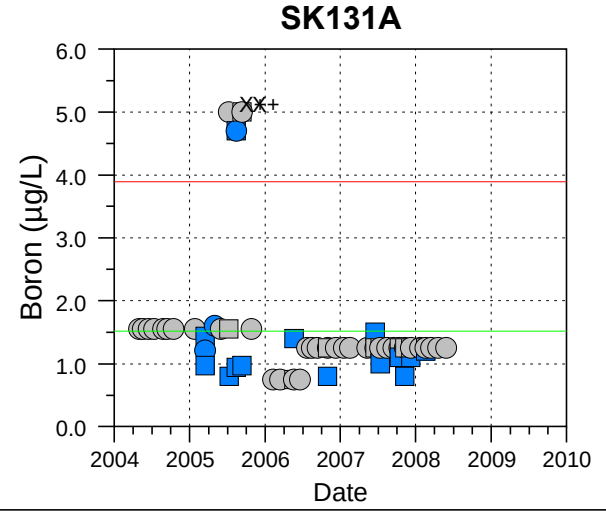

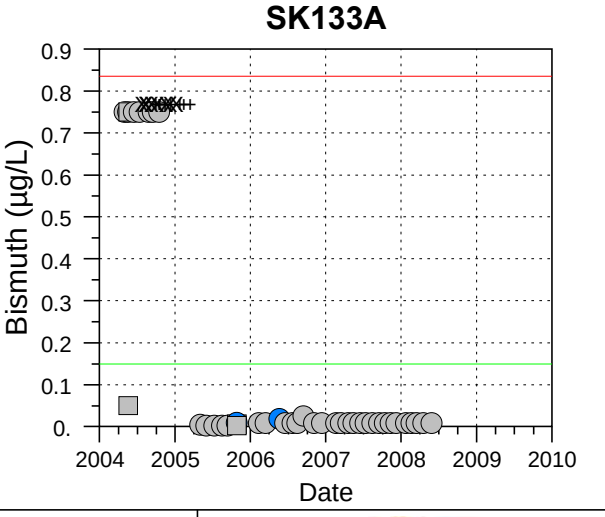

Legend

- Analytical Result
- Quality Control Sample Result
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- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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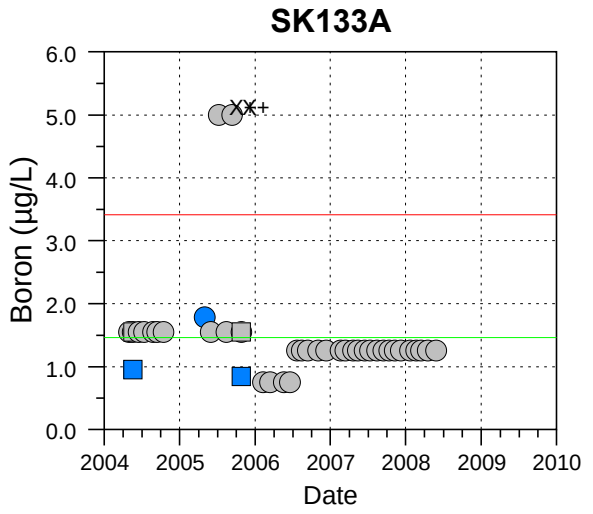
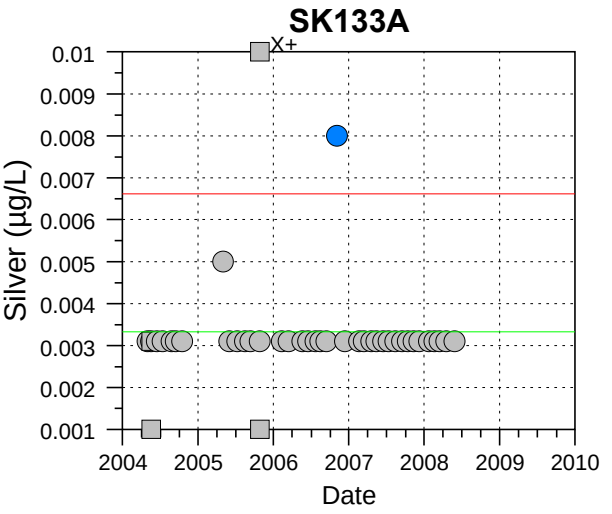
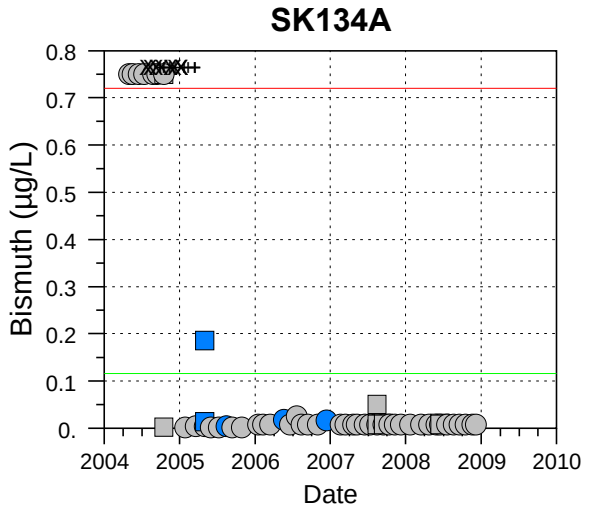
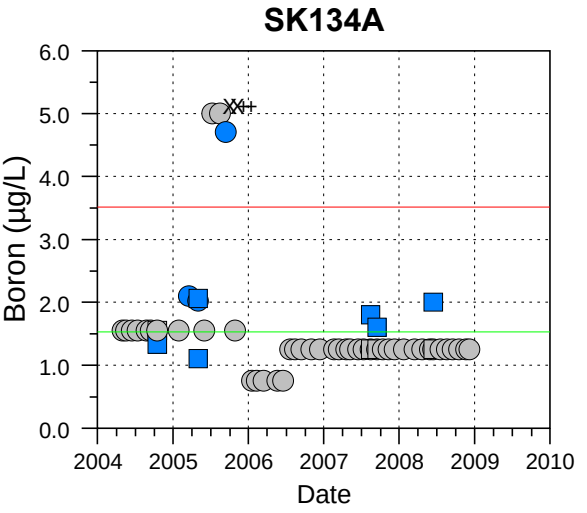
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

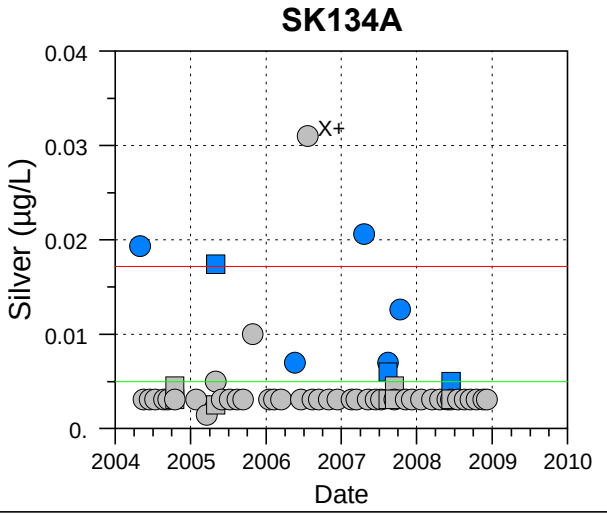
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

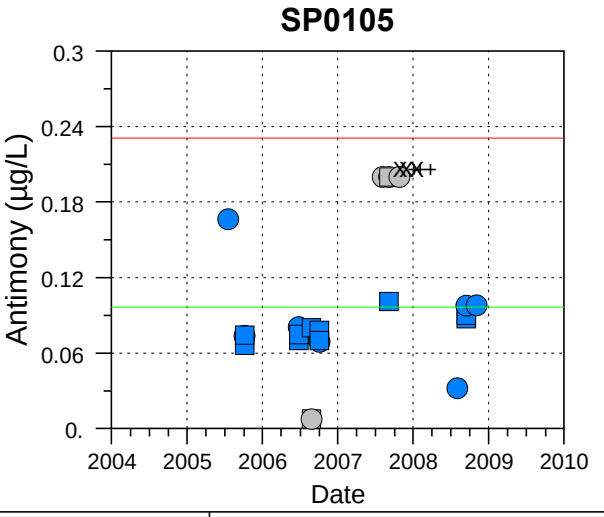












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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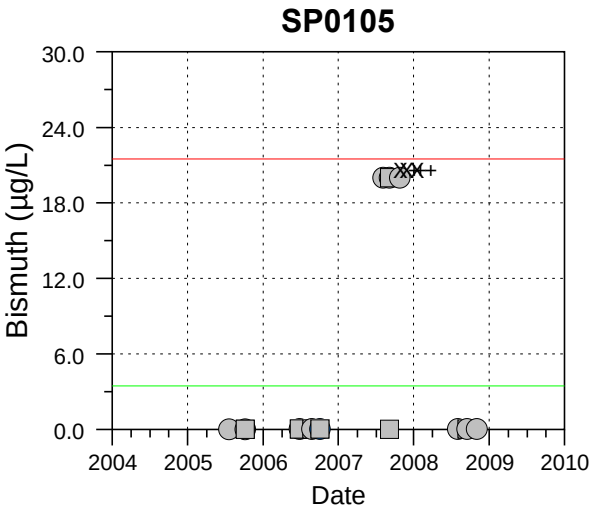
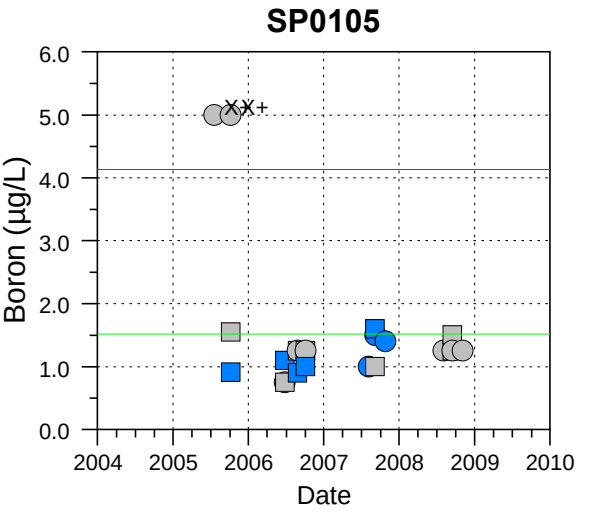
3) ug/L = micrograms per liter

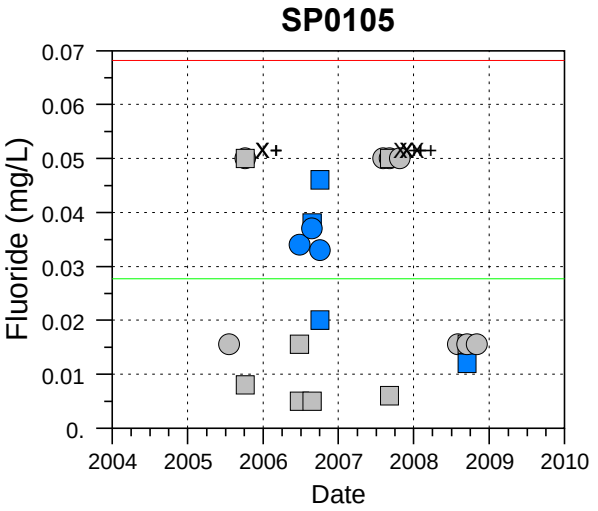
THE pebble PARTNERSHIP

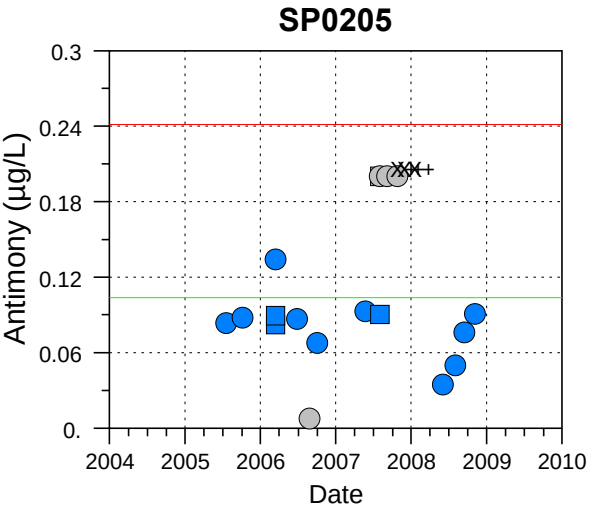
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

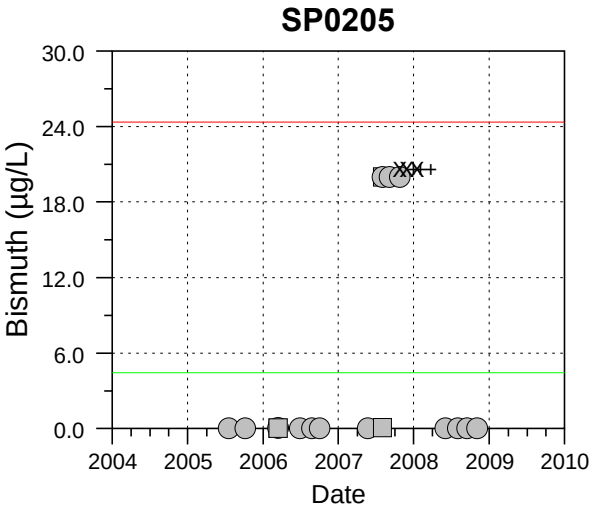
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

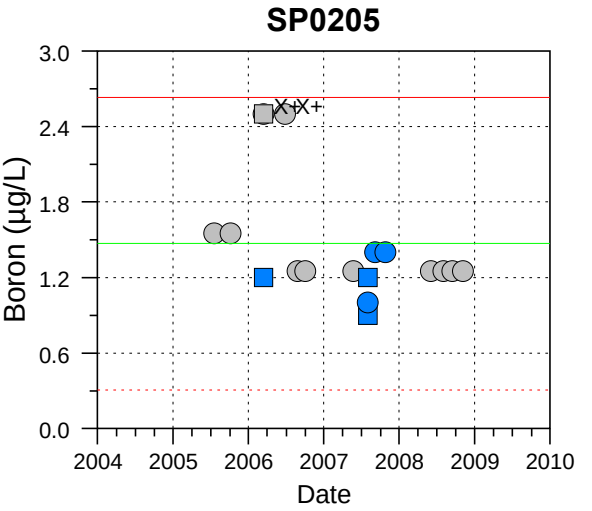












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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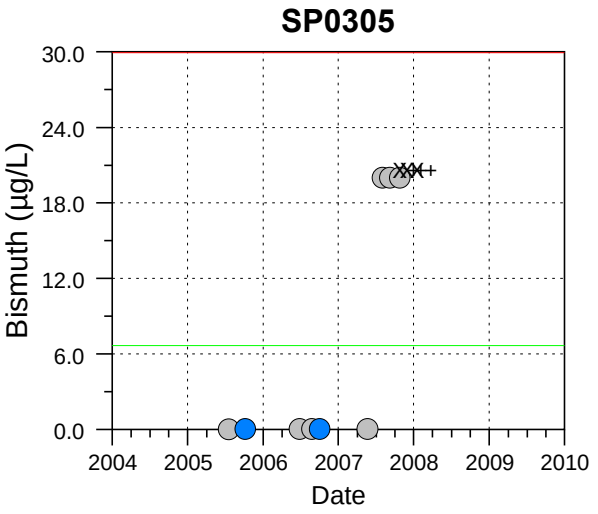
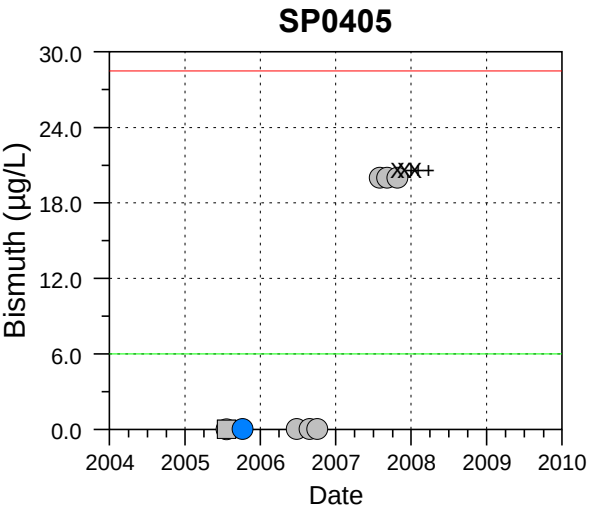
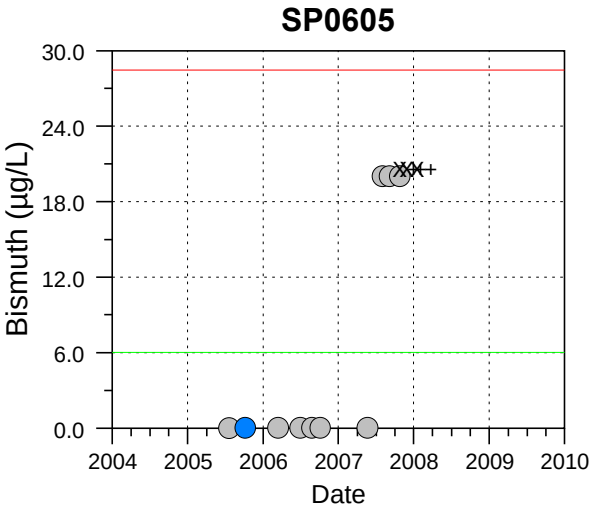
THE pebble PARTNERSHIP

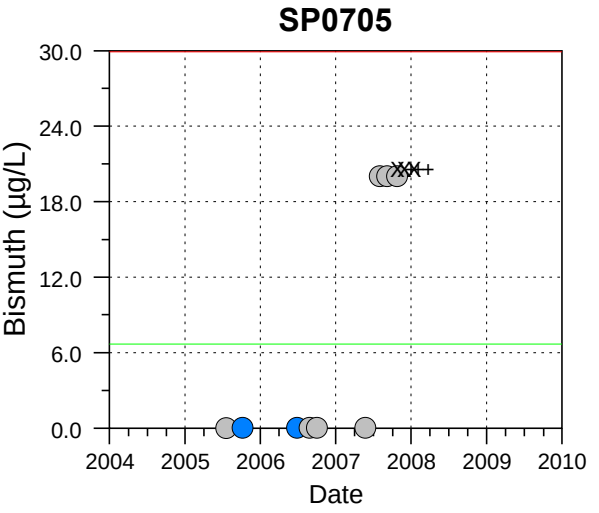
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

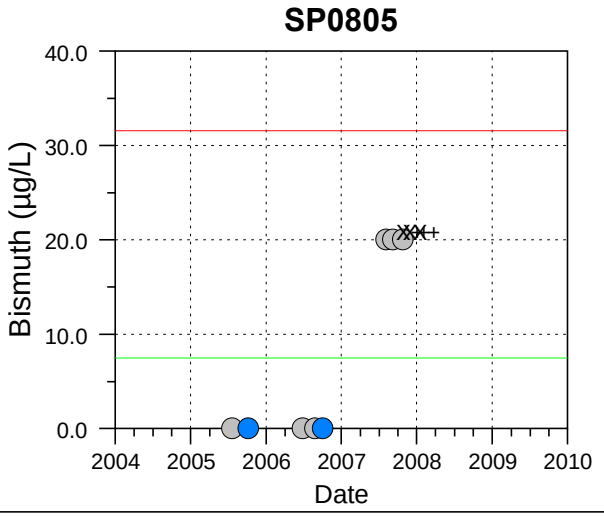
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

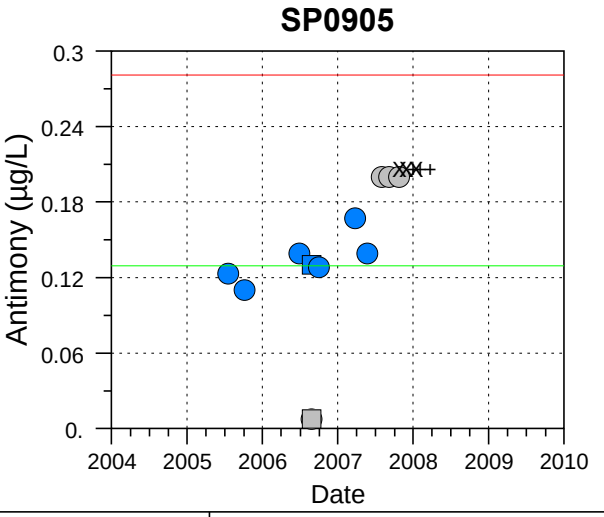












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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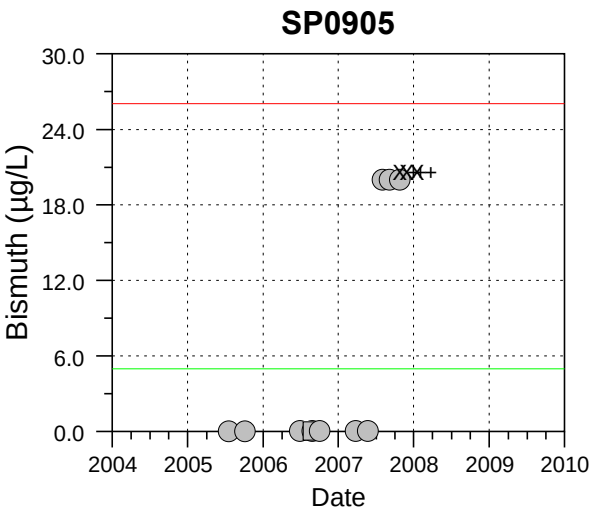
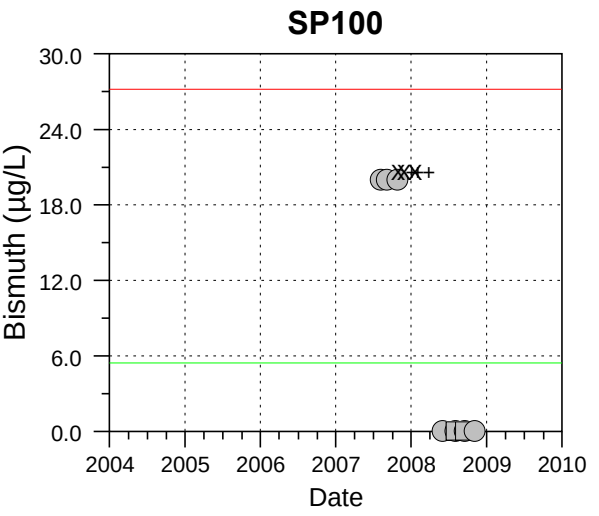
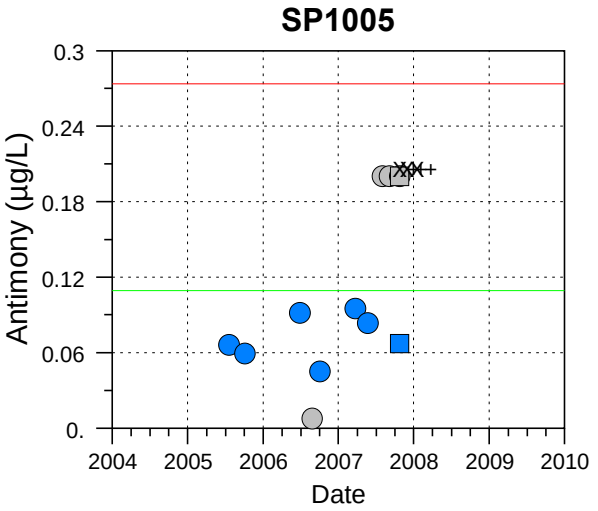
THE pebble PARTNERSHIP

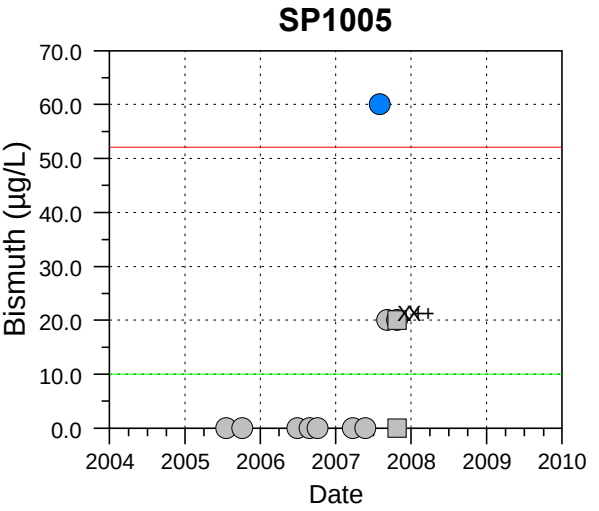
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

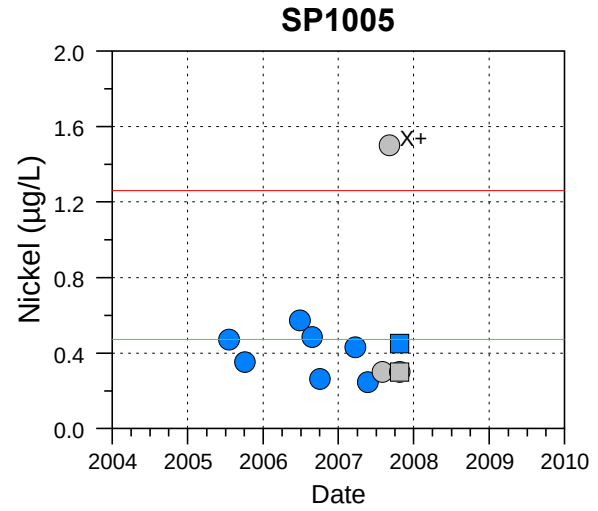
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

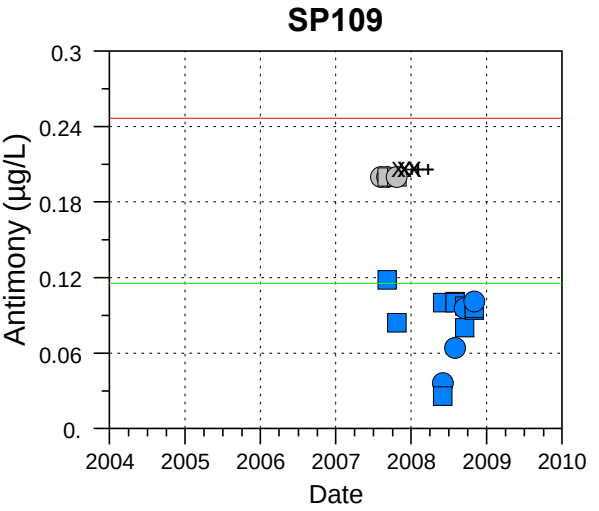












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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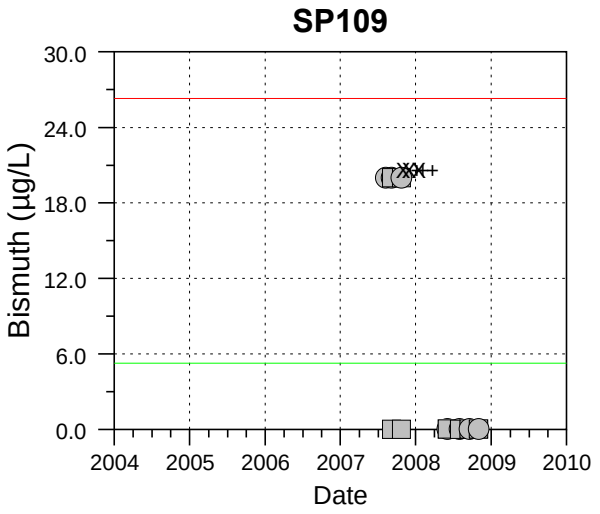
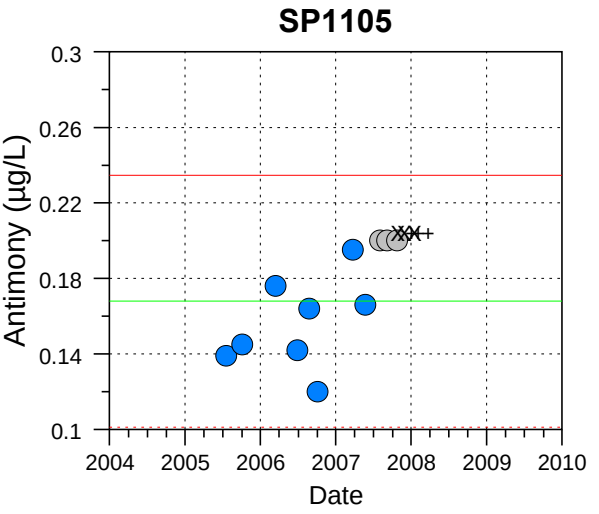
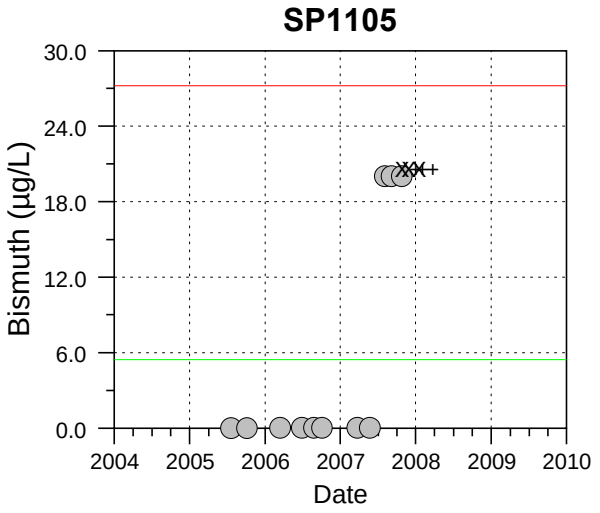
THE pebble PARTNERSHIP

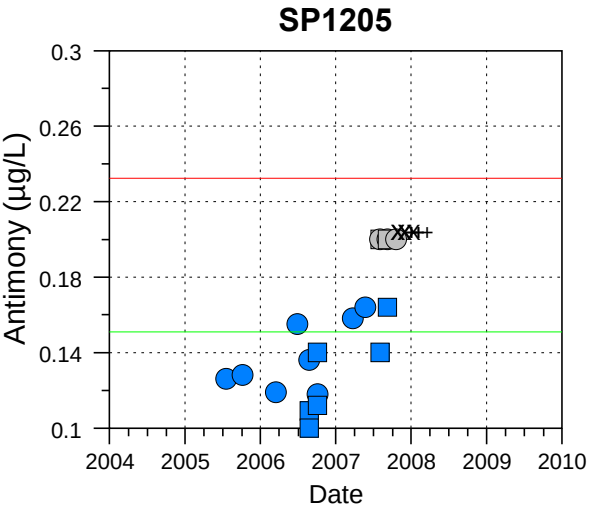
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

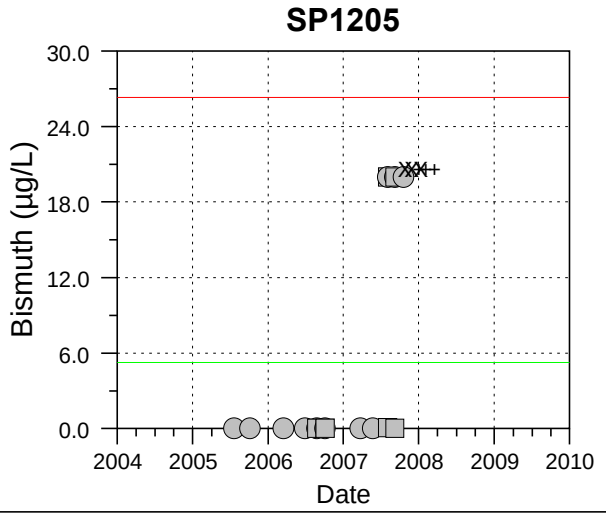
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

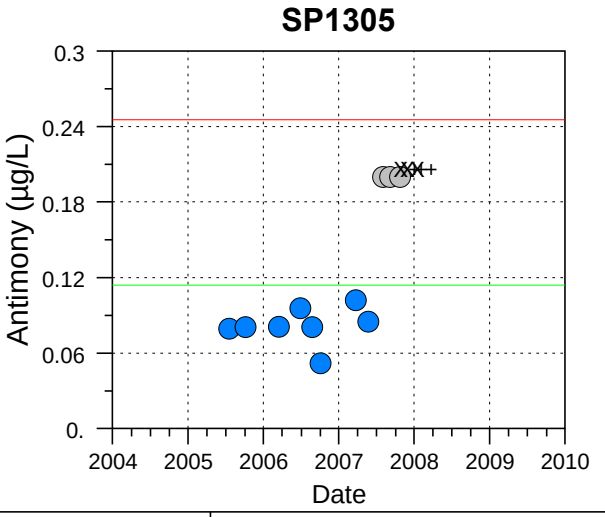












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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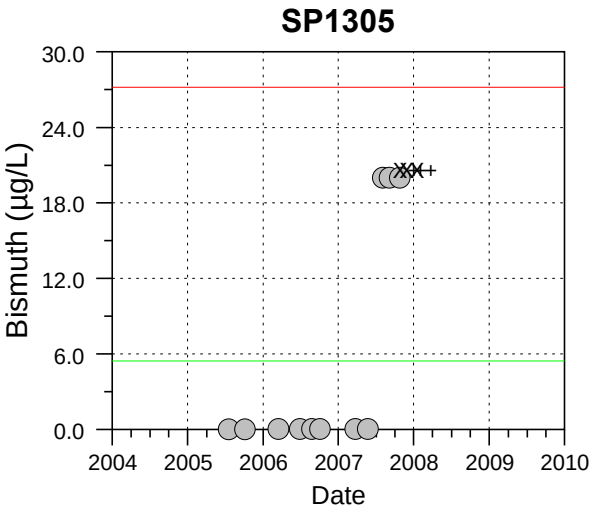
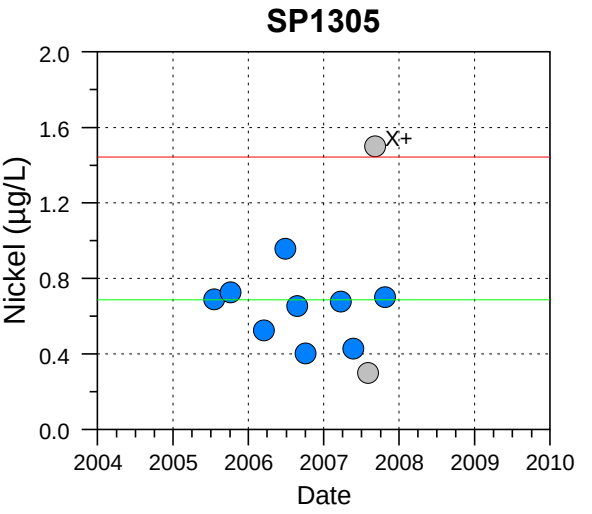
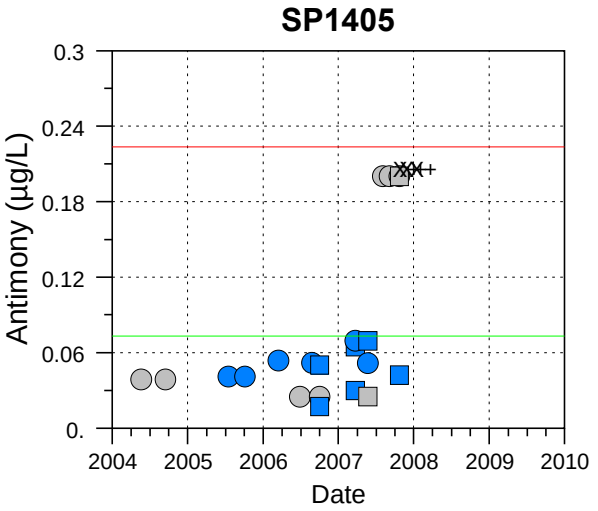
THE pebble PARTNERSHIP

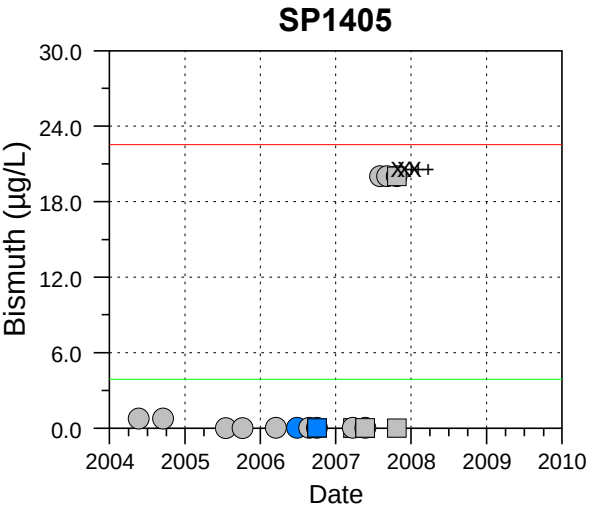
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

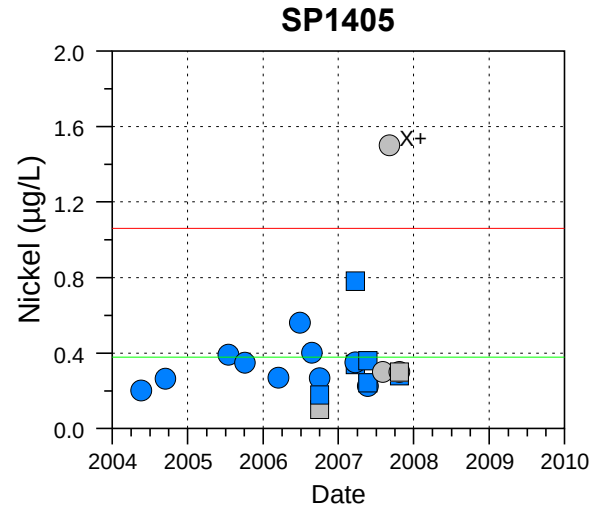
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

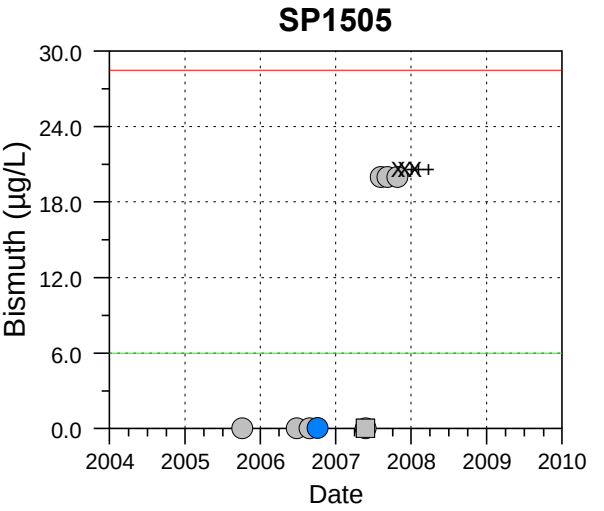












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

File: 7126	Date: Jul 07, 2011
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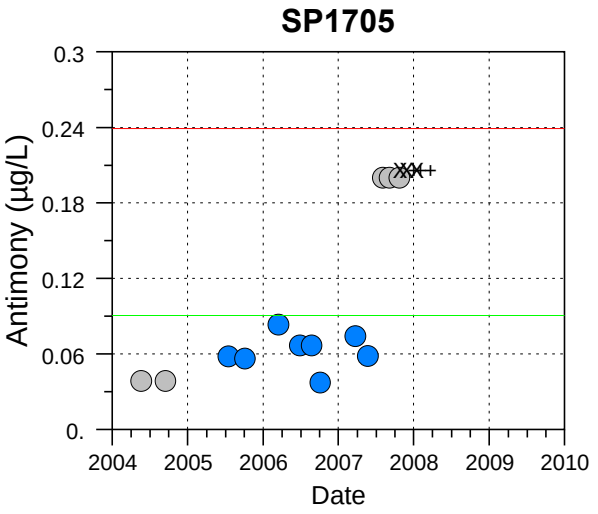

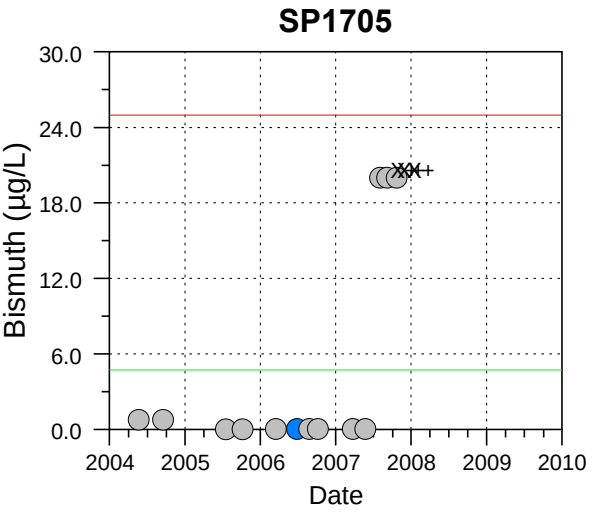

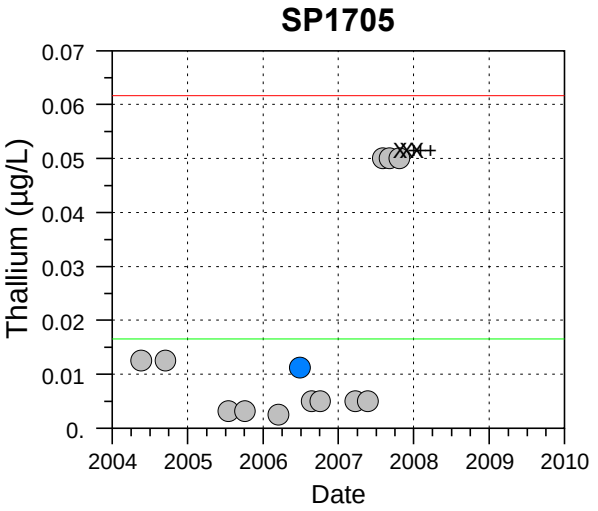

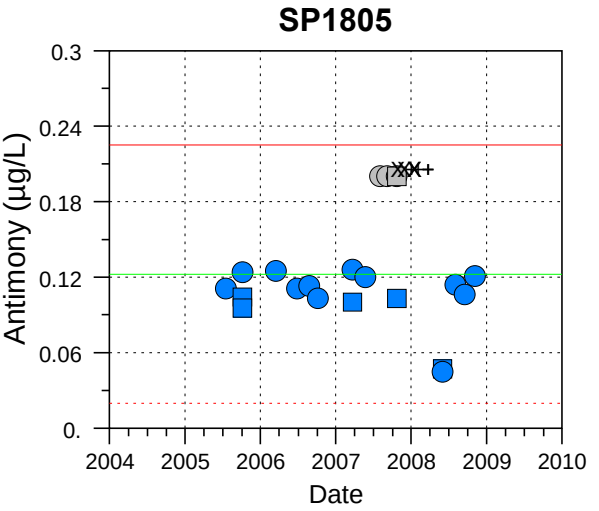

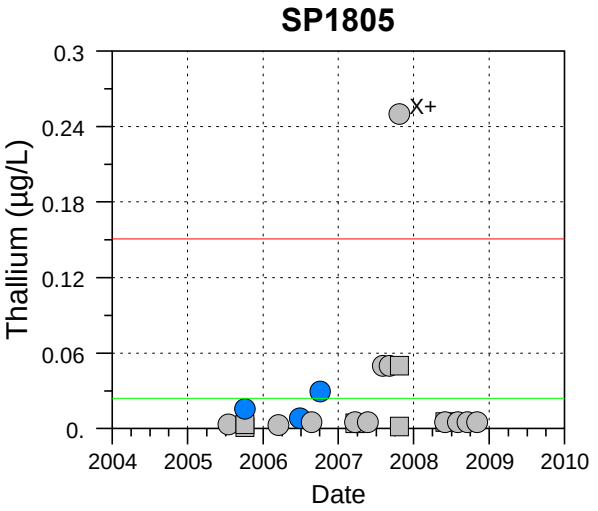

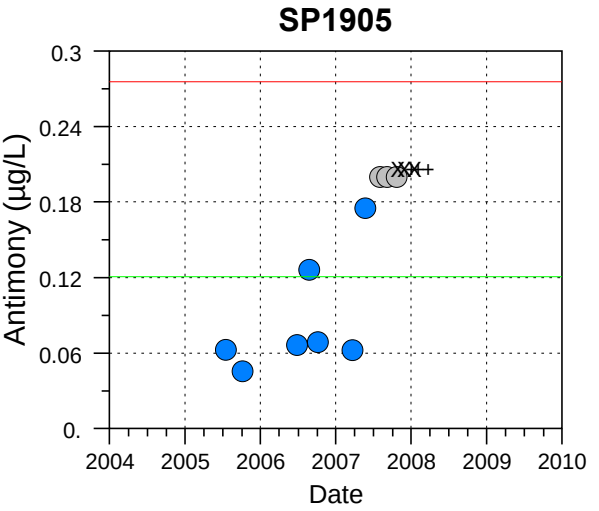

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

File: 7126	Date: Jul 07, 2011
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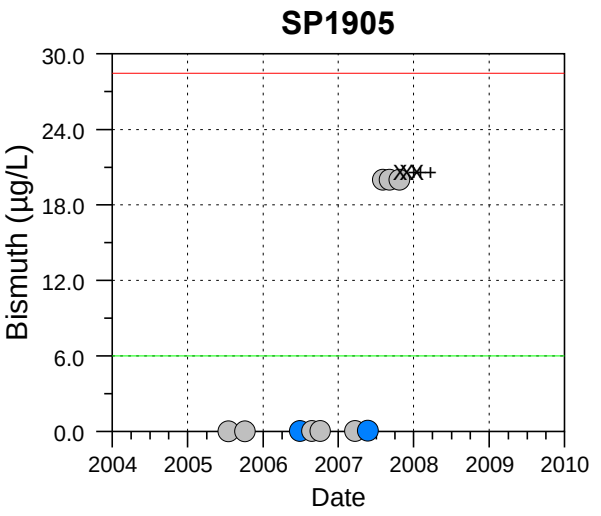

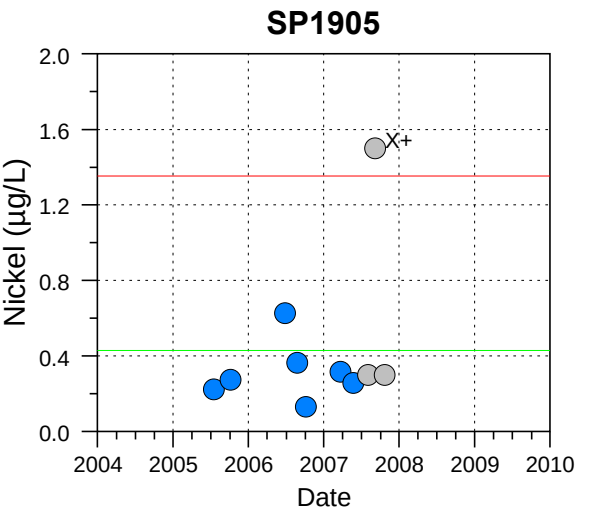

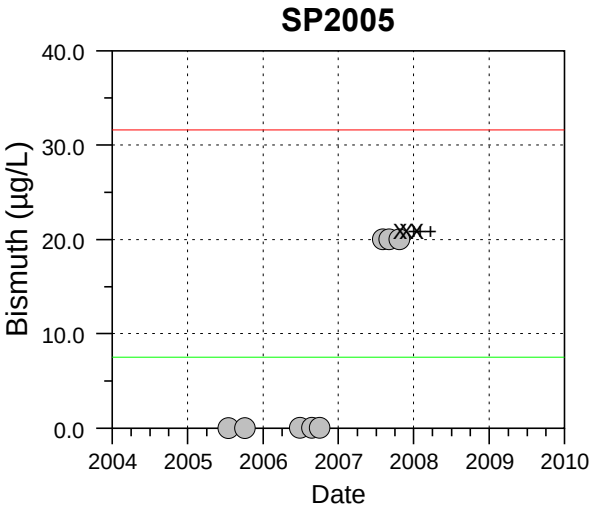

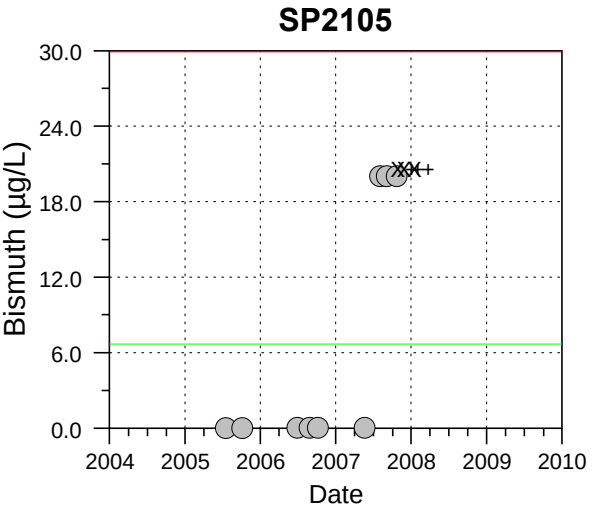

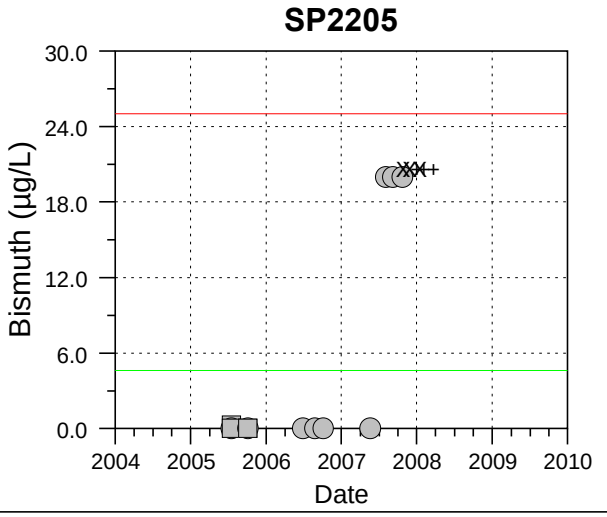

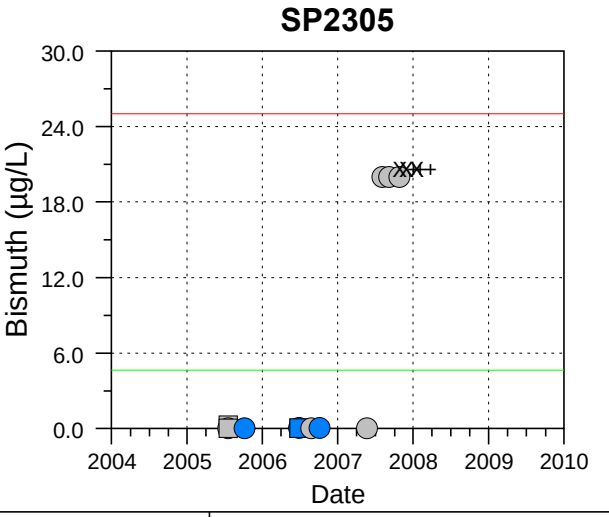

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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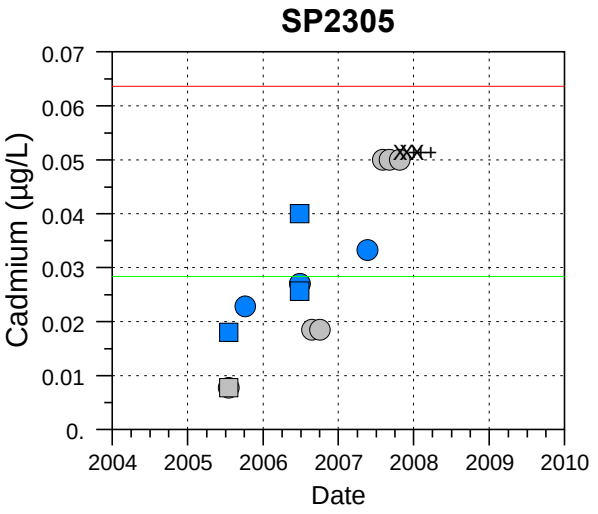
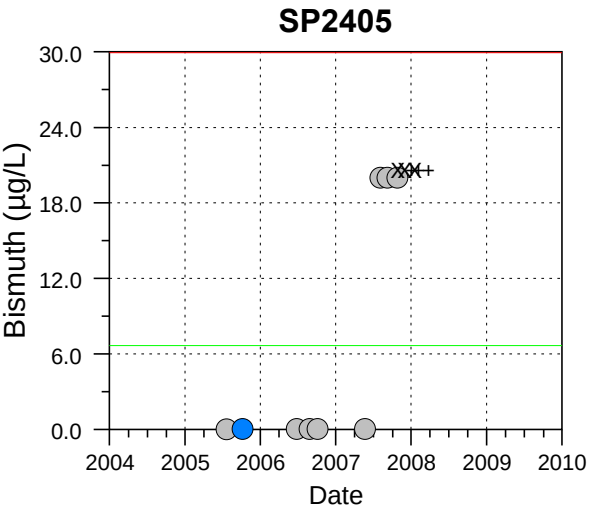
3) ug/L = micrograms per liter

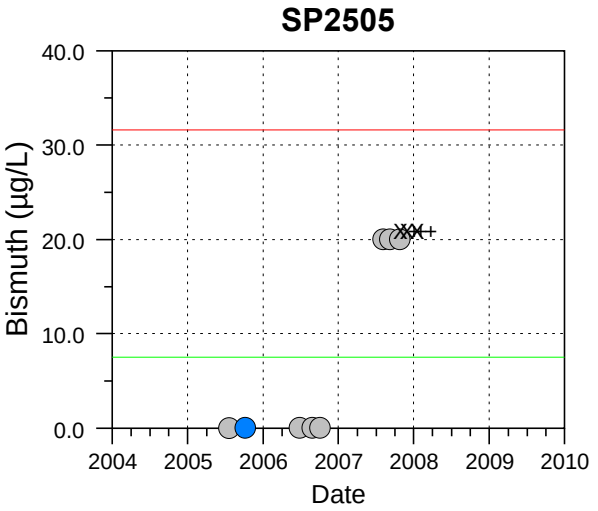
THE pebble PARTNERSHIP

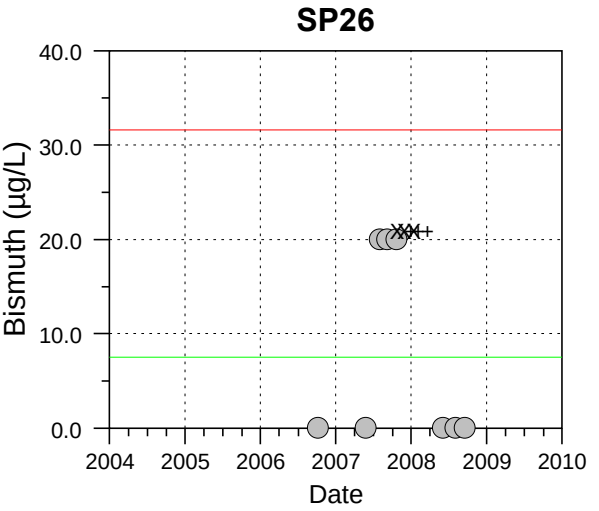
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

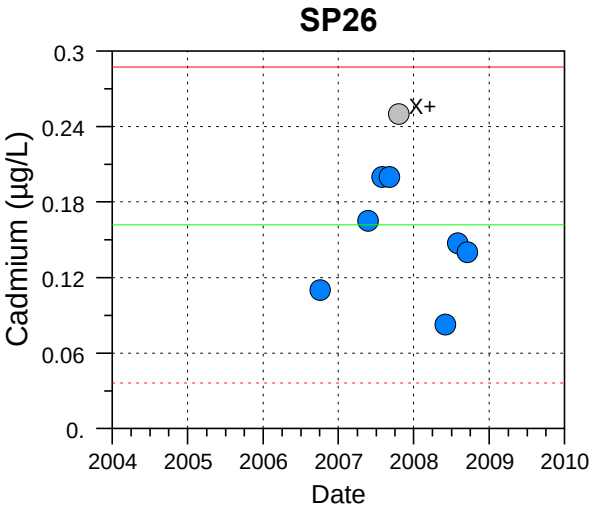
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

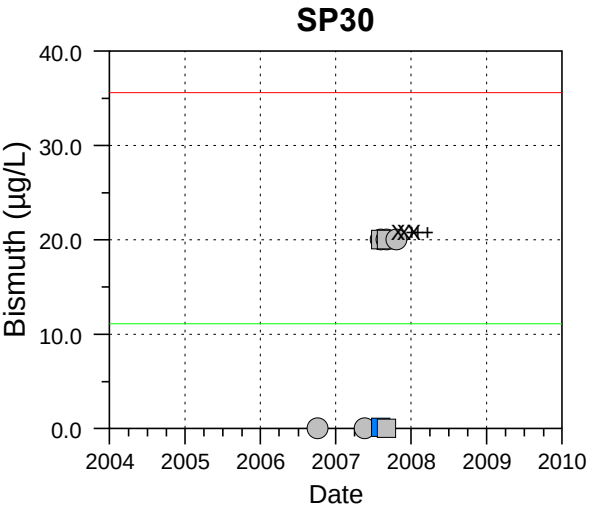












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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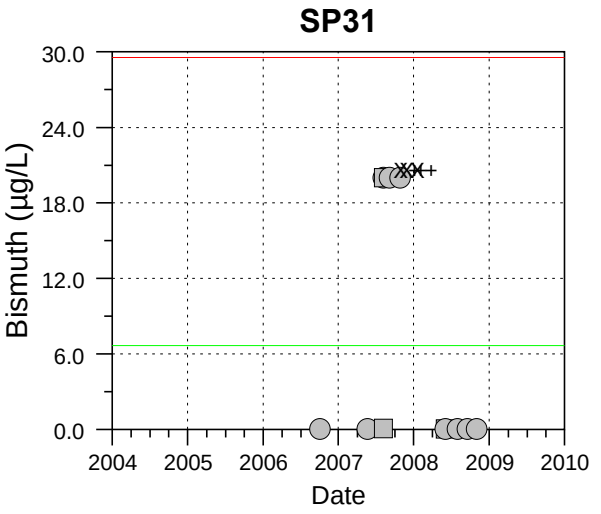
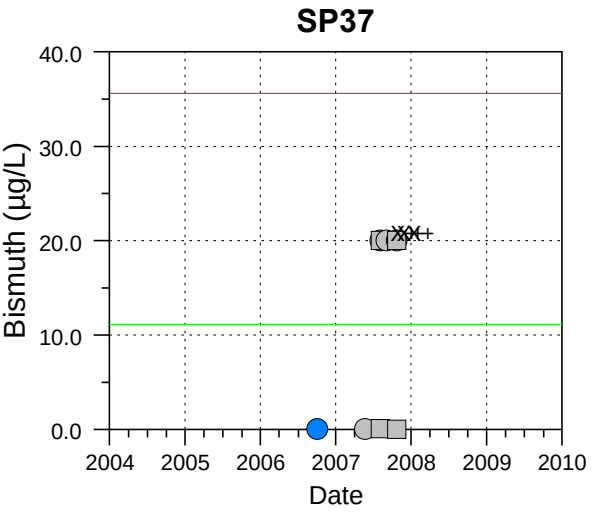
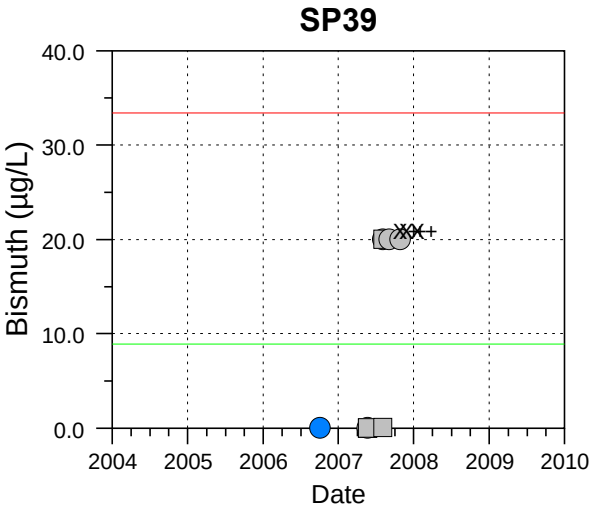
THE pebble PARTNERSHIP

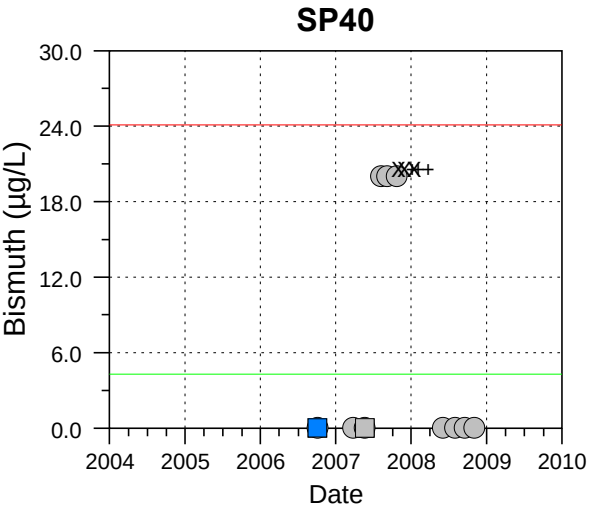
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

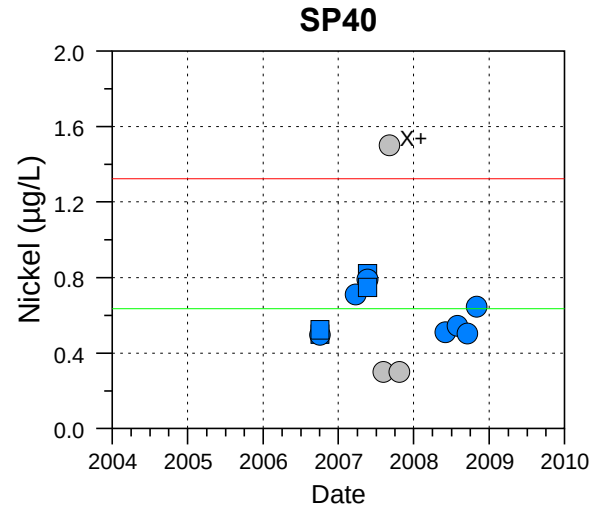
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

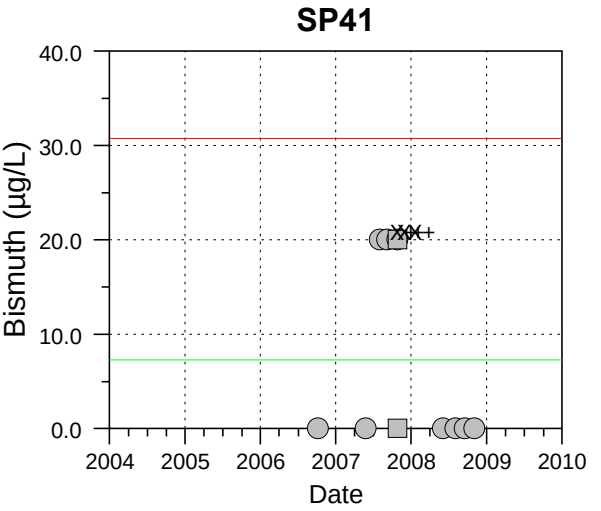












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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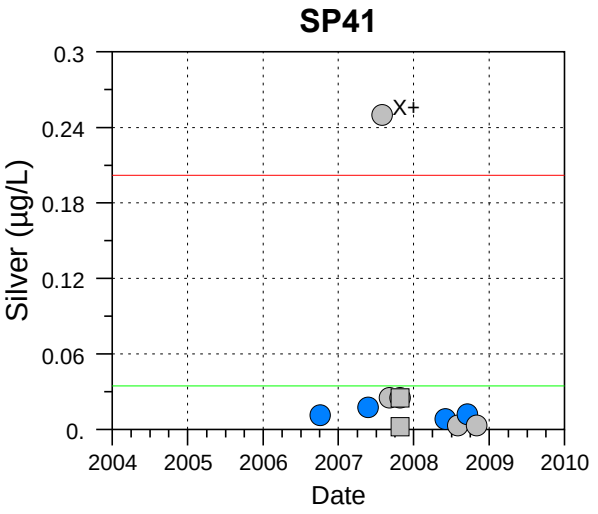
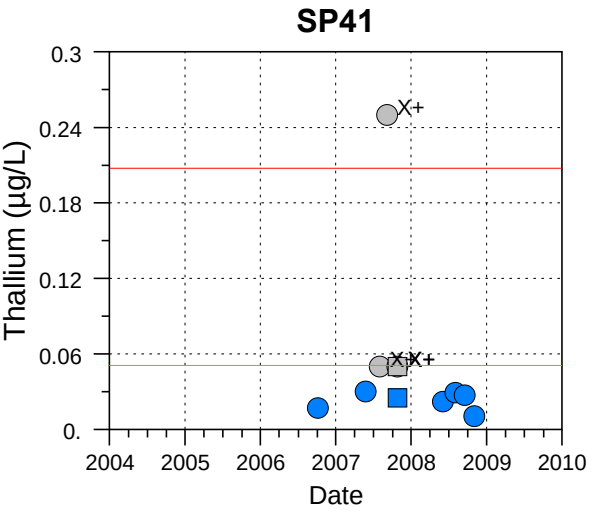
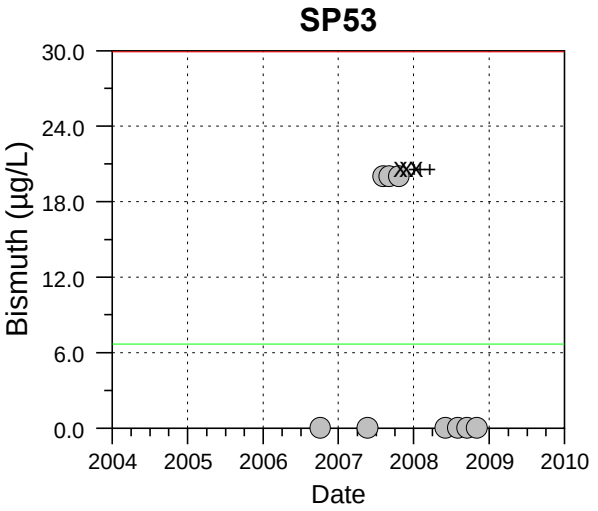
THE pebble PARTNERSHIP

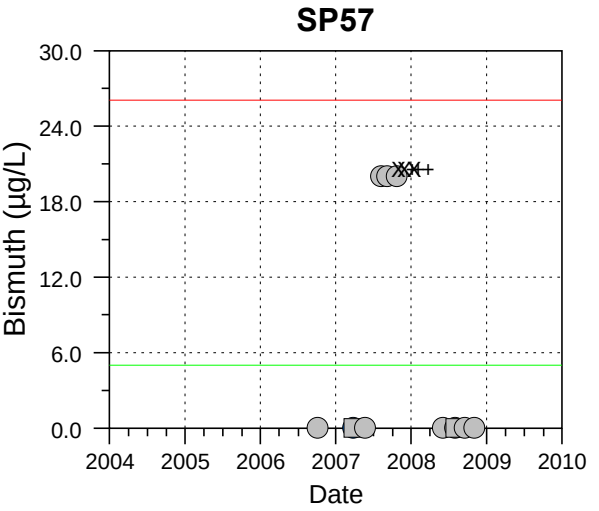
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

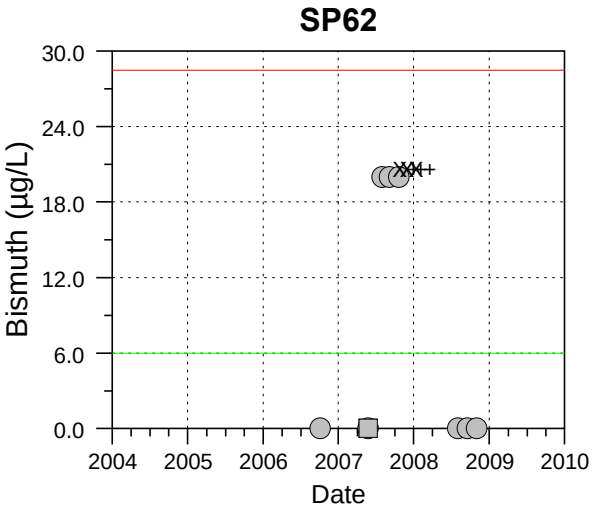
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

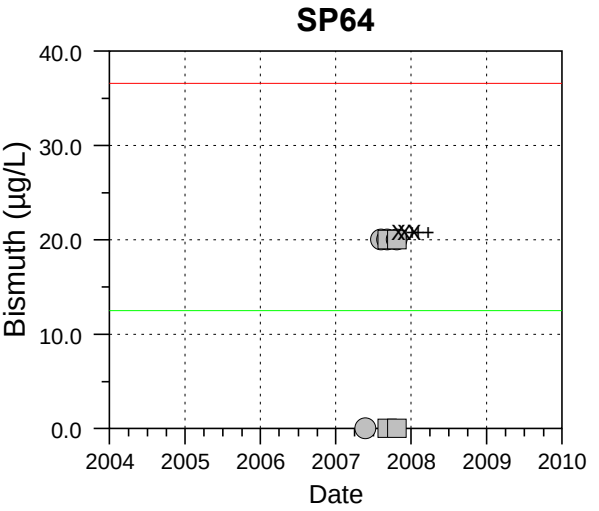












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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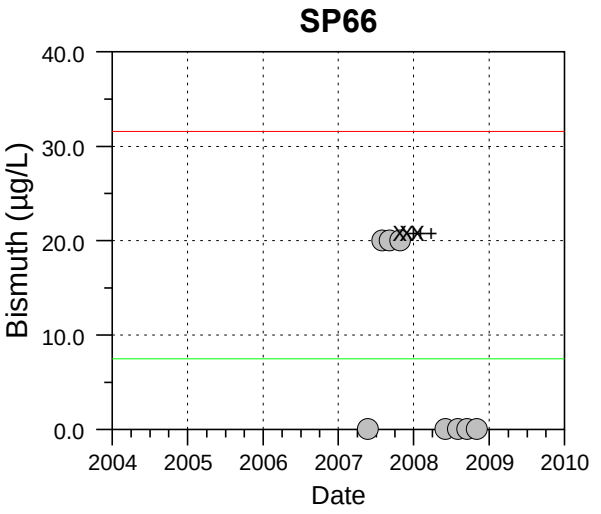
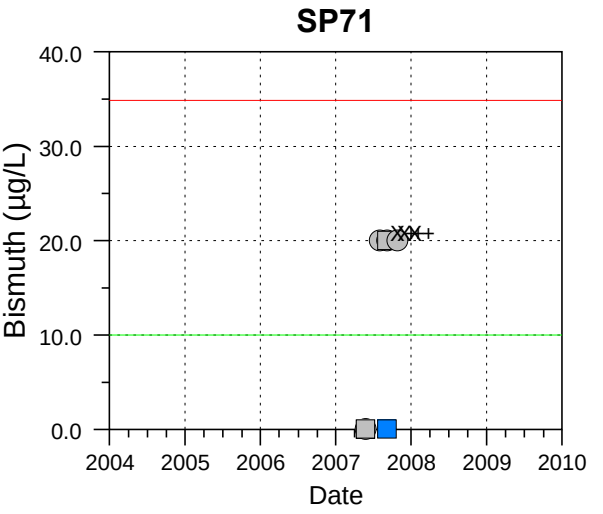
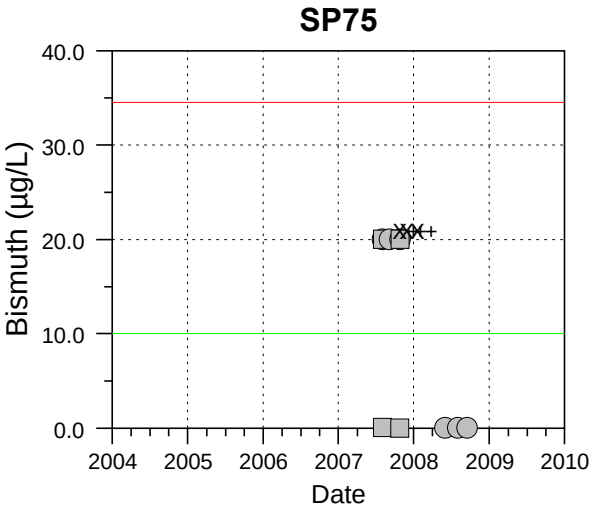
THE pebble PARTNERSHIP

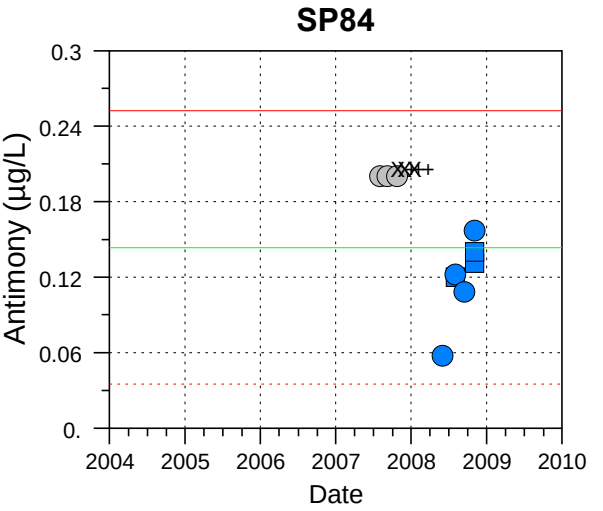
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

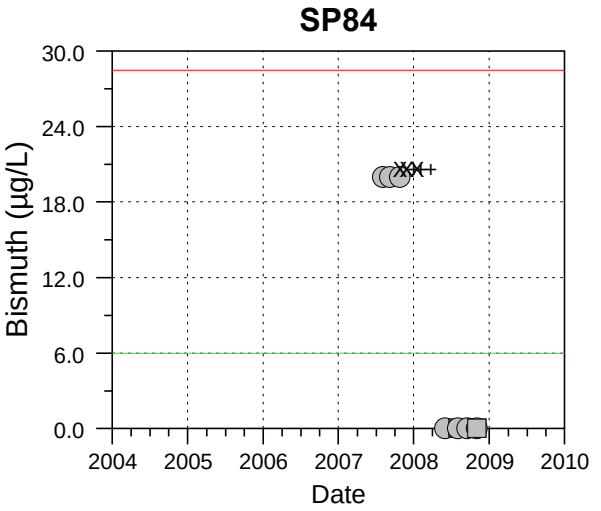
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

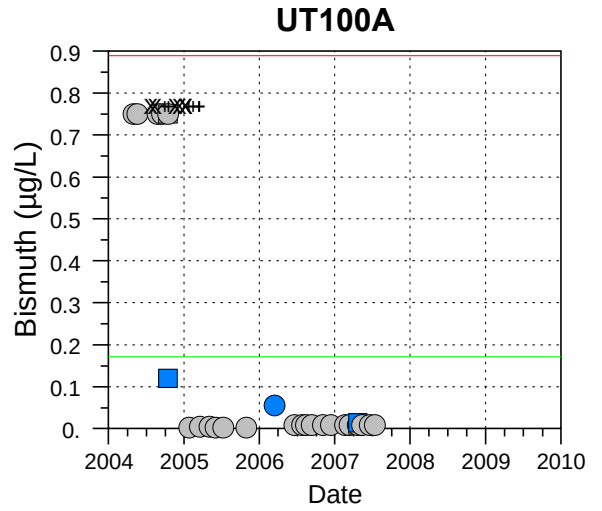












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

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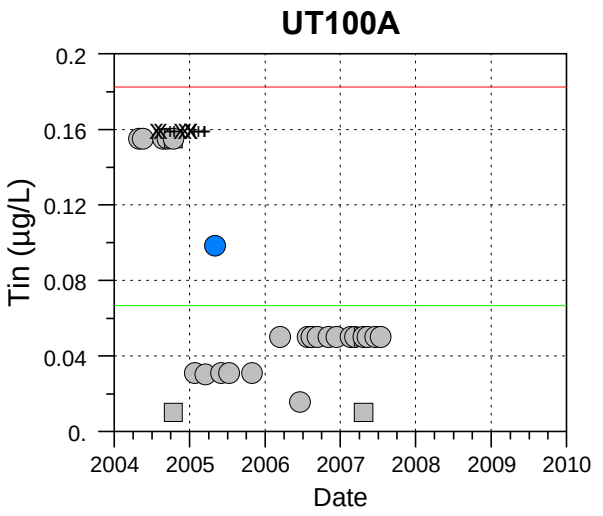
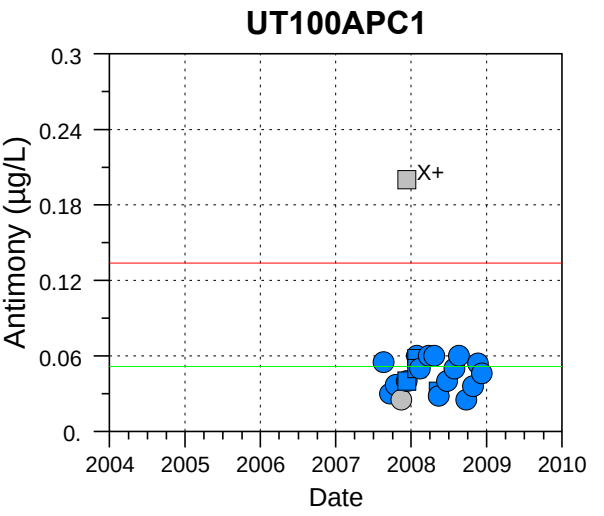
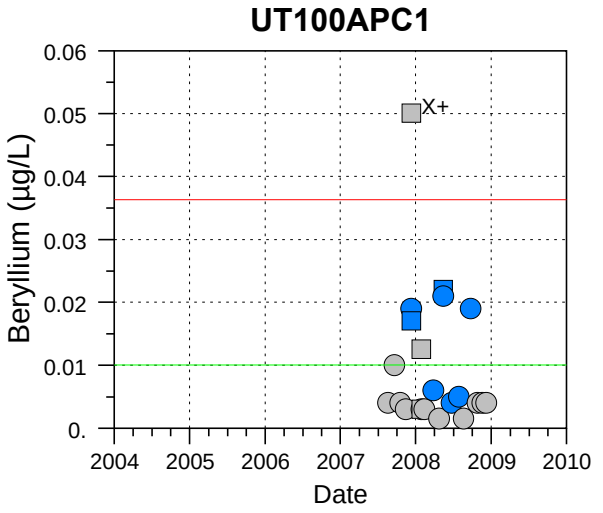
THE pebble PARTNERSHIP

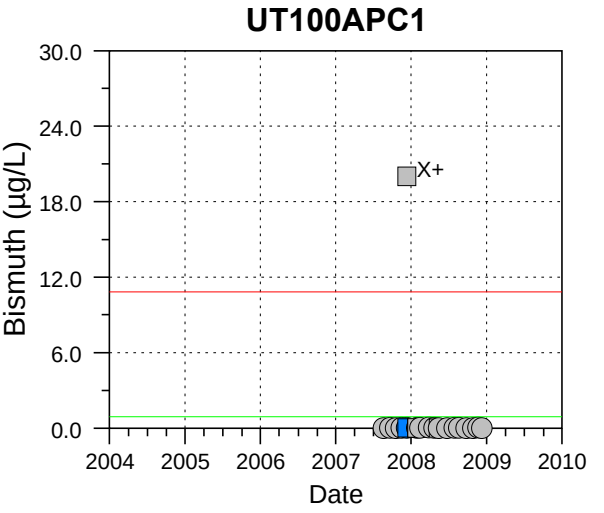
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

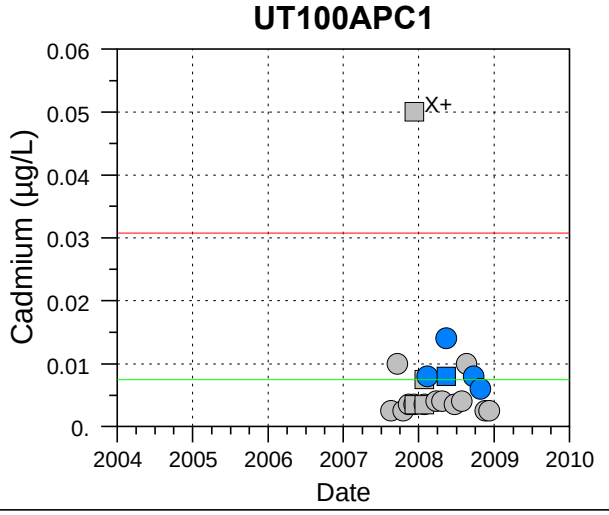
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

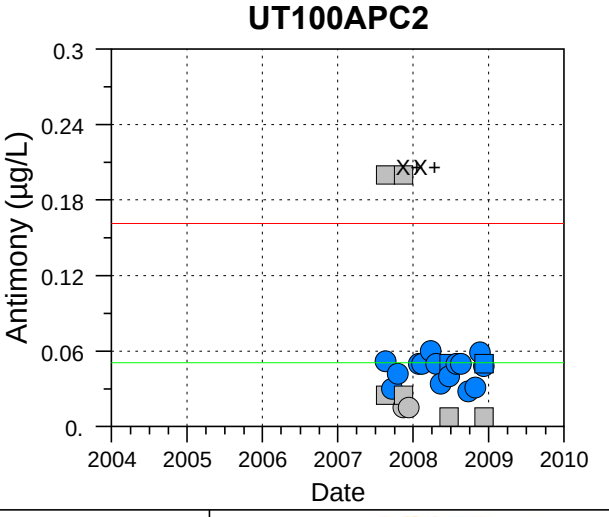












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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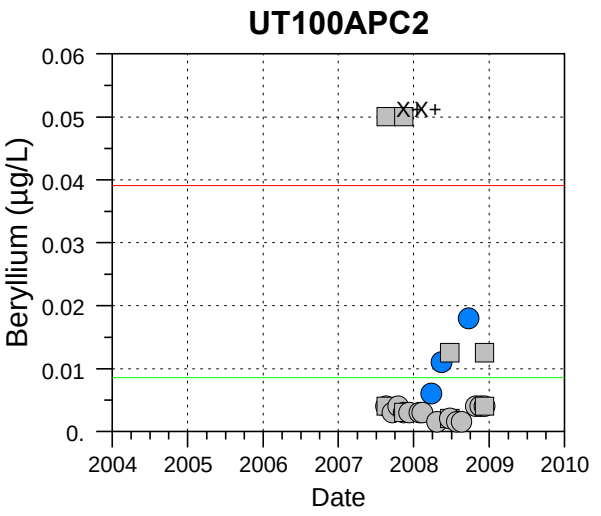
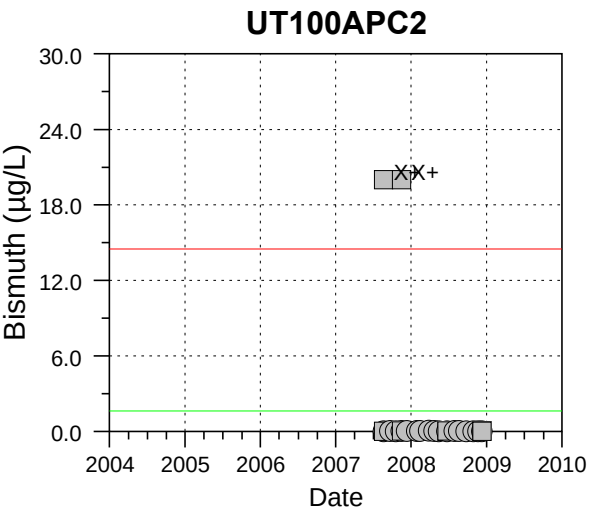
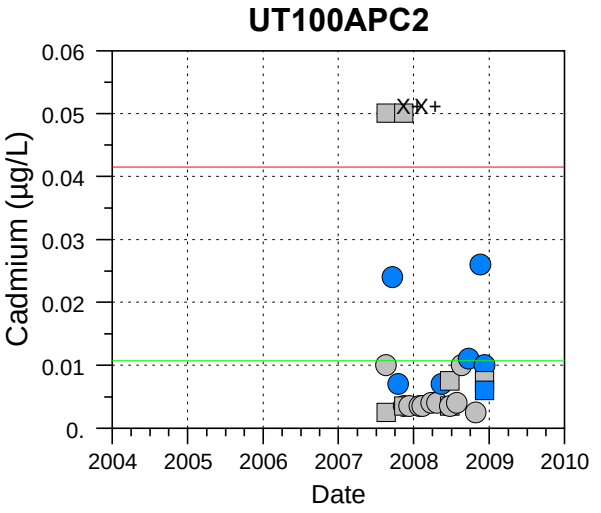
THE pebble PARTNERSHIP

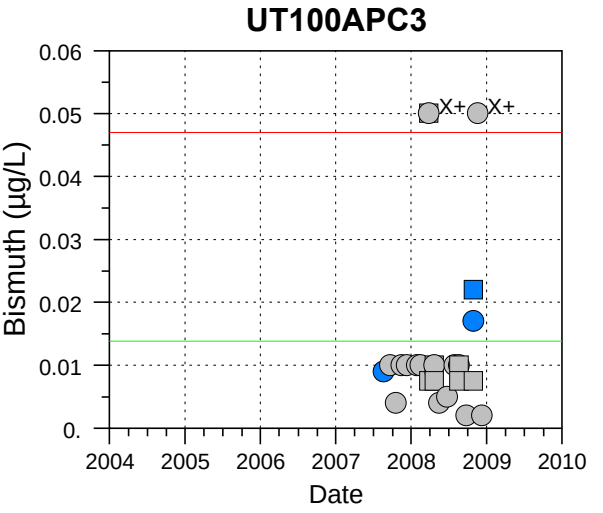
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

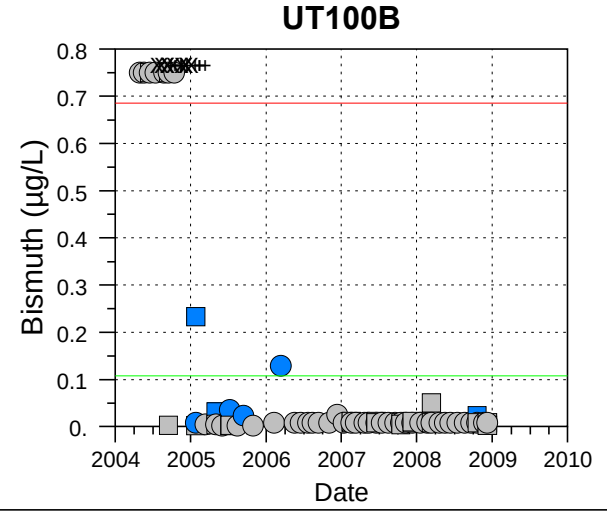
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

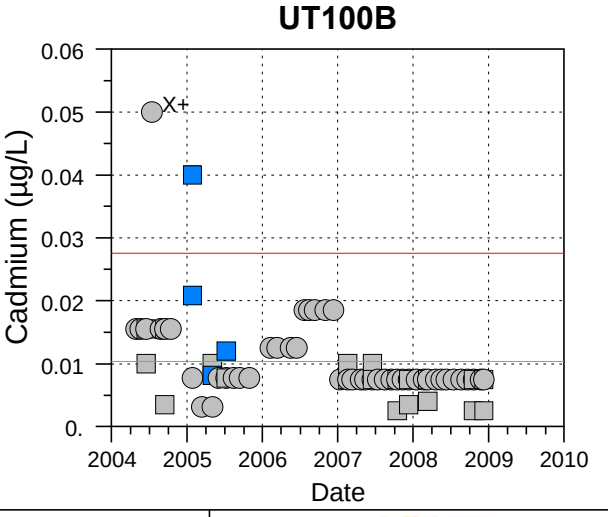












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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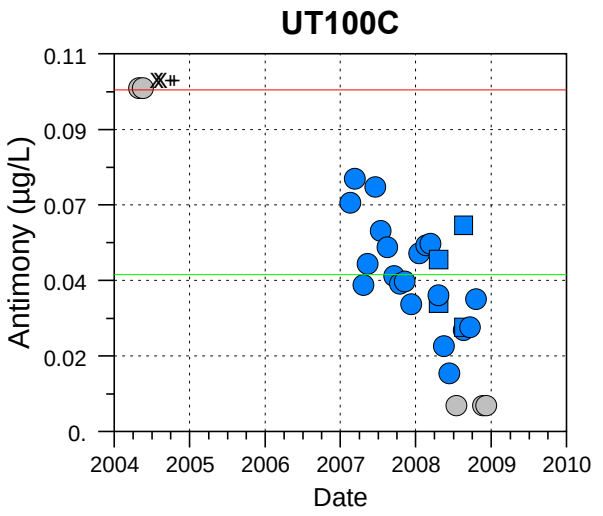
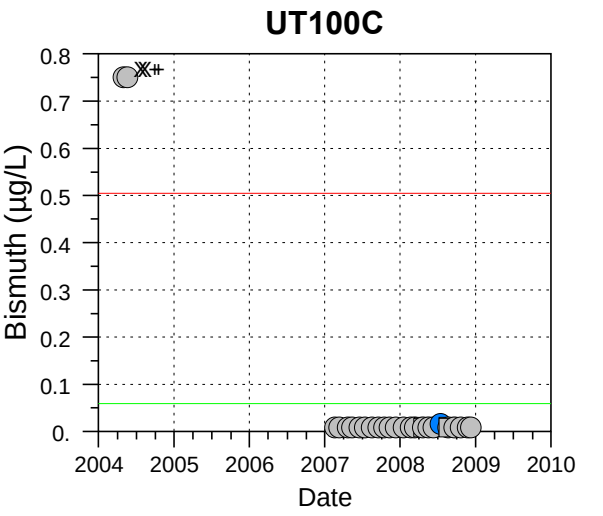
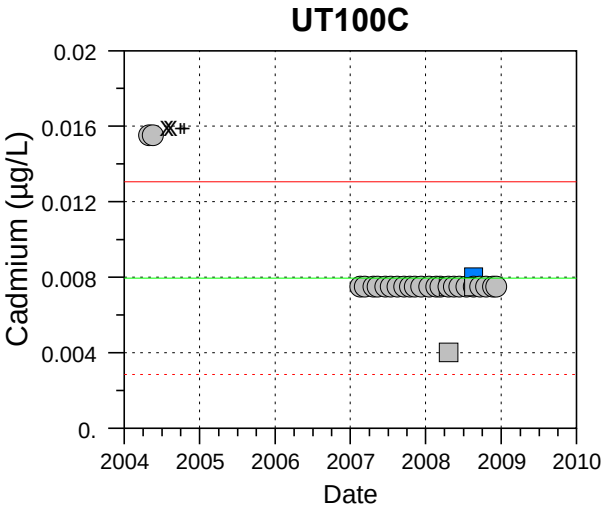
THE pebble PARTNERSHIP

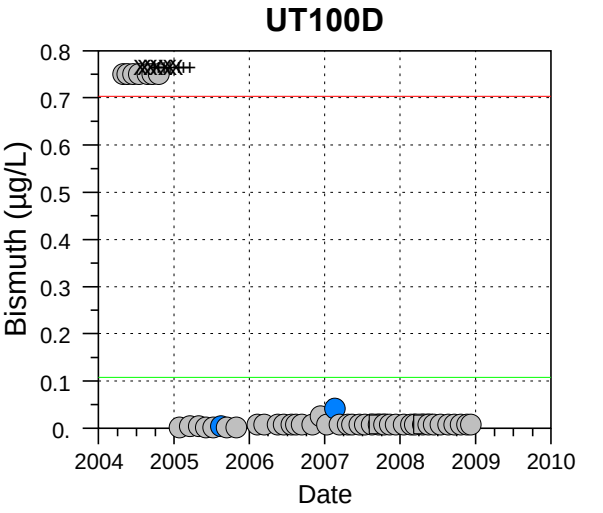
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

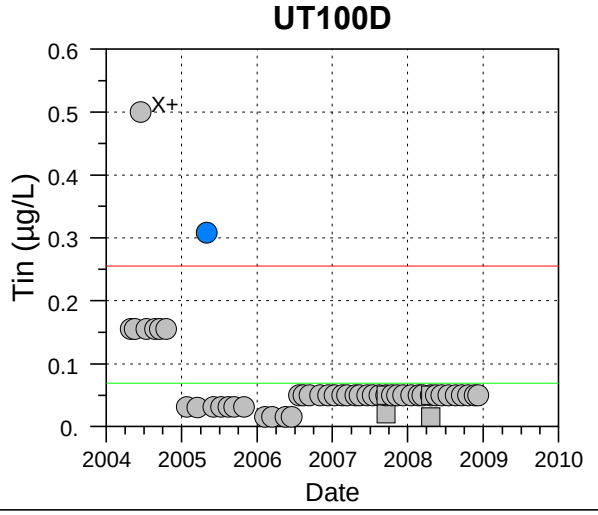
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

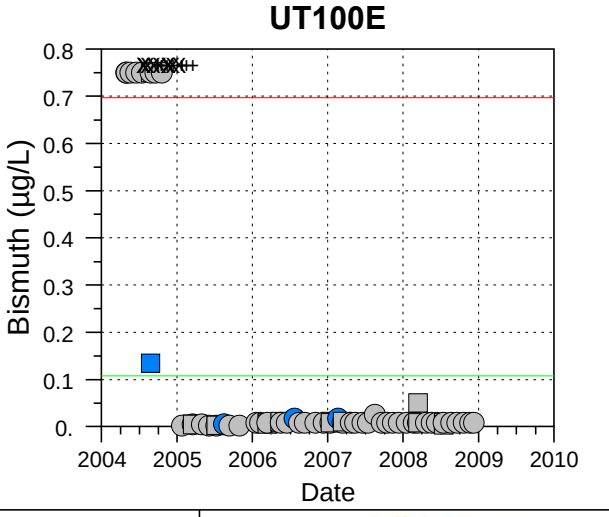












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

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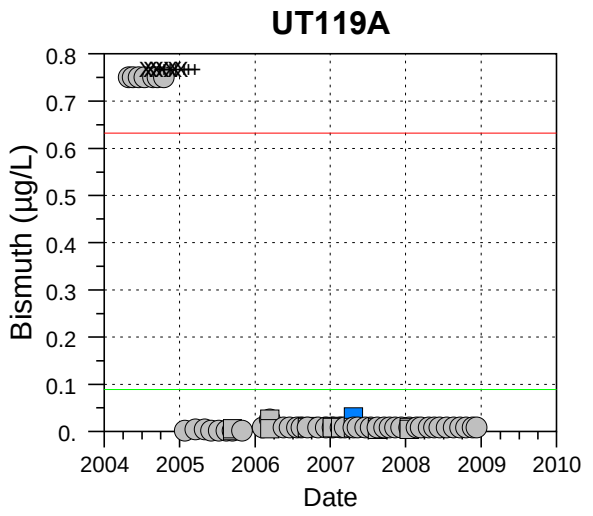
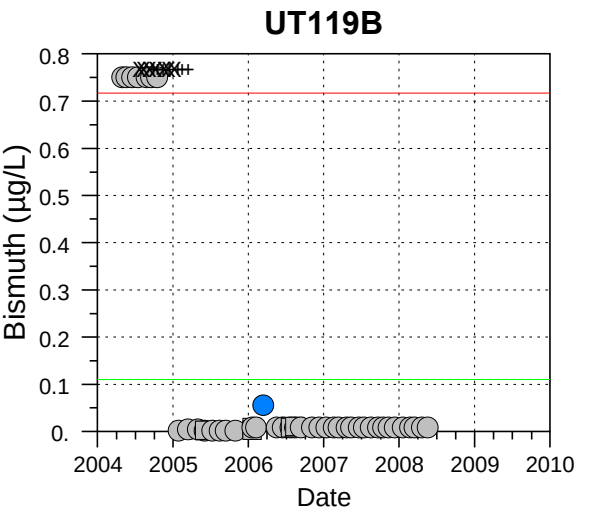
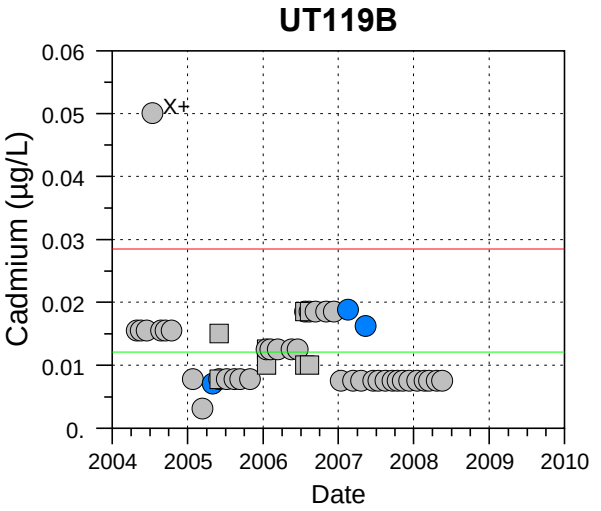
THE pebble PARTNERSHIP

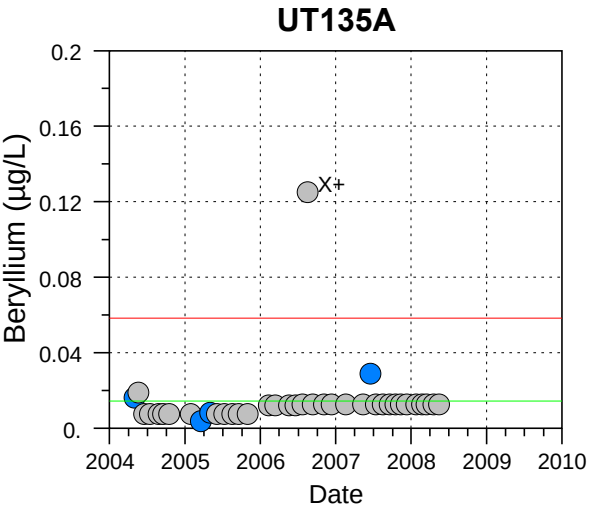
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

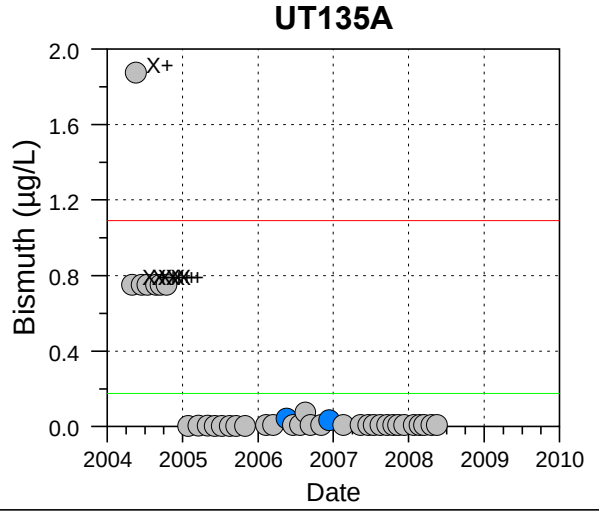
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

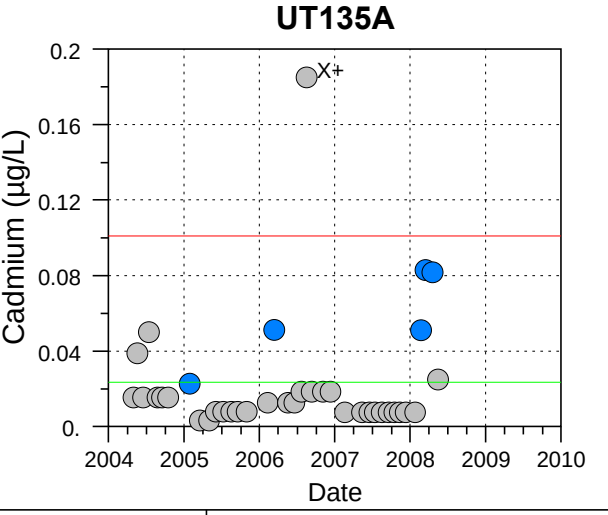












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

2) Some non detect values were marked as outliers because they were higher than other actual data values, or because they were much higher than other non-detect values, and therefore would have skewed the data analysis.

3) ug/L = micrograms per liter

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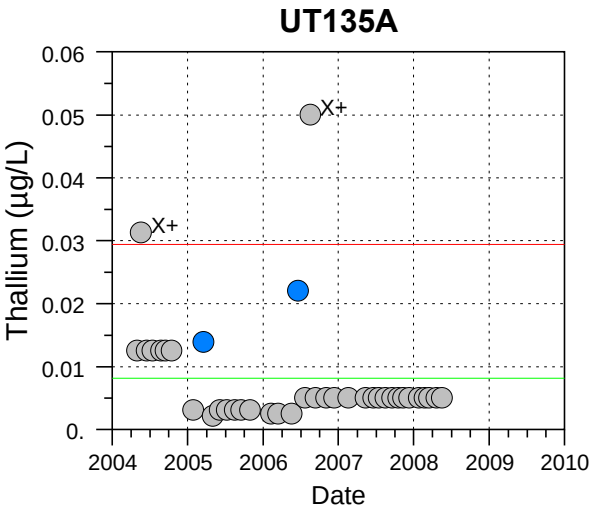
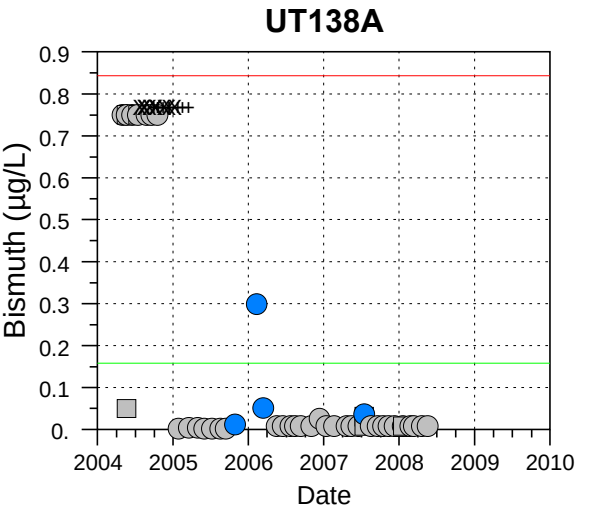
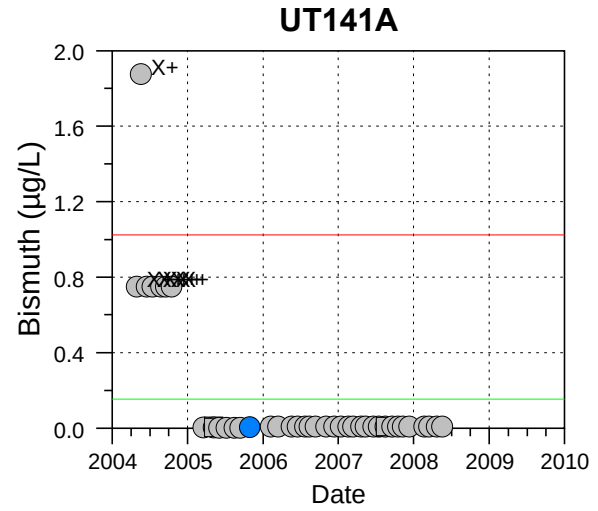
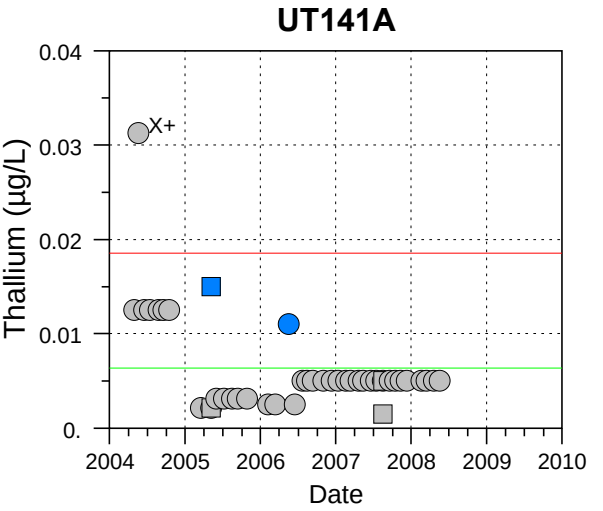
Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

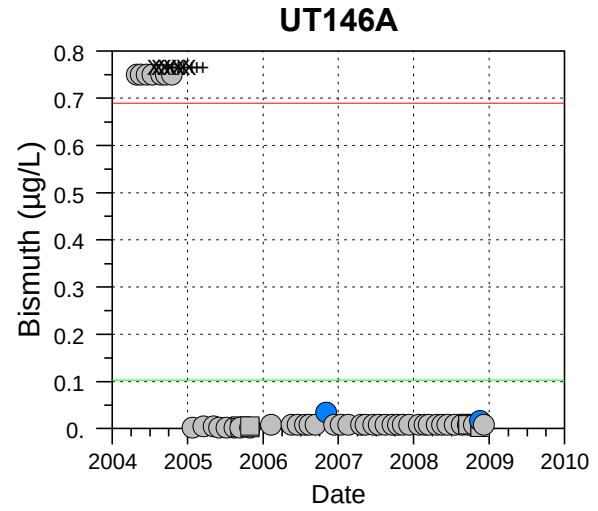
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca











Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

2) Some non detect values were marked as outliers because they were higher than other actual data values, or because they were much higher than other non-detect values, and therefore would have skewed the data analysis.

3) ug/L = micrograms per liter

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Appendix 9.1D
Control Plots Showing Outliers at Individual Sampling Locations for Total Constituents

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

Table 9.1D-1
Count of Outliers per Parameter and Sample Station, Dissolved Concentrations

Station	Antimony	Bismuth	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Molybdenum	Nickel	Silver	Thallium	Tin	Vanadium	Zinc	Total
B03	1	1			1													3
B09		1							1			1				1		4
KC100A		7	2											7	6			22
KR100A		7		1										7	7			22
NH100APC1	2	2		2			1				1	1				1	1	11
NK100A		6												6	6			18
NK100B		3													2			5
NK100C		6		1										6	6			19
NK119A		7		1														8
NK119B	1	9		1							1			1	8			21
SK100A	1	7	3												7			18
SK100B		8		1											8	1		18
SK100B2		1	1															2
SK100C		4												1				5
SK100D		7	2												7			16
SK100F		6													6			12
SK100G		9													9			18
SK100H (SK136A)	3	8	3												7			21
SK100I (SK136B)		9	1	1										9	8			28
SK119A		7		1										1				9
SK124A			1															1
SK131A		7		1											7			15
SK133A	1	8	1	1										7	5			23
SK134A		8													8			16
SP0105	3	3	1			2	3	1			2		3					18
SP0205		4	1	3									3					11
SP0305	3	3									1							7
SP0405		3	1															4
SP0605		3									3							6
SP0705	3	3	1								3							10
SP0805	3	3	1								3							10
SP0905	3	3									1							7
SP100		3									3		3					9
SP1005	3	3	1								2							9
SP109	4	3								5	3		5					20
SP1105	3	3	1							3	2							12
SP1205	3	4	1							3								11
SP1305	3	3																6
SP1405	3	3								4						1		11
SP1505	3	3				3					1							10
SP1705	3	3								1								7
SP1805	3	3											3					9

Table 9.1D-1
Count of Outliers per Parameter and Sample Station, Dissolved Concentrations

Station	Antimony	Bismuth	Boron	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Molybdenum	Nickel	Silver	Thallium	Tin	Vanadium	Zinc	Total
SP1905	3	3	1															7
SP2005		3									3							6
SP2105	3	3									3							9
SP2205	3	3		3							3							12
SP2305	3	3		3														9
SP2405	3	3	1									1						8
SP2505		3	1								1							5
SP26		3		1									1					5
SP30		3																3
SP31		3															1	4
SP37		3		3							3							9
SP39		3						1										4
SP40	3	3		3														9
SP41		3		1									3					7
SP53		3									3							6
SP57	3	3									3							9
SP62		3		3							3							9
SP64		3								3	3							9
SP66		3									3							6
SP71		3																3
SP75	3	5										3						11
SP84	3	3																6
UT100A		6	3											7	6			22
UT100APC1	1	1	2	1		1												6
UT100APC2	2	2	2	2		1			2							1		12
UT100APC3		2	2															4
UT100B		9												1	8			18
UT100C	1	2		2					1					1	2			9
UT100D		7	1											7	7			22
UT100E		9	3	1											9			22
UT106APC1			2															2
UT119A		7												7	6			20
UT119B		7	2								7				7			23
UT135A		7	1											7	7			22
UT138A		9	2								1			9	9			30
UT141A		7		1										7	7			22
UT146A		7									6				7			20
Total	**83**	**344**	**45**	**38**	**1**	**7**	**4**	**2**	**4**	**19**	**68**	**6**	**21**	**91**	**182**	**5**	**2**	**922**

Table 9.1D-2
Count of Outliers per Parameter and Sample Station, Total Concentrations

Station	Antimony	Beryllium	Bismuth	Boron	Cadmium	Chromium	Nickel	Silver	Tin	Thallium	Fluoride	Total
B03			1			2						**3**
B09		2	1				1					**4**
KC100A			7						7			**14**
KR100A			7									**7**
NH100APC1	2	2	2		2							**8**
NK100A			6									**6**
NK100B			3						3			**6**
NK100C			6									**6**
NK119A			6						6			**12**
NK119B			8						8			**16**
SK100A			7									**7**
SK100B			8					1	8			**17**
SK100C			4					1	4			**9**
SK100D			7	2					7			**16**
SK100F			6	1					6			**13**
SK100G			8									**8**
SK100H (SK136A)			8									**8**
SK100I (SK136B)			9									**9**
SK119A			7	1	1							**9**
SK131A			7	2								**9**
SK133A			8	2				1				**11**
SK134A			8	2				1				**11**
SP0105	3		3	2							6	**14**
SP0205	3		3	2								**8**
SP0305			3									**3**
SP0405			3									**3**
SP0605			3									**3**
SP0705			3									**3**
SP0805			3									**3**
SP0905	3		3									**6**
SP100			3									**3**
SP1005	3		2				1					**6**
SP109	5		3									**8**
SP1105	3		3									**6**
SP1205	5		3									**8**
SP1305	3		3				1					**7**
SP1505			3									**3**
SP1705	3		3							3		**9**
SP1805	4									1		**5**

Table 9.1D-2
Count of Outliers per Parameter and Sample Station, Total Concentrations

Station	Antimony	Beryllium	Bismuth	Boron	Cadmium	Chromium	Nickel	Silver	Tin	Thallium	Fluoride	Total
SP1905	3		3				1					**7**
SP2005			3									**3**
SP2105			3									**3**
SP2205			3									**3**
SP2305			3		3							**6**
SP2405			3									**3**
SP2505			3									**3**
SP26			3		1							**4**
SP30			3									**3**
SP31			3									**3**
SP37			3									**3**
SP39			3									**3**
SP40			3				1					**4**
SP41			3					1		4		**8**
SP53			3									**3**
SP57			3									**3**
SP62			3									**3**
SP64			3									**3**
SP66			3									**3**
SP71			3									**3**
SP75			3									**3**
SP84	3		3									**6**
UT100A			6						6			**12**
UT100APC1	1	1	1		1							**4**
UT100APC2	2	2	2		2							**8**
UT100APC3			2									**2**
UT100B			9		1							**10**
UT100C	2		2		2							**6**
UT100D			7						1			**8**
UT100E			9									**9**
UT119A			7									**7**
UT119B			7		1							**8**
UT135A		1	7		1					2		**11**
UT138A			9									**9**
UT141A			7							1		**8**
UT146A			7									**7**
Total	**51**	**8**	**332**	**14**	**15**	**2**	**6**	**5**	**56**	**11**	**6**	**506**

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
B03	21-Sep-07	Antimony	µg/L	<20	20	avg=2.5, P99=11, high ND value	X+
B03	21-Sep-07	Bismuth	µg/L	<80	80	avg=6.7, P99=43, high ND value	X+
B03	21-Sep-07	Chromium	µg/L	<5	5	avg=0.41, P99=2, high ND value	X+
B09	22-Sep-07	Bismuth	µg/L	<40	40	avg=1.4, P99=14, high ND value	X+
B09	22-Nov-07	Lead	µg/L	<0.124	0.124	avg=0.042, P99=0.096, high ND value	X+
B09	22-Sep-07	Nickel	µg/L	<3	0.6	avg=0.52, P99=1.4, high ND value	X+
B09	22-Sep-07	Vanadium	µg/L	<10	2	avg=1.1, P99=3.8, high ND value	X+
KC100A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.0048, P99=0.0093	X+
KC100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	12-Jul-05	Boron	µg/L	<10	3.1	avg=1.6, P99=3.6, high ND value	X+
KC100A	20-May-04	Boron	µg/L	<10	3.1	avg=1.6, P99=3.6, high ND value	X+
KC100A	15-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
KC100A	15-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
KC100A	13-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
KC100A	17-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
KC100A	20-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
KC100A	13-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
KC100A	23-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
KC100A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.16, high ND value	X+
KC100A	23-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.16, high ND value	X+
KC100A	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.16, high ND value	X+
KC100A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.16, high ND value	X+
KC100A	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.16, high ND value	X+
KC100A	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.16, high ND value	X+
KR100A	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
KR100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
KR100A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
KR100A	27-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
KR100A	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
KR100A	29-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
KR100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
KR100A	14-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.013, P99=0.035, high ND value	X+
KR100A	15-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.014, high ND value	X+
KR100A	14-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.014, high ND value	X+
KR100A	15-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.014, high ND value	X+
KR100A	18-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.014, high ND value	X+
KR100A	17-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.014, high ND value	X+
KR100A	29-Apr-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.014, high ND value	X+
KR100A	27-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.014, high ND value	X+
KR100A	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.16, high ND value	X+
KR100A	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.16, high ND value	X+
KR100A	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.16, high ND value	X+
KR100A	29-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.16, high ND value	X+
KR100A	27-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.16, high ND value	X+
KR100A	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.16, high ND value	X+
KR100A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.16, high ND value	X+
NH100APC1	20-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.046, P99=0.14, high ND value	X+
NH100APC1	19-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.046, P99=0.14, high ND value	X+
NH100APC1	19-Oct-07	Bismuth	µg/L	<40	40	avg=0.98, P99=11, high ND value	X+
NH100APC1	20-Sep-07	Bismuth	µg/L	<40	40	avg=0.98, P99=11, high ND value	X+
NH100APC1	20-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.013, P99=0.044, high ND value	X+
NH100APC1	19-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.013, P99=0.044, high ND value	X+
NH100APC1	20-Sep-07	Copper	µg/L	<3	0.5	avg=0.64, P99=1.1, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
NH100APC1	20-Sep-07	Molybdenum	µg/L	<3	0.5	avg=1.3, P99=1.5, high ND value	X+
NH100APC1	20-Sep-07	Nickel	µg/L	<3	0.6	avg=0.33, P99=1, high ND value	X+
NH100APC1	20-Sep-07	Vanadium	µg/L	<1	0.2	avg=0.26, P99=0.48, high ND value	X+
NH100APC1	20-Sep-07	Zinc	µg/L	<10	2	avg=1.5, P99=4.1, high ND value	X+
NK100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	17-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100A	15-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100A	24-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100A	14-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100A	15-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100A	19-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100A	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
NK100A	19-May-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
NK100A	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
NK100A	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
NK100A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
NK100A	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
NK100B	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.05, P99=0.45, high ND value	X+
NK100B	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.05, P99=0.45, high ND value	X+
NK100B	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.05, P99=0.45, high ND value	X+
NK100B	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.049, P99=0.13, high ND value	X+
NK100B	18-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.049, P99=0.13, high ND value	X+
NK100C	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
NK100C	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
NK100C	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
NK100C	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
NK100C	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
NK100C	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
NK100C	14-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.015, P99=0.044, high ND value	X+
NK100C	15-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100C	18-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100C	24-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100C	15-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100C	19-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100C	14-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0053, P99=0.012, high ND value	X+
NK100C	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
NK100C	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
NK100C	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
NK100C	19-May-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
NK100C	18-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
NK100C	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
NK119A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.08, P99=0.59, high ND value	X+
NK119A	24-Aug-04	Bismuth	µg/L	<0.004	0.004	avg=0.08, P99=0.59, high ND value	X+
NK119A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.08, P99=0.59, high ND value	X+
NK119A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.078, P99=0.75	X+
NK119A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.08, P99=0.59, high ND value	X+
NK119A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.08, P99=0.59, high ND value	X+
NK119A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.08, P99=0.59, high ND value	X+
NK119A	15-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.01, P99=0.025, high ND value	X+
NK119B	21-May-04	Antimony	µg/L	<0.5	0.193	avg=0.042, P99=0.17, high ND value	X+
NK119B	21-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.27, P99=1.3, high ND value	X+
NK119B	21-May-04	Bismuth	µg/L	<3.75	3.75	avg=0.27, P99=1.3, high ND value	X+
NK119B	21-May-04	Bismuth	µg/L	<0.1	0.1	avg=0.27, P99=1.3, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
NK119B	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.27, P99=1.3, high ND value	X+
NK119B	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.27, P99=1.3, high ND value	X+
NK119B	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.27, P99=1.3, high ND value	X+
NK119B	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.27, P99=1.3, high ND value	X+
NK119B	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.27, P99=1.3, high ND value	X+
NK119B	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.27, P99=1.3, high ND value	X+
NK119B	21-May-04	Cadmium	µg/L	<0.0775	0.0775	avg=0.0099, P99=0.026, high ND value	X+
NK119B	21-May-04	Molybdenum	µg/L	<0.775	0.775	avg=0.14, P99=0.29, high ND value	X+
NK119B	21-May-04	Thallium	µg/L	<0.0625	0.0625	avg=0.0071, P99=0.022, high ND value	X+
NK119B	18-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.26, high ND value	X+
NK119B	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.26, high ND value	X+
NK119B	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.26, high ND value	X+
NK119B	21-May-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.26, high ND value	X+
NK119B	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.26, high ND value	X+
NK119B	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.26, high ND value	X+
NK119B	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.26, high ND value	X+
NK119B	21-May-04	Tin	µg/L	<0.775	0.775	avg=0.079, P99=0.26, high ND value	X+
SK100A	24-Aug-04	Antimony	µg/L	<0.2	0.077	avg=0.024, P99=0.07, high ND value	X+
SK100A	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.63, high ND value	X+
SK100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.63, high ND value	X+
SK100A	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.63, high ND value	X+
SK100A	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.63, high ND value	X+
SK100A	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.63, high ND value	X+
SK100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.63, high ND value	X+
SK100A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.63, high ND value	X+
SK100A	17-Aug-05	Boron	µg/L	<10	3.1	avg=1.6, P99=3.7, high ND value	X+
SK100A	9-Jul-05	Boron	µg/L	<10	3.1	avg=1.6, P99=3.7, high ND value	X+
SK100A	28-Apr-04	Boron	µg/L	<10	3.1	avg=1.6, P99=3.7, high ND value	X+
SK100A	28-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.17, high ND value	X+
SK100A	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.17, high ND value	X+
SK100A	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.17, high ND value	X+
SK100A	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.17, high ND value	X+
SK100A	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.17, high ND value	X+
SK100A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.17, high ND value	X+
SK100A	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.17, high ND value	X+
SK100B	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.67, high ND value	X+
SK100B	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.67, high ND value	X+
SK100B	13-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.67, high ND value	X+
SK100B	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.67, high ND value	X+
SK100B	13-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.67, high ND value	X+
SK100B	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.67, high ND value	X+
SK100B	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.67, high ND value	X+
SK100B	13-Sep-04	Bismuth	µg/L	<0.004	0.004	avg=0.098, P99=0.67, high ND value	X+
SK100B	14-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.011, P99=0.025, high ND value	X+
SK100B	13-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	23-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	13-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.15, high ND value	X+
SK100B	15-Mar-07	Vanadium	µg/L	<1	0.31	avg=0.17, P99=0.32, high ND value	X+
SK100B2	13-Sep-06	Bismuth	µg/L	<0.05	0.015	avg=0.0083, P99=0.02, high ND value	X+
SK100B2	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.4, high ND value	X+
SK100C	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=1.2, high ND value	X+
SK100C	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=1.2, high ND value	X+
SK100C	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=1.2, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SK100C	18-May-04	Bismuth	µg/L	<3.75	3.75	avg=0.16, P99=1.2, high ND value	X+
SK100C	18-May-04	Thallium	µg/L	<0.0625	0.0625	avg=0.0075, P99=0.024, high ND value	X+
SK100D	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK100D	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK100D	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK100D	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK100D	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK100D	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK100D	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK100D	28-Apr-04	Boron	µg/L	<10	3.1	avg=1.6, P99=3.6, high ND value	X+
SK100D	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.6, P99=3.6, high ND value	X+
SK100D	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.25, high ND value	X+
SK100D	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.25, high ND value	X+
SK100D	14-Jul-04	Tin	µg/L	<1	0.31	avg=0.067, P99=0.25, high ND value	X+
SK100D	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.25, high ND value	X+
SK100D	28-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.25, high ND value	X+
SK100D	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.25, high ND value	X+
SK100D	23-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.25, high ND value	X+
SK100F	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.093, P99=0.65, high ND value	X+
SK100F	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.093, P99=0.65, high ND value	X+
SK100F	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.093, P99=0.65, high ND value	X+
SK100F	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.093, P99=0.65, high ND value	X+
SK100F	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.093, P99=0.65, high ND value	X+
SK100F	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.093, P99=0.65, high ND value	X+
SK100F	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.054, P99=0.14, high ND value	X+
SK100F	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.054, P99=0.14, high ND value	X+
SK100F	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.054, P99=0.14, high ND value	X+
SK100F	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.054, P99=0.14, high ND value	X+
SK100F	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.054, P99=0.14, high ND value	X+
SK100F	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.054, P99=0.14, high ND value	X+
SK100G	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.73, high ND value	X+
SK100G	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.73, high ND value	X+
SK100G	25-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.13, P99=0.75	X+
SK100G	16-Jun-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.13, P99=0.75	X+
SK100G	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.73, high ND value	X+
SK100G	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.73, high ND value	X+
SK100G	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.73, high ND value	X+
SK100G	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.73, high ND value	X+
SK100G	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.73, high ND value	X+
SK100G	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	28-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100G	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
SK100H	13-Jul-04	Antimony	µg/L	<0.2	0.077	avg=0.031, P99=0.082, high ND value	X+
SK100H	16-Jun-04	Antimony	µg/L	<0.2	0.077	avg=0.031, P99=0.082, high ND value	X+
SK100H	18-May-04	Antimony	µg/L	<0.2	0.077	avg=0.031, P99=0.082, high ND value	X+
SK100H	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100H	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100H	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100H	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100H	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100H	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100H	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SK100H	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100H	12-Sep-05	Boron	µg/L	<10	3.1	avg=1.7, P99=4, high ND value	X+
SK100H	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.7, P99=4, high ND value	X+
SK100H	1-May-04	Boron	µg/L	<10	3.1	avg=1.7, P99=4, high ND value	X+
SK100H	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.16, high ND value	X+
SK100H	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.16, high ND value	X+
SK100H	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.16, high ND value	X+
SK100H	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.16, high ND value	X+
SK100H	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.16, high ND value	X+
SK100H	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.16, high ND value	X+
SK100H	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.058, P99=0.16, high ND value	X+
SK100I	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	13-Jul-04	Bismuth	µg/L	<1.5	1.5	High DL, high DL	X+
SK100I	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	12-Sep-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.1, high ND value	X+
SK100I	13-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.014, P99=0.035, high ND value	X+
SK100I	1-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	18-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	16-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	16-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	13-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	13-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	14-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	25-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	1-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0061, P99=0.015, high ND value	X+
SK100I	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK100I	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK100I	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK100I	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK100I	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK100I	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK100I	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK100I	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.073, P99=0.3, high ND value	X+
SK119A	16-Jun-04	Bismuth	µg/L	<3.75	3.75	avg=0.15, P99=1, high ND value	X+
SK119A	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
SK119A	13-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
SK119A	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
SK119A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
SK119A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
SK119A	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
SK119A	16-Jun-04	Cadmium	µg/L	<0.0775	0.0775	avg=0.012, P99=0.027, high ND value	X+
SK119A	16-Jun-04	Thallium	µg/L	<0.0625	0.0625	avg=0.0065, P99=0.019, high ND value	X+
SK124A	9-Jul-05	Boron	µg/L	<10	3.1	avg=1.4, P99=3.2, high ND value	X+
SK131A	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.64, high ND value	X+
SK131A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.64, high ND value	X+
SK131A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.64, high ND value	X+
SK131A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.64, high ND value	X+
SK131A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.64, high ND value	X+
SK131A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.64, high ND value	X+
SK131A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.09, P99=0.64, high ND value	X+
SK131A	13-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.01, P99=0.026, high ND value	X+
SK131A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.051, P99=0.14, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SK131A	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.051, P99=0.14, high ND value	X+
SK131A	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.051, P99=0.14, high ND value	X+
SK131A	19-May-04	Tin	µg/L	<0.31	0.31	avg=0.051, P99=0.14, high ND value	X+
SK131A	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.051, P99=0.14, high ND value	X+
SK131A	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.051, P99=0.14, high ND value	X+
SK131A	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.051, P99=0.14, high ND value	X+
SK133A	19-May-04	Antimony	µg/L	<0.2	0.077	avg=0.029, P99=0.082, high ND value	X+
SK133A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=0.84, high ND value	X+
SK133A	12-Sep-05	Boron	µg/L	<10	3.1	avg=1.4, P99=2.9, high ND value	X+
SK133A	21-Feb-08	Cadmium	µg/L	<0.05	0.015	avg=0.013, P99=0.025, high ND value	X+
SK133A	26-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
SK133A	14-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
SK133A	16-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
SK133A	19-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
SK133A	1-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
SK133A	13-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
SK133A	15-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
SK133A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.084, P99=0.41, high ND value	X+
SK133A	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.084, P99=0.41, high ND value	X+
SK133A	19-May-04	Tin	µg/L	<0.31	0.31	avg=0.084, P99=0.41, high ND value	X+
SK133A	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.084, P99=0.41, high ND value	X+
SK133A	19-May-04	Tin	µg/L	<0.31	0.31	avg=0.084, P99=0.41, high ND value	X+
SK134A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.7, high ND value	X+
SK134A	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK134A	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK134A	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK134A	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK134A	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK134A	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK134A	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK134A	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SP0105	6-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.21, high ND value	X+
SP0105	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.21, high ND value	X+
SP0105	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.21, high ND value	X+
SP0105	6-Sep-07	Bismuth	µg/L	<40	40	avg=3, P99=20, high ND value	X+
SP0105	6-Aug-07	Bismuth	µg/L	<40	40	avg=3, P99=20, high ND value	X+
SP0105	26-Oct-07	Bismuth	µg/L	<40	40	avg=3, P99=20, high ND value	X+
SP0105	20-Jul-05	Boron	µg/L	<10	3.1	avg=1.4, P99=3.8, high ND value	X+
SP0105	6-Aug-07	Cobalt	µg/L	<0.05	0.05	avg=0.013, P99=0.029, high ND value	X+
SP0105	26-Oct-07	Cobalt	µg/L	<0.05	0.05	avg=0.013, P99=0.029, high ND value	X+
SP0105	26-Oct-07	Copper	µg/L	<0.5	0.5	avg=0.16, P99=0.36, high ND value	X+
SP0105	6-Sep-07	Copper	µg/L	<0.5	0.5	avg=0.16, P99=0.36, high ND value	X+
SP0105	6-Aug-07	Copper	µg/L	<0.5	0.5	avg=0.16, P99=0.36, high ND value	X+
SP0105	6-Sep-07	Iron	µg/L	<50	20	avg=7.8, P99=22, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP0105	26-Oct-07	Molybdenum	µg/L	<3	0.5	avg=0.95, P99=1.5, high ND value	X+
SP0105	6-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.95, P99=1.5, high ND value	X+
SP0105	6-Aug-07	Silver	µg/L	<0.05	0.05	avg=0.0065, P99=0.025, high ND value	X+
SP0105	26-Oct-07	Silver	µg/L	<0.05	0.05	avg=0.0065, P99=0.025, high ND value	X+
SP0105	6-Sep-07	Silver	µg/L	<0.05	0.05	avg=0.0065, P99=0.025, high ND value	X+
SP0205	6-Sep-07	Bismuth	µg/L	<40	40	avg=7.6, P99=60, high ND value	X+
SP0205	26-Oct-07	Bismuth	µg/L	<40	40	avg=7.6, P99=60, high ND value	X+
SP0205	3-Aug-07	Bismuth	µg/L	<40	40	avg=7.6, P99=60, high ND value	X+
SP0205	3-Aug-07	Bismuth	µg/L	<200	40	avg=7.6, P99=60, high ND value	X+
SP0205	16-Mar-06	Boron	µg/L	<5	1.5	avg=1.5, P99=2.5, high ND value	X+
SP0205	6-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.019, P99=0.058, high ND value	X+
SP0205	26-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.019, P99=0.058, high ND value	X+
SP0205	3-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.019, P99=0.058, high ND value	X+
SP0205	3-Aug-07	Silver	µg/L	<0.05	0.05	avg=0.0073, P99=0.028, high ND value	X+
SP0205	6-Sep-07	Silver	µg/L	<0.05	0.05	avg=0.0073, P99=0.028, high ND value	X+
SP0205	26-Oct-07	Silver	µg/L	<0.05	0.05	avg=0.0073, P99=0.028, high ND value	X+
SP0305	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.077, P99=0.29, high ND value	X+
SP0305	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.077, P99=0.29, high ND value	X+
SP0305	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.077, P99=0.29, high ND value	X+
SP0305	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0305	8-Sep-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0305	26-Oct-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0305	8-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.54, P99=1.4, high ND value	X+
SP0405	26-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0405	3-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0405	6-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0405	21-Jul-05	Boron	µg/L	<10	3.1	avg=2.1, P99=5.7, high ND value	X+
SP0605	25-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0605	6-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0605	3-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0605	6-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.1, P99=0.37, high ND value	X+
SP0605	25-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.1, P99=0.37, high ND value	X+
SP0605	3-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.1, P99=0.37, high ND value	X+
SP0705	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.082, P99=0.29, high ND value	X+
SP0705	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.082, P99=0.29, high ND value	X+
SP0705	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.082, P99=0.29, high ND value	X+
SP0705	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0705	6-Sep-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0705	25-Oct-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0705	28-Jun-06	Boron	µg/L	<5	1.5	avg=1.6, P99=2.6, high ND value	X+
SP0705	25-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.16, P99=0.33, high ND value	X+
SP0705	3-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.16, P99=0.33, high ND value	X+
SP0705	6-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.16, P99=0.33, high ND value	X+
SP0805	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.083, P99=0.31, high ND value	X+
SP0805	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.083, P99=0.31, high ND value	X+
SP0805	6-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.083, P99=0.31, high ND value	X+
SP0805	6-Aug-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP0805	8-Sep-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP0805	26-Oct-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP0805	21-Jul-05	Boron	µg/L	<10	3.1	avg=1.7, P99=4.9, high ND value	X+
SP0805	6-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.36, high ND value	X+
SP0805	8-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.36, high ND value	X+
SP0805	26-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.36, high ND value	X+
SP0905	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.29, high ND value	X+
SP0905	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.29, high ND value	X+
SP0905	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.29, high ND value	X+
SP0905	6-Sep-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP0905	3-Aug-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP0905	25-Oct-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP0905	6-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.48, P99=1.3, high ND value	X+
SP100	7-Aug-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP100	5-Sep-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP100	27-Oct-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP100	7-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.14, P99=0.29, high ND value	X+
SP100	5-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.14, P99=0.29, high ND value	X+
SP100	27-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.14, P99=0.29, high ND value	X+
SP100	7-Aug-07	Silver	µg/L	<0.05	0.05	avg=0.0077, P99=0.027, high ND value	X+
SP100	5-Sep-07	Silver	µg/L	<0.05	0.05	avg=0.0077, P99=0.027, high ND value	X+
SP100	27-Oct-07	Silver	µg/L	<0.05	0.05	avg=0.0077, P99=0.027, high ND value	X+
SP1005	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.27, high ND value	X+
SP1005	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.27, high ND value	X+
SP1005	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.27, high ND value	X+
SP1005	7-Sep-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP1005	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP1005	25-Oct-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP1005	20-Jul-05	Boron	µg/L	<10	3.1	avg=2, P99=4.6, high ND value	X+
SP1005	7-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.97, P99=1.7, high ND value	X+
SP1005	25-Oct-07	Molybdenum	µg/L	<3	0.5	avg=0.97, P99=1.7, high ND value	X+
SP109	9-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.23, high ND value	X+
SP109	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.23, high ND value	X+
SP109	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.23, high ND value	X+
SP109	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.23, high ND value	X+
SP109	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.5, P99=28, high ND value	X+
SP109	9-Aug-07	Bismuth	µg/L	<80	80	avg=4.5, P99=28, high ND value	X+
SP109	24-Oct-07	Bismuth	µg/L	<40	40	avg=4.5, P99=28, high ND value	X+
SP109	24-Oct-07	Manganese	µg/L	<0.5	0.5	avg=0.096, P99=0.3, high ND value	X+
SP109	9-Aug-07	Manganese	µg/L	<0.5	0.5	avg=0.096, P99=0.3, high ND value	X+
SP109	24-Oct-07	Manganese	µg/L	<0.5	0.5	avg=0.096, P99=0.3, high ND value	X+
SP109	7-Sep-07	Manganese	µg/L	<0.5	0.5	avg=0.096, P99=0.3, high ND value	X+
SP109	7-Sep-07	Manganese	µg/L	<0.5	0.5	avg=0.096, P99=0.3, high ND value	X+
SP109	7-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.57, P99=1.4, high ND value	X+
SP109	7-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.57, P99=1.4, high ND value	X+
SP109	24-Oct-07	Molybdenum	µg/L	<3	0.5	avg=0.57, P99=1.4, high ND value	X+
SP109	24-Oct-07	Silver	µg/L	<0.05	0.05	avg=0.0074, P99=0.028, high ND value	X+
SP109	24-Oct-07	Silver	µg/L	<0.05	0.05	avg=0.0074, P99=0.028, high ND value	X+
SP109	7-Sep-07	Silver	µg/L	<0.05	0.05	avg=0.0074, P99=0.028, high ND value	X+
SP109	7-Sep-07	Silver	µg/L	<0.05	0.05	avg=0.0074, P99=0.028, high ND value	X+
SP109	9-Aug-07	Silver	µg/L	<0.05	0.05	avg=0.0074, P99=0.028, high ND value	X+
SP1105	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.16, P99=0.27, high ND value	X+
SP1105	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.16, P99=0.27, high ND value	X+
SP1105	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.16, P99=0.27, high ND value	X+
SP1105	6-Sep-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1105	4-Aug-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1105	25-Oct-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1105	20-Jul-05	Boron	µg/L	<10	3.1	avg=2.3, P99=4.9, high ND value	X+
SP1105	25-Oct-07	Manganese	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP1105	4-Aug-07	Manganese	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP1105	6-Sep-07	Manganese	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP1105	25-Oct-07	Molybdenum	µg/L	<3	0.5	avg=0.75, P99=1.7, high ND value	X+
SP1105	6-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.75, P99=1.7, high ND value	X+
SP1205	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.16, P99=0.23, high ND value	X+
SP1205	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.16, P99=0.23, high ND value	X+
SP1205	20-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.16, P99=0.23, high ND value	X+
SP1205	8-Sep-07	Bismuth	µg/L	<40	40	avg=9.5, P99=64, high ND value	X+
SP1205	4-Aug-07	Bismuth	µg/L	<40	40	avg=9.5, P99=64, high ND value	X+
SP1205	20-Oct-07	Bismuth	µg/L	<40	40	avg=9.5, P99=64, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP1205	4-Aug-07	Bismuth	µg/L	<200	40	avg=9.5, P99=64, high ND value	X+
SP1205	20-Jul-05	Boron	µg/L	<10	3.1	avg=1.8, P99=3.9, high ND value	X+
SP1205	4-Aug-07	Manganese	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP1205	8-Sep-07	Manganese	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP1205	20-Oct-07	Manganese	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP1305	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.26, high ND value	X+
SP1305	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.26, high ND value	X+
SP1305	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.26, high ND value	X+
SP1305	4-Aug-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1305	6-Sep-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1305	25-Oct-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1405	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.078, P99=0.23, high ND value	X+
SP1405	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.078, P99=0.23, high ND value	X+
SP1405	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.078, P99=0.23, high ND value	X+
SP1405	24-Oct-07	Bismuth	µg/L	<40	40	avg=3.9, P99=23, high ND value	X+
SP1405	6-Sep-07	Bismuth	µg/L	<40	40	avg=3.9, P99=23, high ND value	X+
SP1405	4-Aug-07	Bismuth	µg/L	<40	40	avg=3.9, P99=23, high ND value	X+
SP1405	6-Sep-07	Manganese	µg/L	<0.5	0.5	avg=0.12, P99=0.33, high ND value	X+
SP1405	16-Sep-04	Manganese	µg/L	<0.5	0.5	avg=0.12, P99=0.33, high ND value	X+
SP1405	24-Oct-07	Manganese	µg/L	<0.5	0.5	avg=0.12, P99=0.33, high ND value	X+
SP1405	4-Aug-07	Manganese	µg/L	<0.5	0.5	avg=0.12, P99=0.33, high ND value	X+
SP1405	24-Oct-07	Vanadium	µg/L	<1	0.2	avg=0.26, P99=0.56, high ND value	X+
SP1505	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.29, high ND value	X+
SP1505	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.29, high ND value	X+
SP1505	6-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.29, high ND value	X+
SP1505	26-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1505	6-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1505	8-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1505	8-Sep-07	Cobalt	µg/L	<0.05	0.05	avg=0.016, P99=0.035, high ND value	X+
SP1505	6-Aug-07	Cobalt	µg/L	<0.05	0.05	avg=0.016, P99=0.035, high ND value	X+
SP1505	26-Oct-07	Cobalt	µg/L	<0.05	0.05	avg=0.016, P99=0.035, high ND value	X+
SP1505	8-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.5, P99=1.4, high ND value	X+
SP1705	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.094, P99=0.25, high ND value	X+
SP1705	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.094, P99=0.25, high ND value	X+
SP1705	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.094, P99=0.25, high ND value	X+
SP1705	24-Oct-07	Bismuth	µg/L	<40	40	avg=4.7, P99=25, high ND value	X+
SP1705	4-Aug-07	Bismuth	µg/L	<40	40	avg=4.7, P99=25, high ND value	X+
SP1705	6-Sep-07	Bismuth	µg/L	<40	40	avg=4.7, P99=25, high ND value	X+
SP1705	16-Sep-04	Manganese	µg/L	<1	0.5	avg=0.22, P99=0.52, high ND value	X+
SP1805	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.22, high ND value	X+
SP1805	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.22, high ND value	X+
SP1805	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.22, high ND value	X+
SP1805	24-Oct-07	Bismuth	µg/L	<40	40	avg=3.1, P99=20, high ND value	X+
SP1805	4-Aug-07	Bismuth	µg/L	<40	40	avg=3.1, P99=20, high ND value	X+
SP1805	6-Sep-07	Bismuth	µg/L	<40	40	avg=3.1, P99=20, high ND value	X+
SP1805	4-Aug-07	Silver	µg/L	<0.05	0.05	avg=0.0071, P99=0.026, high ND value	X+
SP1805	6-Sep-07	Silver	µg/L	<0.05	0.05	avg=0.0071, P99=0.026, high ND value	X+
SP1805	24-Oct-07	Silver	µg/L	<0.05	0.05	avg=0.0071, P99=0.026, high ND value	X+
SP1905	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.26, high ND value	X+
SP1905	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.26, high ND value	X+
SP1905	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.26, high ND value	X+
SP1905	24-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1905	4-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1905	6-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1905	28-Jun-06	Boron	µg/L	<5	1.5	avg=1.6, P99=2.7, high ND value	X+
SP2005	24-Oct-07	Bismuth	µg/L	<40	40	avg=11, P99=48, high ND value	X+
SP2005	4-Aug-07	Bismuth	µg/L	<40	40	avg=11, P99=48, high ND value	X+
SP2005	5-Sep-07	Bismuth	µg/L	<80	80	avg=11, P99=48, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP2005	24-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.39, high ND value	X+
SP2005	4-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.39, high ND value	X+
SP2005	5-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.39, high ND value	X+
SP2105	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.084, P99=0.29, high ND value	X+
SP2105	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.084, P99=0.29, high ND value	X+
SP2105	5-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.084, P99=0.29, high ND value	X+
SP2105	24-Oct-07	Bismuth	µg/L	<40	40	avg=8.9, P99=43, high ND value	X+
SP2105	5-Sep-07	Bismuth	µg/L	<80	80	avg=8.9, P99=43, high ND value	X+
SP2105	4-Aug-07	Bismuth	µg/L	<40	40	avg=8.9, P99=43, high ND value	X+
SP2105	5-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP2105	4-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP2105	24-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.13, P99=0.34, high ND value	X+
SP2205	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.07, P99=0.26, high ND value	X+
SP2205	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.07, P99=0.26, high ND value	X+
SP2205	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.07, P99=0.26, high ND value	X+
SP2205	4-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2205	8-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2205	24-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2205	24-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.019, P99=0.062, high ND value	X+
SP2205	8-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.019, P99=0.062, high ND value	X+
SP2205	4-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.019, P99=0.062, high ND value	X+
SP2205	8-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.22, P99=0.28, high ND value	X+
SP2205	24-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.22, P99=0.28, high ND value	X+
SP2205	4-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.22, P99=0.28, high ND value	X+
SP2305	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.059, P99=0.25, high ND value	X+
SP2305	5-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.059, P99=0.25, high ND value	X+
SP2305	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.059, P99=0.25, high ND value	X+
SP2305	26-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2305	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2305	5-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2305	26-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.025, P99=0.061, high ND value	X+
SP2305	5-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.025, P99=0.061, high ND value	X+
SP2305	7-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.025, P99=0.061, high ND value	X+
SP2405	5-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.09, P99=0.31, high ND value	X+
SP2405	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.09, P99=0.31, high ND value	X+
SP2405	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.09, P99=0.31, high ND value	X+
SP2405	26-Oct-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2405	8-Sep-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2405	5-Aug-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2405	21-Jul-05	Boron	µg/L	<10	3.1	avg=1.6, P99=4.7, high ND value	X+
SP2405	8-Sep-07	Nickel	µg/L	<3	0.6	avg=0.81, P99=1.8, high ND value	X+
SP2505	6-Aug-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2505	26-Oct-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2505	8-Sep-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2505	20-Jul-05	Boron	µg/L	<10	3.1	avg=2, P99=5.8, high ND value	X+
SP2505	8-Sep-07	Molybdenum	µg/L	<3	0.5	avg=0.49, P99=1.5, high ND value	X+
SP26	2-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP26	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP26	21-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP26	21-Oct-07	Cadmium	µg/L	<0.5	0.1	avg=0.15, P99=0.29, high ND value	X+
SP26	2-Aug-07	Silver	µg/L	<0.5	0.5	avg=0.026, P99=0.18, high ND value	X+
SP30	7-Aug-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP30	4-Sep-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP30	21-Oct-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP31	27-Oct-07	Bismuth	µg/L	<40	40	avg=4.5, P99=24, high ND value	X+
SP31	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.5, P99=24, high ND value	X+
SP31	8-Aug-07	Bismuth	µg/L	<40	40	avg=4.5, P99=24, high ND value	X+
SP31	27-Oct-07	Zinc	µg/L	<10	2	avg=1.8, P99=4.8, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP37	5-Aug-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP37	4-Sep-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP37	23-Oct-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP37	5-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.033, P99=0.08, high ND value	X+
SP37	4-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.033, P99=0.08, high ND value	X+
SP37	23-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.033, P99=0.08, high ND value	X+
SP37	5-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.16, P99=0.41, high ND value	X+
SP37	4-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.16, P99=0.41, high ND value	X+
SP37	23-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.16, P99=0.41, high ND value	X+
SP39	5-Sep-07	Bismuth	µg/L	<40	40	avg=8.9, P99=33, high ND value	X+
SP39	27-Oct-07	Bismuth	µg/L	<40	40	avg=8.9, P99=33, high ND value	X+
SP39	5-Aug-07	Bismuth	µg/L	<40	40	avg=8.9, P99=33, high ND value	X+
SP39	5-Sep-07	Iron	µg/L	<50	20	avg=9.8, P99=25, high ND value	X+
SP40	8-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.043, P99=0.2, high ND value	X+
SP40	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.043, P99=0.2, high ND value	X+
SP40	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.043, P99=0.2, high ND value	X+
SP40	8-Aug-07	Bismuth	µg/L	<40	40	avg=2.9, P99=20, high ND value	X+
SP40	7-Sep-07	Bismuth	µg/L	<40	40	avg=2.9, P99=20, high ND value	X+
SP40	24-Oct-07	Bismuth	µg/L	<40	40	avg=2.9, P99=20, high ND value	X+
SP40	7-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.016, P99=0.051, high ND value	X+
SP40	24-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.016, P99=0.051, high ND value	X+
SP40	8-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.016, P99=0.051, high ND value	X+
SP41	27-Oct-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP41	7-Sep-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP41	2-Aug-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP41	27-Oct-07	Cadmium	µg/L	<0.5	0.1	avg=0.11, P99=0.24, high ND value	X+
SP41	7-Sep-07	Silver	µg/L	<0.05	0.05	avg=0.012, P99=0.031, high ND value	X+
SP41	2-Aug-07	Silver	µg/L	<0.05	0.05	avg=0.012, P99=0.031, high ND value	X+
SP41	27-Oct-07	Silver	µg/L	<0.05	0.05	avg=0.012, P99=0.031, high ND value	X+
SP53	6-Aug-07	Bismuth	µg/L	<40	40	avg=4.3, P99=24, high ND value	X+
SP53	5-Sep-07	Bismuth	µg/L	<40	40	avg=4.3, P99=24, high ND value	X+
SP53	21-Oct-07	Bismuth	µg/L	<40	40	avg=4.3, P99=24, high ND value	X+
SP53	6-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.18, P99=0.3, high ND value	X+
SP53	5-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.18, P99=0.3, high ND value	X+
SP53	21-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.18, P99=0.3, high ND value	X+
SP57	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.056, P99=0.23, high ND value	X+
SP57	8-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.056, P99=0.23, high ND value	X+
SP57	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.056, P99=0.23, high ND value	X+
SP57	7-Sep-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP57	24-Oct-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP57	8-Aug-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP57	7-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.15, P99=0.28, high ND value	X+
SP57	8-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.15, P99=0.28, high ND value	X+
SP57	24-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.15, P99=0.28, high ND value	X+
SP62	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP62	2-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP62	21-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP62	21-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.024, P99=0.061, high ND value	X+
SP62	7-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.024, P99=0.061, high ND value	X+
SP62	2-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.024, P99=0.061, high ND value	X+
SP62	21-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.15, P99=0.32, high ND value	X+
SP62	2-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.15, P99=0.32, high ND value	X+
SP62	7-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.15, P99=0.32, high ND value	X+
SP64	8-Aug-07	Bismuth	µg/L	<40	40	avg=13, P99=37, high ND value	X+
SP64	24-Oct-07	Bismuth	µg/L	<40	40	avg=13, P99=37, high ND value	X+
SP64	7-Sep-07	Bismuth	µg/L	<40	40	avg=13, P99=37, high ND value	X+
SP64	24-Oct-07	Manganese	µg/L	<0.5	0.5	avg=0.2, P99=0.37, high ND value	X+
SP64	8-Aug-07	Manganese	µg/L	<0.5	0.5	avg=0.2, P99=0.37, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP64	7-Sep-07	Manganese	µg/L	<0.5	0.5	avg=0.2, P99=0.37, high ND value	X+
SP64	24-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.22, P99=0.32, high ND value	X+
SP64	8-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.22, P99=0.32, high ND value	X+
SP64	7-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.22, P99=0.32, high ND value	X+
SP66	2-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP66	6-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP66	27-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP66	2-Aug-07	Molybdenum	µg/L	<0.5	0.5	avg=0.11, P99=0.32, high ND value	X+
SP66	6-Sep-07	Molybdenum	µg/L	<0.5	0.5	avg=0.11, P99=0.32, high ND value	X+
SP66	27-Oct-07	Molybdenum	µg/L	<0.5	0.5	avg=0.11, P99=0.32, high ND value	X+
SP71	6-Sep-07	Bismuth	µg/L	<40	40	avg=10, P99=35, high ND value	X+
SP71	26-Oct-07	Bismuth	µg/L	<40	40	avg=10, P99=35, high ND value	X+
SP71	3-Aug-07	Bismuth	µg/L	<40	40	avg=10, P99=35, high ND value	X+
SP75	27-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.27, high ND value	X+
SP75	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.27, high ND value	X+
SP75	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.27, high ND value	X+
SP75	27-Oct-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP75	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP75	6-Sep-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP75	27-Oct-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP75	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP75	3-Aug-07	Nickel	µg/L	<0.6	0.6	avg=0.27, P99=0.43, high ND value	X+
SP75	6-Sep-07	Nickel	µg/L	<0.6	0.6	avg=0.27, P99=0.43, high ND value	X+
SP75	27-Oct-07	Nickel	µg/L	<0.6	0.6	avg=0.27, P99=0.43, high ND value	X+
SP84	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.24, high ND value	X+
SP84	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.24, high ND value	X+
SP84	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.24, high ND value	X+
SP84	4-Aug-07	Bismuth	µg/L	<40	40	avg=3.8, P99=23, high ND value	X+
SP84	8-Sep-07	Bismuth	µg/L	<40	40	avg=3.8, P99=23, high ND value	X+
SP84	25-Oct-07	Bismuth	µg/L	<40	40	avg=3.8, P99=23, high ND value	X+
UT100A	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.9, high ND value	X+
UT100A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.9, high ND value	X+
UT100A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.17, P99=0.75	X+
UT100A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.9, high ND value	X+
UT100A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.9, high ND value	X+
UT100A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.9, high ND value	X+
UT100A	20-May-04	Boron	µg/L	<10	3.1	avg=1.8, P99=4.6, high ND value	X+
UT100A	1-May-04	Boron	µg/L	<10	3.1	avg=1.8, P99=4.6, high ND value	X+
UT100A	11-Jul-05	Boron	µg/L	<10	3.1	avg=1.8, P99=4.6, high ND value	X+
UT100A	15-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.015, high ND value	X+
UT100A	26-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.015, high ND value	X+
UT100A	15-Oct-04	Thallium	µg/L	<0.02	0.004	avg=0.0062, P99=0.015, high ND value	X+
UT100A	16-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.015, high ND value	X+
UT100A	20-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.015, high ND value	X+
UT100A	1-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.015, high ND value	X+
UT100A	15-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.015, high ND value	X+
UT100A	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.065, P99=0.18, high ND value	X+
UT100A	16-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.065, P99=0.18, high ND value	X+
UT100A	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.065, P99=0.18, high ND value	X+
UT100A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.065, P99=0.18, high ND value	X+
UT100A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.065, P99=0.18, high ND value	X+
UT100A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.065, P99=0.18, high ND value	X+
UT100APC1	12-Dec-07	Antimony	µg/L	<0.4	0.4	avg=0.045, P99=0.11, high ND value	X+
UT100APC1	12-Dec-07	Bismuth	µg/L	<80	80	avg=0.94, P99=15, high ND value	X+
UT100APC1	29-Jul-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.4, high ND value	X+
UT100APC1	20-Aug-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.4, high ND value	X+
UT100APC1	12-Dec-07	Cadmium	µg/L	<0.1	0.1	avg=0.0069, P99=0.029, high ND value	X+
UT100APC1	12-Dec-07	Cobalt	µg/L	<0.3	0.05	avg=0.036, P99=0.09, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
UT100APC2	15-Nov-07	Antimony	µg/L	<0.4	0.4	avg=0.044, P99=0.13, high ND value	X+
UT100APC2	21-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.044, P99=0.13, high ND value	X+
UT100APC2	15-Nov-07	Bismuth	µg/L	<80	80	avg=1.4, P99=17, high ND value	X+
UT100APC2	21-Aug-07	Bismuth	µg/L	<40	40	avg=1.4, P99=17, high ND value	X+
UT100APC2	29-Jul-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.5, high ND value	X+
UT100APC2	20-Aug-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.5, high ND value	X+
UT100APC2	15-Nov-07	Cadmium	µg/L	<0.1	0.1	avg=0.0098, P99=0.045, high ND value	X+
UT100APC2	21-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.0098, P99=0.045, high ND value	X+
UT100APC2	15-Nov-07	Cobalt	µg/L	<0.3	0.05	avg=0.036, P99=0.083, high ND value	X+
UT100APC2	15-Nov-07	Lead	µg/L	<0.1	0.1	avg=0.021, P99=0.06, high ND value	X+
UT100APC2	21-Aug-07	Lead	µg/L	<0.1	0.1	avg=0.021, P99=0.06, high ND value	X+
UT100APC2	15-Nov-07	Vanadium	µg/L	<1	0.2	avg=0.38, P99=0.57, high ND value	X+
UT100APC3	27-Mar-08	Bismuth	µg/L	<0.1	0.1	avg=0.0094, P99=0.033, high ND value	X+
UT100APC3	27-Mar-08	Bismuth	µg/L	<0.1	0.1	avg=0.0094, P99=0.033, high ND value	X+
UT100APC3	20-Aug-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.5, high ND value	X+
UT100APC3	29-Jul-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.5, high ND value	X+
UT100B	20-May-04	Bismuth	µg/L	<3.75	3.75	avg=0.11, P99=0.83, high ND value	X+
UT100B	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	14-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.83, high ND value	X+
UT100B	20-May-04	Thallium	µg/L	<0.0625	0.0625	avg=0.0059, P99=0.018, high ND value	X+
UT100B	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.22, high ND value	X+
UT100B	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.22, high ND value	X+
UT100B	30-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.22, high ND value	X+
UT100B	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.22, high ND value	X+
UT100B	16-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.22, high ND value	X+
UT100B	16-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.22, high ND value	X+
UT100B	14-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.22, high ND value	X+
UT100B	20-May-04	Tin	µg/L	<0.775	0.775	avg=0.06, P99=0.22, high ND value	X+
UT100C	20-May-04	Antimony	µg/L	<0.5	0.193	avg=0.044, P99=0.13, high ND value	X+
UT100C	20-May-04	Bismuth	µg/L	<3.75	3.75	avg=0.091, P99=0.91, high ND value	X+
UT100C	2-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.91, high ND value	X+
UT100C	2-May-04	Cadmium	µg/L	<0.031	0.031	avg=0.008, P99=0.019, high ND value	X+
UT100C	20-May-04	Cadmium	µg/L	<0.0775	0.0775	avg=0.008, P99=0.019, high ND value	X+
UT100C	20-May-04	Lead	µg/L	<0.25	0.25	avg=0.029, P99=0.08, high ND value	X+
UT100C	20-May-04	Thallium	µg/L	<0.0625	0.0625	avg=0.006, P99=0.018, high ND value	X+
UT100C	2-May-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.21, high ND value	X+
UT100C	20-May-04	Tin	µg/L	<0.775	0.775	avg=0.06, P99=0.21, high ND value	X+
UT100D	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	11-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.1, high ND value	X+
UT100D	25-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
UT100D	17-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
UT100D	20-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
UT100D	15-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
UT100D	30-Apr-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
UT100D	18-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+
UT100D	17-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0056, P99=0.013, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
UT100D	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
UT100D	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
UT100D	17-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
UT100D	30-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
UT100D	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
UT100D	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
UT100D	18-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
UT100E	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100E	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100E	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100E	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100E	25-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.75	X+
UT100E	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100E	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100E	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100E	2-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.75	X+
UT100E	12-Sep-05	Boron	µg/L	<10	3.1	avg=1.8, P99=4.2, high ND value	X+
UT100E	2-May-04	Boron	µg/L	<10	3.1	avg=1.8, P99=4.2, high ND value	X+
UT100E	11-Jul-05	Boron	µg/L	<10	3.1	avg=1.8, P99=4.2, high ND value	X+
UT100E	15-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.01, P99=0.027, high ND value	X+
UT100E	30-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	17-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	18-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	2-May-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT100E	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
UT106APC1	29-Jul-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.4, high ND value	X+
UT106APC1	21-Aug-08	Boron	µg/L	<5	0.2	avg=1.5, P99=2.4, high ND value	X+
UT119A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	17-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0049, P99=0.011, high ND value	X+
UT119A	17-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0049, P99=0.011, high ND value	X+
UT119A	20-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0049, P99=0.011, high ND value	X+
UT119A	15-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0049, P99=0.011, high ND value	X+
UT119A	26-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0049, P99=0.011, high ND value	X+
UT119A	30-Apr-04	Thallium	µg/L	<0.025	0.025	avg=0.0049, P99=0.011, high ND value	X+
UT119A	16-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0049, P99=0.011, high ND value	X+
UT119A	30-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.19, high ND value	X+
UT119A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.19, high ND value	X+
UT119A	16-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.19, high ND value	X+
UT119A	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.19, high ND value	X+
UT119A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.19, high ND value	X+
UT119A	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.19, high ND value	X+
UT119B	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
UT119B	15-Aug-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.5, high ND value	X+
UT119B	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.5, high ND value	X+
UT119B	16-Sep-04	Molybdenum	µg/L	<0.31	0.31	avg=0.094, P99=0.31, high ND value	X+
UT119B	26-Aug-04	Molybdenum	µg/L	<0.31	0.31	avg=0.094, P99=0.31, high ND value	X+
UT119B	15-Jul-04	Molybdenum	µg/L	<0.31	0.31	avg=0.094, P99=0.31, high ND value	X+
UT119B	15-Oct-04	Molybdenum	µg/L	<0.31	0.31	avg=0.094, P99=0.31, high ND value	X+
UT119B	17-Jun-04	Molybdenum	µg/L	<0.31	0.31	avg=0.094, P99=0.31, high ND value	X+
UT119B	20-May-04	Molybdenum	µg/L	<0.31	0.31	avg=0.094, P99=0.31, high ND value	X+
UT119B	30-Apr-04	Molybdenum	µg/L	<0.31	0.31	avg=0.094, P99=0.31, high ND value	X+
UT119B	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
UT119B	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
UT119B	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
UT119B	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
UT119B	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
UT119B	30-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
UT119B	16-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.16, high ND value	X+
UT135A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.82, high ND value	X+
UT135A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.82, high ND value	X+
UT135A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.82, high ND value	X+
UT135A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.82, high ND value	X+
UT135A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.82, high ND value	X+
UT135A	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.82, high ND value	X+
UT135A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.82, high ND value	X+
UT135A	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.7, P99=3.5, high ND value	X+
UT135A	16-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0058, P99=0.014, high ND value	X+
UT135A	25-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0058, P99=0.014, high ND value	X+
UT135A	15-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0058, P99=0.014, high ND value	X+
UT135A	17-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0058, P99=0.014, high ND value	X+
UT135A	15-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0058, P99=0.014, high ND value	X+
UT135A	20-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0058, P99=0.014, high ND value	X+
UT135A	1-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0058, P99=0.014, high ND value	X+
UT135A	16-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.17, high ND value	X+
UT135A	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.17, high ND value	X+
UT135A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.17, high ND value	X+
UT135A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.17, high ND value	X+
UT135A	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.17, high ND value	X+
UT135A	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.17, high ND value	X+
UT135A	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.062, P99=0.17, high ND value	X+
UT138A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	21-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	21-May-04	Bismuth	µg/L	<3.75	3.75	avg=0.18, P99=1.1, high ND value	X+
UT138A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT138A	1-May-04	Boron	µg/L	<10	3.1	avg=1.7, P99=3.7, high ND value	X+
UT138A	17-Aug-05	Boron	µg/L	<10	3.1	avg=1.7, P99=3.7, high ND value	X+
UT138A	21-May-04	Molybdenum	µg/L	<0.775	0.775	avg=0.13, P99=0.25, high ND value	X+
UT138A	17-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+
UT138A	25-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+
UT138A	17-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+
UT138A	15-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+
UT138A	21-May-04	Thallium	µg/L	<0.0625	0.0625	avg=0.0062, P99=0.018, high ND value	X+
UT138A	17-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+
UT138A	21-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+
UT138A	1-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+

Table 9.1D-3
List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
UT138A	15-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0062, P99=0.018, high ND value	X+
UT138A	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT138A	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT138A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT138A	21-May-04	Tin	µg/L	<0.775	0.775	avg=0.066, P99=0.22, high ND value	X+
UT138A	21-May-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT138A	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT138A	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT138A	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT138A	17-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.066, P99=0.22, high ND value	X+
UT141A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
UT141A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
UT141A	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
UT141A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
UT141A	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
UT141A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
UT141A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
UT141A	15-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.012, P99=0.035, high ND value	X+
UT141A	15-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
UT141A	25-Aug-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
UT141A	17-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
UT141A	15-Jul-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
UT141A	17-Jun-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
UT141A	20-May-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
UT141A	30-Apr-04	Thallium	µg/L	<0.025	0.025	avg=0.0057, P99=0.014, high ND value	X+
UT141A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.059, P99=0.16, high ND value	X+
UT141A	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.059, P99=0.16, high ND value	X+
UT141A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.059, P99=0.16, high ND value	X+
UT141A	17-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.059, P99=0.16, high ND value	X+
UT141A	30-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.059, P99=0.16, high ND value	X+
UT141A	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.059, P99=0.16, high ND value	X+
UT141A	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.059, P99=0.16, high ND value	X+
UT146A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	17-Sep-04	Molybdenum	µg/L	<0.31	0.31	avg=0.098, P99=0.2, high ND value	X+
UT146A	25-Aug-04	Molybdenum	µg/L	<0.31	0.31	avg=0.098, P99=0.2, high ND value	X+
UT146A	16-Oct-04	Molybdenum	µg/L	<0.31	0.31	avg=0.098, P99=0.2, high ND value	X+
UT146A	15-Jul-04	Molybdenum	µg/L	<0.31	0.31	avg=0.098, P99=0.2, high ND value	X+
UT146A	20-May-04	Molybdenum	µg/L	<0.31	0.31	avg=0.098, P99=0.2, high ND value	X+
UT146A	30-Apr-04	Molybdenum	µg/L	<0.31	0.31	avg=0.098, P99=0.2, high ND value	X+
UT146A	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
UT146A	25-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
UT146A	17-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
UT146A	17-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
UT146A	30-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
UT146A	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+
UT146A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.057, P99=0.15, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
B03	21-Sep-07	Bismuth	µg/L	<80	80	avg=6.7, P99=43, high ND value	X+
B03	21-Sep-07	Chromium	µg/L	<5	5	avg=0.67, P99=2.7, high ND value	X+
B03	21-Sep-07	Chromium	µg/L	<5	5	avg=0.67, P99=2.7, high ND value	X+
B09	22-Sep-07	Beryllium	µg/L	<0.1	0.1	avg=0.013, P99=0.053, high ND value	X+
B09	22-Nov-07	Beryllium	µg/L	<0.1	0.1	avg=0.013, P99=0.053, high ND value	X+
B09	22-Sep-07	Bismuth	µg/L	<40	40	avg=1.4, P99=14, high ND value	X+
B09	22-Sep-07	Nickel	µg/L	<3	3	avg=0.62, P99=1.5, high ND value	X+
KC100A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.71, high ND value	X+
KC100A	23-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
KC100A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
KC100A	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
KC100A	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
KC100A	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
KC100A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
KC100A	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.056, P99=0.15, high ND value	X+
KR100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.76, high ND value	X+
KR100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.76, high ND value	X+
KR100A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.76, high ND value	X+
KR100A	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.76, high ND value	X+
KR100A	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.76, high ND value	X+
KR100A	29-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.76, high ND value	X+
KR100A	27-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.76, high ND value	X+
NH100APC1	20-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.051, P99=0.14, high ND value	X+
NH100APC1	19-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.051, P99=0.14, high ND value	X+
NH100APC1	20-Sep-07	Beryllium	µg/L	<0.1	0.1	avg=0.0073, P99=0.032, high ND value	X+
NH100APC1	19-Oct-07	Beryllium	µg/L	<0.1	0.1	avg=0.0073, P99=0.032, high ND value	X+
NH100APC1	20-Sep-07	Bismuth	µg/L	<80	80	avg=1.5, P99=18, high ND value	X+
NH100APC1	19-Oct-07	Bismuth	µg/L	<40	40	avg=1.5, P99=18, high ND value	X+
NH100APC1	20-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.016, P99=0.062, high ND value	X+
NH100APC1	19-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.016, P99=0.062, high ND value	X+
NK100A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.085, P99=0.62, high ND value	X+
NK100B	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.05, P99=0.45, high ND value	X+
NK100B	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.05, P99=0.45, high ND value	X+
NK100B	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.05, P99=0.45, high ND value	X+
NK100B	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.048, P99=0.12, high ND value	X+
NK100B	18-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.048, P99=0.12, high ND value	X+
NK100B	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.048, P99=0.12, high ND value	X+
NK100C	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.67, high ND value	X+
NK100C	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.67, high ND value	X+
NK100C	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.67, high ND value	X+
NK100C	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.67, high ND value	X+
NK100C	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.67, high ND value	X+
NK100C	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.67, high ND value	X+
NK119A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.082, P99=0.6, high ND value	X+
NK119A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.082, P99=0.6, high ND value	X+
NK119A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.082, P99=0.6, high ND value	X+
NK119A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.082, P99=0.6, high ND value	X+
NK119A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.082, P99=0.6, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
NK119A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.082, P99=0.6, high ND value	X+
NK119A	15-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.14, high ND value	X+
NK119A	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.14, high ND value	X+
NK119A	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.14, high ND value	X+
NK119A	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.14, high ND value	X+
NK119A	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.14, high ND value	X+
NK119A	17-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.052, P99=0.14, high ND value	X+
NK119B	14-Jul-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.22, P99=1	X+
NK119B	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.22, P99=1, high ND value	X+
NK119B	21-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.22, P99=1	X+
NK119B	15-Jun-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.22, P99=1	X+
NK119B	15-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.22, P99=1	X+
NK119B	21-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.22, P99=1	X+
NK119B	24-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.22, P99=1	X+
NK119B	18-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.22, P99=1	X+
NK119B	18-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.31, high ND value	X+
NK119B	15-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.31, high ND value	X+
NK119B	21-May-04	Tin	µg/L	<1	0.31	avg=0.079, P99=0.31, high ND value	X+
NK119B	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.31, high ND value	X+
NK119B	21-May-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.31, high ND value	X+
NK119B	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.31, high ND value	X+
NK119B	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.31, high ND value	X+
NK119B	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.079, P99=0.31, high ND value	X+
SK100A	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.63, high ND value	X+
SK100A	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.63, high ND value	X+
SK100A	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.63, high ND value	X+
SK100A	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.63, high ND value	X+
SK100A	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.63, high ND value	X+
SK100A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.63, high ND value	X+
SK100A	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.091, P99=0.63, high ND value	X+
SK100B	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	13-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	13-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
SK100B	22-Jul-06	Silver	µg/L	<0.062	0.062	avg=0.0039, P99=0.013, high ND value	X+
SK100B	13-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100B	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100B	13-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100B	23-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100B	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100B	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100B	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100B	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.053, P99=0.15, high ND value	X+
SK100C	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.76, high ND value	X+
SK100C	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.76, high ND value	X+
SK100C	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.76, high ND value	X+
SK100C	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.76, high ND value	X+
SK100C	22-Jul-06	Silver	µg/L	<0.062	0.062	avg=0.0057, P99=0.02, high ND value	X+
SK100C	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.16, high ND value	X+
SK100C	13-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.16, high ND value	X+
SK100C	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.16, high ND value	X+
SK100C	15-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.06, P99=0.16, high ND value	X+
SK100D	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100D	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100D	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SK100D	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100D	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100D	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100D	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.78, high ND value	X+
SK100D	28-Apr-04	Boron	µg/L	<10	3.1	avg=1.7, P99=4.1, high ND value	X+
SK100D	19-Aug-05	Boron	µg/L	<10	3.1	avg=1.7, P99=4.1, high ND value	X+
SK100D	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.063, P99=0.17, high ND value	X+
SK100D	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.063, P99=0.17, high ND value	X+
SK100D	23-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.063, P99=0.17, high ND value	X+
SK100D	28-Apr-04	Tin	µg/L	<0.31	0.31	avg=0.063, P99=0.17, high ND value	X+
SK100D	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.063, P99=0.17, high ND value	X+
SK100D	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.063, P99=0.17, high ND value	X+
SK100D	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.063, P99=0.17, high ND value	X+
SK100F	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.094, P99=0.65, high ND value	X+
SK100F	14-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.094, P99=0.65, high ND value	X+
SK100F	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.094, P99=0.65, high ND value	X+
SK100F	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.094, P99=0.65, high ND value	X+
SK100F	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.094, P99=0.65, high ND value	X+
SK100F	24-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.094, P99=0.65, high ND value	X+
SK100F	9-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.5, high ND value	X+
SK100F	14-Jul-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK100F	24-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK100F	14-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK100F	16-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK100F	18-May-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK100F	16-Jun-04	Tin	µg/L	<0.31	0.31	avg=0.055, P99=0.15, high ND value	X+
SK100G	15-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100G	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100G	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100G	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100G	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100G	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100G	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100G	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.12, P99=0.74, high ND value	X+
SK100H	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100H	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100H	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100H	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100H	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100H	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100H	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100H	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.14, P99=0.81, high ND value	X+
SK100I	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	14-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK100I	18-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.86, high ND value	X+
SK119A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK119A	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK119A	23-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK119A	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK119A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK119A	28-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK119A	13-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.13, P99=0.77, high ND value	X+
SK119A	11-Dec-06	Boron	µg/L	<12.5	12.5	avg=1.7, P99=4.7, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SK119A	11-Dec-06	Cadmium	µg/L	<0.185	0.185	avg=0.013, P99=0.044, high ND value	X+
SK131A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.65, high ND value	X+
SK131A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.65, high ND value	X+
SK131A	15-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.65, high ND value	X+
SK131A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.65, high ND value	X+
SK131A	16-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.65, high ND value	X+
SK131A	19-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.65, high ND value	X+
SK131A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.098, P99=0.65, high ND value	X+
SK131A	12-Sep-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.9, high ND value	X+
SK131A	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.9, high ND value	X+
SK133A	16-Jun-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	19-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	14-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	19-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	1-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.15, P99=0.84	X+
SK133A	12-Sep-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.4, high ND value	X+
SK133A	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.4, high ND value	X+
SK133A	27-Oct-05	Silver	µg/L	<0.02	0.0062	avg=0.0033, P99=0.0066, high ND value	X+
SK134A	13-Jul-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	16-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	16-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	14-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	16-Jun-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	1-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	18-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.11, P99=0.71	X+
SK134A	10-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.5, high ND value	X+
SK134A	16-Aug-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.5, high ND value	X+
SK134A	22-Jul-06	Silver	µg/L	<0.062	0.062	avg=0.0049, P99=0.017, high ND value	X+
SP0105	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.093, P99=0.22, high ND value	X+
SP0105	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.093, P99=0.22, high ND value	X+
SP0105	6-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.093, P99=0.22, high ND value	X+
SP0105	6-Sep-07	Bismuth	µg/L	<40	40	avg=3, P99=20, high ND value	X+
SP0105	6-Aug-07	Bismuth	µg/L	<40	40	avg=3, P99=20, high ND value	X+
SP0105	26-Oct-07	Bismuth	µg/L	<40	40	avg=3, P99=20, high ND value	X+
SP0105	7-Oct-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.9, high ND value	X+
SP0105	20-Jul-05	Boron	µg/L	<10	3.1	avg=1.5, P99=3.9, high ND value	X+
SP0105	7-Oct-05	Fluoride	mg/L	<0.1	0.031	avg=0.026, P99=0.065, high ND value	X+
SP0105	7-Oct-05	Fluoride	mg/L	<0.1	0.031	avg=0.026, P99=0.065, high ND value	X+
SP0105	6-Sep-07	Fluoride	mg/L	<0.1	0.1	avg=0.026, P99=0.065, high ND value	X+
SP0105	6-Aug-07	Fluoride	mg/L	<0.1	0.1	avg=0.026, P99=0.065, high ND value	X+
SP0105	26-Oct-07	Fluoride	mg/L	<0.1	0.1	avg=0.026, P99=0.065, high ND value	X+
SP0105	6-Sep-07	Fluoride	mg/L	<0.1	0.1	avg=0.026, P99=0.065, high ND value	X+
SP0205	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.41, high ND value	X+
SP0205	26-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.41, high ND value	X+
SP0205	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.41, high ND value	X+
SP0205	26-Oct-07	Bismuth	µg/L	<40	40	avg=3.6, P99=22, high ND value	X+
SP0205	6-Sep-07	Bismuth	µg/L	<40	40	avg=3.6, P99=22, high ND value	X+
SP0205	3-Aug-07	Bismuth	µg/L	<40	40	avg=3.6, P99=22, high ND value	X+
SP0205	16-Mar-06	Boron	µg/L	<5	1.5	avg=1.4, P99=2.5, high ND value	X+
SP0205	28-Jun-06	Boron	µg/L	<5	1.5	avg=1.4, P99=2.5, high ND value	X+
SP0305	26-Oct-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0305	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0305	8-Sep-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0405	26-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0405	6-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP0405	3-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0605	3-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0605	6-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0605	25-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP0705	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0705	6-Sep-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0705	25-Oct-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP0805	6-Aug-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP0805	8-Sep-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP0805	26-Oct-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP0905	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.28, high ND value	X+
SP0905	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.28, high ND value	X+
SP0905	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.28, high ND value	X+
SP0905	3-Aug-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP0905	6-Sep-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP0905	25-Oct-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP100	5-Sep-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP100	27-Oct-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP100	7-Aug-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP1005	3-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.27, high ND value	X+
SP1005	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.27, high ND value	X+
SP1005	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.27, high ND value	X+
SP1005	7-Sep-07	Bismuth	µg/L	<40	40	avg=10, P99=52, high ND value	X+
SP1005	25-Oct-07	Bismuth	µg/L	<40	40	avg=10, P99=52, high ND value	X+
SP1005	7-Sep-07	Nickel	µg/L	<3	0.6	avg=0.47, P99=1.3, high ND value	X+
SP109	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.23, high ND value	X+
SP109	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.23, high ND value	X+
SP109	7-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.23, high ND value	X+
SP109	9-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.23, high ND value	X+
SP109	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.1, P99=0.23, high ND value	X+
SP109	9-Aug-07	Bismuth	µg/L	<40	40	avg=3.6, P99=22, high ND value	X+
SP109	24-Oct-07	Bismuth	µg/L	<40	40	avg=3.6, P99=22, high ND value	X+
SP109	7-Sep-07	Bismuth	µg/L	<40	40	avg=3.6, P99=22, high ND value	X+
SP1105	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.17, P99=0.23, high ND value	X+
SP1105	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.17, P99=0.23, high ND value	X+
SP1105	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.17, P99=0.23, high ND value	X+
SP1105	6-Sep-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1105	25-Oct-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1105	4-Aug-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1205	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.23, high ND value	X+
SP1205	20-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.23, high ND value	X+
SP1205	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.23, high ND value	X+
SP1205	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.23, high ND value	X+
SP1205	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.15, P99=0.23, high ND value	X+
SP1205	4-Aug-07	Bismuth	µg/L	<40	40	avg=5.3, P99=26, high ND value	X+
SP1205	20-Oct-07	Bismuth	µg/L	<40	40	avg=5.3, P99=26, high ND value	X+
SP1205	8-Sep-07	Bismuth	µg/L	<40	40	avg=5.3, P99=26, high ND value	X+
SP1305	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.25, high ND value	X+
SP1305	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.25, high ND value	X+
SP1305	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.11, P99=0.25, high ND value	X+
SP1305	25-Oct-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1305	4-Aug-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1305	6-Sep-07	Bismuth	µg/L	<40	40	avg=5.5, P99=27, high ND value	X+
SP1305	6-Sep-07	Nickel	µg/L	<3	0.6	avg=0.69, P99=1.4, high ND value	X+
SP1405	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.073, P99=0.22, high ND value	X+
SP1405	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.073, P99=0.22, high ND value	X+
SP1405	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.073, P99=0.22, high ND value	X+
SP1405	6-Sep-07	Bismuth	µg/L	<40	40	avg=3.9, P99=23, high ND value	X+
SP1405	4-Aug-07	Bismuth	µg/L	<40	40	avg=3.9, P99=23, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP1405	24-Oct-07	Bismuth	µg/L	<40	40	avg=3.9, P99=23, high ND value	X+
SP1405	6-Sep-07	Nickel	µg/L	<3	0.6	avg=0.38, P99=1.1, high ND value	X+
SP1505	6-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1505	8-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1505	26-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1705	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.24, high ND value	X+
SP1705	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.24, high ND value	X+
SP1705	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.091, P99=0.24, high ND value	X+
SP1705	24-Oct-07	Bismuth	µg/L	<40	40	avg=4.7, P99=25, high ND value	X+
SP1705	6-Sep-07	Bismuth	µg/L	<40	40	avg=4.7, P99=25, high ND value	X+
SP1705	4-Aug-07	Bismuth	µg/L	<40	40	avg=4.7, P99=25, high ND value	X+
SP1705	6-Sep-07	Thallium	µg/L	<0.1	0.1	avg=0.017, P99=0.062, high ND value	X+
SP1705	24-Oct-07	Thallium	µg/L	<0.1	0.1	avg=0.017, P99=0.062, high ND value	X+
SP1705	4-Aug-07	Thallium	µg/L	<0.1	0.1	avg=0.017, P99=0.062, high ND value	X+
SP1805	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.22, high ND value	X+
SP1805	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.22, high ND value	X+
SP1805	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.22, high ND value	X+
SP1805	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.22, high ND value	X+
SP1805	24-Oct-07	Thallium	µg/L	<0.5	0.1	avg=0.021, P99=0.14, high ND value	X+
SP1905	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.28, high ND value	X+
SP1905	24-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.28, high ND value	X+
SP1905	6-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.12, P99=0.28, high ND value	X+
SP1905	6-Sep-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1905	24-Oct-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1905	4-Aug-07	Bismuth	µg/L	<40	40	avg=6, P99=28, high ND value	X+
SP1905	6-Sep-07	Nickel	µg/L	<3	0.6	avg=0.43, P99=1.4, high ND value	X+
SP2005	24-Oct-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2005	4-Aug-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2005	5-Sep-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2105	24-Oct-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP2105	4-Aug-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP2105	5-Sep-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP2205	4-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2205	8-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2205	24-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2305	5-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2305	26-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2305	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP2305	7-Sep-07	Cadmium	µg/L	<0.1	0.1	avg=0.028, P99=0.064, high ND value	X+
SP2305	5-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.028, P99=0.064, high ND value	X+
SP2305	26-Oct-07	Cadmium	µg/L	<0.1	0.1	avg=0.028, P99=0.064, high ND value	X+
SP2405	5-Aug-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP2405	8-Sep-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP2405	26-Oct-07	Bismuth	µg/L	<40	40	avg=6.7, P99=30, high ND value	X+
SP2505	6-Aug-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2505	8-Sep-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP2505	26-Oct-07	Bismuth	µg/L	<40	40	avg=7.5, P99=32, high ND value	X+
SP26	2-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP26	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP26	21-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP26	21-Oct-07	Cadmium	µg/L	<0.5	0.1	avg=0.15, P99=0.27, high ND value	X+
SP30	4-Sep-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP30	21-Oct-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP30	7-Aug-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP31	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.5, P99=24, high ND value	X+
SP31	27-Oct-07	Bismuth	µg/L	<40	40	avg=4.5, P99=24, high ND value	X+
SP31	8-Aug-07	Bismuth	µg/L	<40	40	avg=4.5, P99=24, high ND value	X+
SP37	5-Aug-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP37	4-Sep-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SP37	23-Oct-07	Bismuth	µg/L	<40	40	avg=11, P99=36, high ND value	X+
SP39	5-Aug-07	Bismuth	µg/L	<40	40	avg=8.9, P99=33, high ND value	X+
SP39	5-Sep-07	Bismuth	µg/L	<40	40	avg=8.9, P99=33, high ND value	X+
SP39	27-Oct-07	Bismuth	µg/L	<40	40	avg=8.9, P99=33, high ND value	X+
SP40	8-Aug-07	Bismuth	µg/L	<40	40	avg=2.9, P99=20, high ND value	X+
SP40	7-Sep-07	Bismuth	µg/L	<40	40	avg=2.9, P99=20, high ND value	X+
SP40	24-Oct-07	Bismuth	µg/L	<40	40	avg=2.9, P99=20, high ND value	X+
SP40	7-Sep-07	Nickel	µg/L	<3	0.6	avg=0.58, P99=1.2, high ND value	X+
SP41	2-Aug-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP41	7-Sep-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP41	27-Oct-07	Bismuth	µg/L	<40	40	avg=5, P99=26, high ND value	X+
SP41	2-Aug-07	Silver	µg/L	<0.5	0.5	avg=0.029, P99=0.17, high ND value	X+
SP41	7-Sep-07	Thallium	µg/L	<0.5	0.1	avg=0.042, P99=0.17, high ND value	X+
SP41	27-Oct-07	Thallium	µg/L	<0.1	0.1	avg=0.042, P99=0.17, high ND value	X+
SP41	27-Oct-07	Thallium	µg/L	<0.1	0.1	avg=0.042, P99=0.17, high ND value	X+
SP41	2-Aug-07	Thallium	µg/L	<0.1	0.1	avg=0.042, P99=0.17, high ND value	X+
SP53	6-Aug-07	Bismuth	µg/L	<40	40	avg=4.3, P99=24, high ND value	X+
SP53	5-Sep-07	Bismuth	µg/L	<40	40	avg=4.3, P99=24, high ND value	X+
SP53	21-Oct-07	Bismuth	µg/L	<40	40	avg=4.3, P99=24, high ND value	X+
SP57	8-Aug-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP57	7-Sep-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP57	24-Oct-07	Bismuth	µg/L	<40	40	avg=3.5, P99=22, high ND value	X+
SP62	21-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP62	2-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP62	7-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP64	24-Oct-07	Bismuth	µg/L	<40	40	avg=13, P99=37, high ND value	X+
SP64	7-Sep-07	Bismuth	µg/L	<40	40	avg=13, P99=37, high ND value	X+
SP64	8-Aug-07	Bismuth	µg/L	<40	40	avg=13, P99=37, high ND value	X+
SP66	2-Aug-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP66	6-Sep-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP66	27-Oct-07	Bismuth	µg/L	<40	40	avg=4.6, P99=25, high ND value	X+
SP71	3-Aug-07	Bismuth	µg/L	<40	40	avg=10, P99=35, high ND value	X+
SP71	6-Sep-07	Bismuth	µg/L	<40	40	avg=10, P99=35, high ND value	X+
SP71	26-Oct-07	Bismuth	µg/L	<40	40	avg=10, P99=35, high ND value	X+
SP75	27-Oct-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP75	3-Aug-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP75	6-Sep-07	Bismuth	µg/L	<40	40	avg=6.3, P99=29, high ND value	X+
SP84	25-Oct-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.23, high ND value	X+
SP84	4-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.23, high ND value	X+
SP84	8-Sep-07	Antimony	µg/L	<0.4	0.4	avg=0.13, P99=0.23, high ND value	X+
SP84	8-Sep-07	Bismuth	µg/L	<40	40	avg=3.8, P99=23, high ND value	X+
SP84	4-Aug-07	Bismuth	µg/L	<40	40	avg=3.8, P99=23, high ND value	X+
SP84	25-Oct-07	Bismuth	µg/L	<40	40	avg=3.8, P99=23, high ND value	X+
UT100A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.89, high ND value	X+
UT100A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.89, high ND value	X+
UT100A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.89, high ND value	X+
UT100A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.89, high ND value	X+
UT100A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.89, high ND value	X+
UT100A	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.17, P99=0.89, high ND value	X+
UT100A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.18, high ND value	X+
UT100A	16-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.18, high ND value	X+
UT100A	20-May-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.18, high ND value	X+
UT100A	1-May-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.18, high ND value	X+
UT100A	15-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.18, high ND value	X+
UT100A	26-Aug-04	Tin	µg/L	<0.31	0.31	avg=0.067, P99=0.18, high ND value	X+
UT100APC1	12-Dec-07	Antimony	µg/L	<0.4	0.4	avg=0.051, P99=0.12, high ND value	X+
UT100APC1	12-Dec-07	Beryllium	µg/L	<0.1	0.1	avg=0.0087, P99=0.029, high ND value	X+
UT100APC1	12-Dec-07	Bismuth	µg/L	<40	40	avg=0.48, P99=7.6, high ND value	X+
UT100APC1	12-Dec-07	Cadmium	µg/L	<0.1	0.1	avg=0.0084, P99=0.033, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
UT100APC2	21-Aug-07	Antimony	µg/L	<0.4	0.4	avg=0.049, P99=0.14, high ND value	X+
UT100APC2	15-Nov-07	Antimony	µg/L	<0.4	0.4	avg=0.049, P99=0.14, high ND value	X+
UT100APC2	15-Nov-07	Beryllium	µg/L	<0.1	0.1	avg=0.0079, P99=0.033, high ND value	X+
UT100APC2	21-Aug-07	Beryllium	µg/L	<0.1	0.1	avg=0.0079, P99=0.033, high ND value	X+
UT100APC2	15-Nov-07	Bismuth	µg/L	<40	40	avg=0.96, P99=11, high ND value	X+
UT100APC2	21-Aug-07	Bismuth	µg/L	<40	40	avg=0.96, P99=11, high ND value	X+
UT100APC2	21-Aug-07	Cadmium	µg/L	<0.1	0.1	avg=0.012, P99=0.053, high ND value	X+
UT100APC2	15-Nov-07	Cadmium	µg/L	<0.1	0.1	avg=0.012, P99=0.053, high ND value	X+
UT100APC3	27-Mar-08	Bismuth	µg/L	<0.1	0.1	avg=0.012, P99=0.041, high ND value	X+
UT100APC3	19-Nov-08	Bismuth	µg/L	<0.1	0.004	avg=0.012, P99=0.041, high ND value	X+
UT100B	20-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	16-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	26-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	15-Jul-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	14-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	17-Jun-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	30-Apr-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	16-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	17-Jun-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.66	X+
UT100B	15-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.0097, P99=0.025, high ND value	X+
UT100C	2-May-04	Antimony	µg/L	<0.2	0.077	avg=0.052, P99=0.26, high ND value	X+
UT100C	20-May-04	Antimony	µg/L	<0.2	0.077	avg=0.052, P99=0.26, high ND value	X+
UT100C	2-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.055, P99=0.48	X+
UT100C	20-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.055, P99=0.48	X+
UT100C	2-May-04	Cadmium	µg/L	<0.031	0.031	avg=0.008, P99=0.013, high ND value	X+
UT100C	20-May-04	Cadmium	µg/L	<0.031	0.031	avg=0.008, P99=0.013, high ND value	X+
UT100D	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	18-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.1, P99=0.68, high ND value	X+
UT100D	17-Jun-04	Tin	µg/L	<1	0.31	avg=0.067, P99=0.25, high ND value	X+
UT100E	20-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	18-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	17-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	25-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	17-Jun-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	2-May-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	30-Apr-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	25-Aug-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT100E	15-Jul-04	Bismuth	µg/L	<1.5	1.5	High DL, avg=0.1, P99=0.68	X+
UT119A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.081, P99=0.6, high ND value	X+
UT119B	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	26-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.11, P99=0.72, high ND value	X+
UT119B	15-Jul-04	Cadmium	µg/L	<0.1	0.031	avg=0.012, P99=0.028, high ND value	X+
UT135A	18-Aug-06	Beryllium	µg/L	<0.25	0.25	avg=0.014, P99=0.058, high ND value	X+

Table 9.1D-4
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
UT135A	20-May-04	Bismuth	µg/L	<3.75	3.75	avg=0.18, P99=1.1, high ND value	X+
UT135A	16-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT135A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT135A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT135A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT135A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT135A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.18, P99=1.1, high ND value	X+
UT135A	18-Aug-06	Cadmium	µg/L	<0.37	0.37	avg=0.024, P99=0.1, high ND value	X+
UT135A	18-Aug-06	Thallium	µg/L	<0.1	0.1	avg=0.0082, P99=0.029, high ND value	X+
UT135A	20-May-04	Thallium	µg/L	<0.0625	0.0625	avg=0.0082, P99=0.029, high ND value	X+
UT138A	1-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	21-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	17-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	21-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT138A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.16, P99=0.84, high ND value	X+
UT141A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
UT141A	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
UT141A	15-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
UT141A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
UT141A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
UT141A	20-May-04	Bismuth	µg/L	<3.75	3.75	avg=0.15, P99=1, high ND value	X+
UT141A	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.15, P99=1, high ND value	X+
UT141A	20-May-04	Thallium	µg/L	<0.0625	0.0625	avg=0.0064, P99=0.019, high ND value	X+
UT146A	16-Oct-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	30-Apr-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	20-May-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	17-Jun-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	15-Jul-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	25-Aug-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+
UT146A	17-Sep-04	Bismuth	µg/L	<1.5	1.5	avg=0.099, P99=0.67, high ND value	X+

APPENDIX 9.1E

River and Creek Spatial Water Quality Regression Plots: North Fork Koktuli River, South Fork Koktuli River, and Upper Talarik Creek, Mine Study Area 2004-2008

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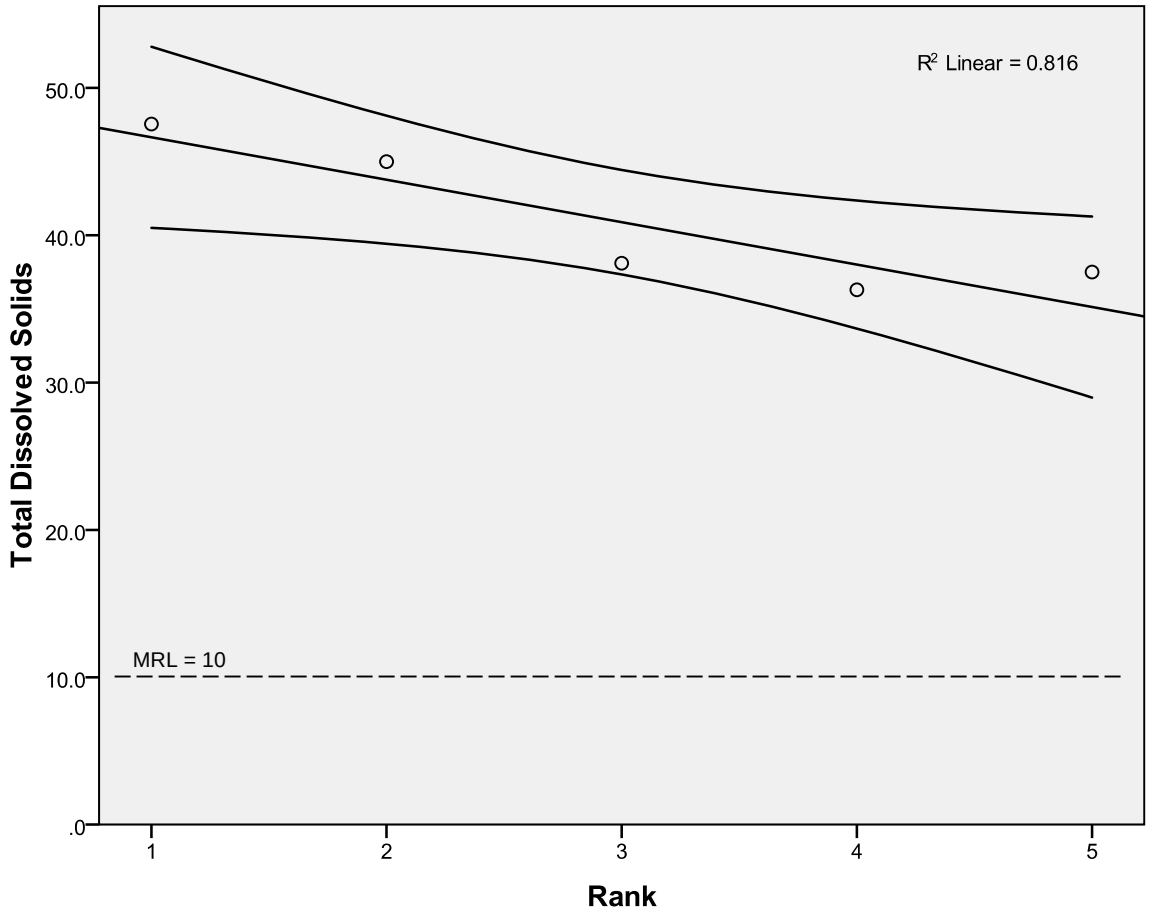
NORTH FORK KOKTULI RIVER



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

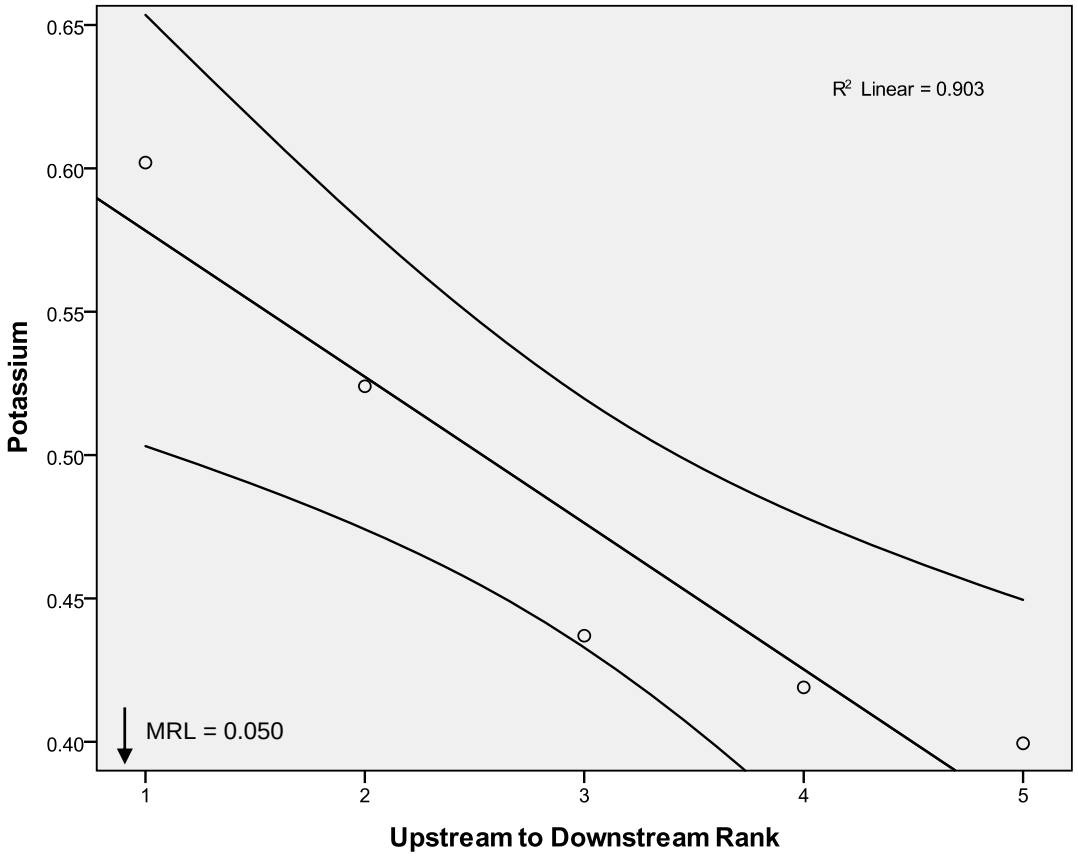
Median concentrations include only detected values.

Regression coefficient (R^2) value corresponds to best fit line.

Confidence intervals on the mean are represented by the outer lines.

MRL = method reporting limit.

NORTH FORK KOKTULI RIVER



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

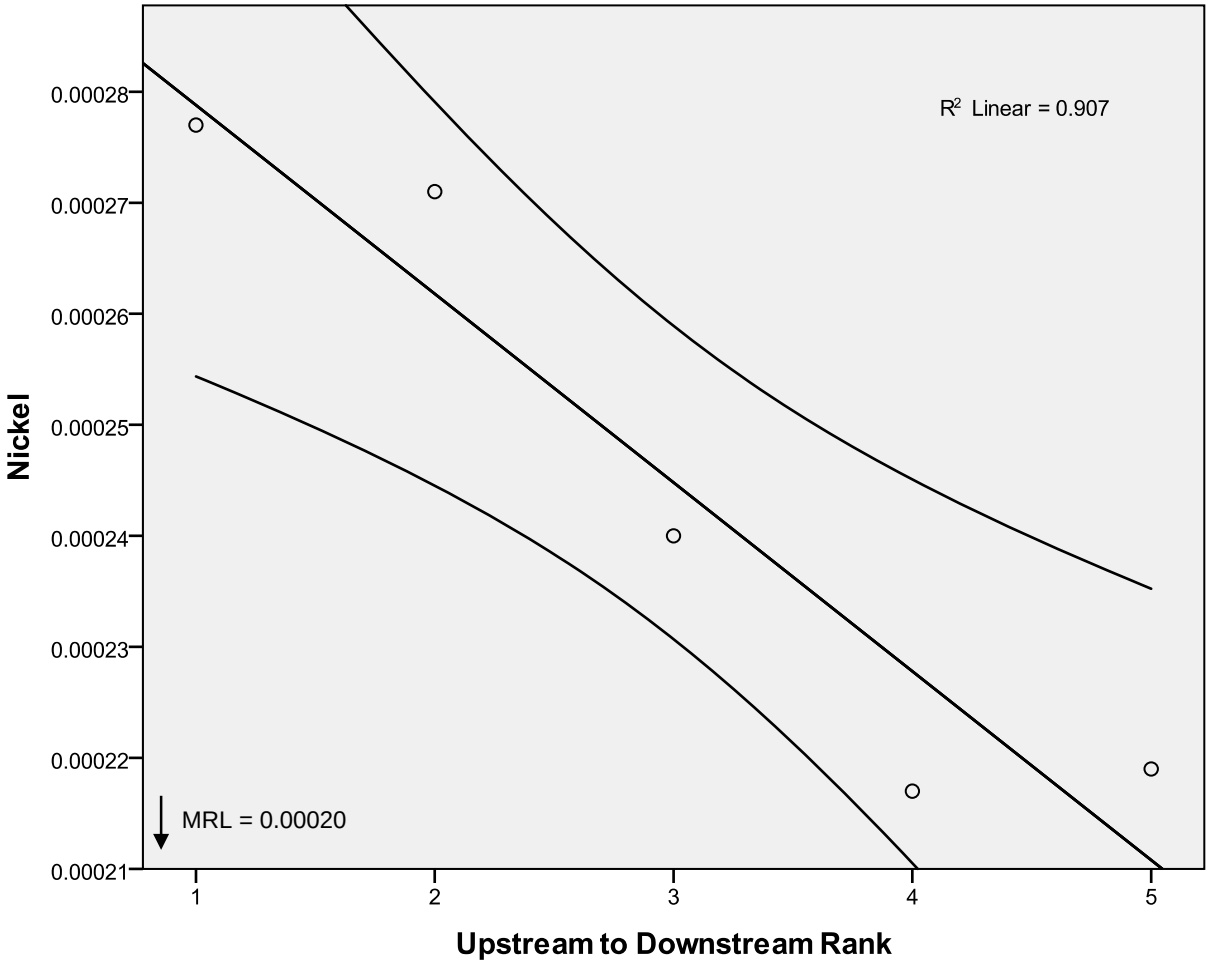
Median concentrations include only detected values.

Regression coefficient (R^2) value corresponds to best fit line.

Confidence intervals on the mean are represented by the outer lines.

MRL = method reporting limit.

NORTH FORK KOKTULI RIVER



Location [a]	Rank [b]
NK100D	1
NK100C	2
NK100B	3
NK100A1	4
NK100A	5

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 5 = most downstream).

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

Median concentrations include only detected values.

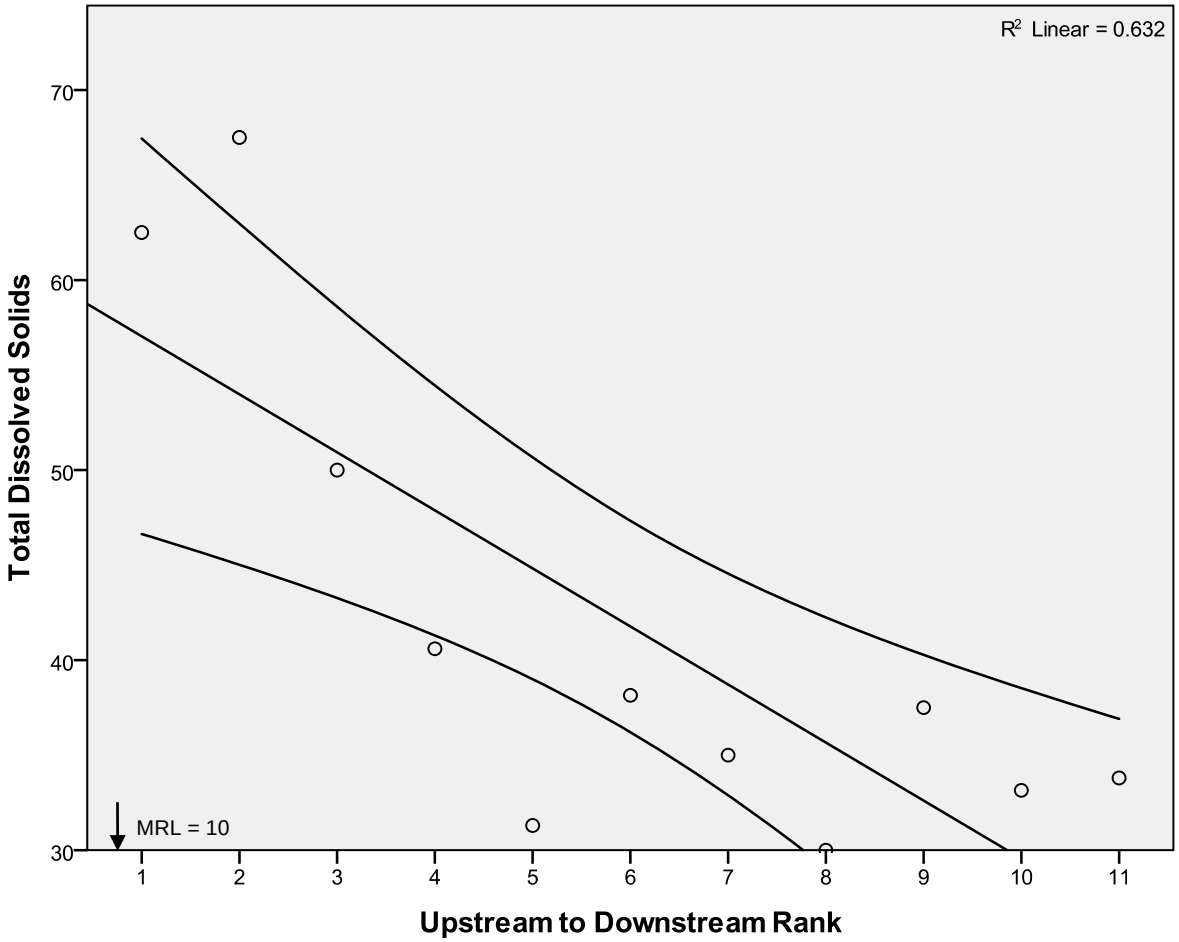
Regression coefficient (R^2) value corresponds to best fit line.

Confidence intervals on the mean are represented by the outer lines.

MRL = method reporting limit.

SOUTH FORK KOKTULI RIVER

SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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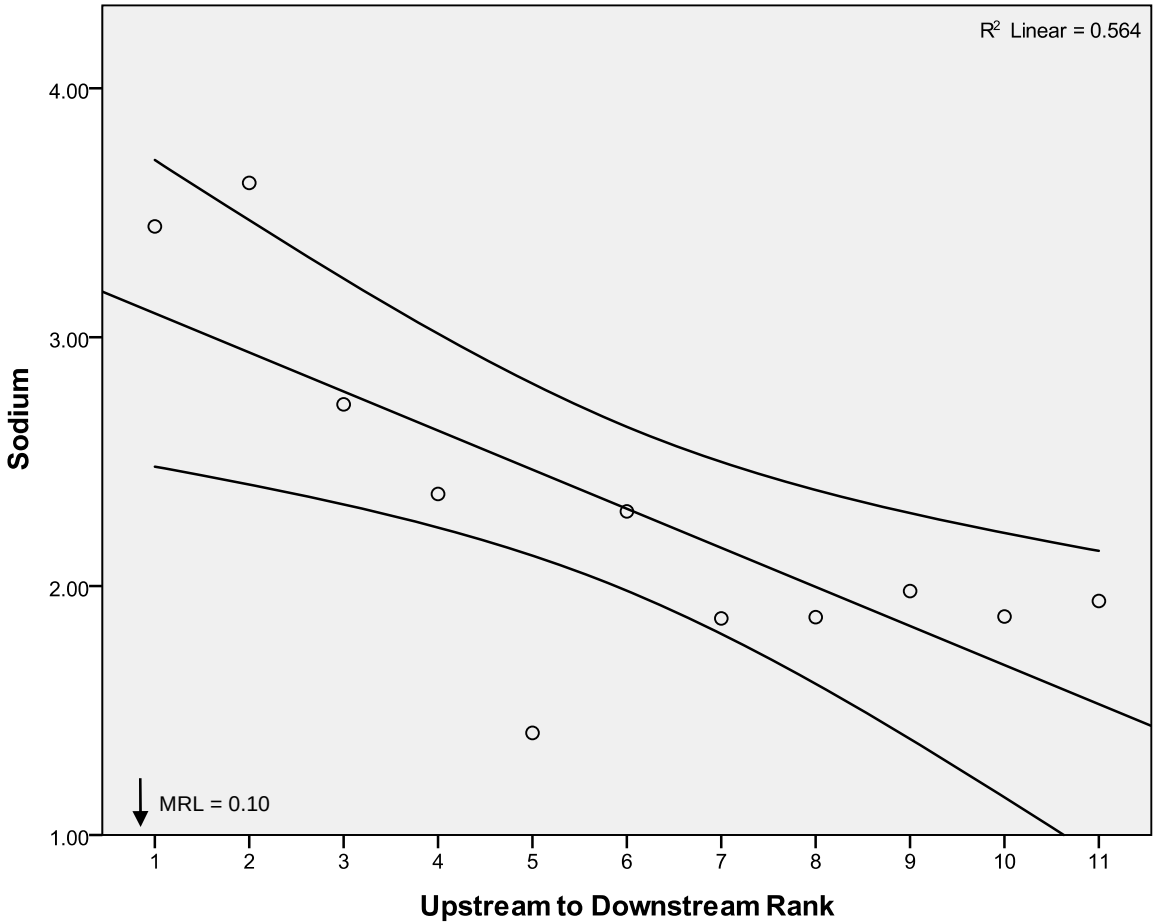
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

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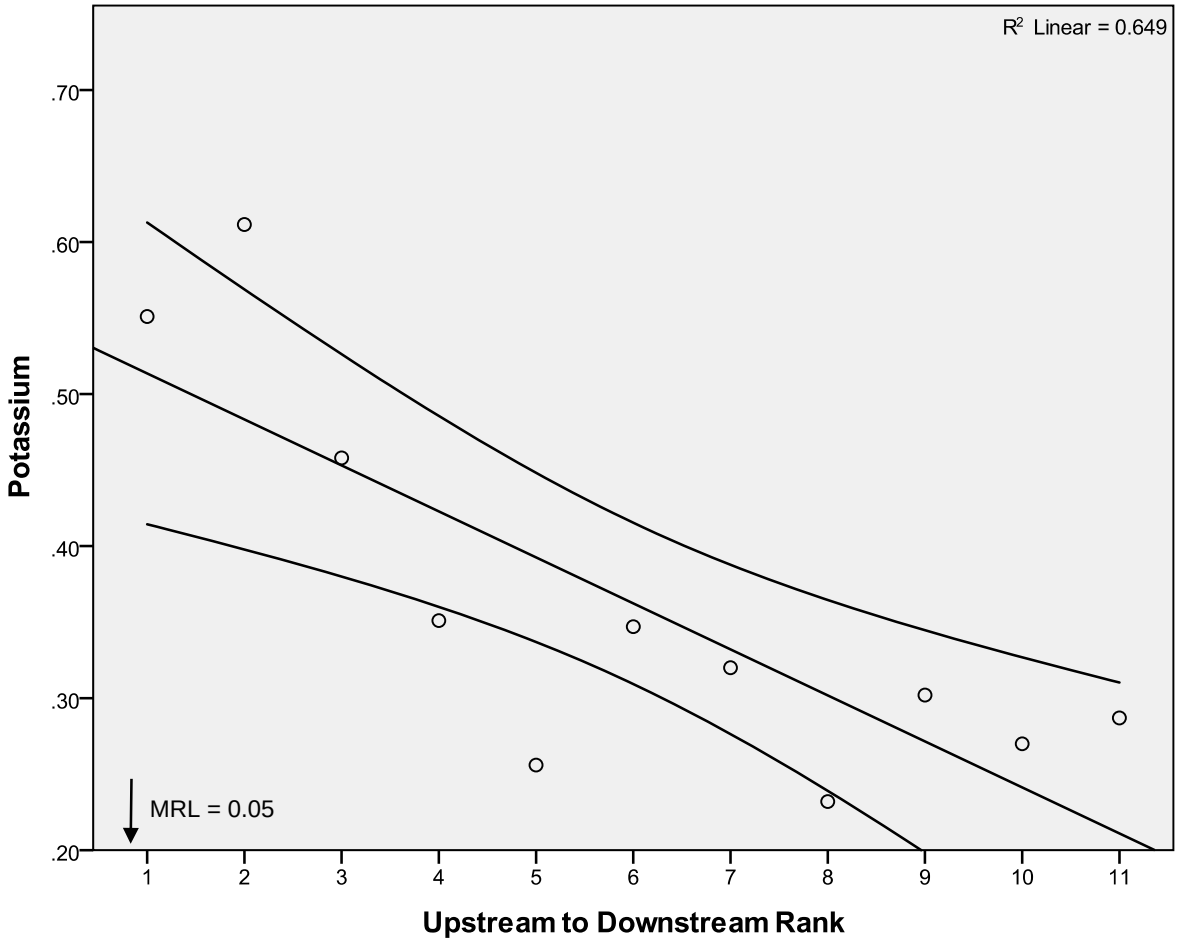

Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

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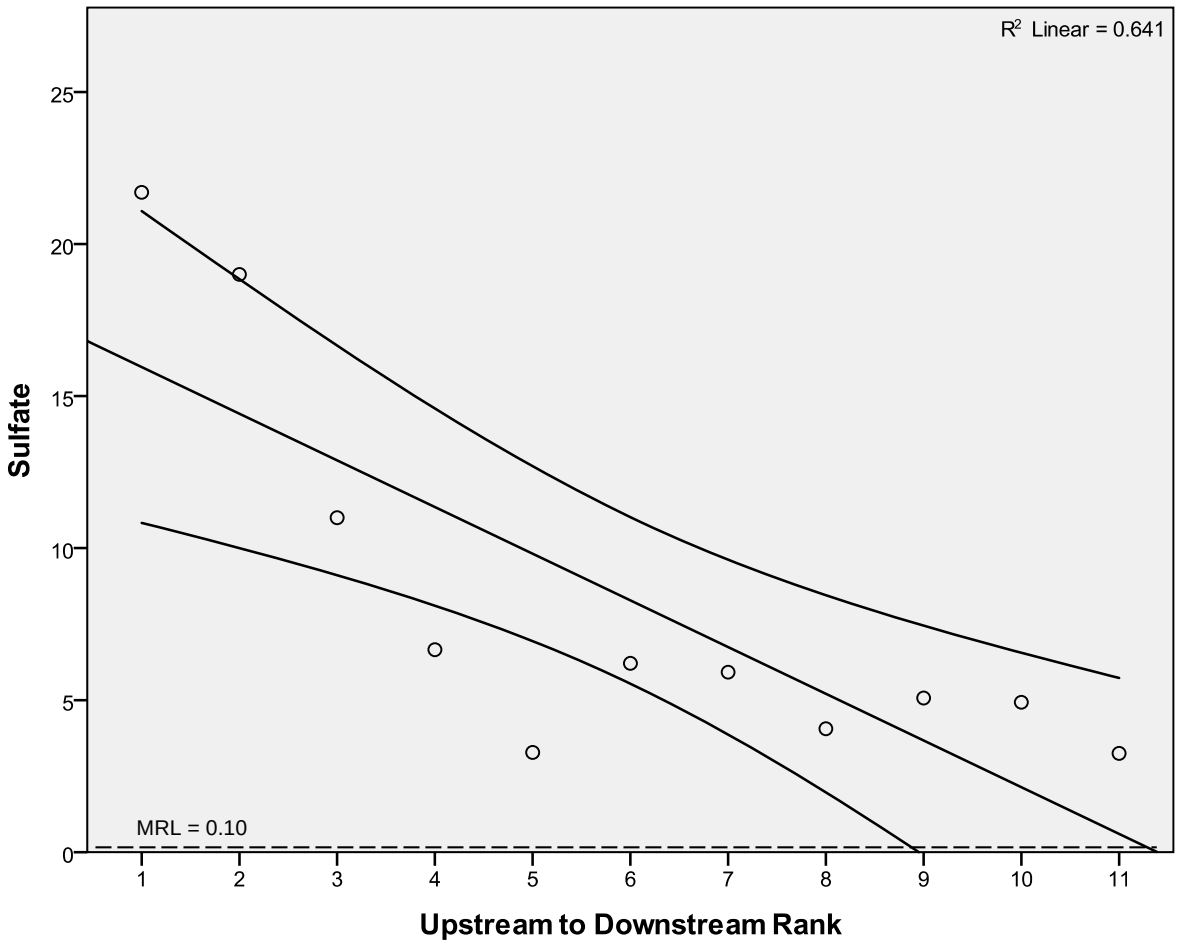
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

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c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

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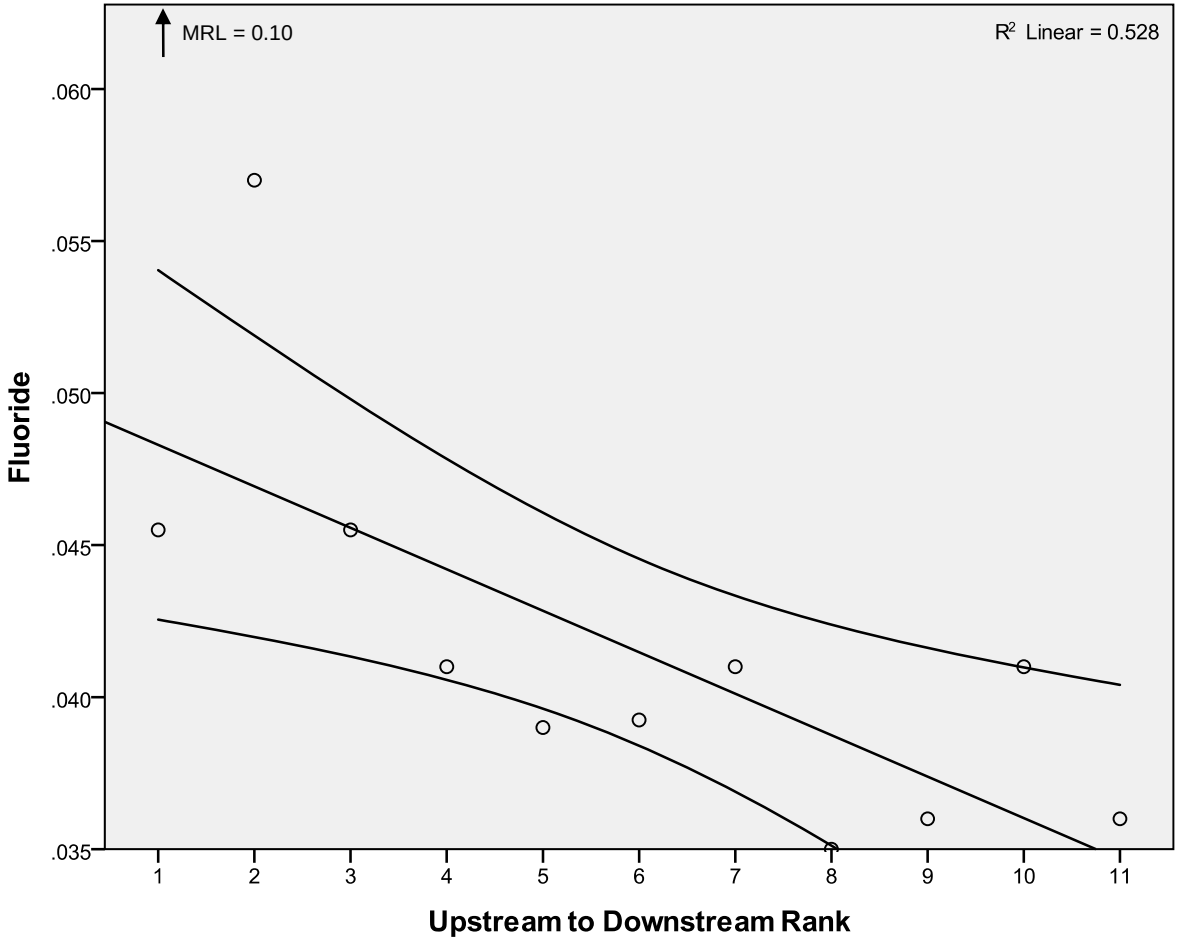
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

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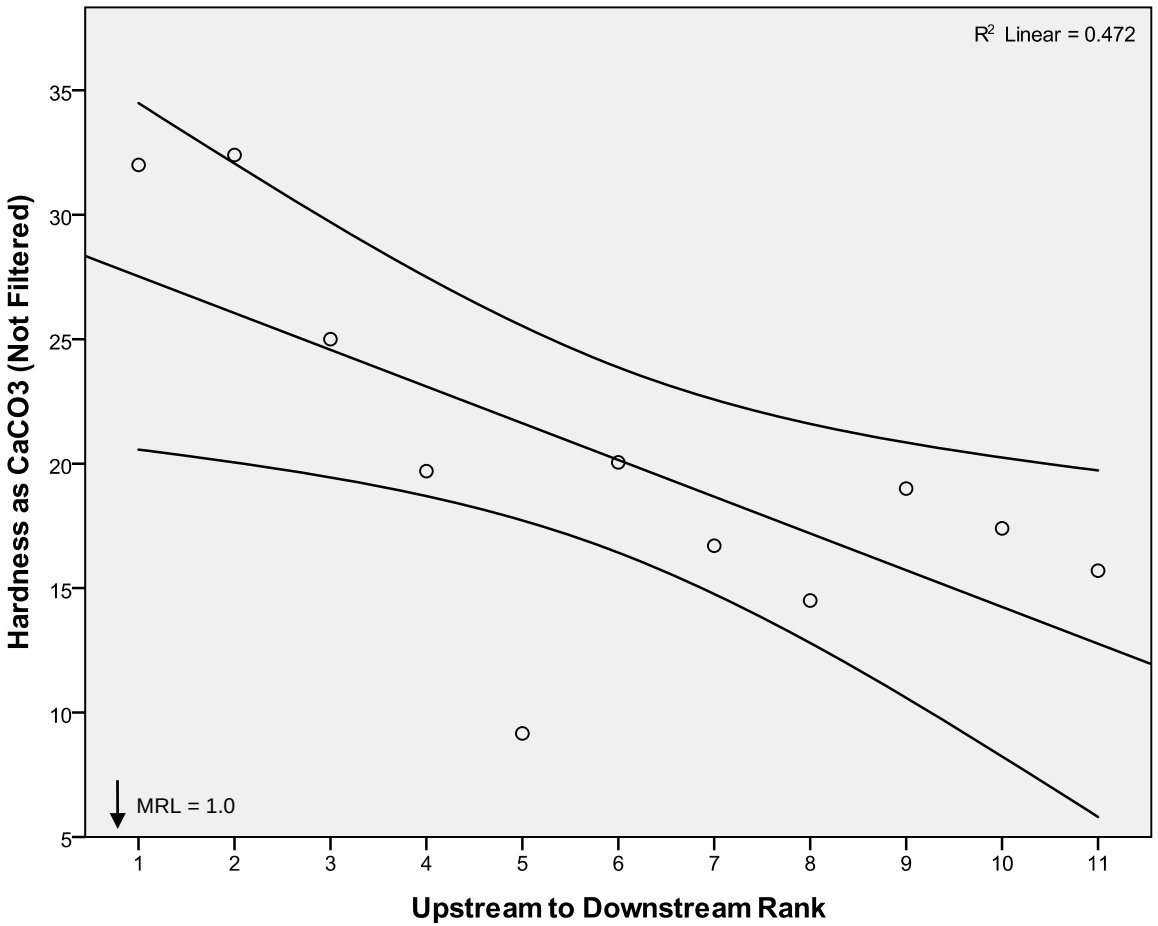
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

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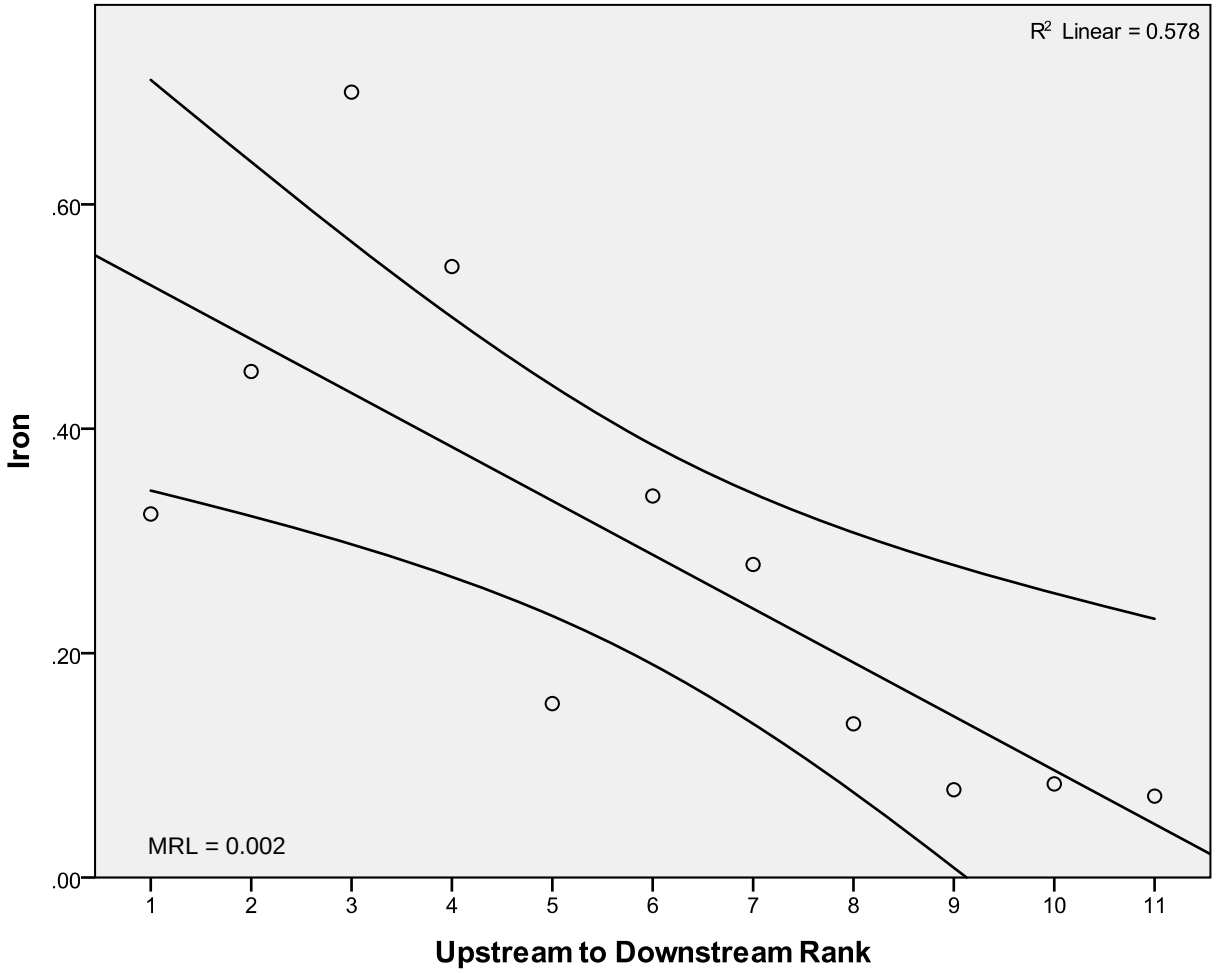
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

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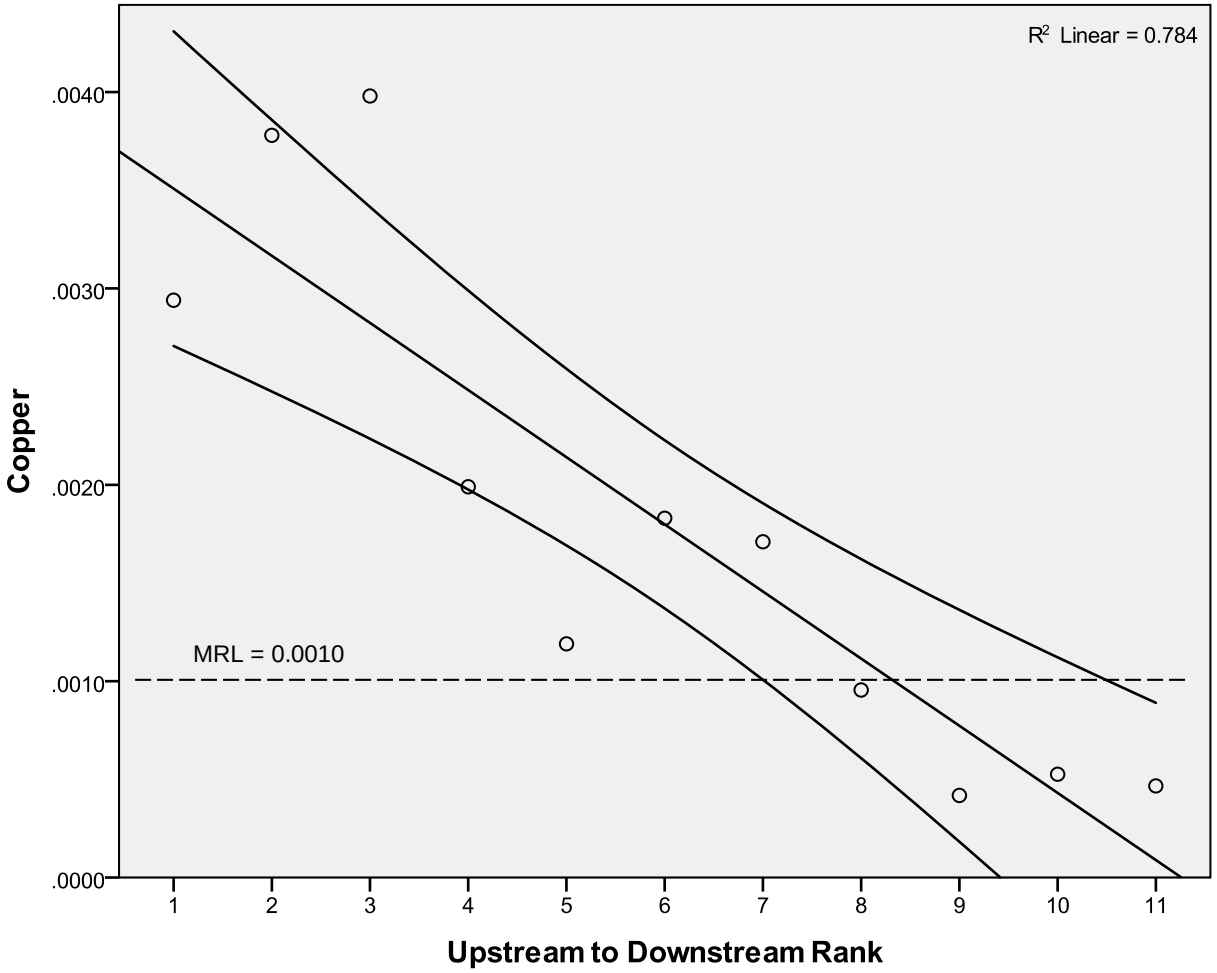

Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

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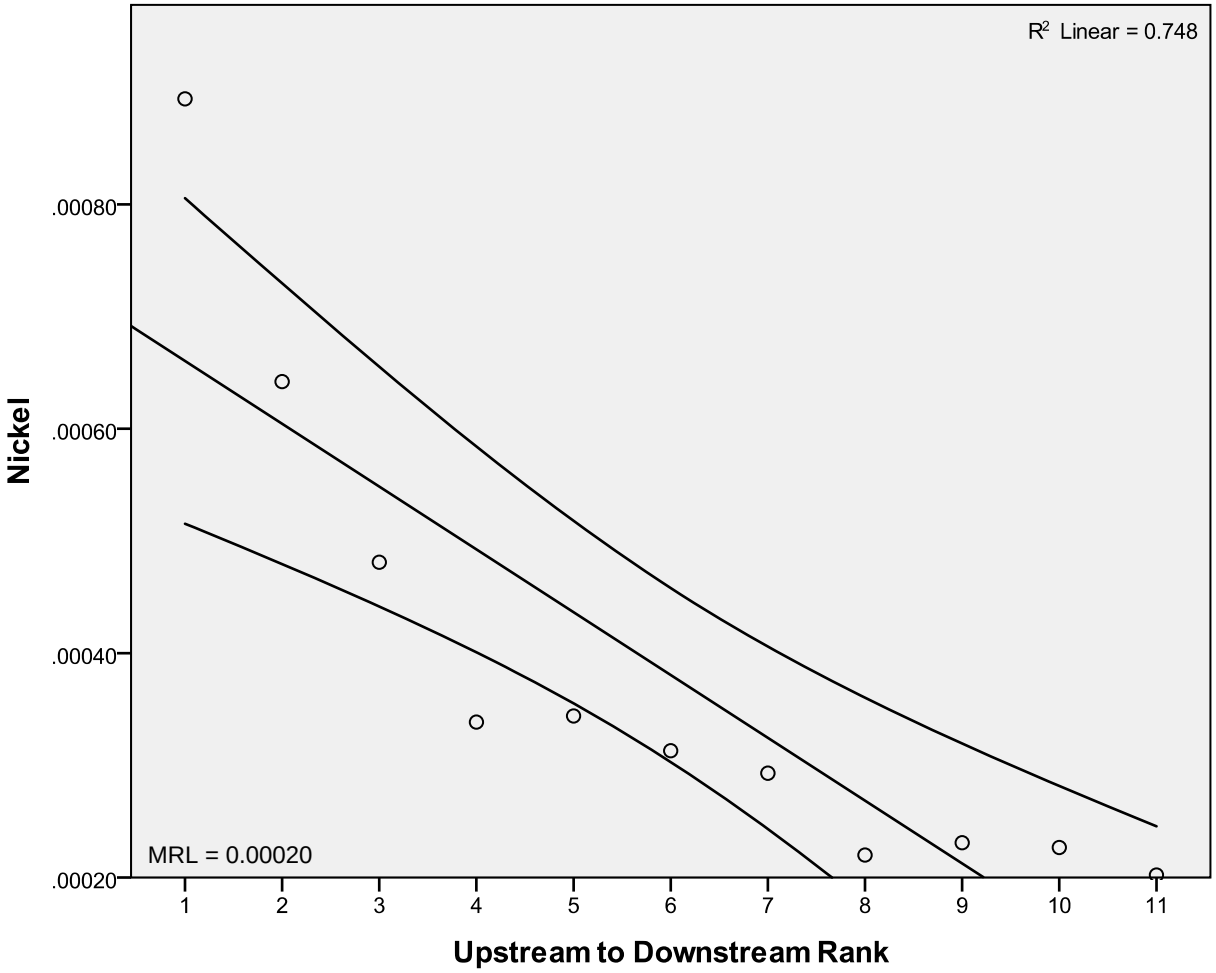
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

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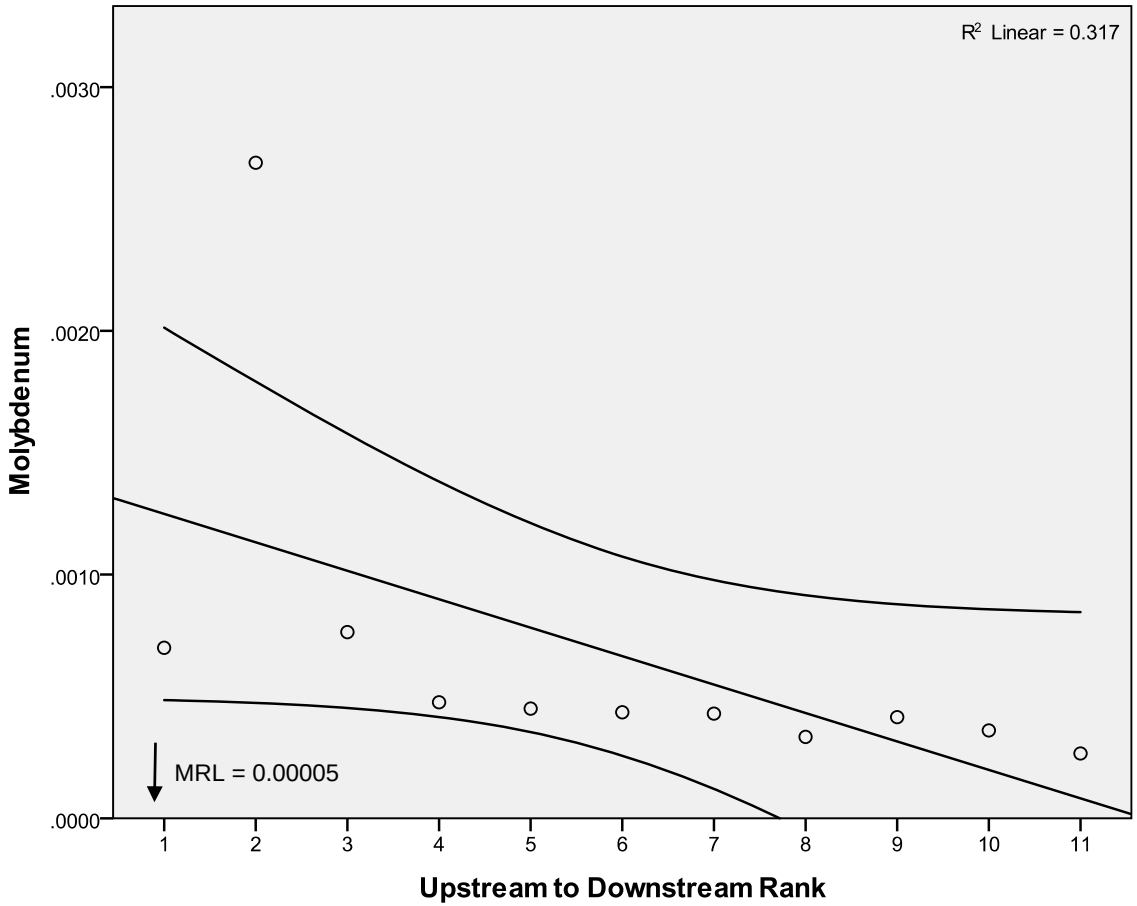
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

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Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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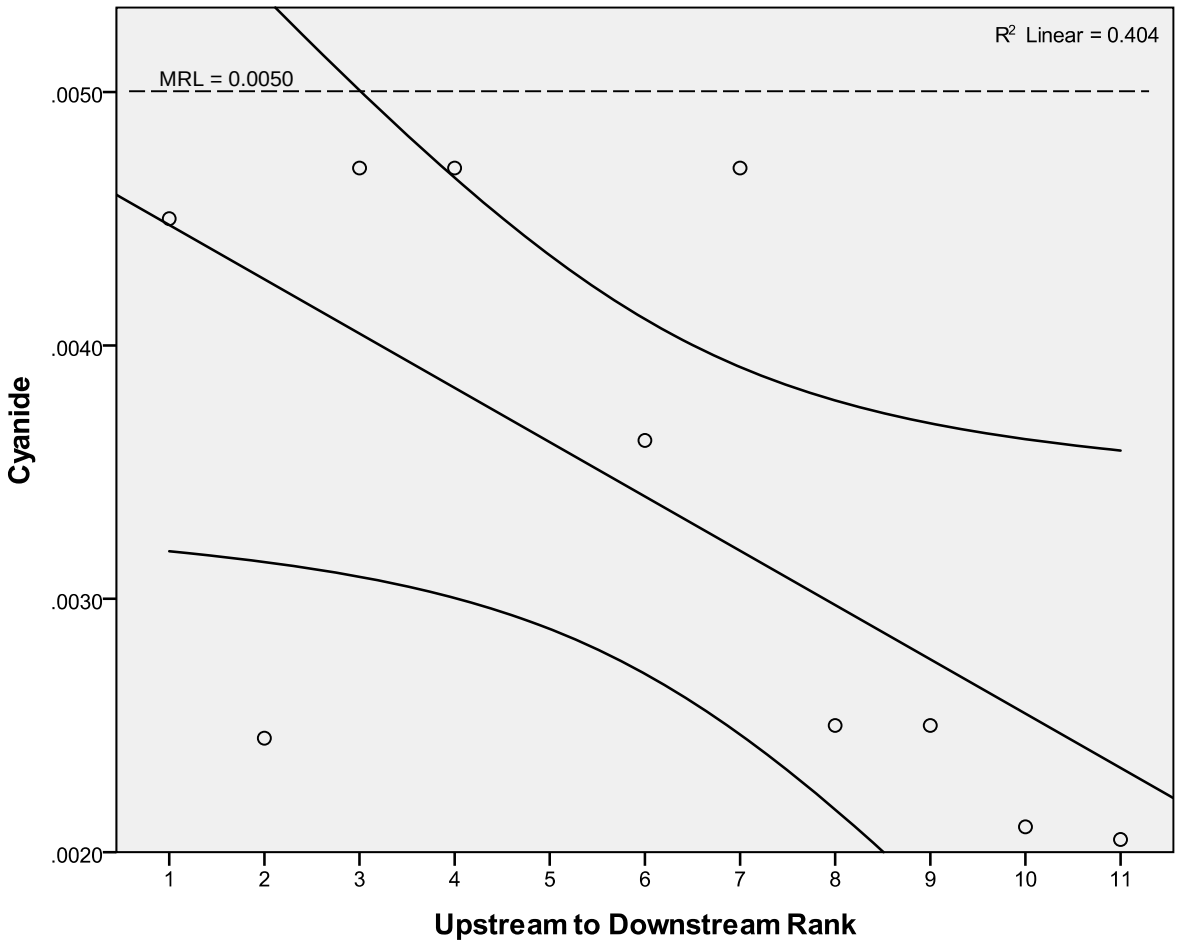
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

Notes:

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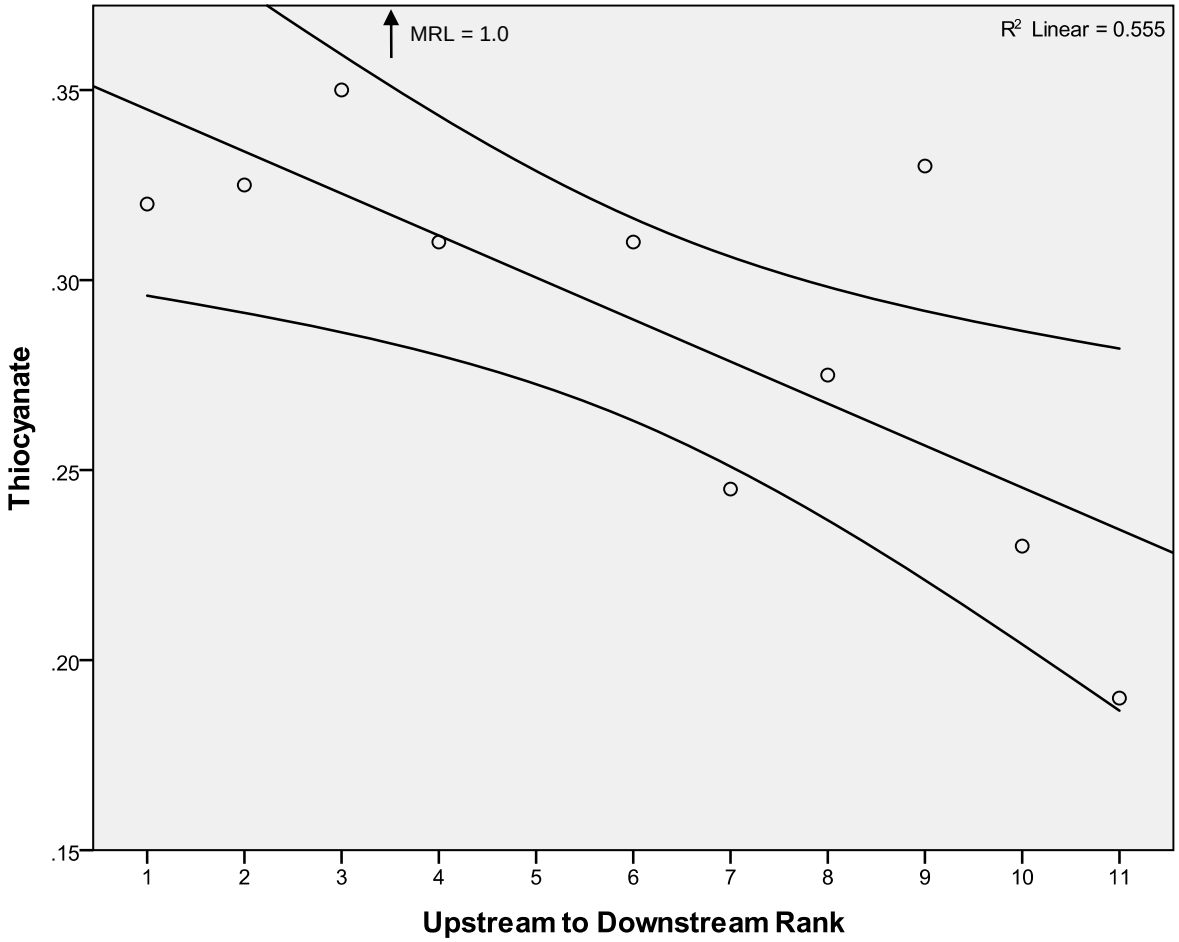
SOUTH FORK KOKTULI RIVER



Location [a]	Rank [b]
SK100I[c]	1
SK100H[c]	2
SK100G	3
SK100F	4
SK100E	5
SK100D	6
SK100C	7
SK100B2	8
SK100B1	9
SK100B	10
SK100A	11

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 11 = most downstream).

c. SK100I and SK100H were previously known as SK136B and SL136A respectively.

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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Regression coefficient (R^2) value corresponds to best fit line.

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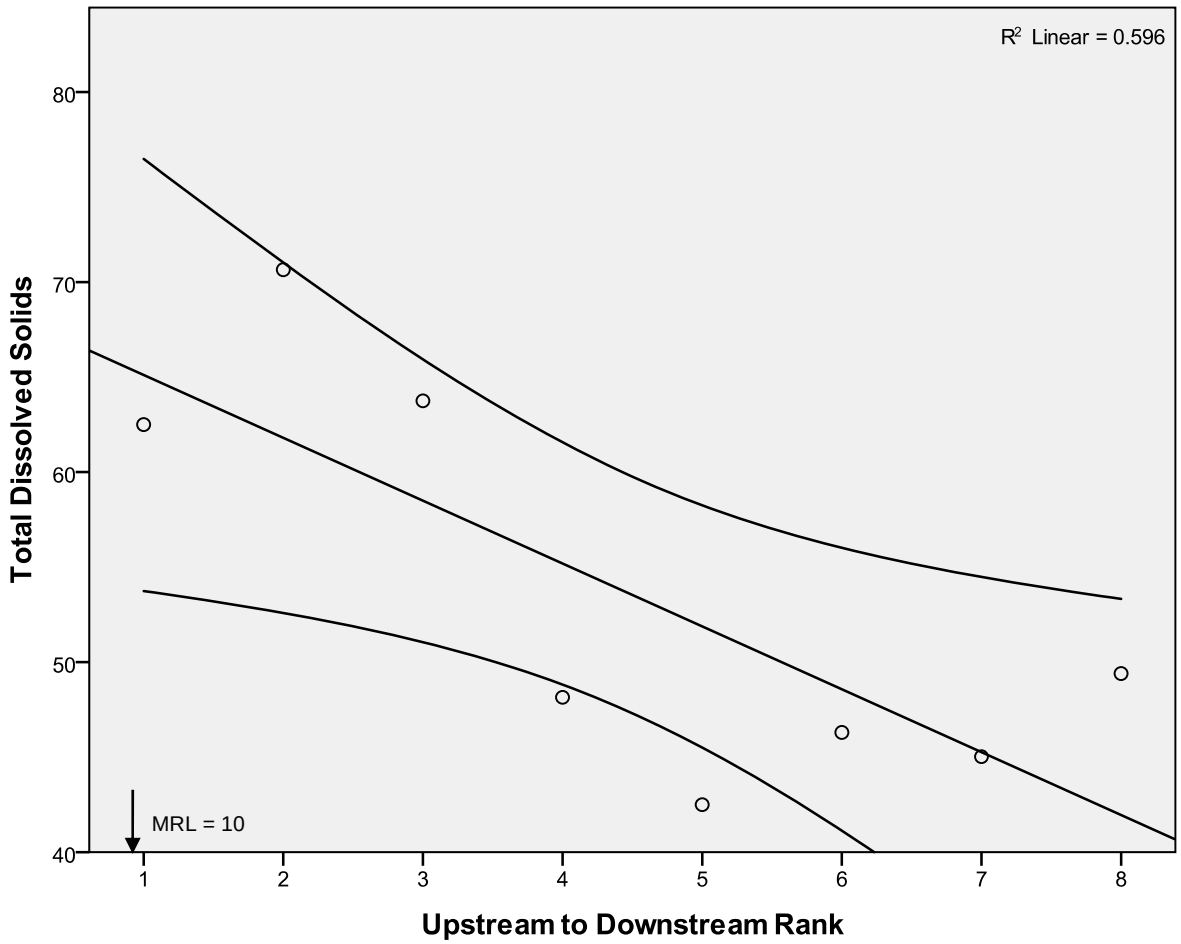
UPPER TALARIK CREEK

UPPER TALARIK CREEK



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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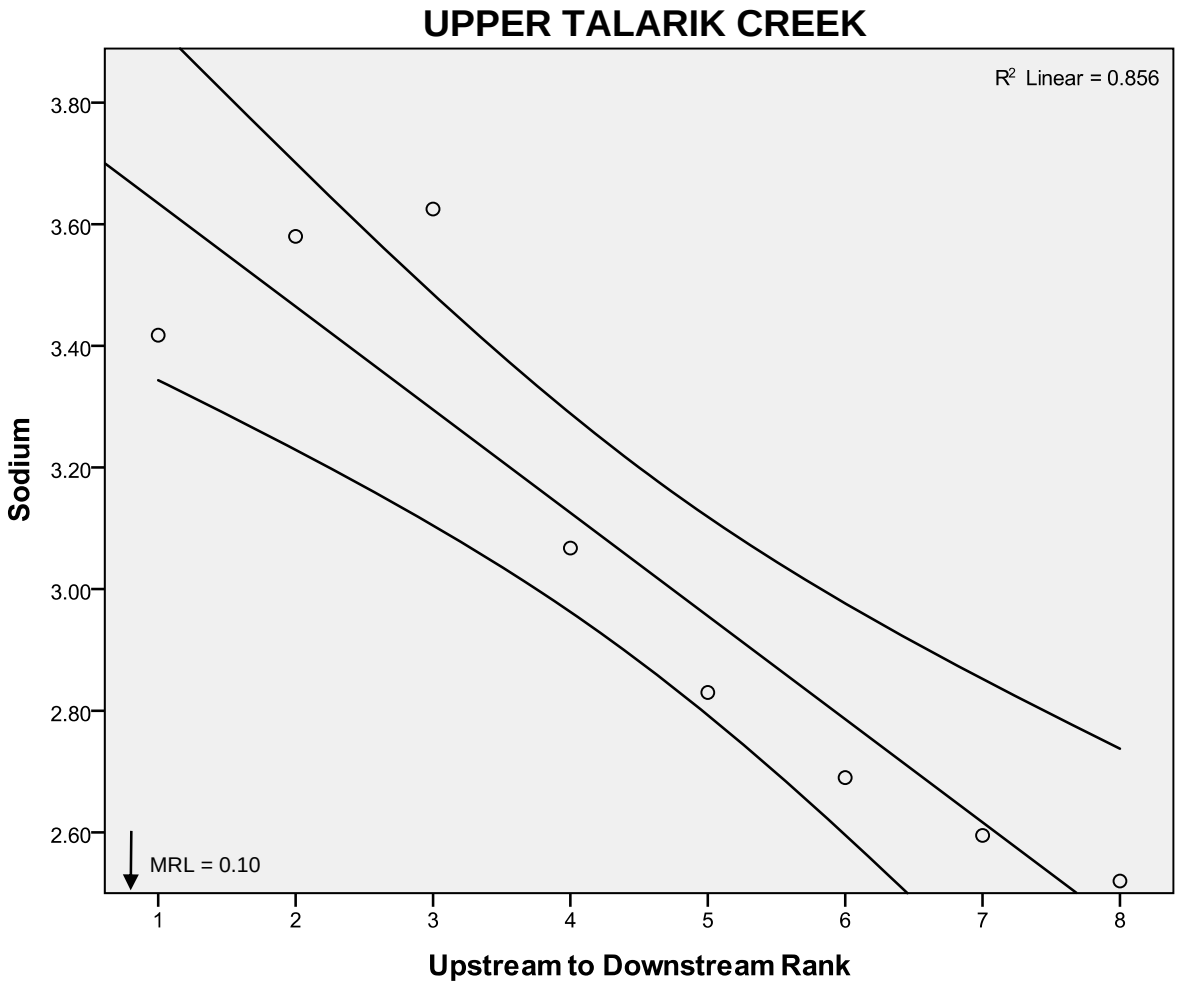

Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

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Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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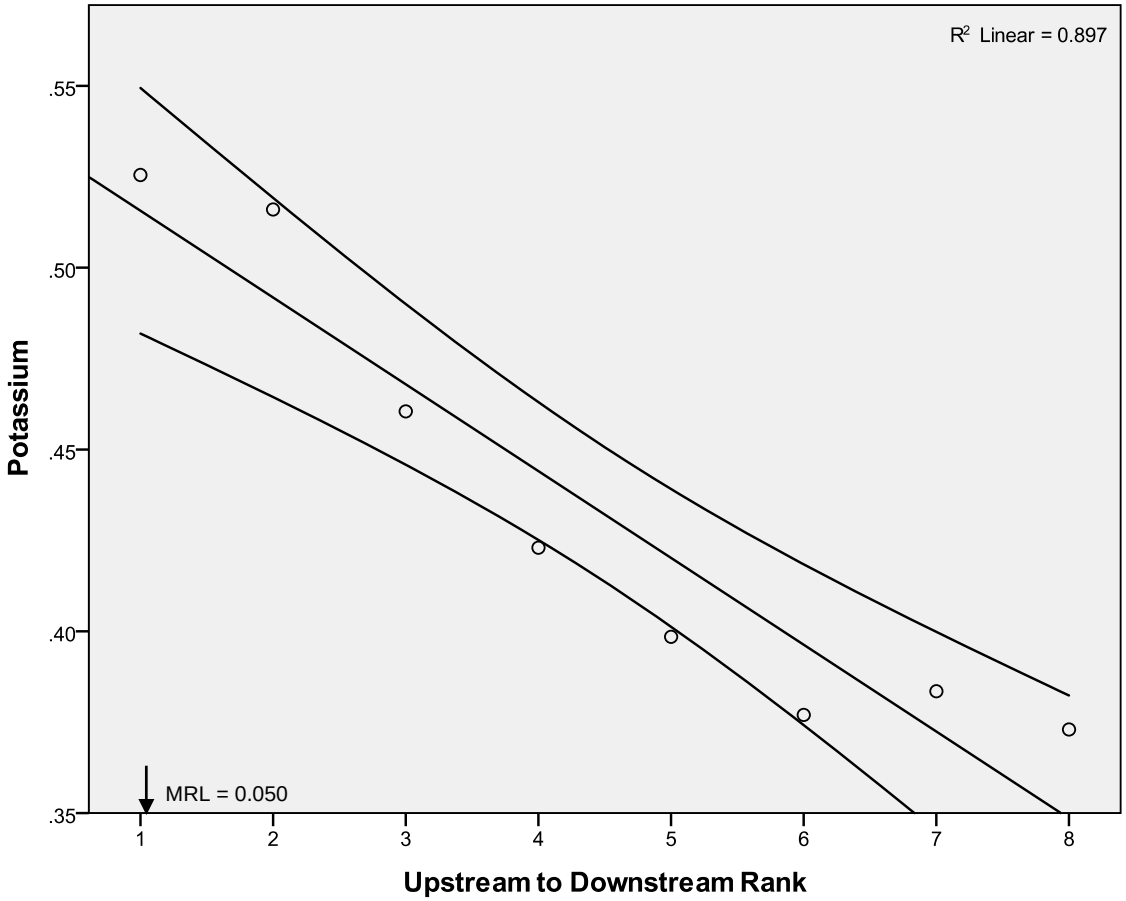
UPPER TALARIK CREEK



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations are shown.

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Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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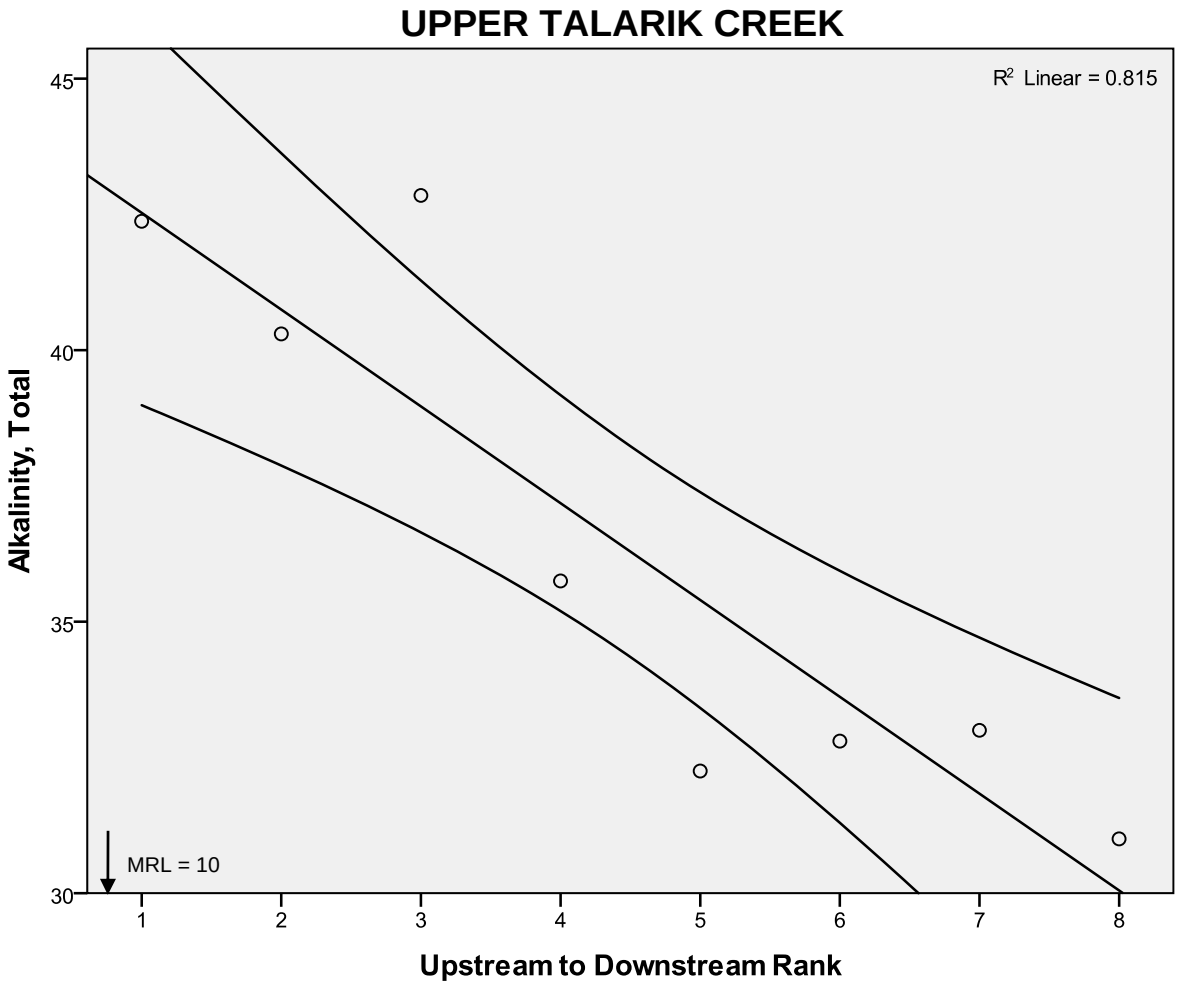

Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations are shown.

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Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

Median concentrations include only detected values.

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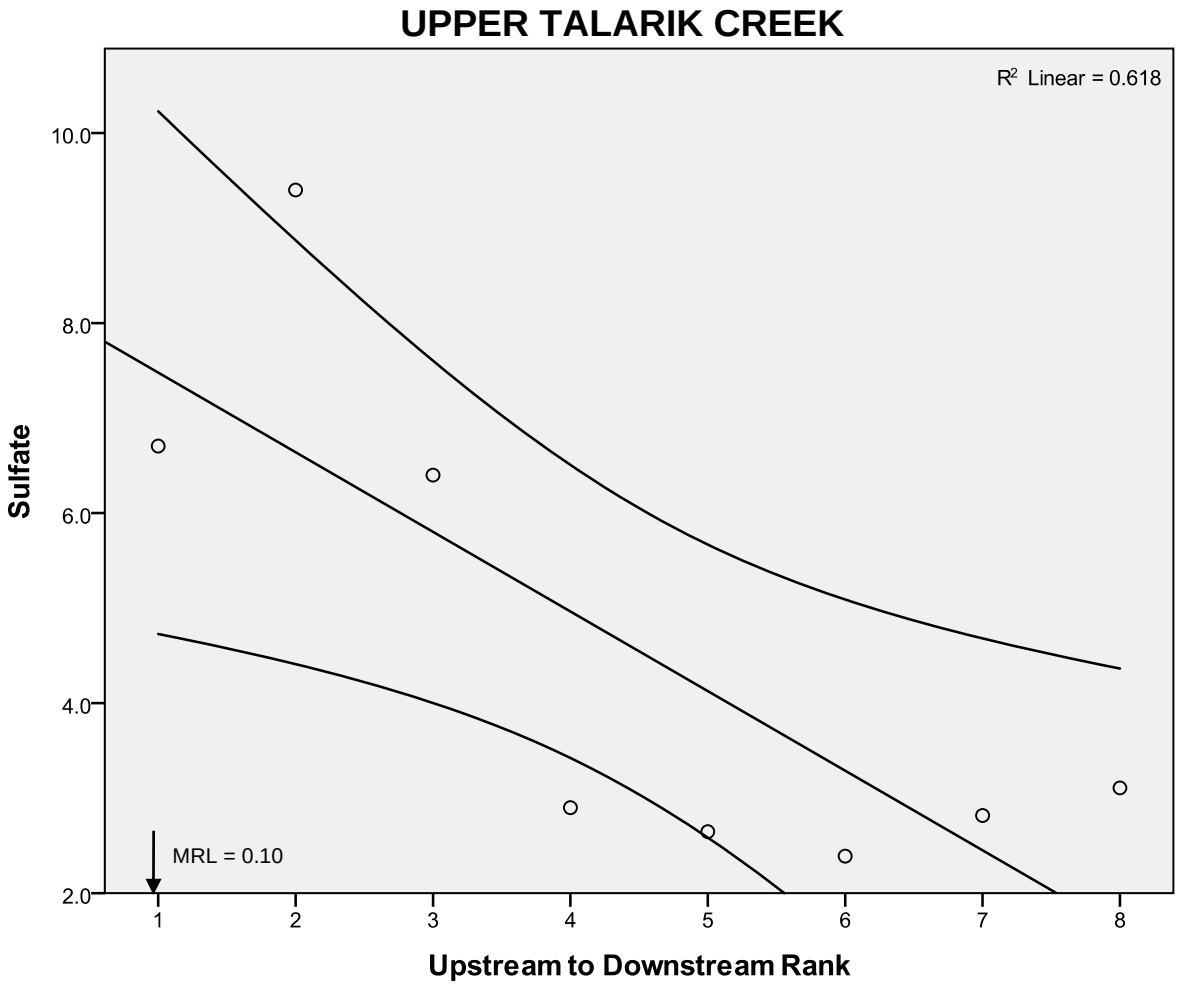

Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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Confidence intervals on the mean are represented by the outer lines.

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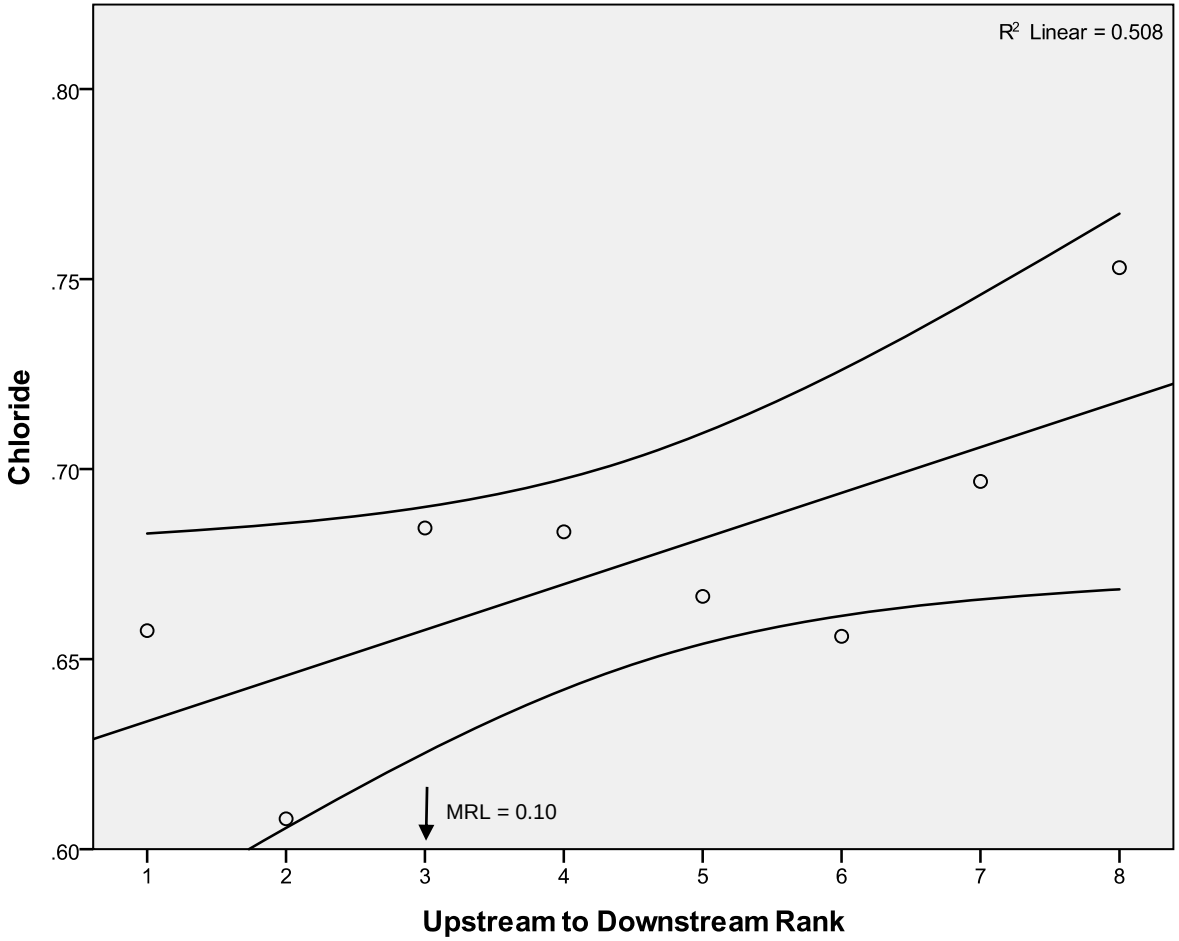
UPPER TALARIK CREEK



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations are shown.

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Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

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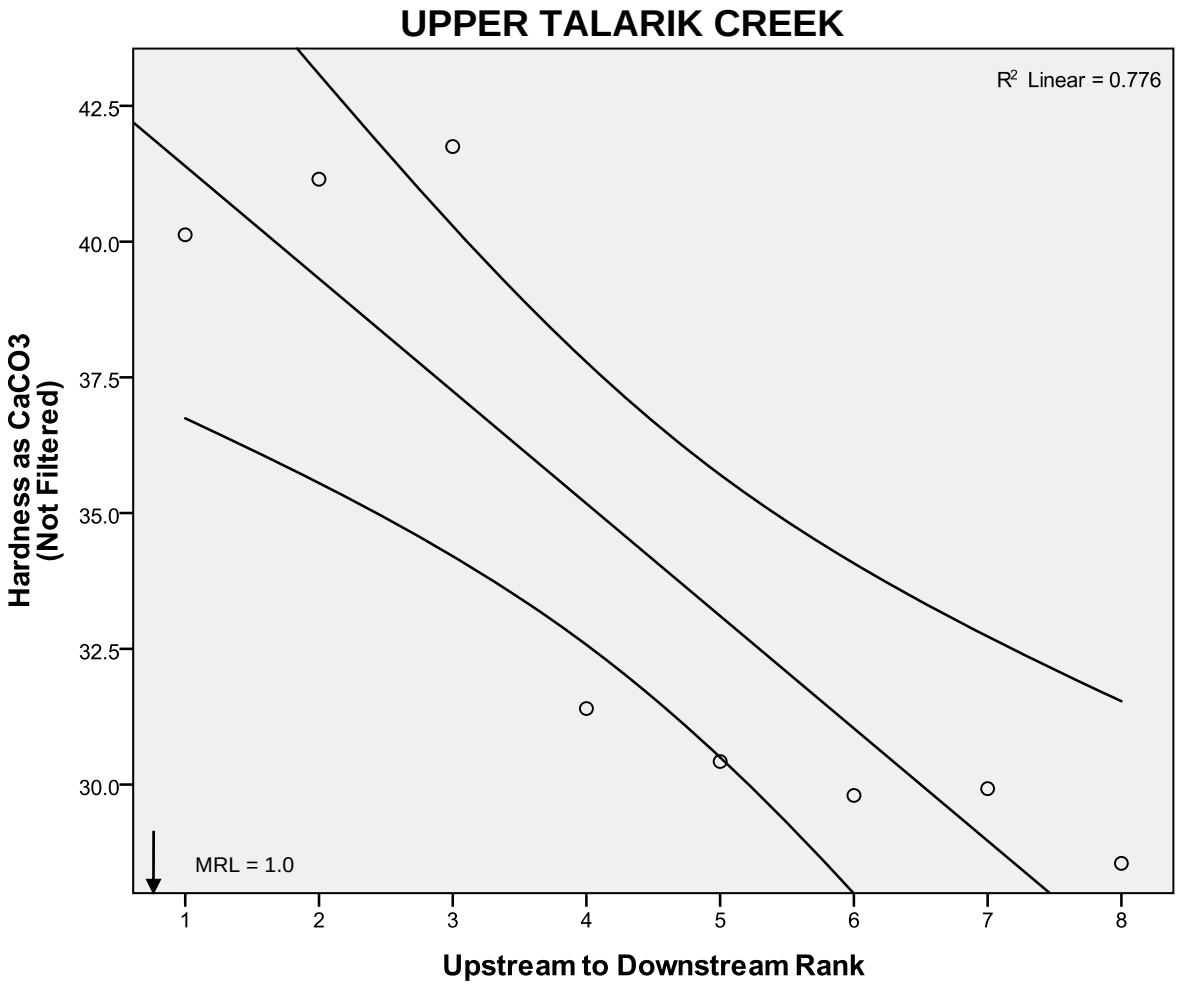

Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
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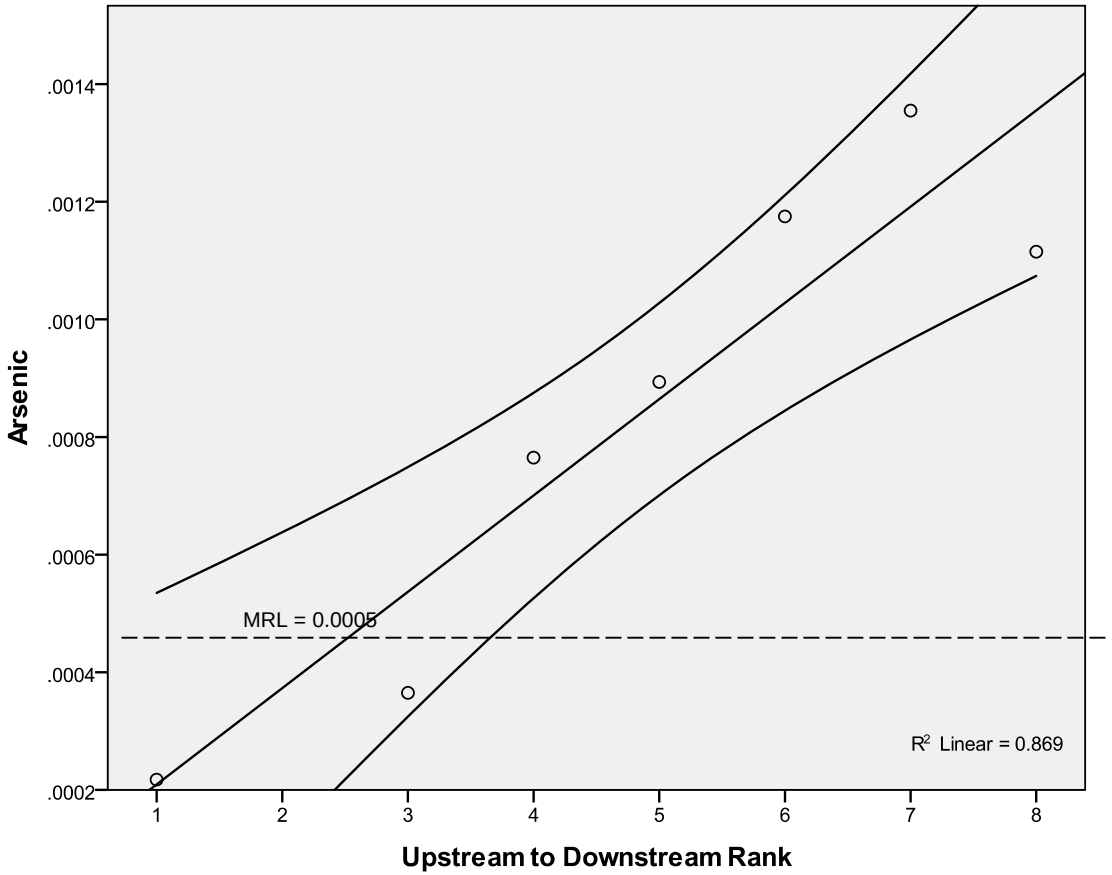
UPPER TALARIK CREEK



Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
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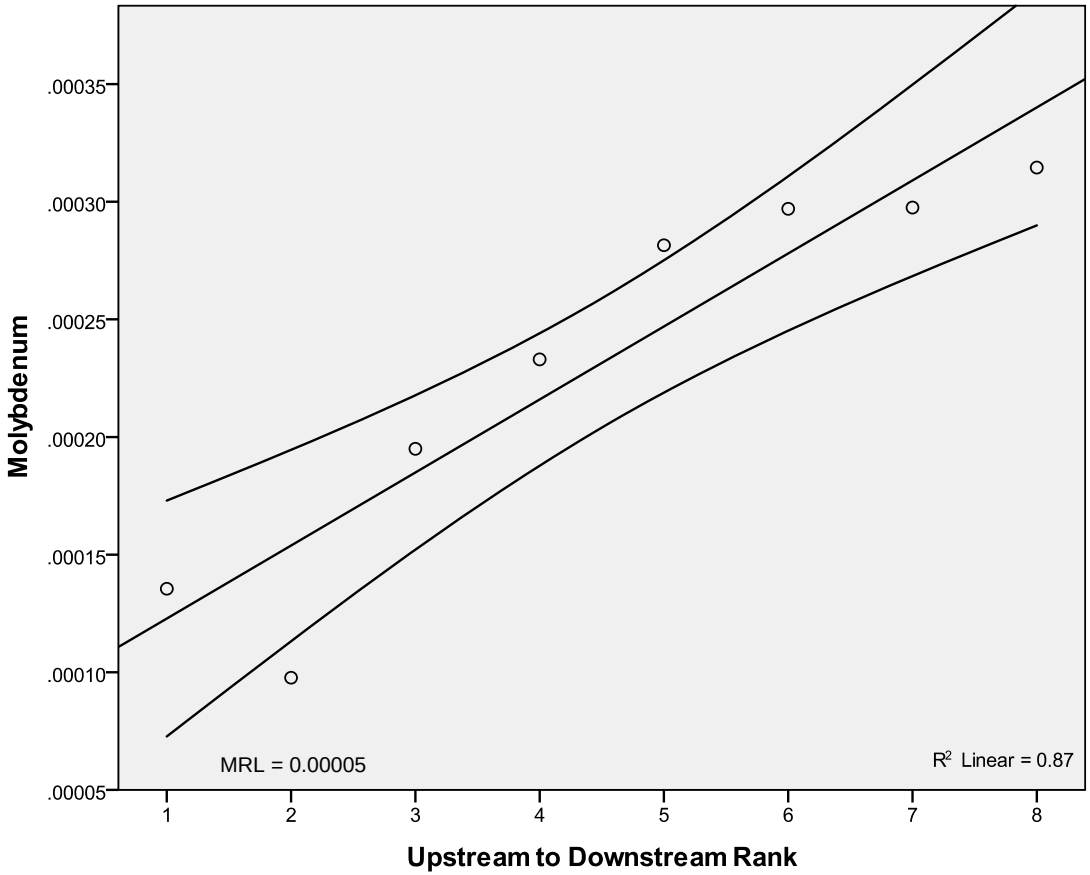

Location [a]	Rank [b]
UT100E	1
UT100D1	2
UT100D	3
UT100C2	4
UT100C1	5
UT100C	6
UT100B	7
UT100A	8

Notes:

a. Only main stem sample locations are shown.

b. Ranks begin with most upstream location (1 = most upstream, 8 = most downstream).

Notes:

Median concentrations (in milligrams per liter [mg/L]) shown on y-axis; x-axis shows sample locations from upstream to downstream.

Median concentrations include only detected values.

Regression coefficient (R^2) value corresponds to best fit line.

Confidence intervals on the mean are represented by the outer lines.

MRL = method reporting limit.

APPENDIX 9.1F

River and Creek Temporal Line Graphs: North Fork Koktuli River, South Fork Koktuli River, and Upper Talarik Creek, Mine Study Area 2004-2008

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SOUTH FORK KOKTULI RIVER……..…….25

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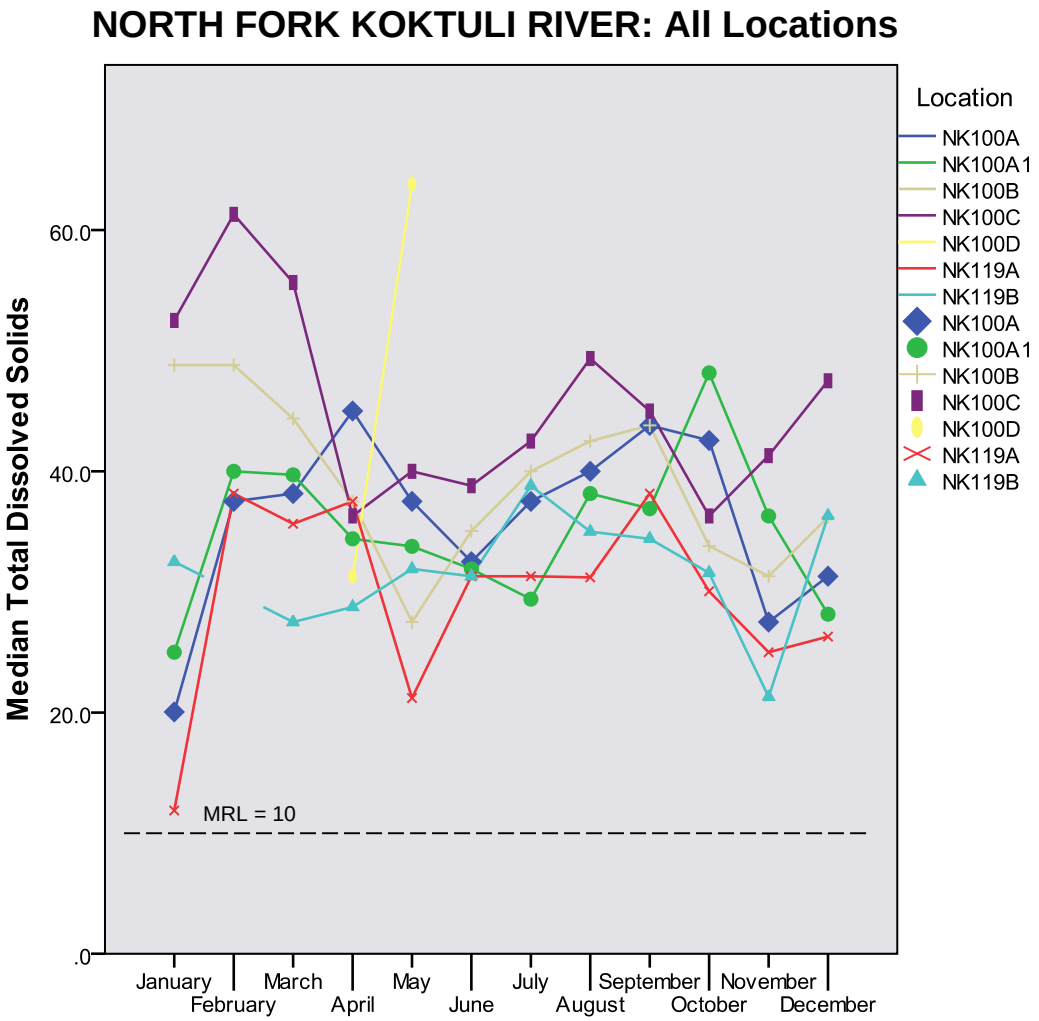
NORTH FORK KOKTULI RIVER



Notes:

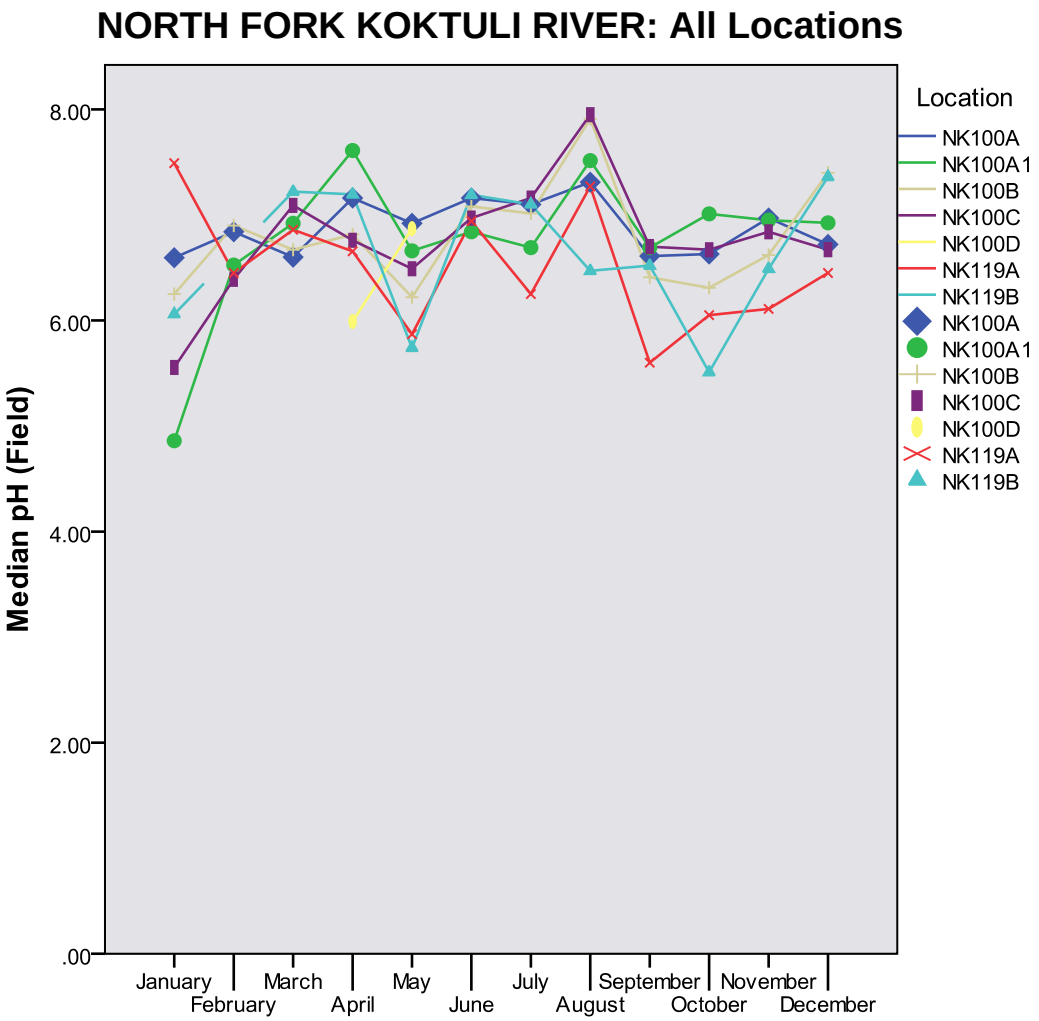
Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.



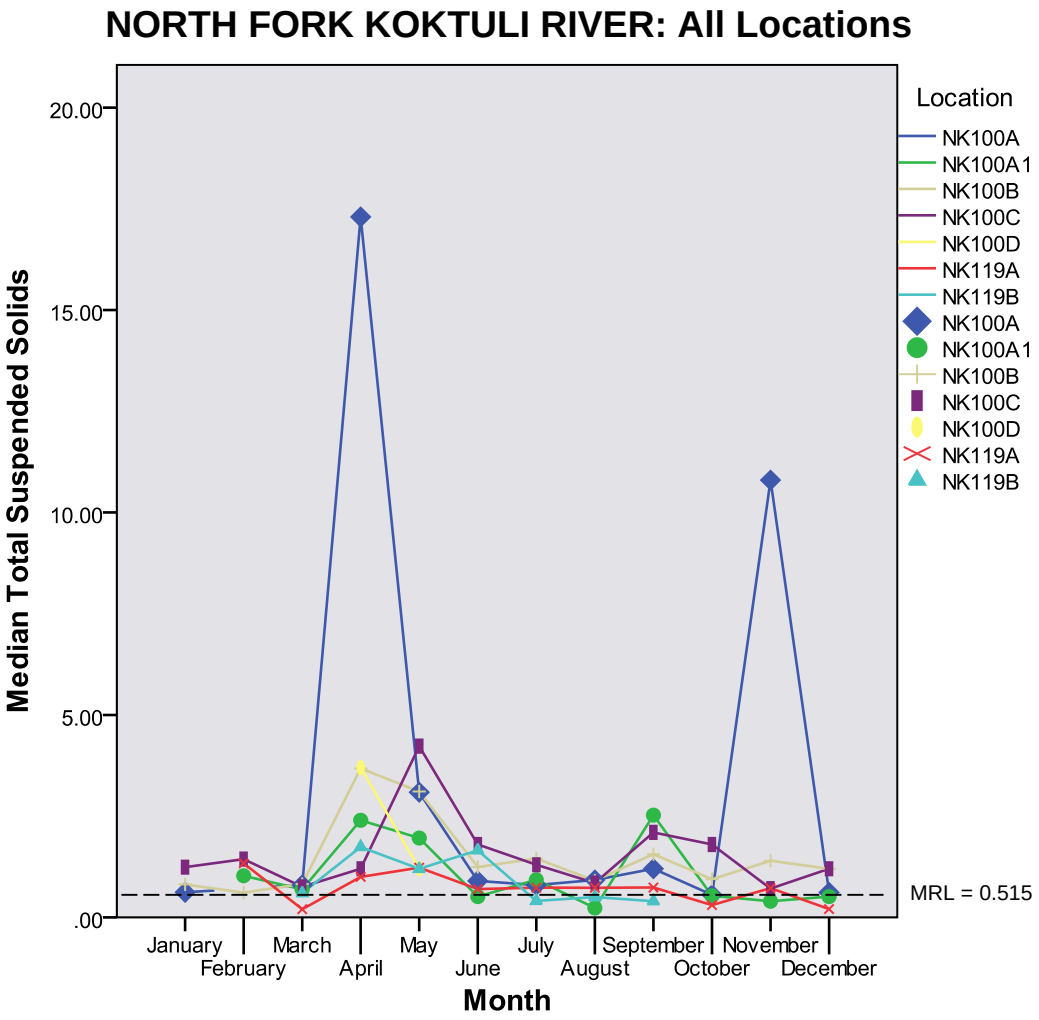
Notes:

Median analyte concentrations for each month are presented in standard pH units.

Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.



Notes:

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Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

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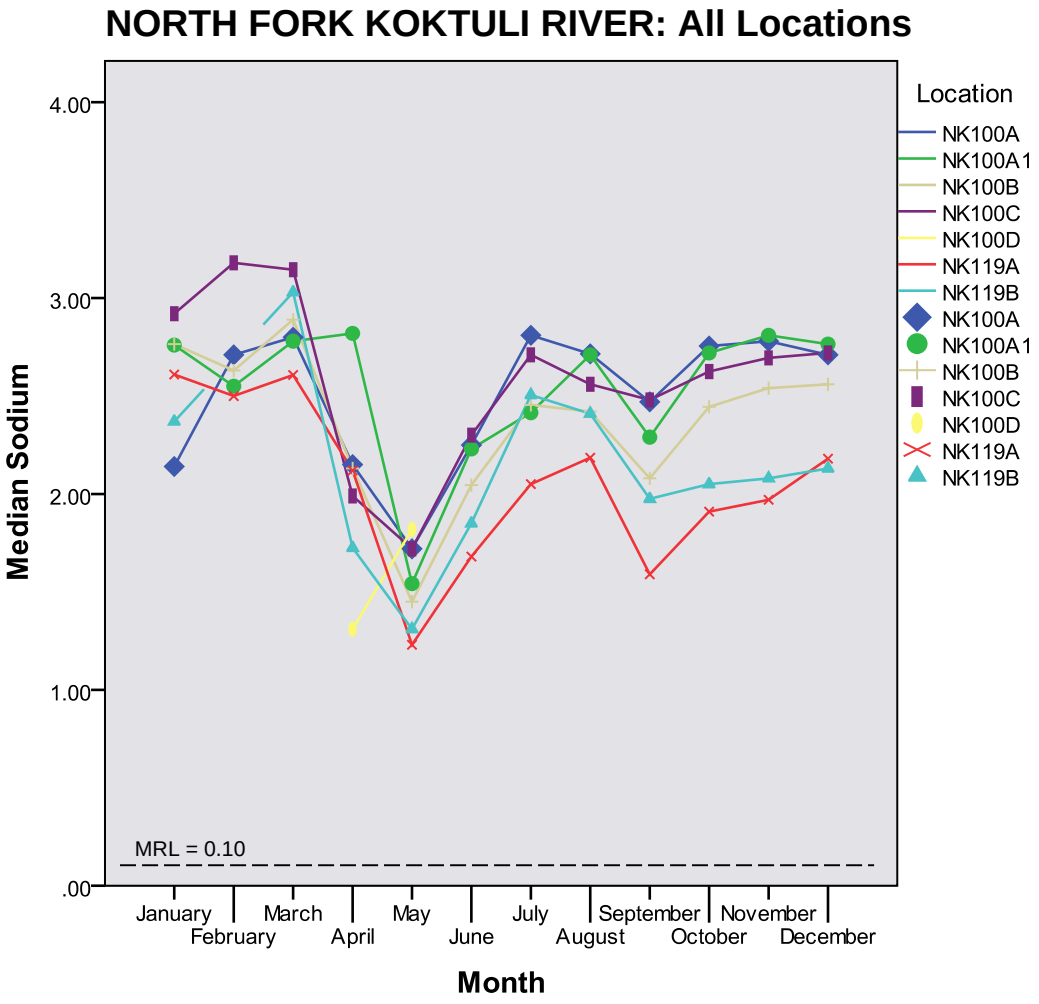

Notes:

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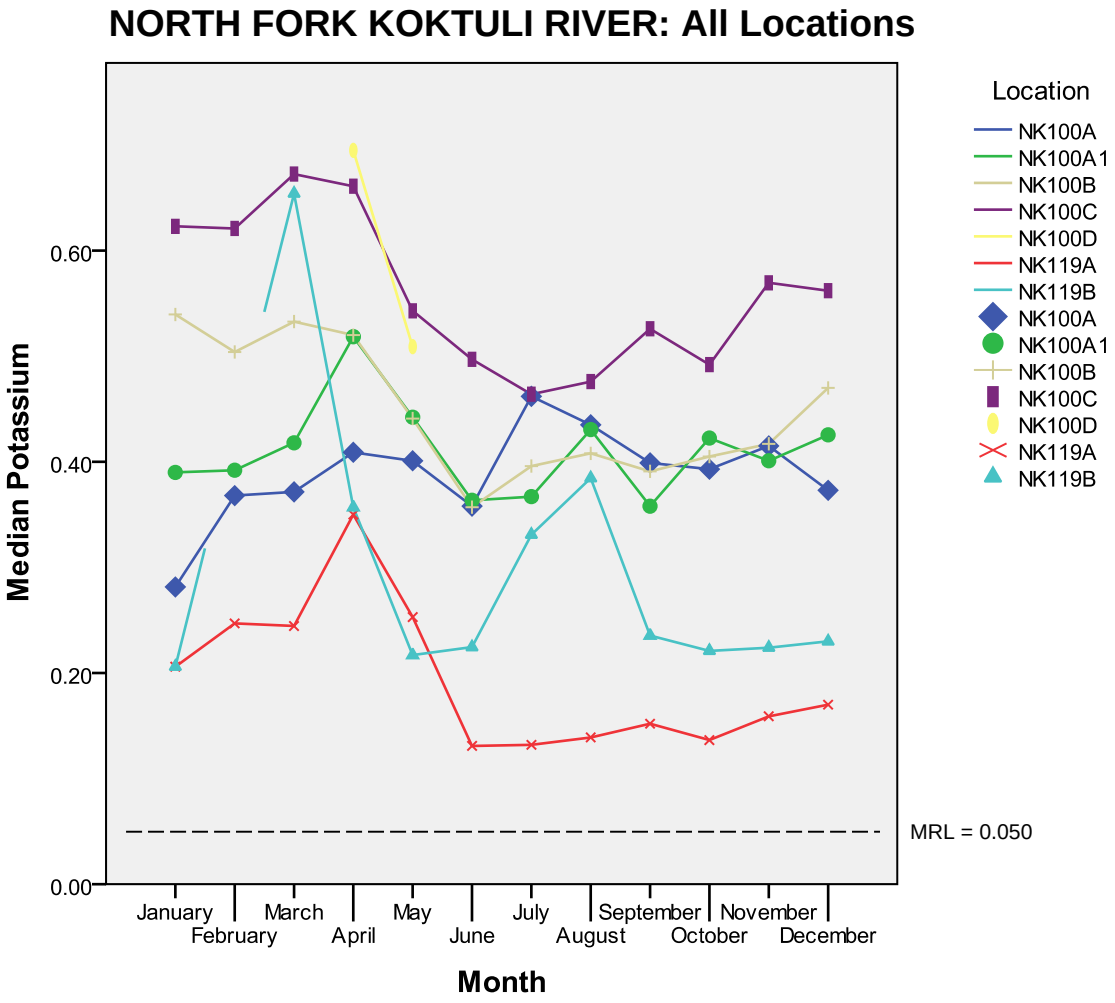

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

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Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

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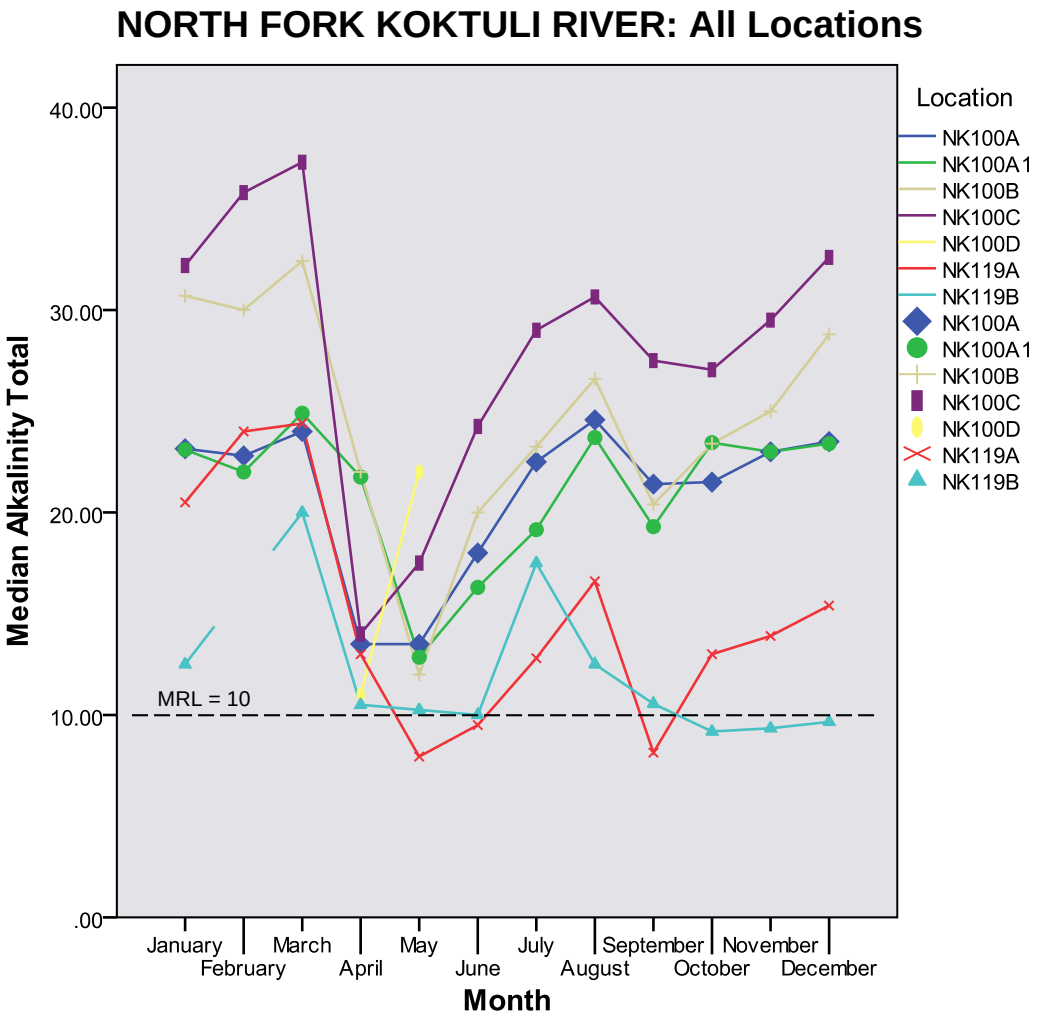

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

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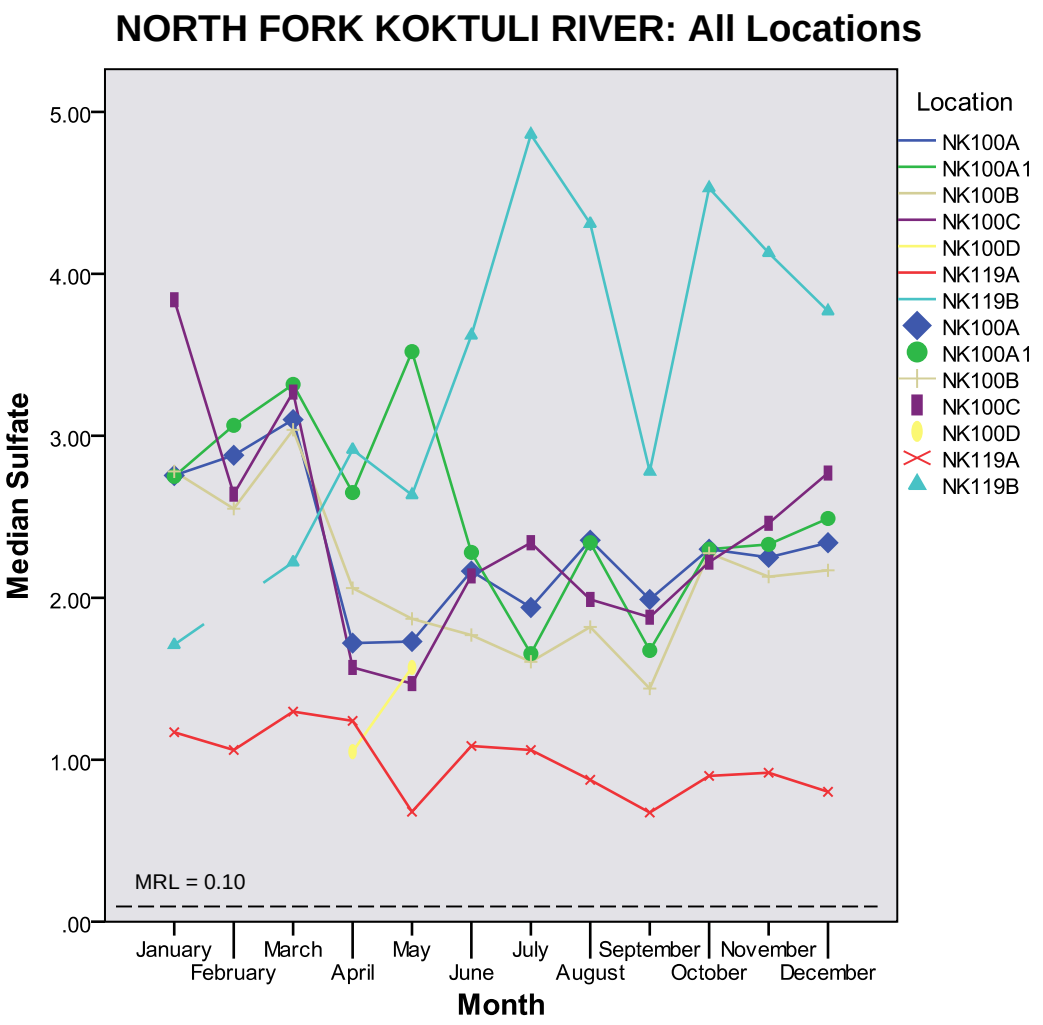

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

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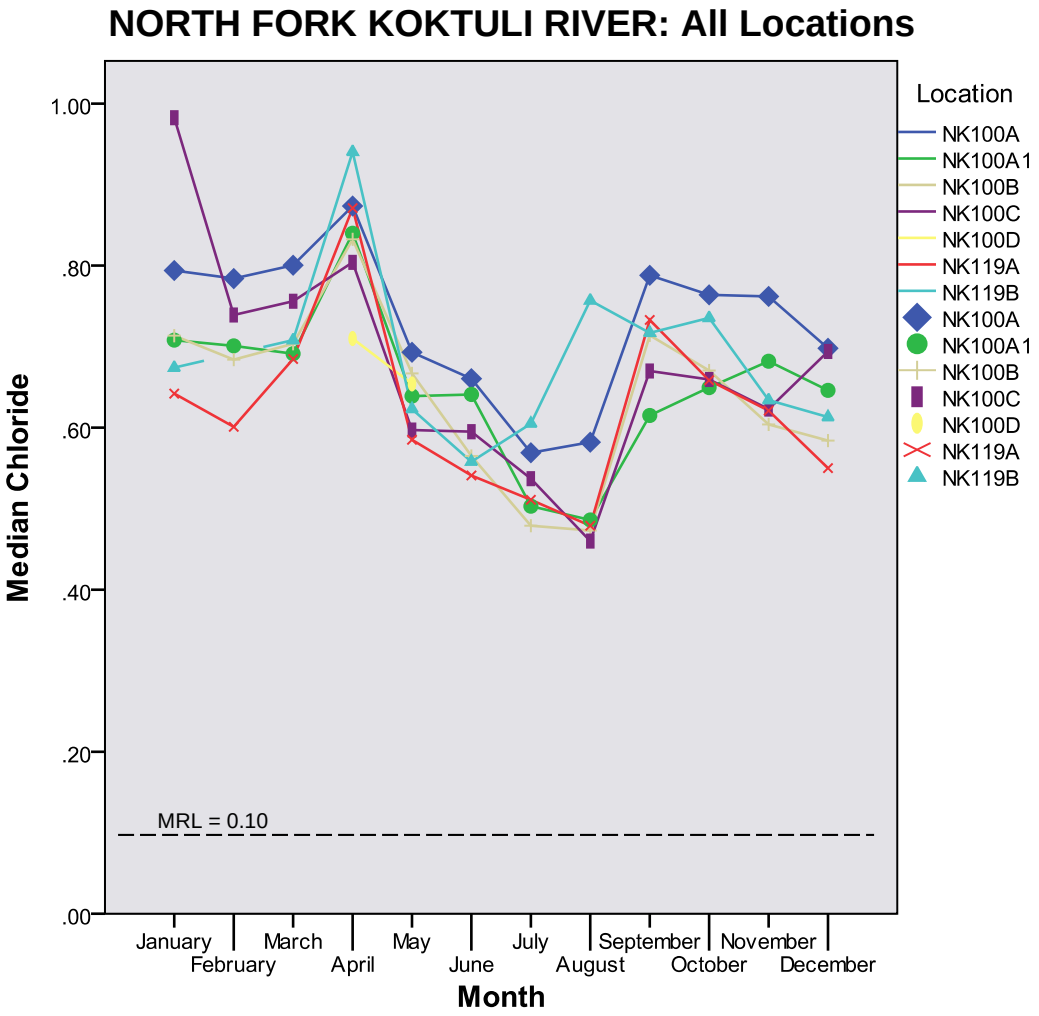

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

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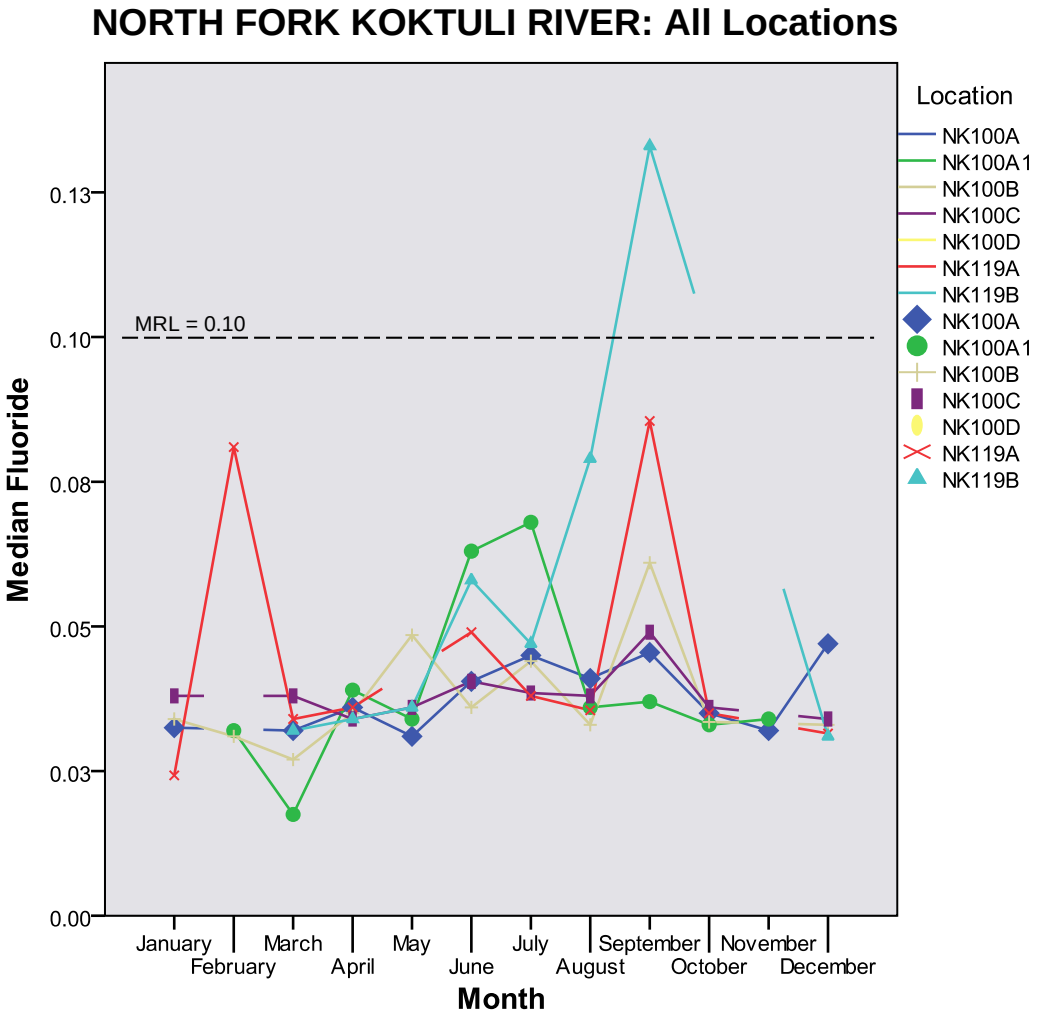

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

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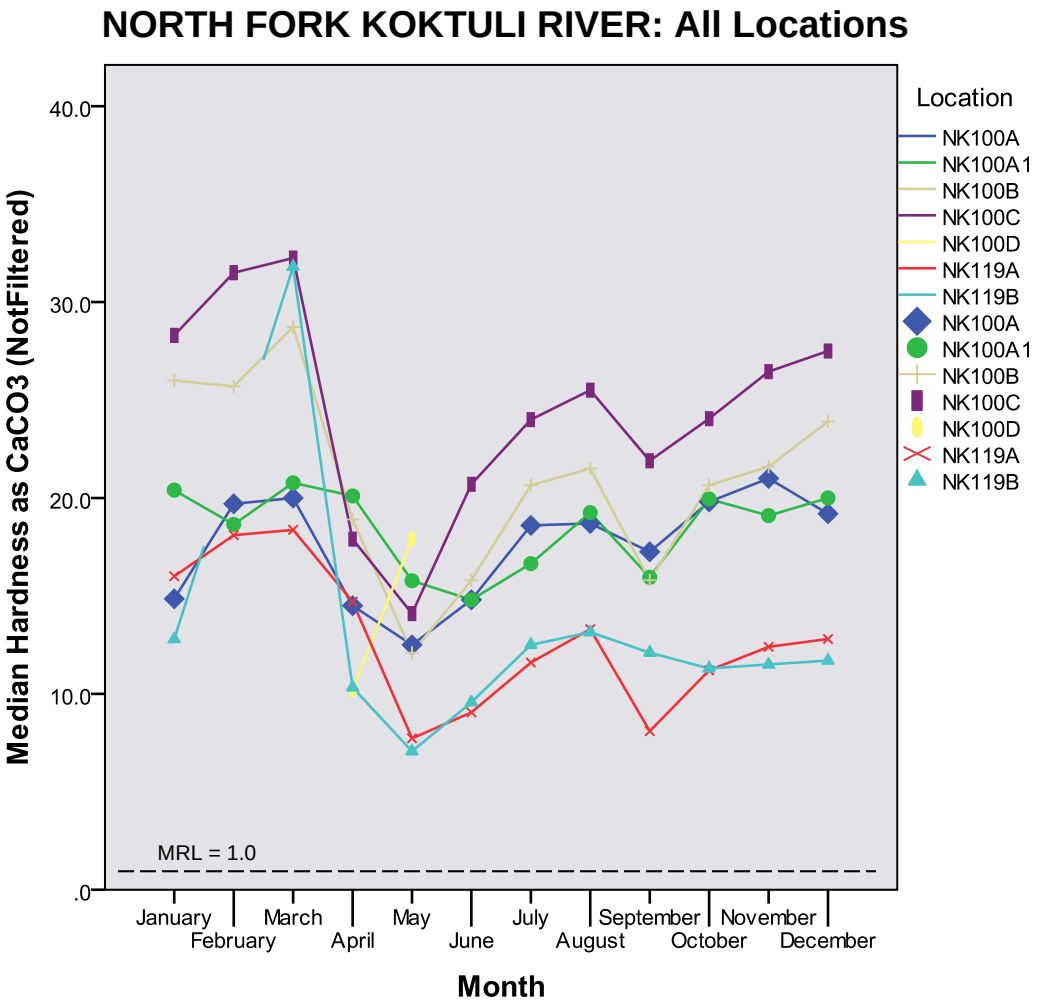

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

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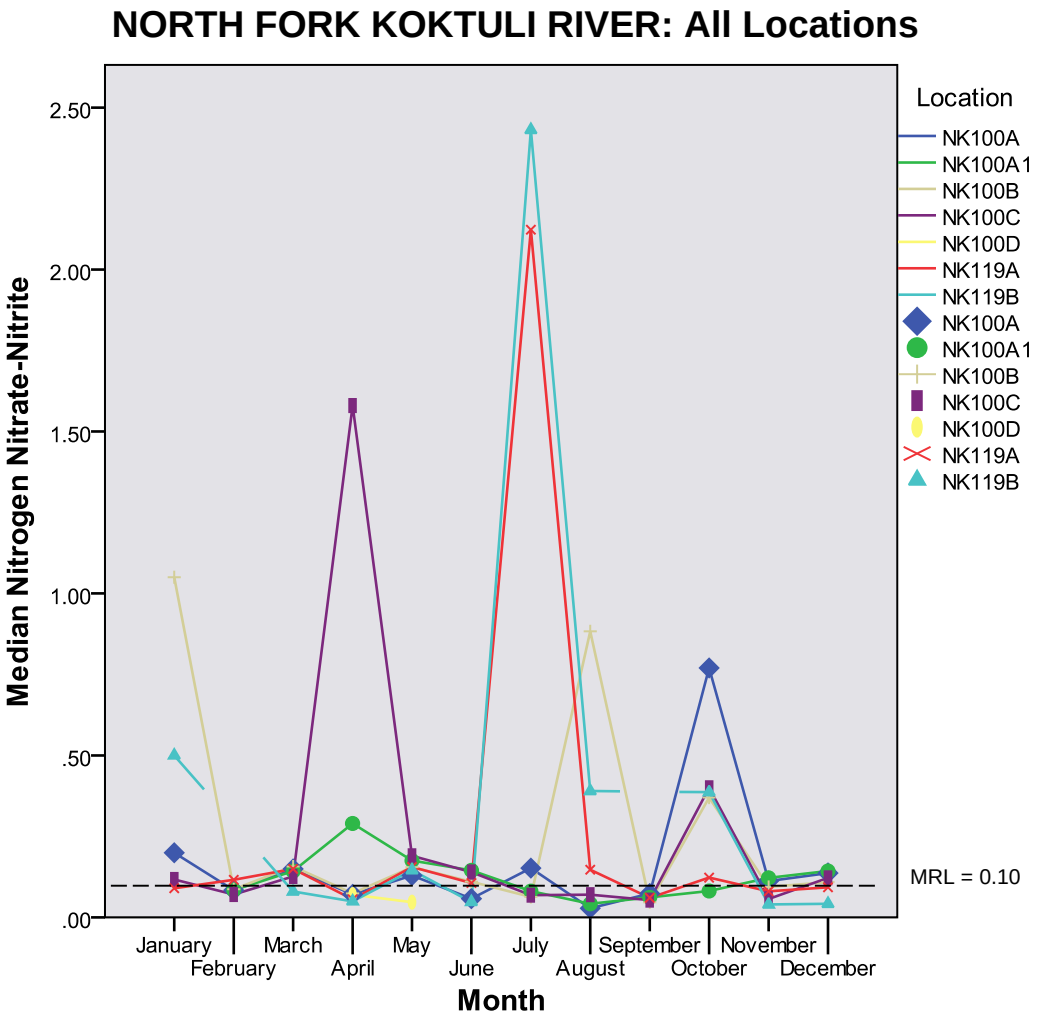

Notes:

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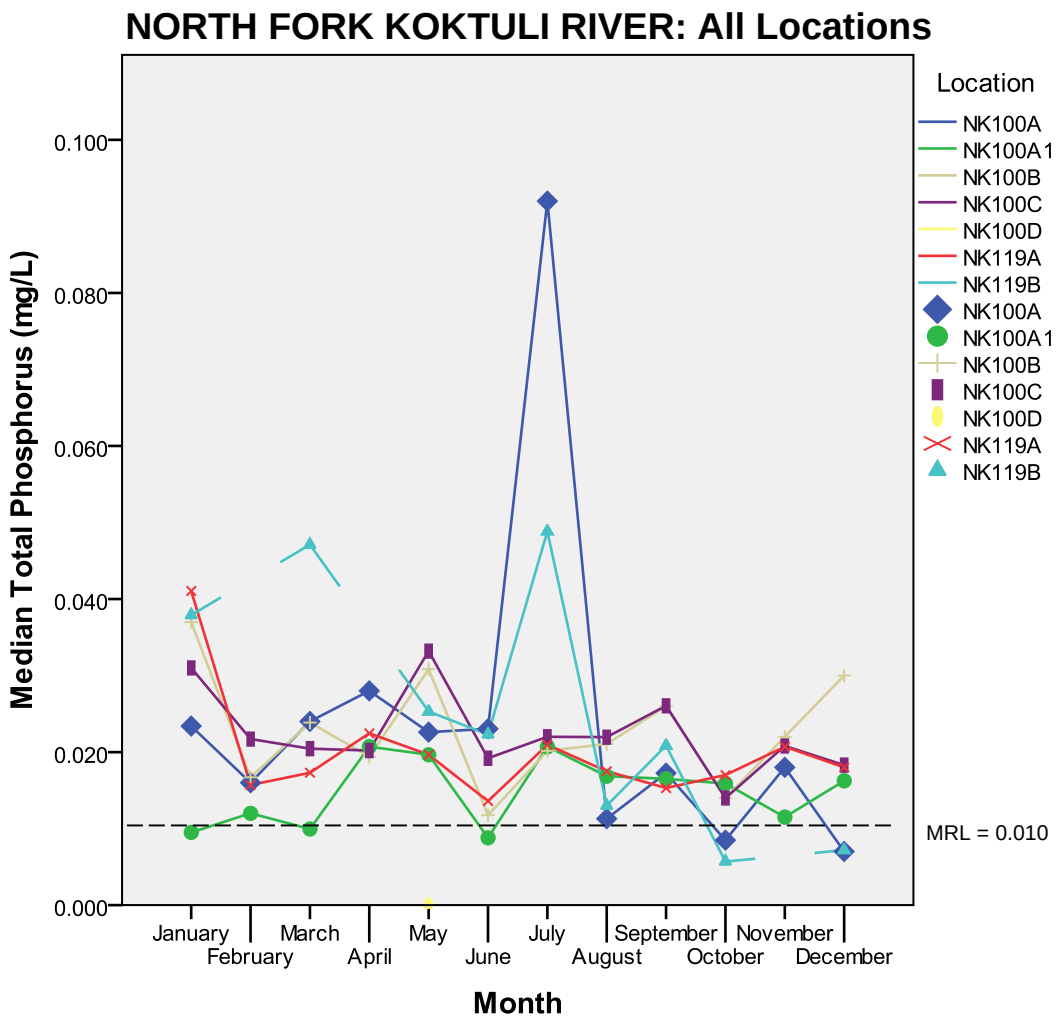

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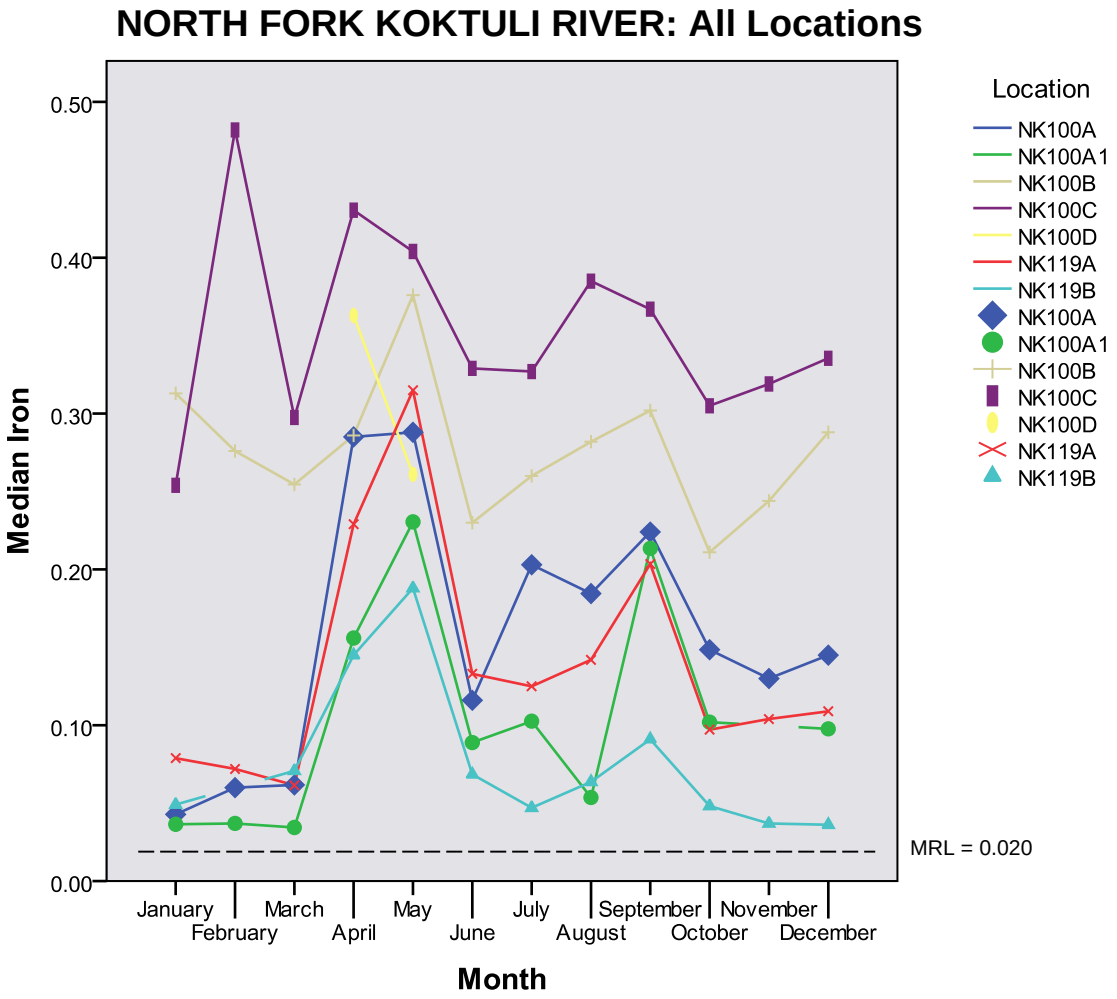


Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

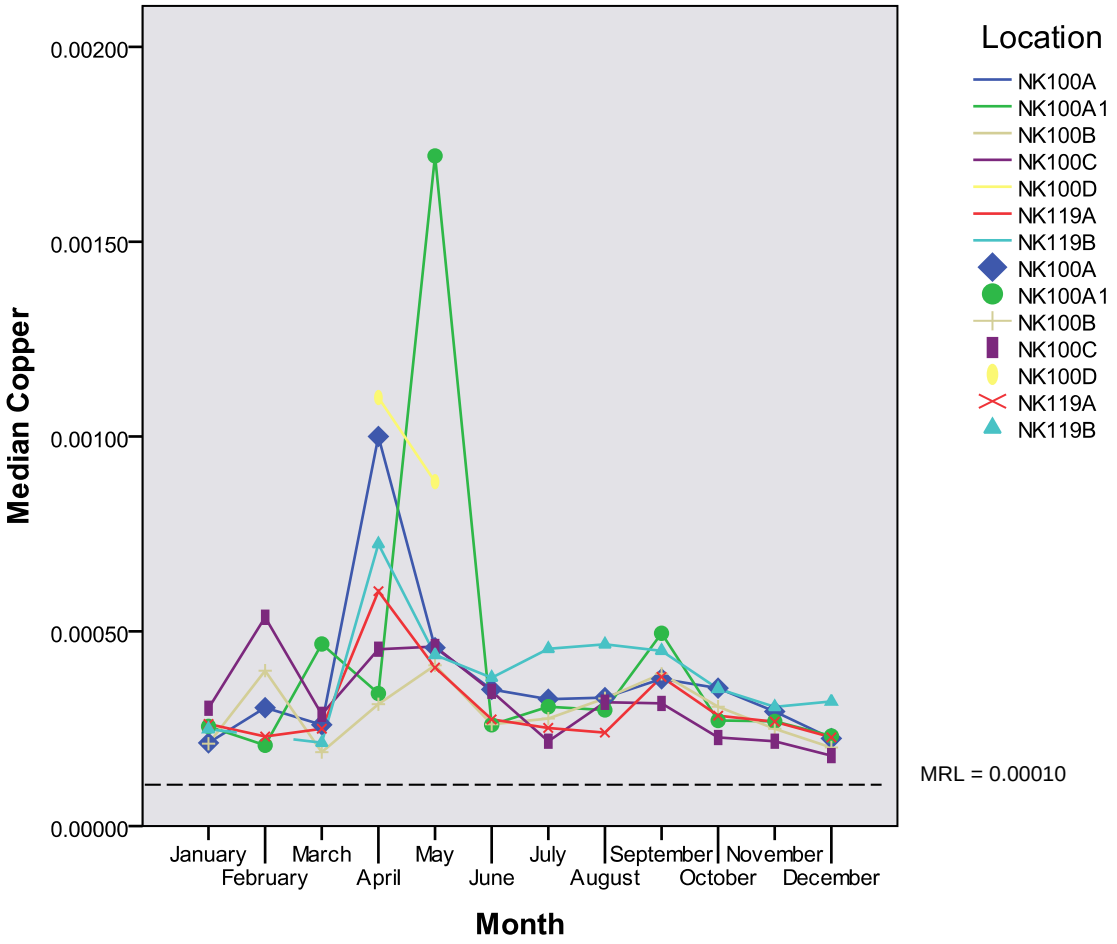
Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.

NORTH FORK KOKTULI RIVER: All Locations



Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

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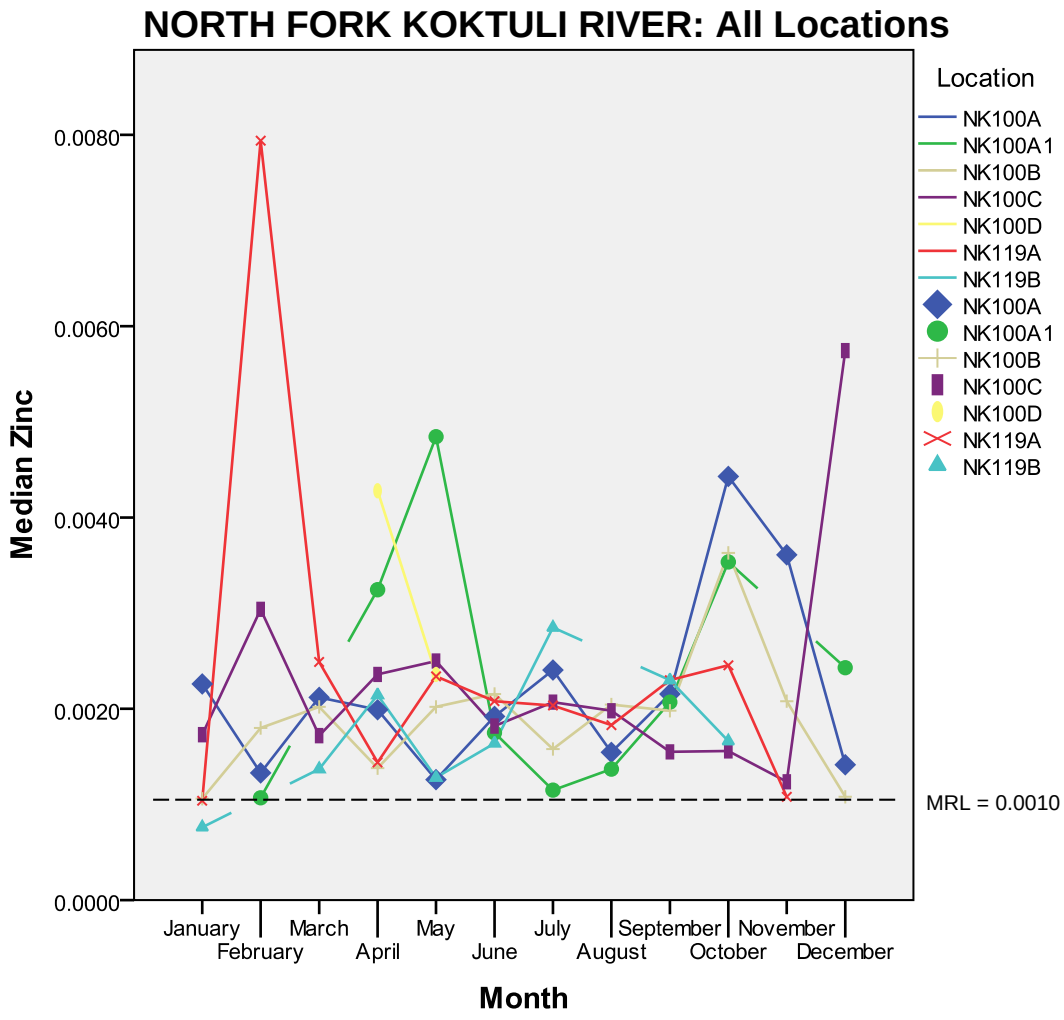

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

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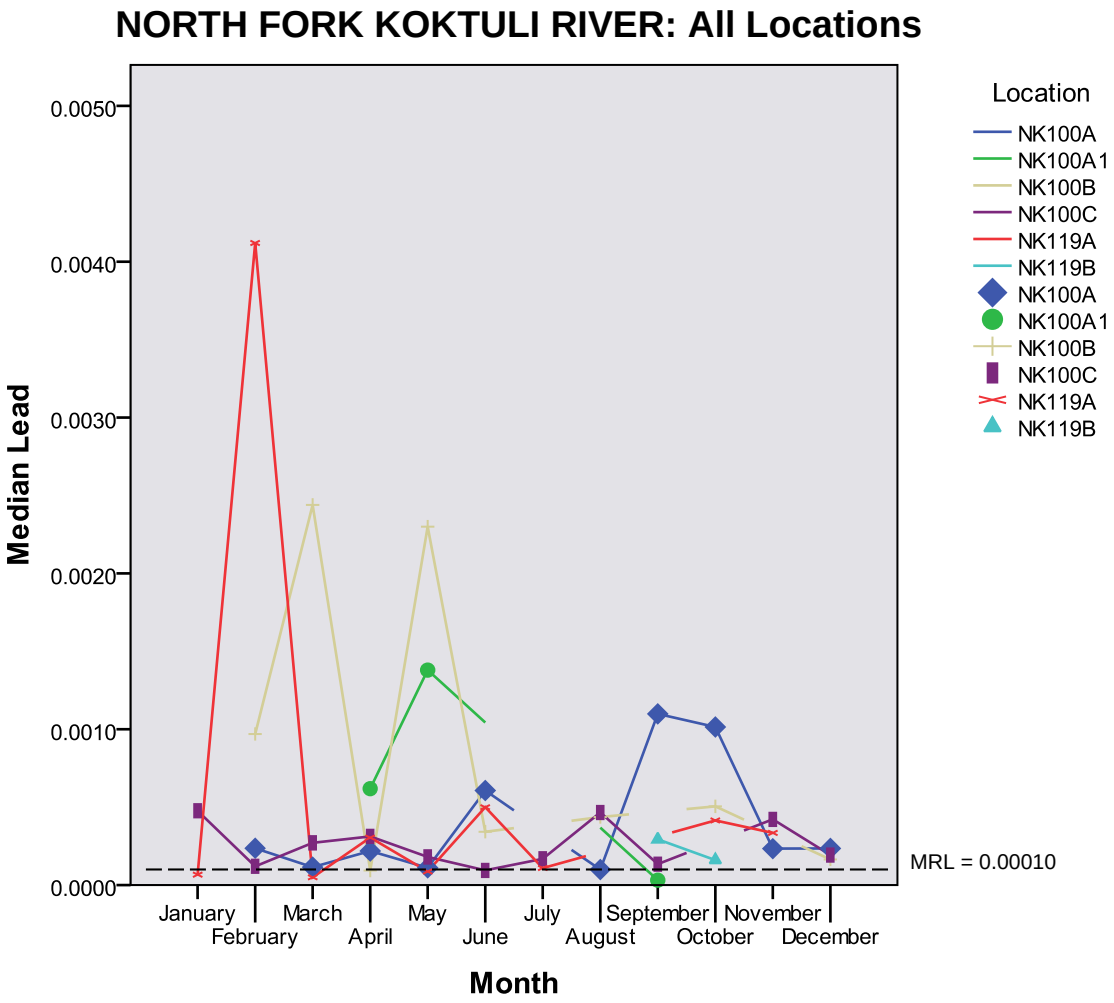

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

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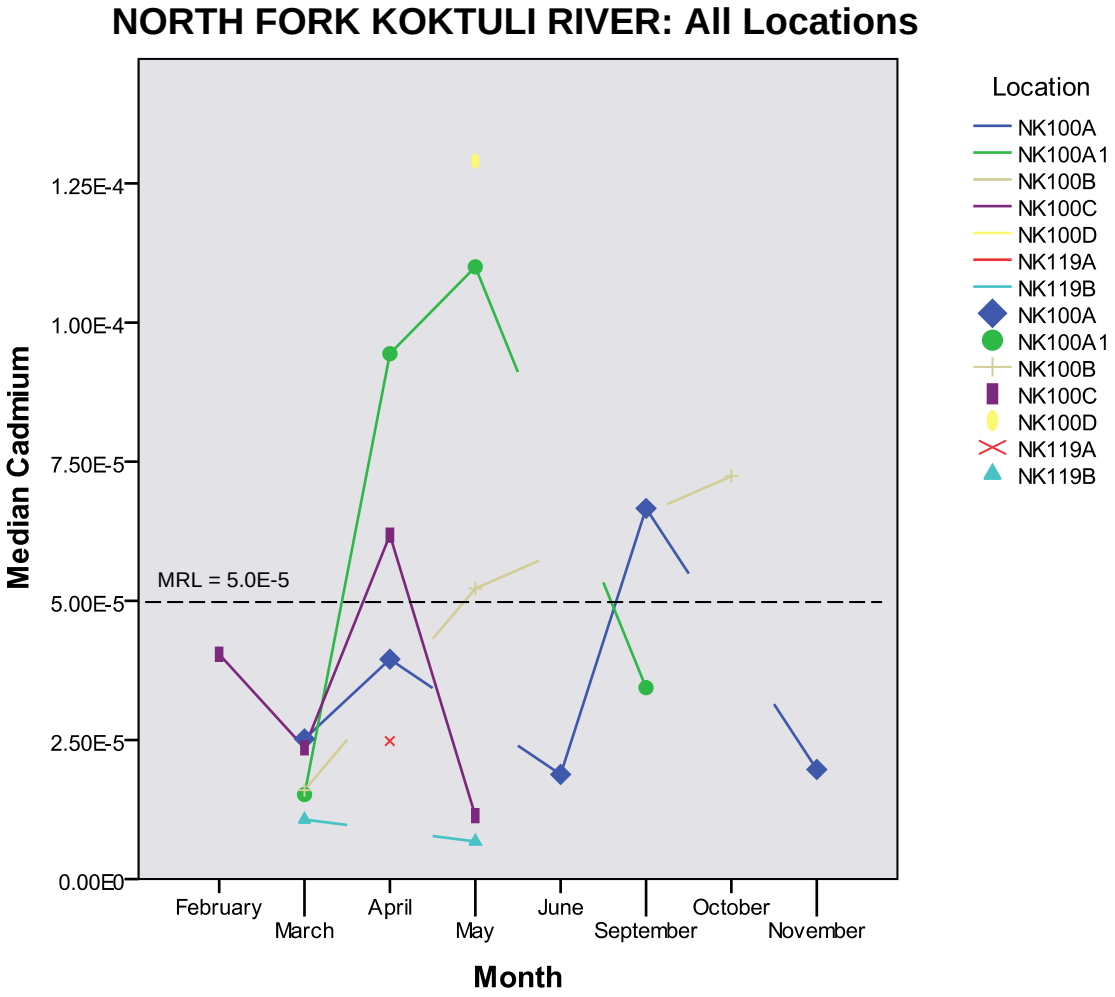

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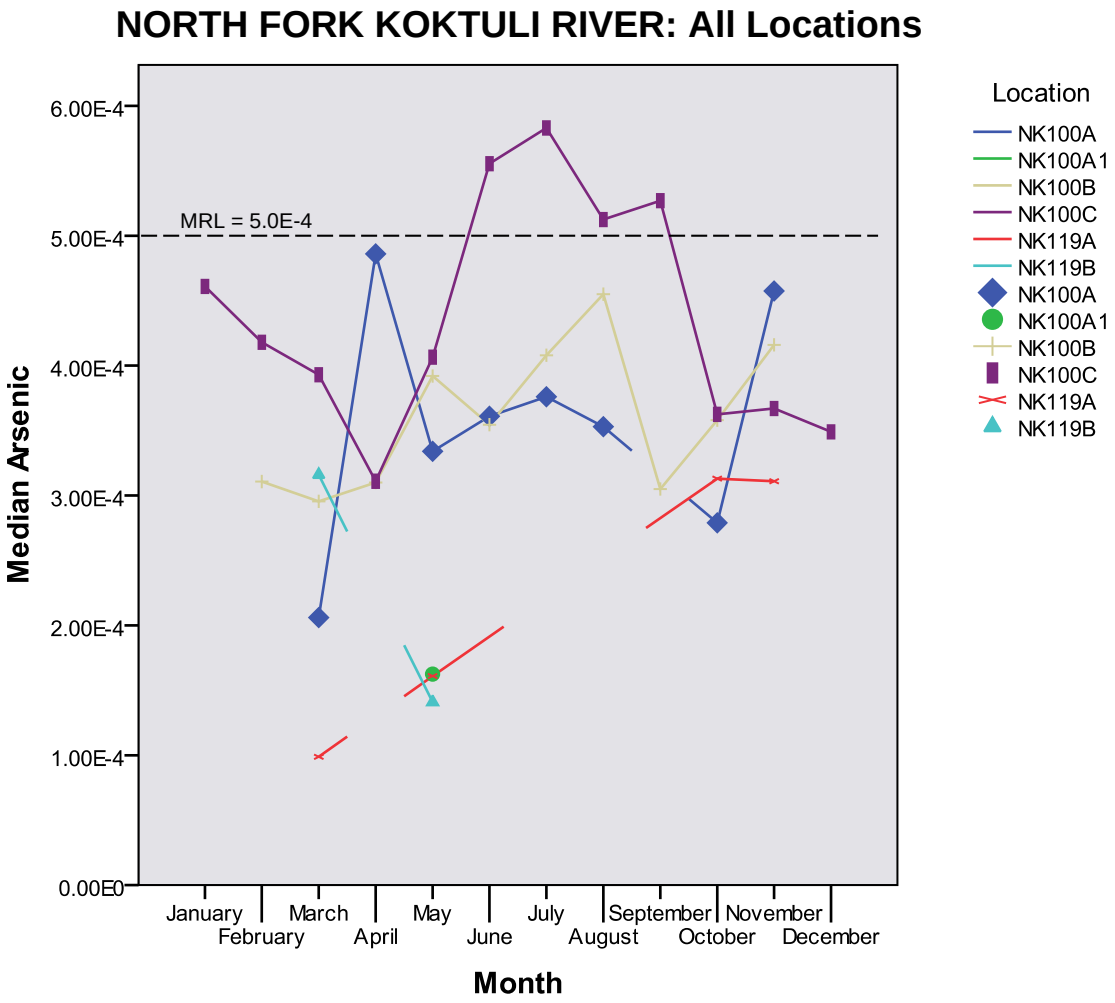

Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

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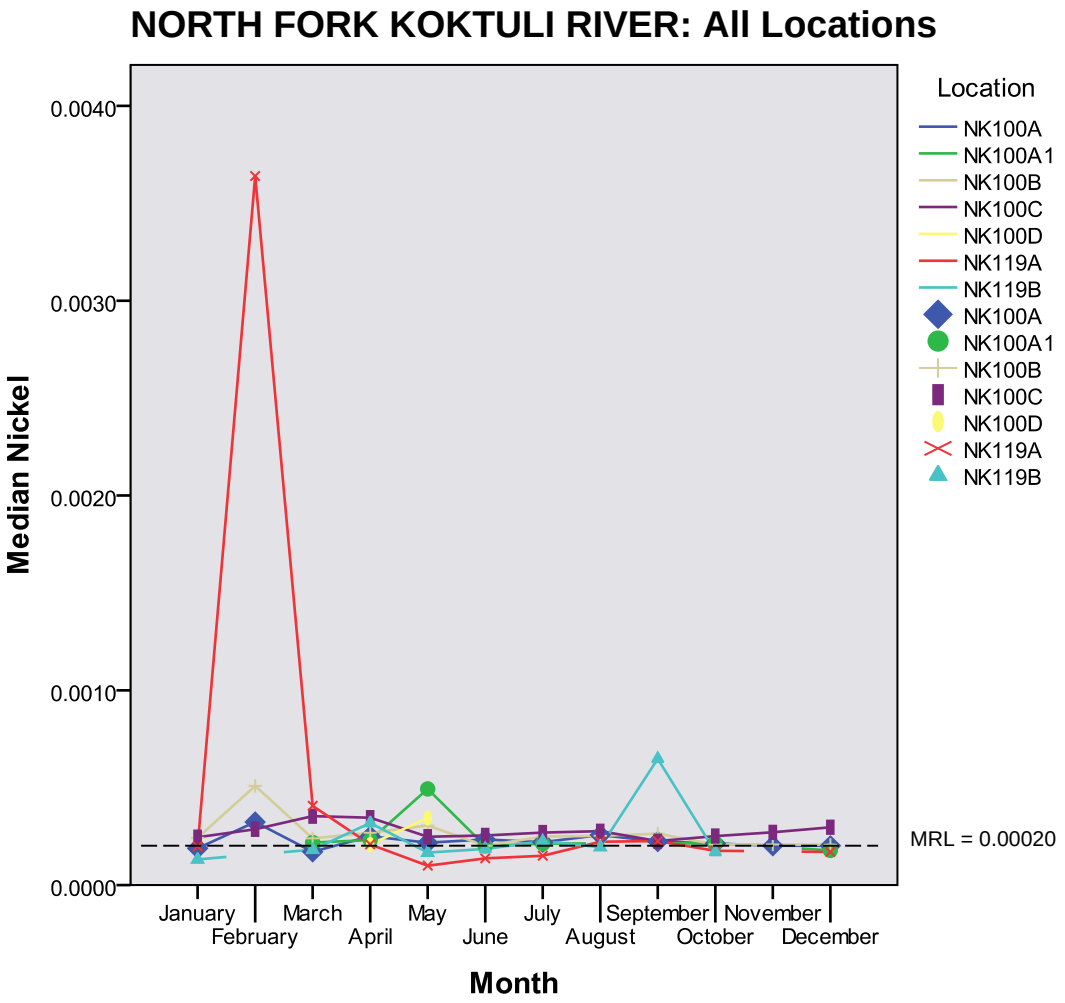

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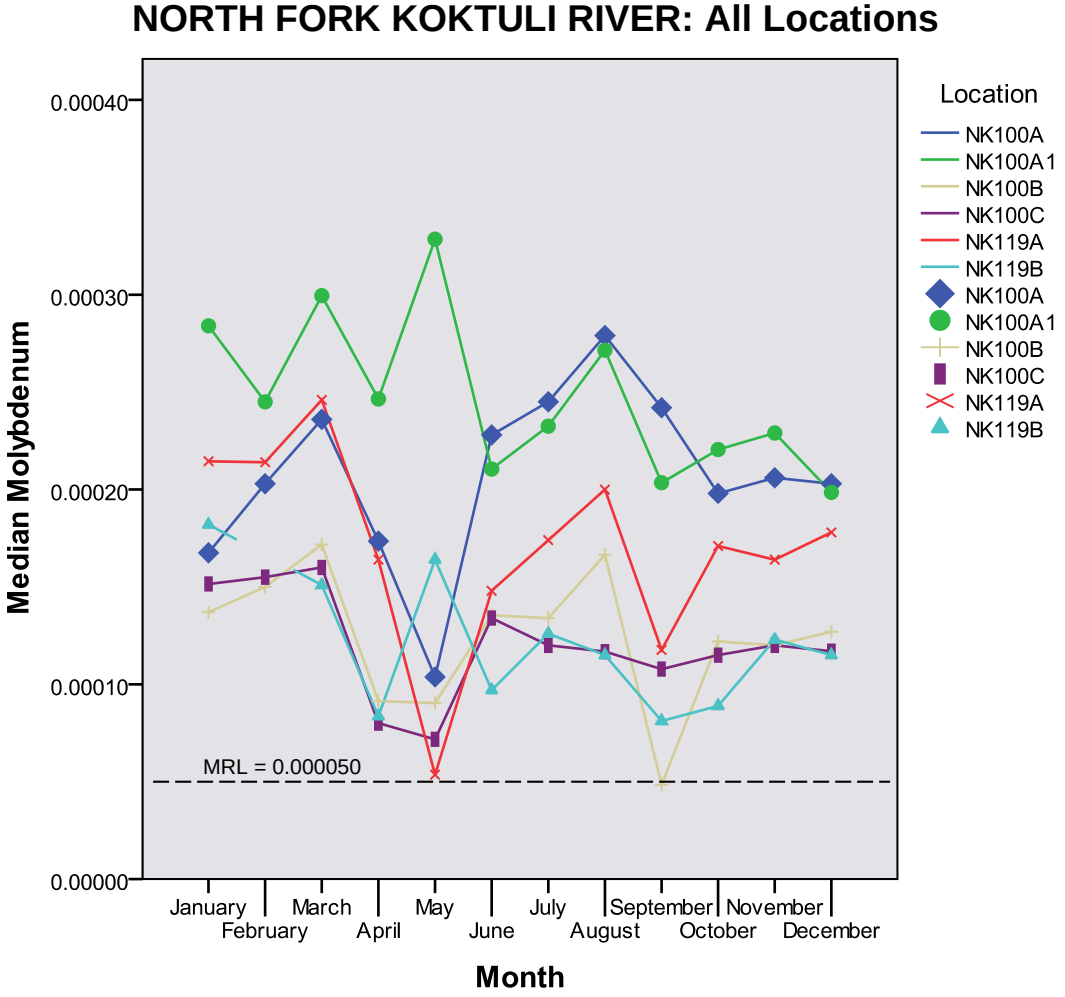

Notes:

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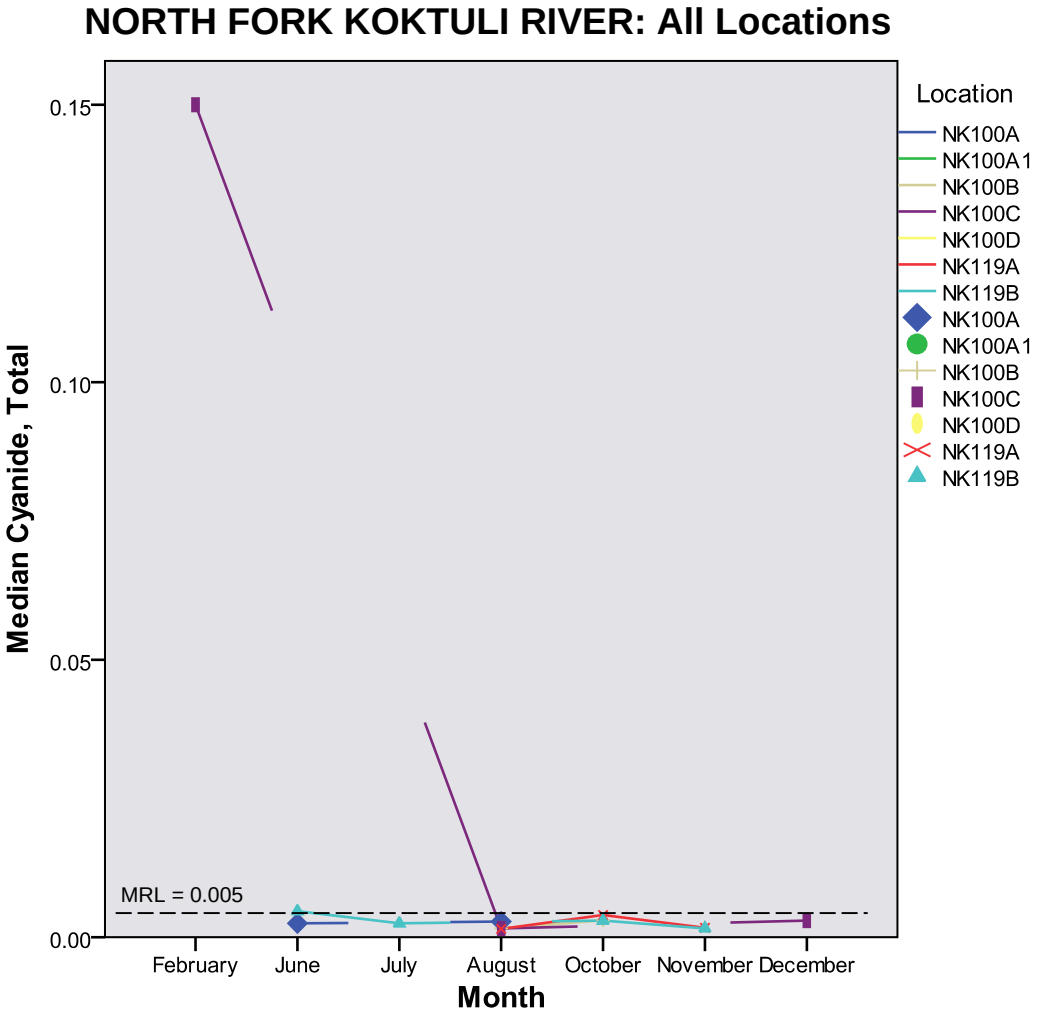

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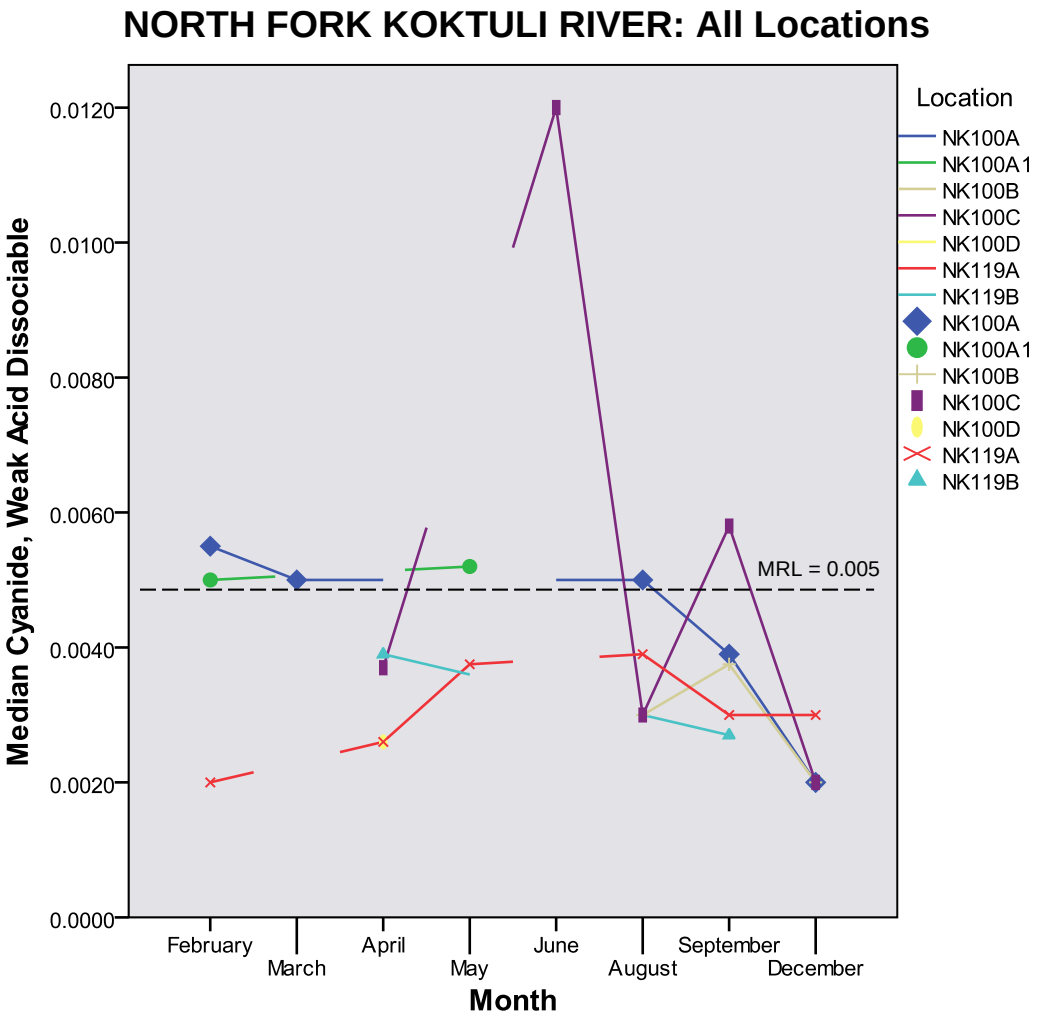

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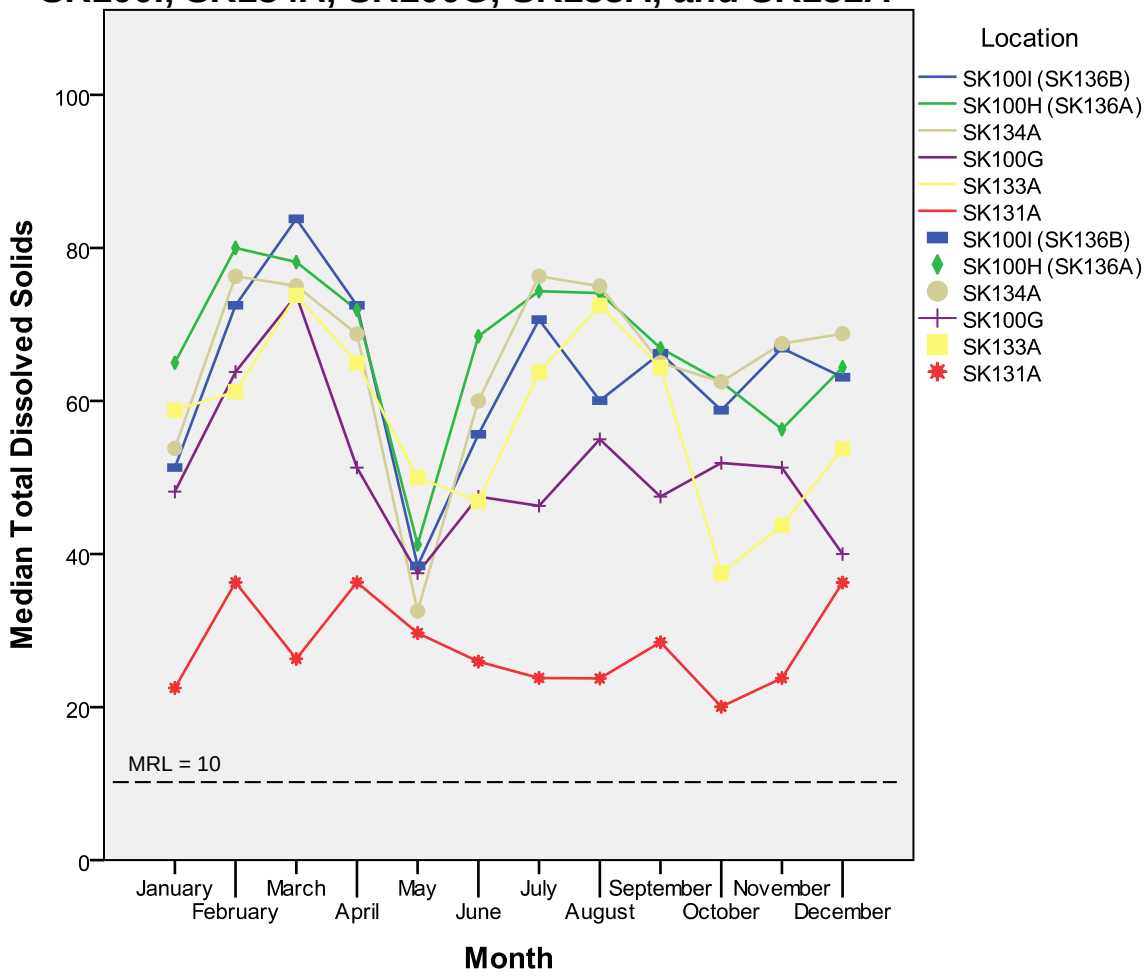
SOUTH FORK KOKTULI RIVER

SOUTH FORK KOKTULI RIVER: Locations SK100H, SK100I, SK134A, SK100G, SK133A, and SK131A



Notes:

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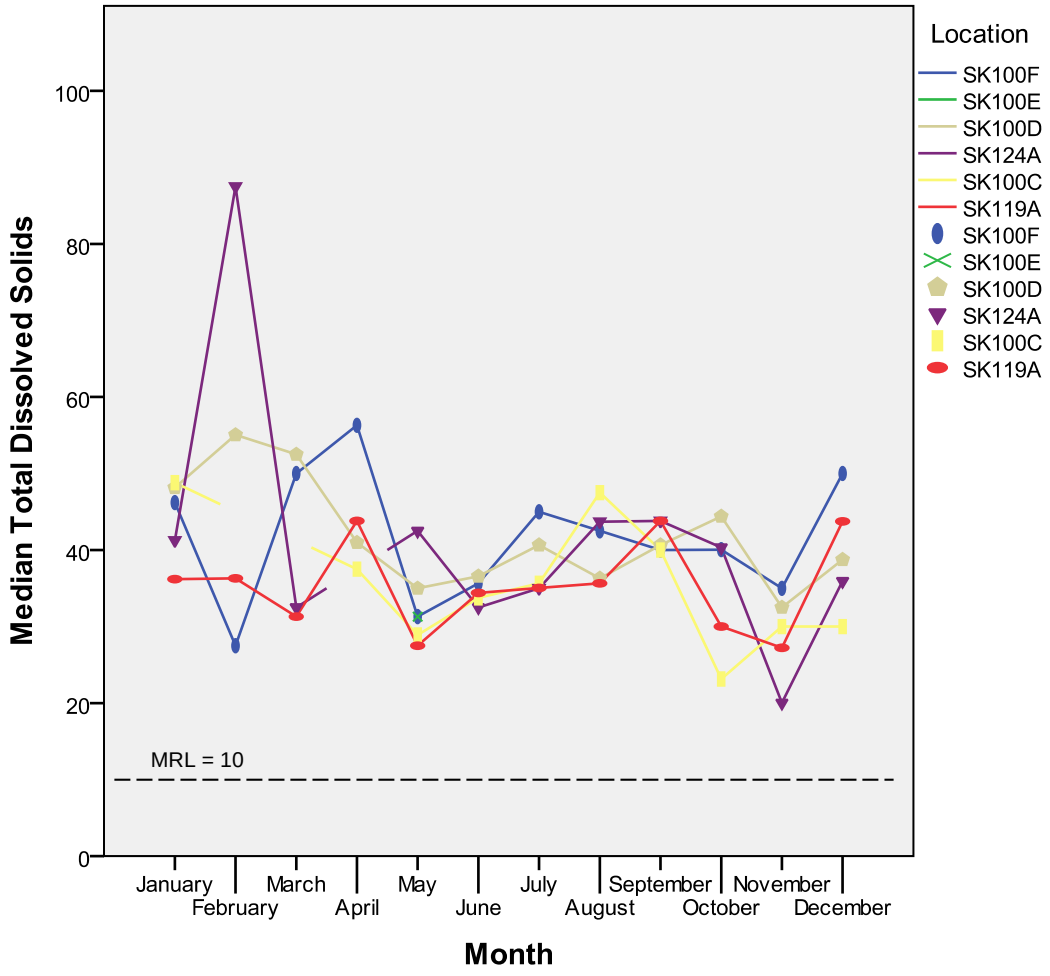
MRL = method reporting limit.

SOUTH FORK KOKTULI RIVER: Locations SK100F, SK100E, SK100D, SK124A, SK100C, and SK119A



Notes:

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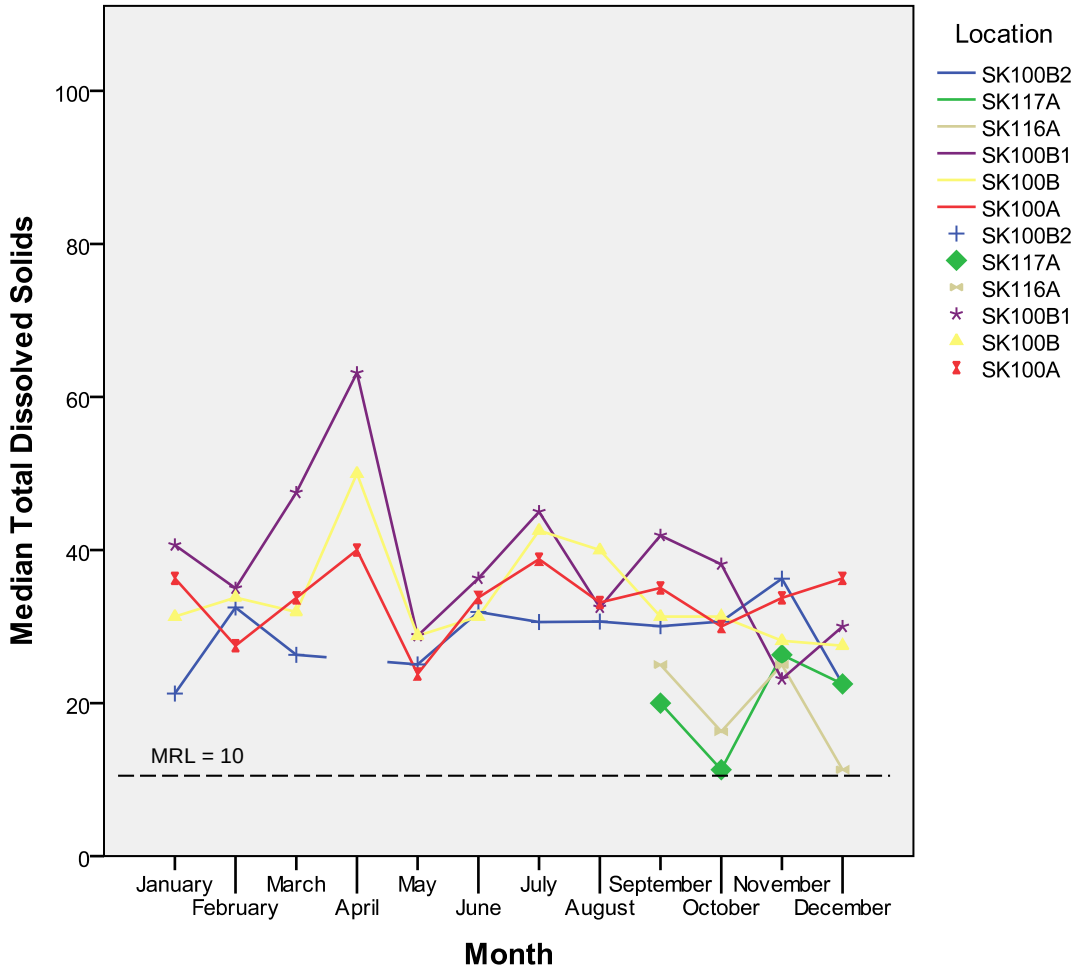
SOUTH FORK KOKTULI RIVER: Locations SK100B2, SK117A, SK116A, SK100B1, SK100B, and SK100A



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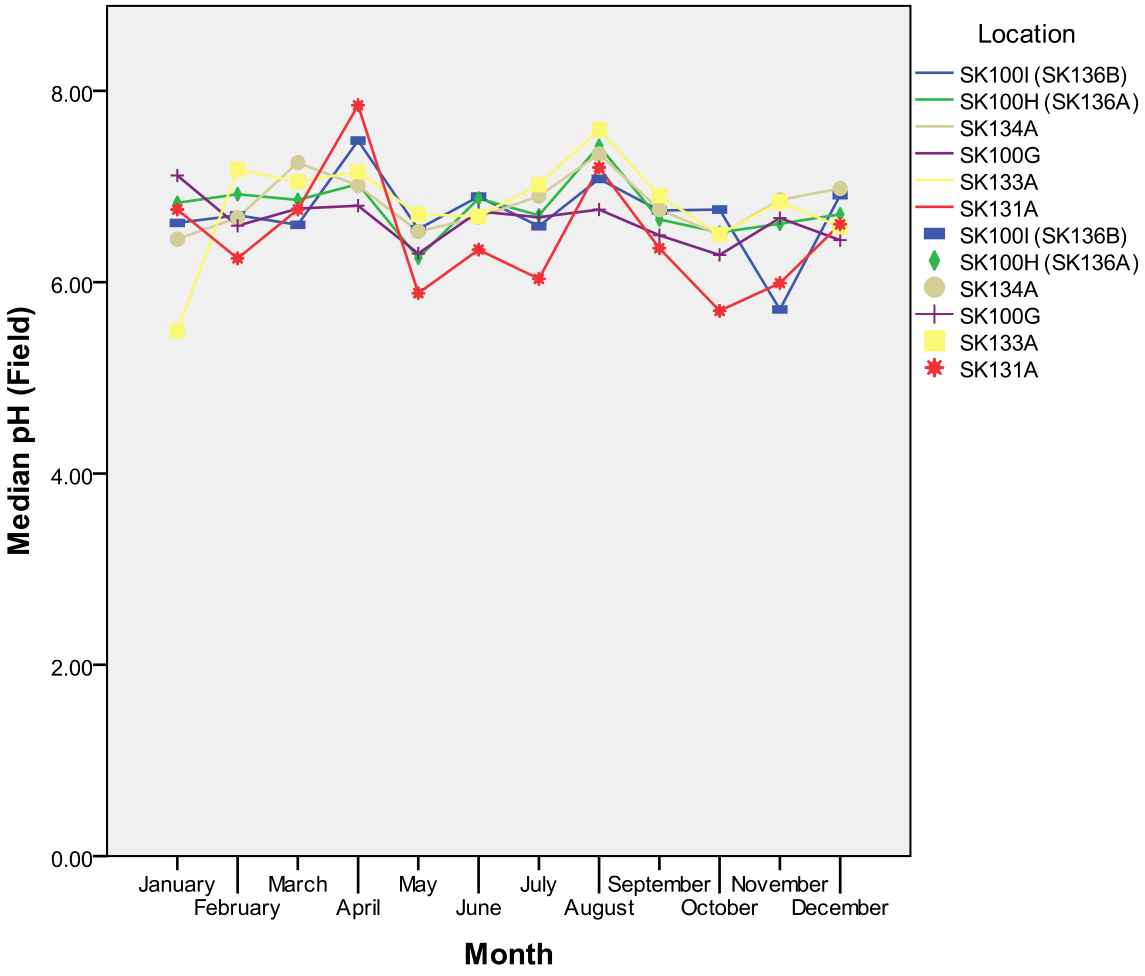
MRL = method reporting limit.

SOUTH FORK KOKTULI RIVER: Locations SK100H, SK100I, SK134A, SK100G, SK133A, and SK131A



Notes:

Median analyte concentrations for each month are presented in standard pH units.

Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

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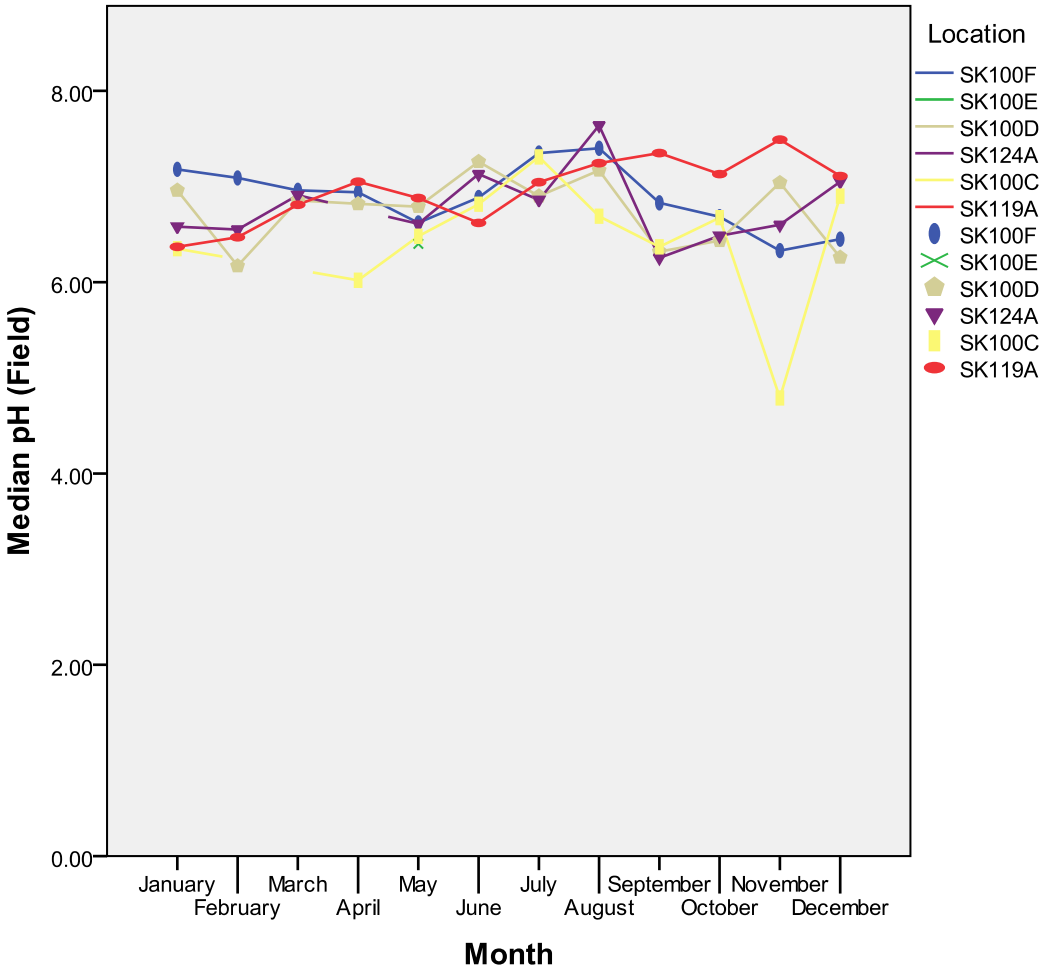
SOUTH FORK KOKTULI RIVER: Locations SK100F, SK100E, SK100D, SK124A, SK100C, and SK119A



Notes:

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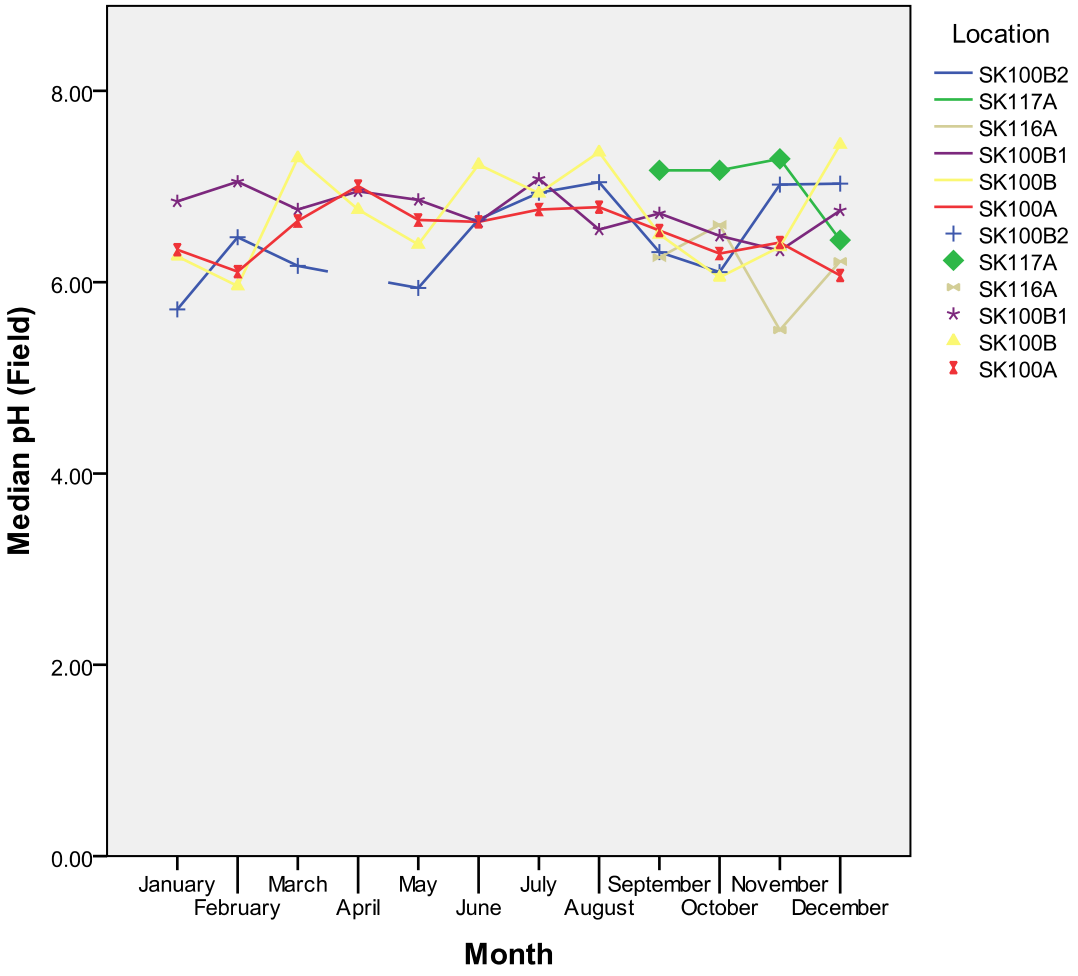
SOUTH FORK KOKTULI RIVER: Locations SK100B2, SK117A, SK116A, SK100B1, SK100B, and SK100A



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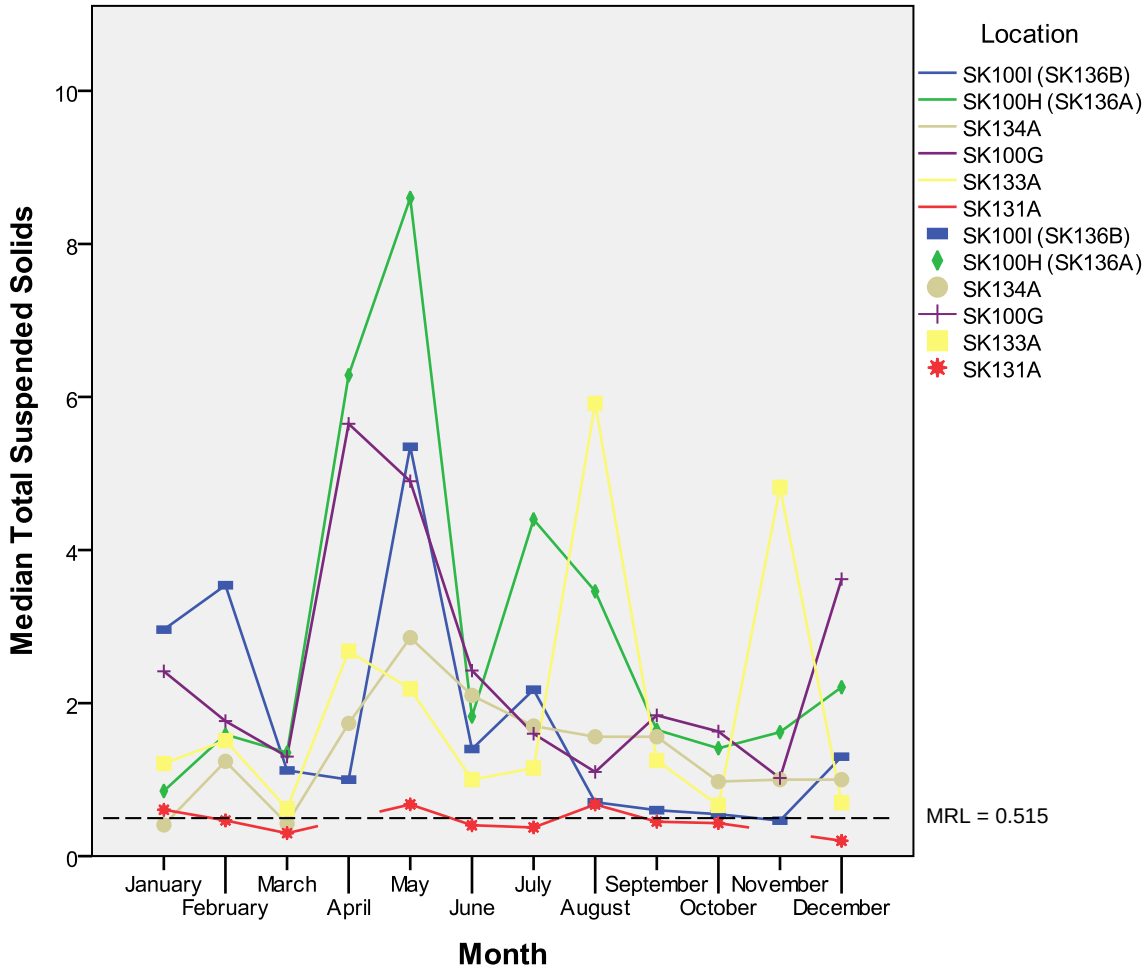
SOUTH FORK KOKTULI RIVER: Locations SK100H, SK100I, SK134A, SK100G, SK133A, and SK131A



Notes:

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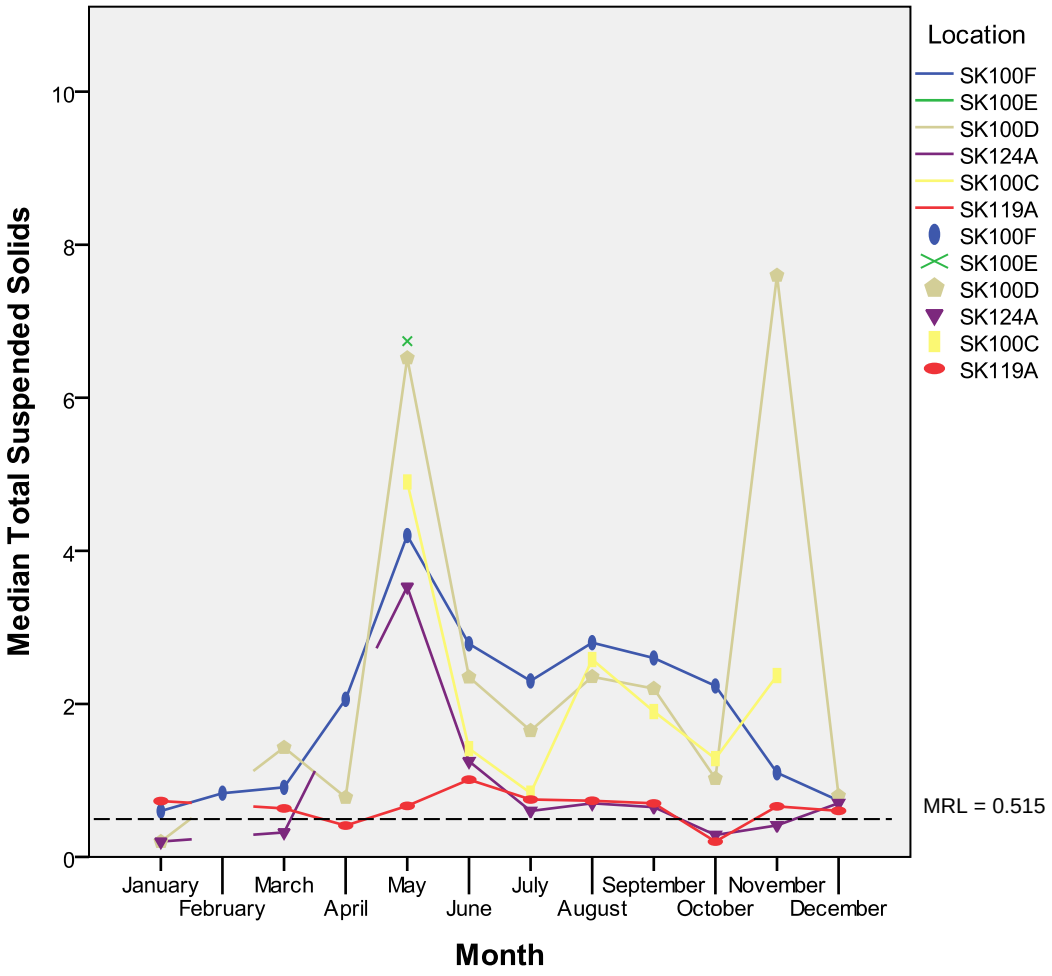
MRL = method reporting limit.

SOUTH FORK KOKTULI RIVER: Locations SK100F, SK100E, SK100D, SK124A, SK100C, and SK119A



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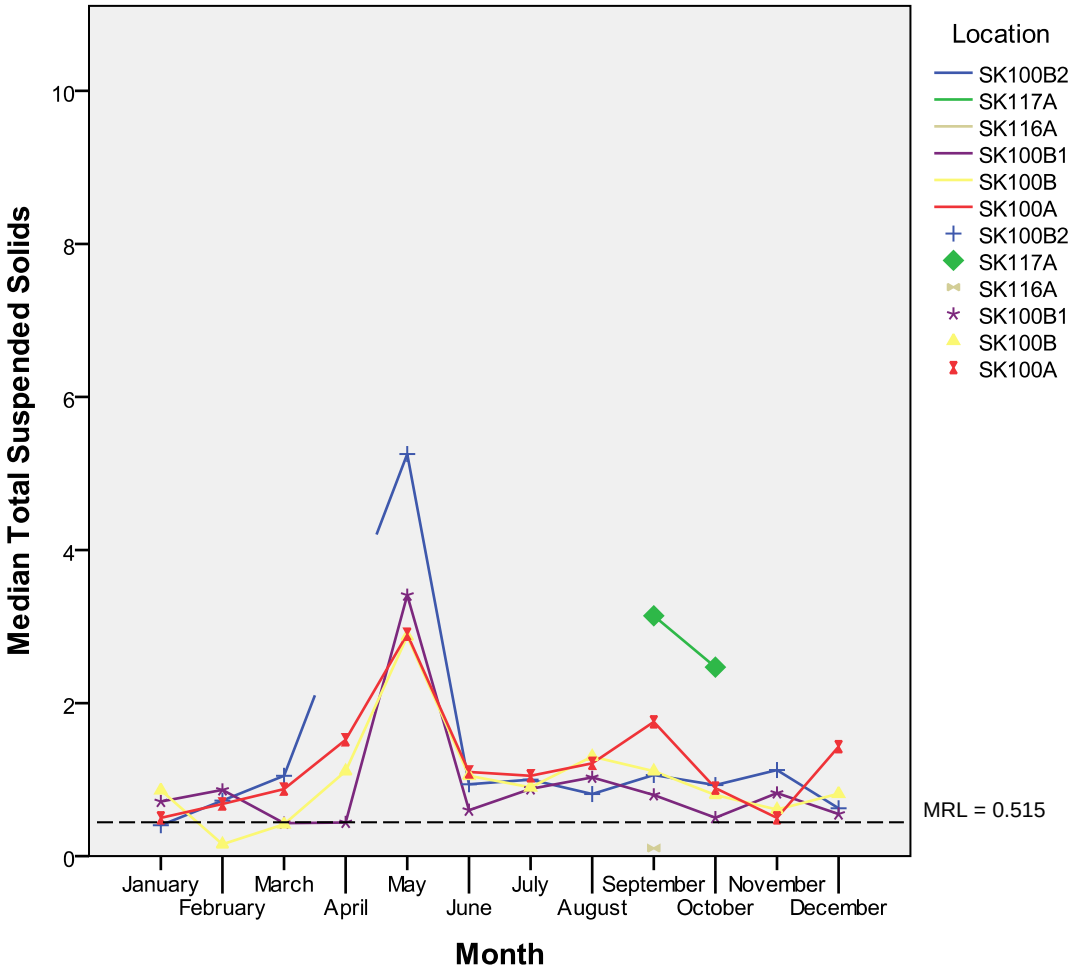

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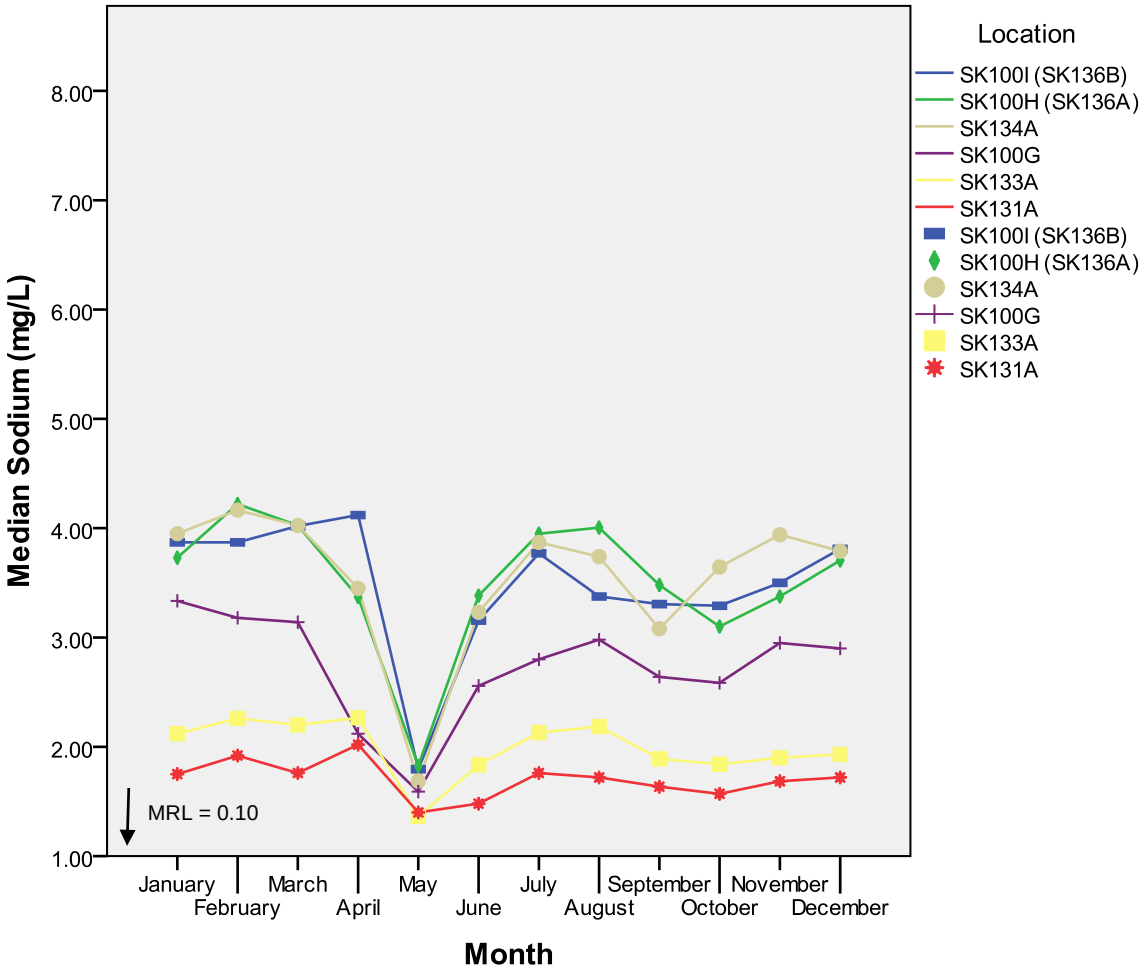
SOUTH FORK KOKTULI RIVER: Locations SK100H, SK100I, SK134A, SK100G, SK133A, and SK131A



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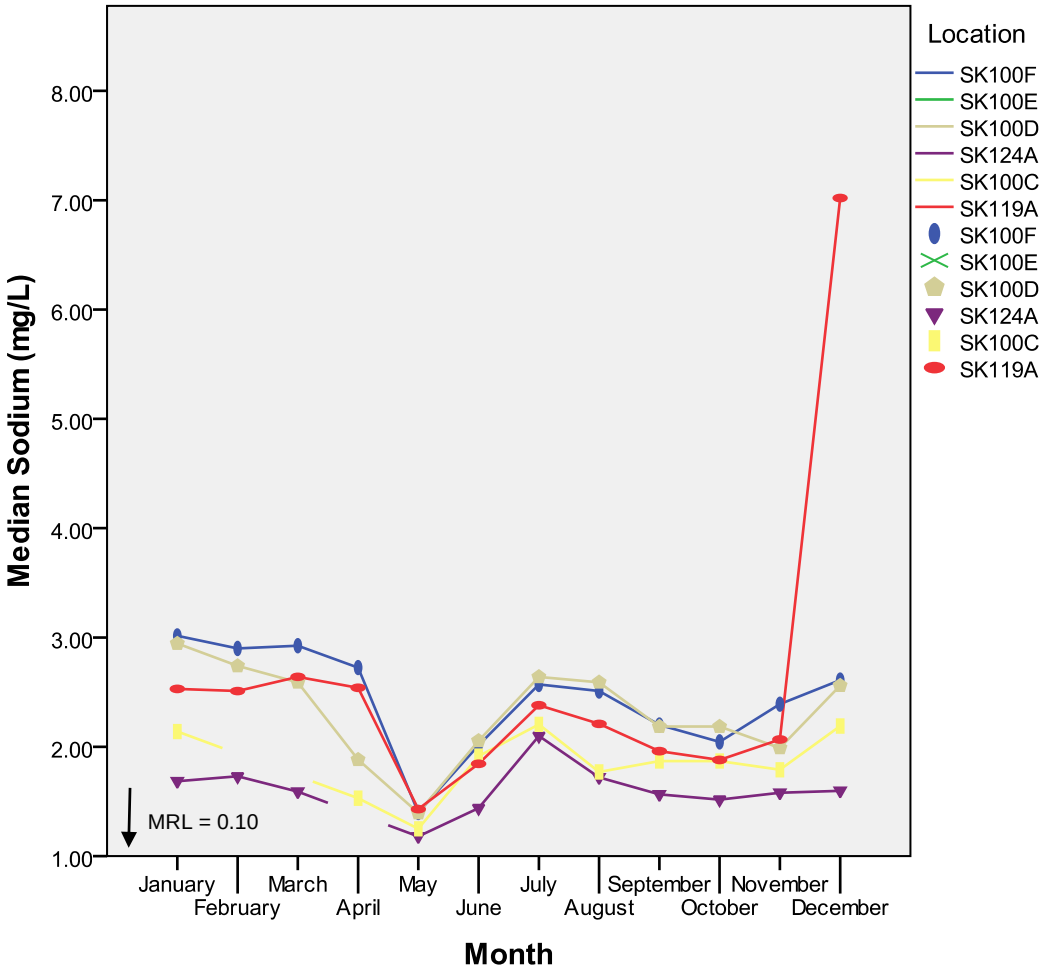

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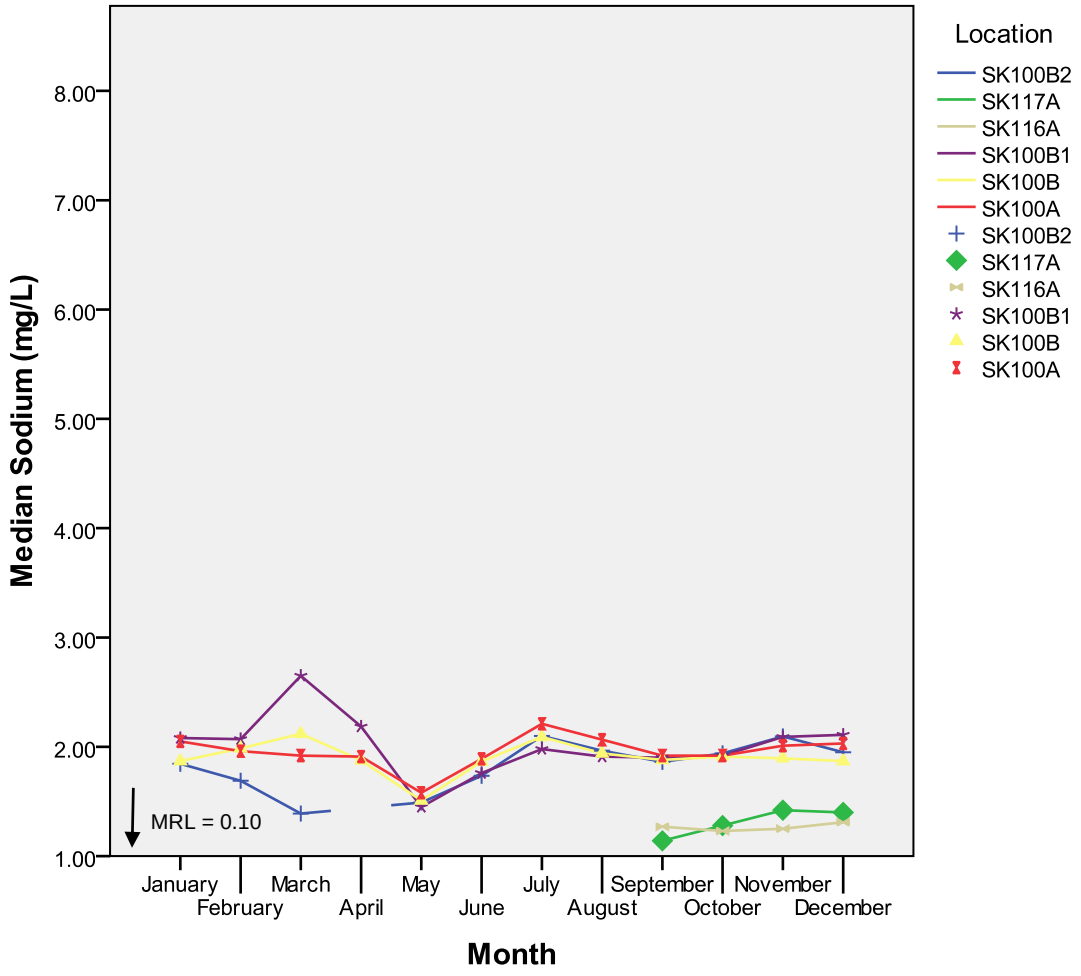

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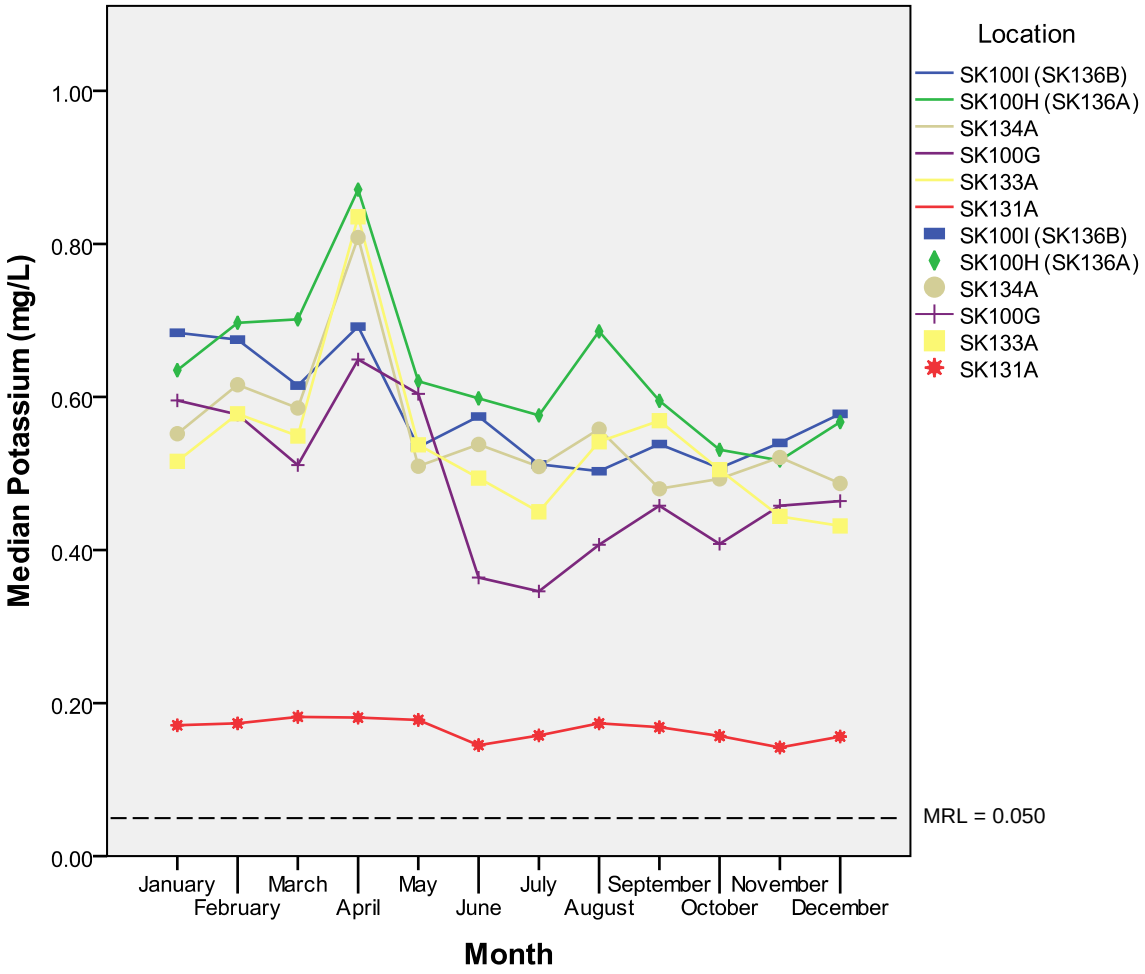

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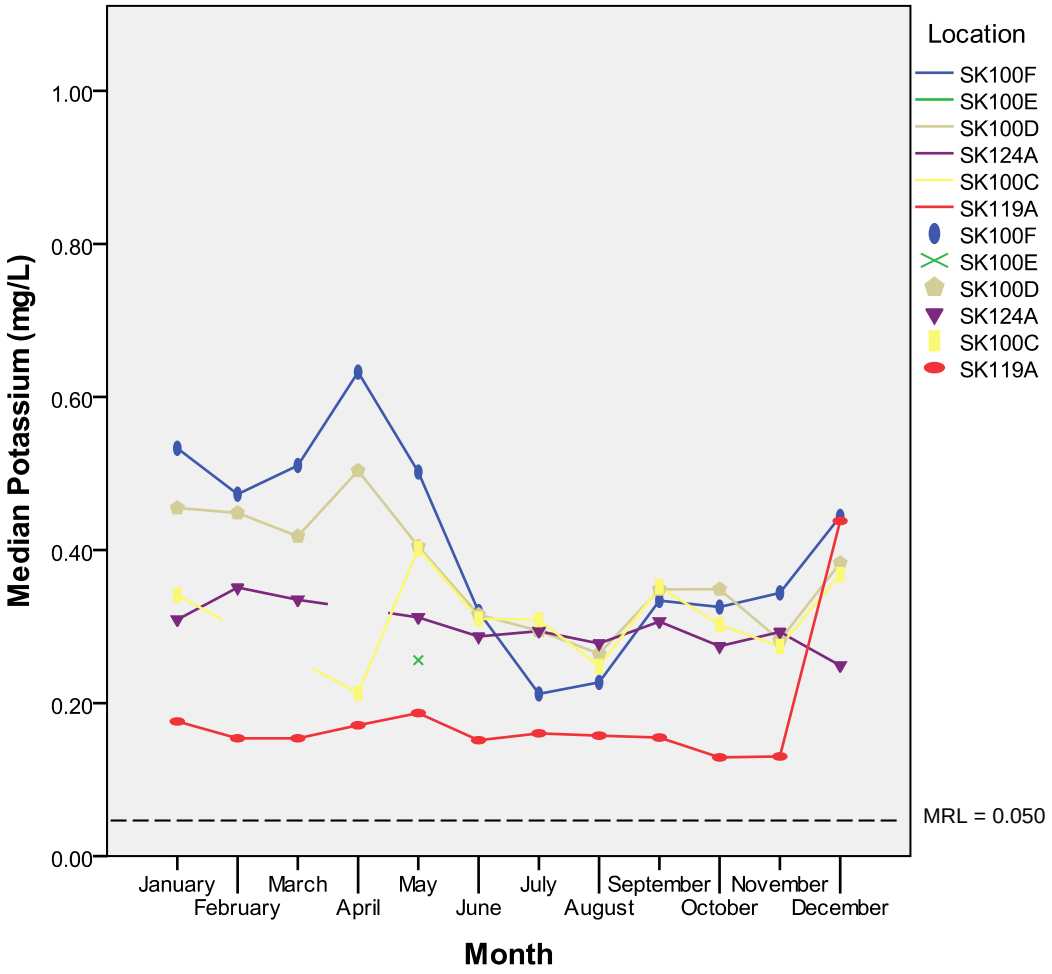

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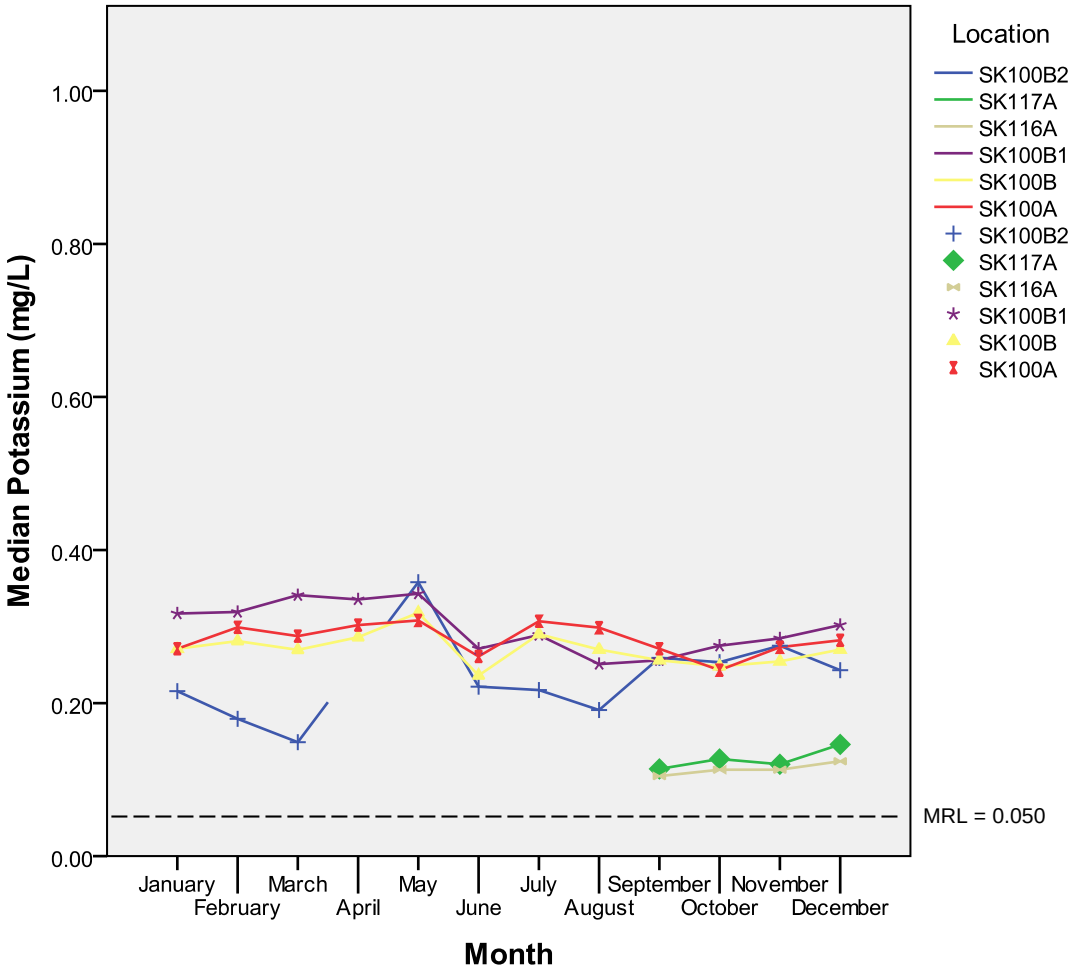

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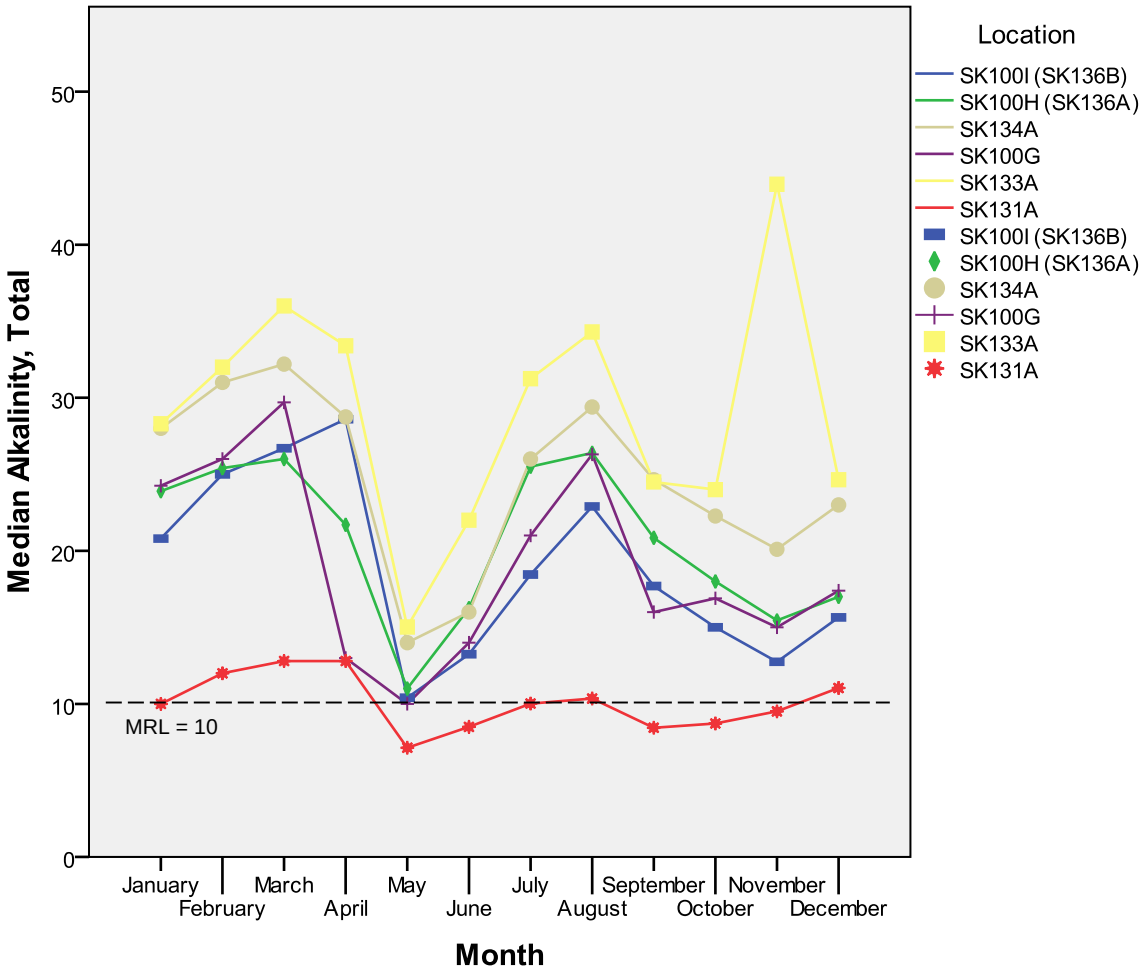

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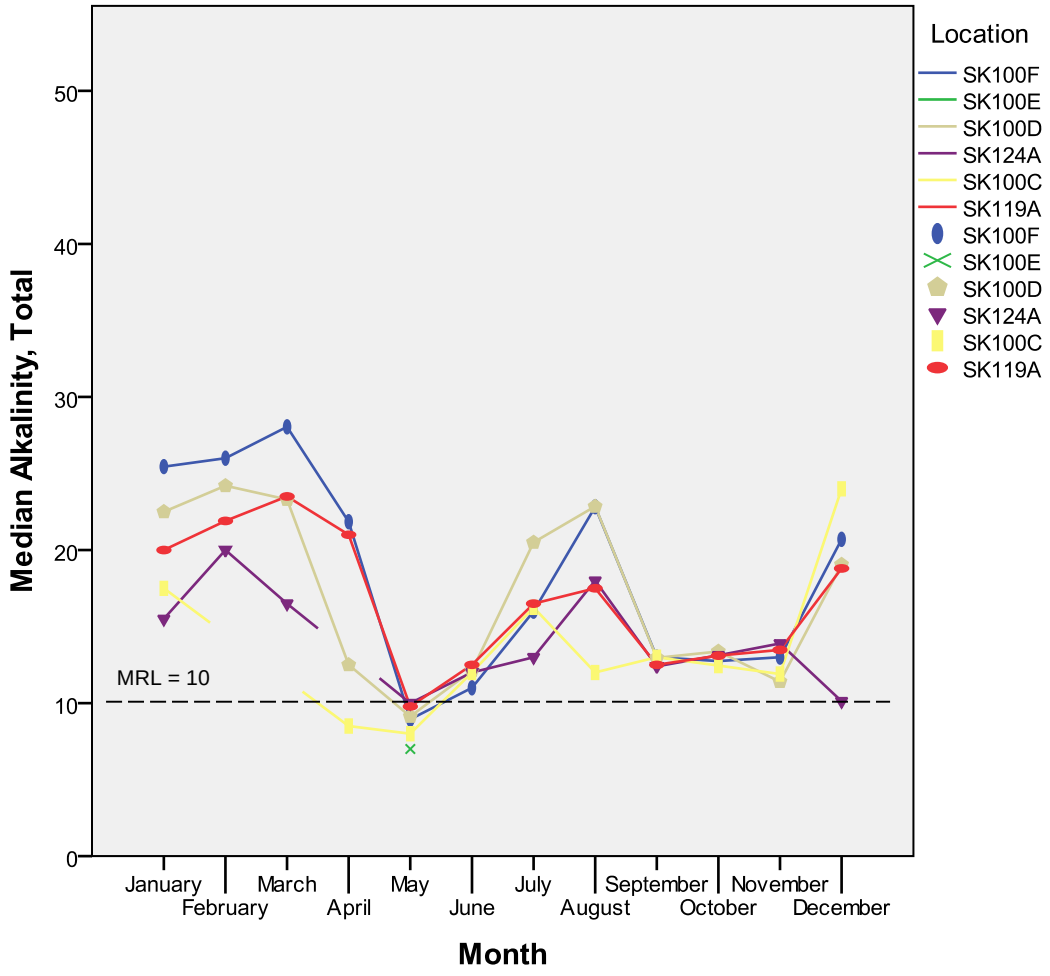

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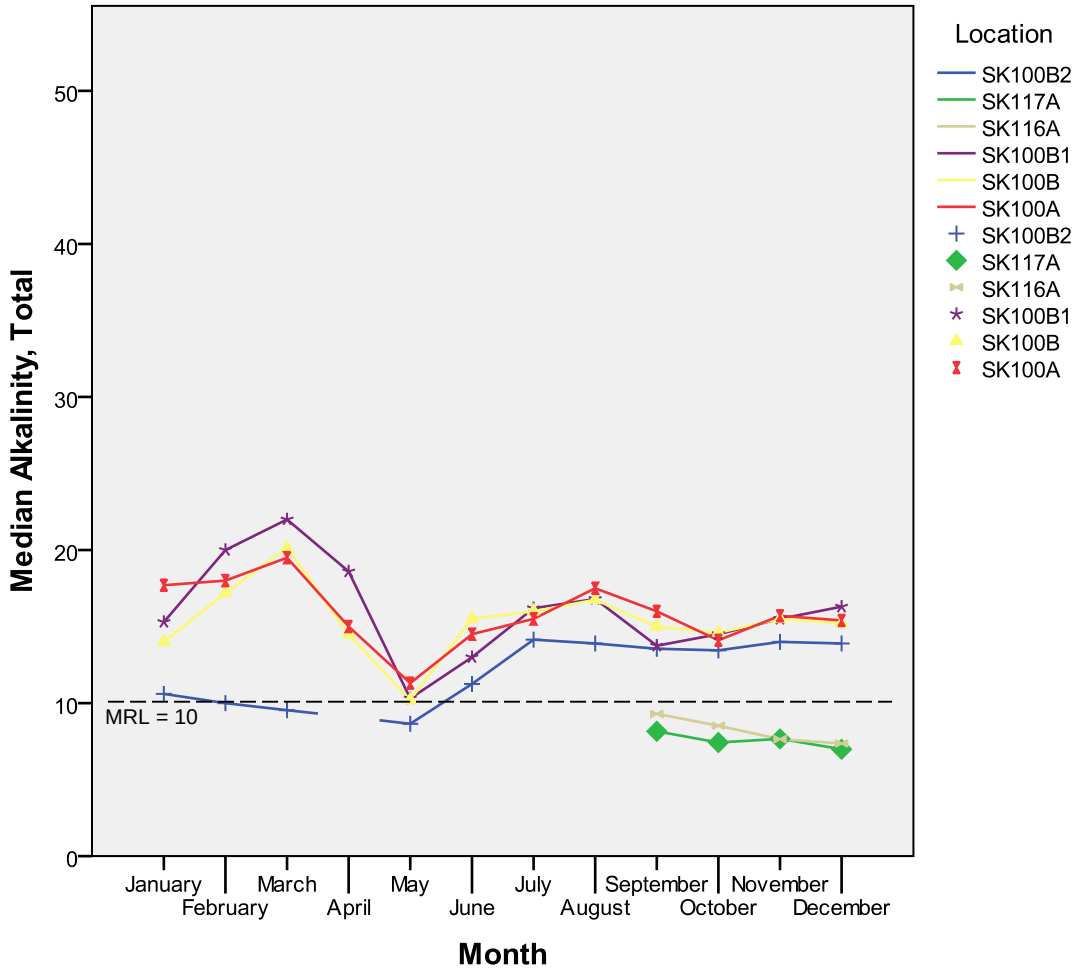

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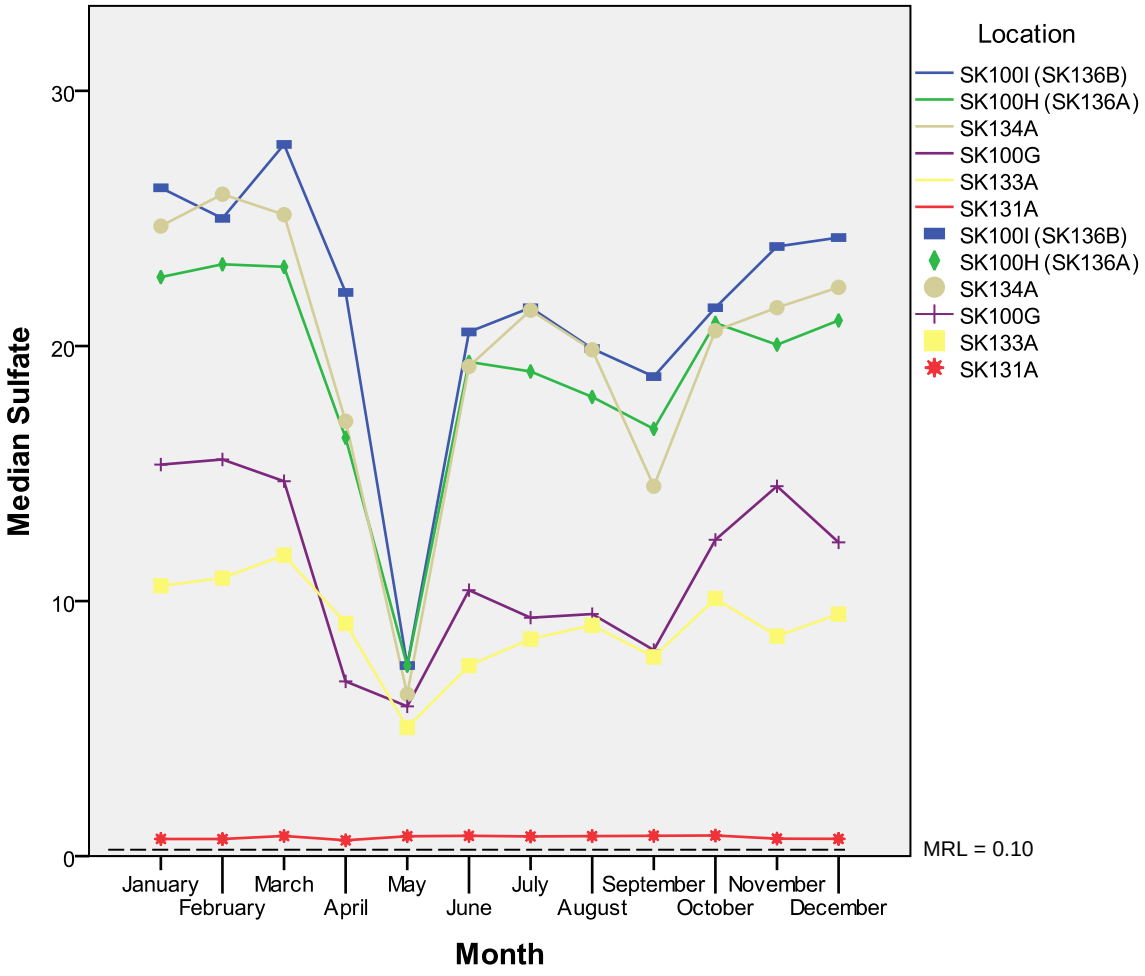

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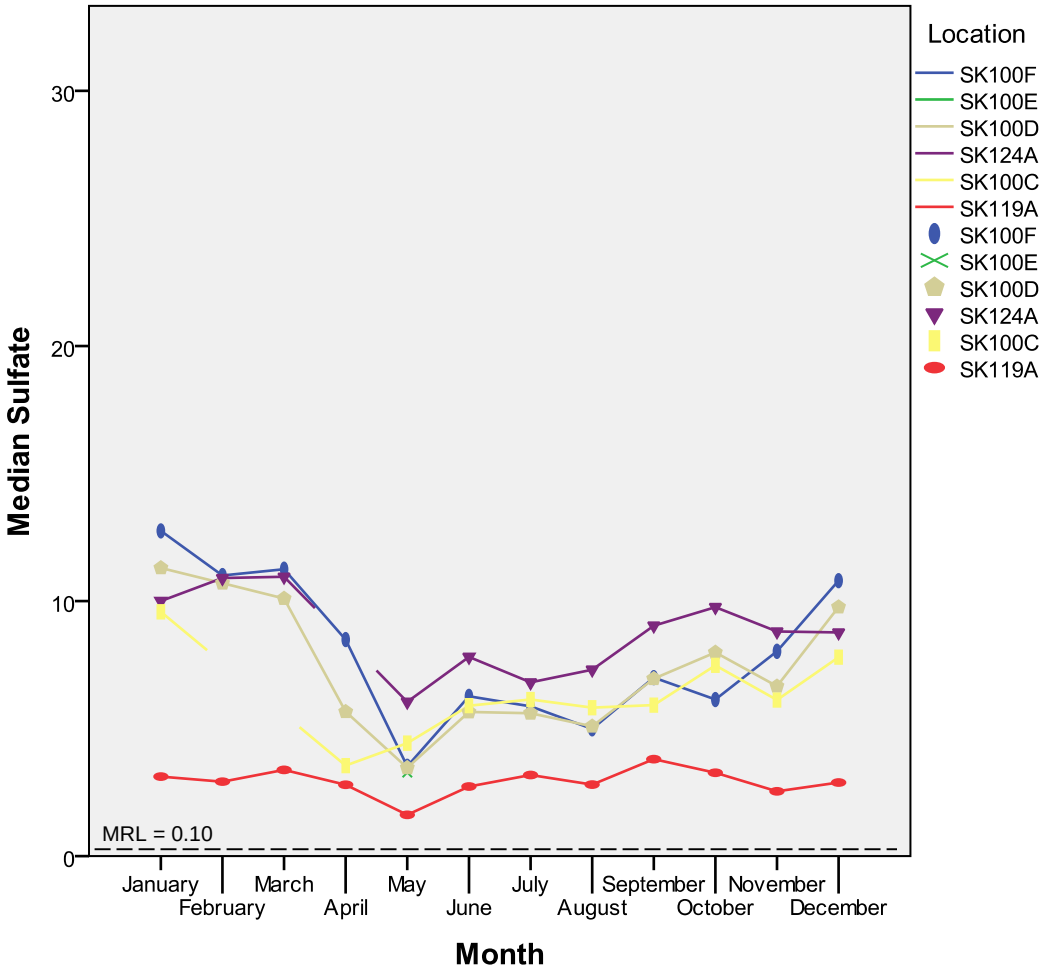

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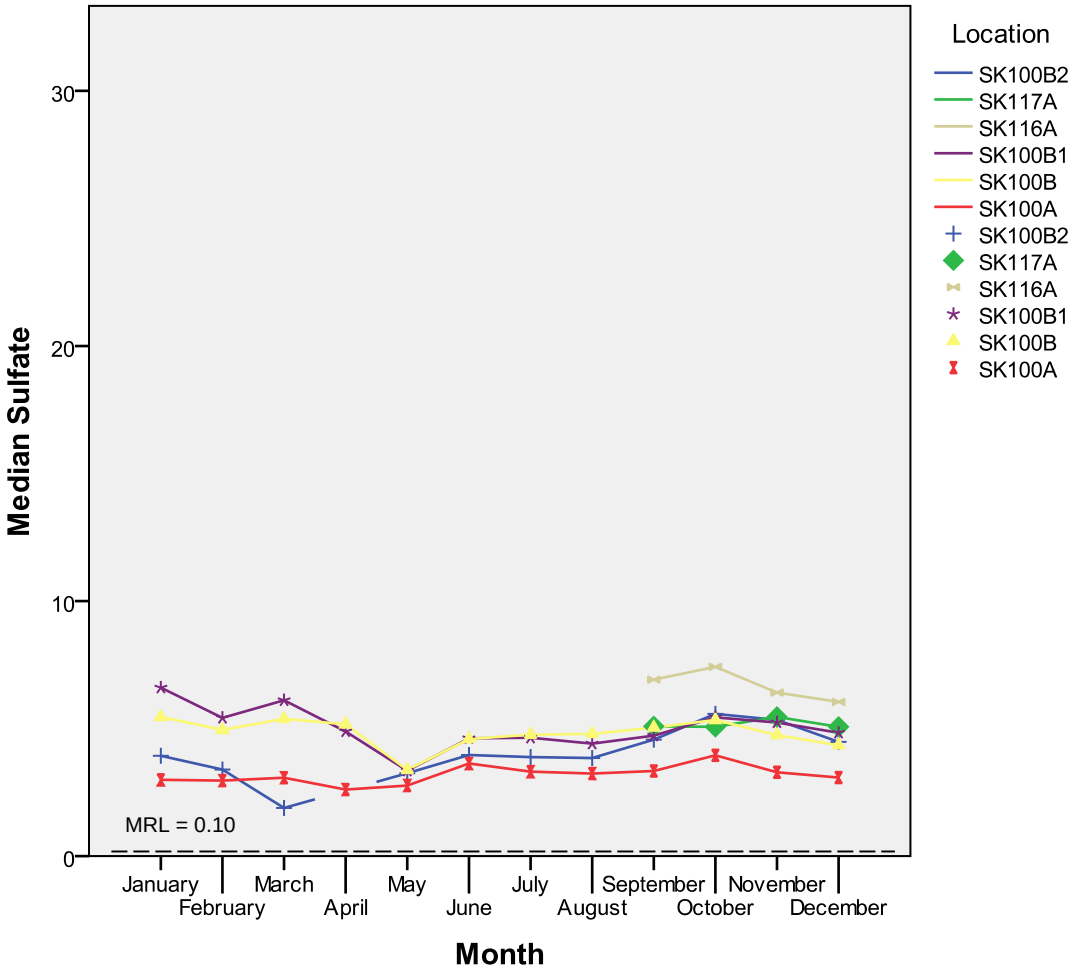

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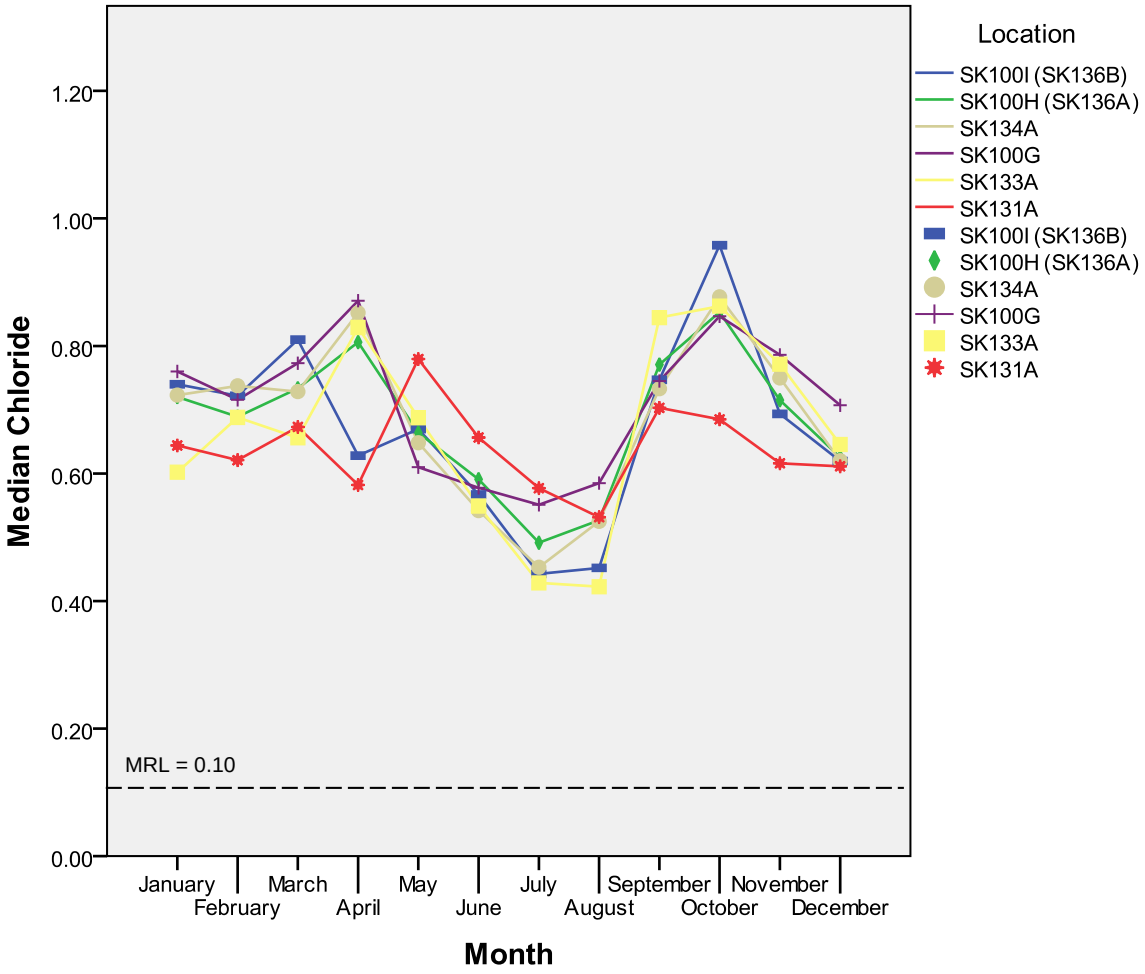

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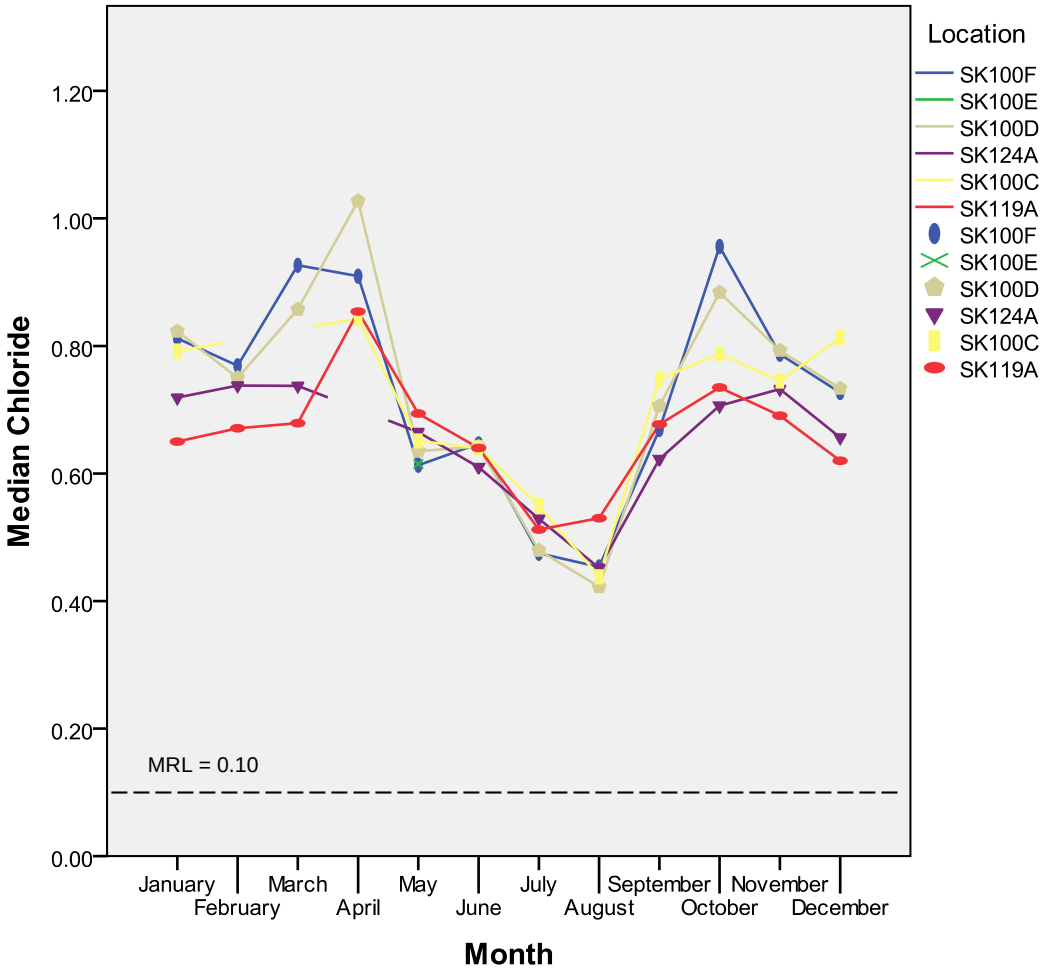

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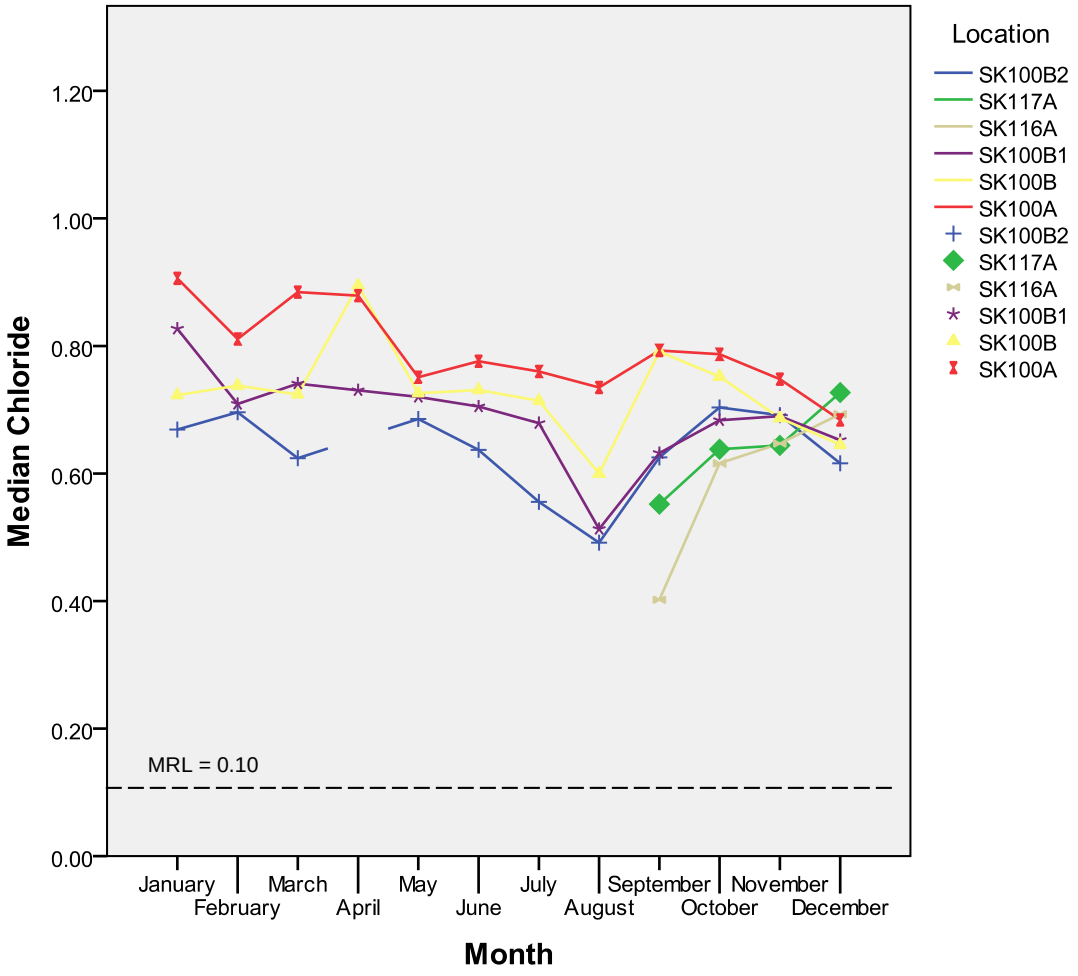

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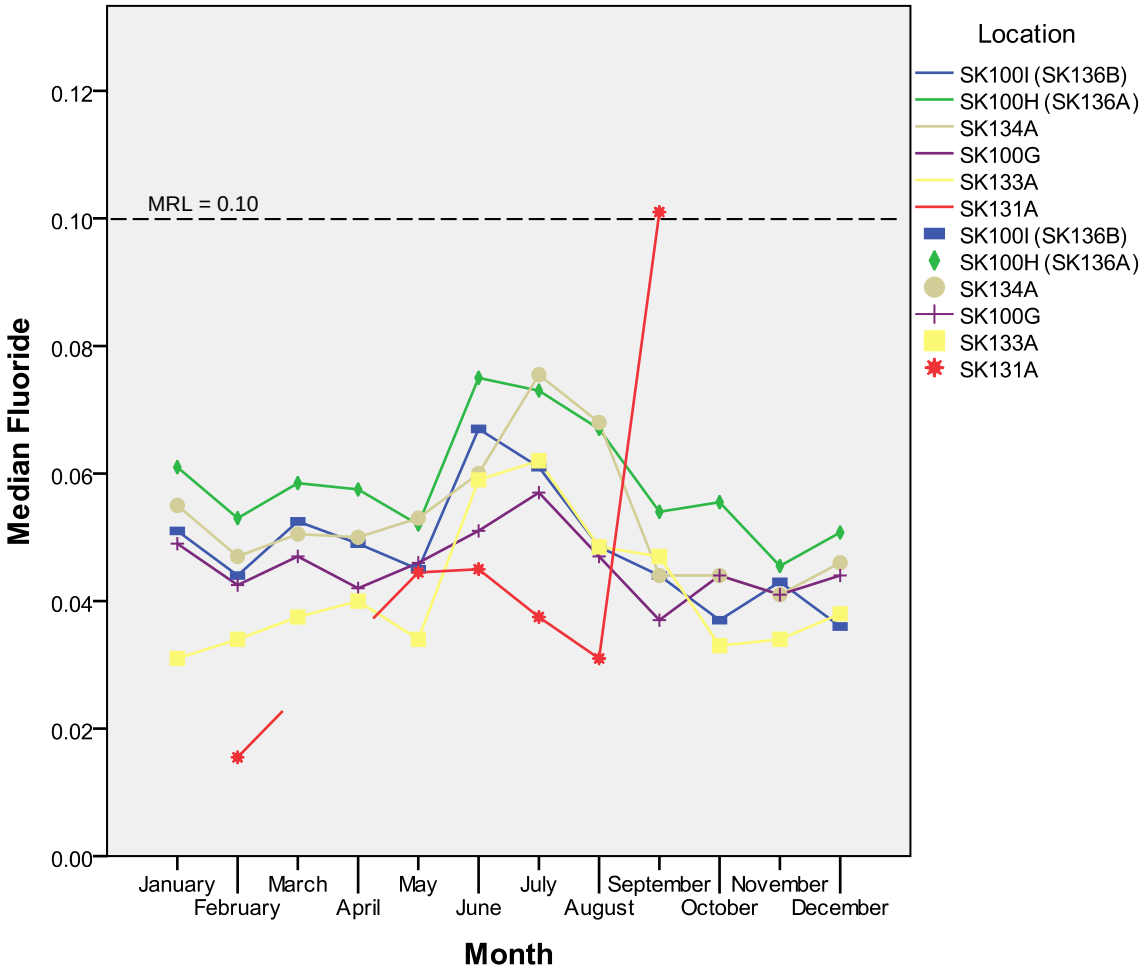

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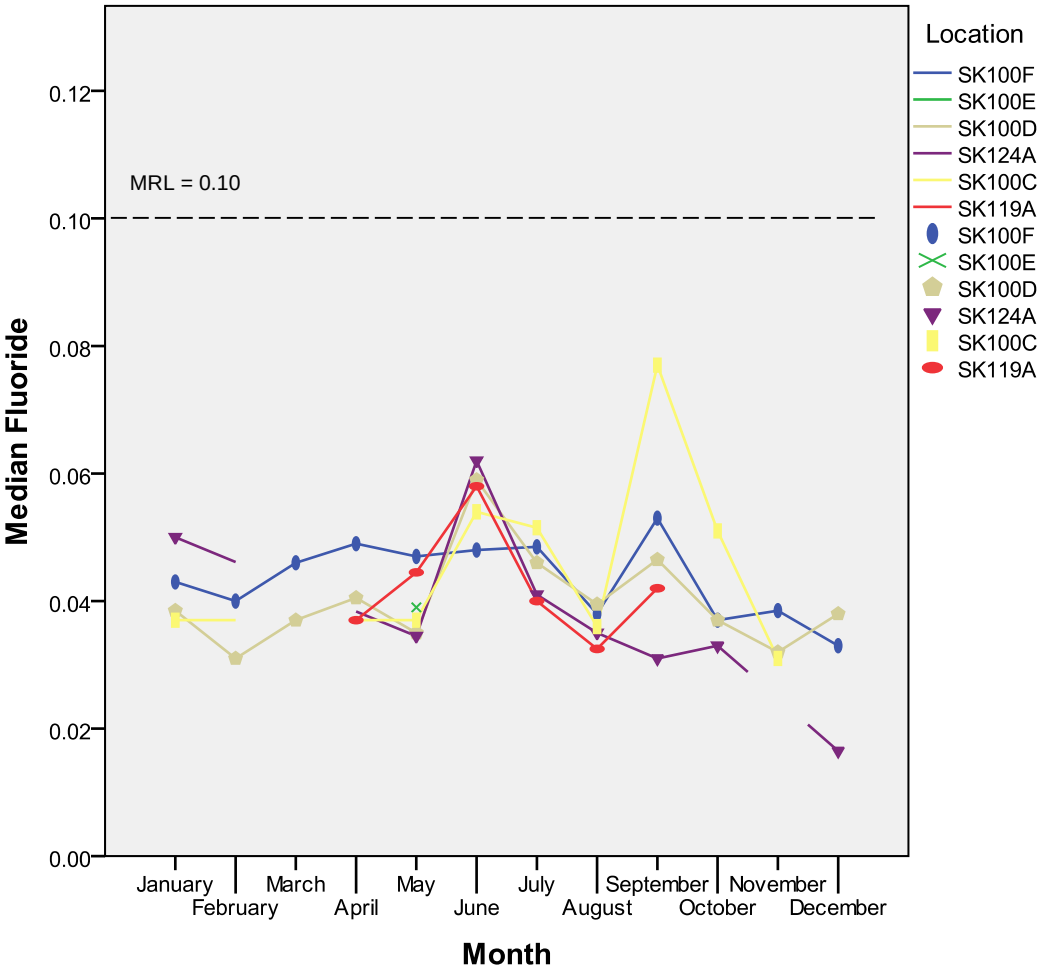

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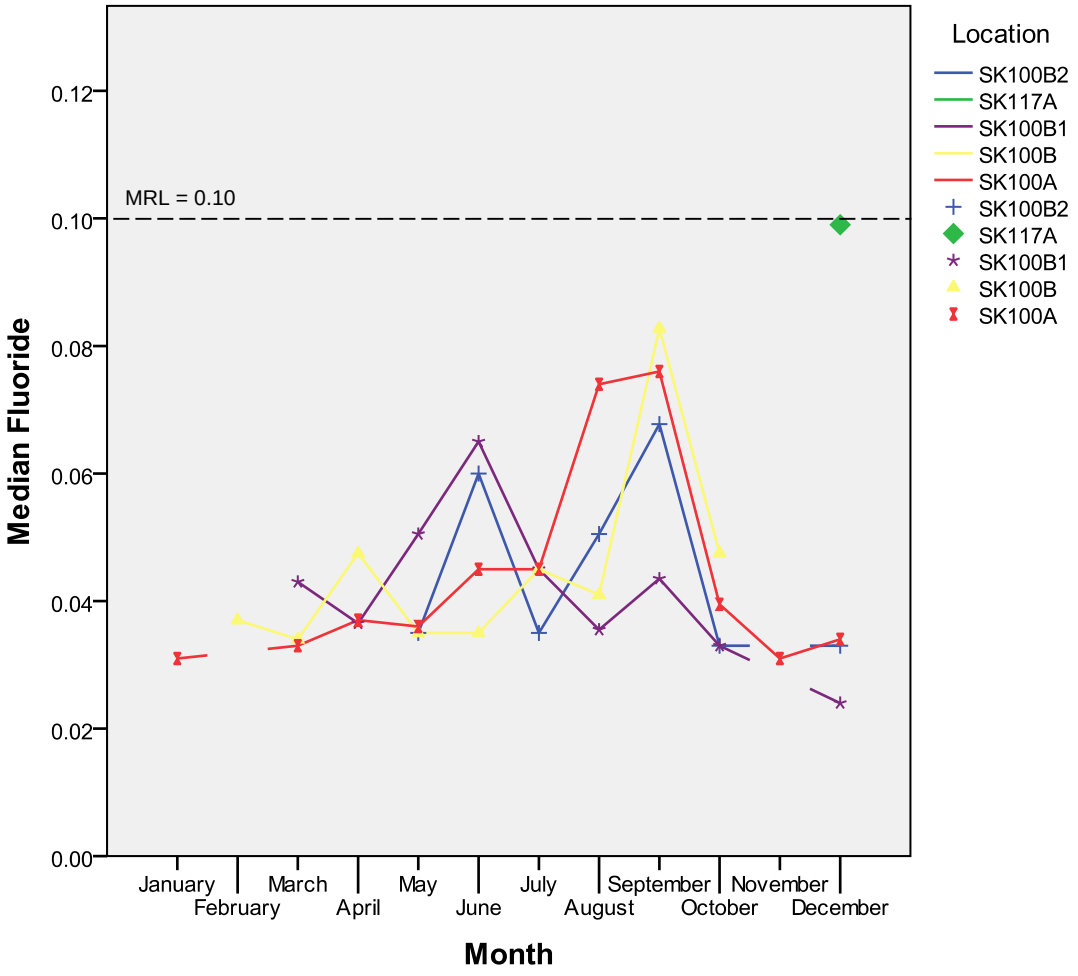

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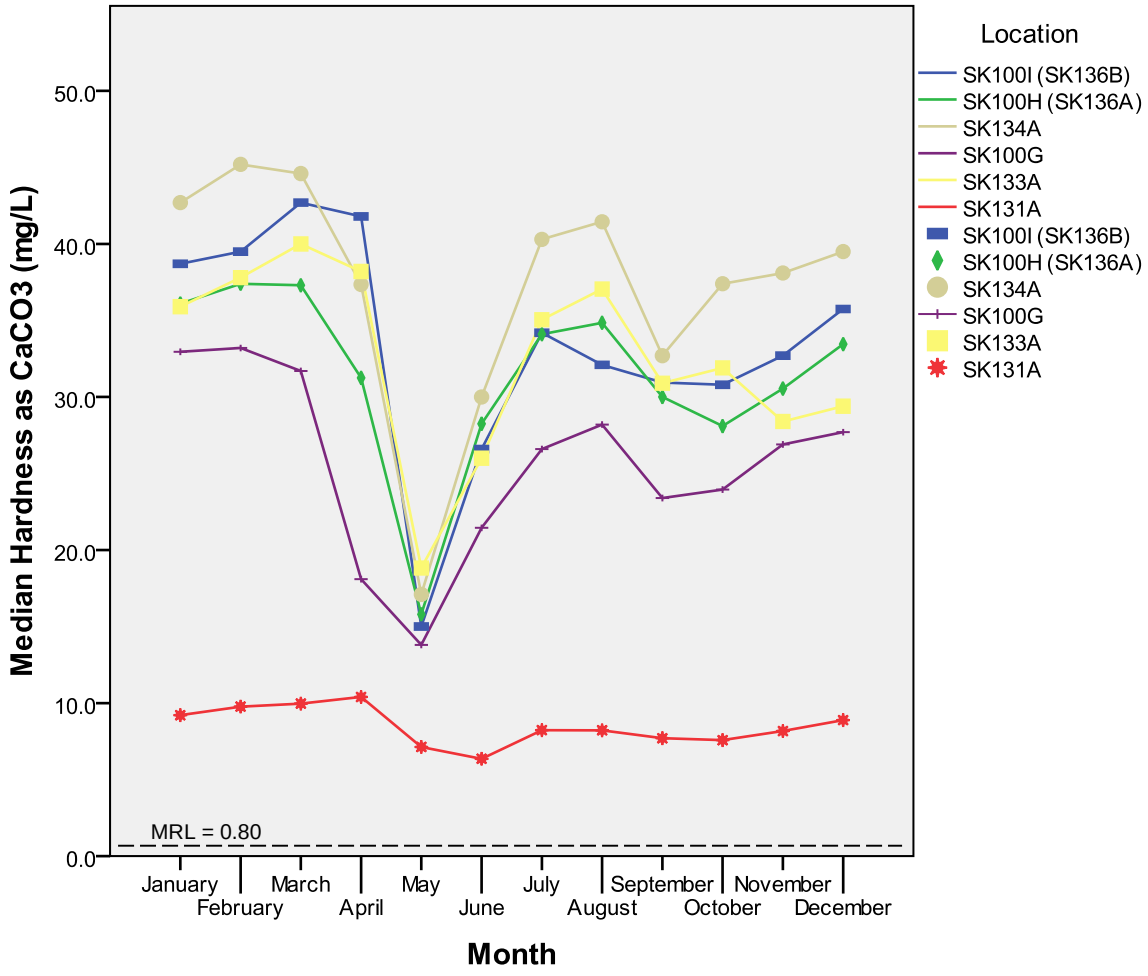

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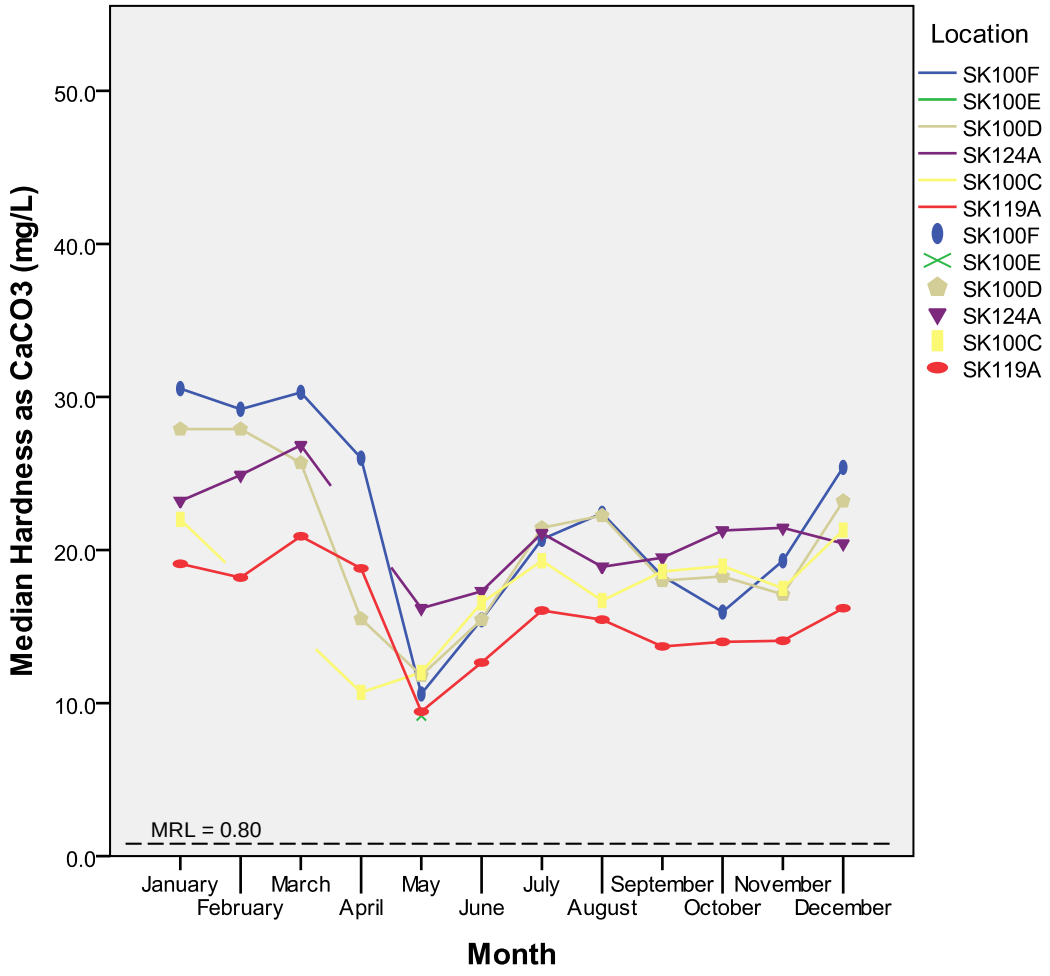

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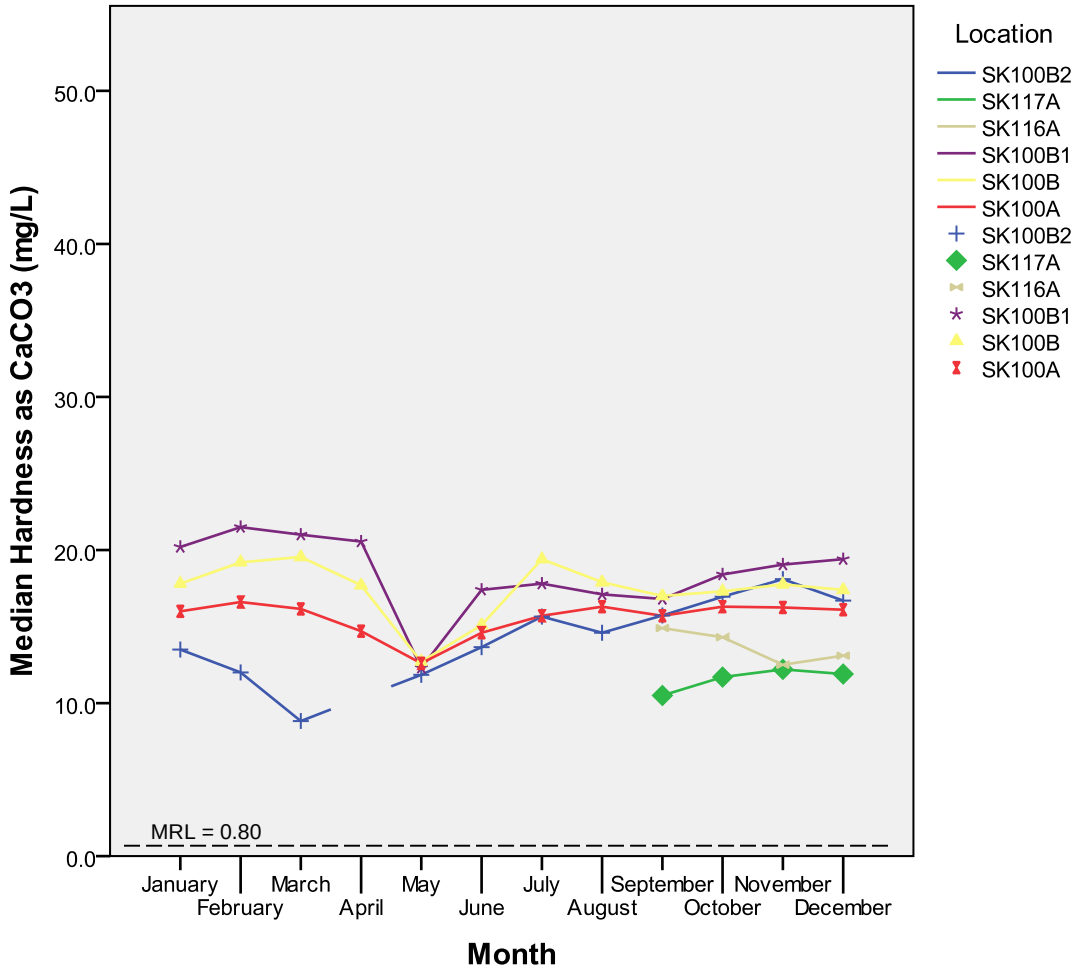

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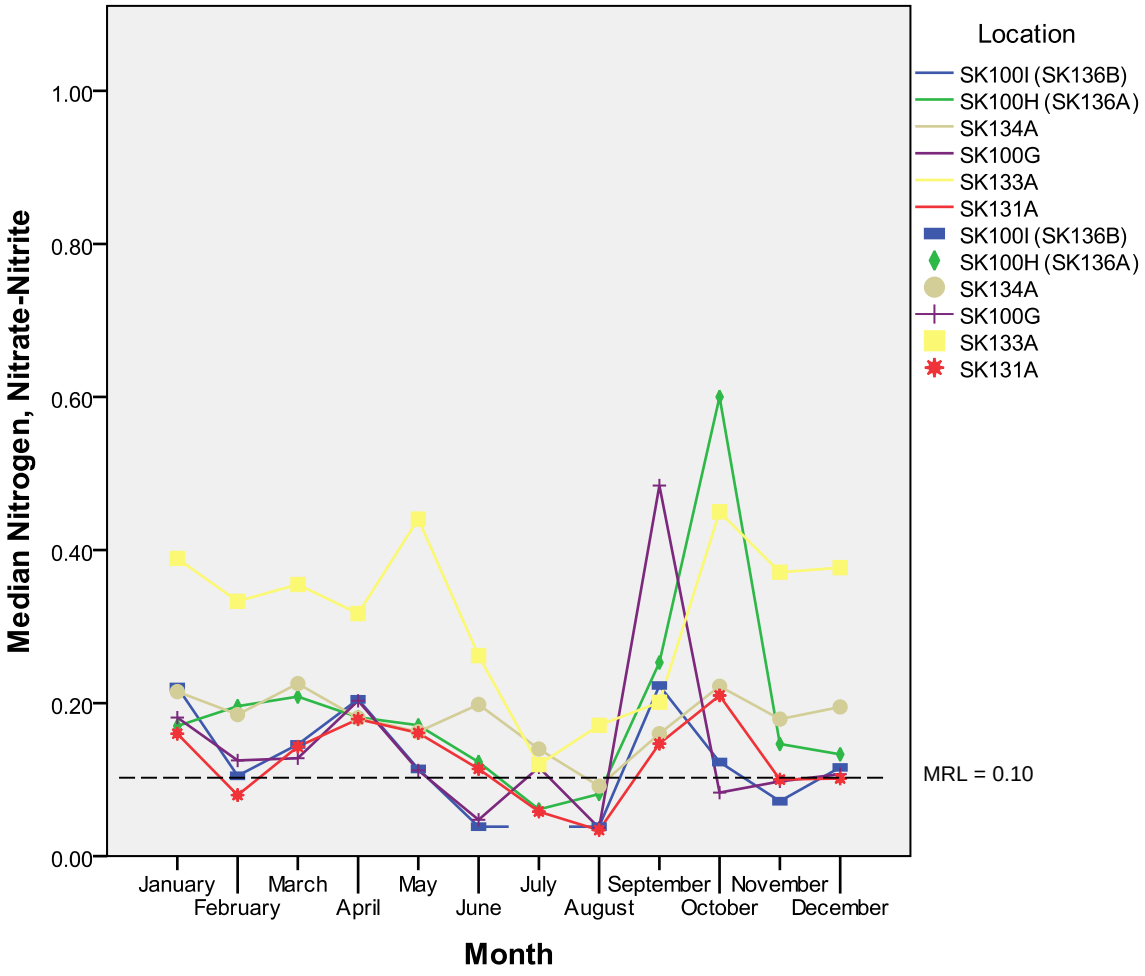

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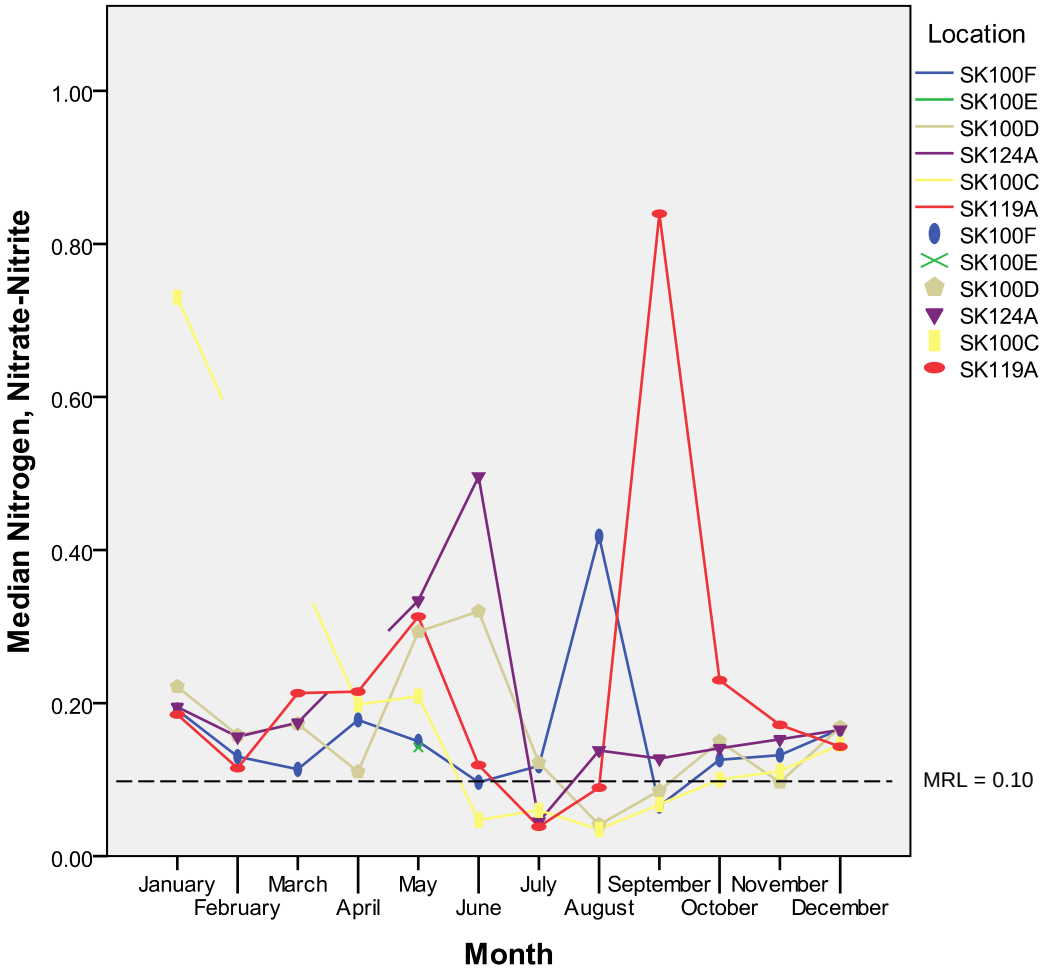

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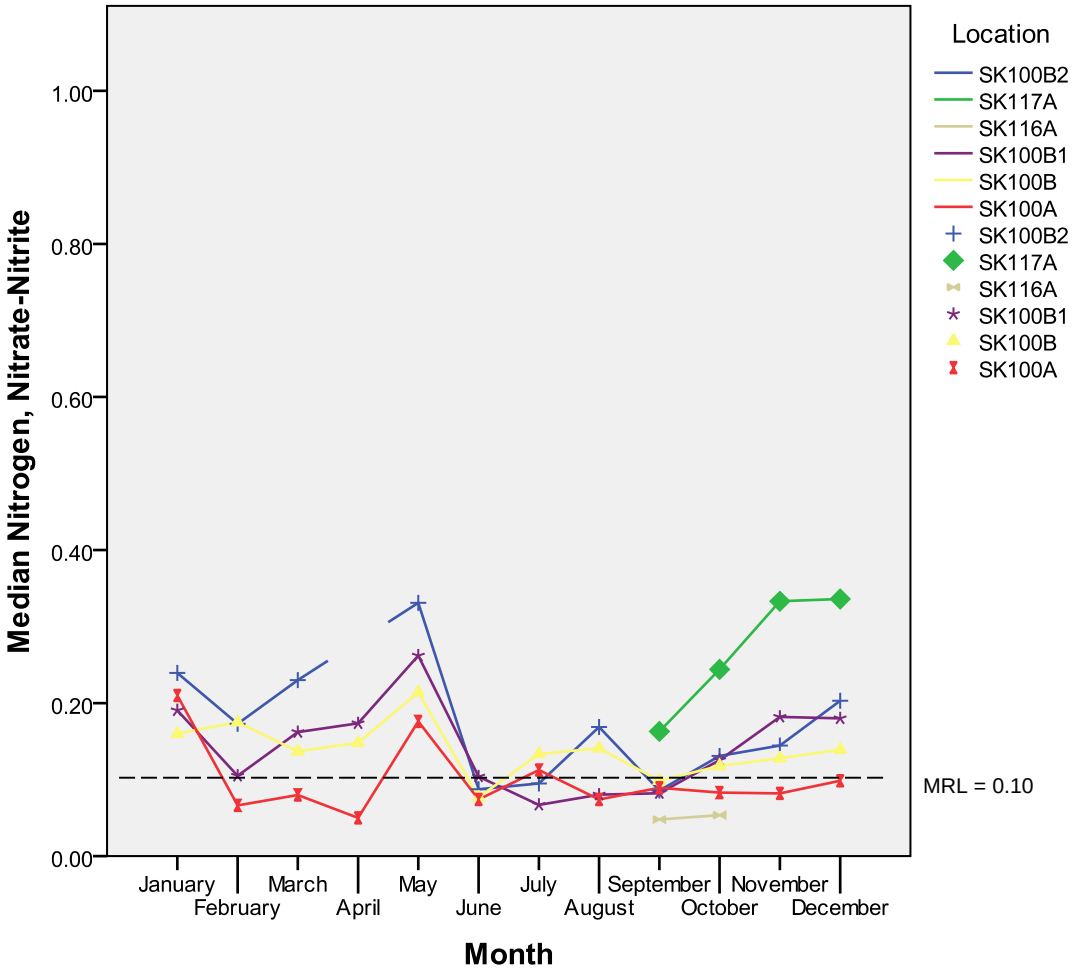

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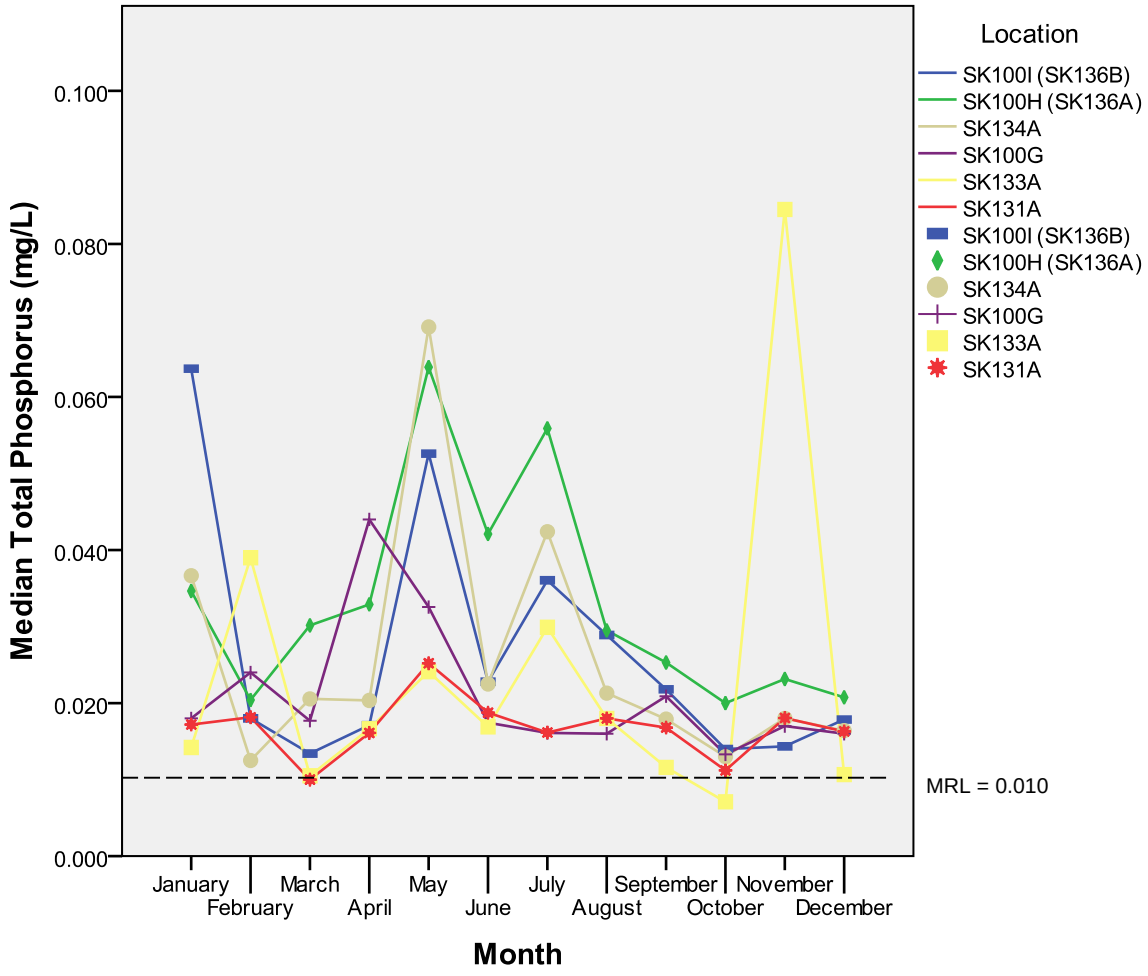

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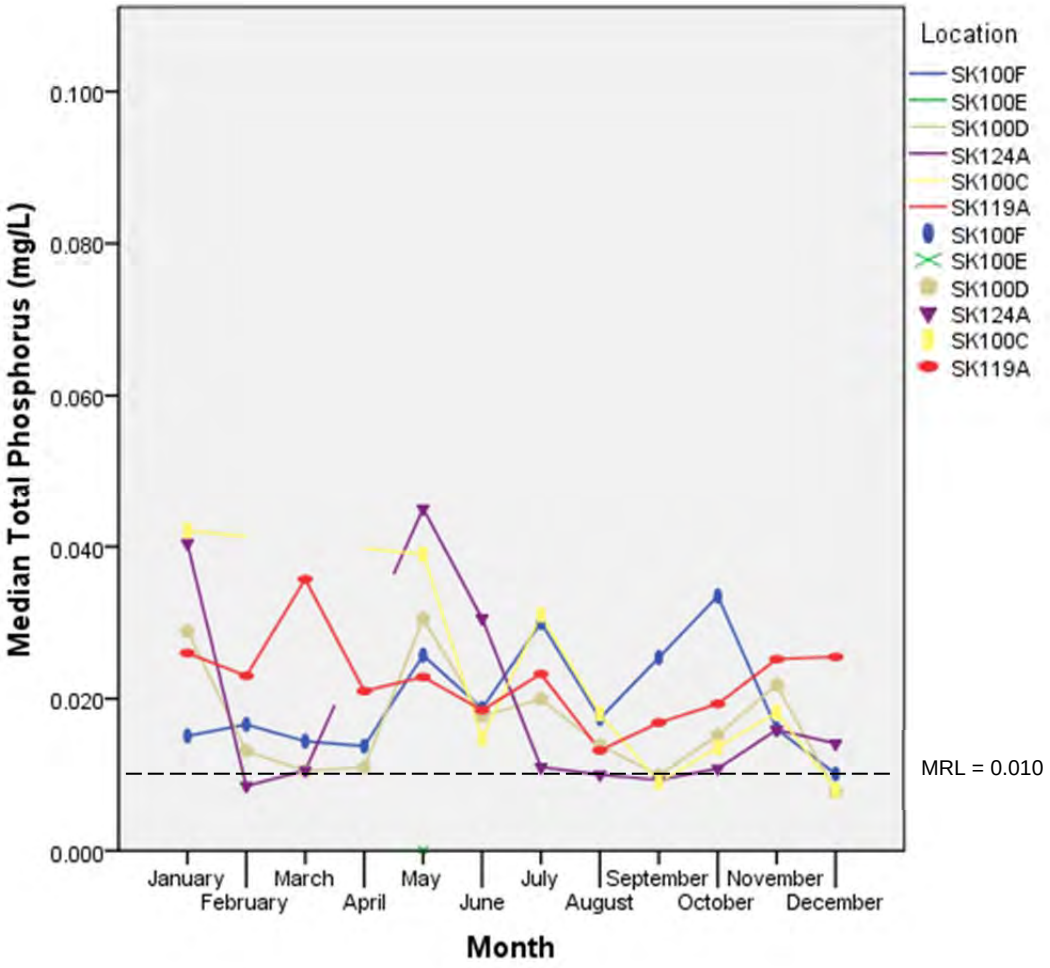

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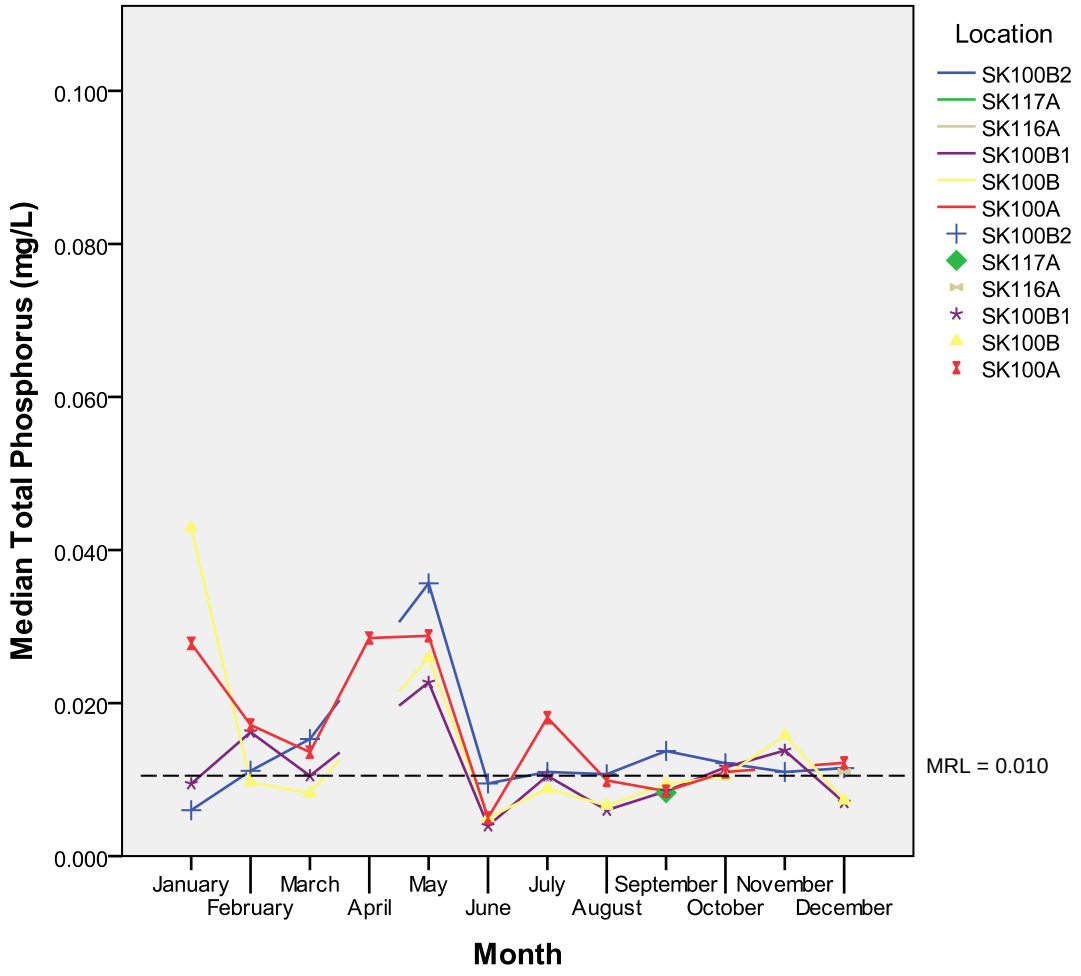

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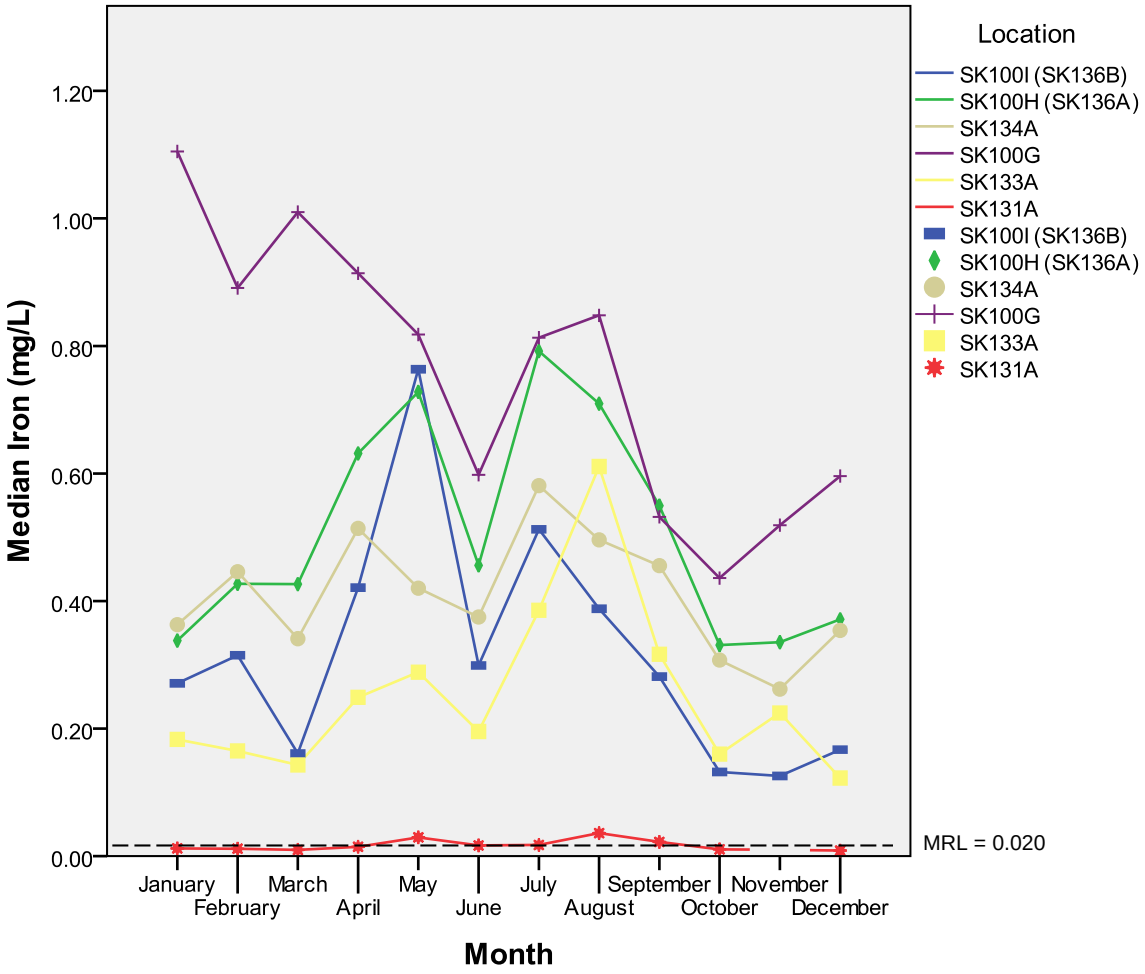

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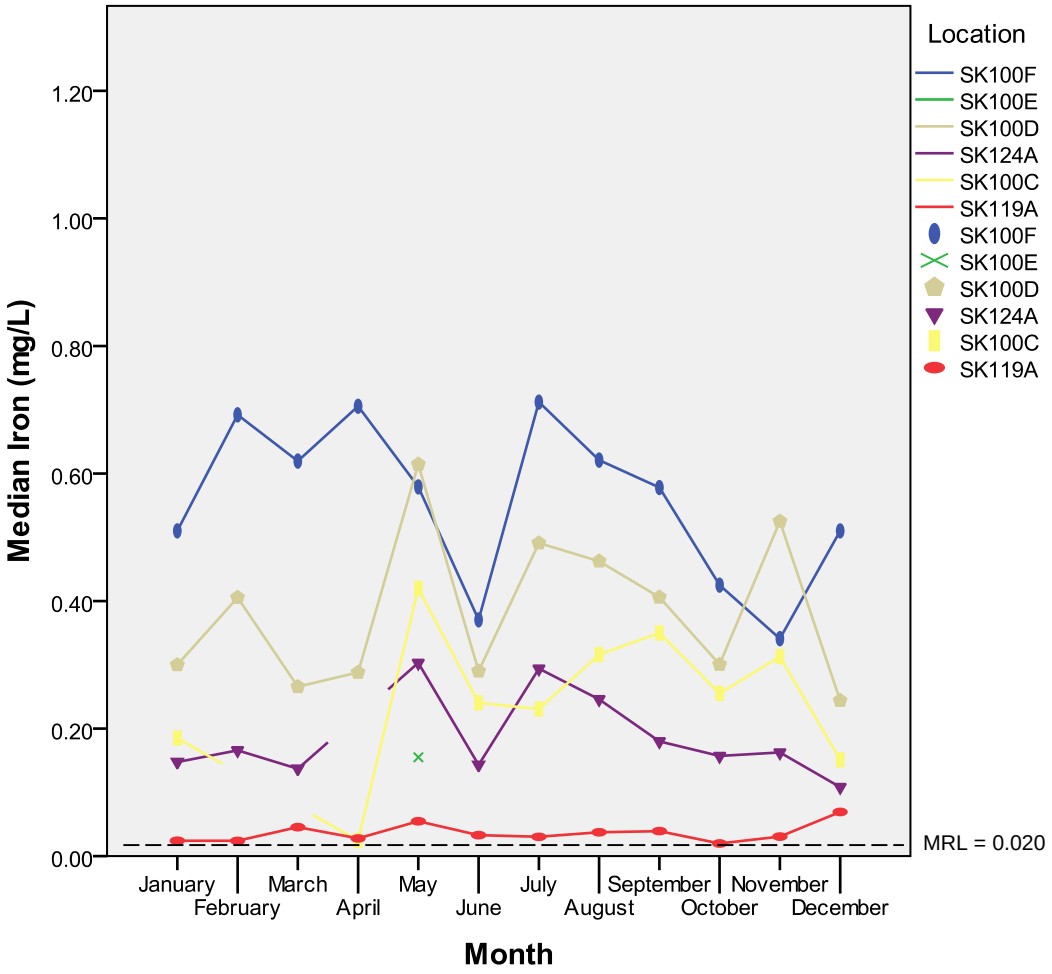

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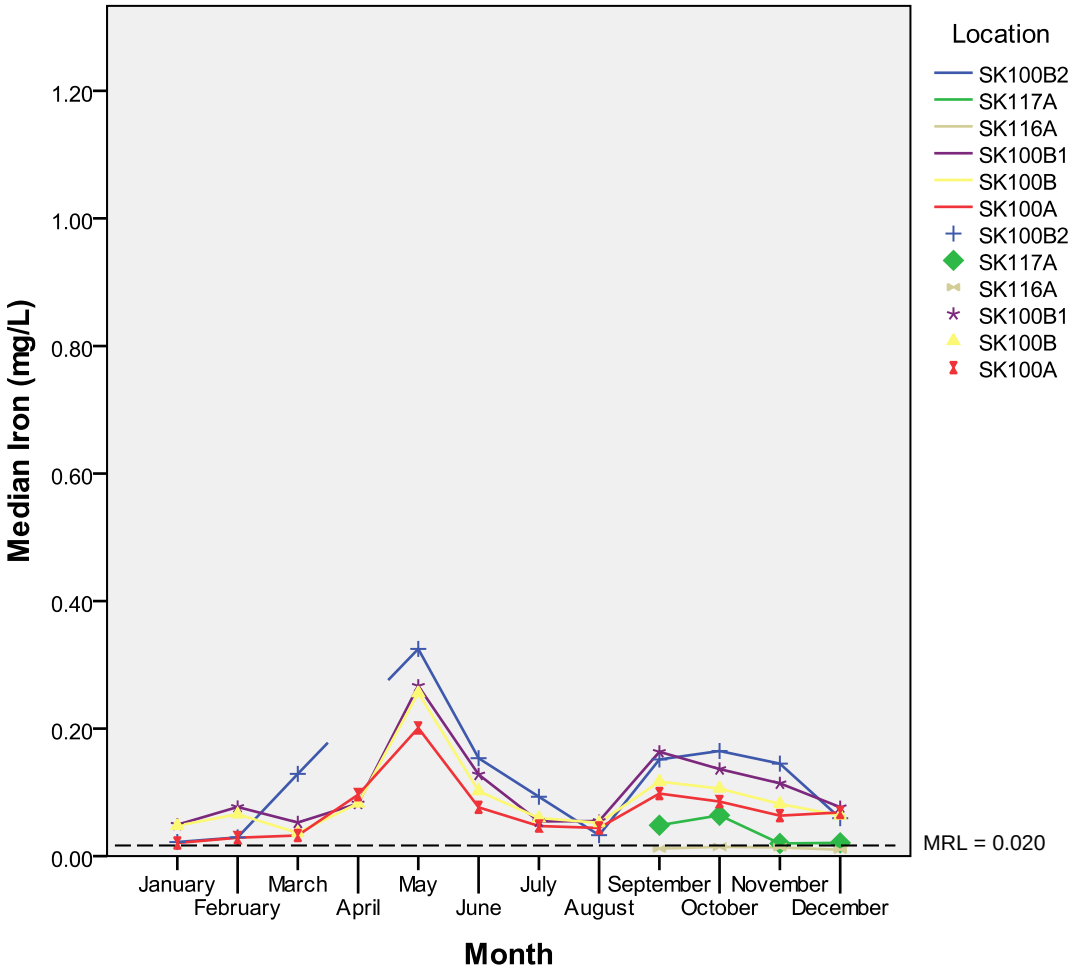
SOUTH FORK KOKTULI RIVER: Locations SK100B2, SK117A, SK116A, SK100B1, SK100B, and SK100A



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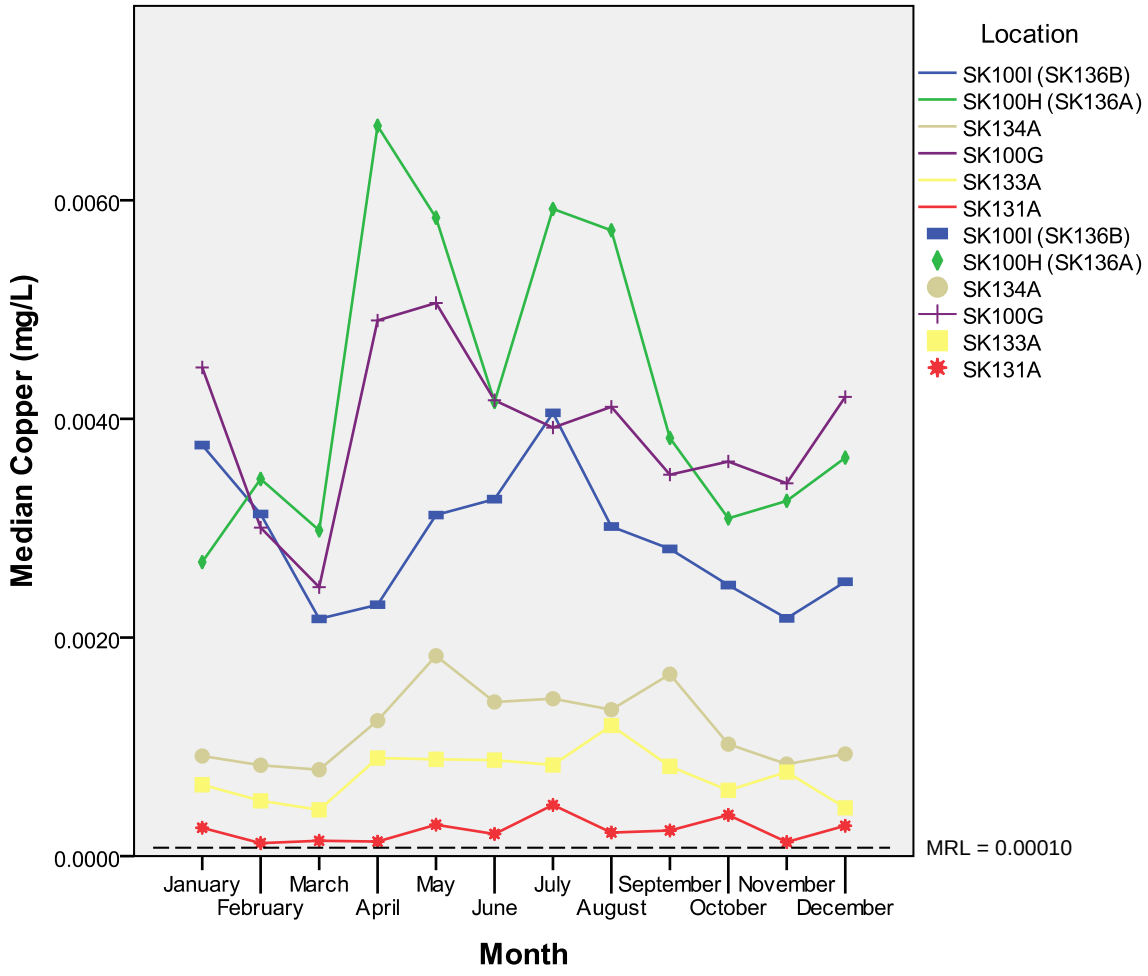
SOUTH FORK KOKTULI RIVER: Locations SK100H, SK100I, SK134A, SK100G, SK133A, and SK131A



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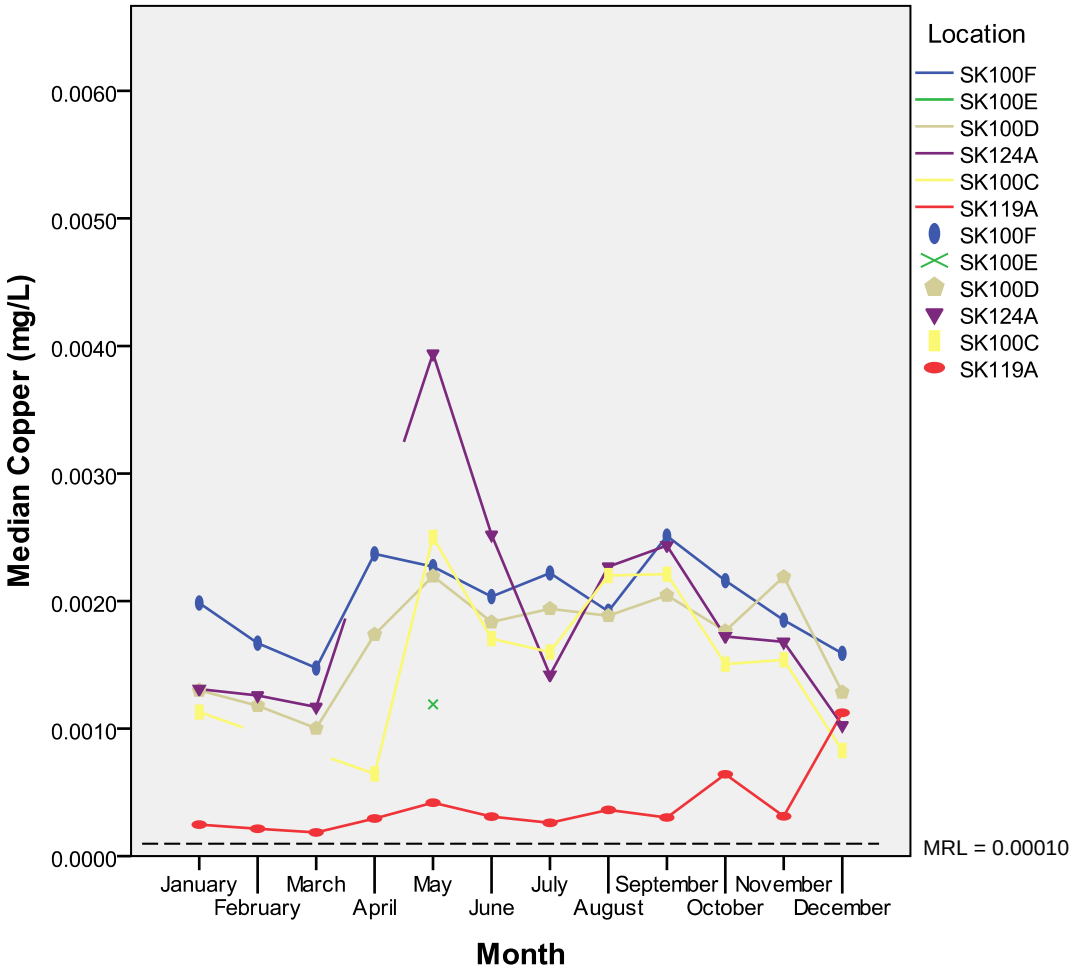
SOUTH FORK KOKTULI RIVER: Locations SK100F, SK100E, SK100D, SK124A, SK100C, and SK119A



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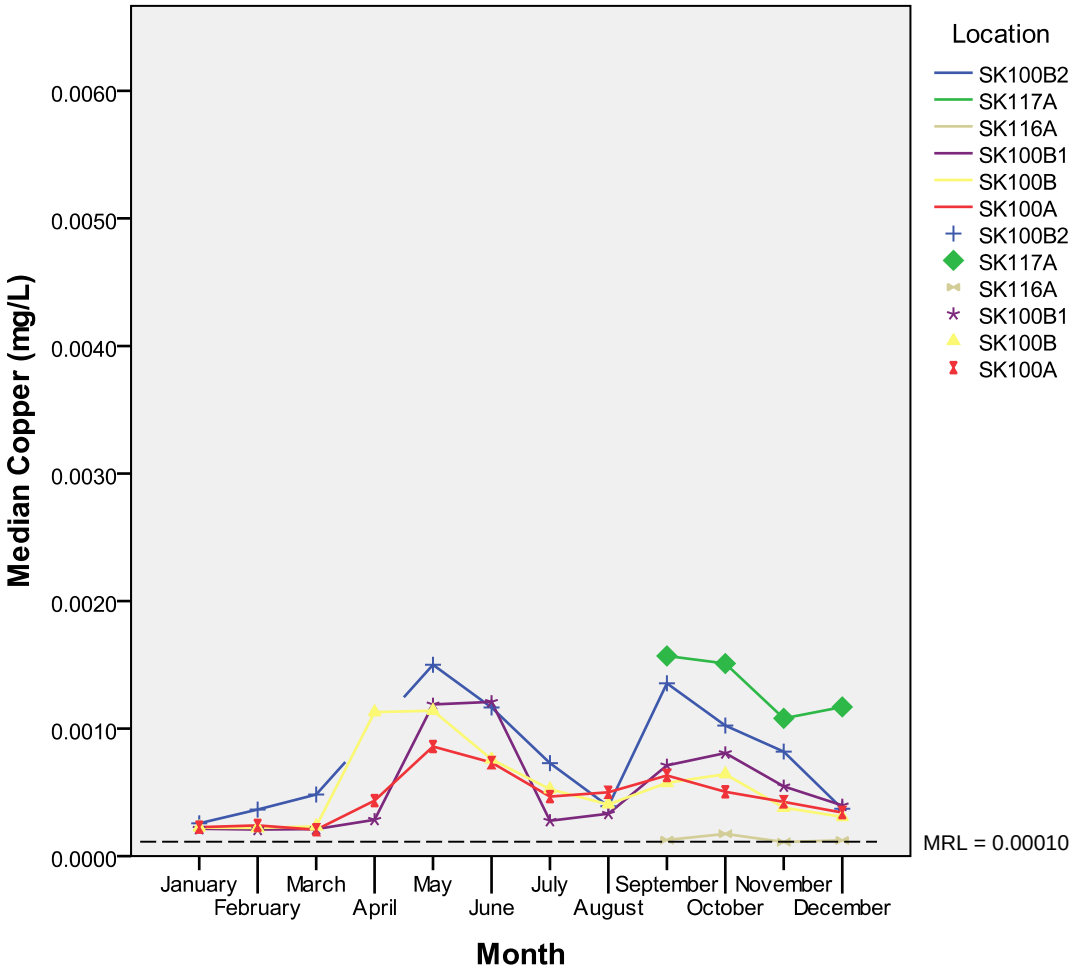

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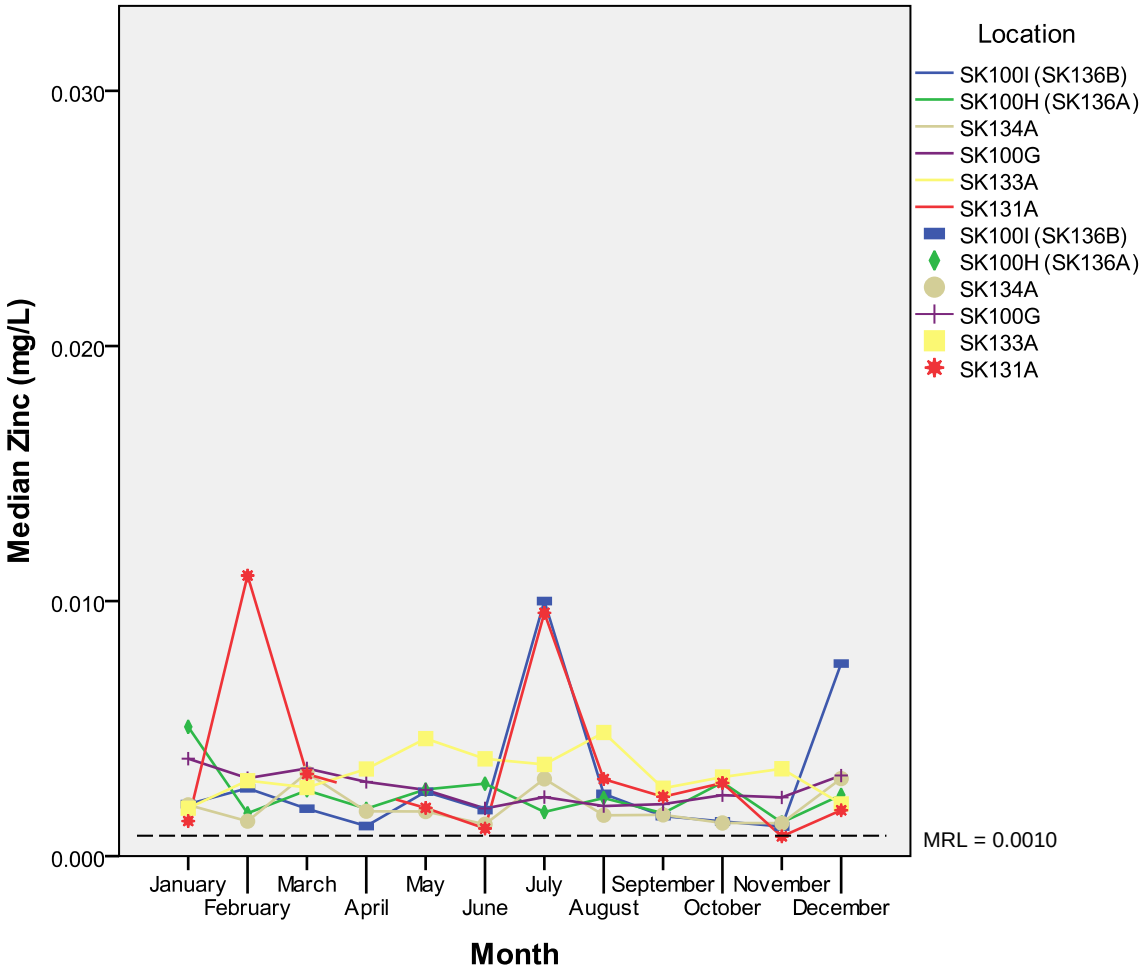

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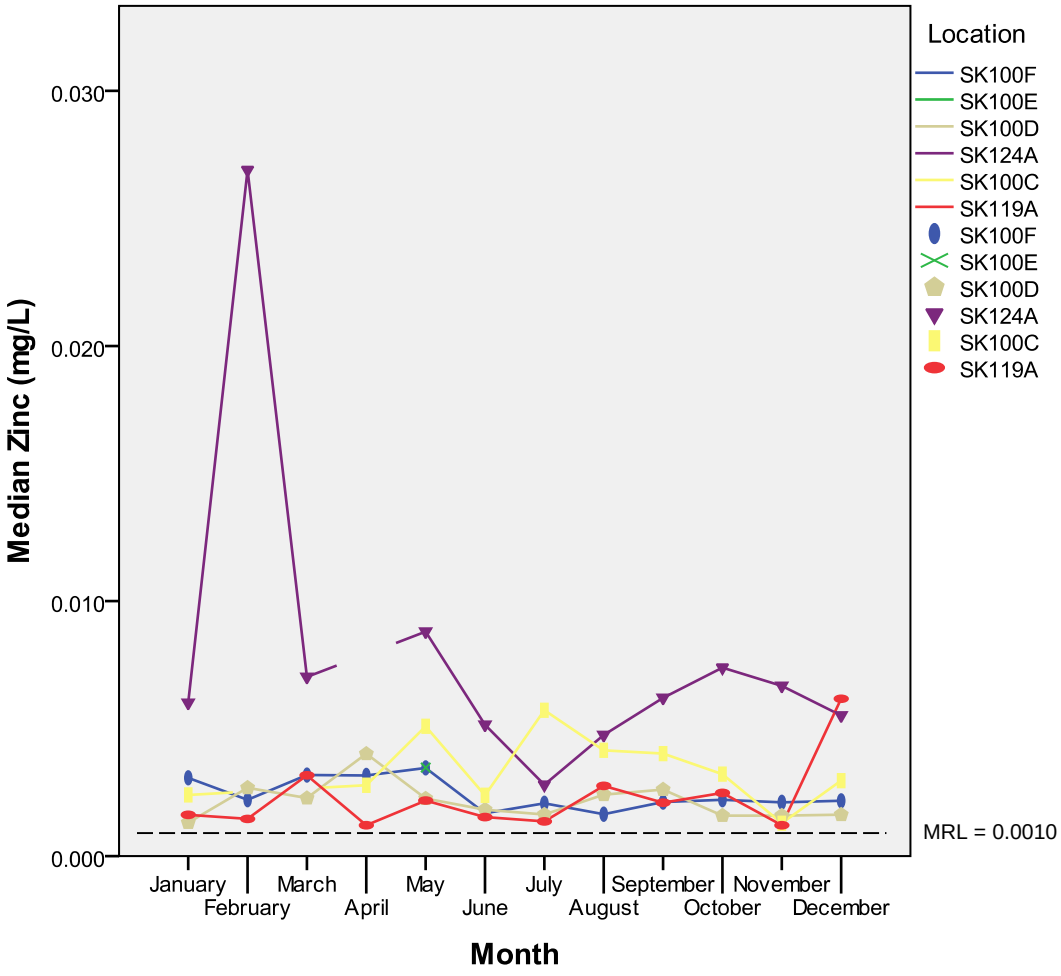

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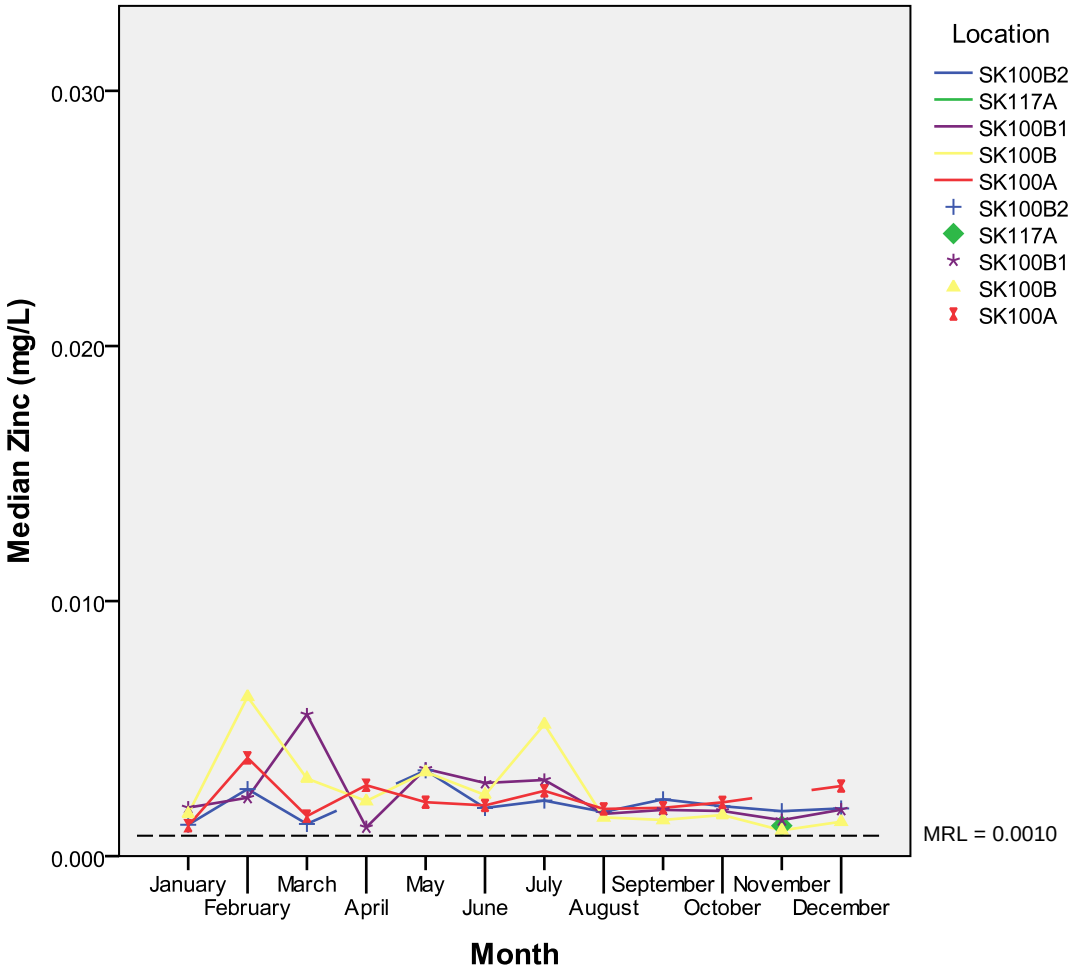

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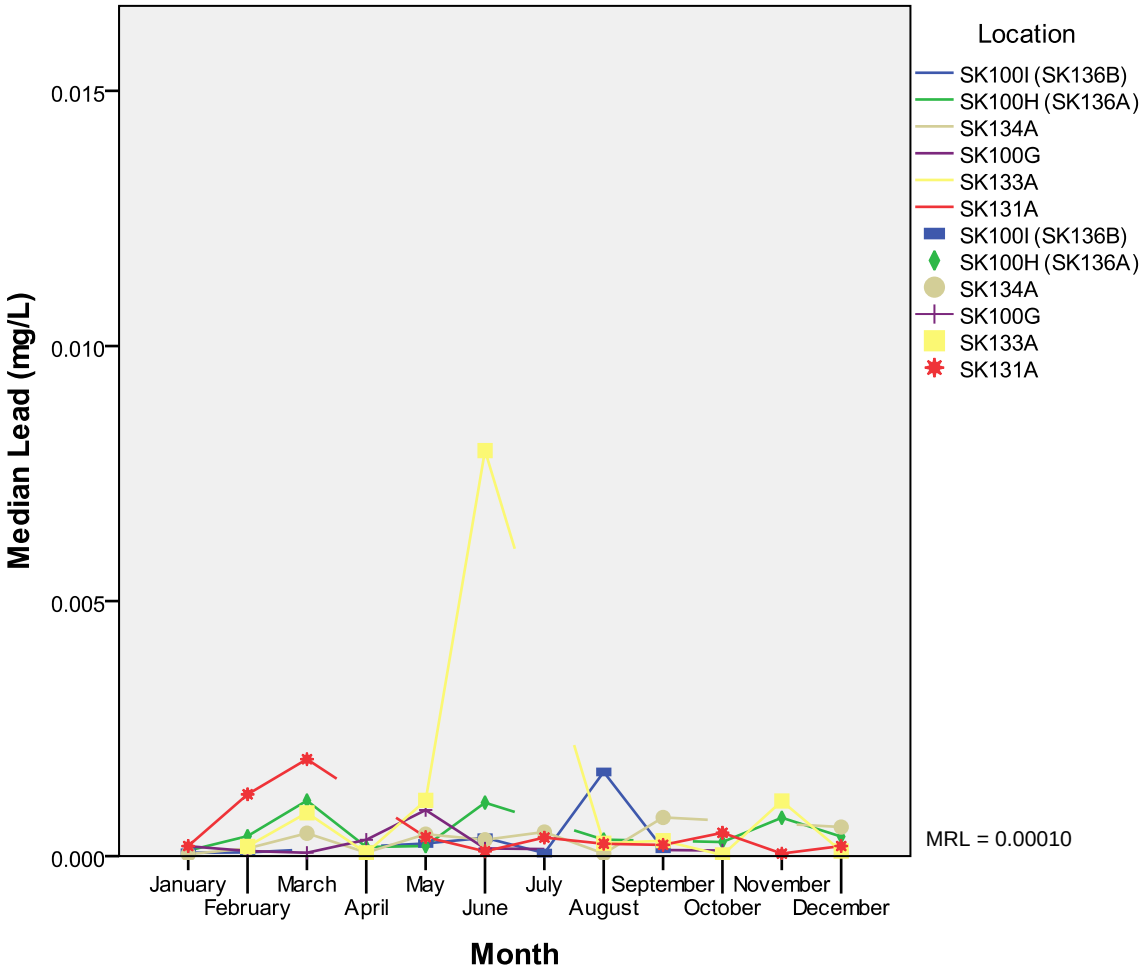

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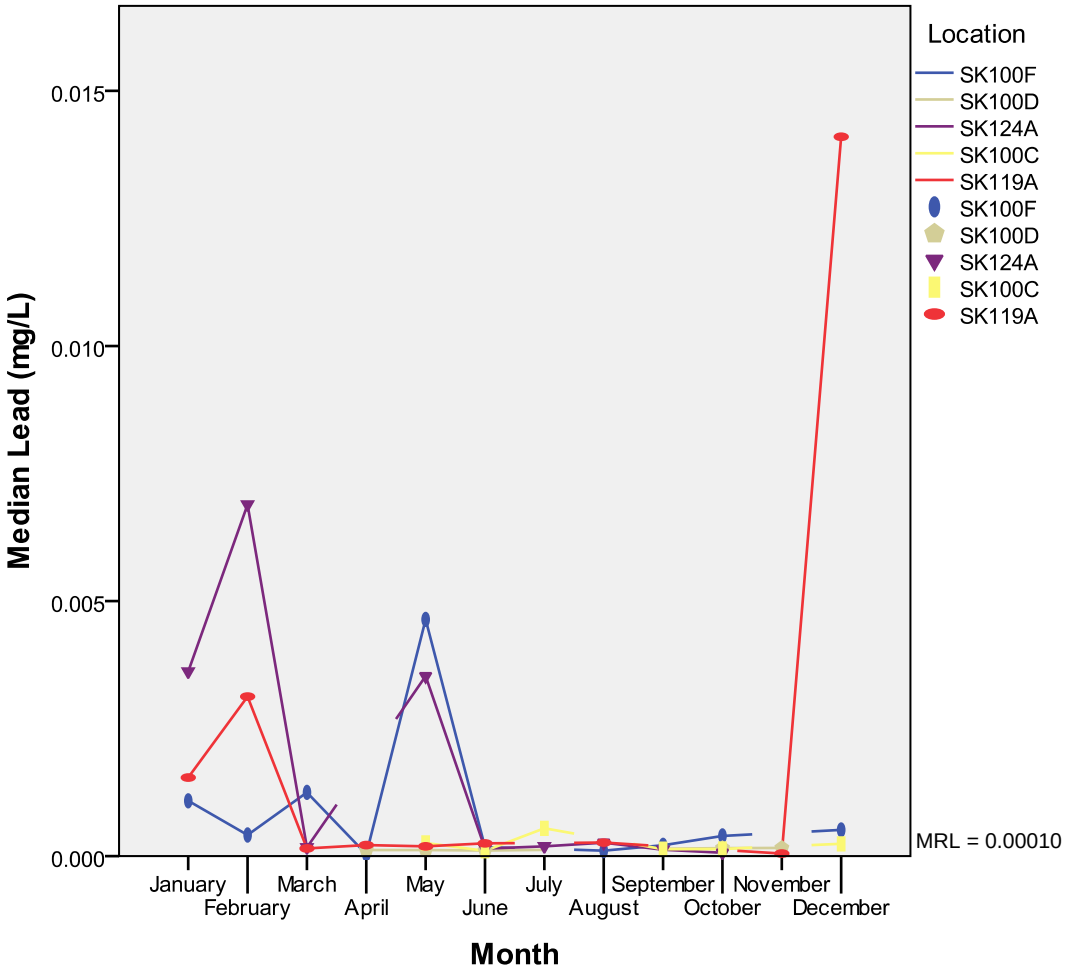

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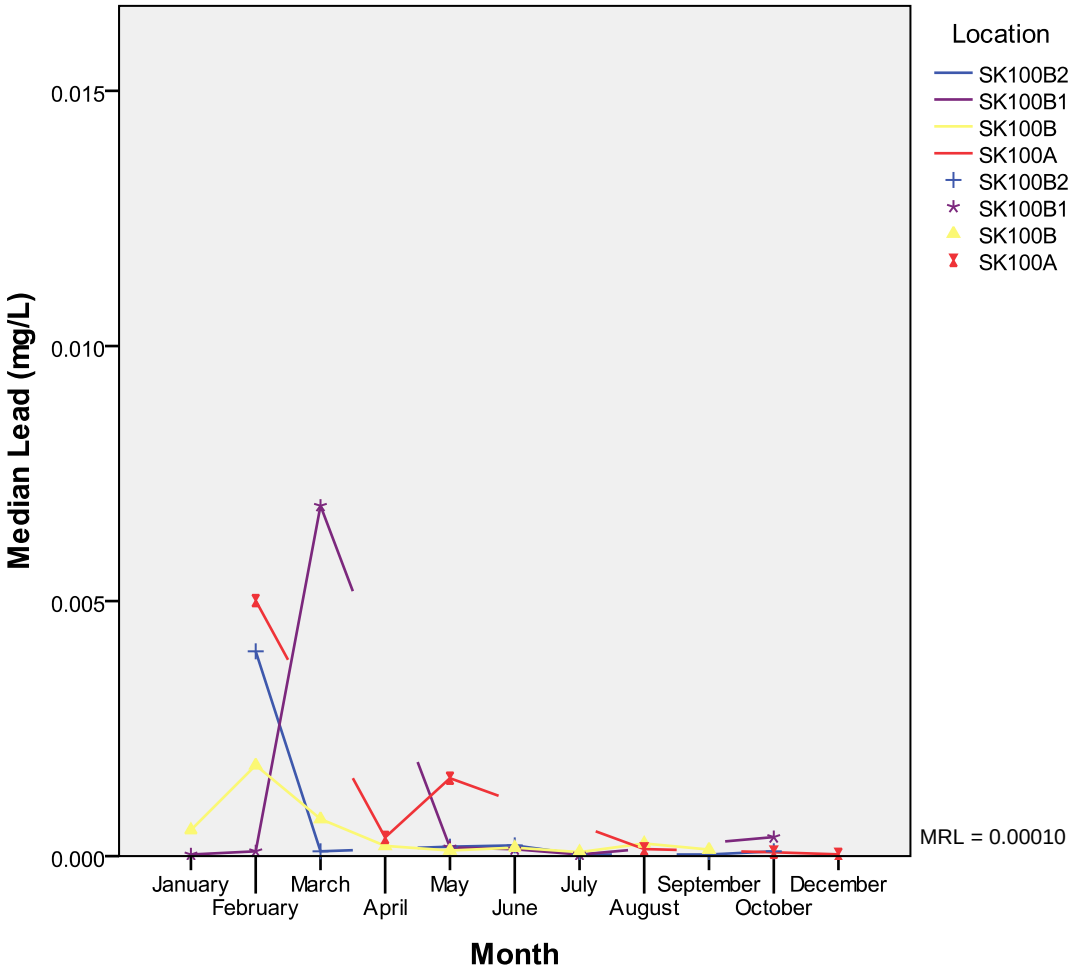

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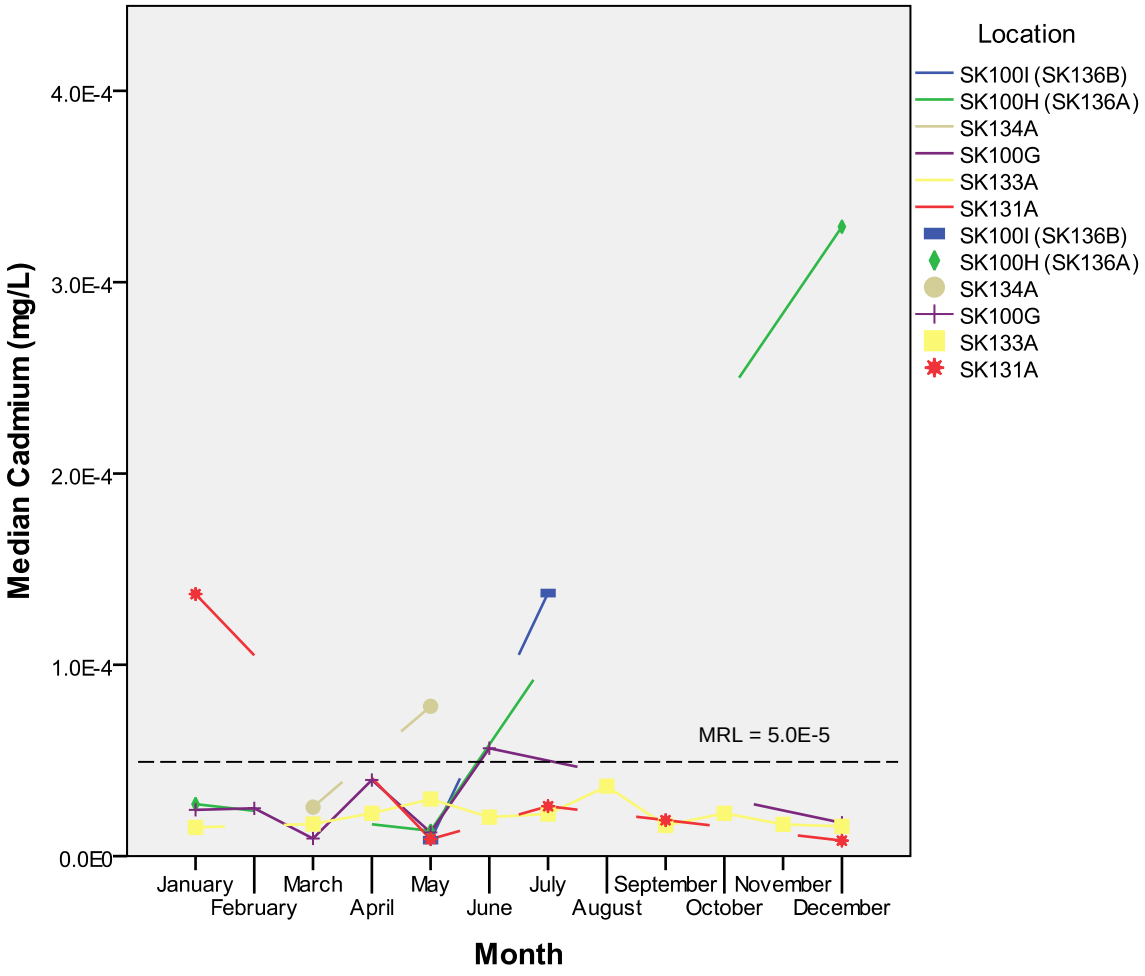

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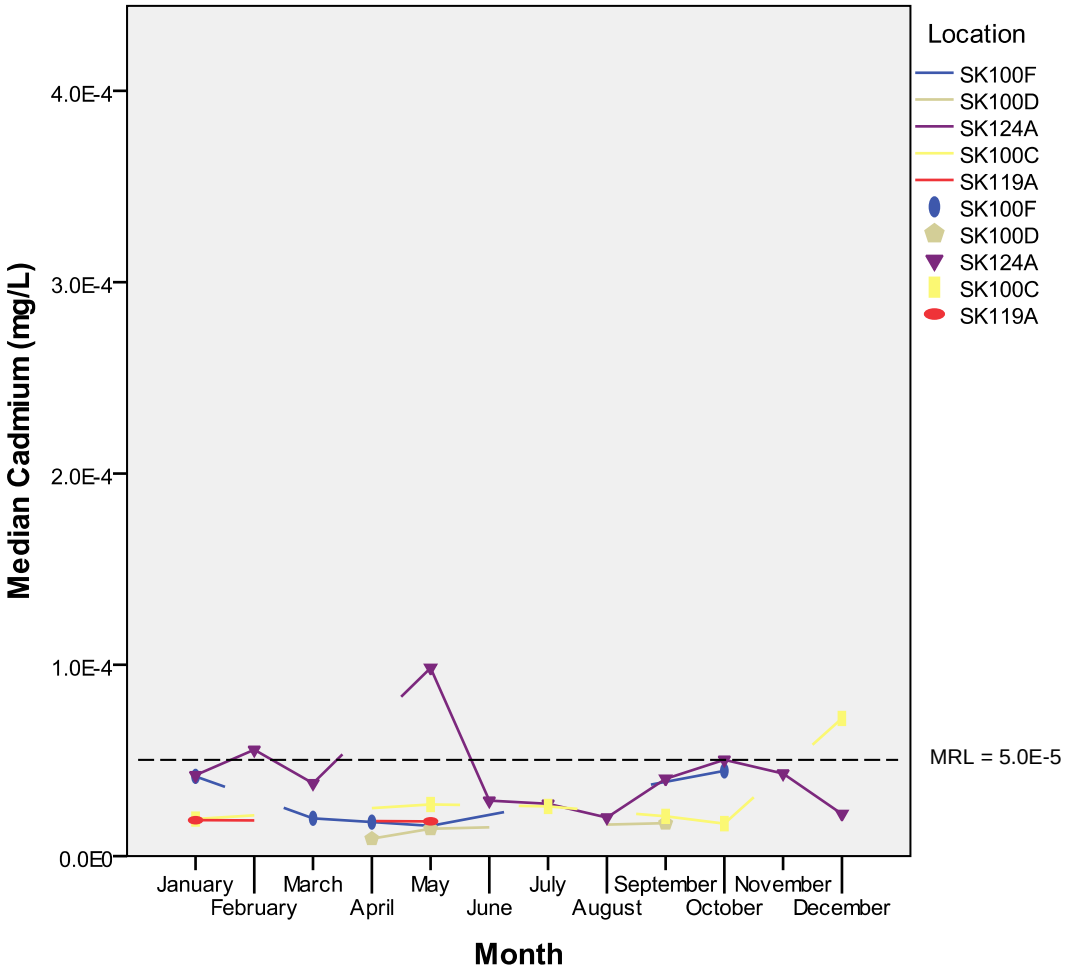

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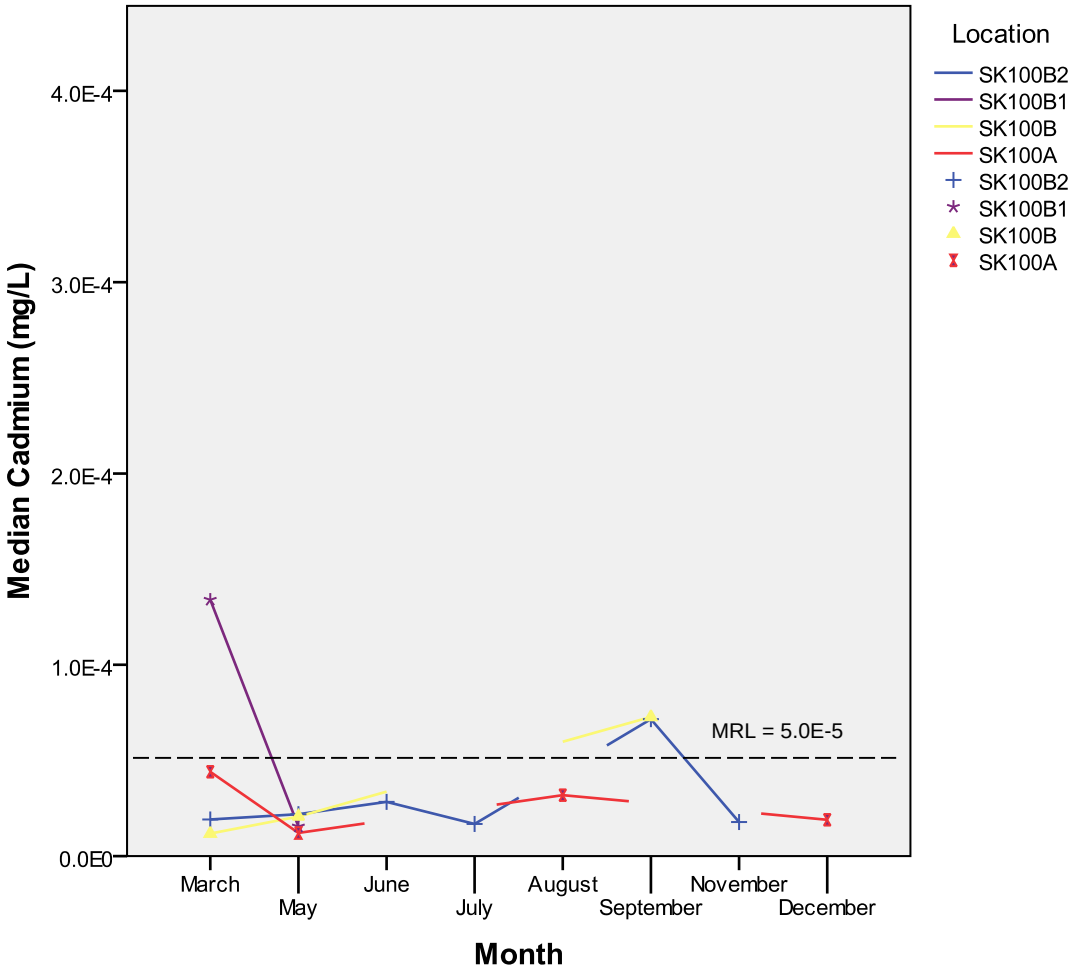

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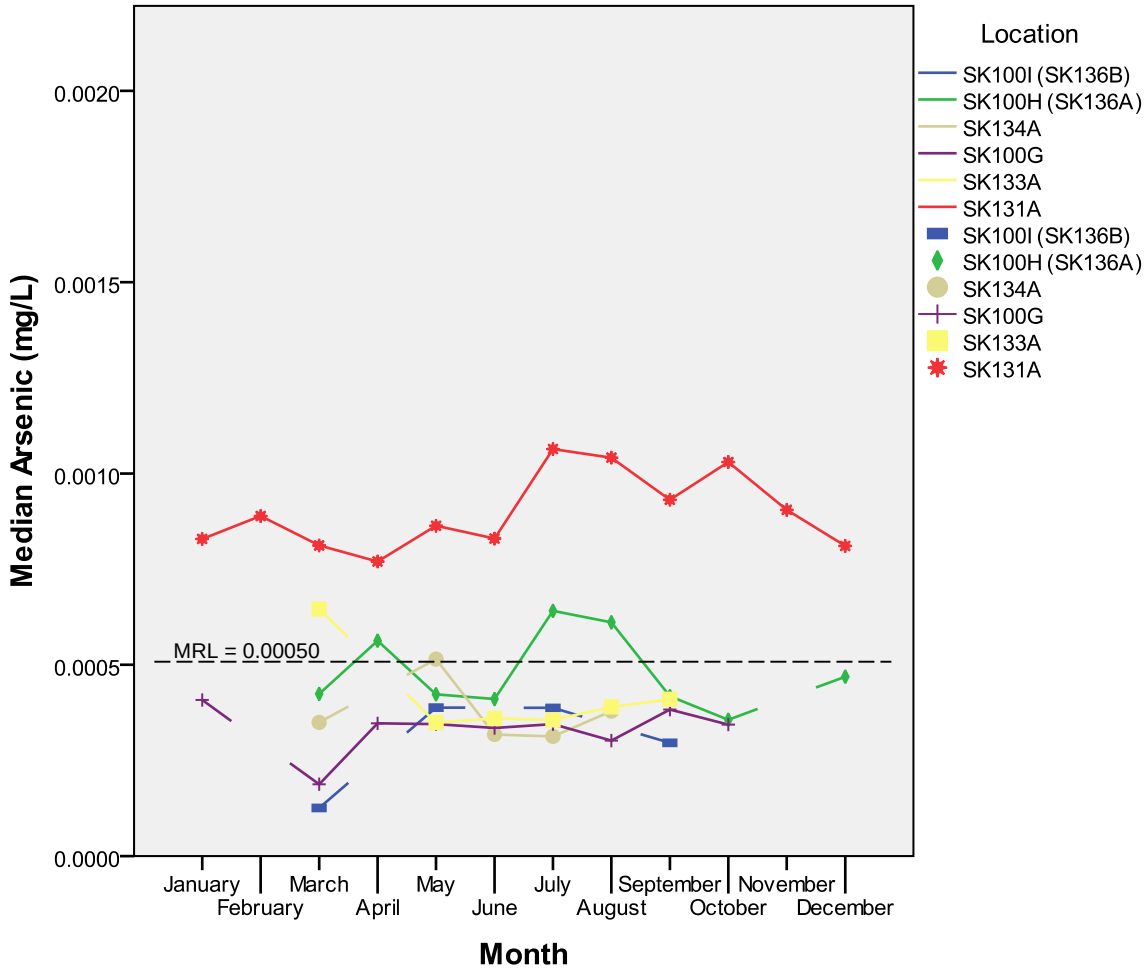

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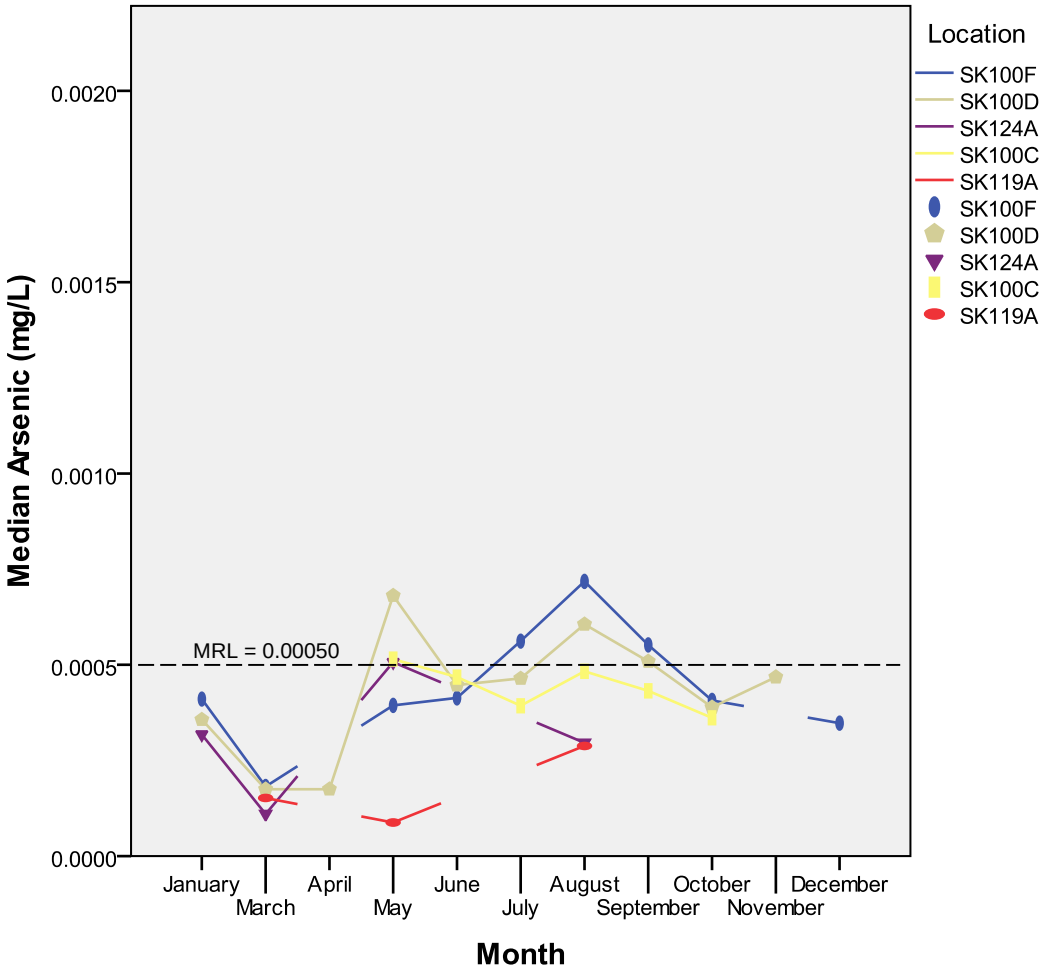

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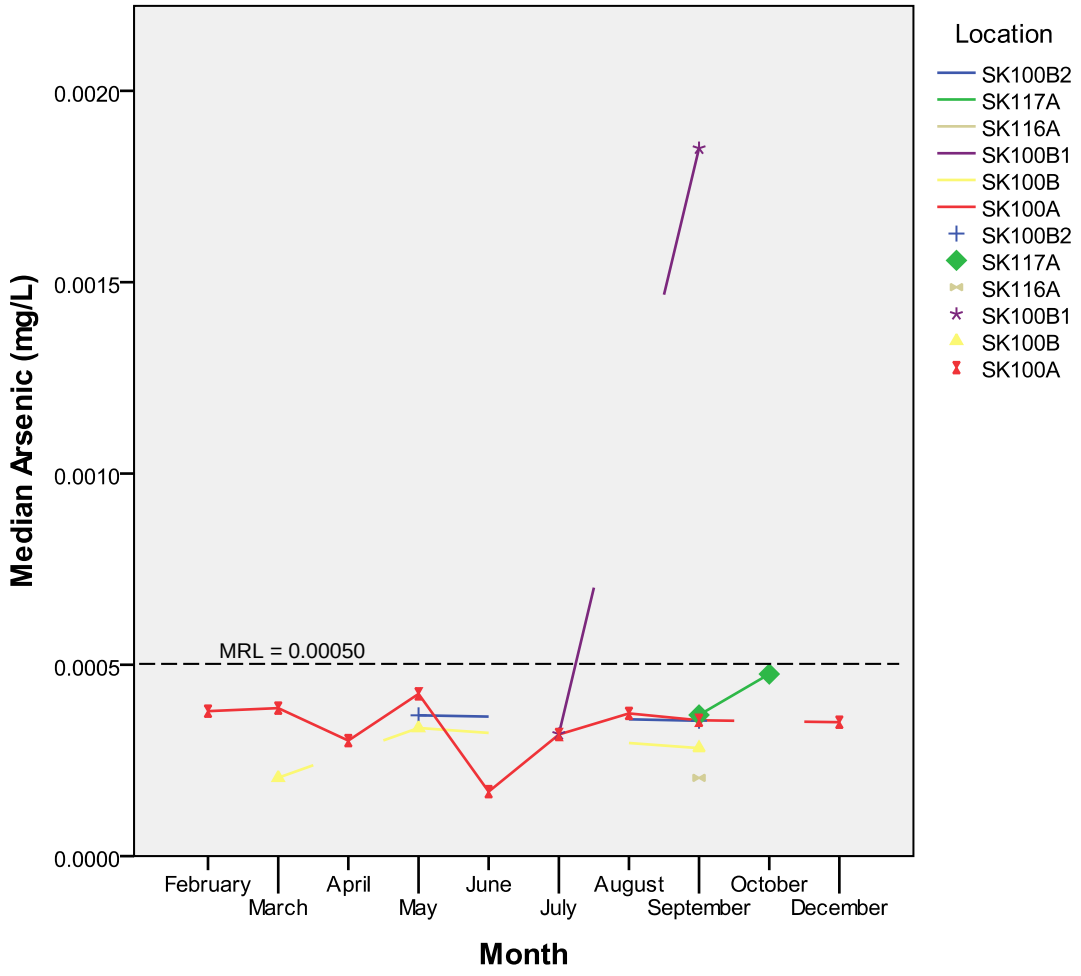

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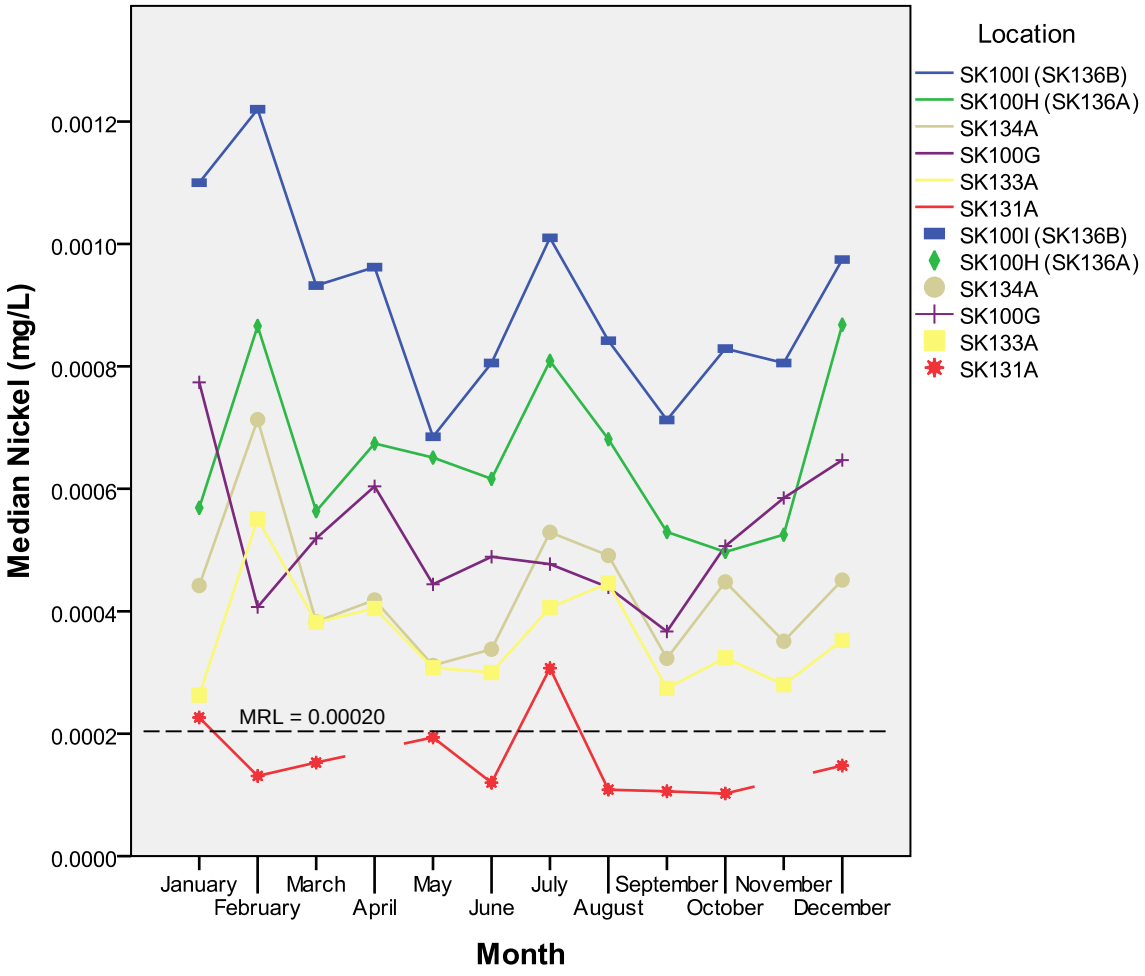

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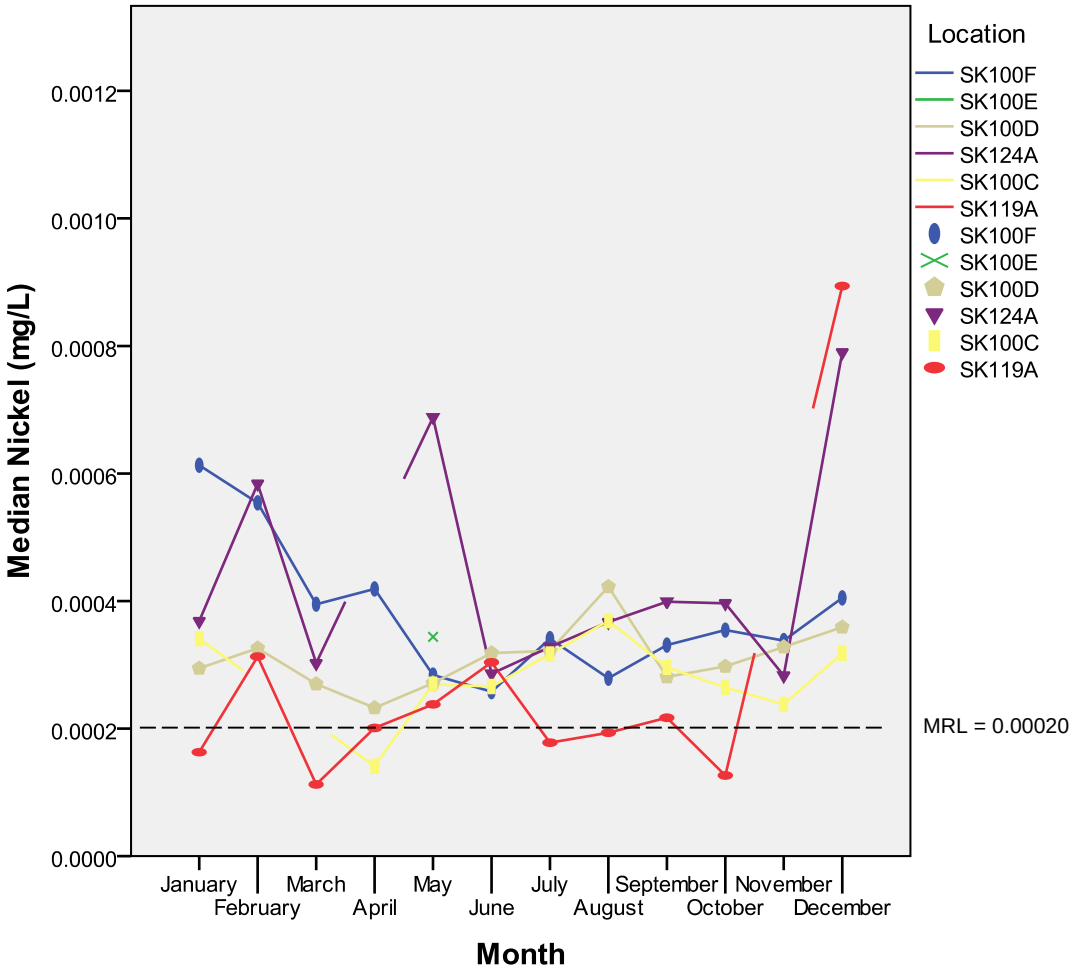

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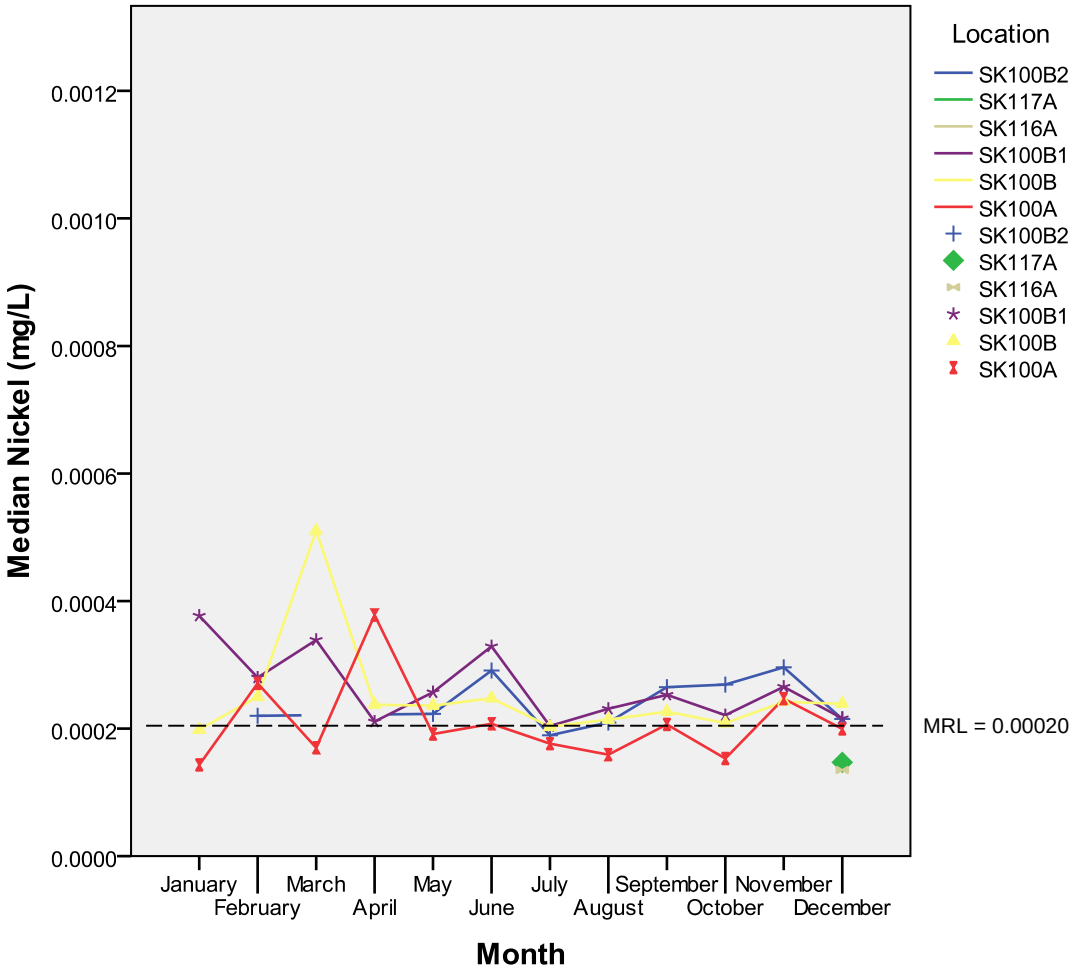

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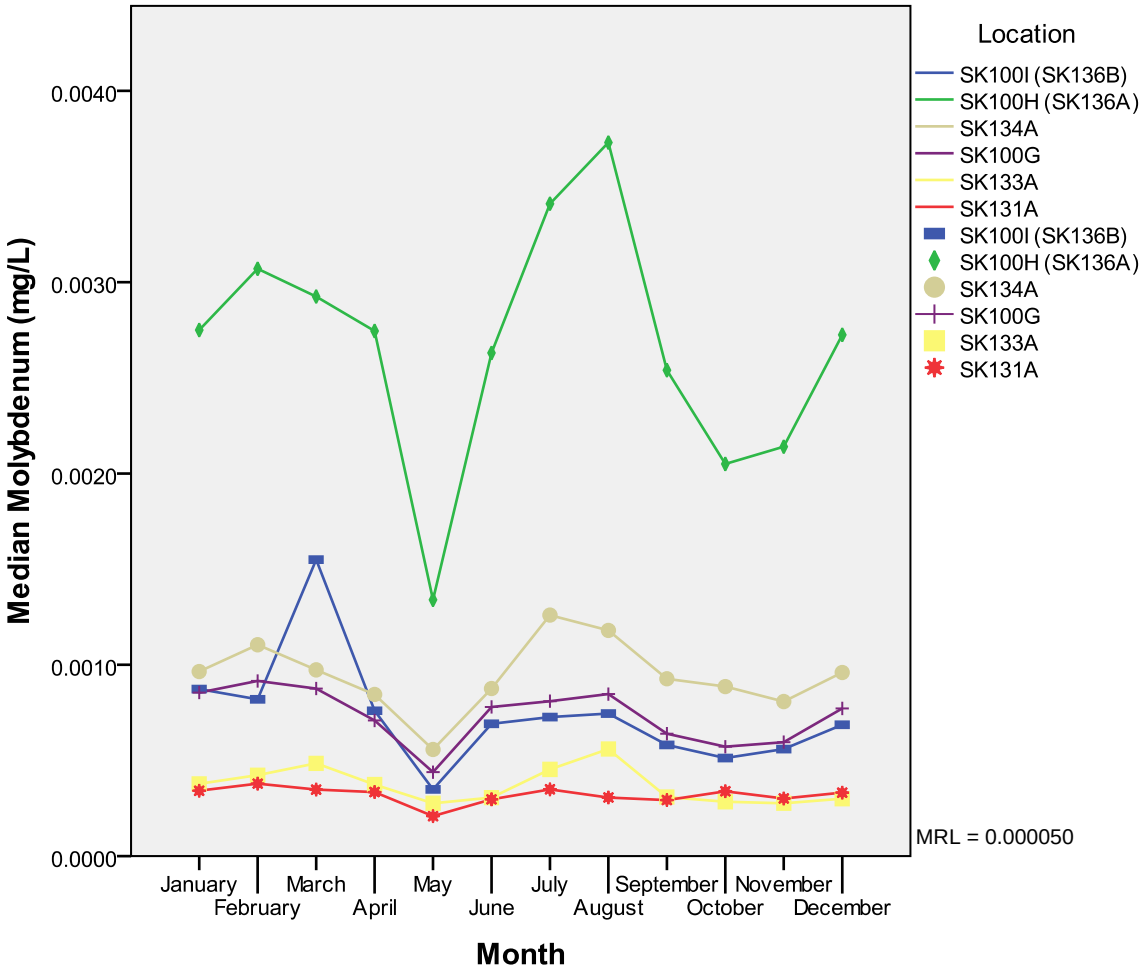

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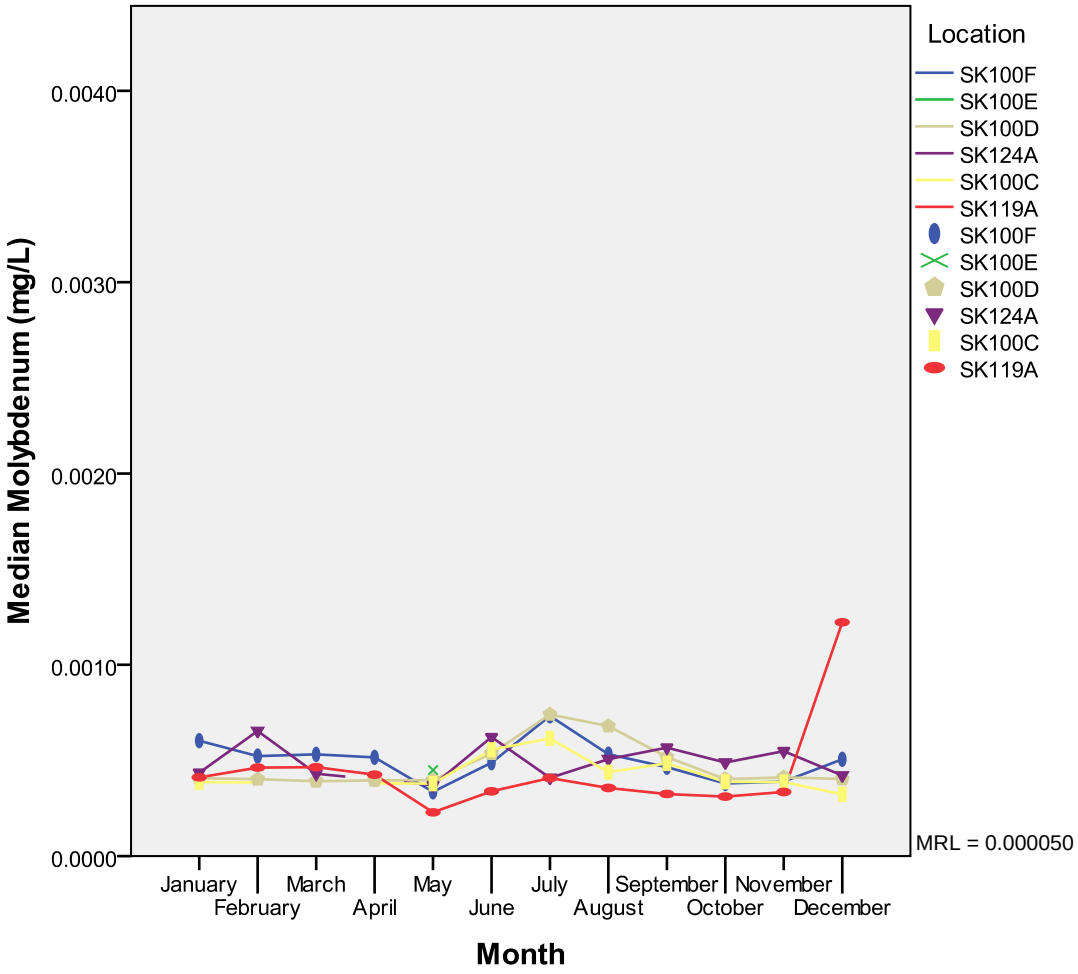

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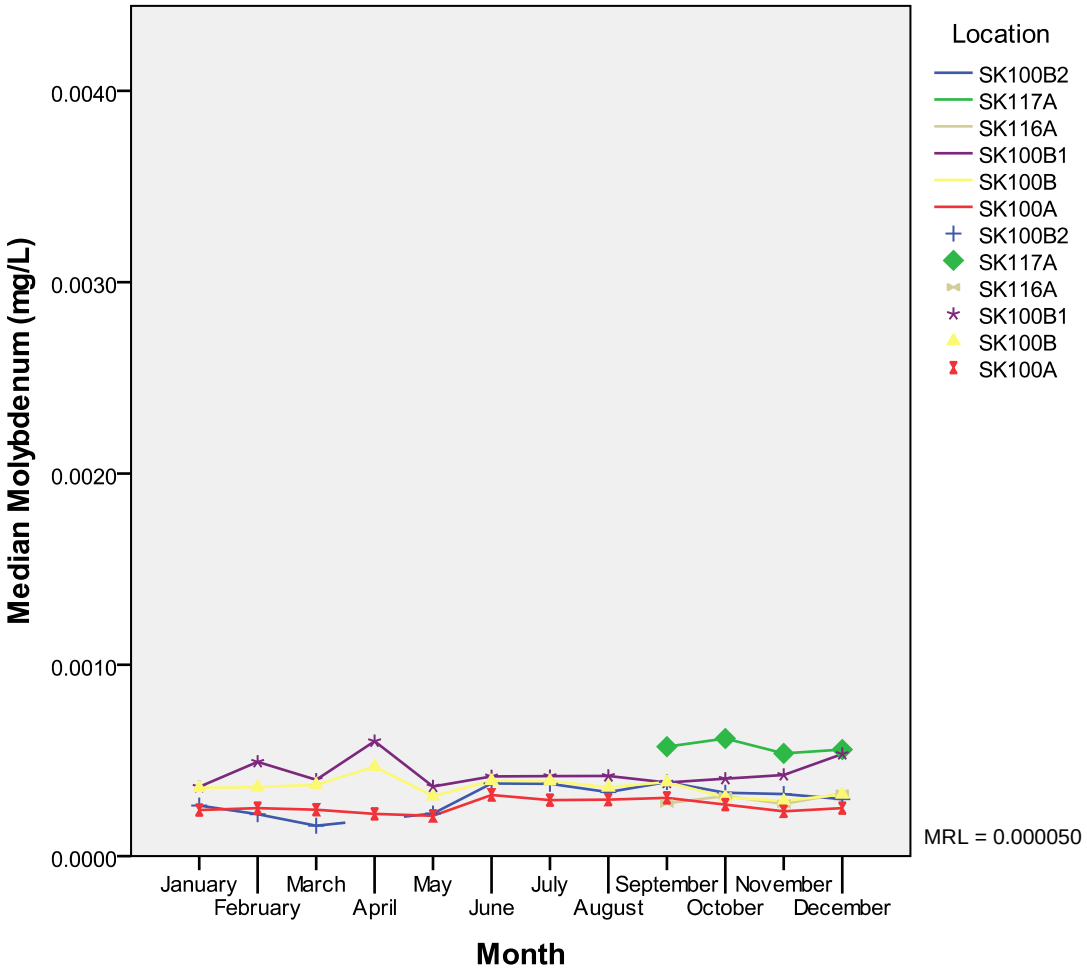

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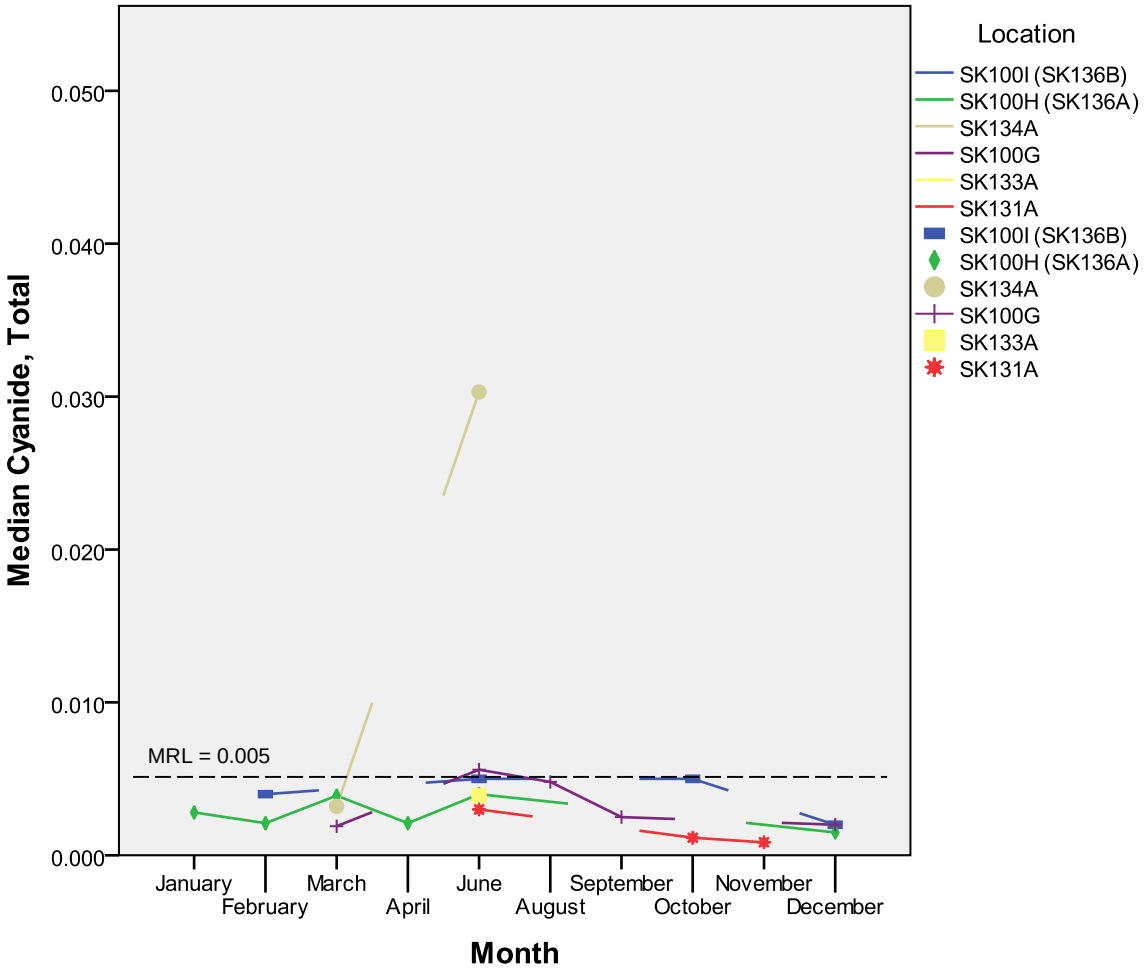

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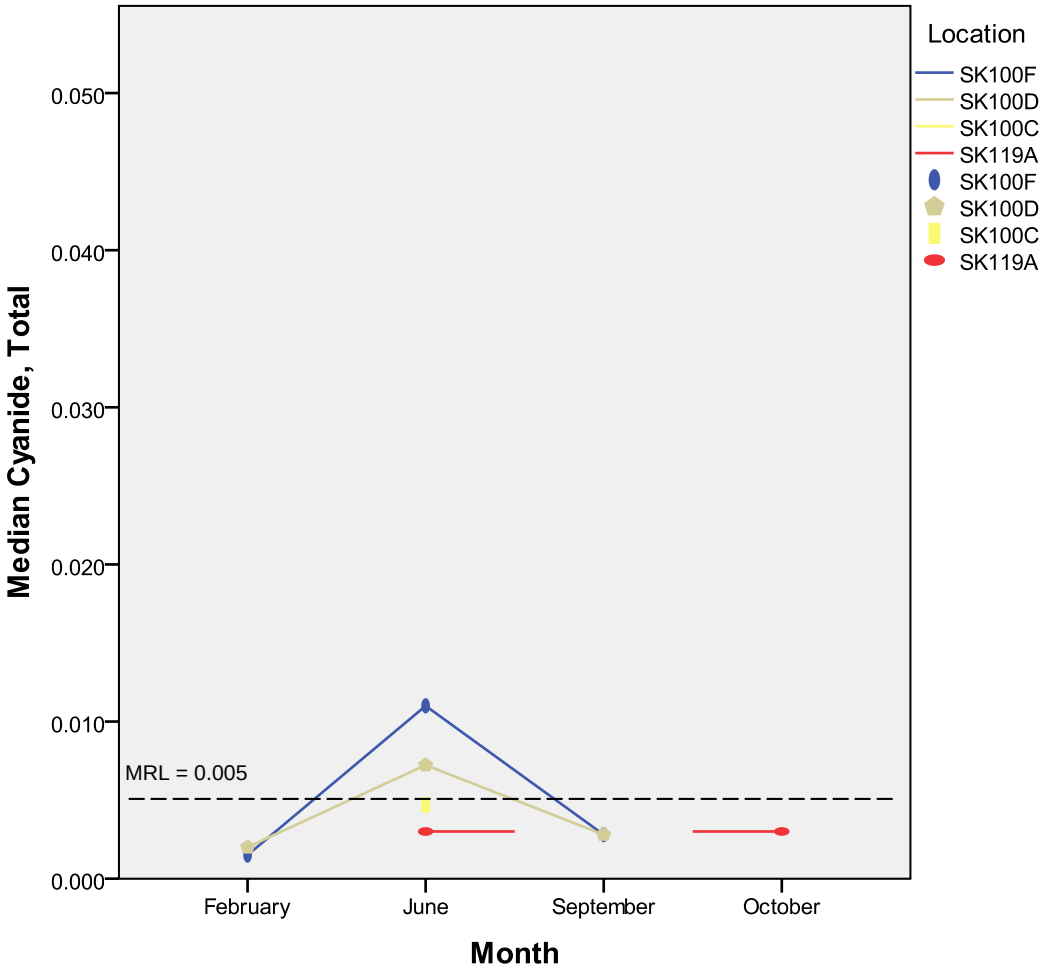

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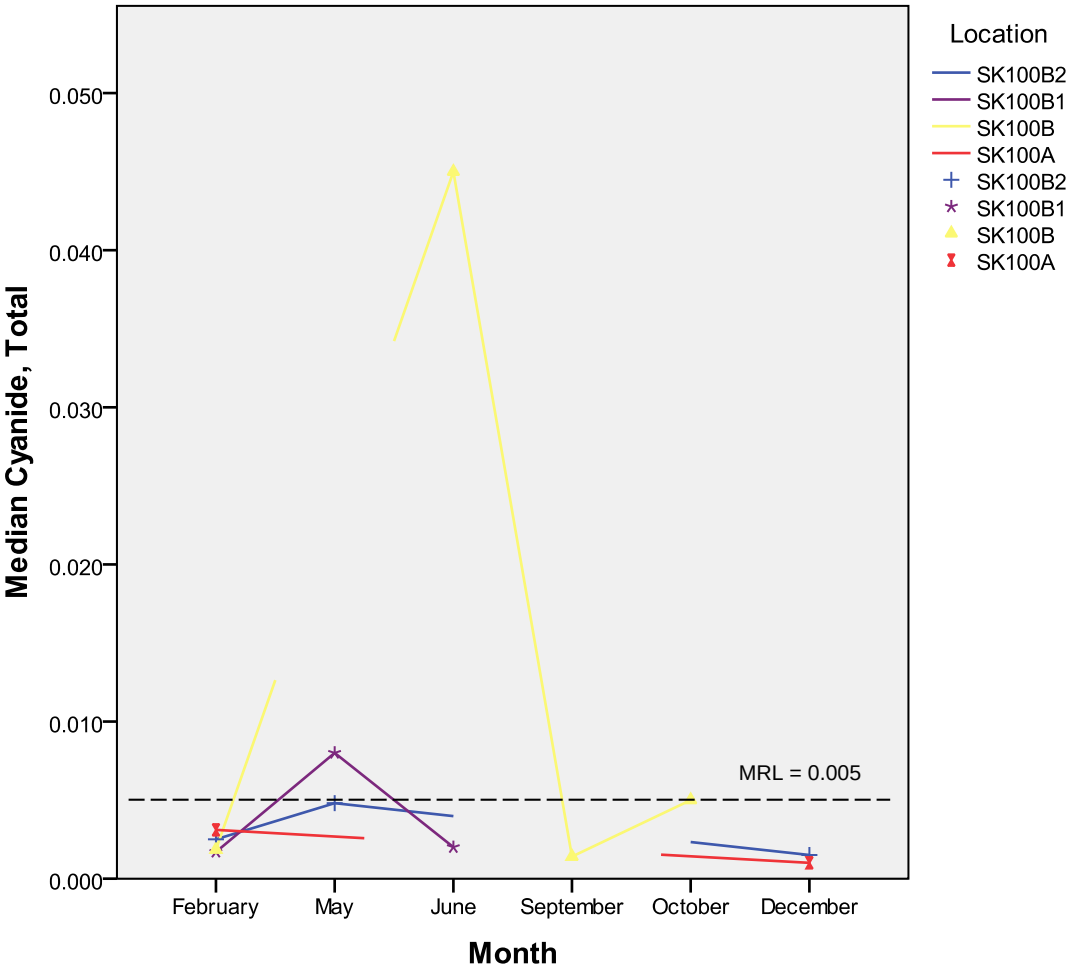

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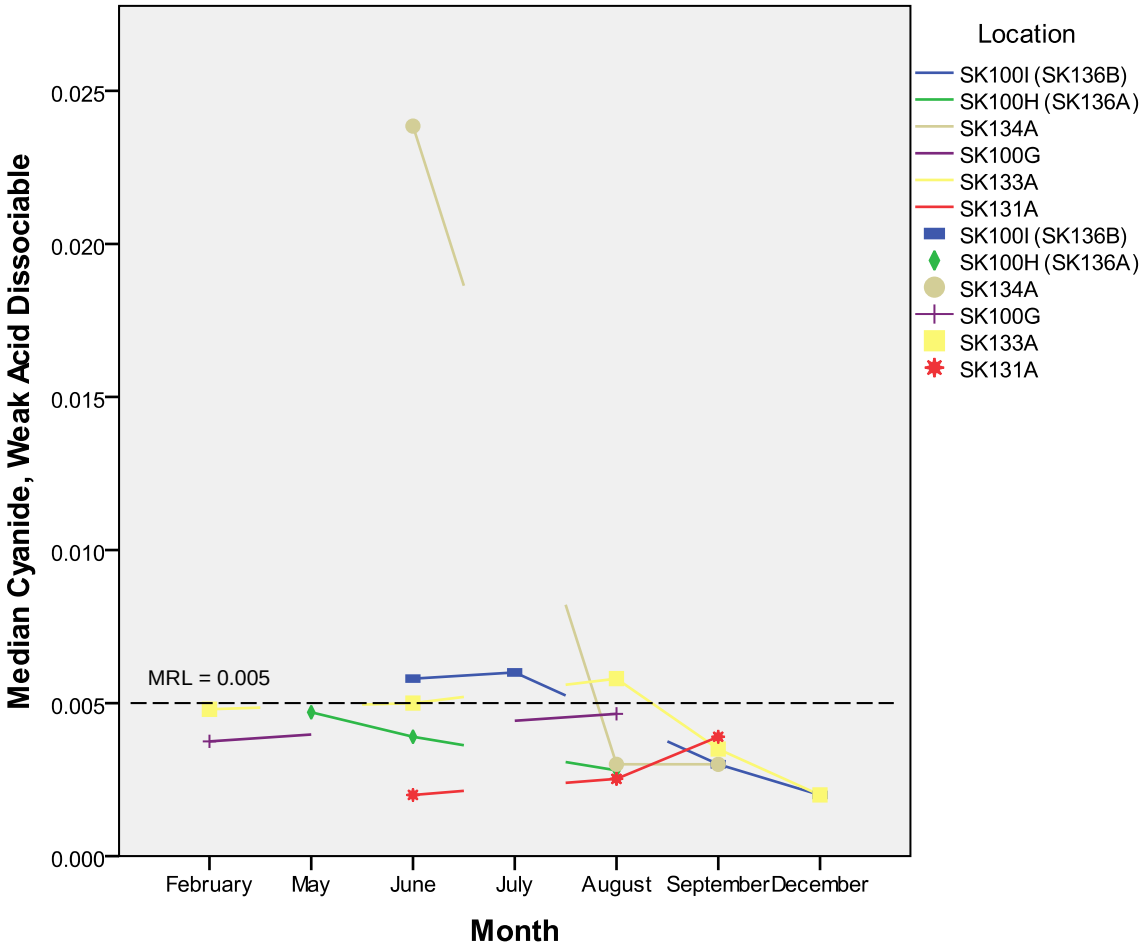

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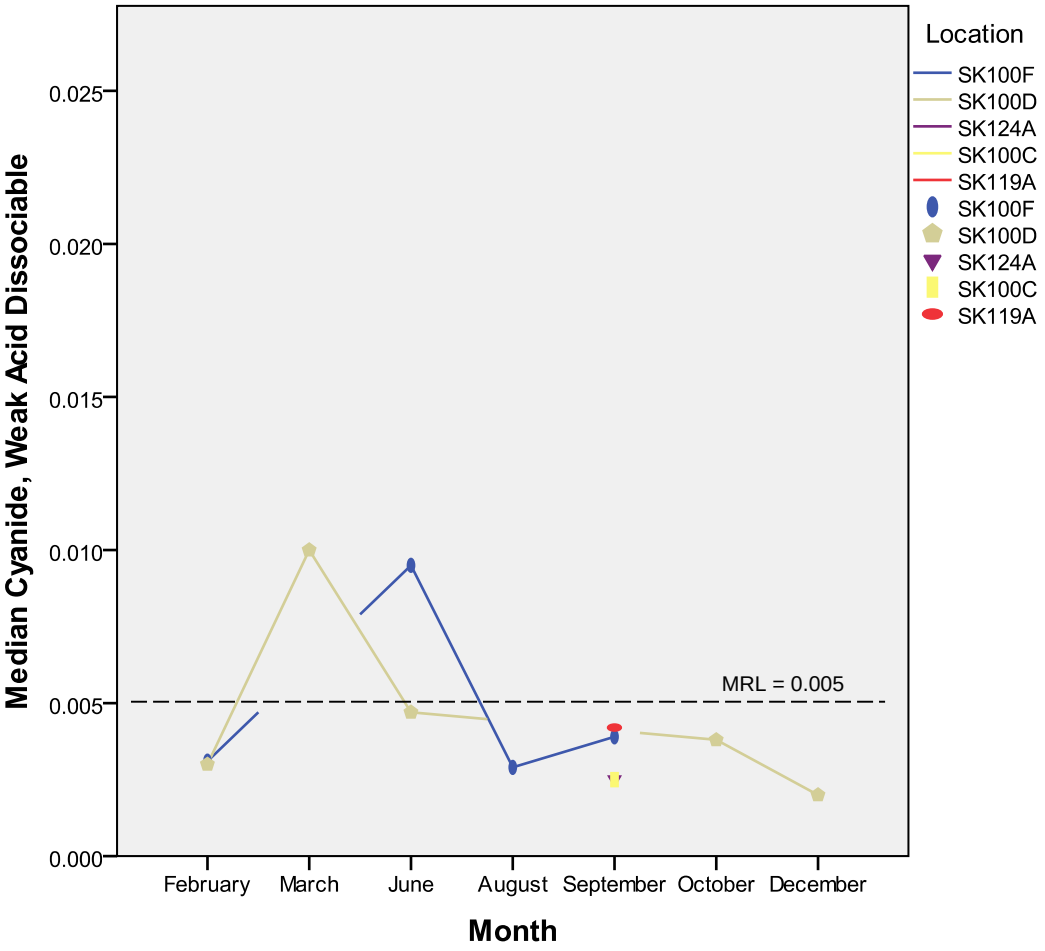

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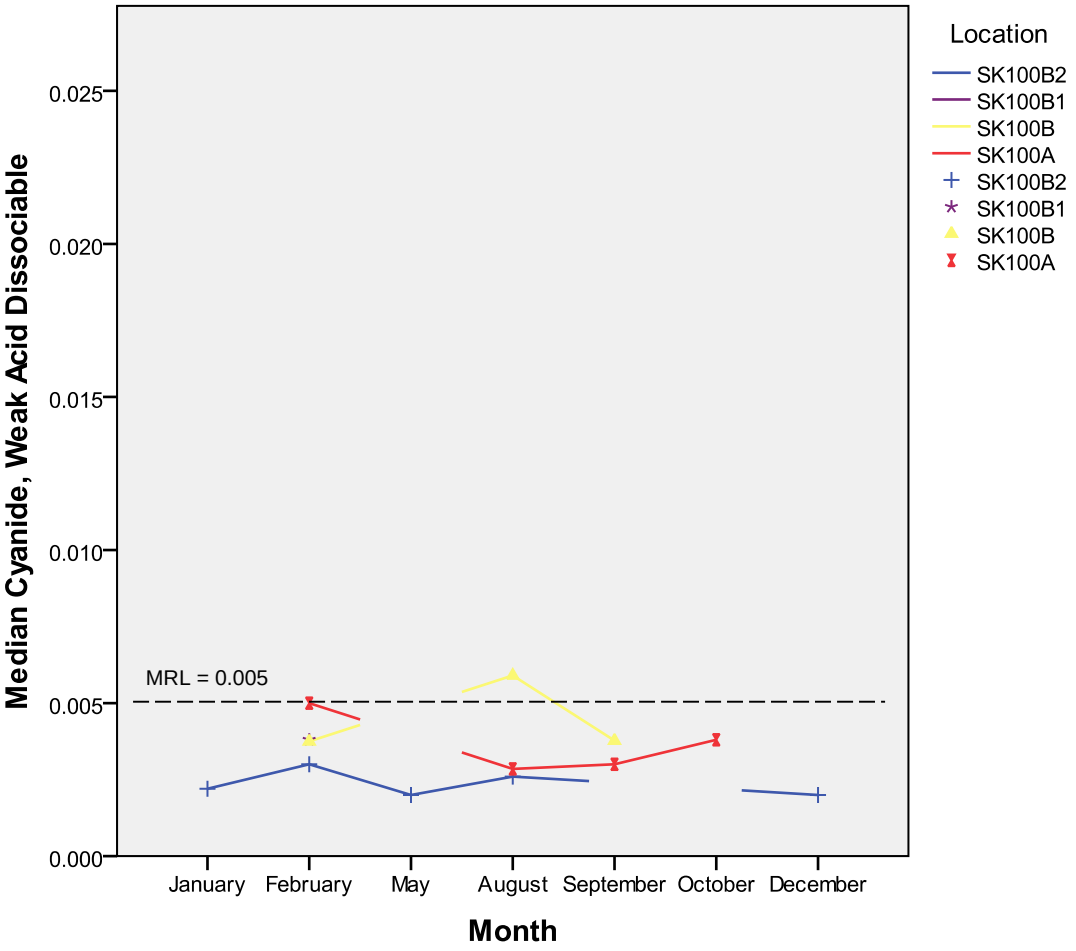

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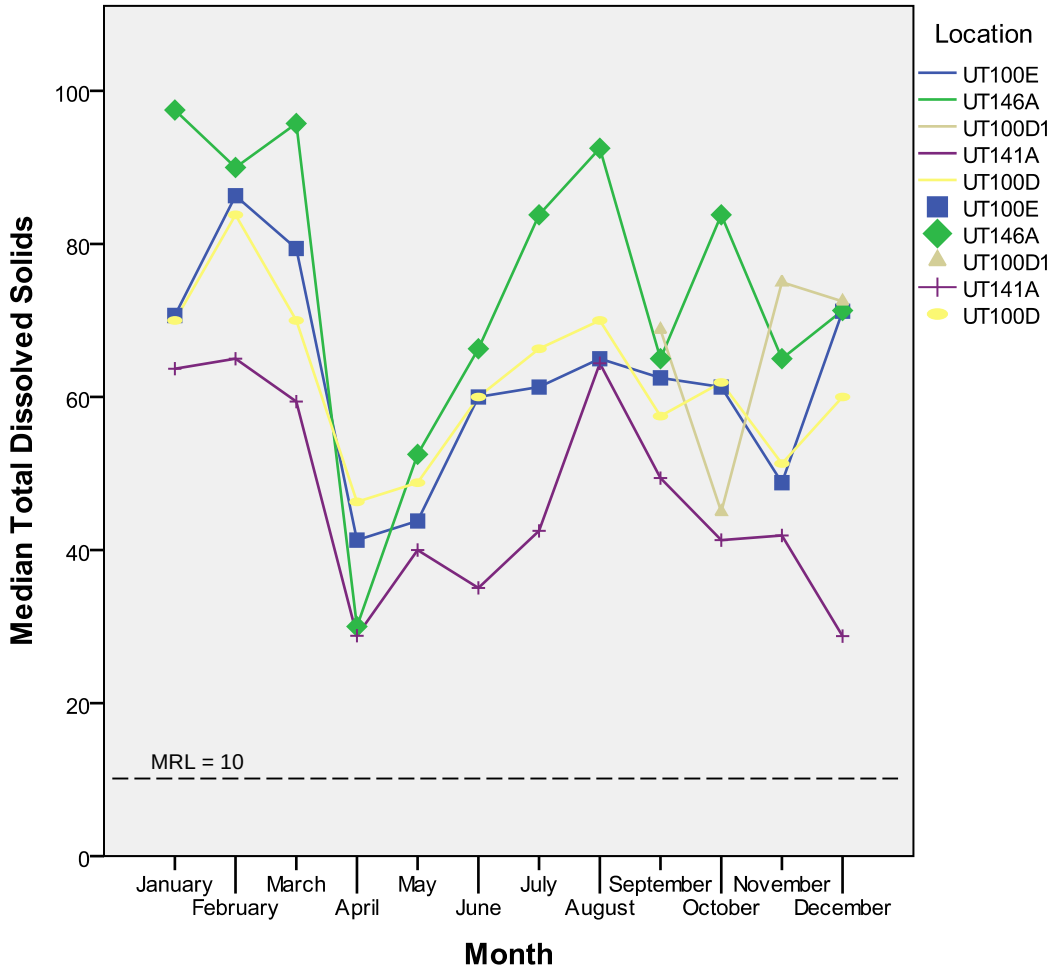
UPPER TALARIK CREEK

UPPER TALARIK CREEK: Locations UT100E, UT146A, UT100D1, UT141A, and UT100D



Notes:

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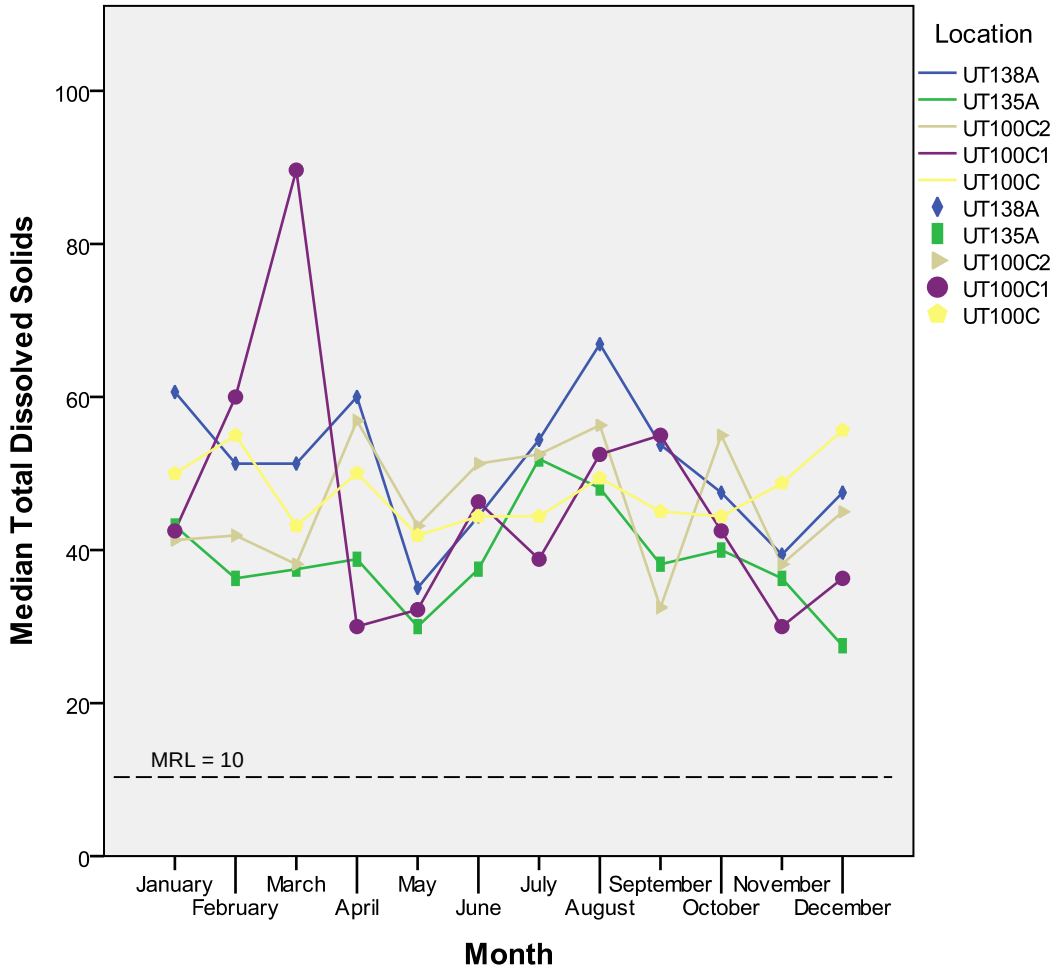
UPPER TALARIK CREEK: Locations UT138A, UT135A, UT100C2, UT100C1, and UT100C



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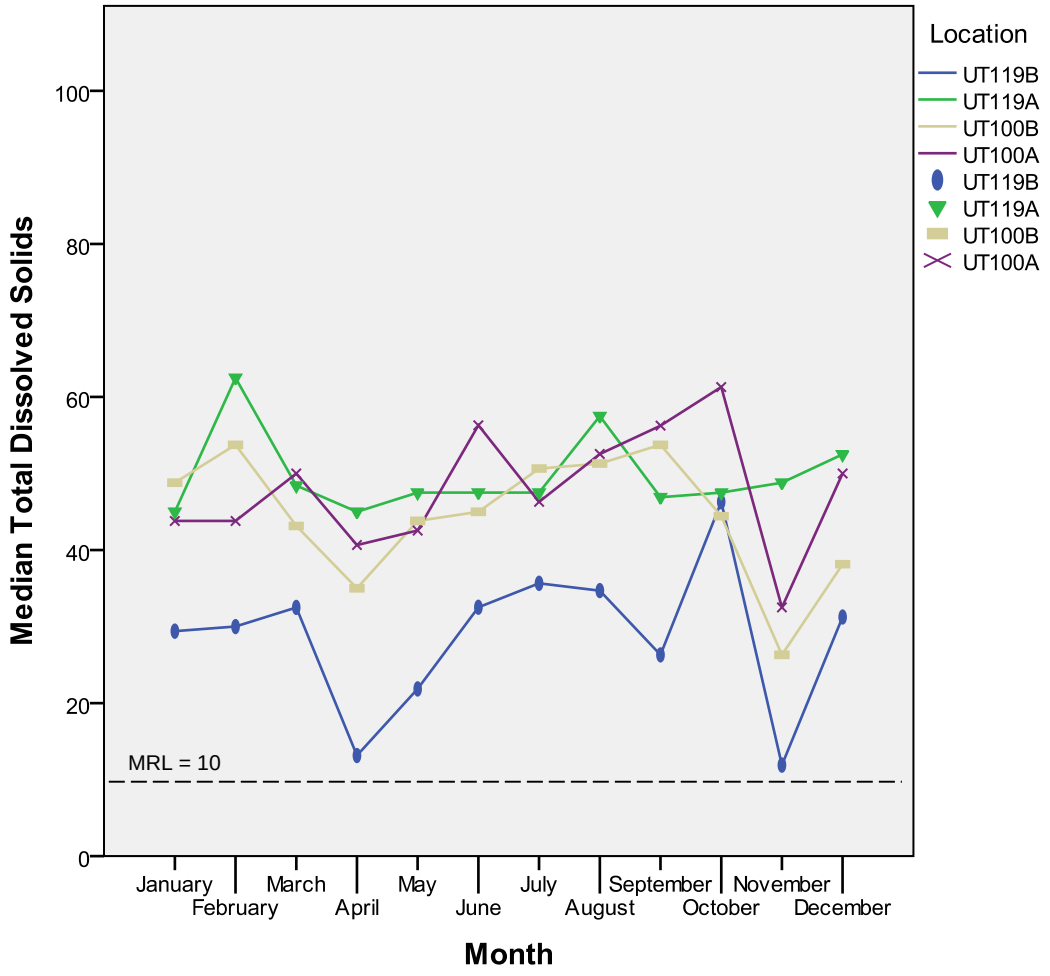

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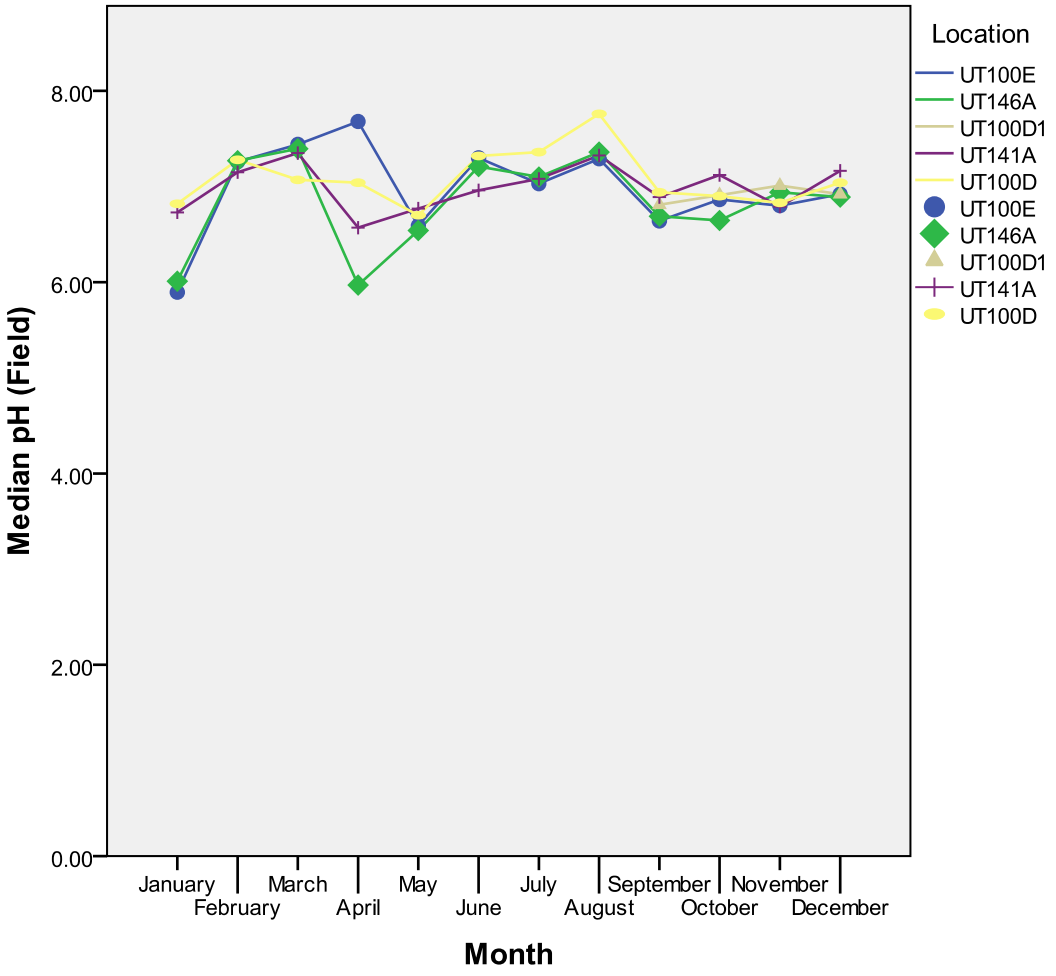

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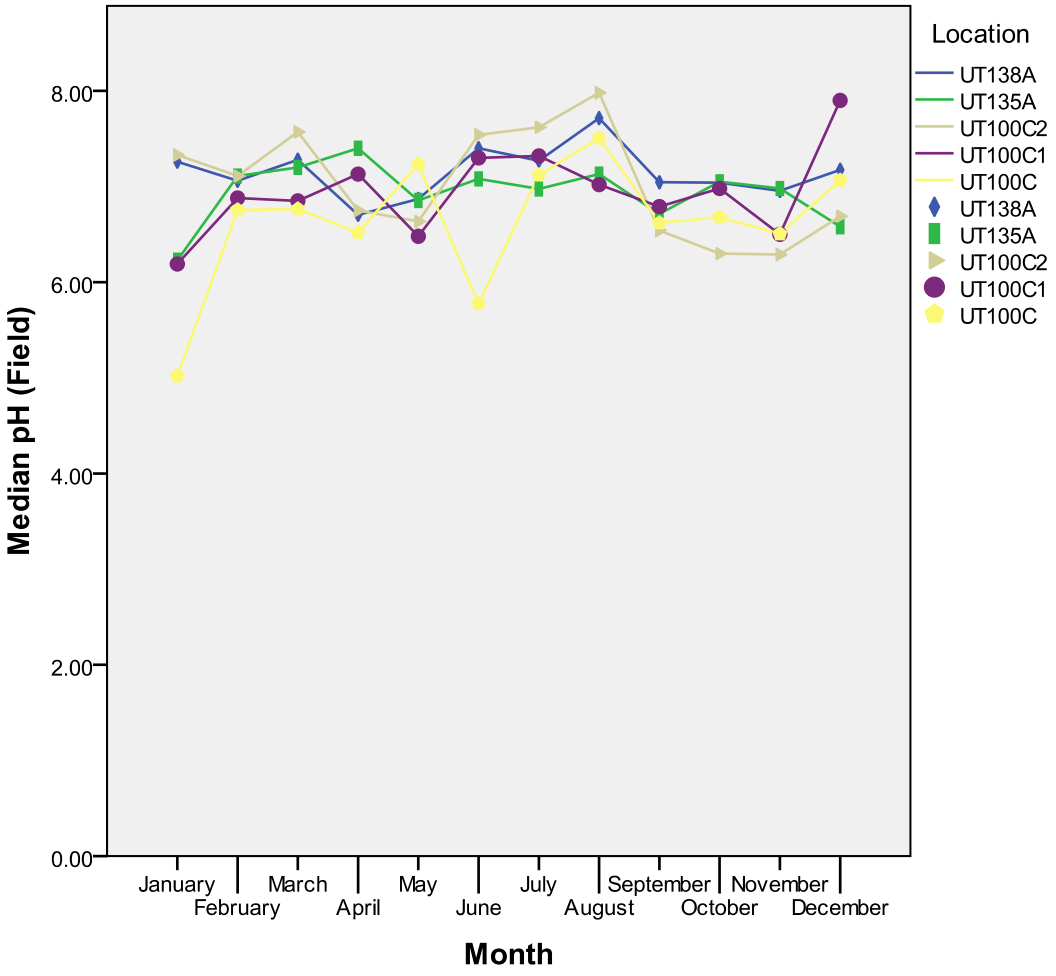

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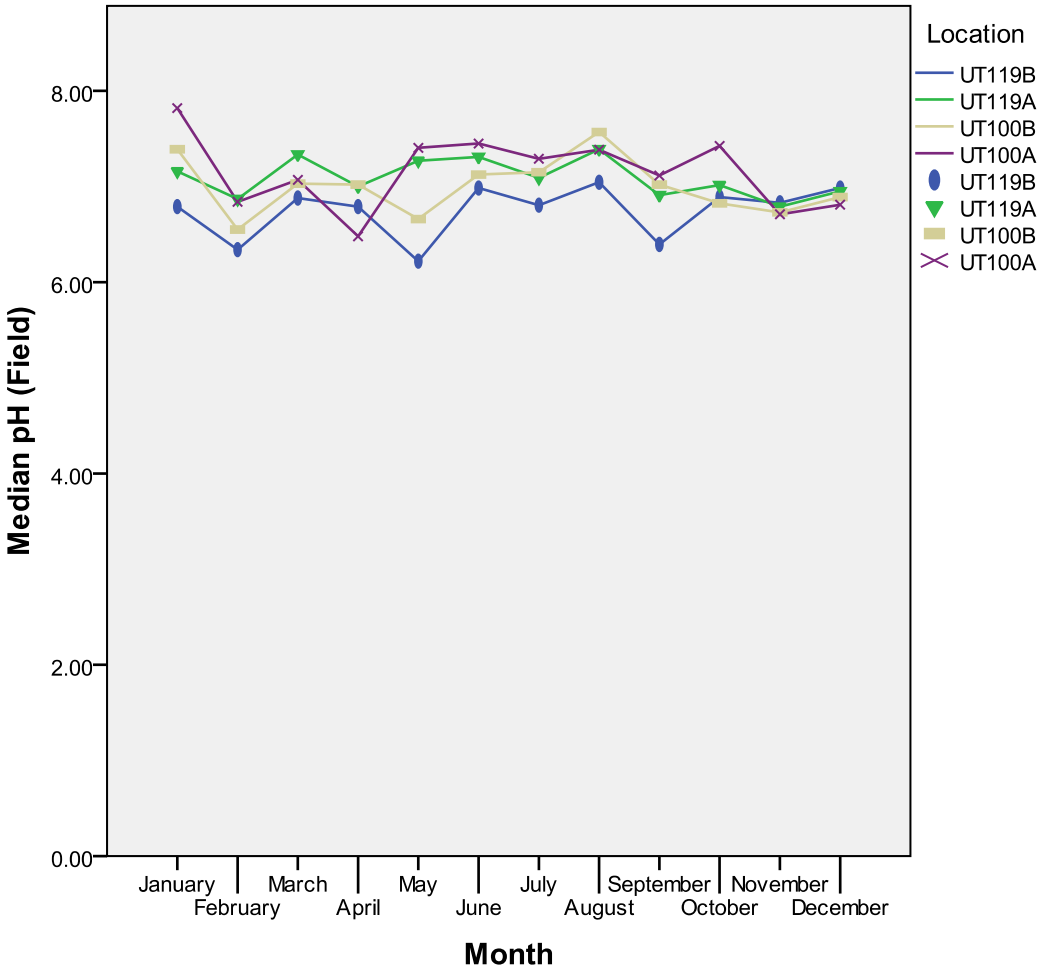

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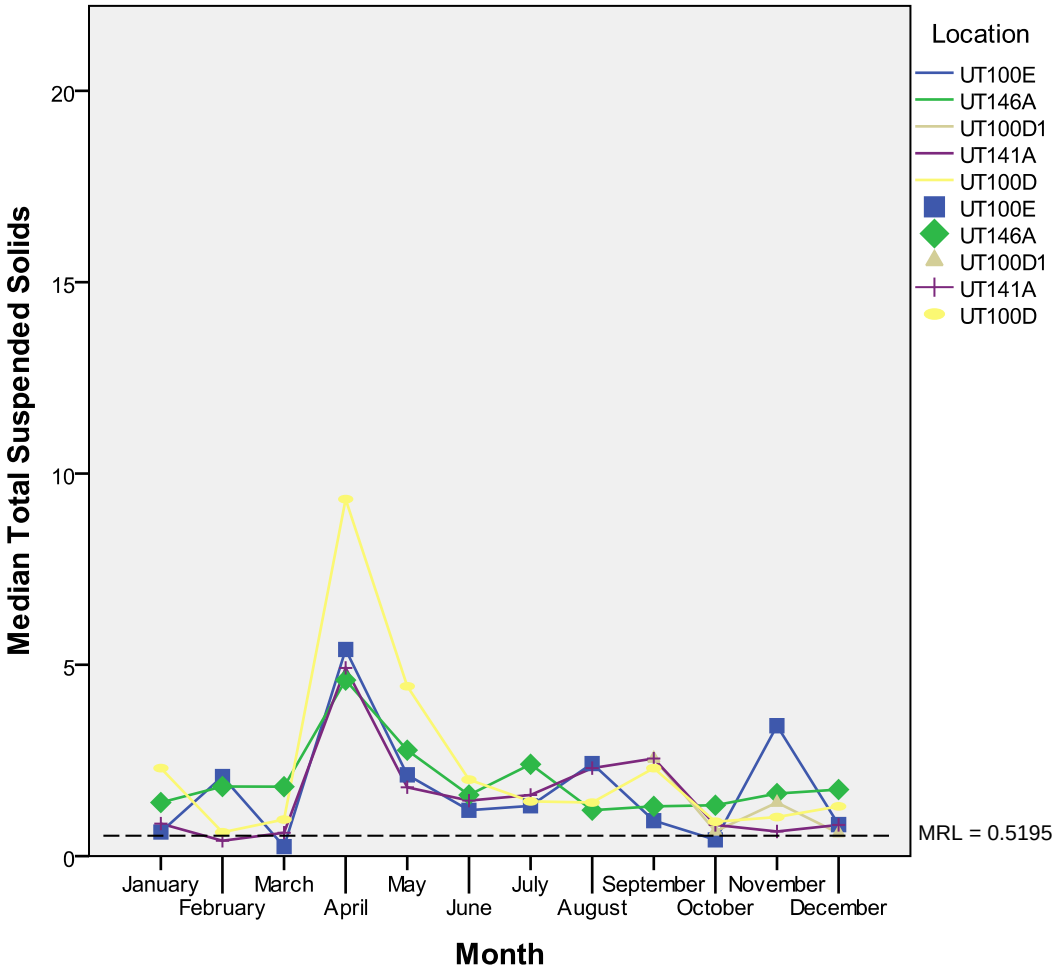

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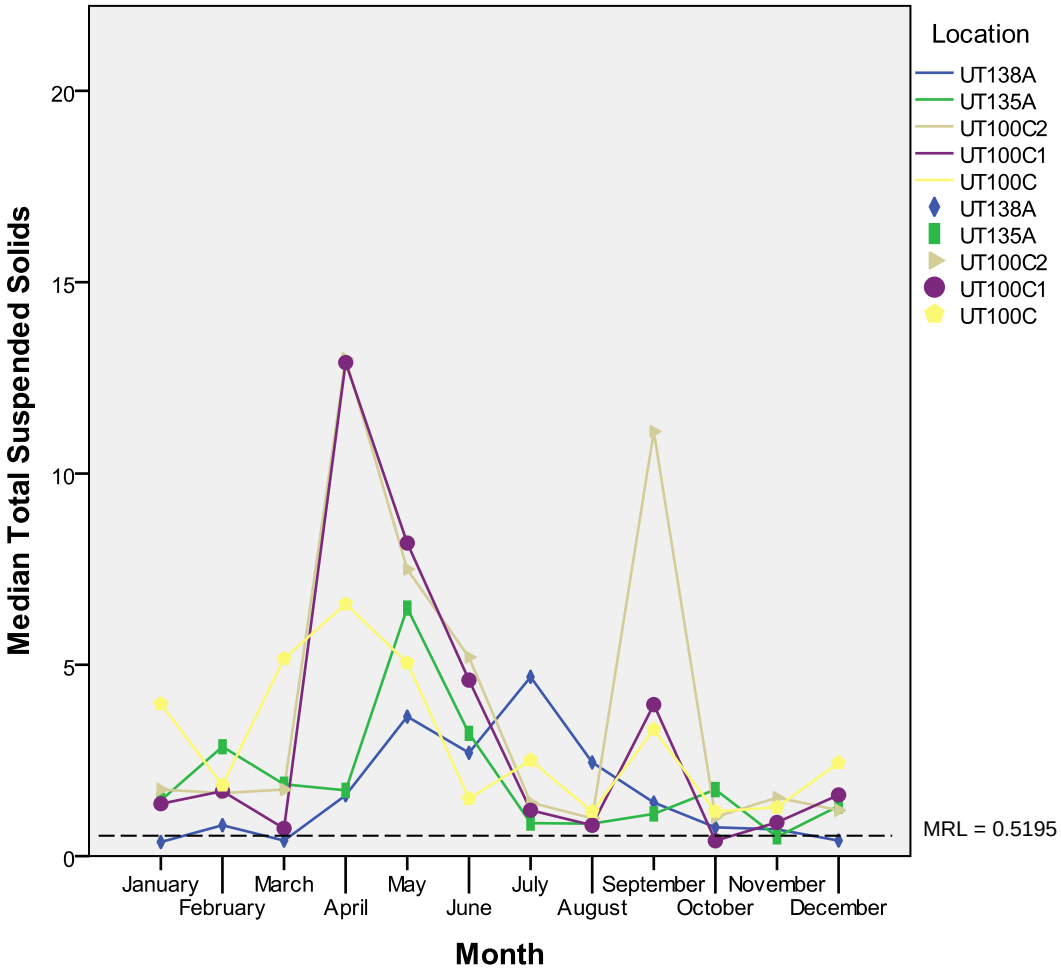

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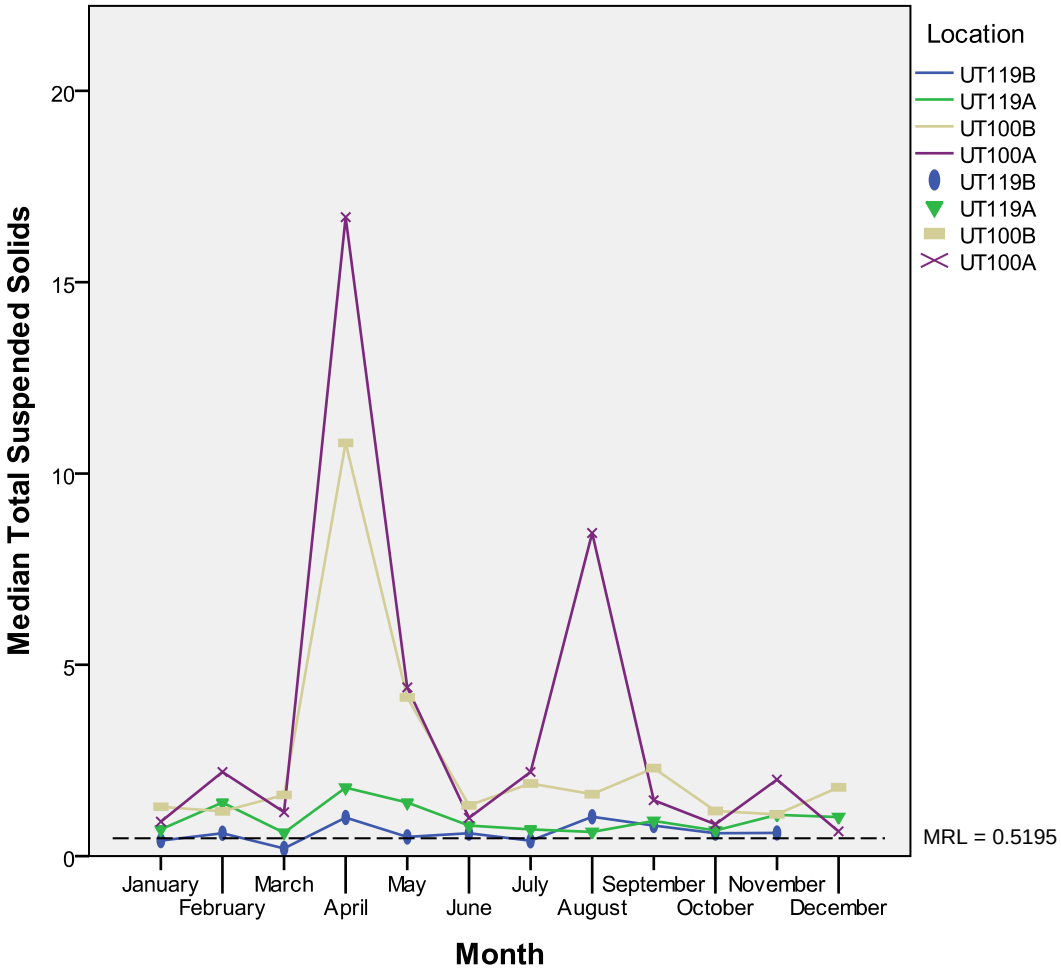

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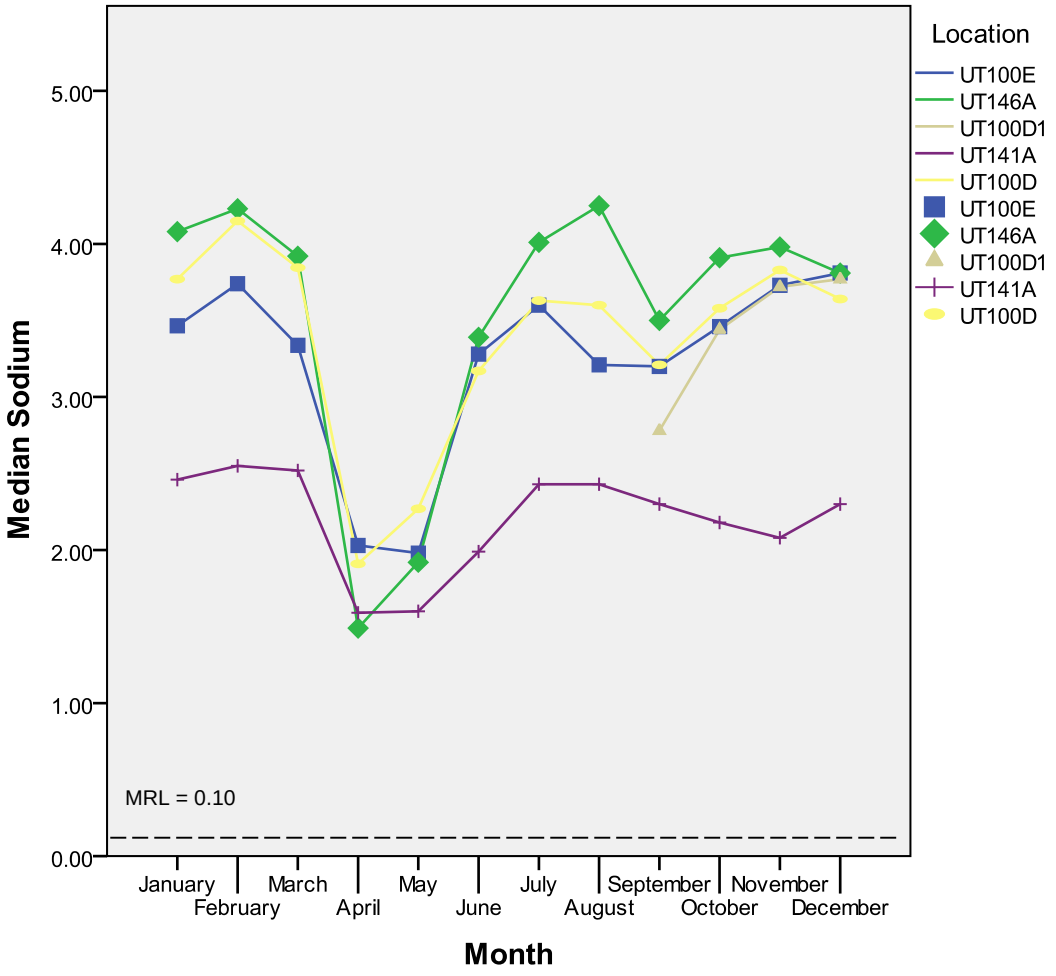

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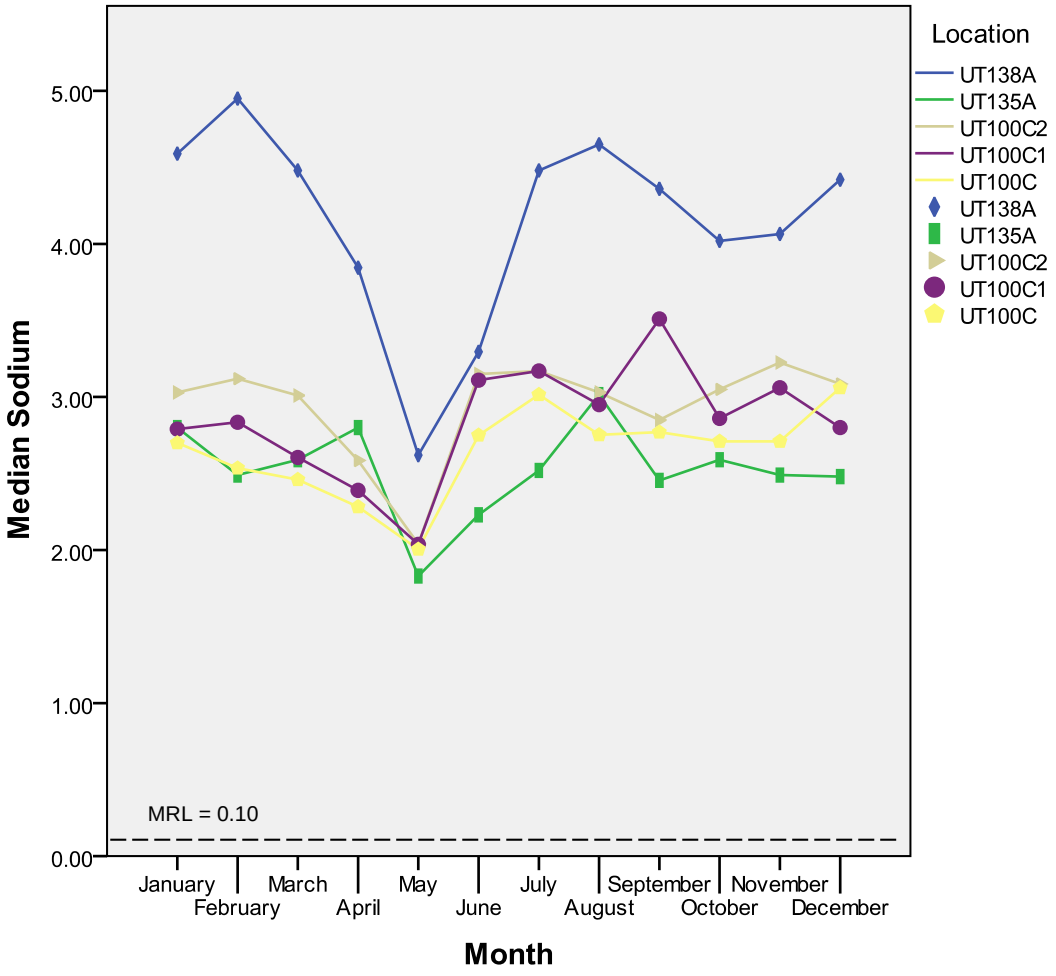

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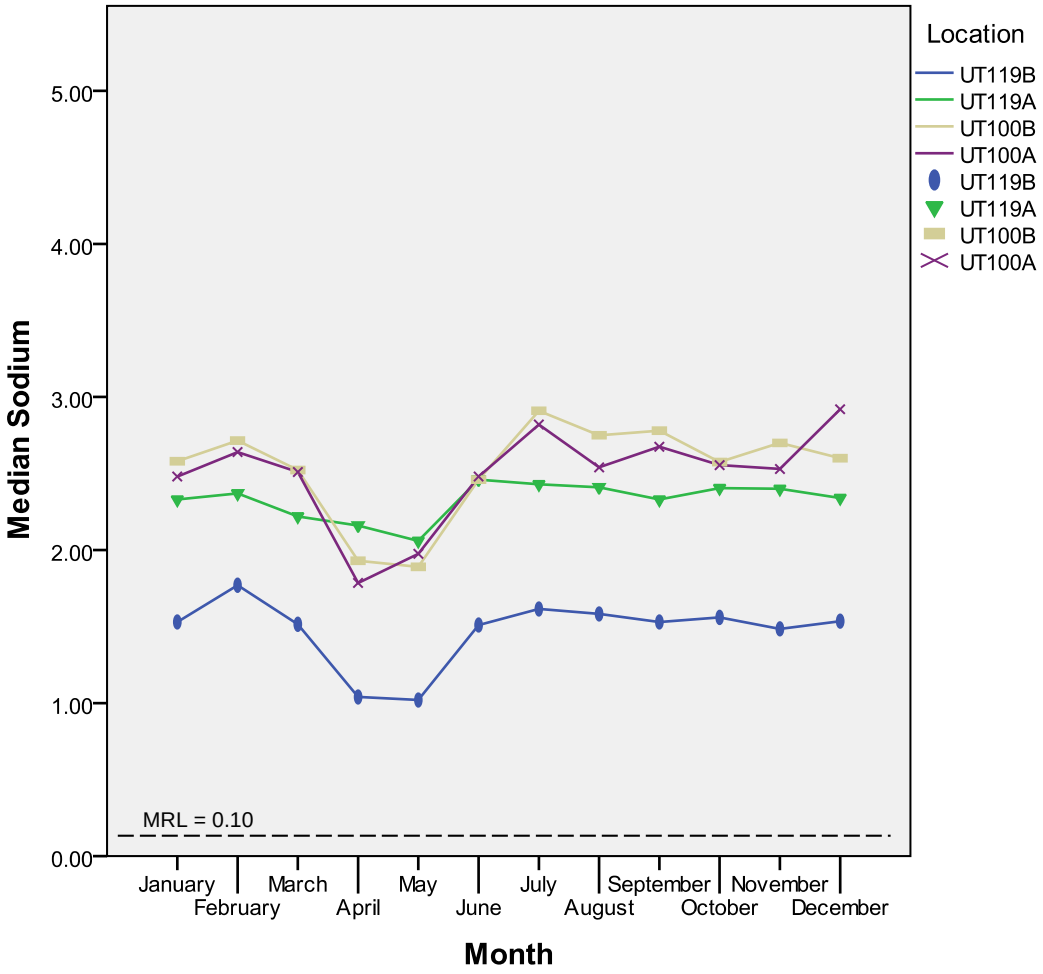

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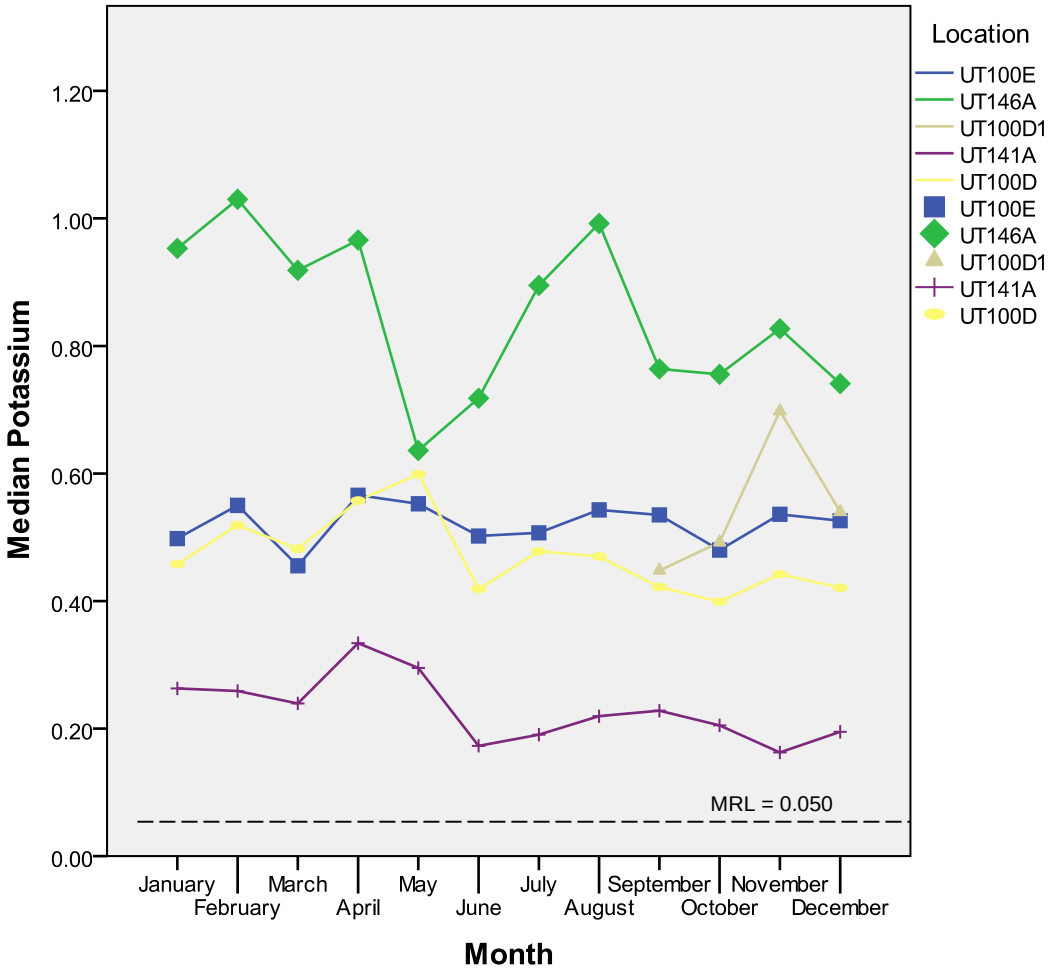

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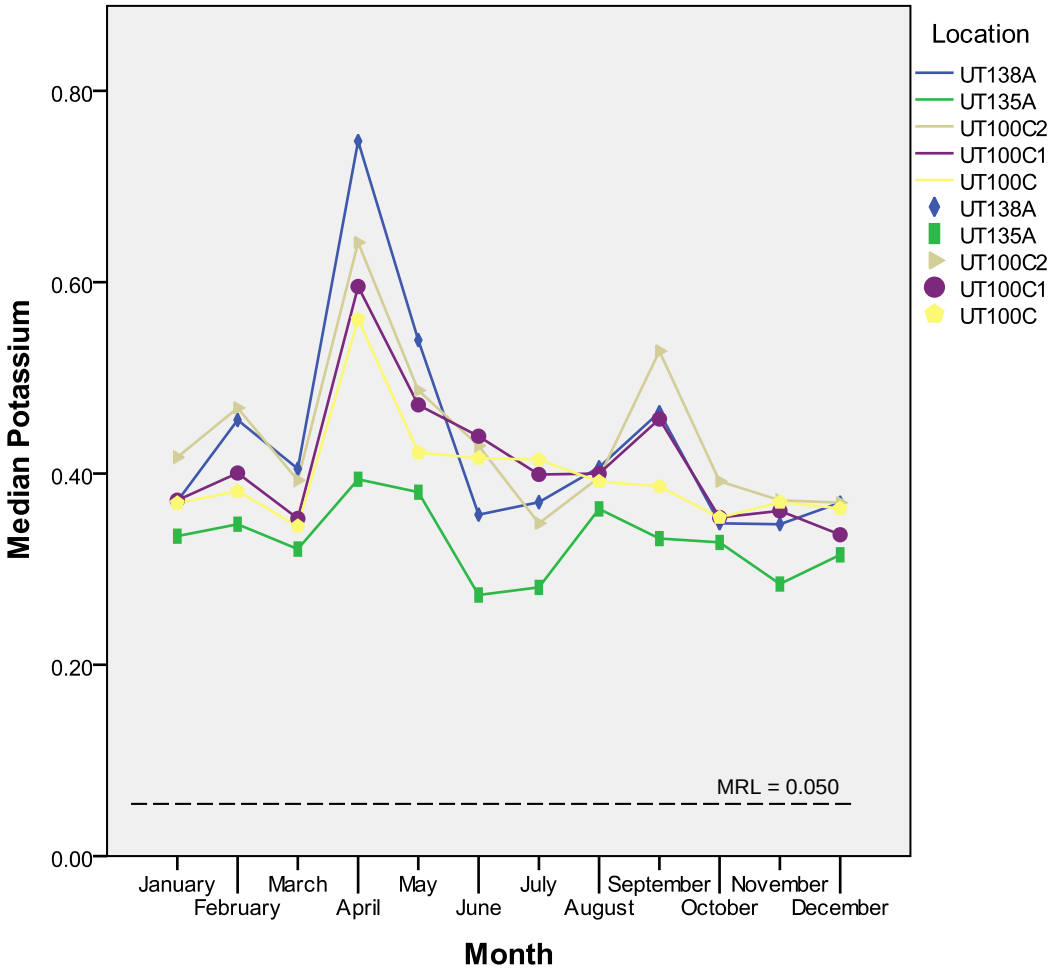

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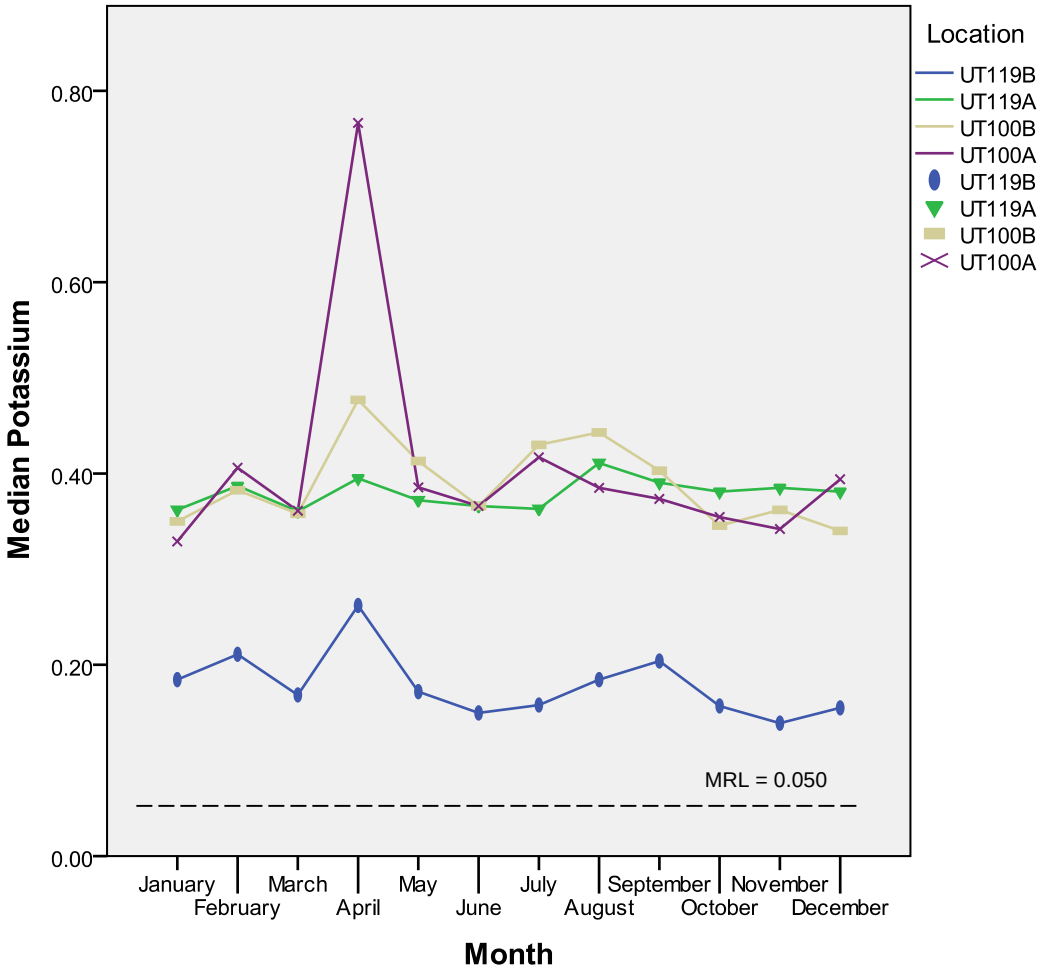

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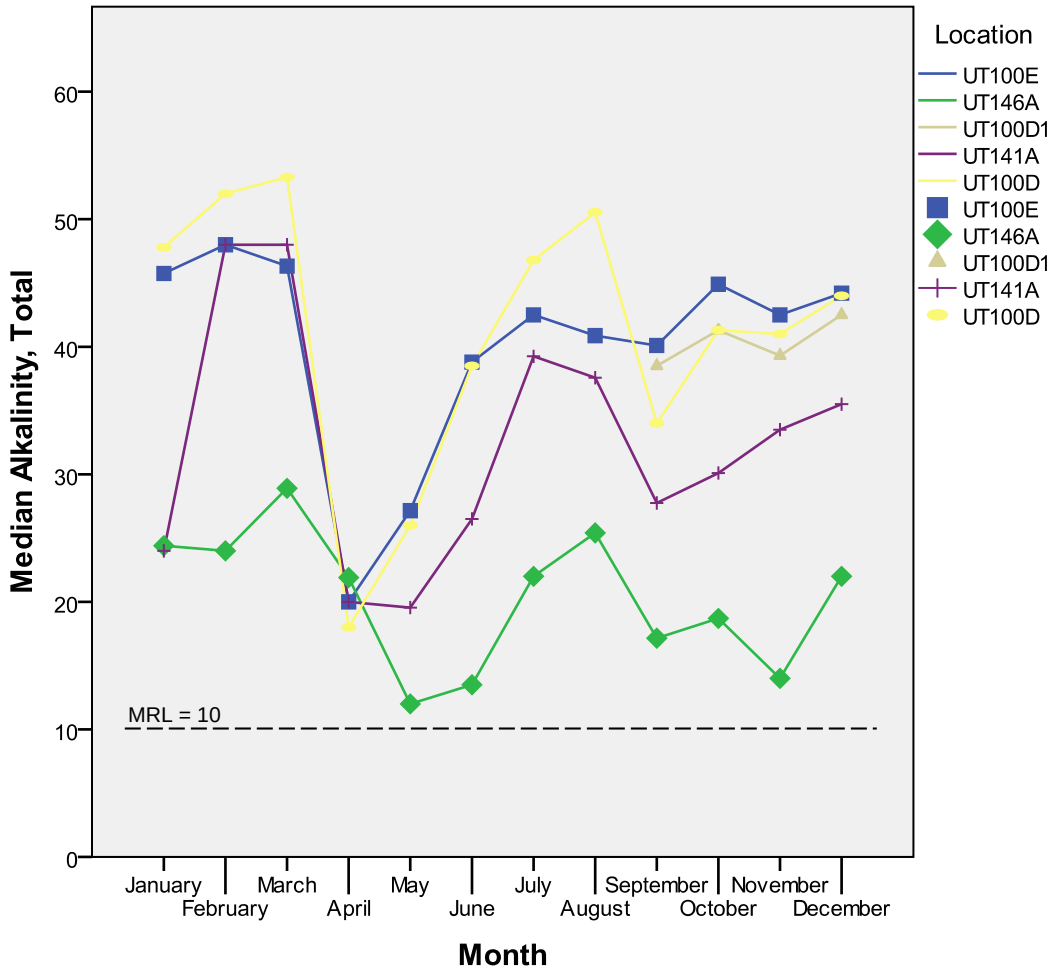

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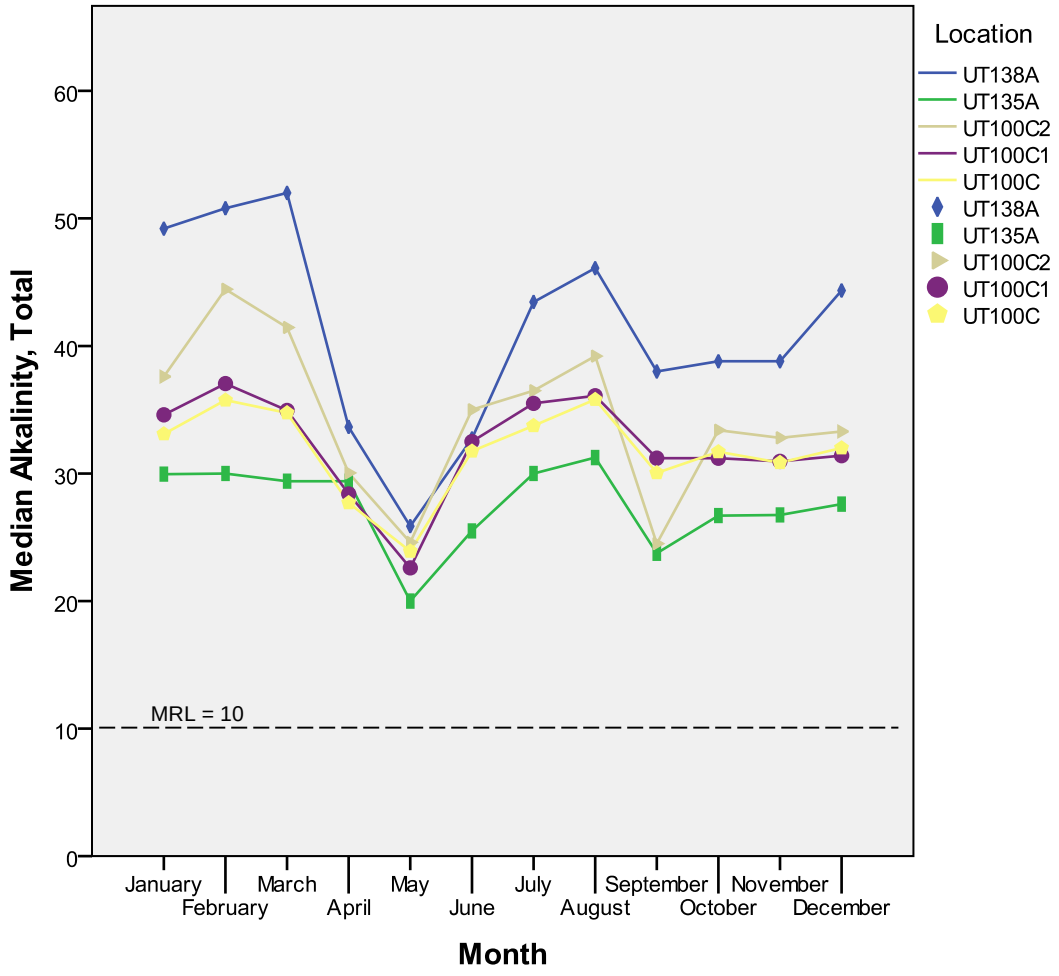

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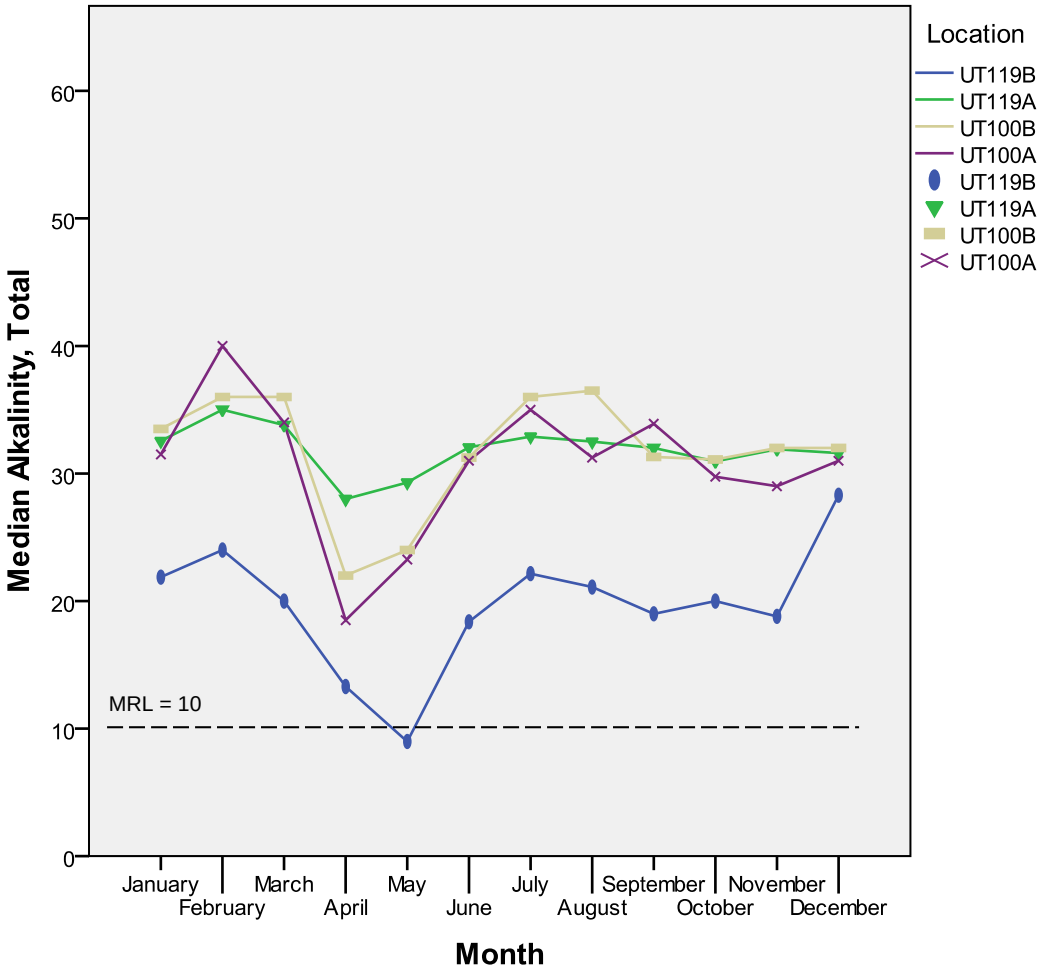

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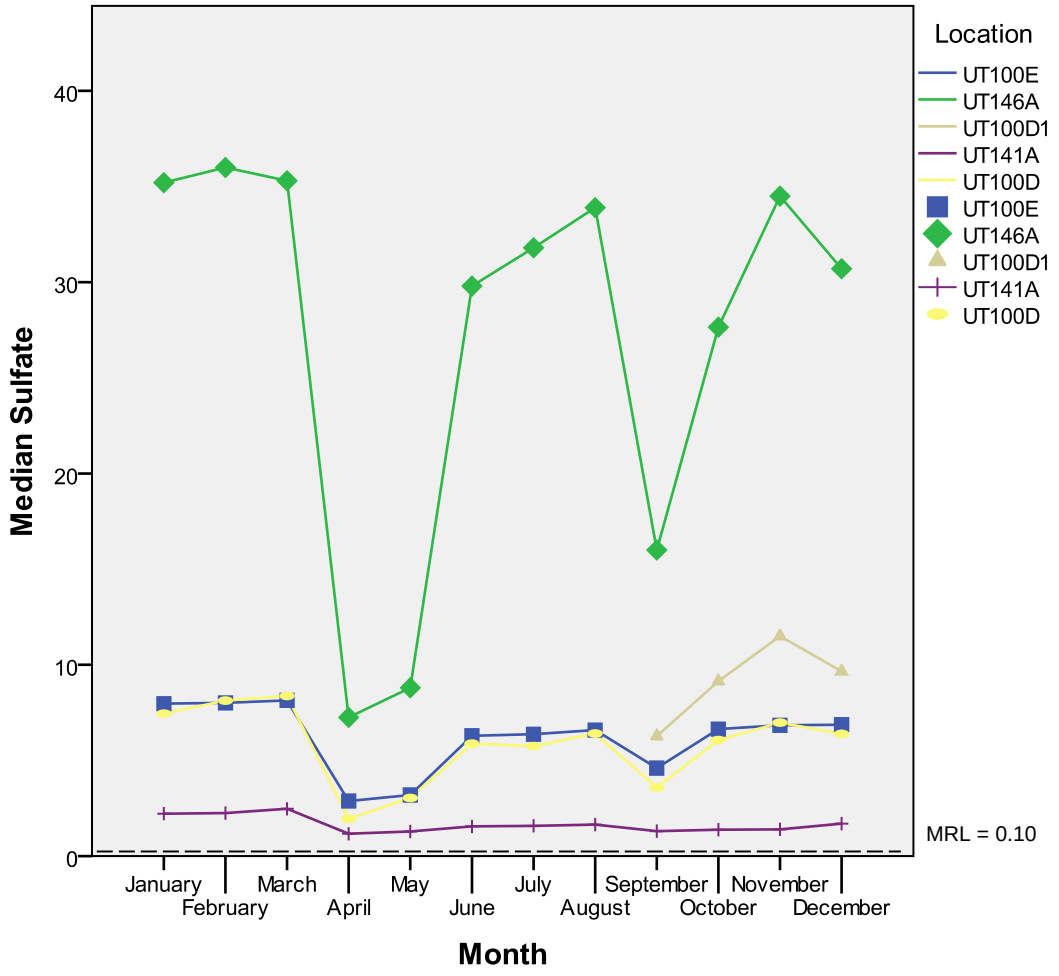

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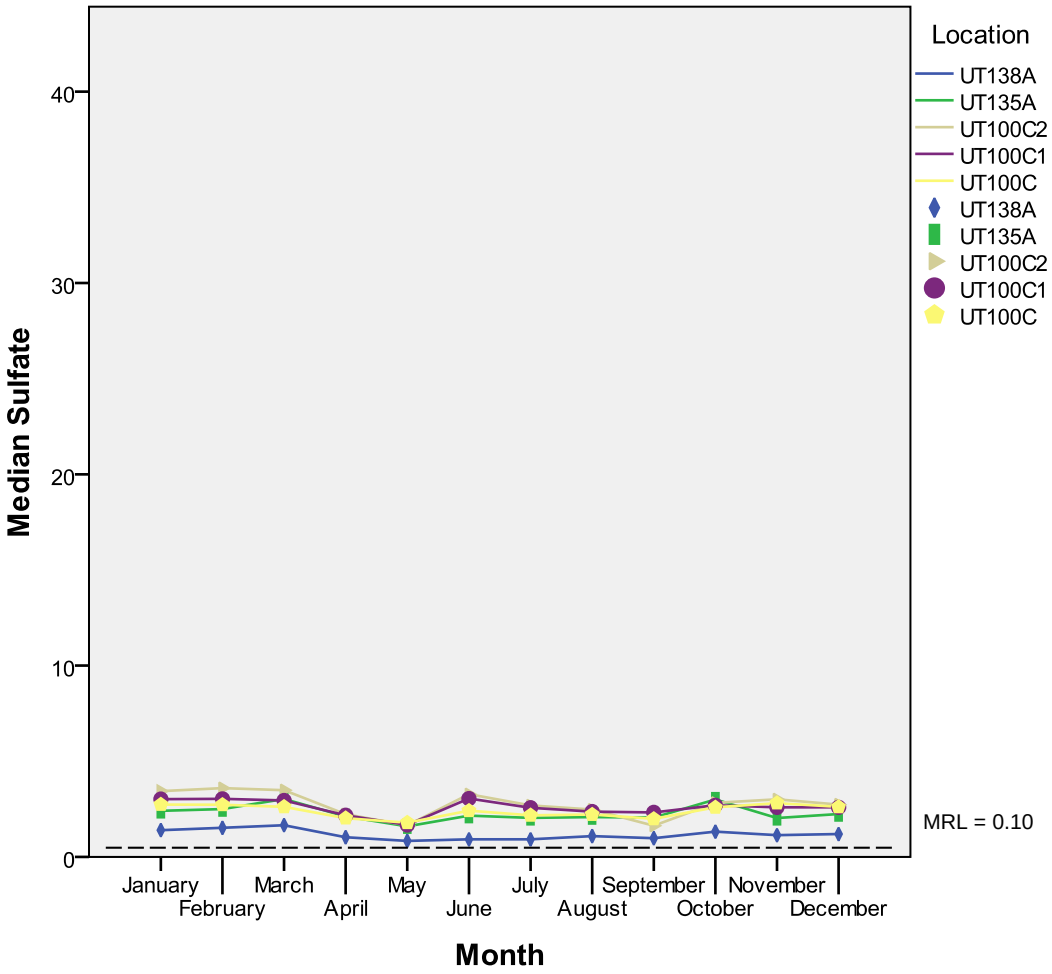

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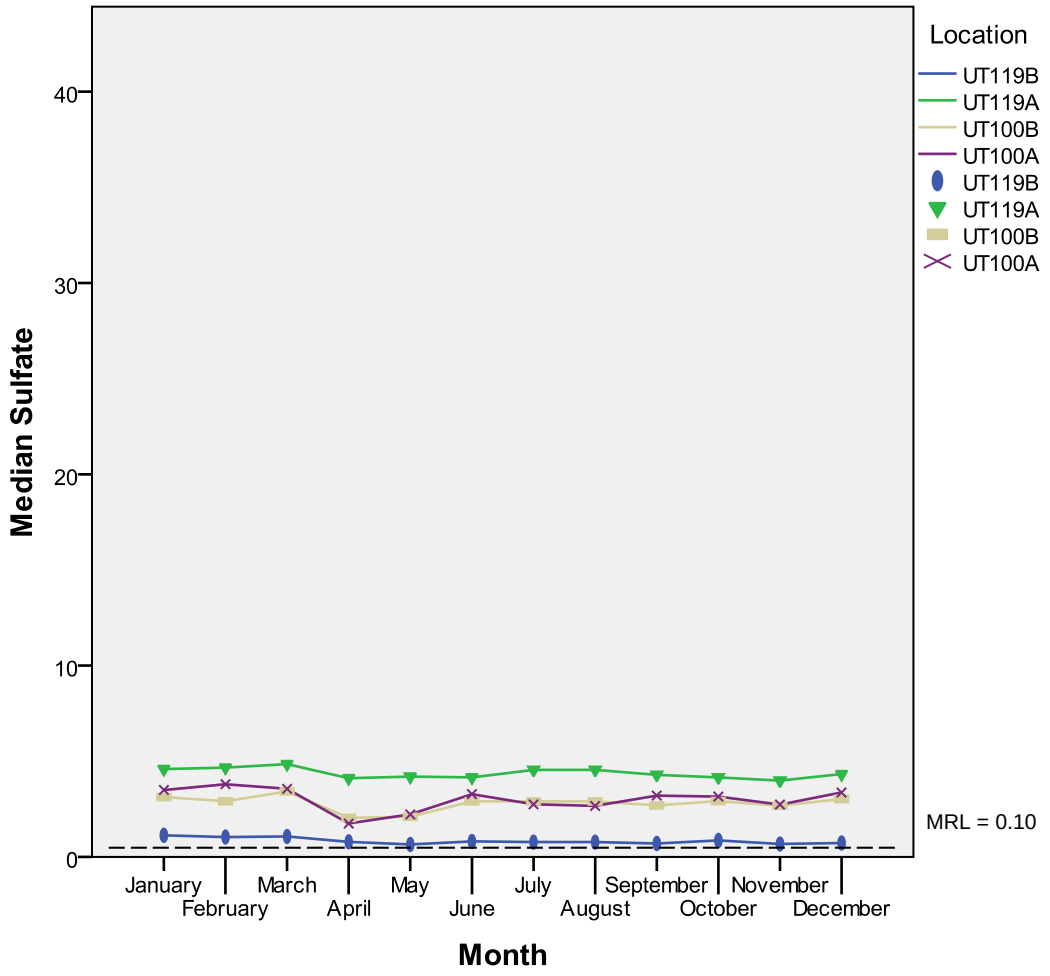

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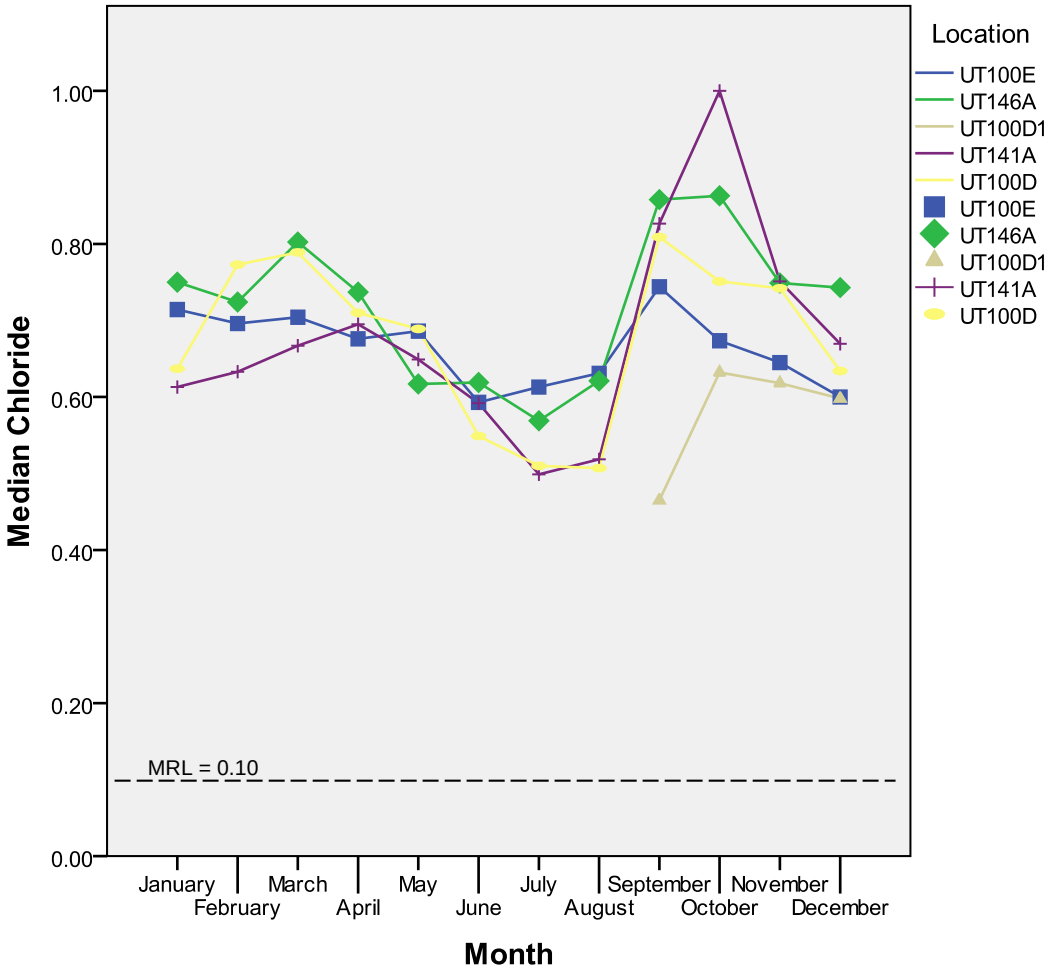

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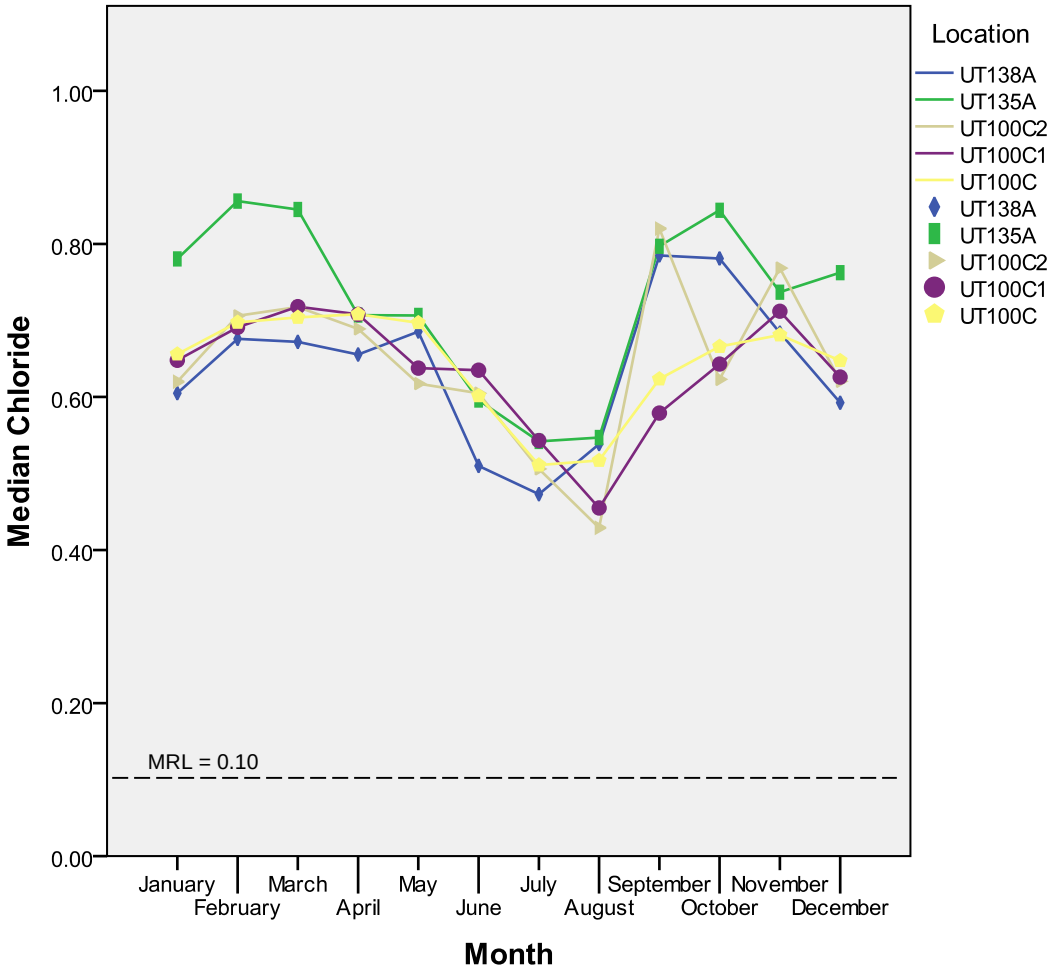

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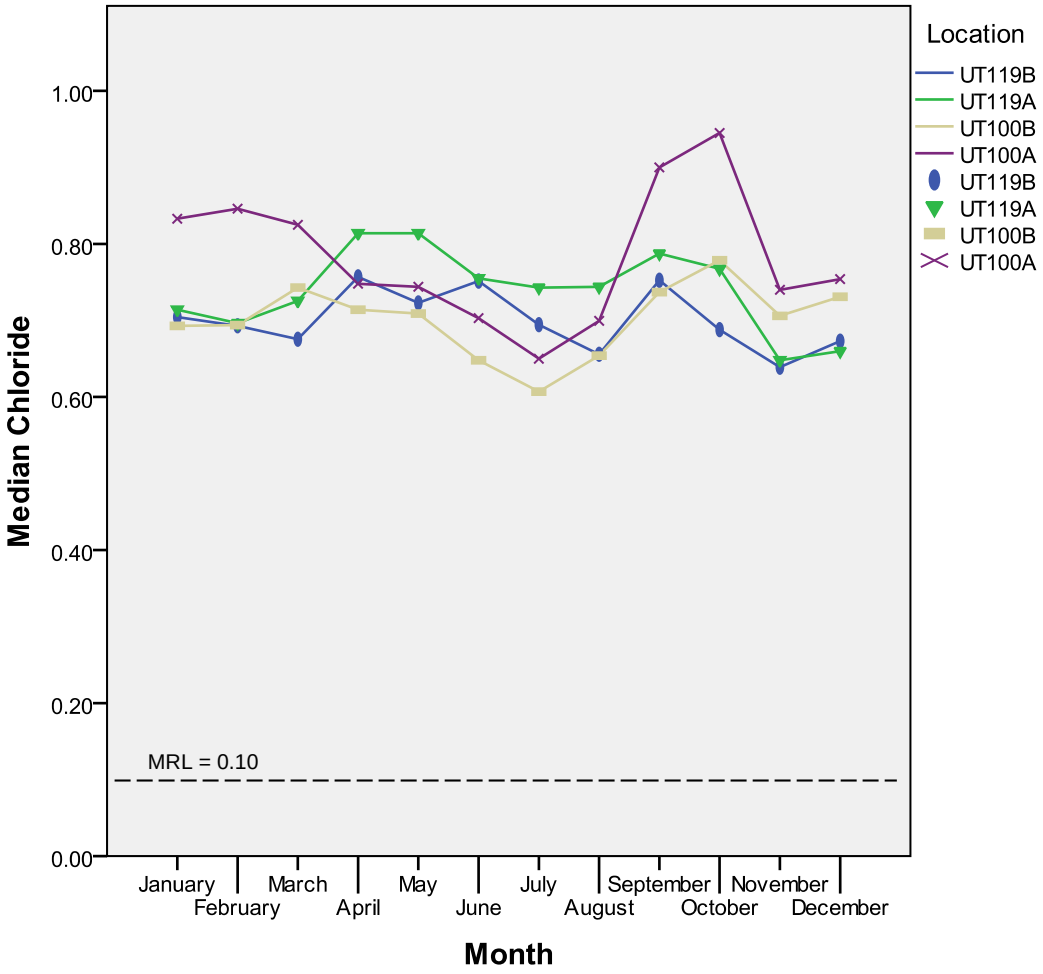

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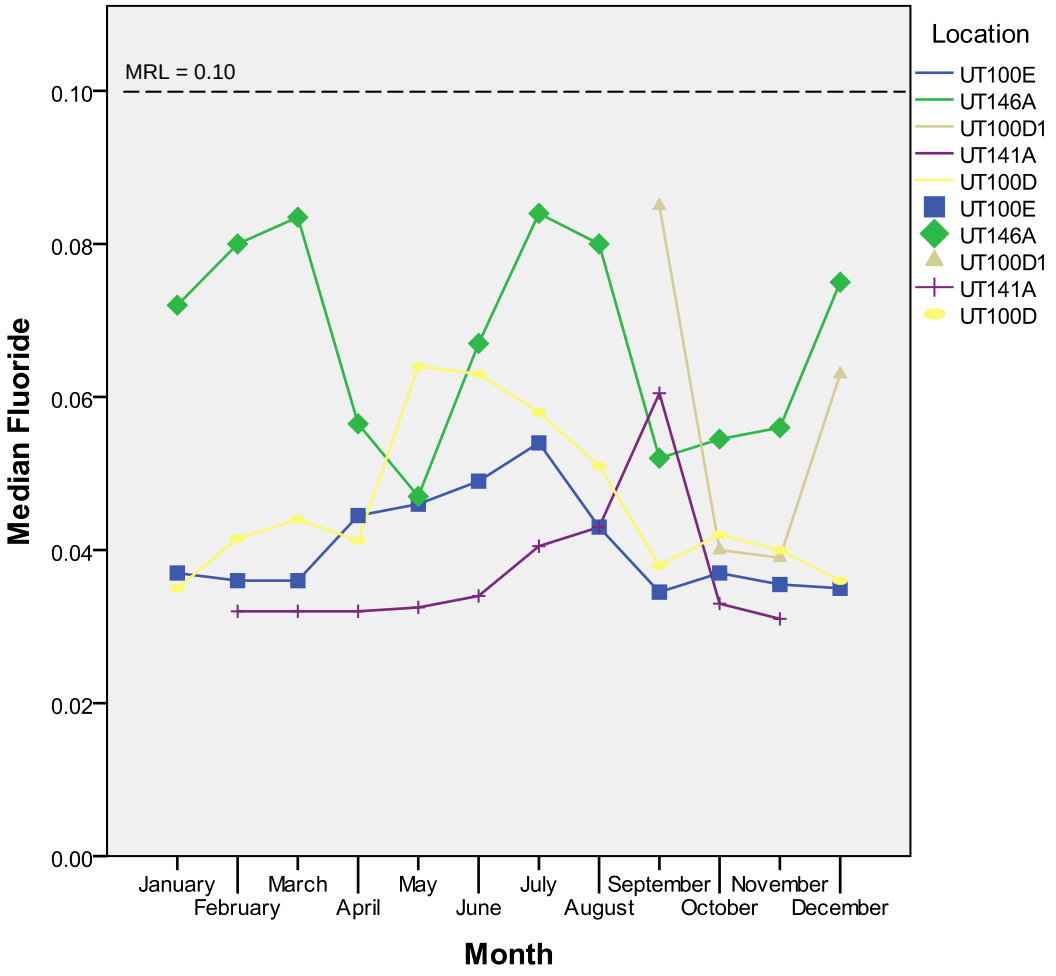

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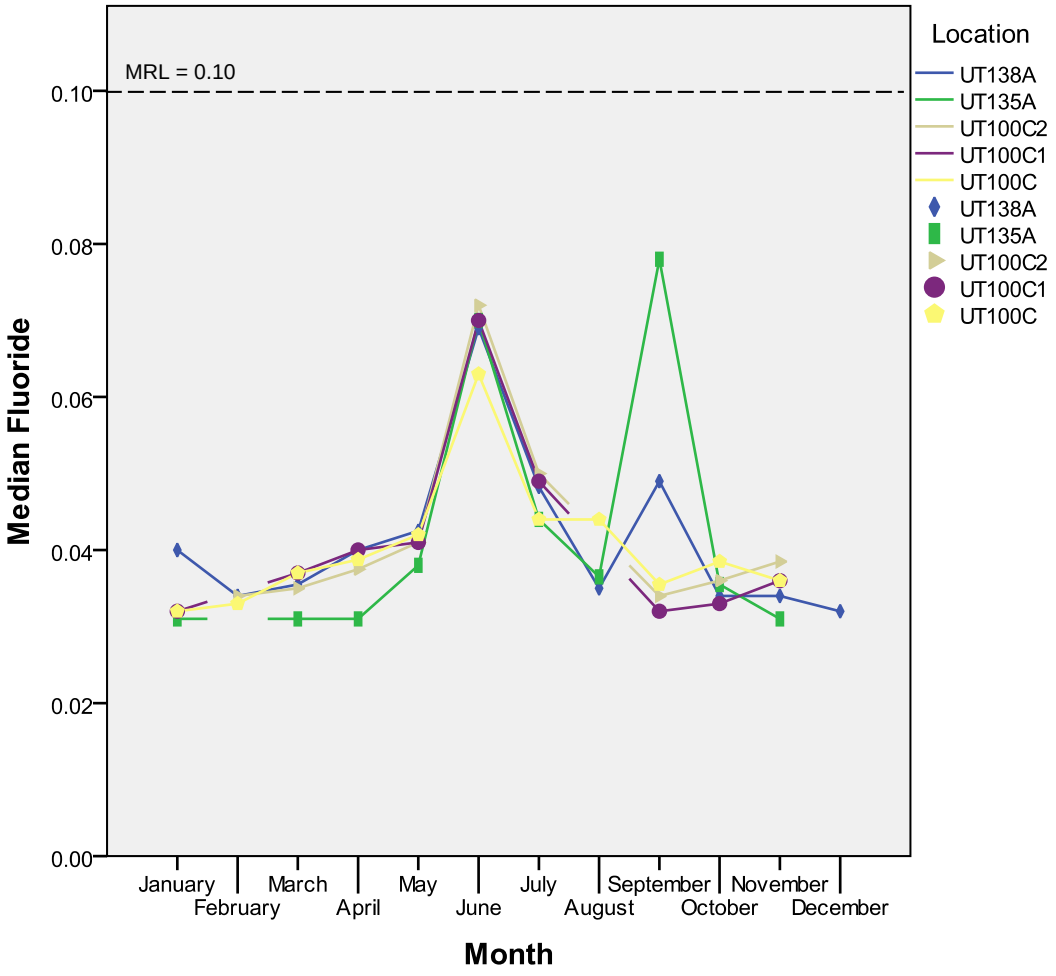

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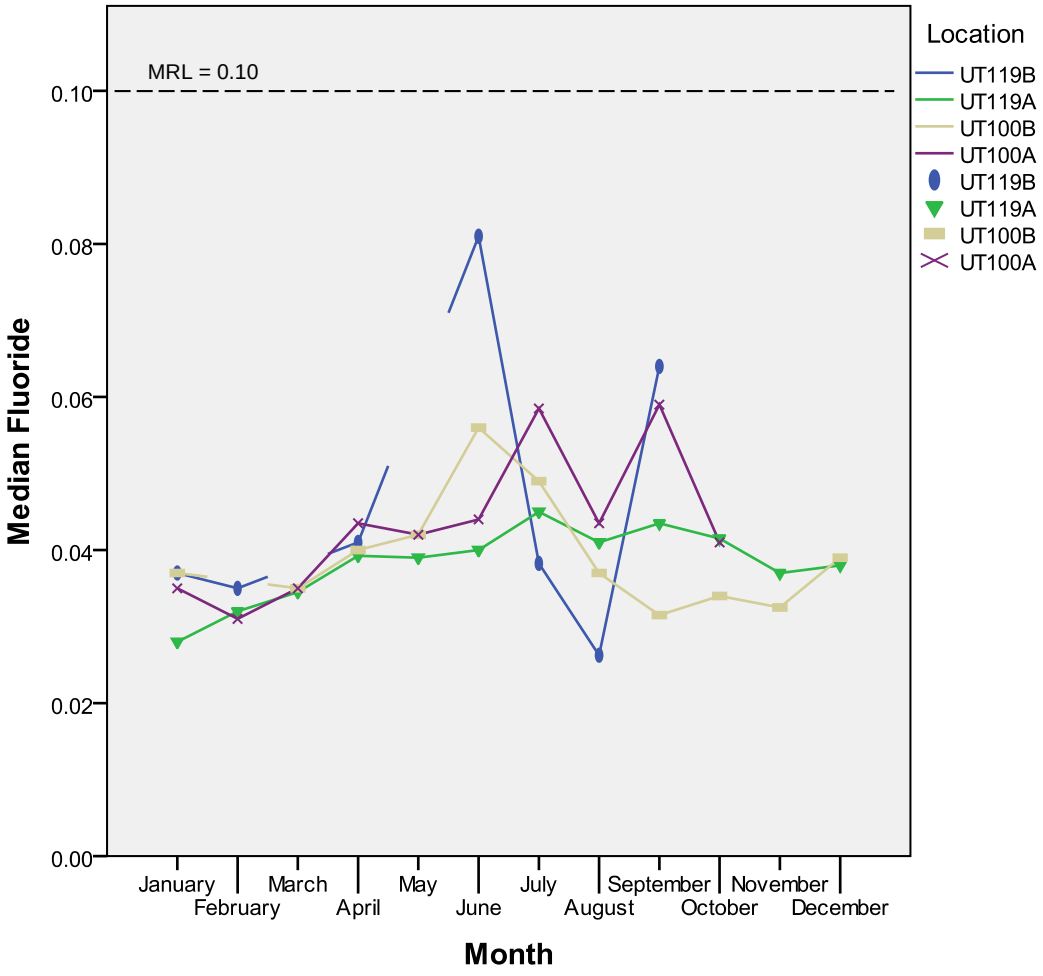

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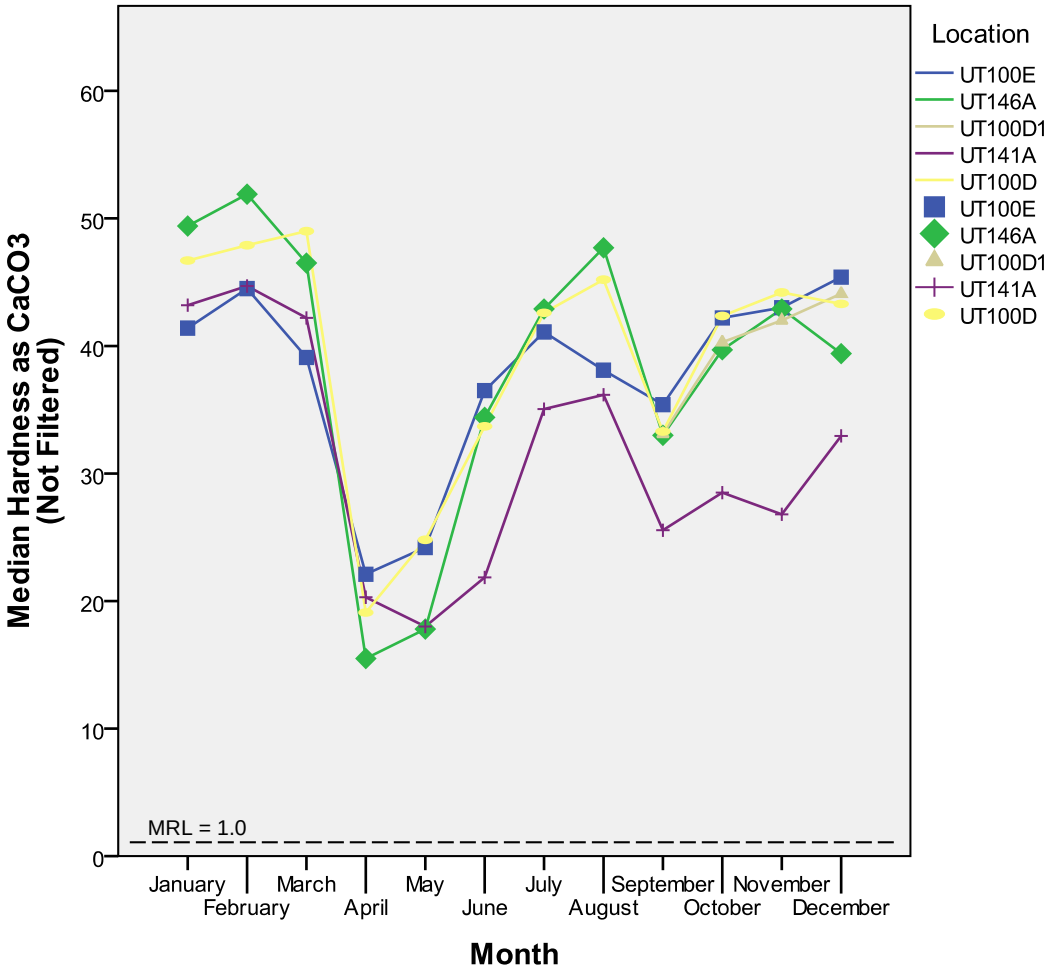

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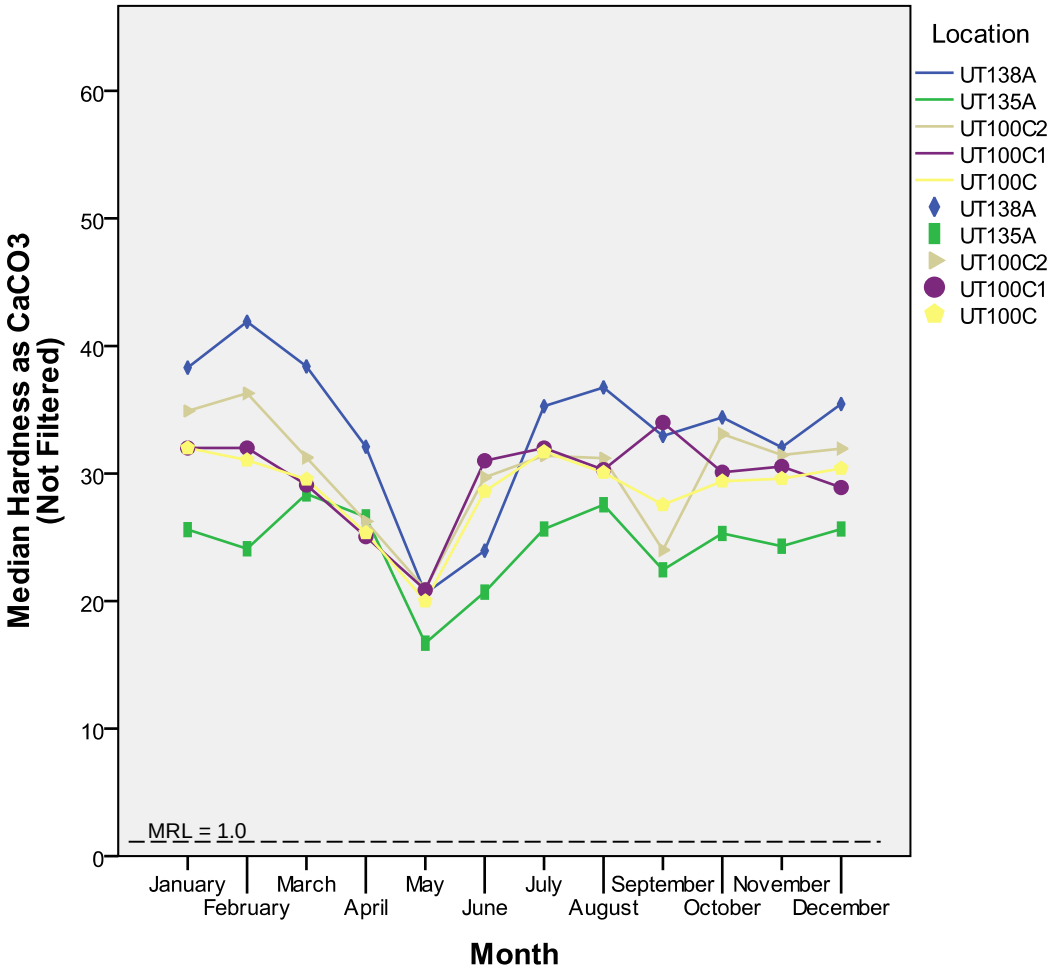

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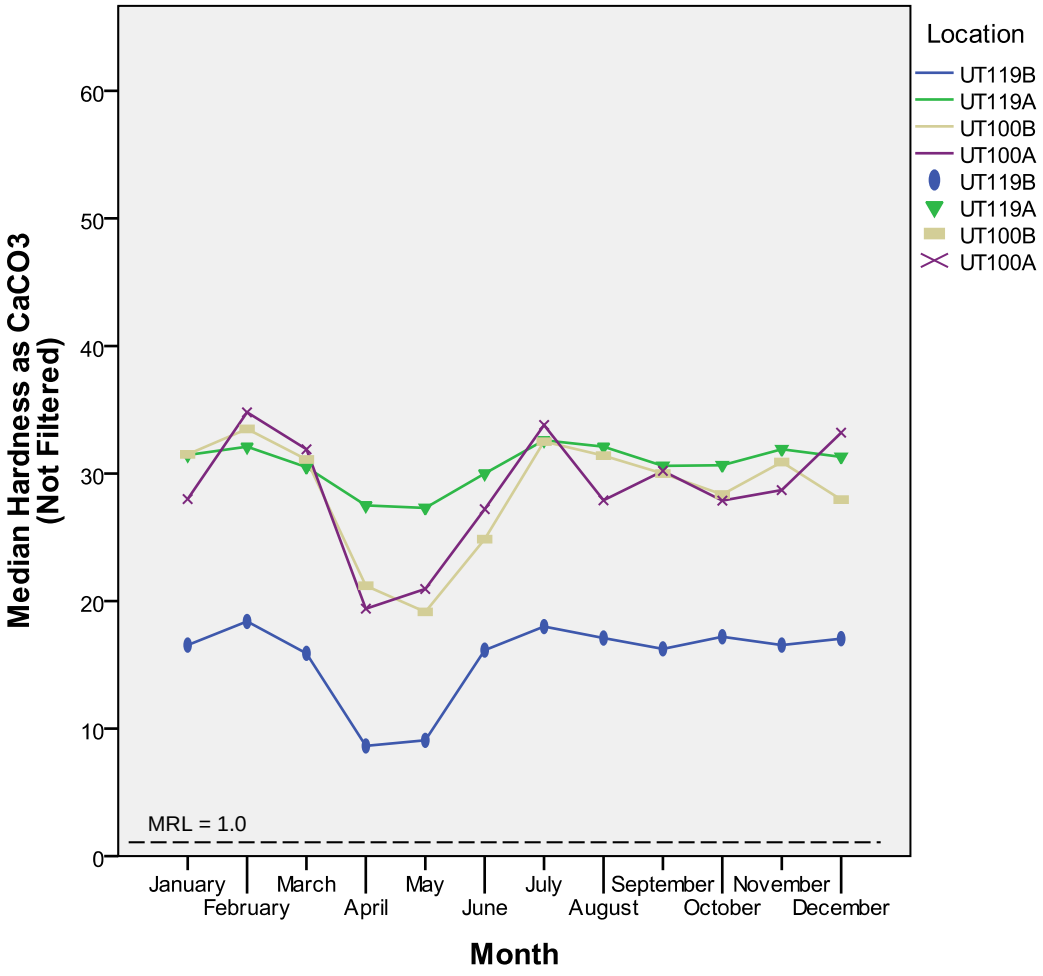

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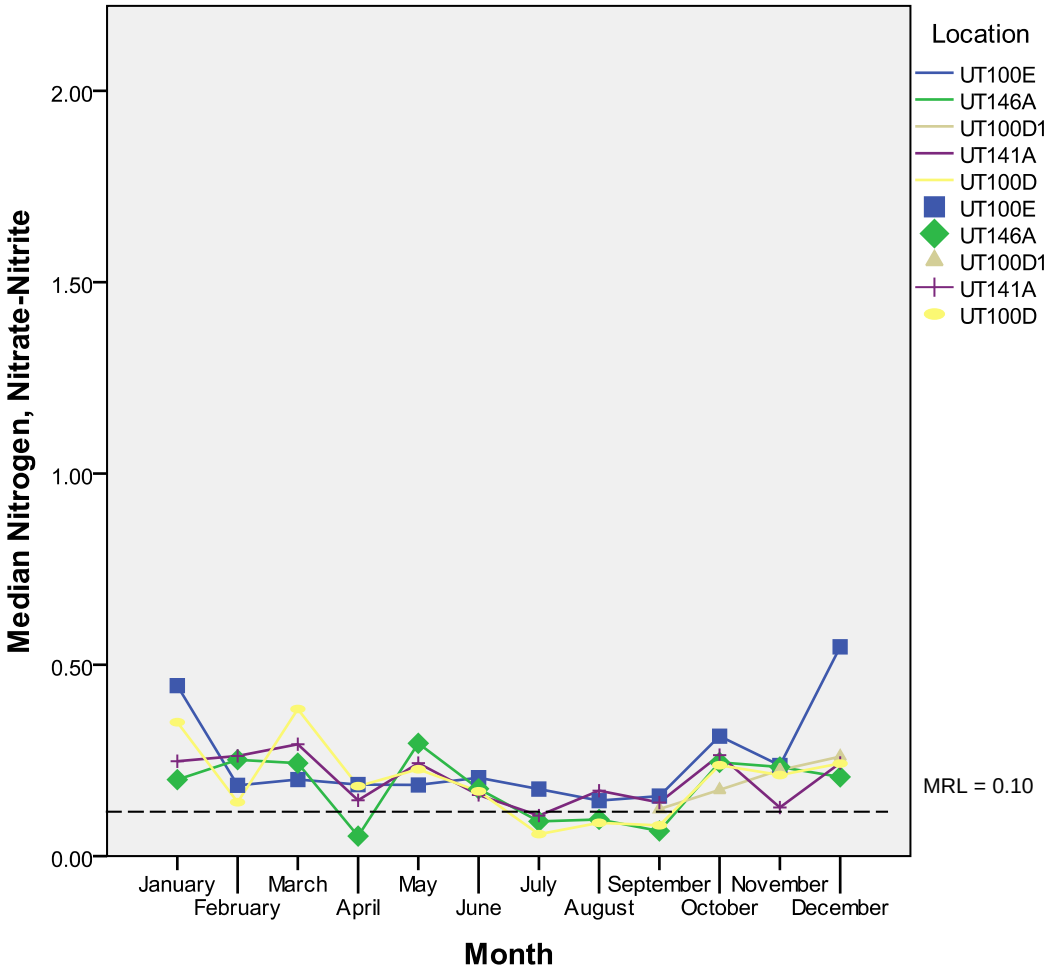

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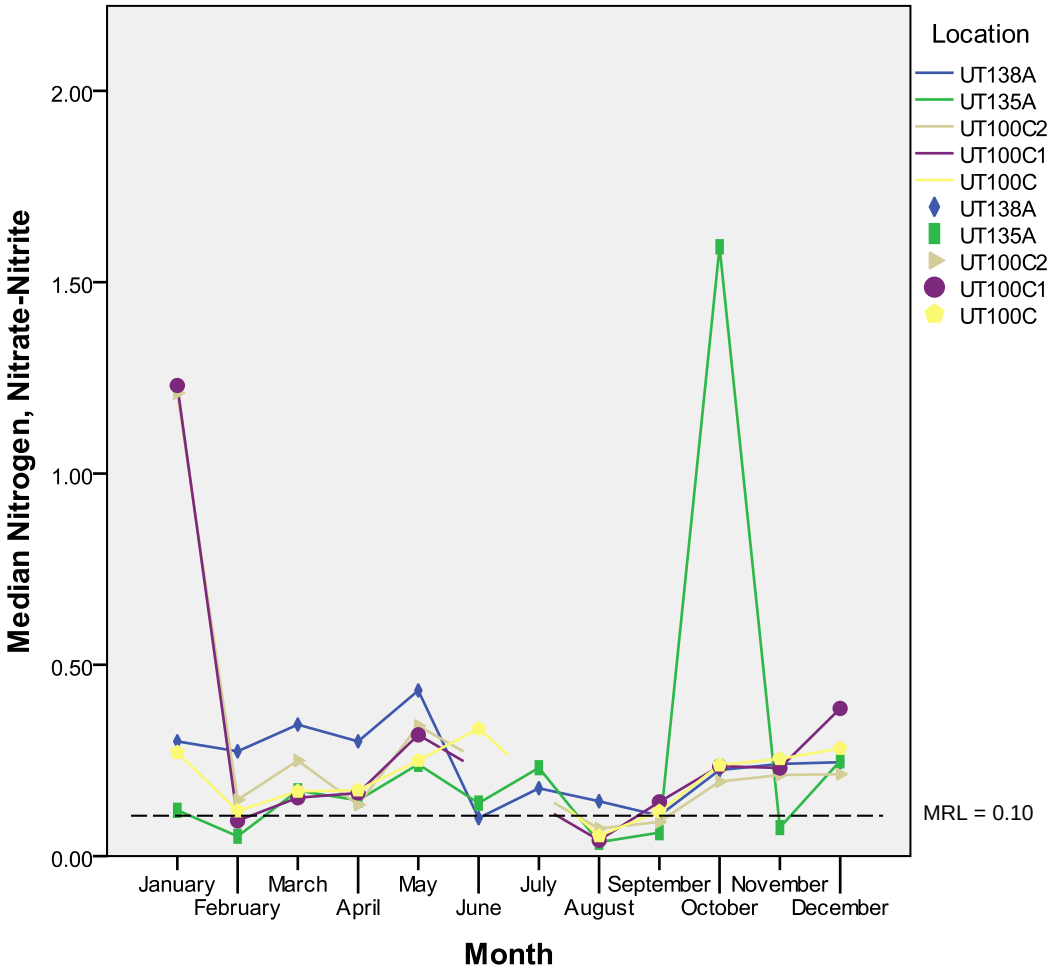

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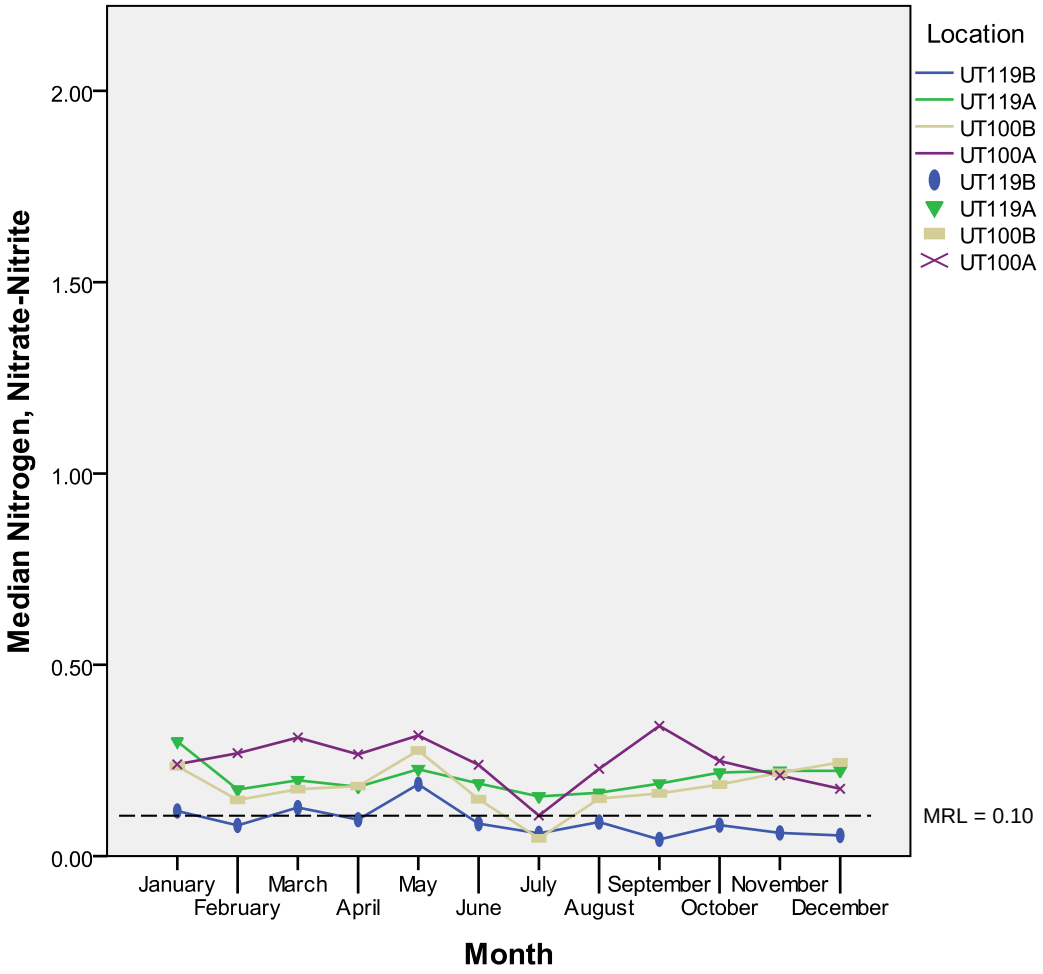

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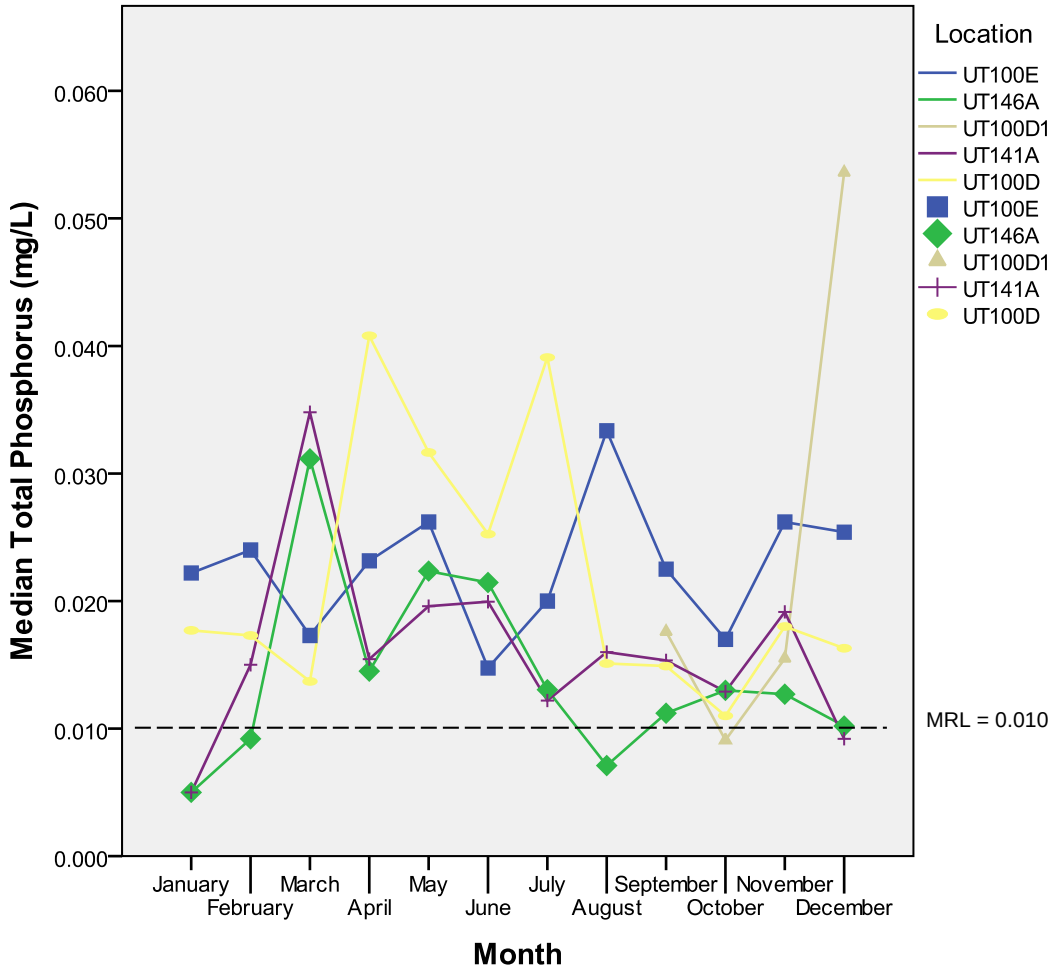

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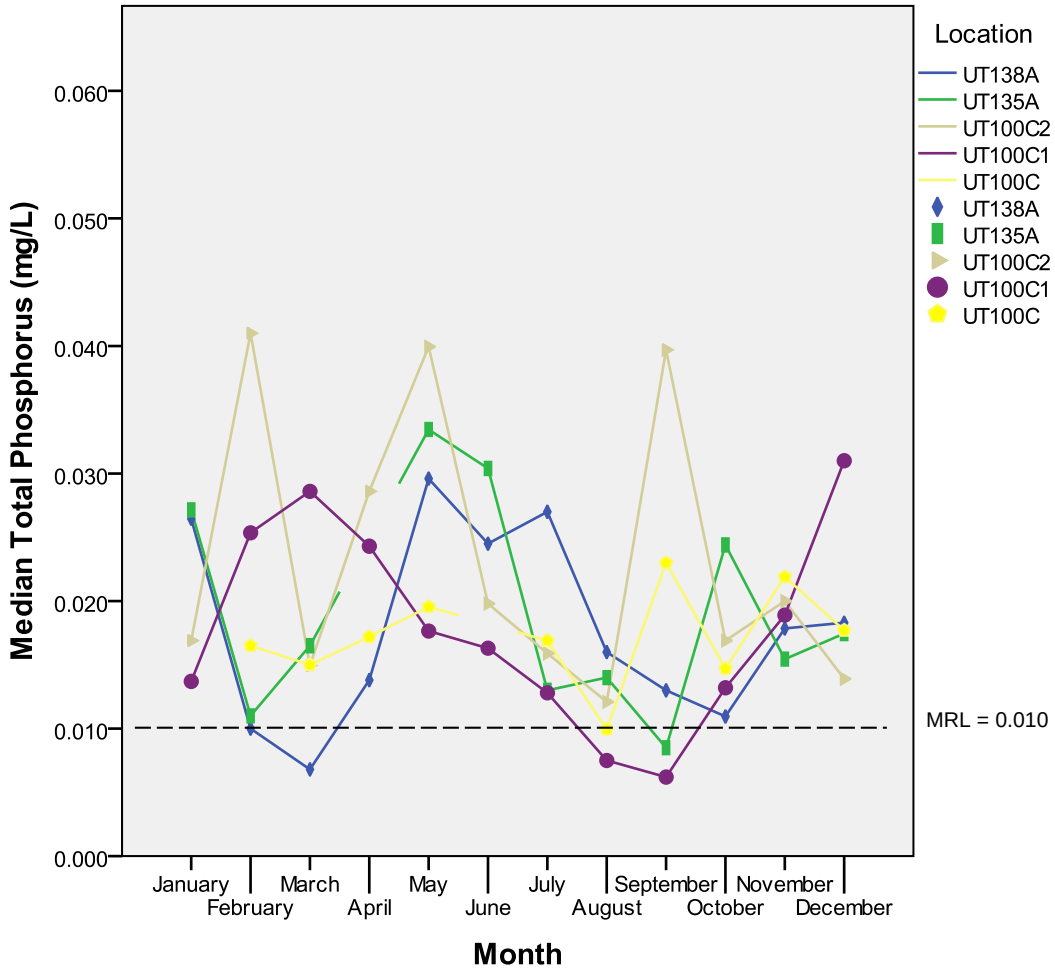

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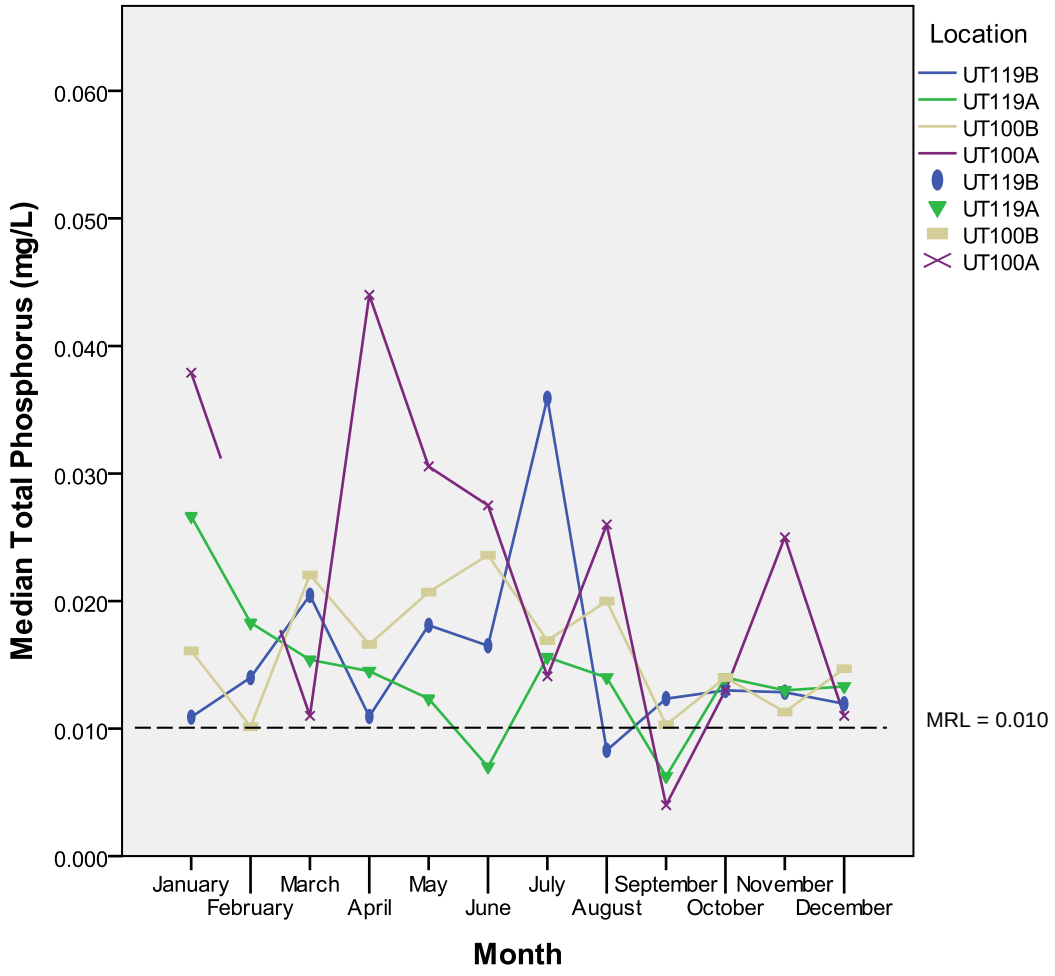

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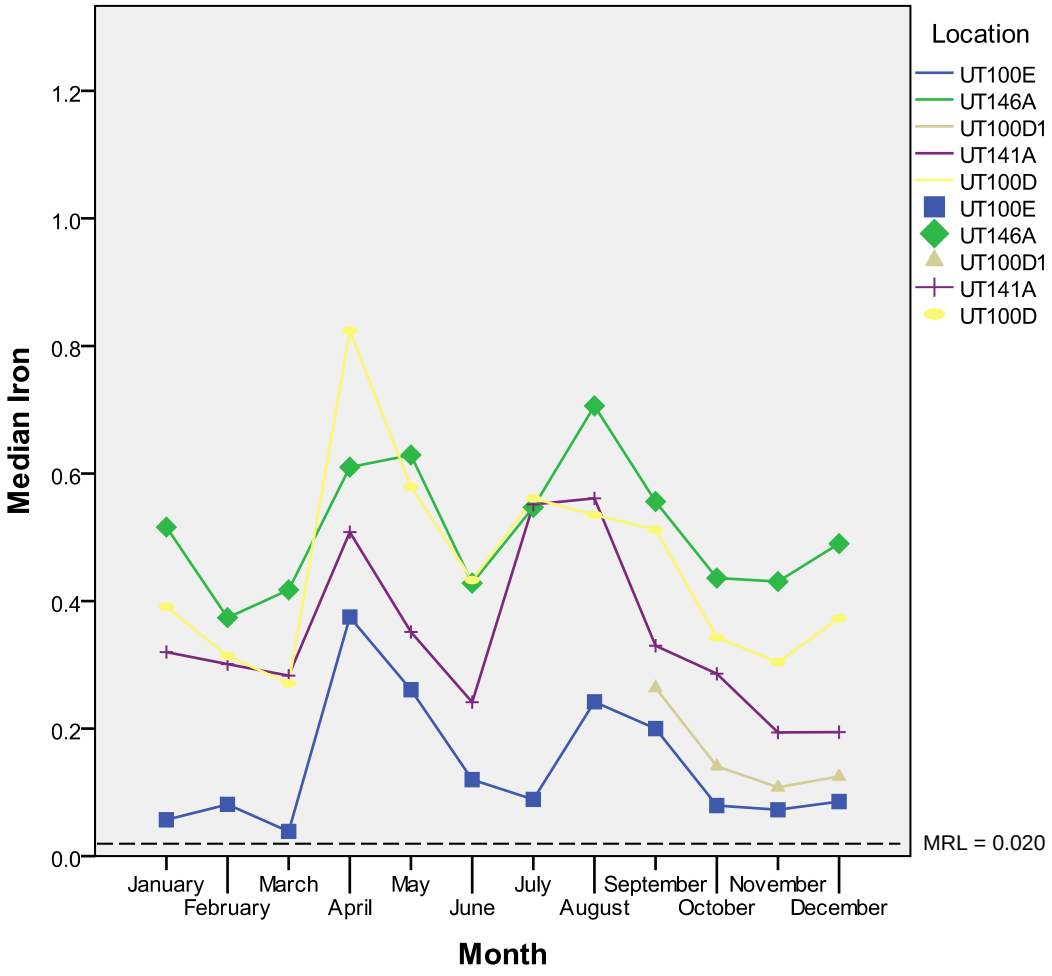

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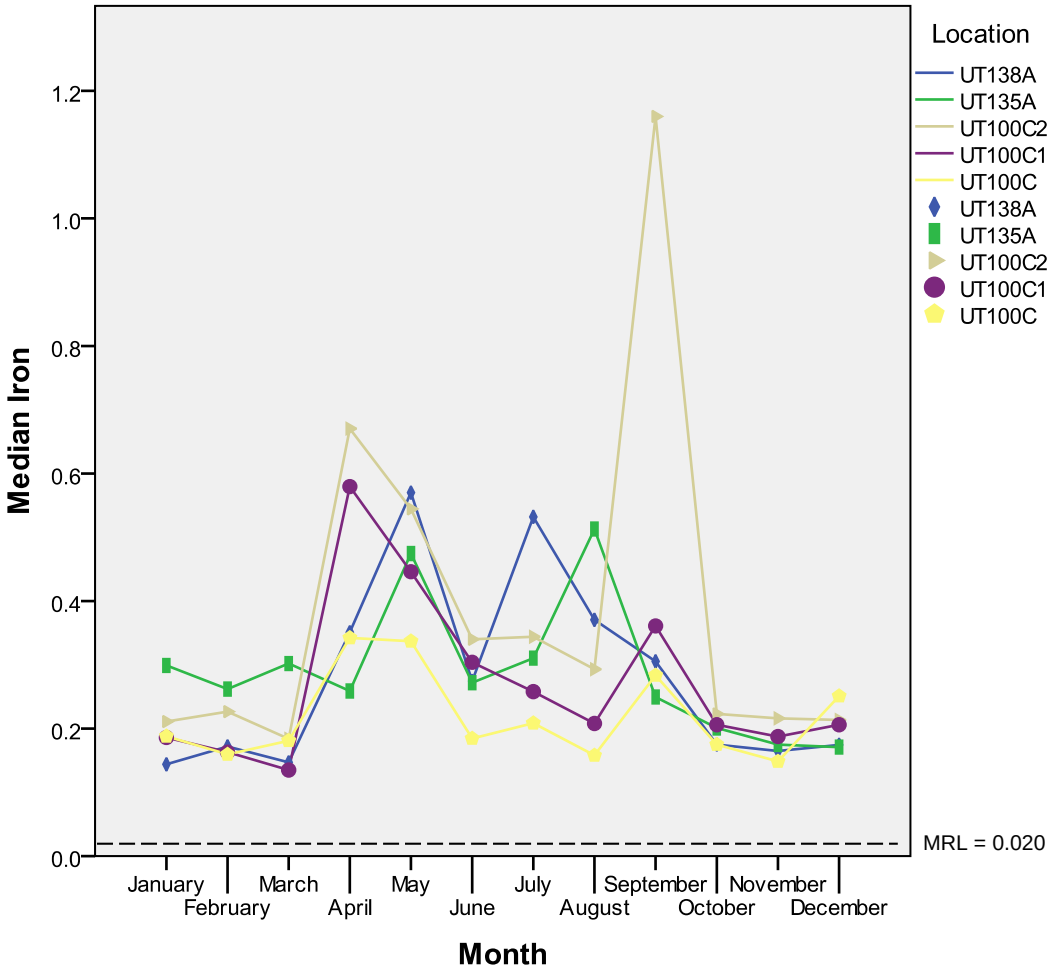

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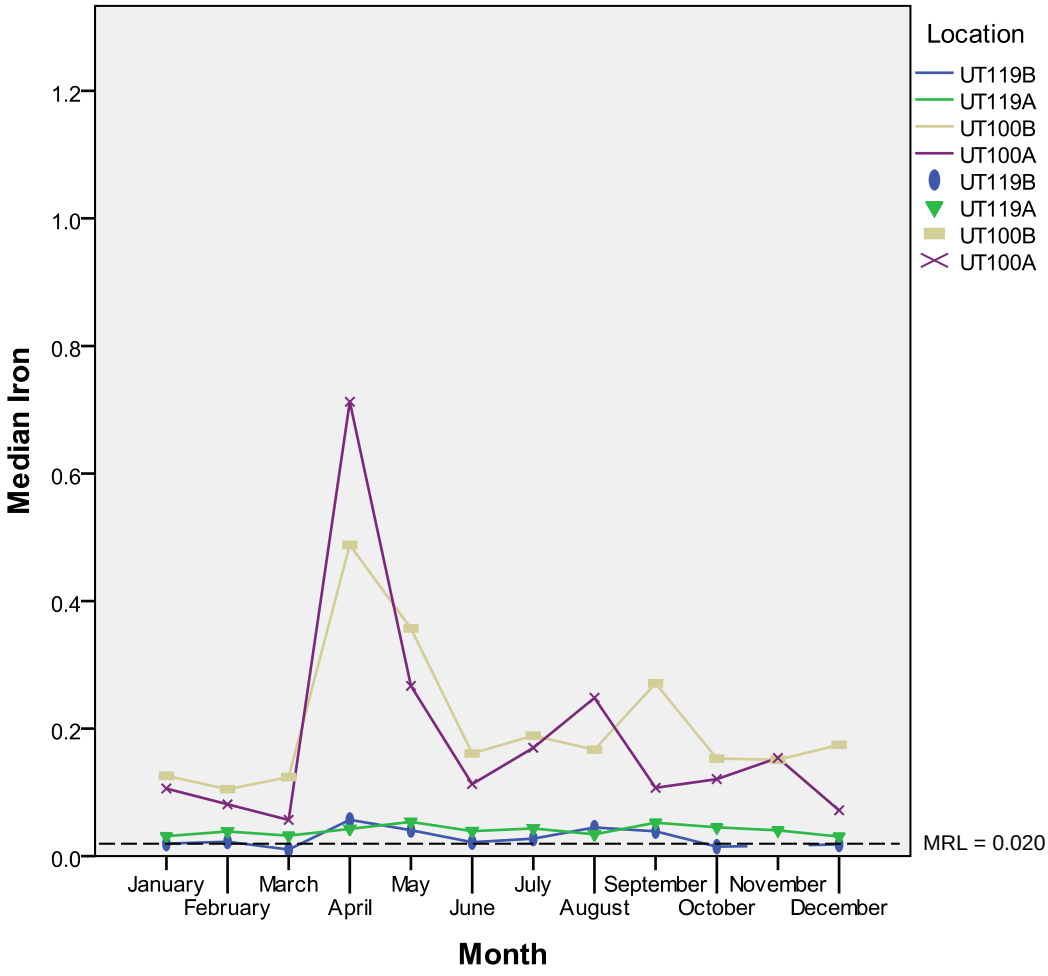

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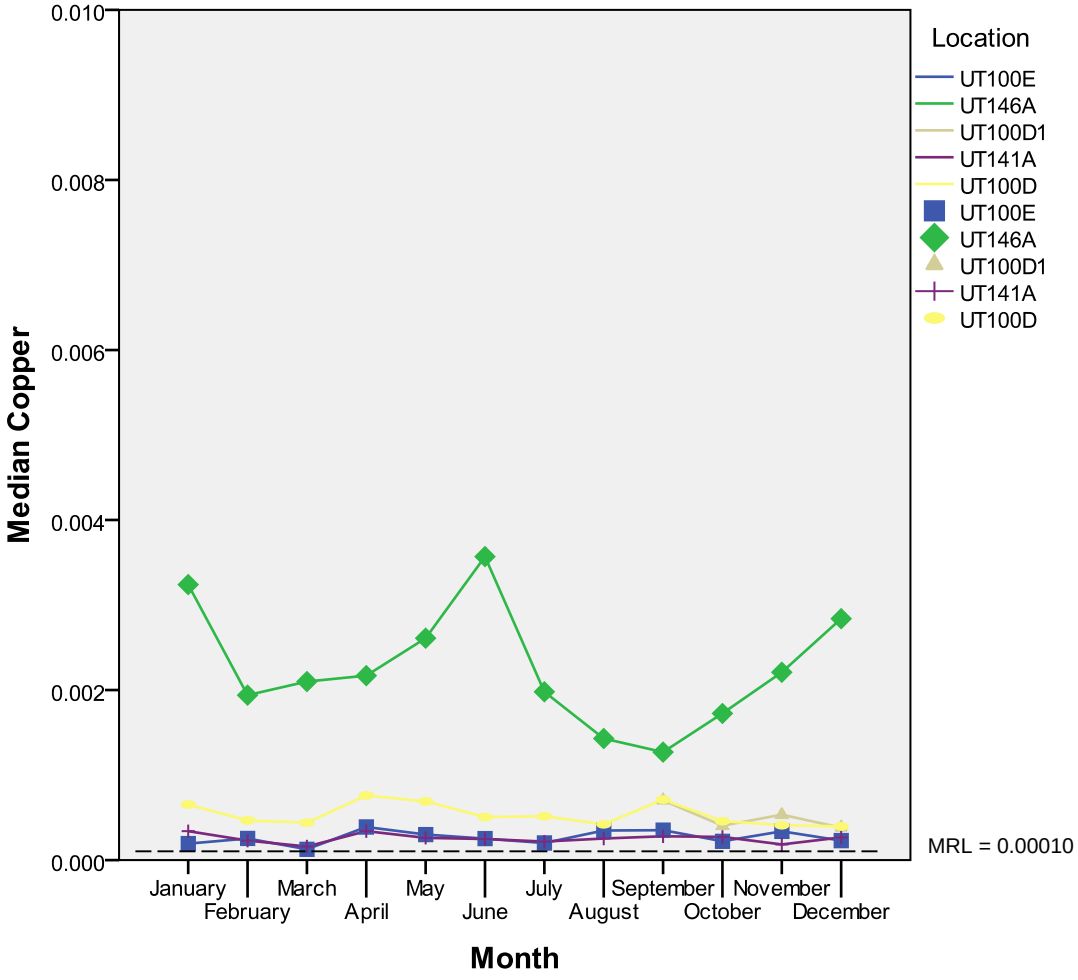

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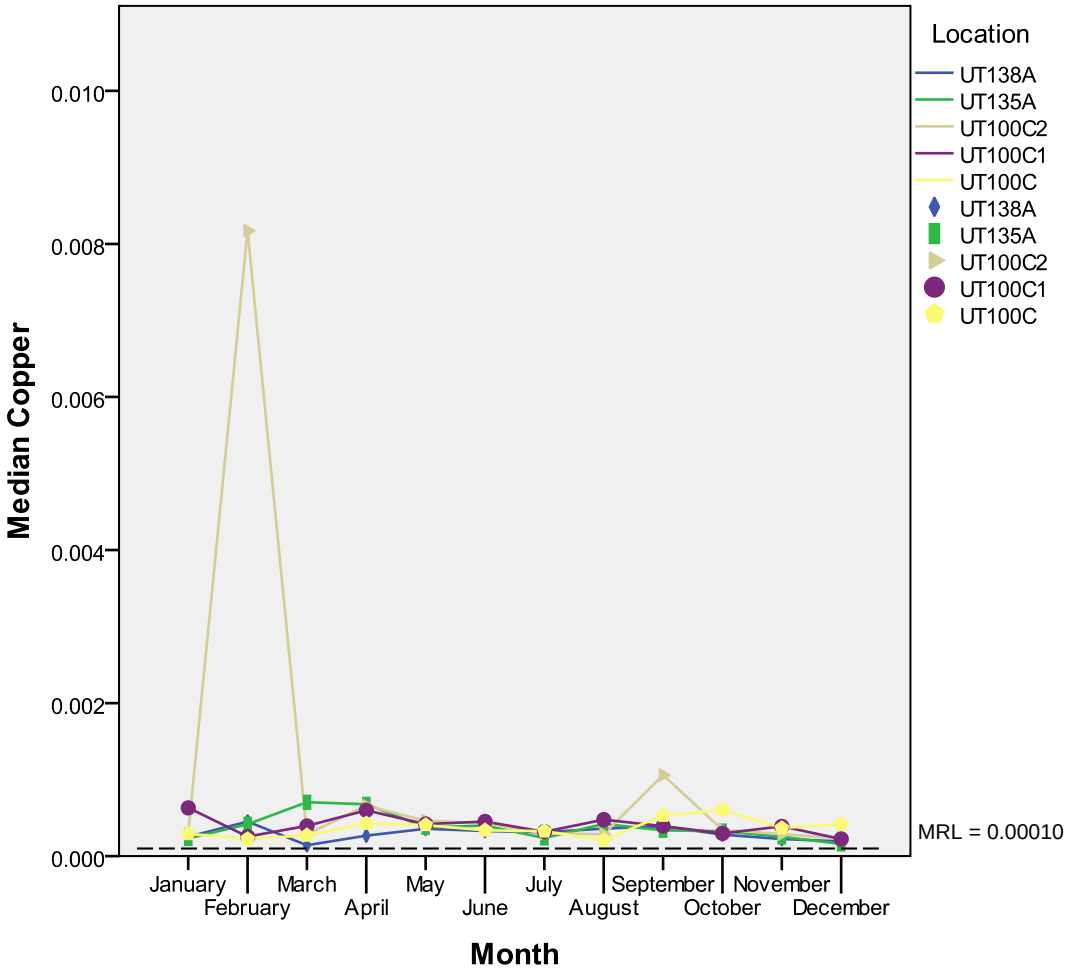

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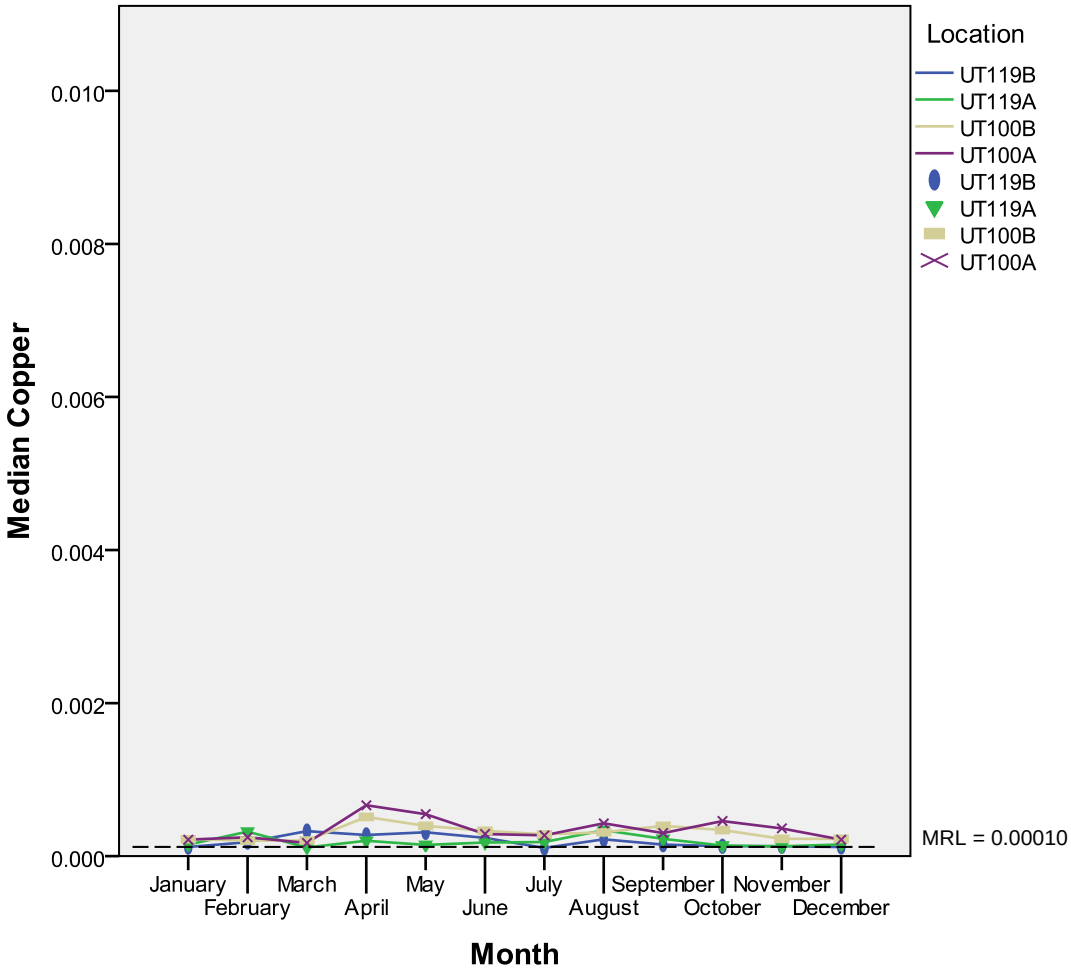

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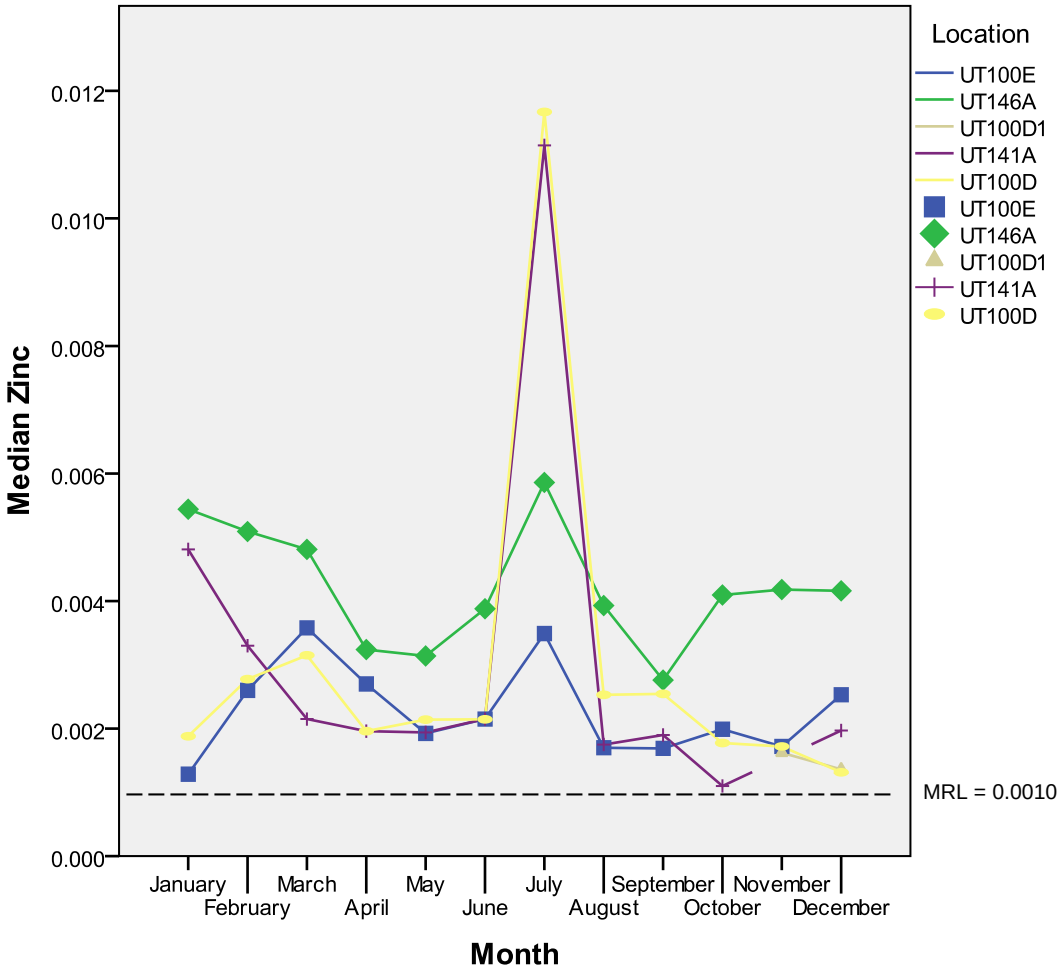

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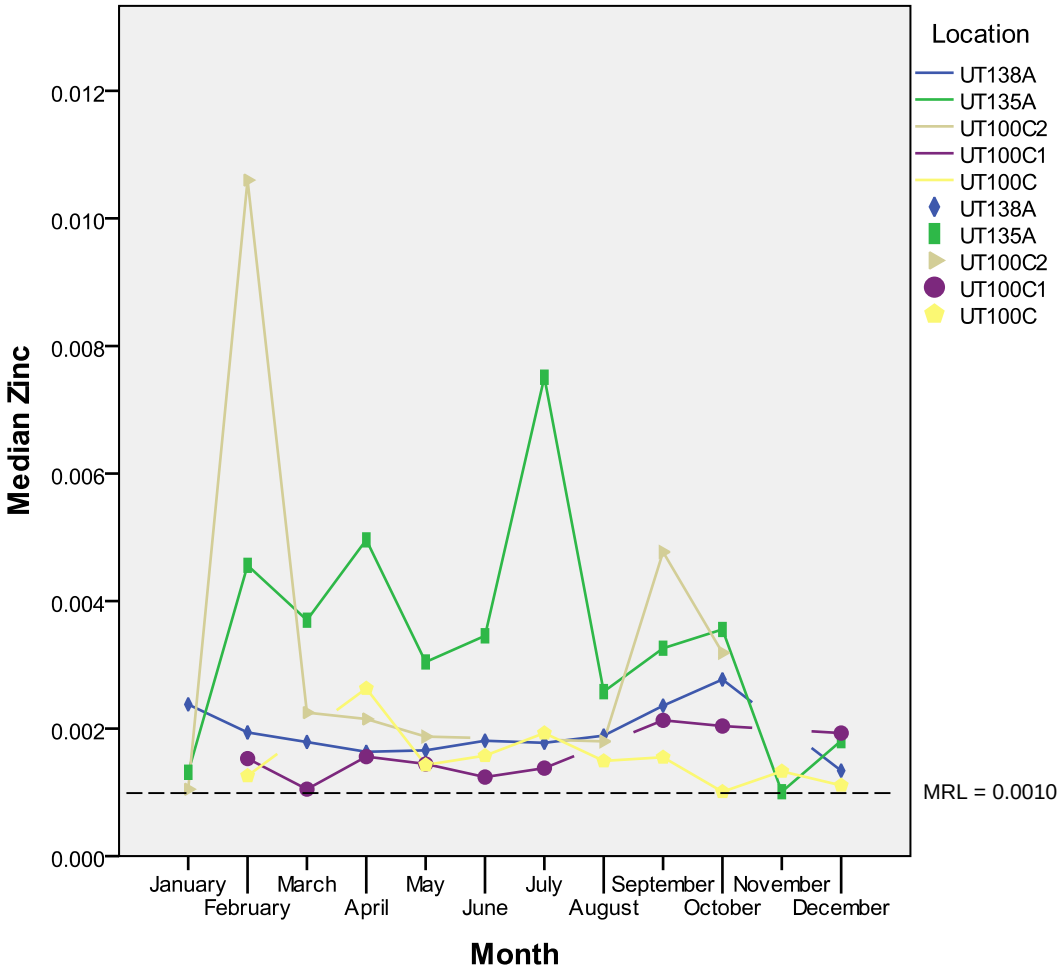

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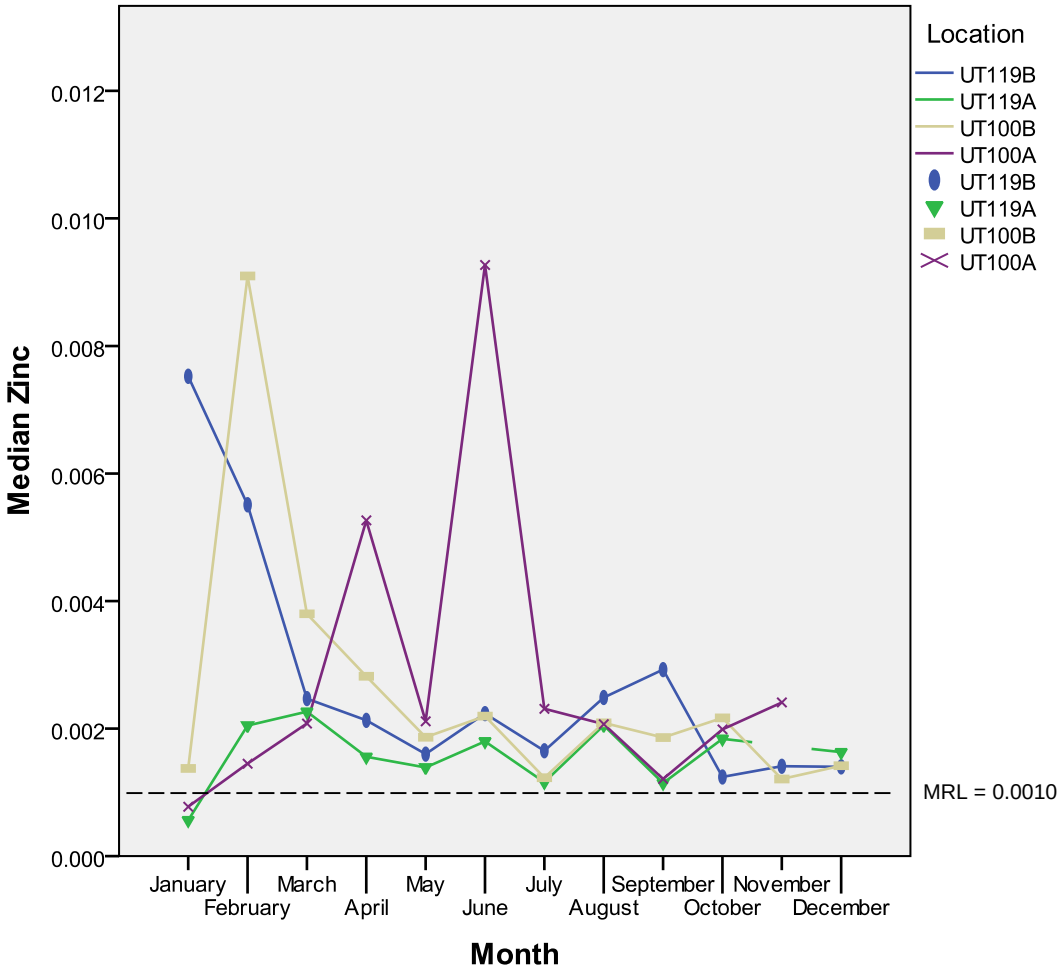

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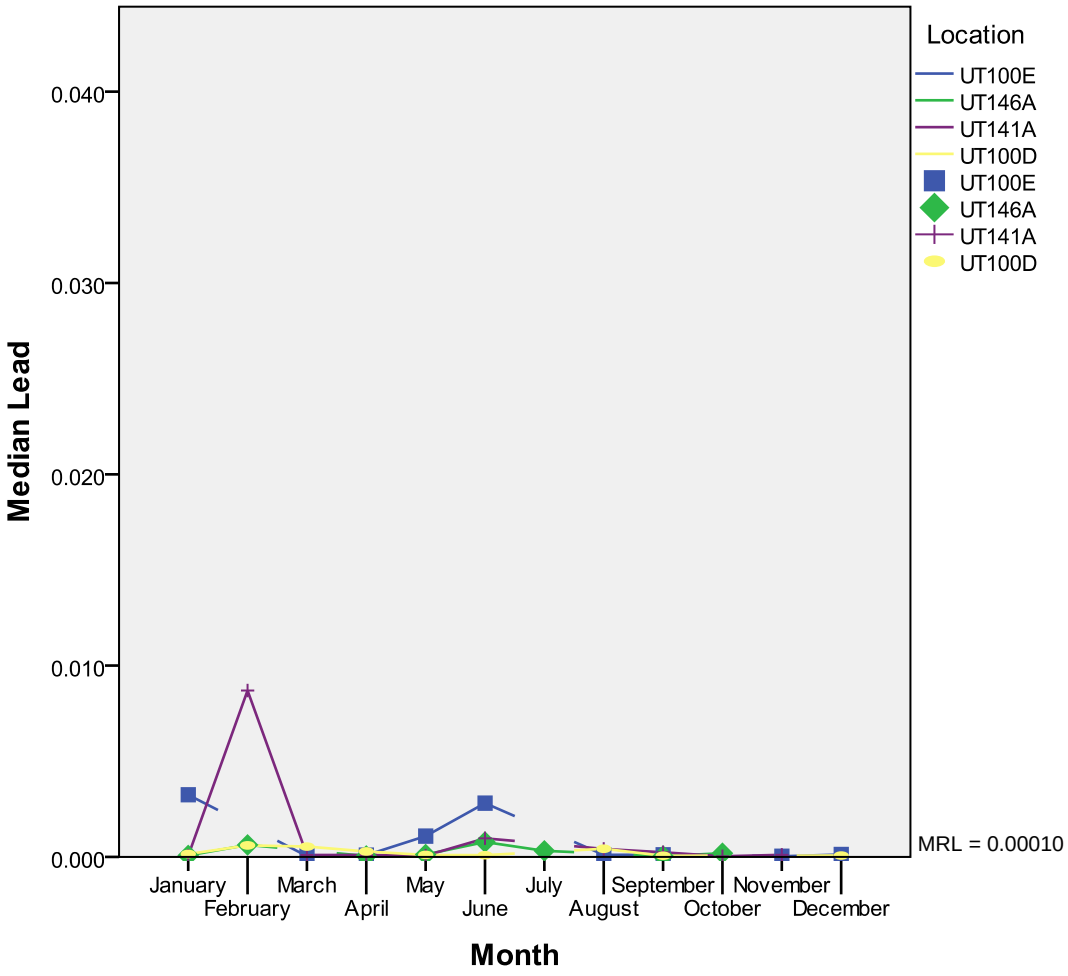

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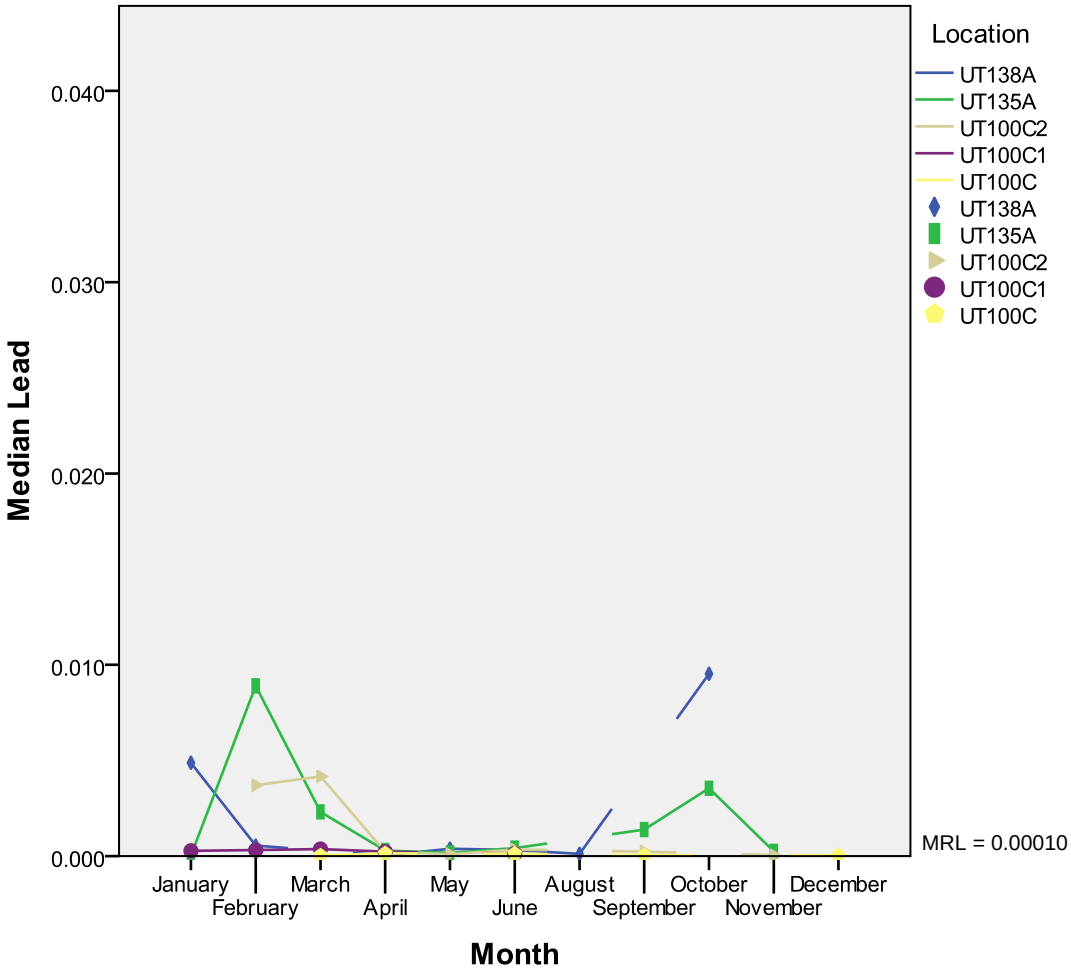

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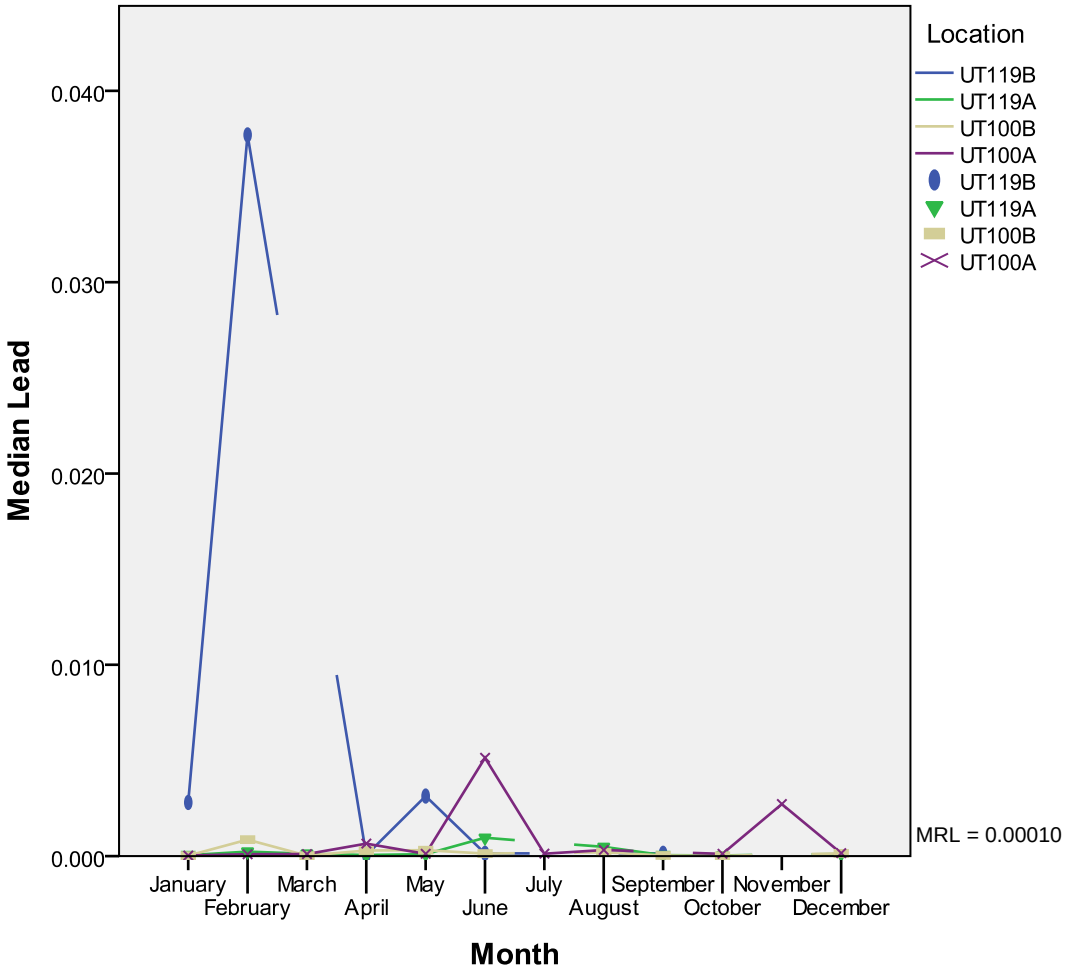

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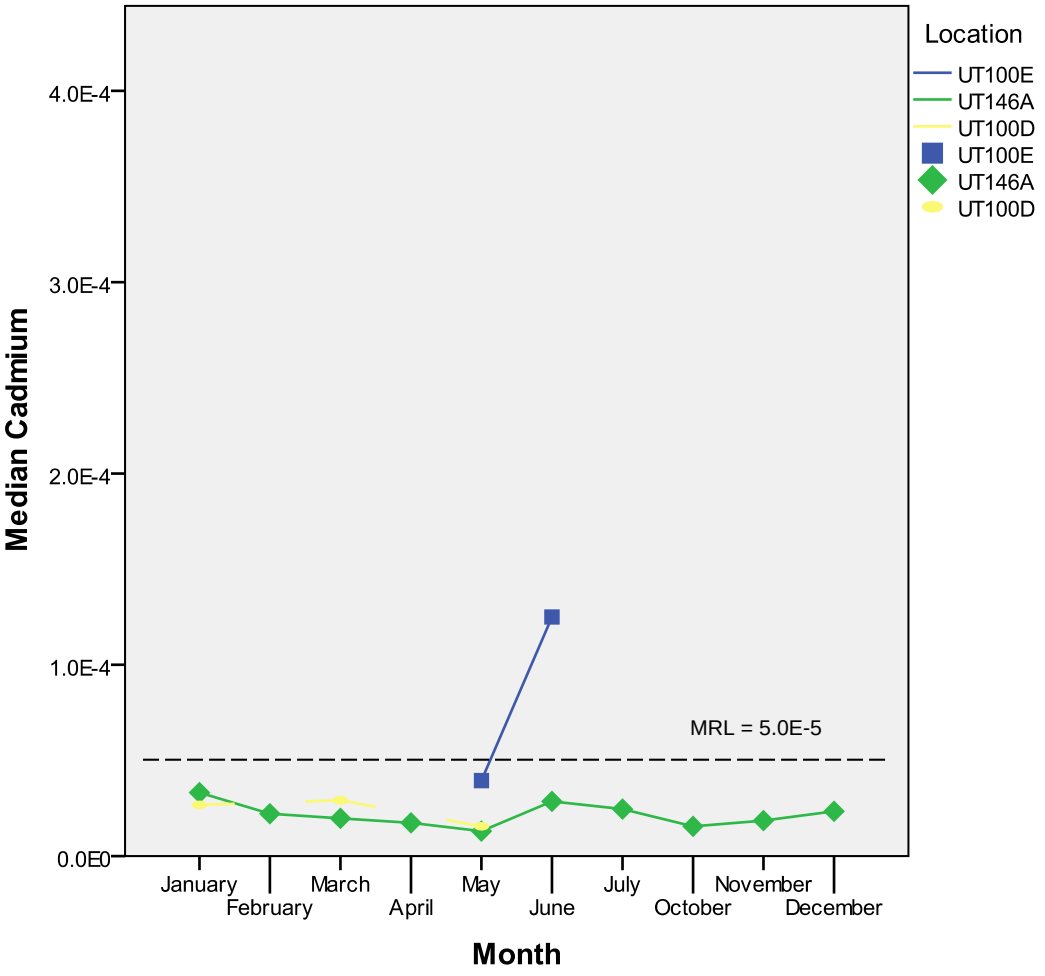

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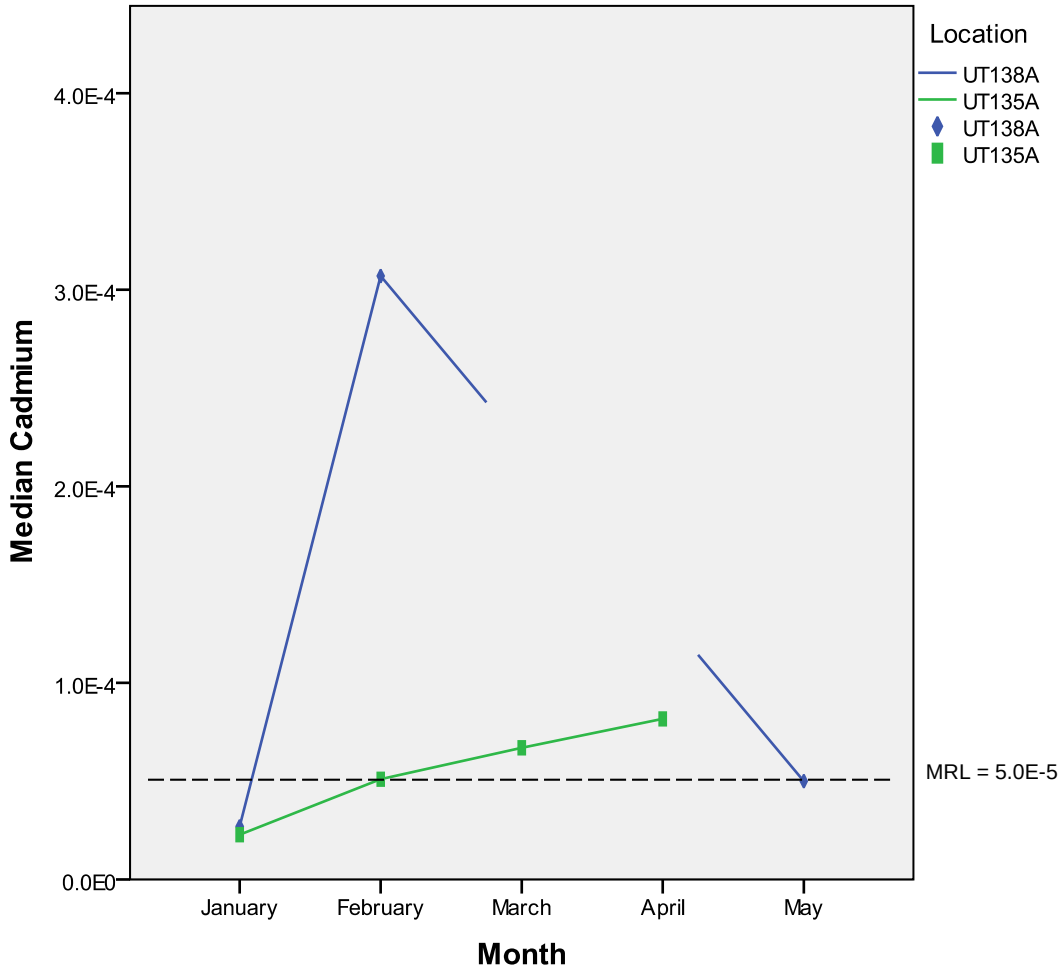

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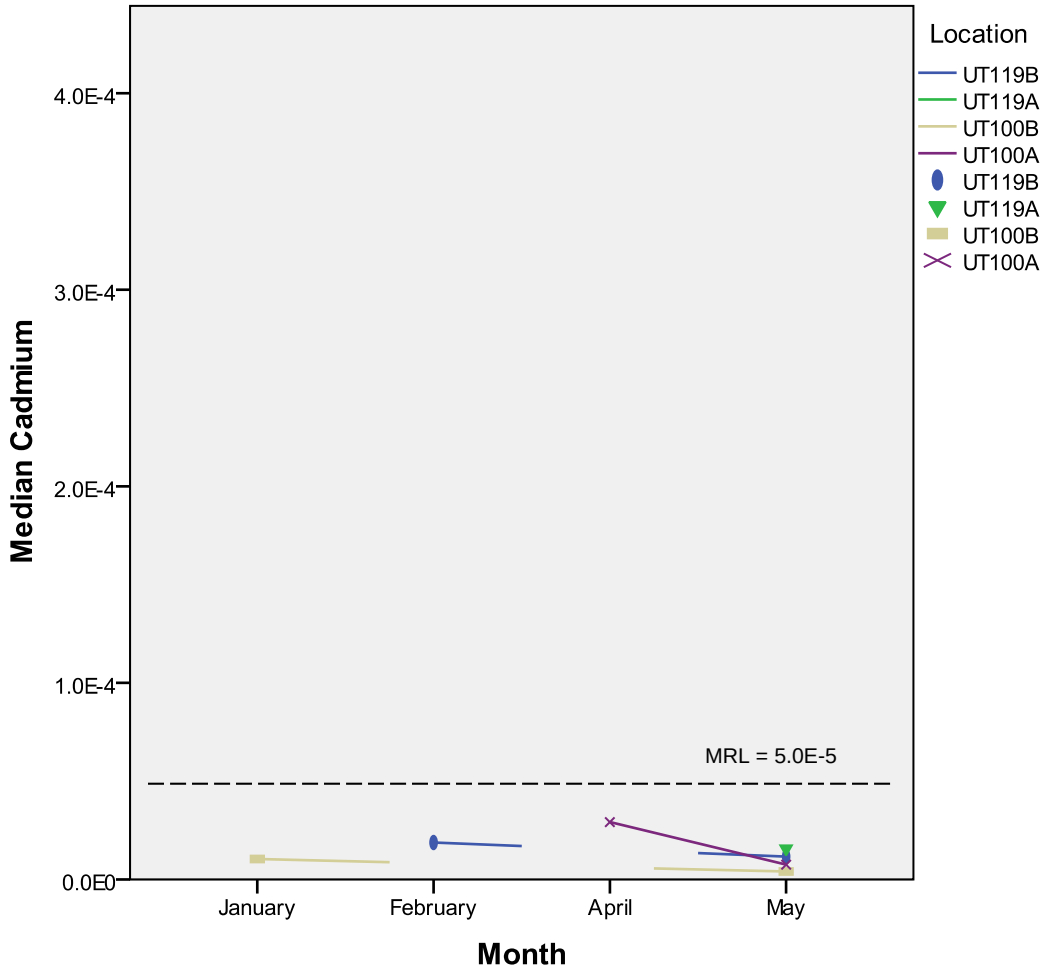

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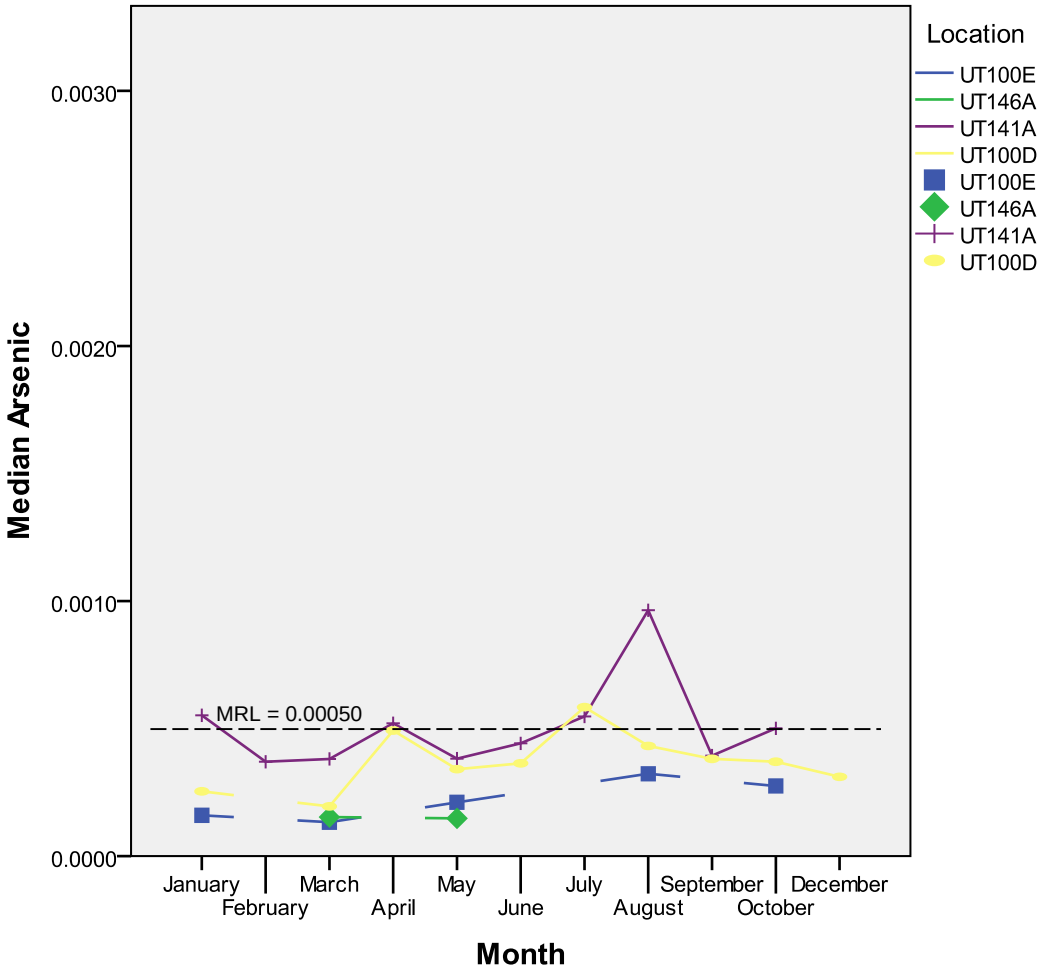

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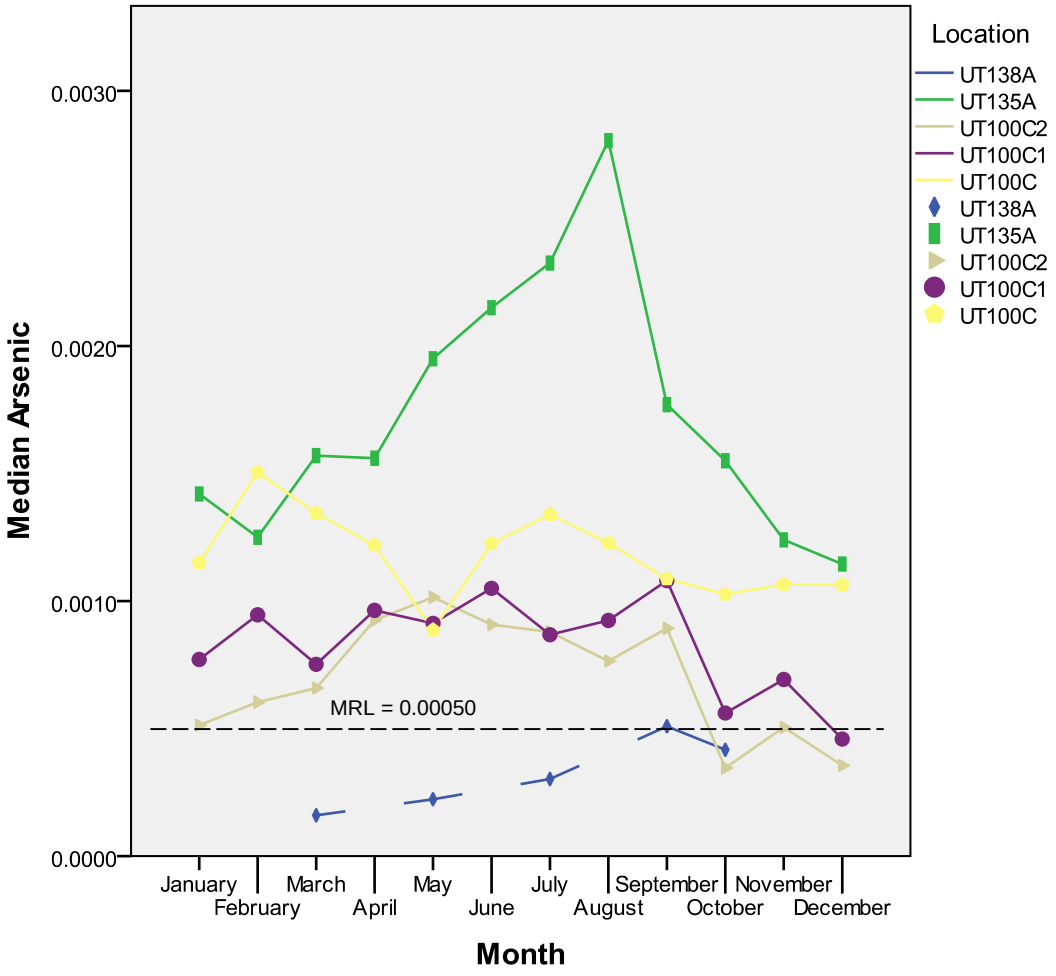

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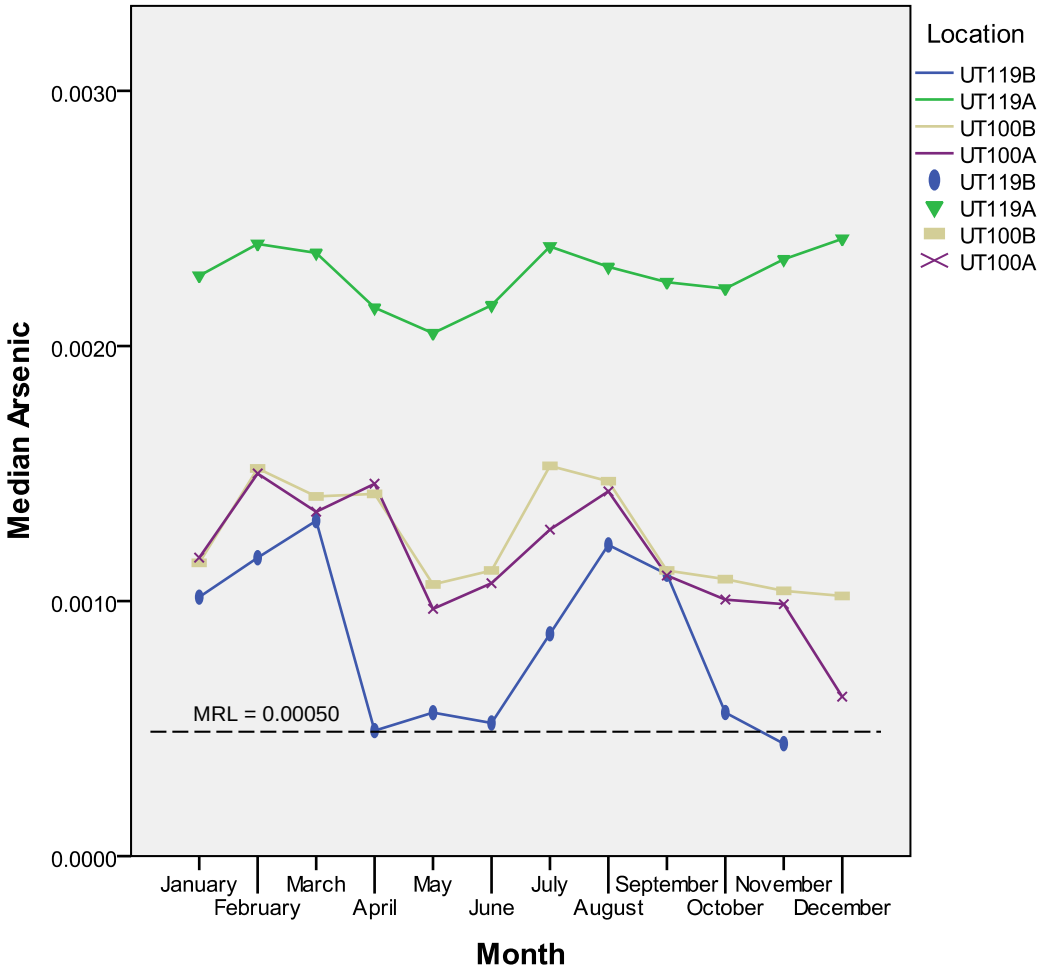

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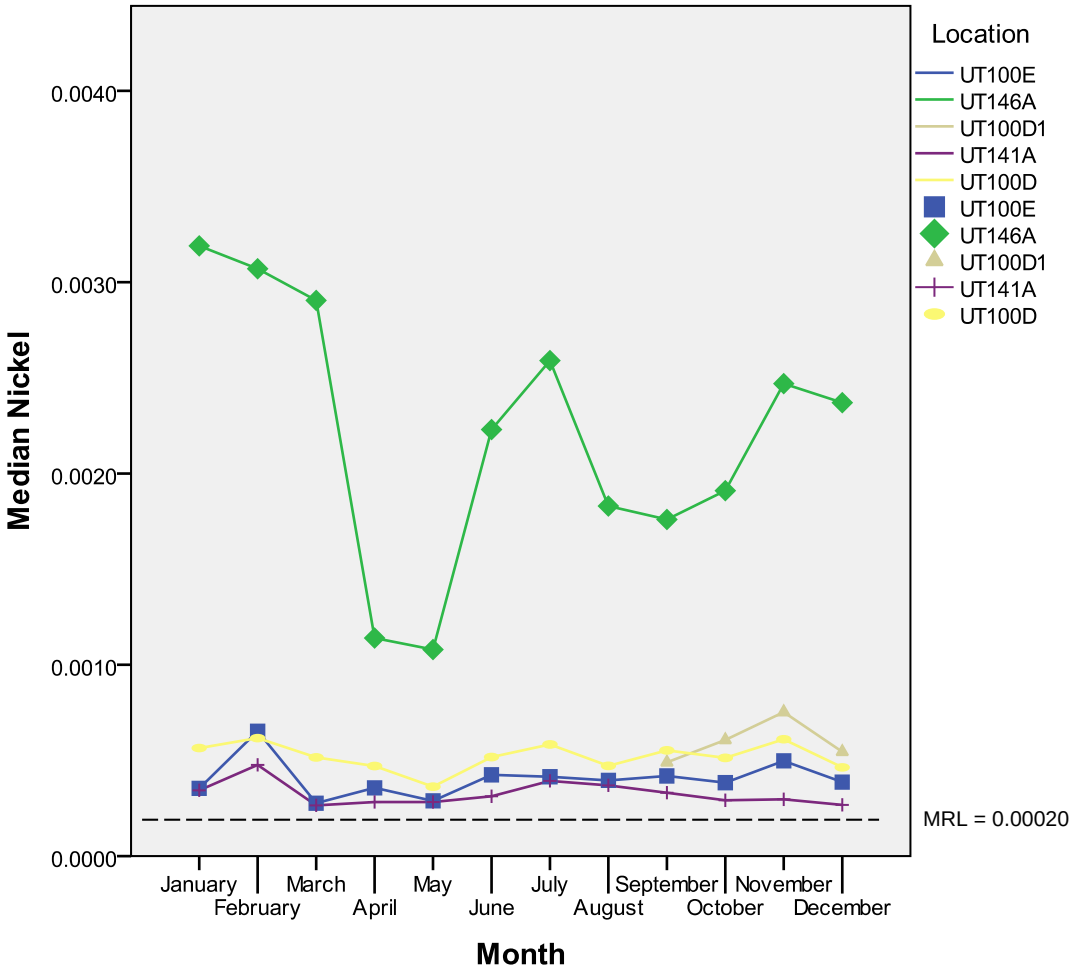

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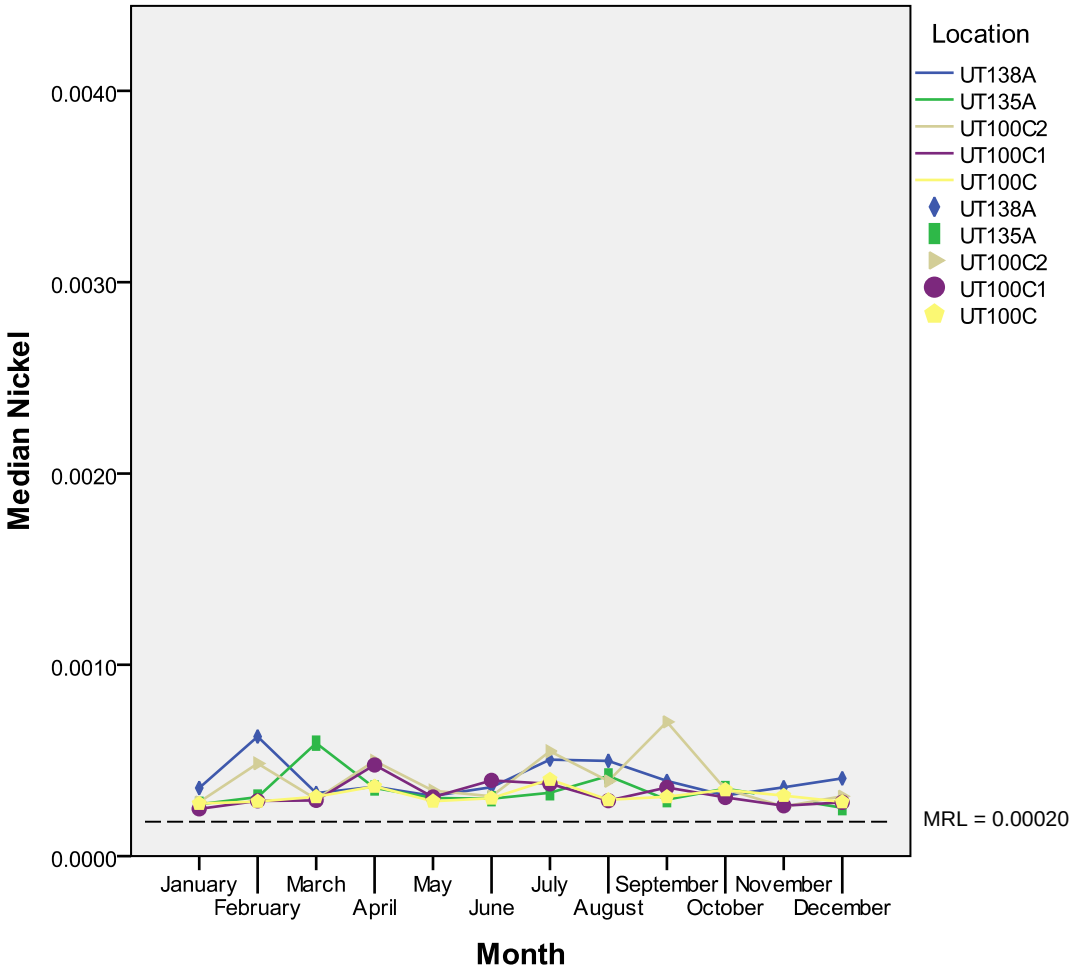

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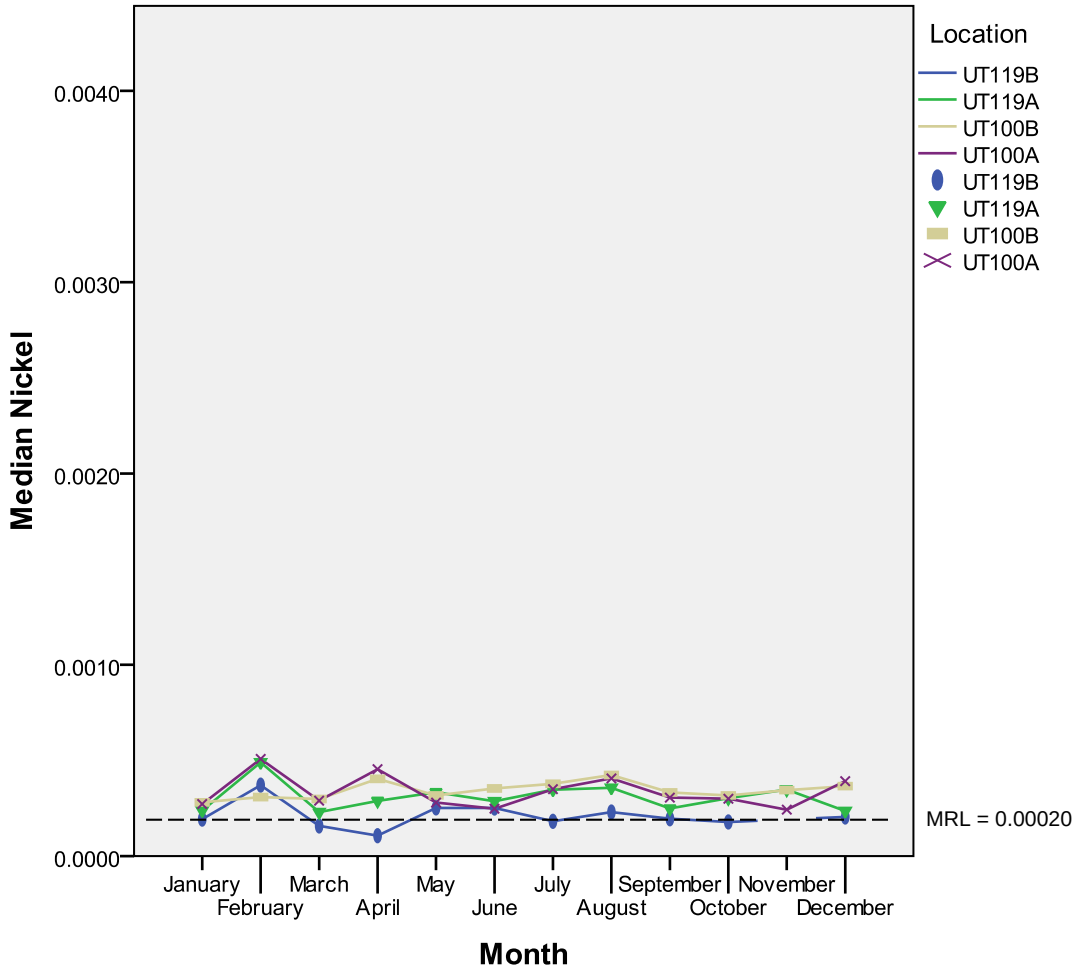

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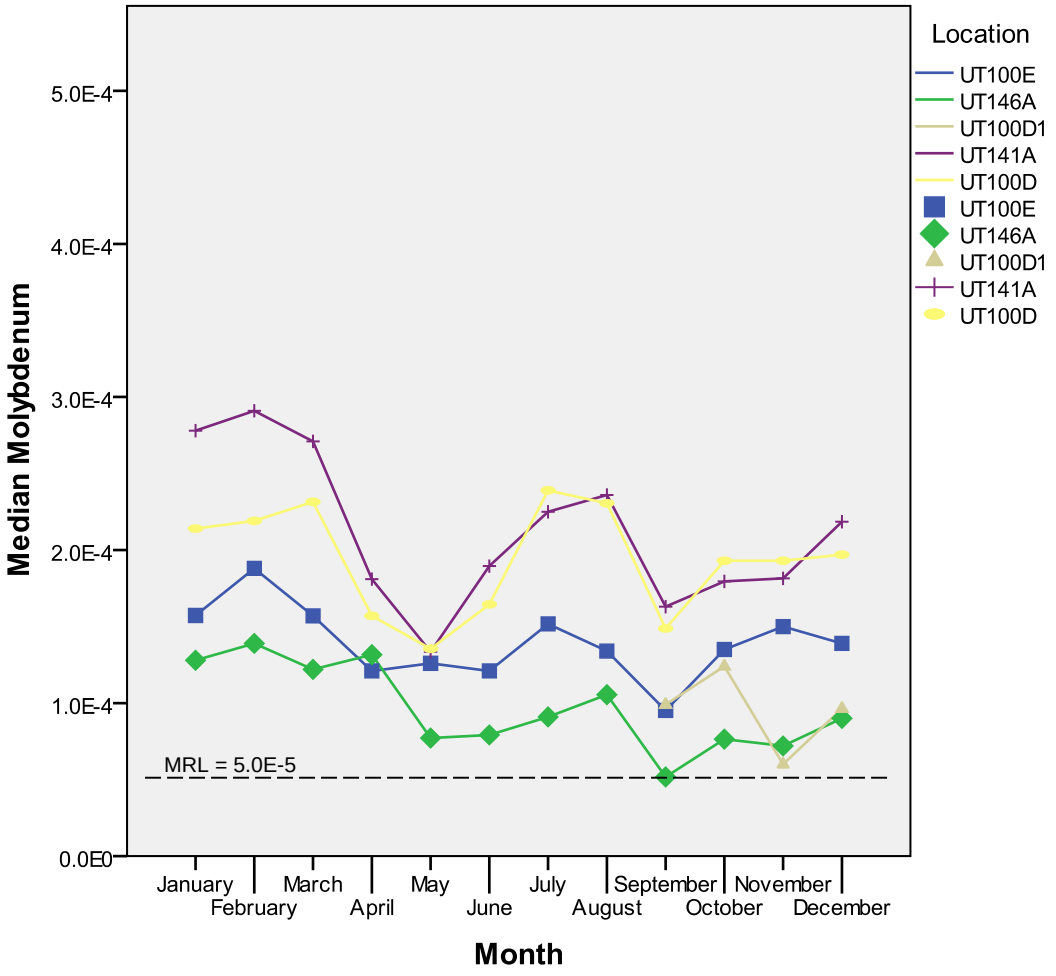

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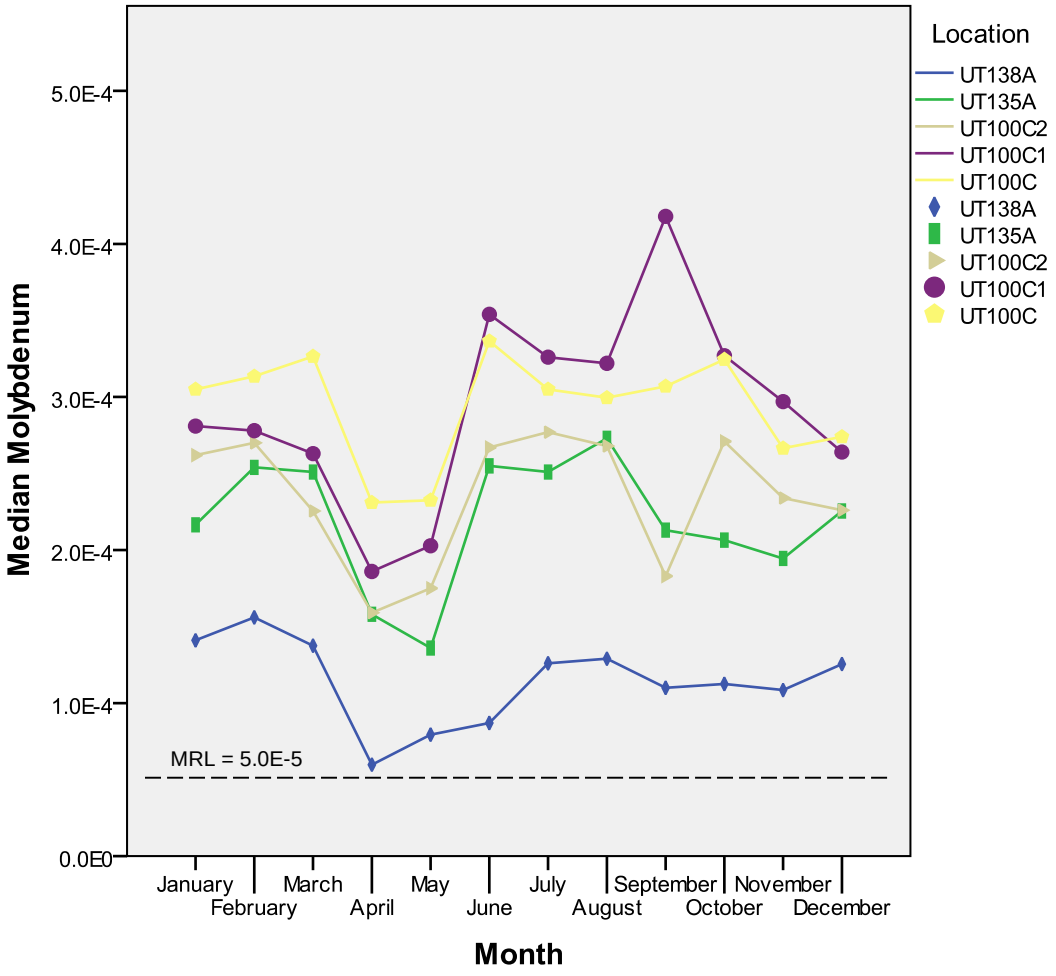

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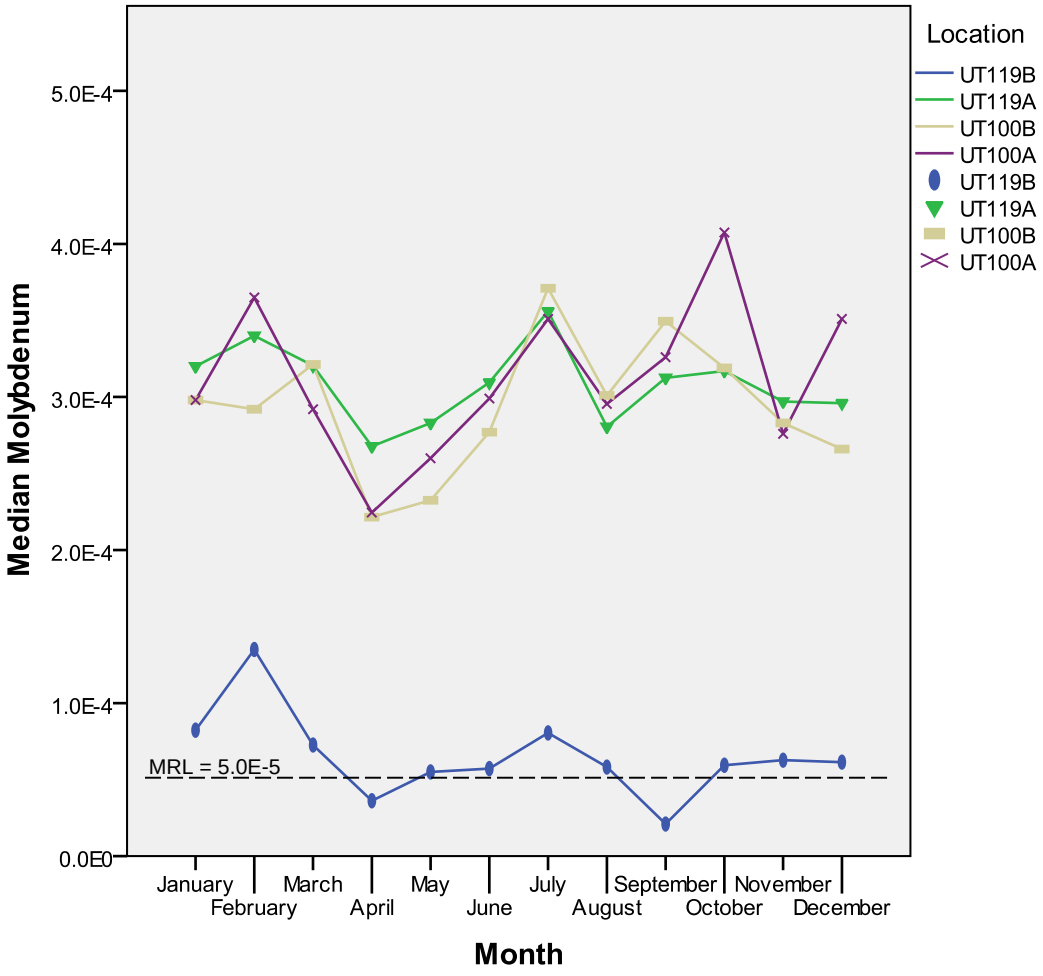


Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

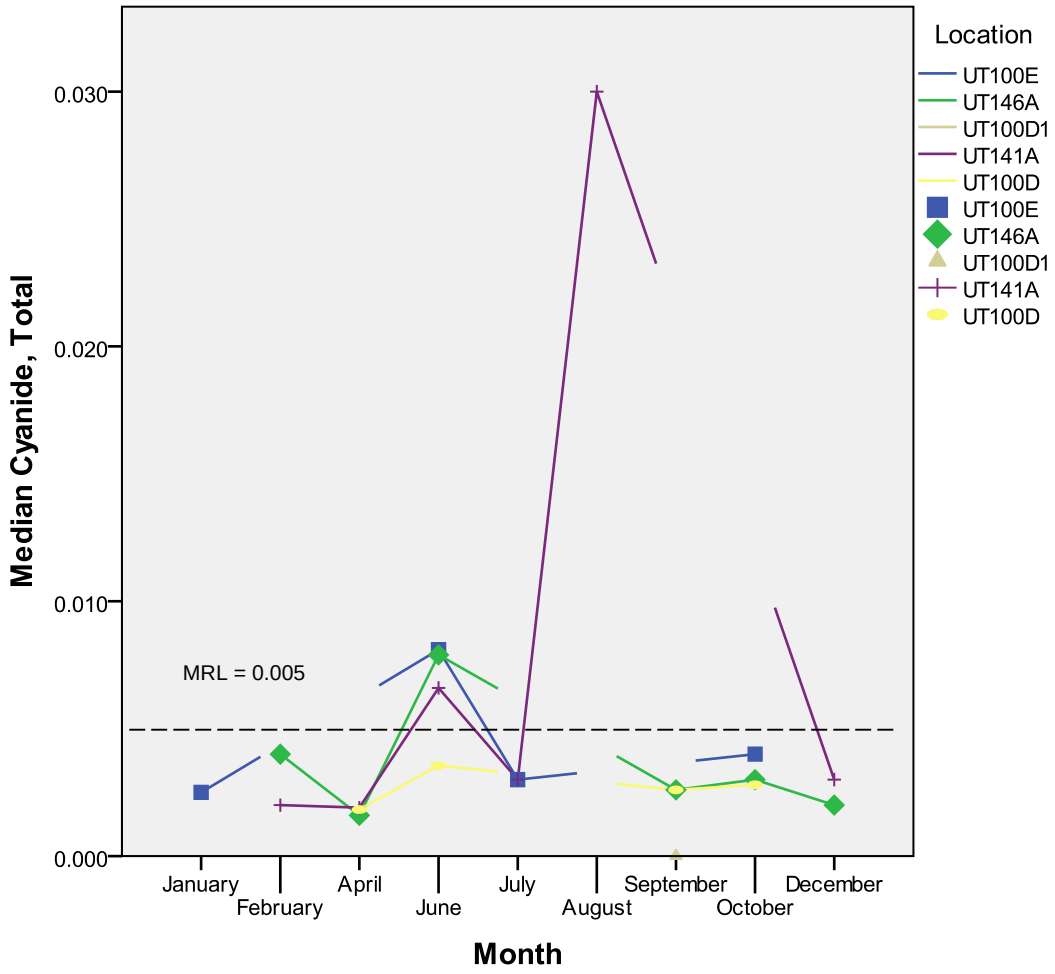
Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.

UPPER TALARIK CREEK: Locations UT100E, UT146A, UT100D1, UT141A, and UT100D



Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

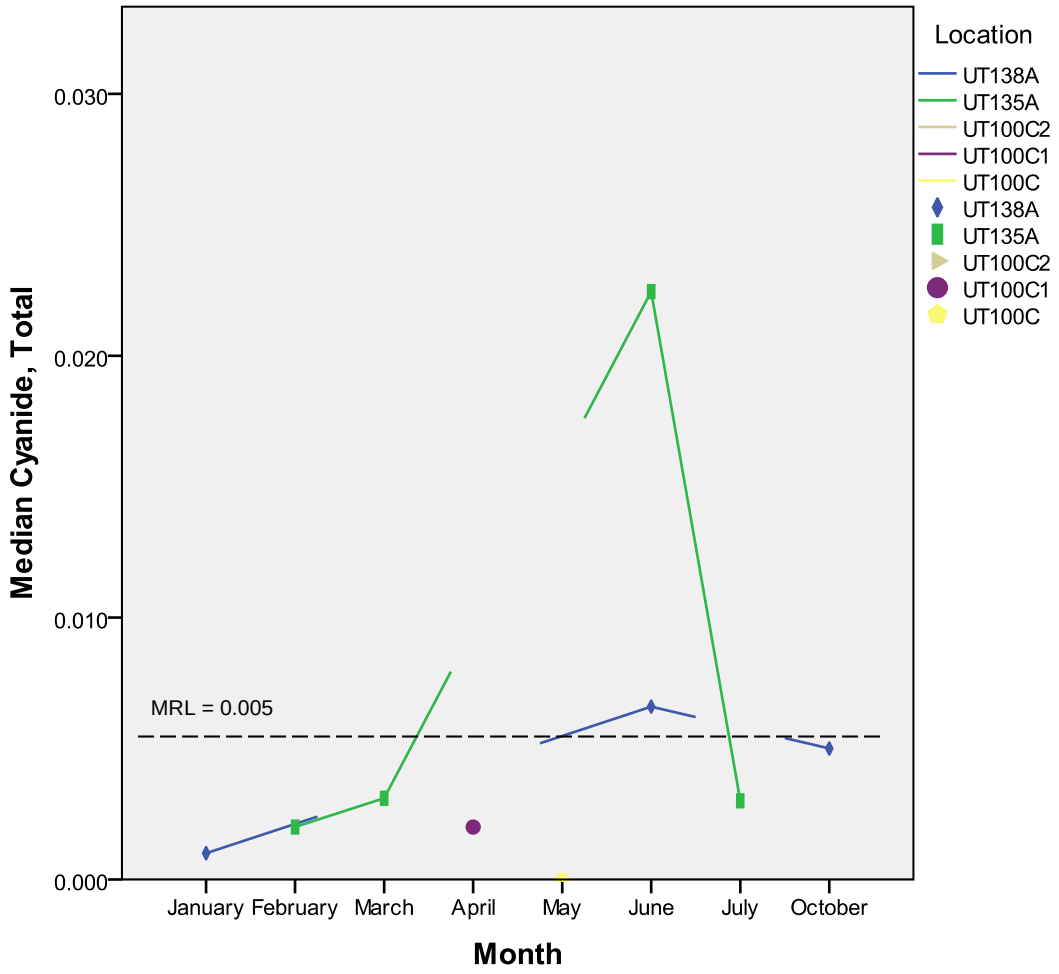
Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.

UPPER TALARIK CREEK: Locations UT138A, UT135A, UT100C2, UT100C1, and UT100C



Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

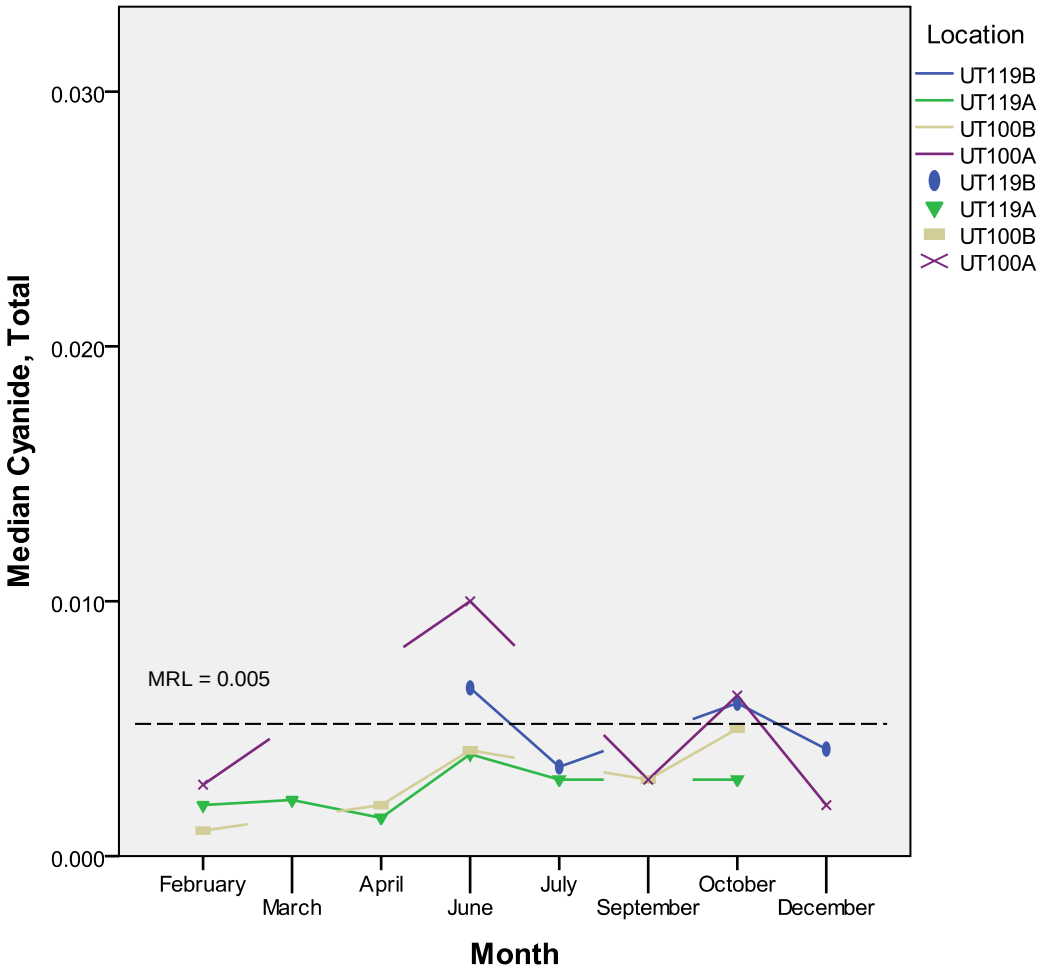
Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.

UPPER TALARIK CREEK: Locations UT119B, UT119A, UT100B, and UT100A



Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

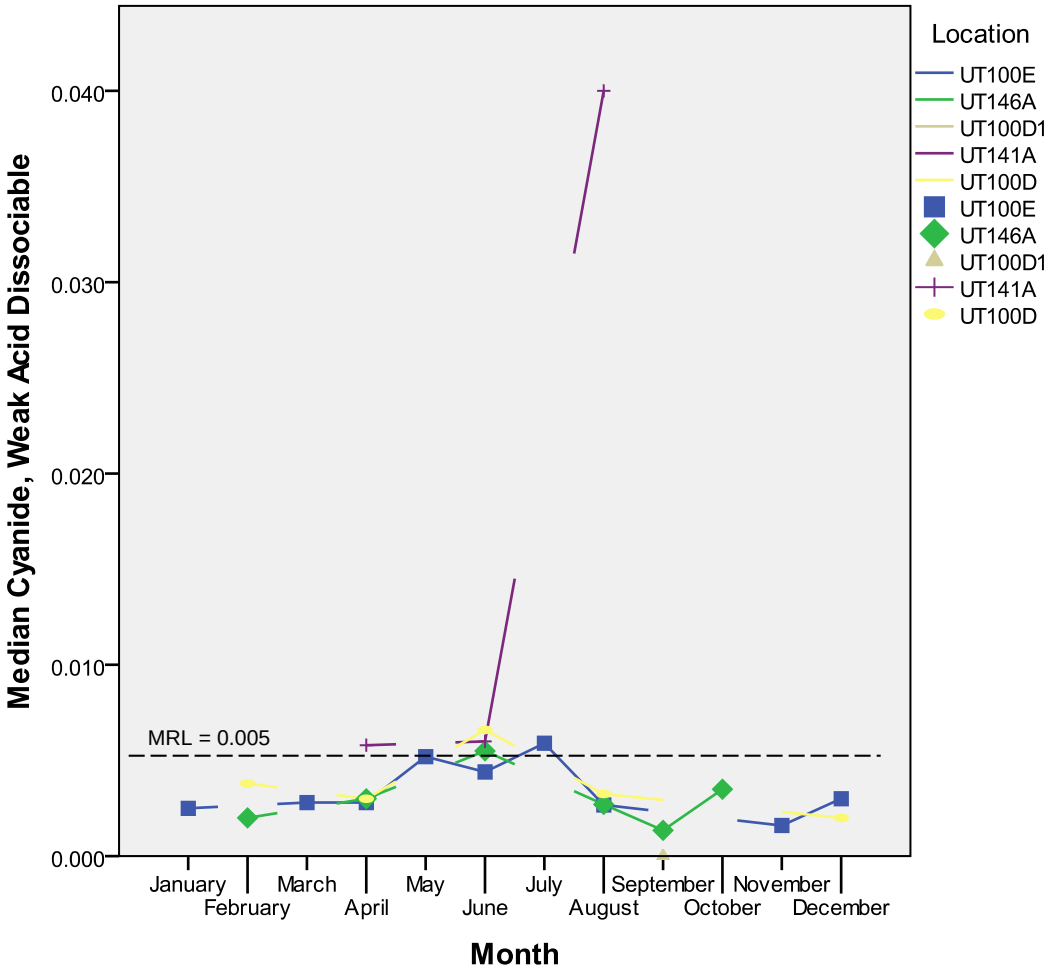
Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.

UPPER TALARIK CREEK: Locations UT100E, UT146A, UT100D1, UT141A, and UT100D



Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

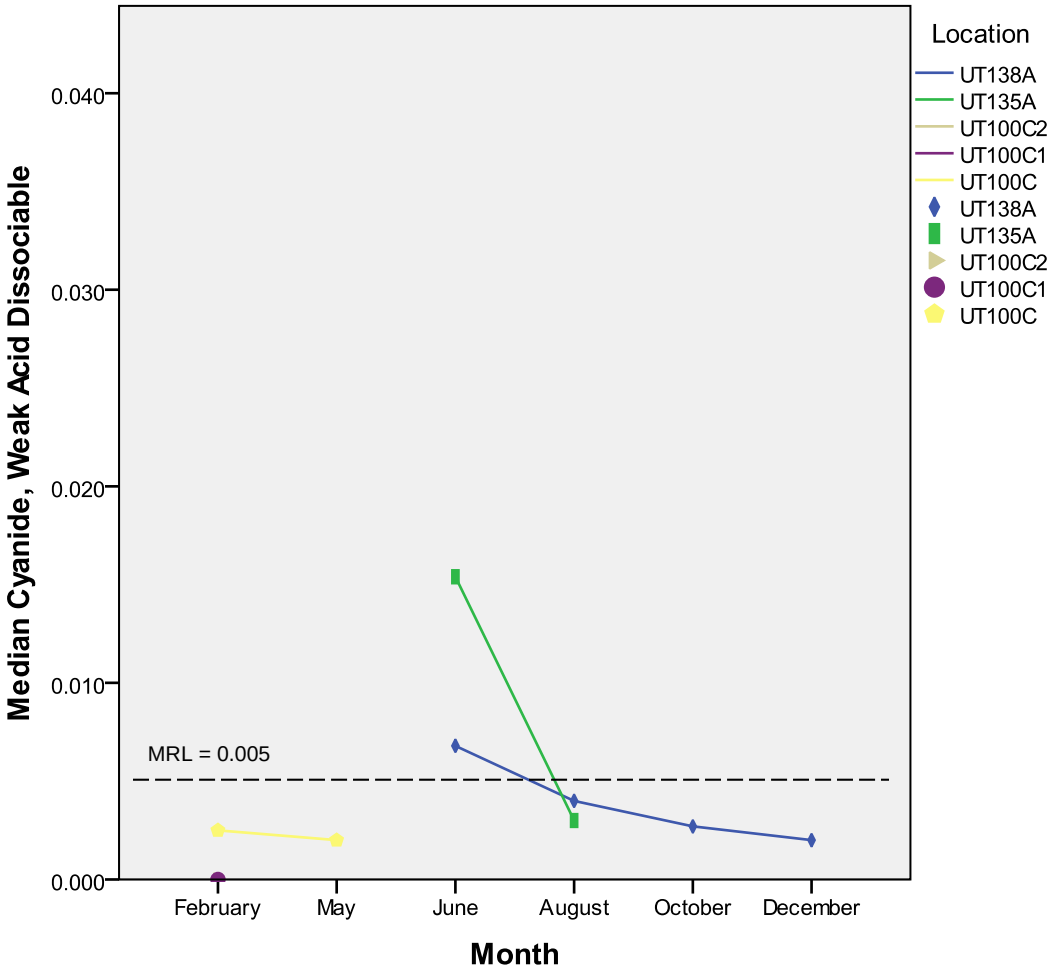
Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.

UPPER TALARIK CREEK: Locations UT138A, UT135A, UT100C2, UT100C1, and UT100C



Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

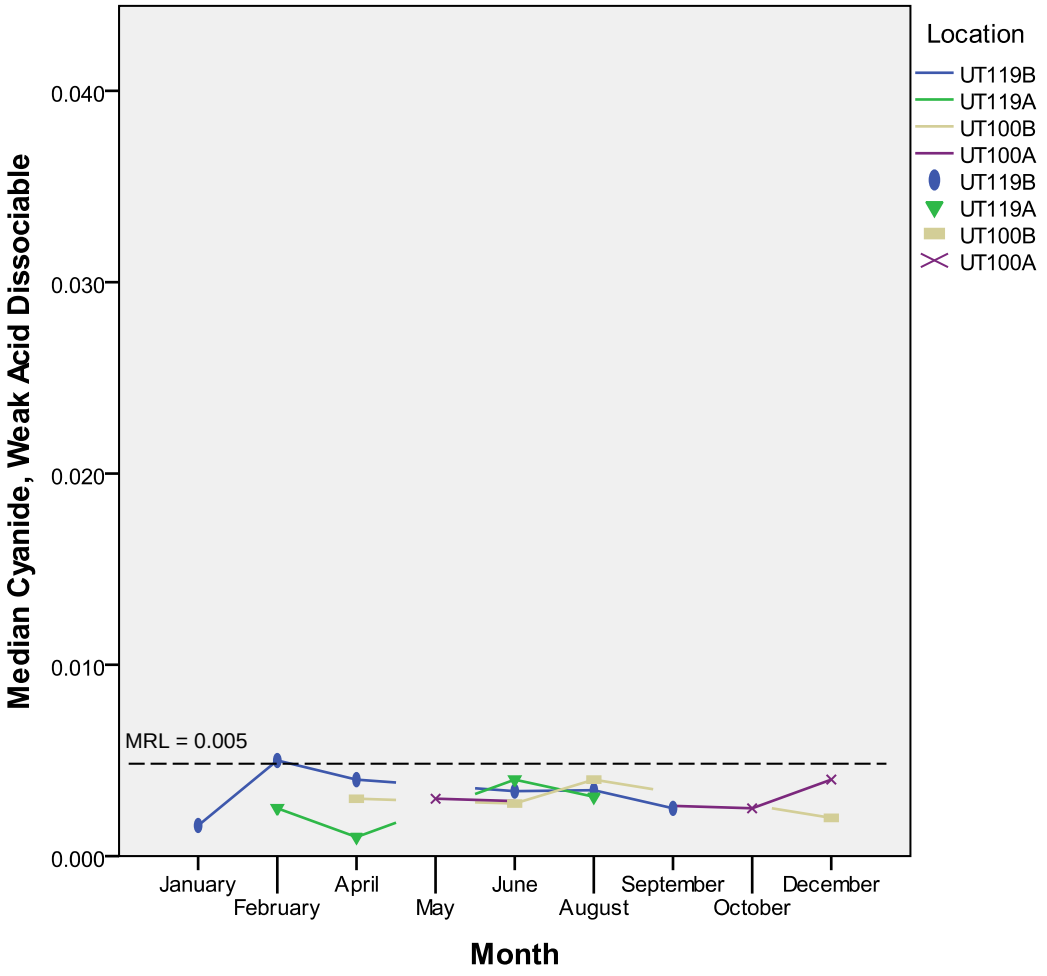
Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

Each sampling station is represented by a unique color on the graph – symbols represent individual sampling events and lines indicate the trends between sampling events.

MRL = method reporting limit.

UPPER TALARIK CREEK: Locations UT119B, UT119A, UT100B, and UT100A



Notes:

Median analyte concentrations for each month are presented in milligrams per liter (mg/L).

Median concentrations include only detected values.

Only sample locations with data from at least two months, and only months with data from at least one sample location, are depicted on the graphs.

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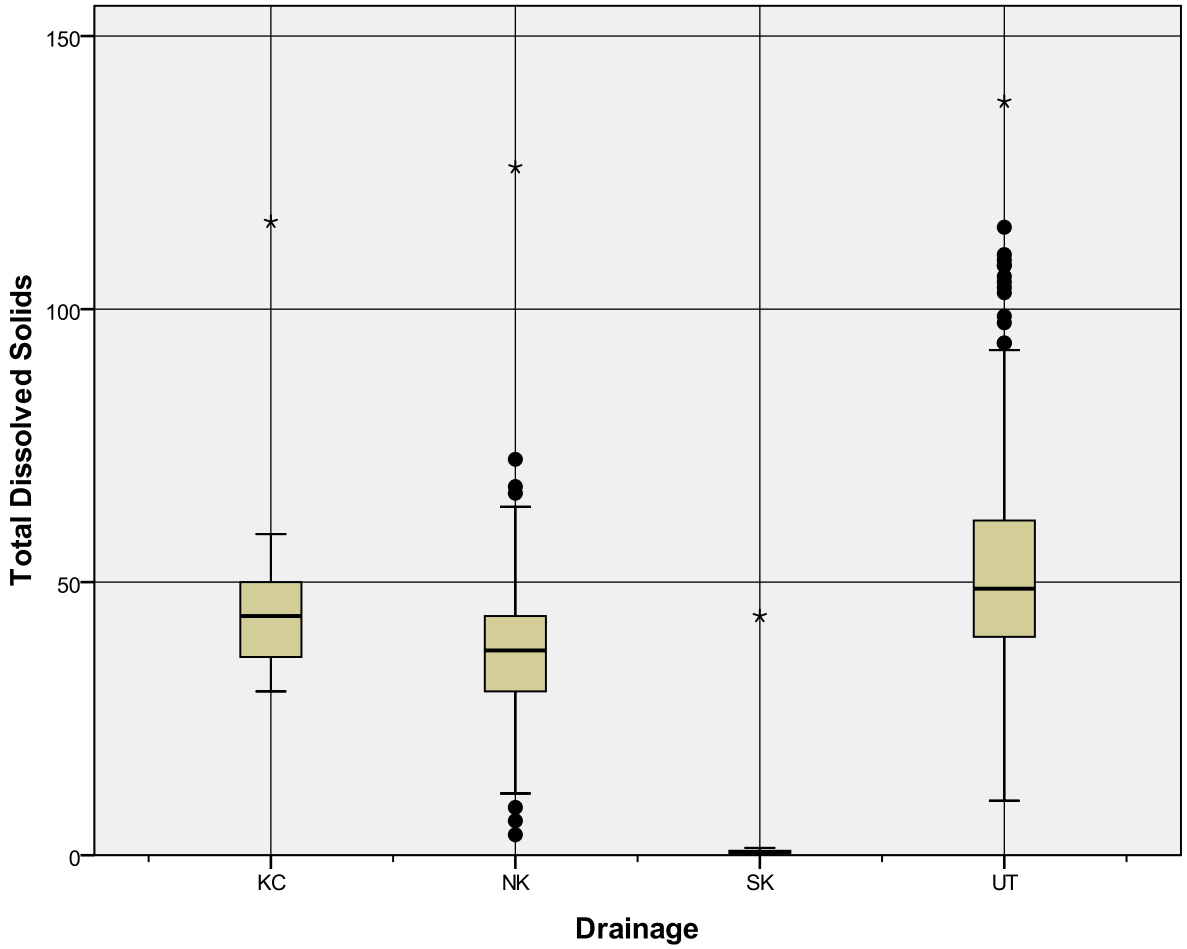
MRL = method reporting limit.

APPENDIX 9.1G

Box and Whisker Plots for Naturally Occurring Constituents in River and Creek Surface Water Mine Study Area 2004-2008



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

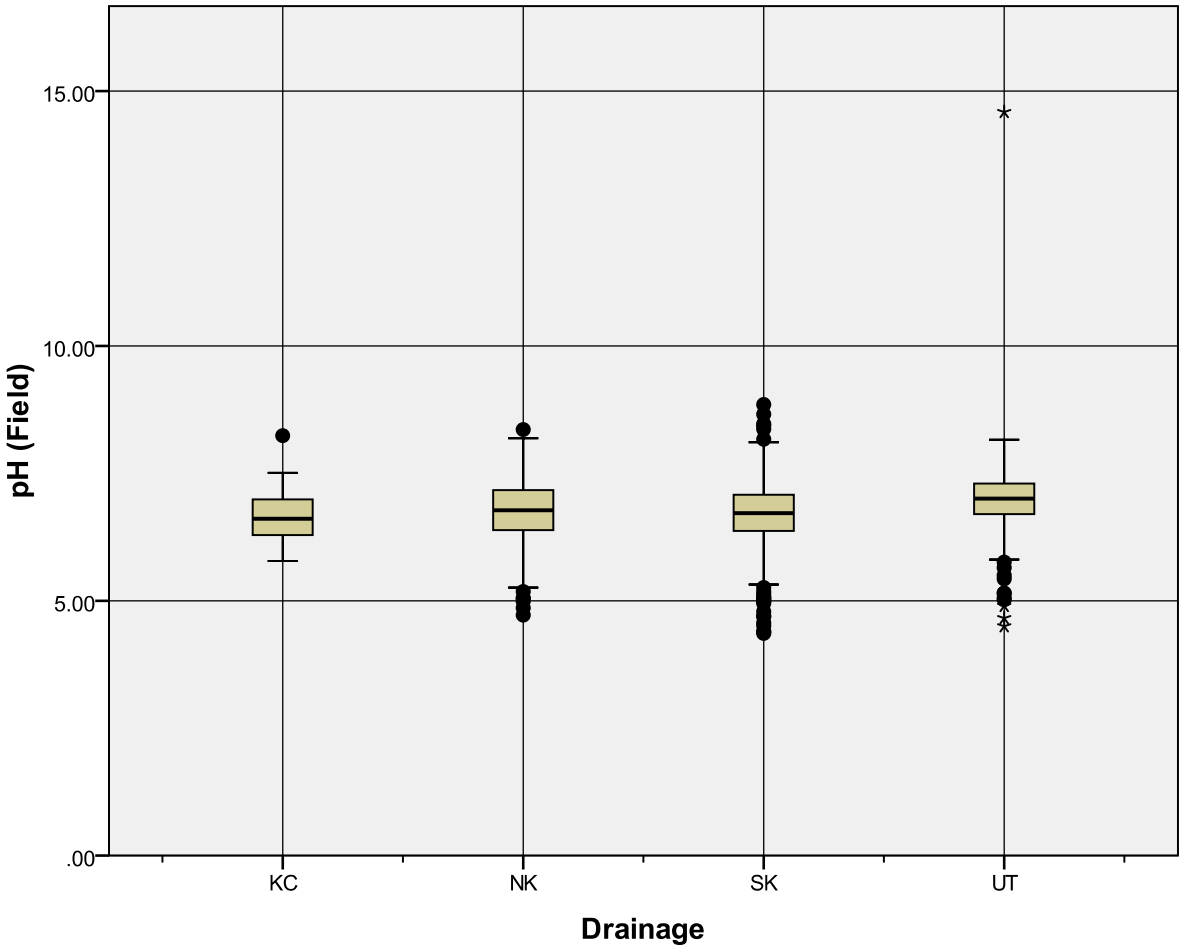
Only detected values are shown.

KC = Kaskanak Creek, NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:
Values are in standard pH units.
Only detected values are shown.
KC = Kaskanak Creek, NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

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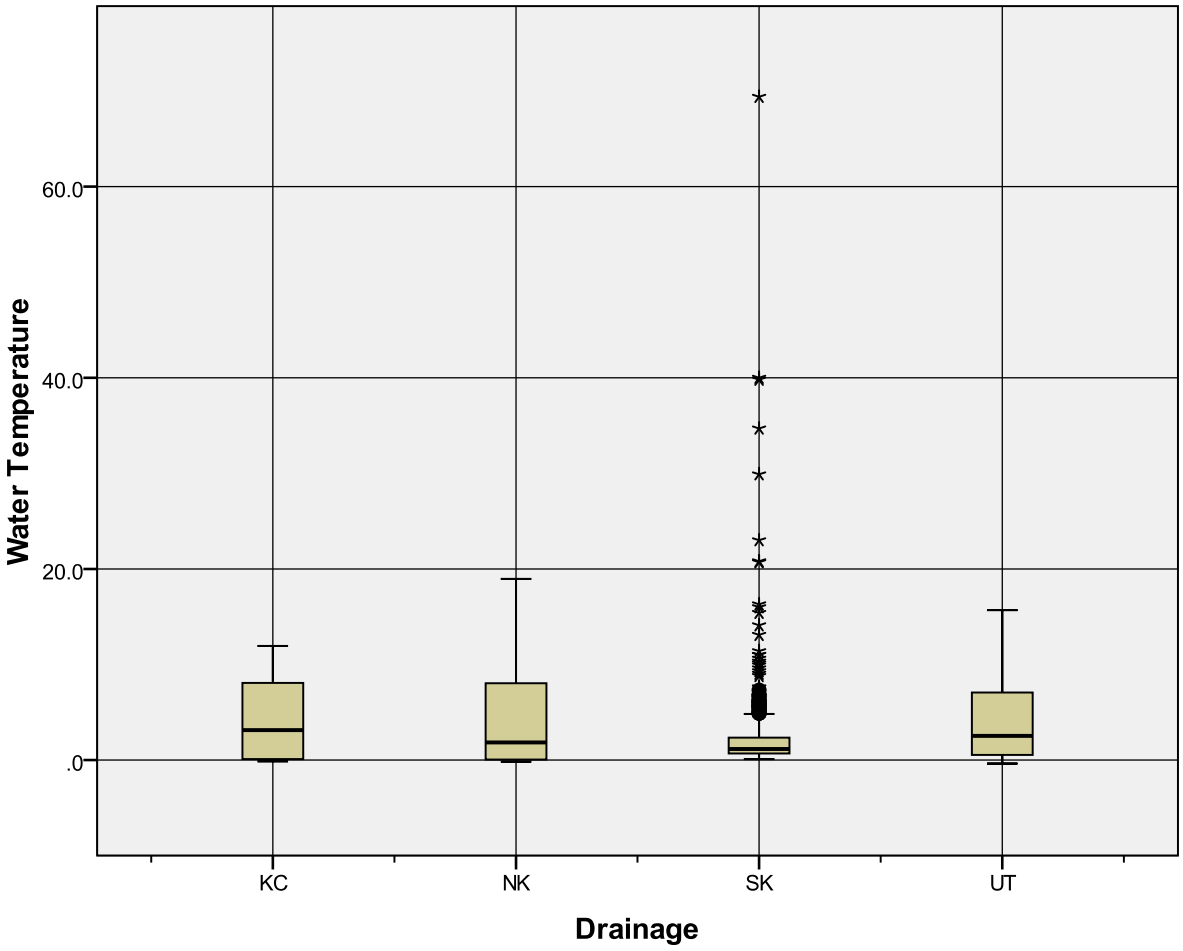
Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in degrees Celsius.

Only detected values are shown.

KC = Kaskanak Creek, NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

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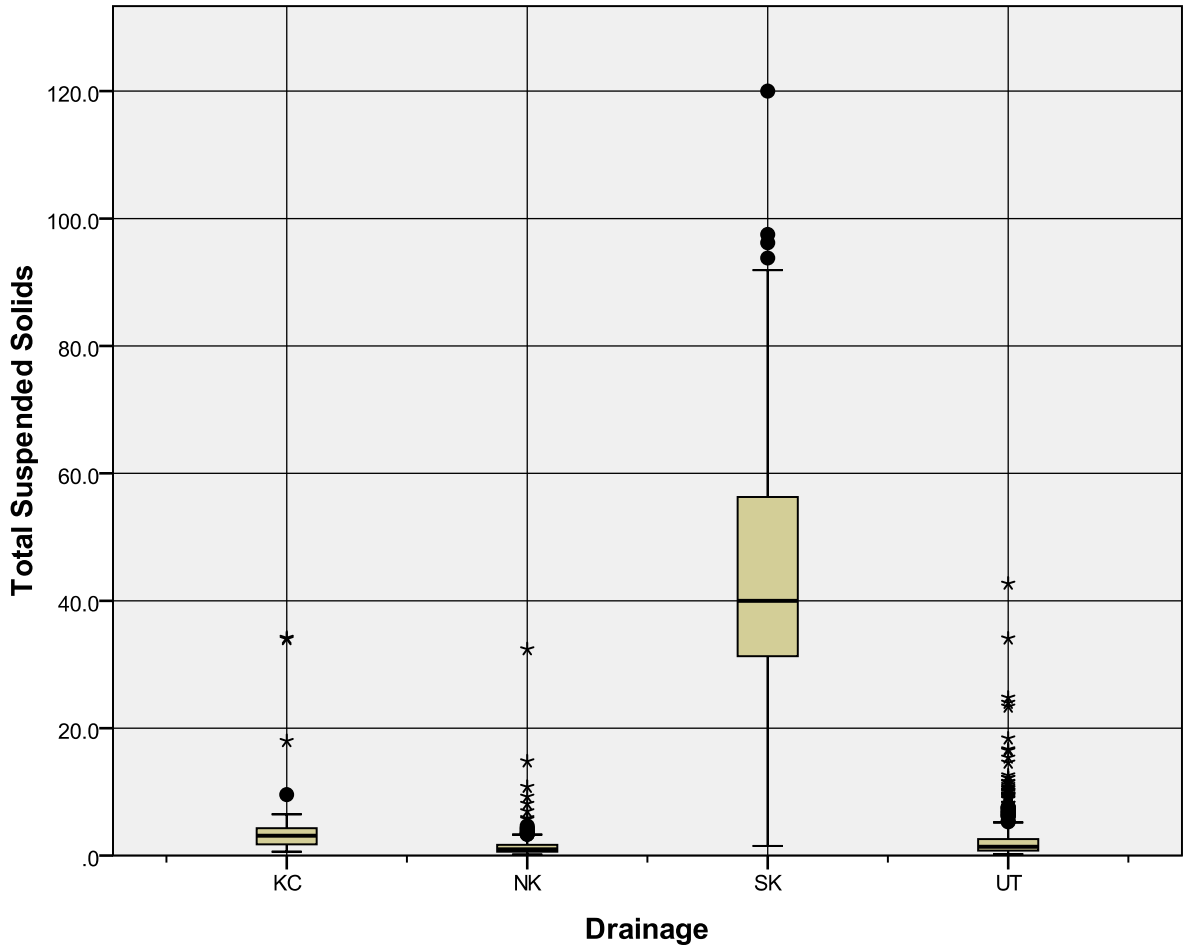
Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

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KC = Kaskanak Creek, NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik.

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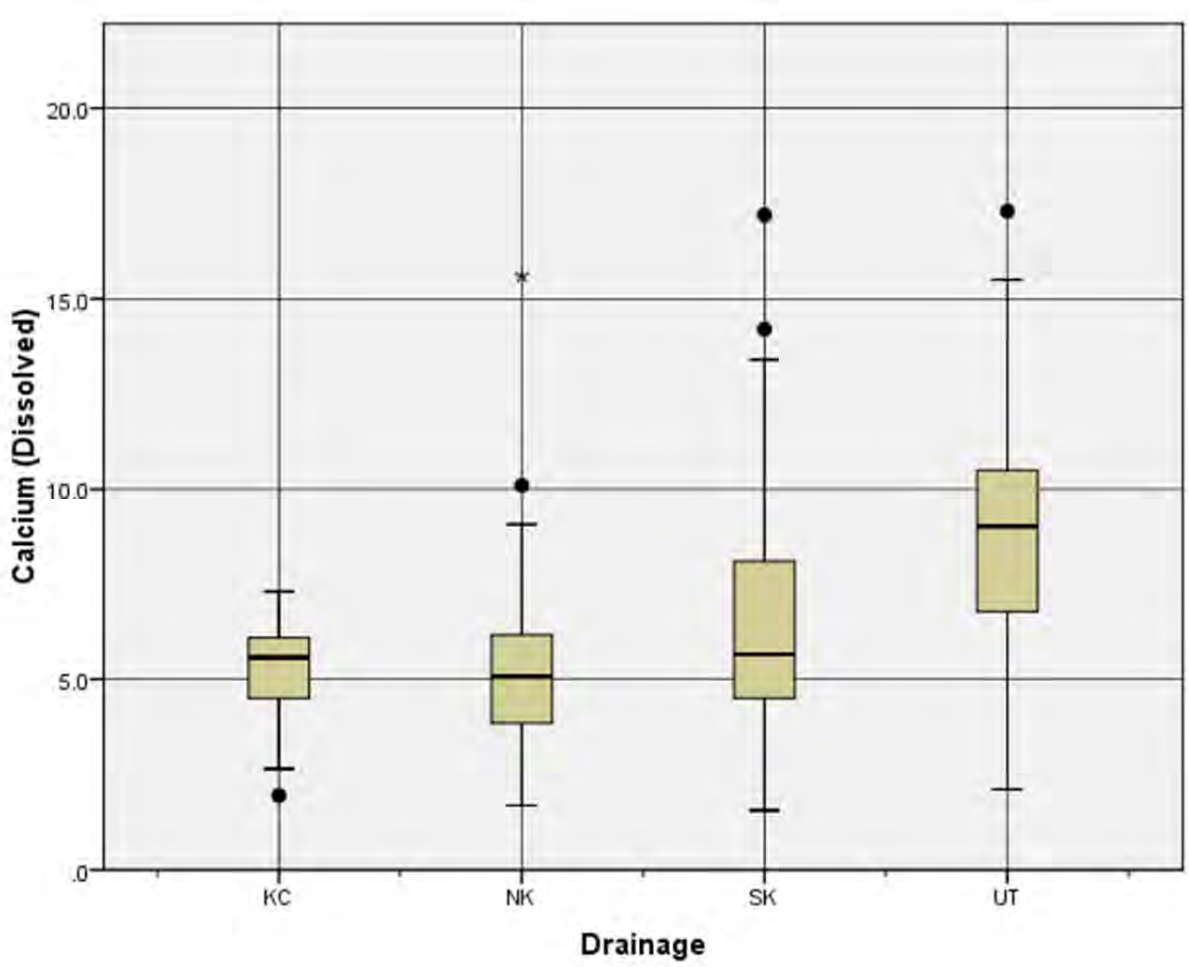

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

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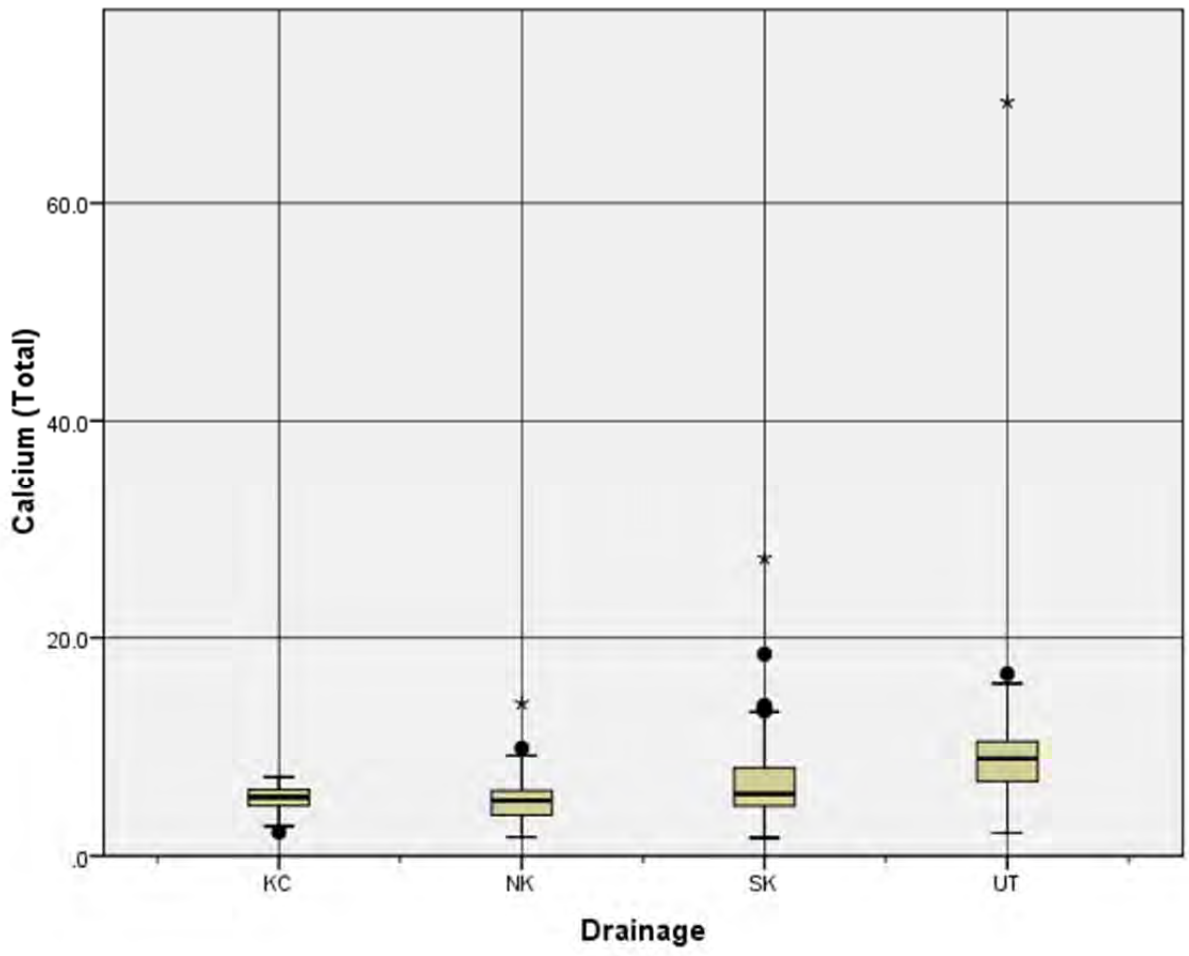

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

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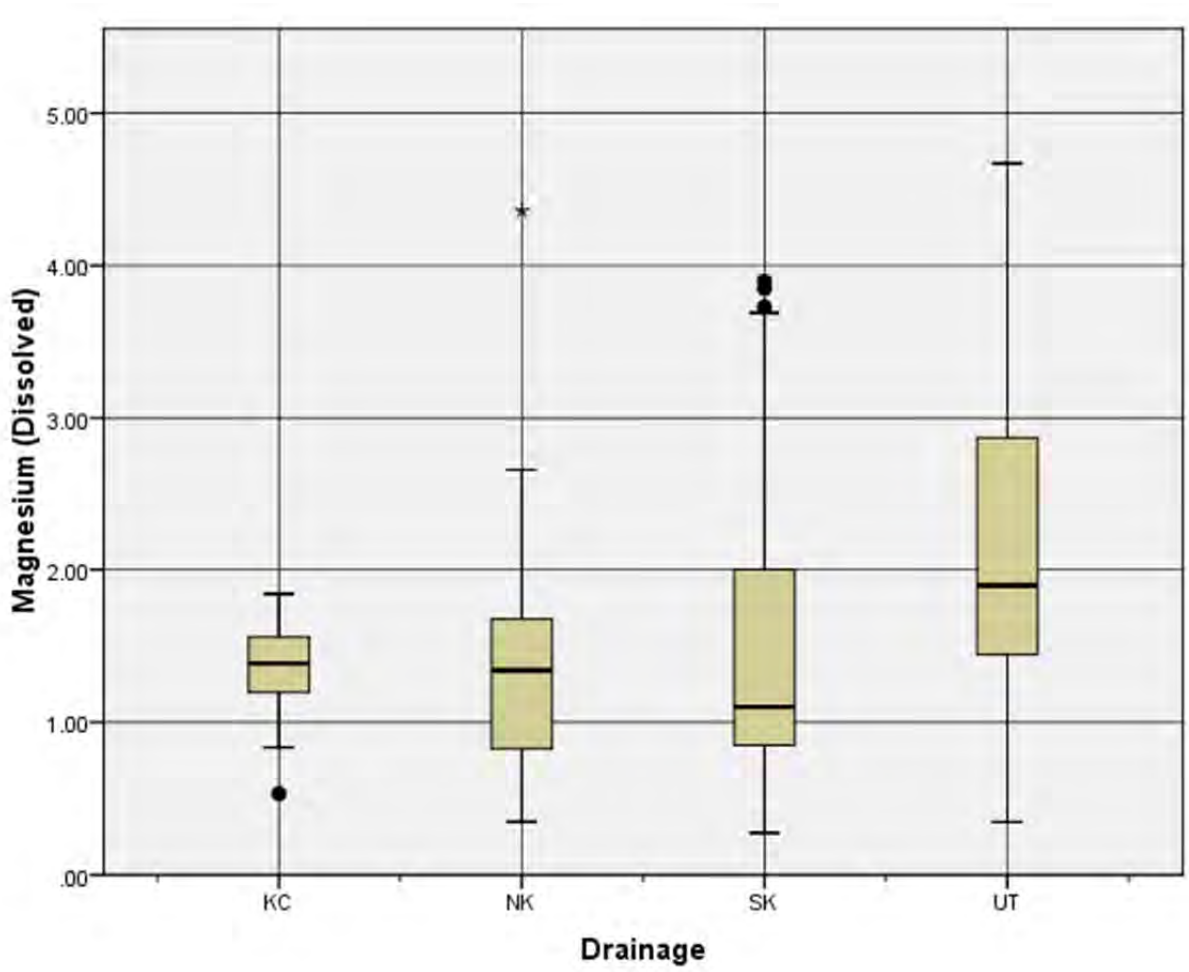

Notes:

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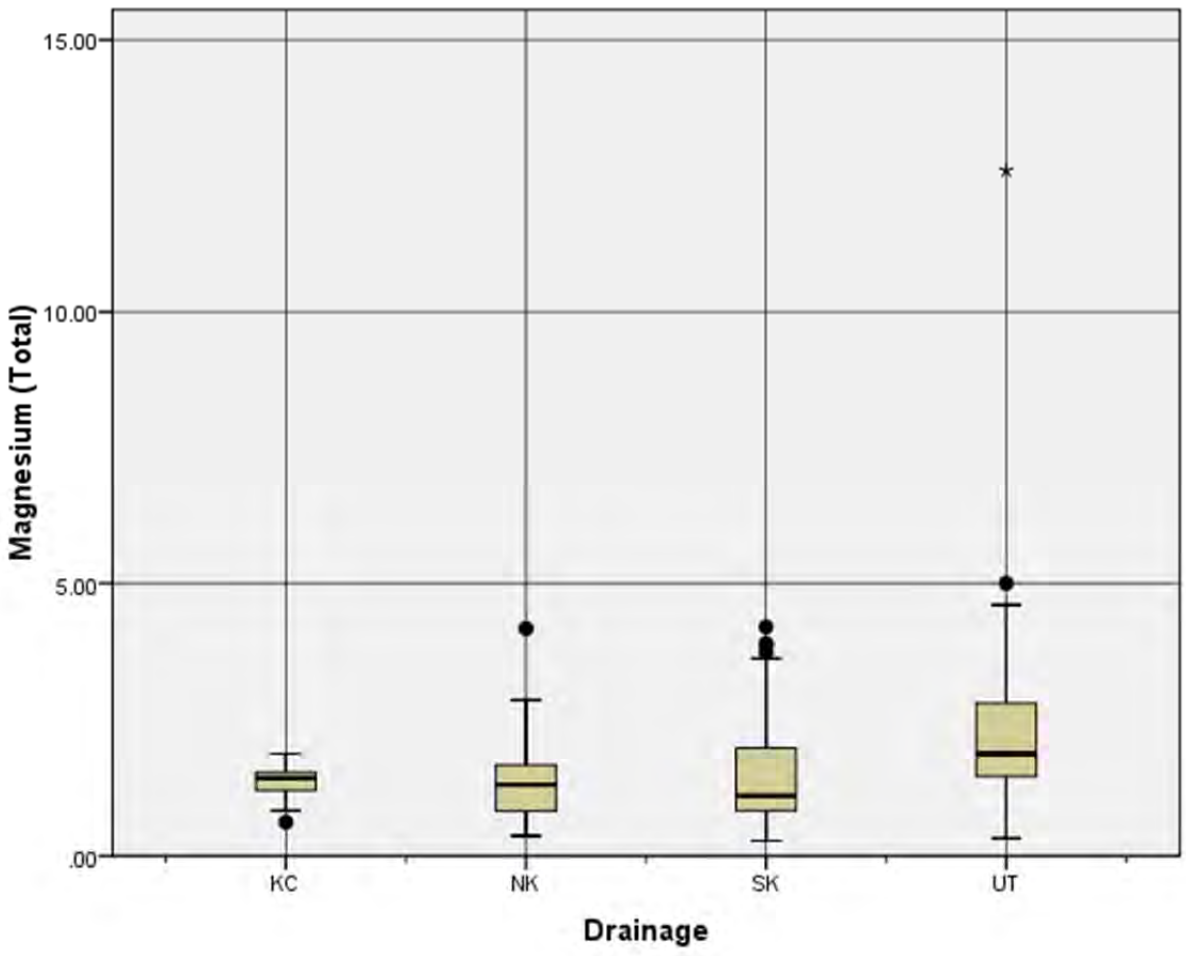

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

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KC = Kaskanak Creek, NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik.

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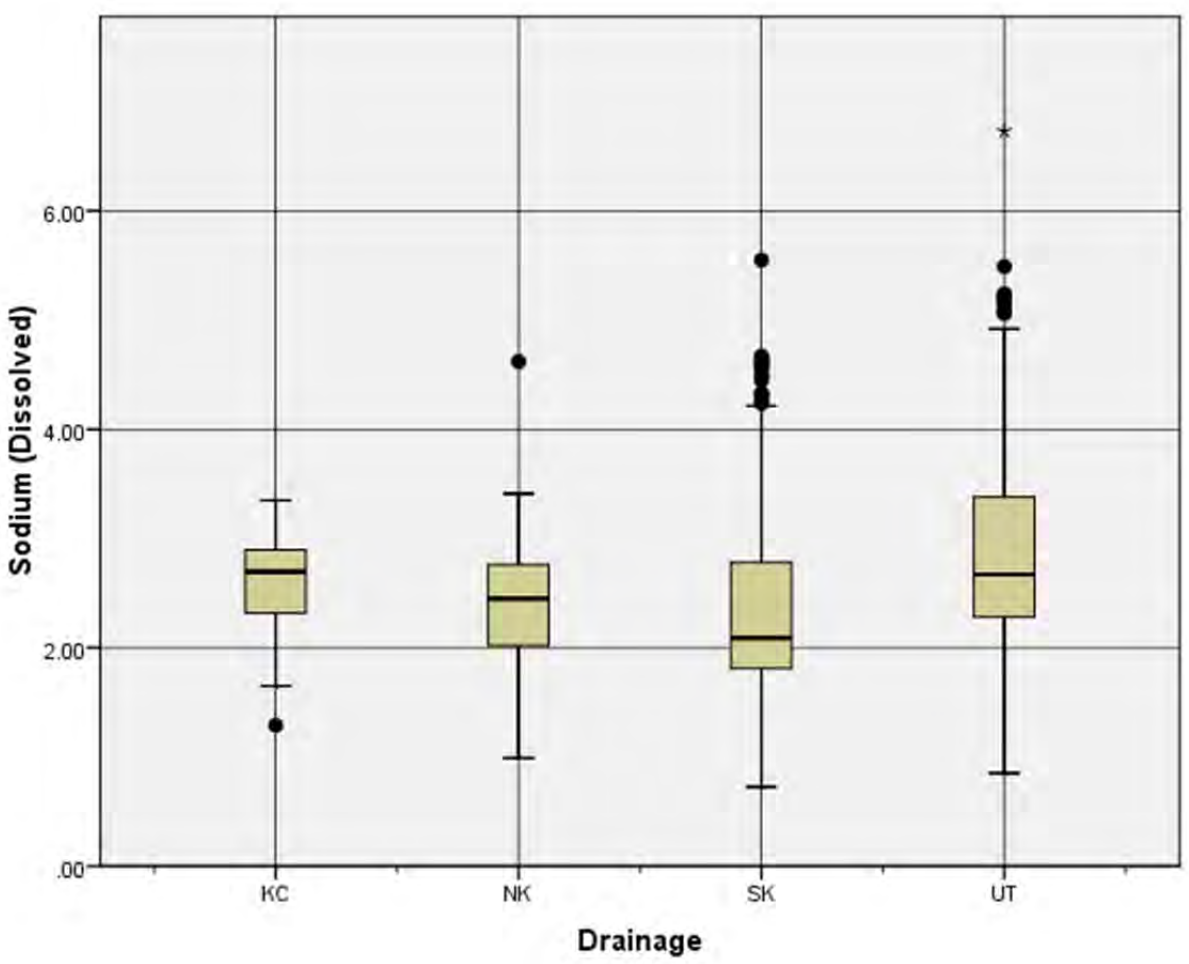

Notes:

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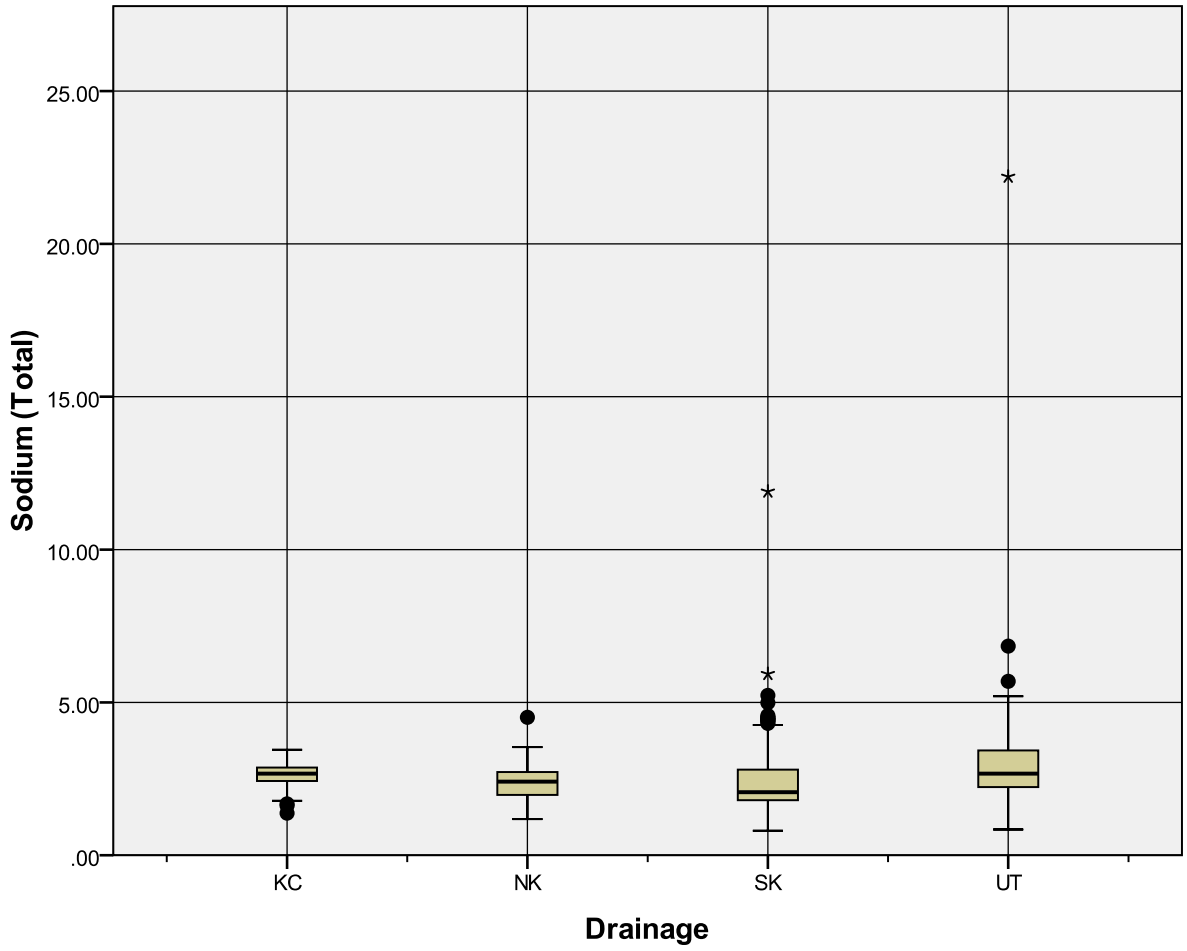

Notes:

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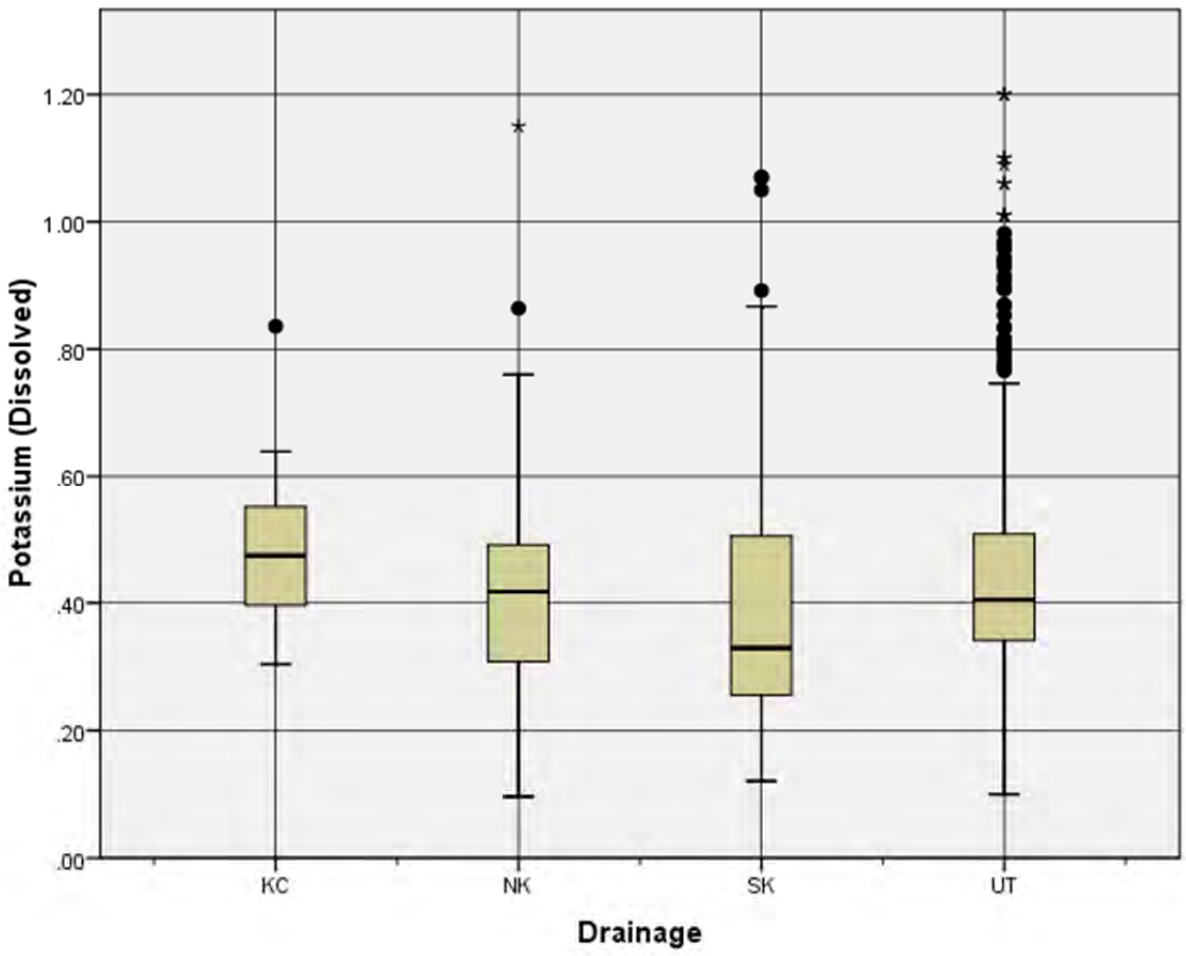

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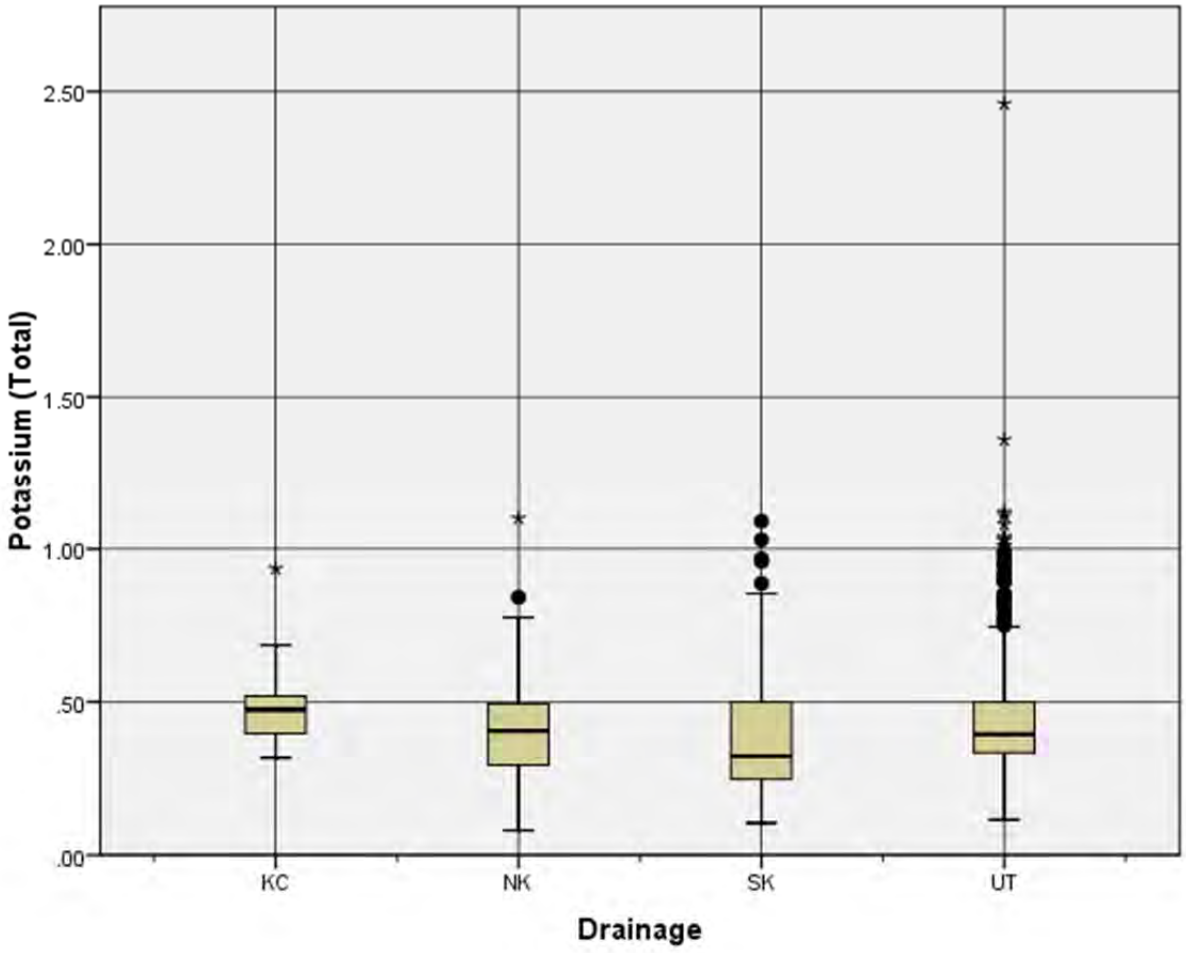

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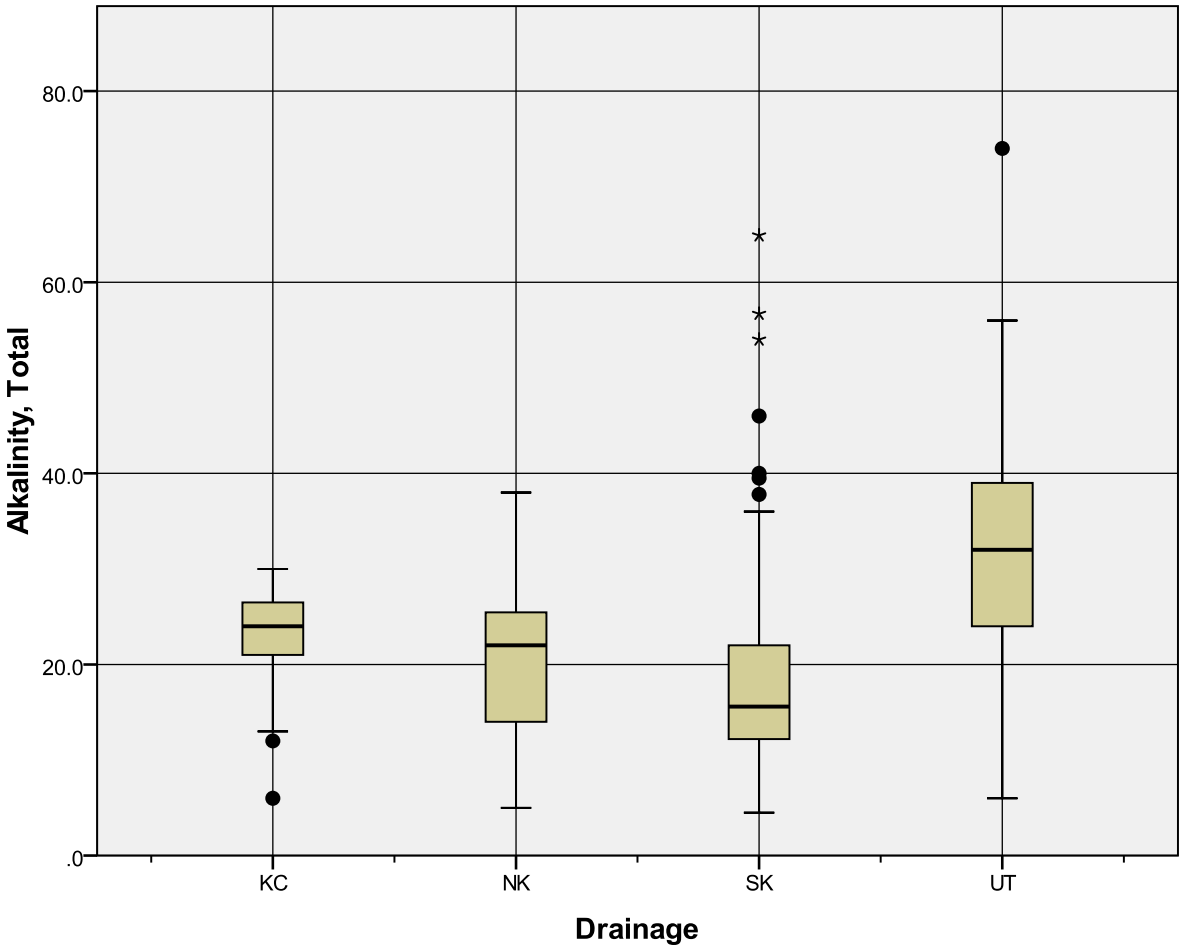

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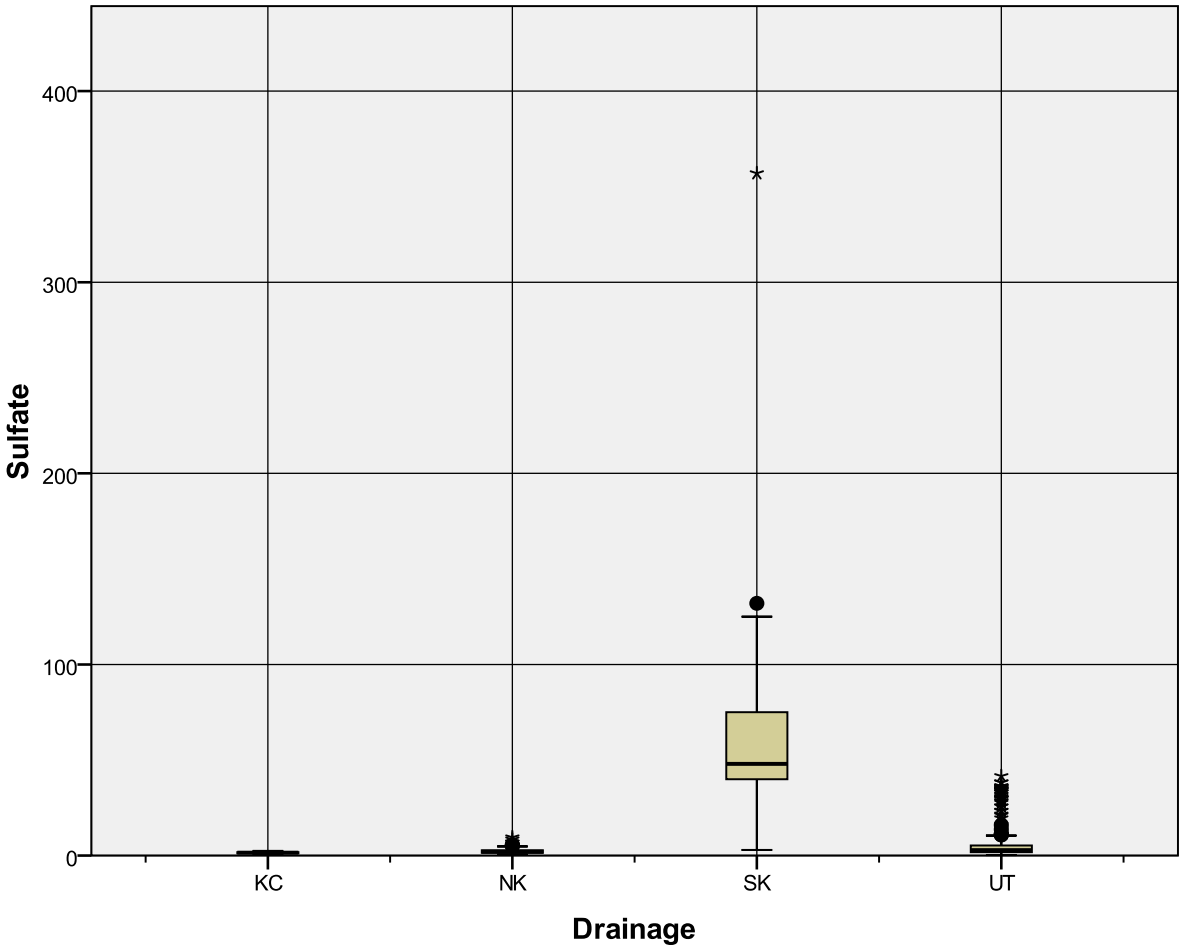

Notes:

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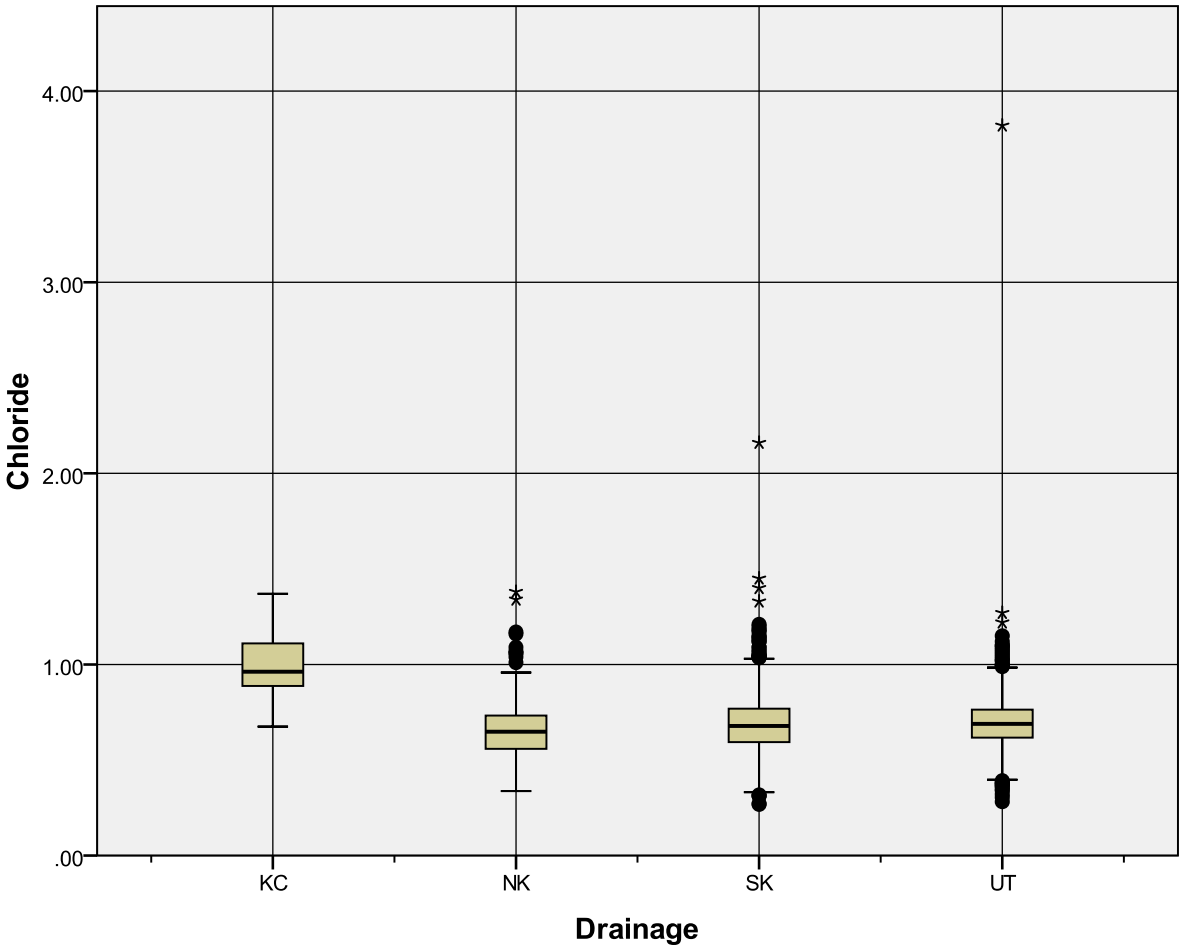

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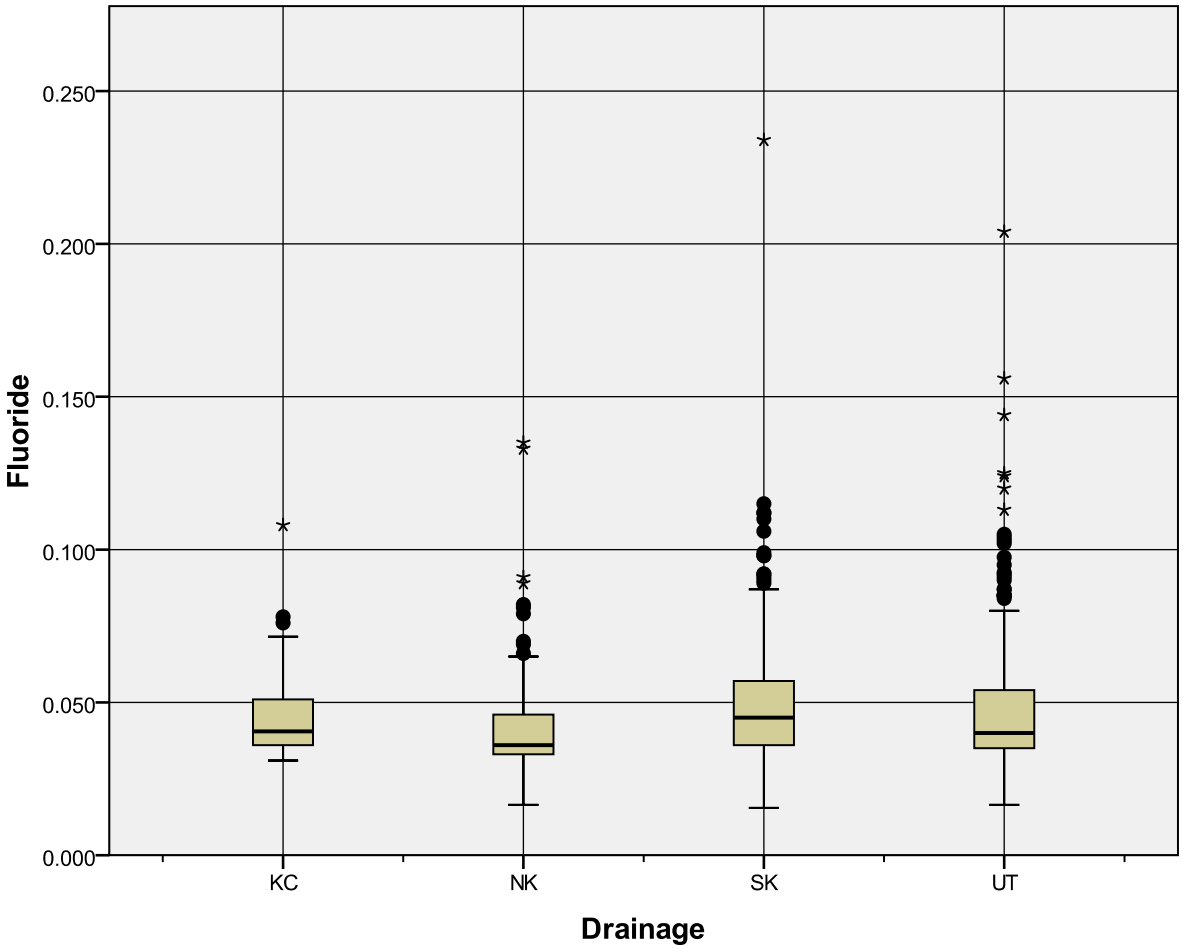

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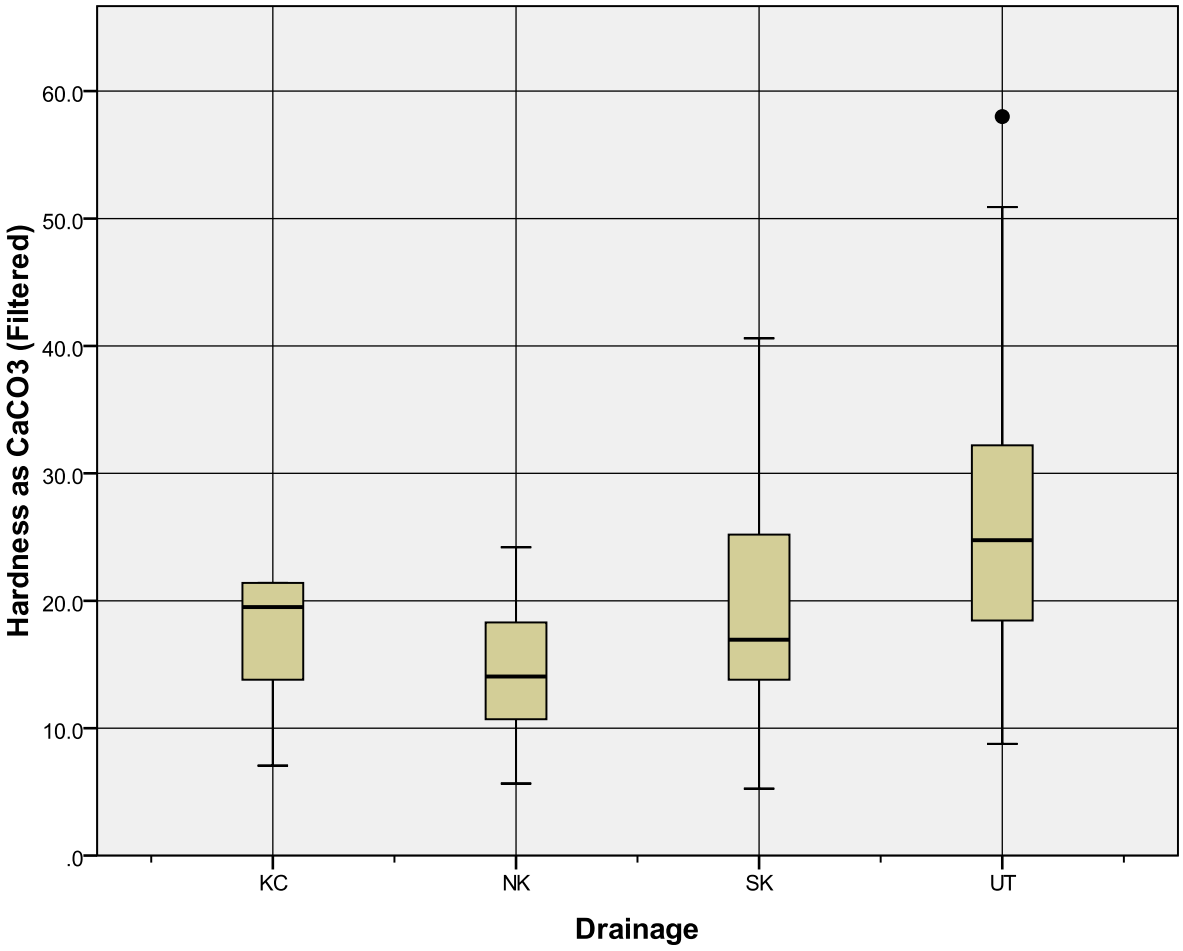

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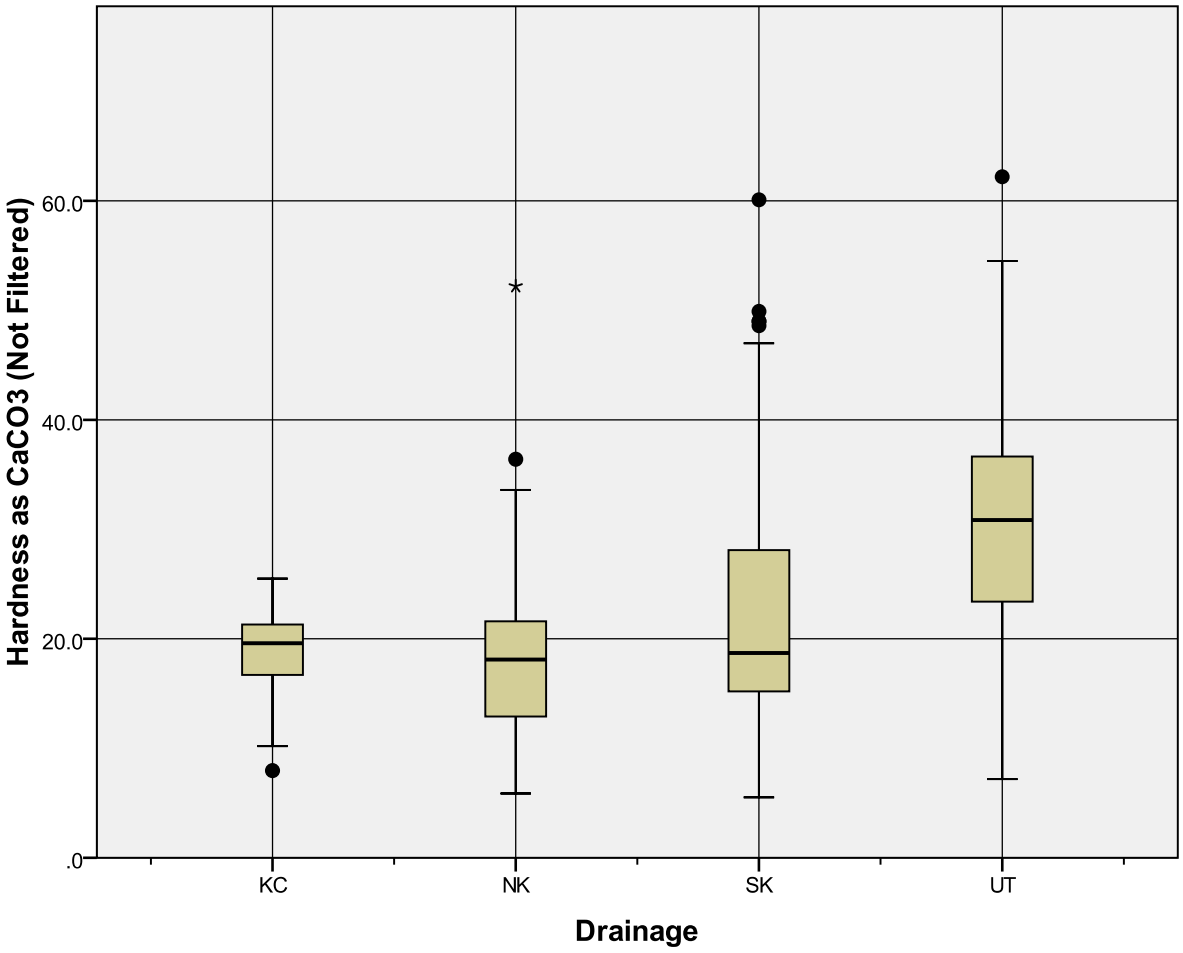

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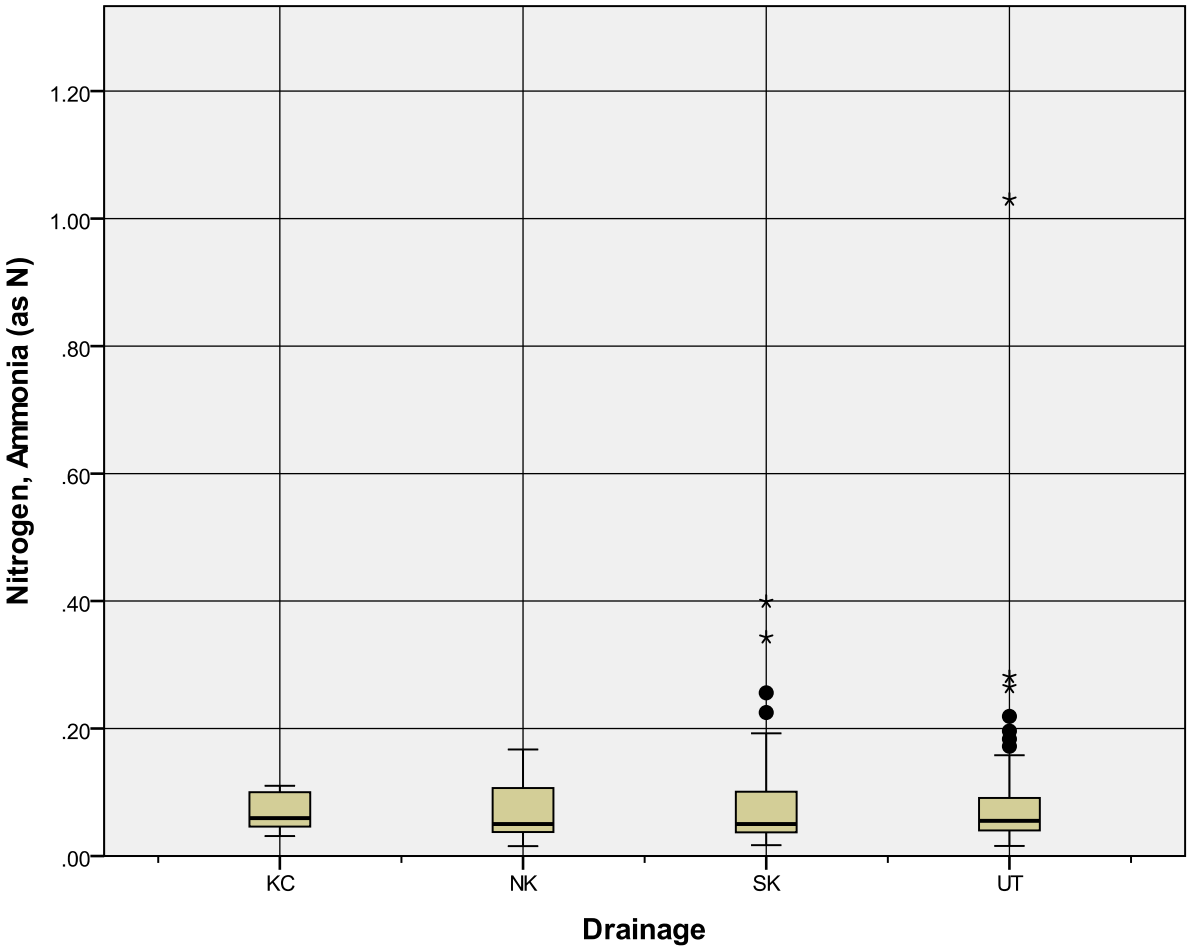

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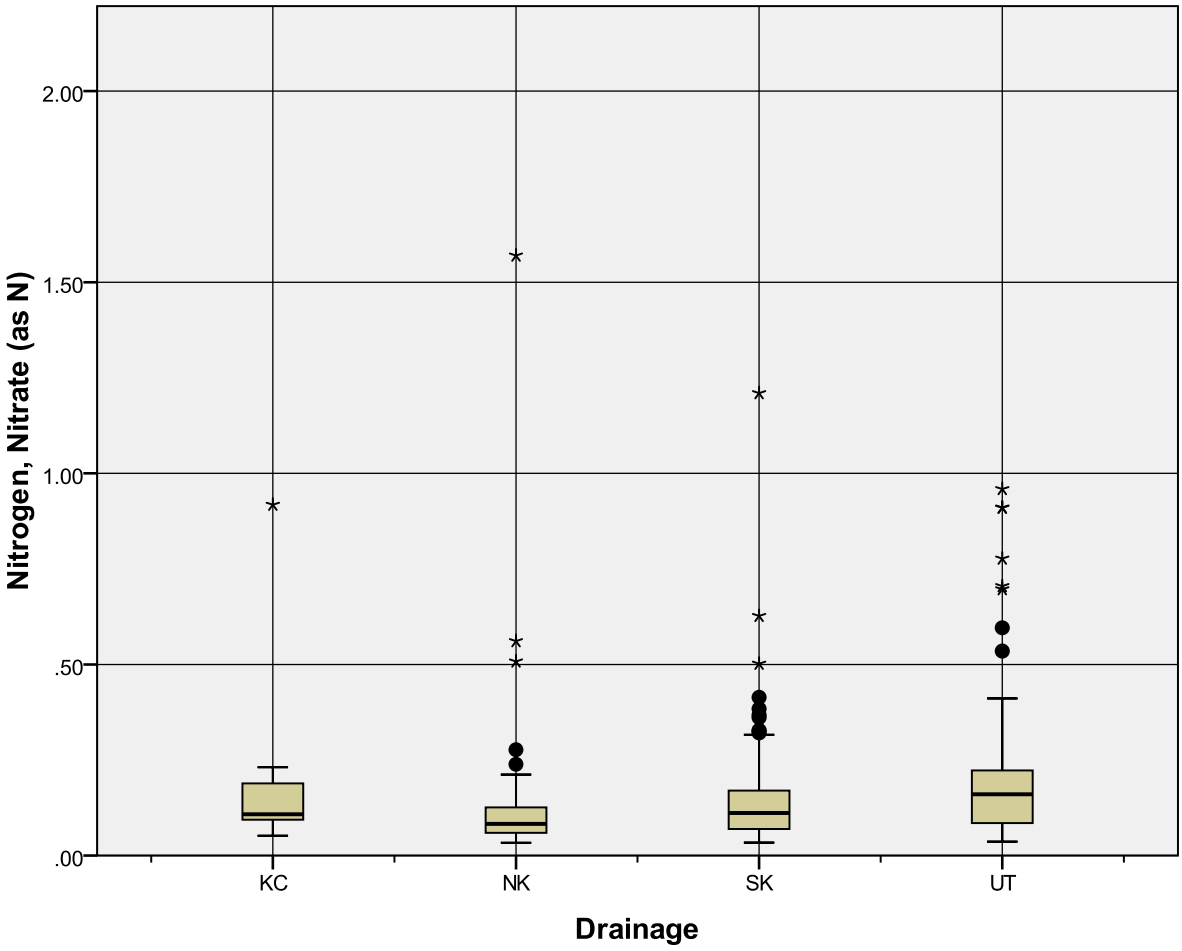

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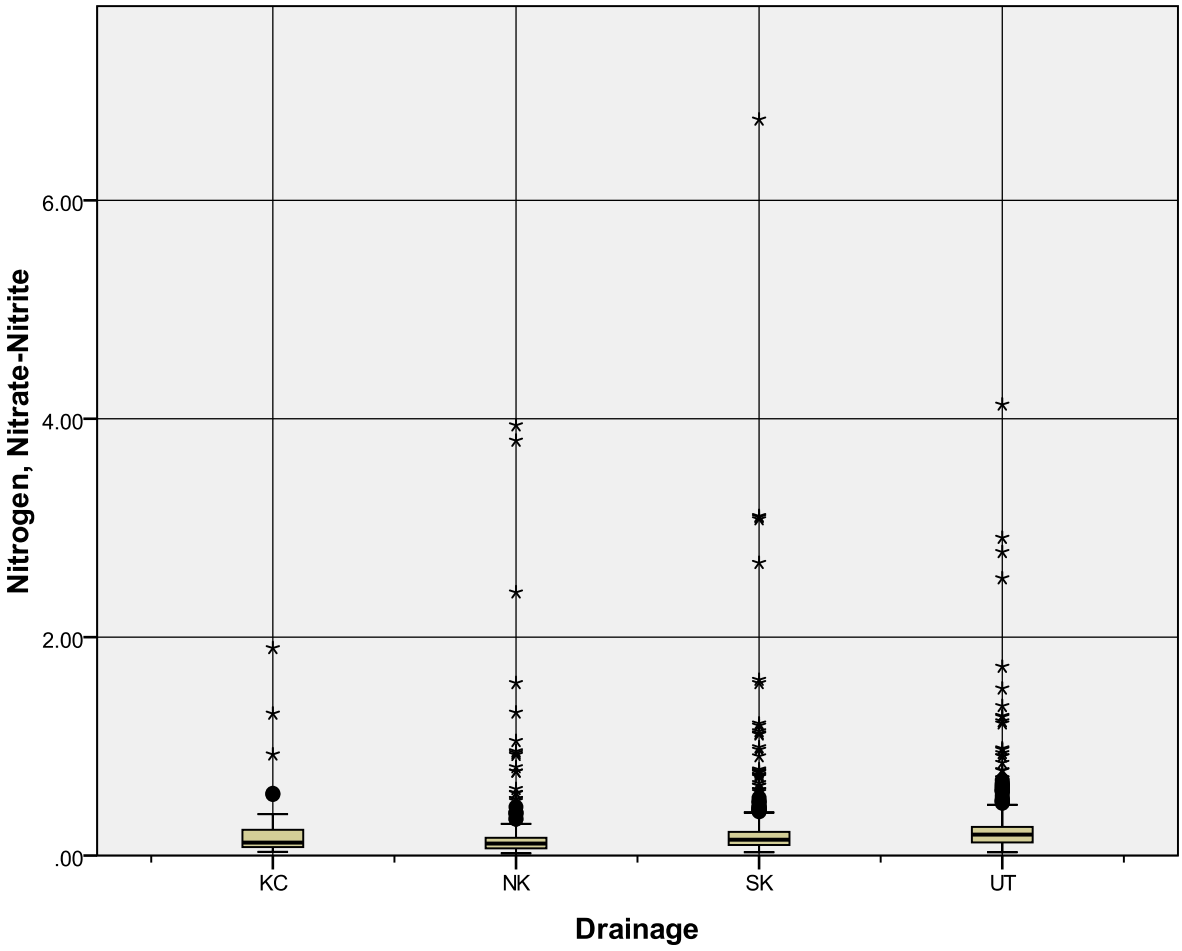

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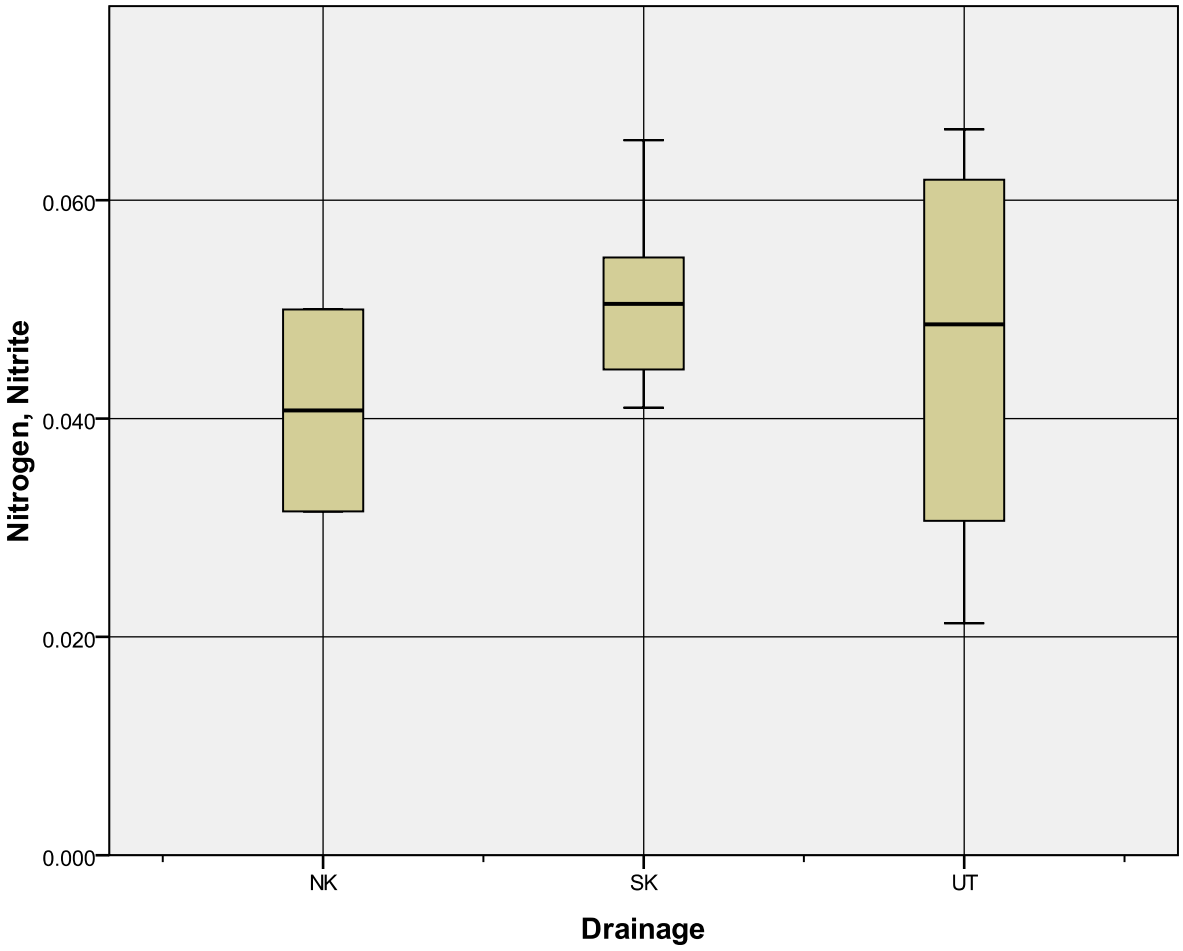

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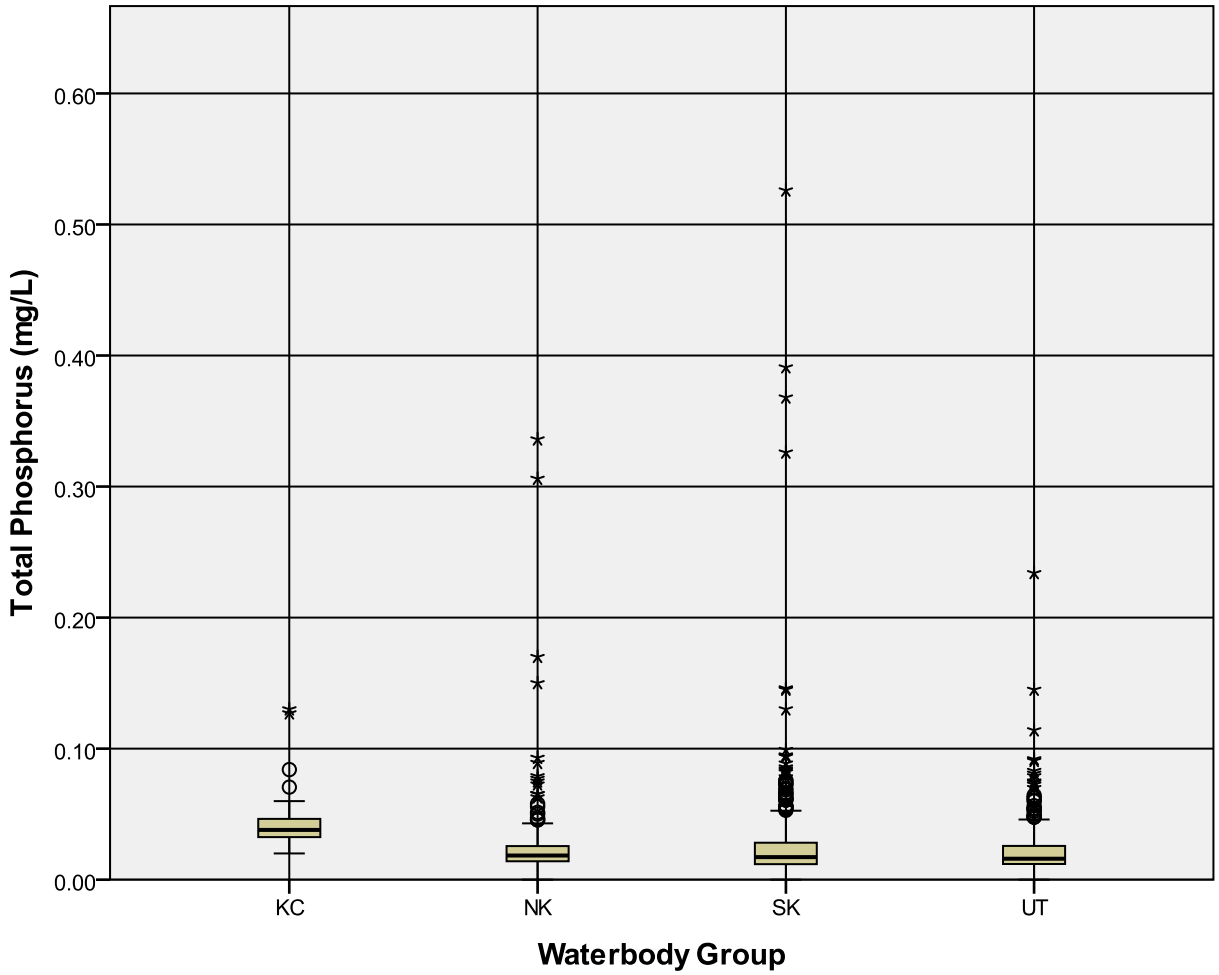

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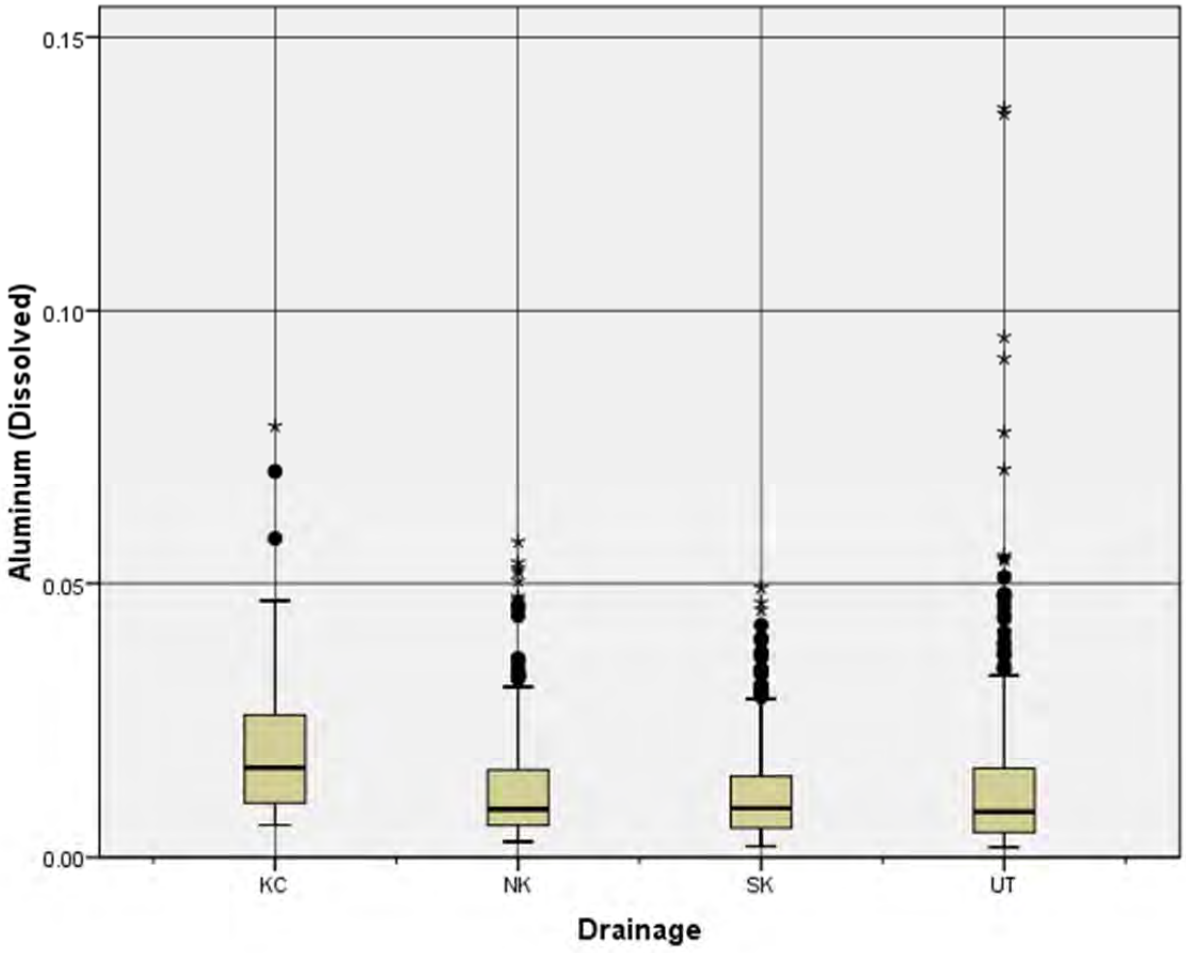

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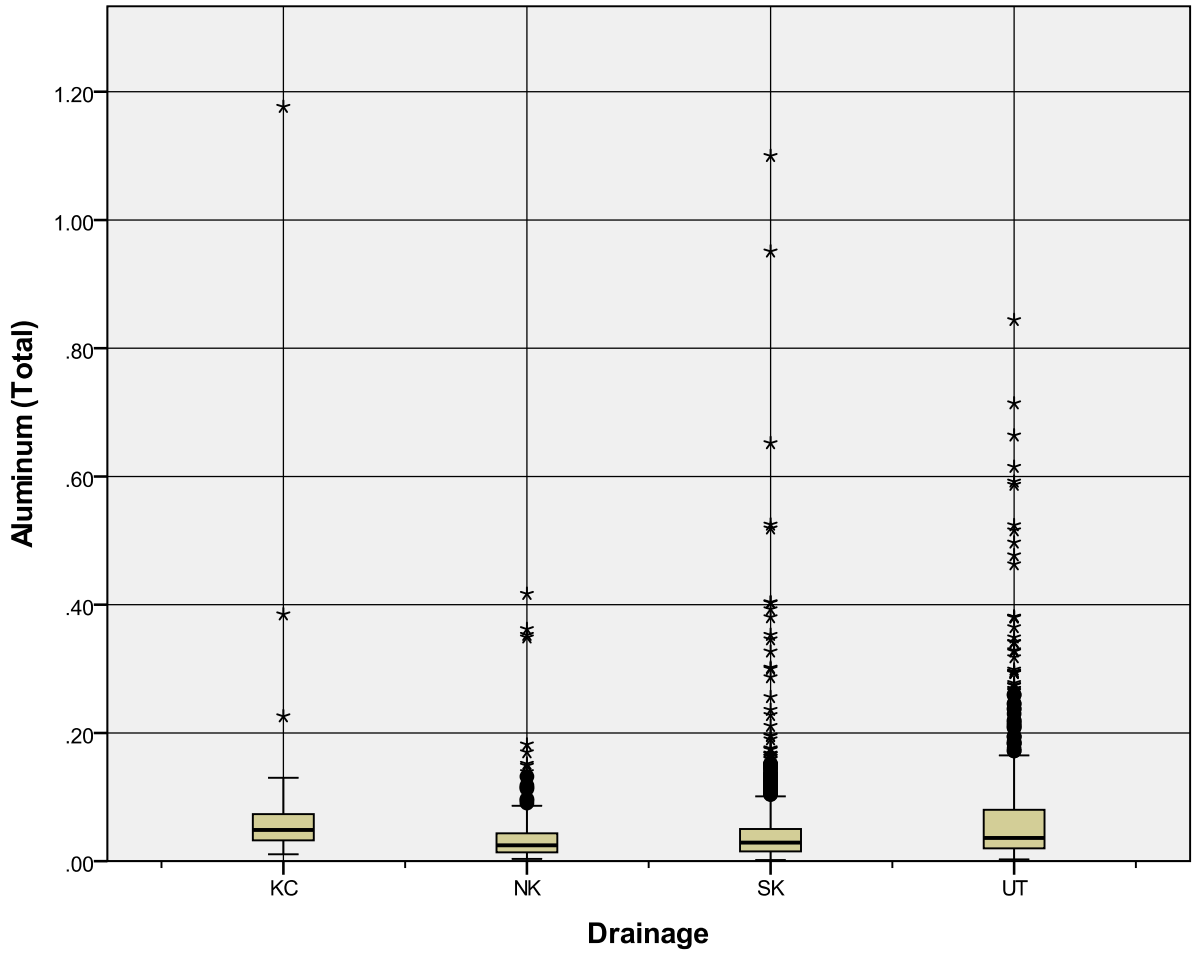

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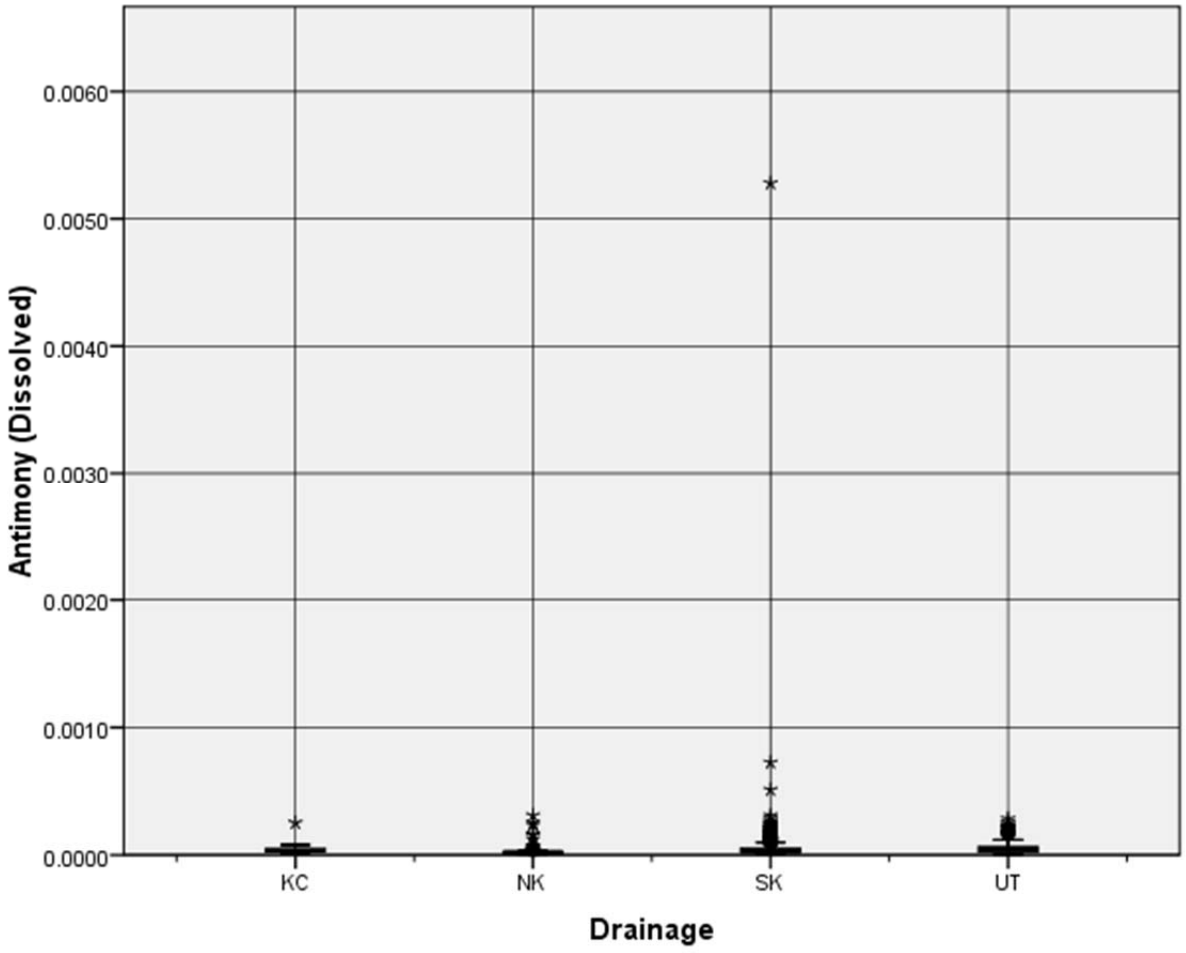

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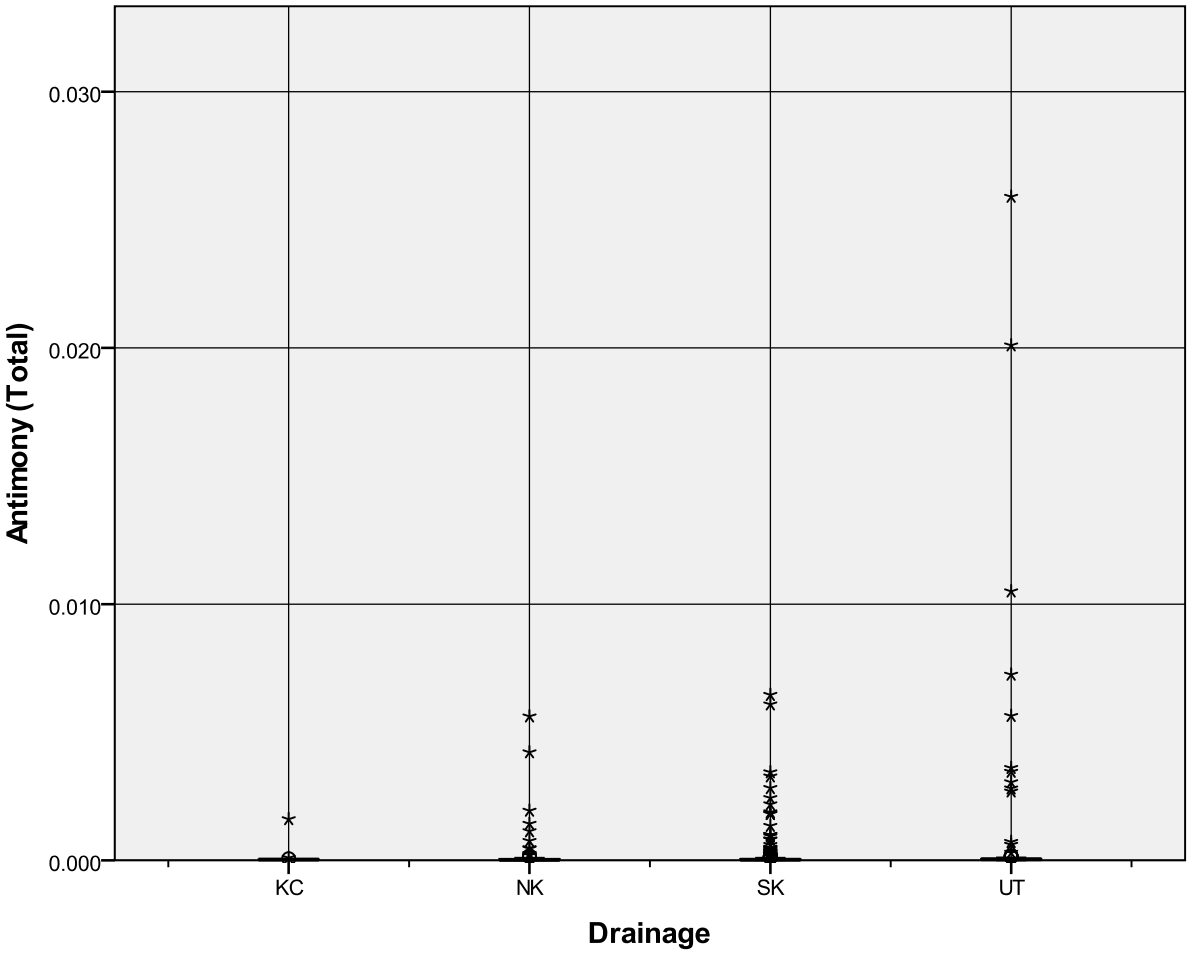

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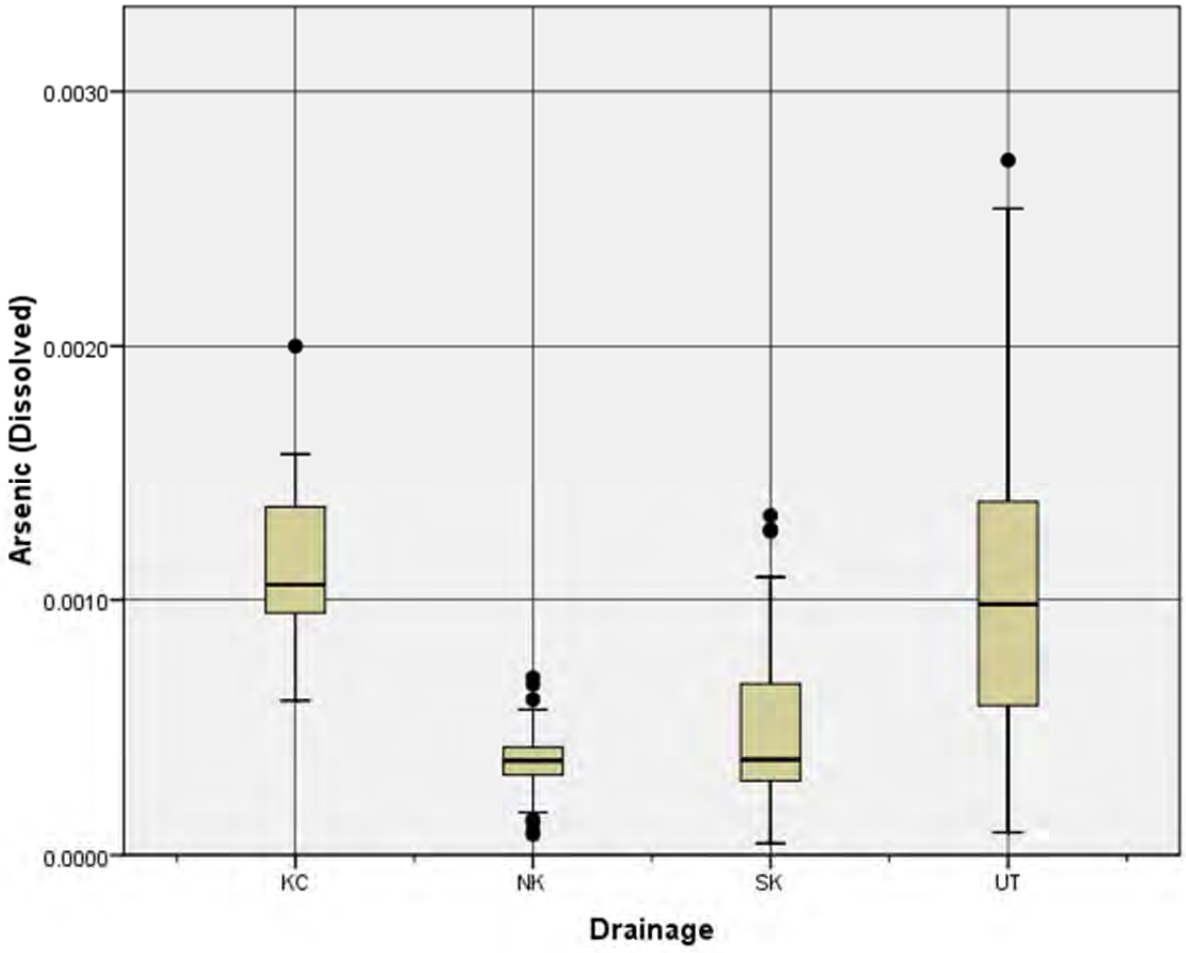

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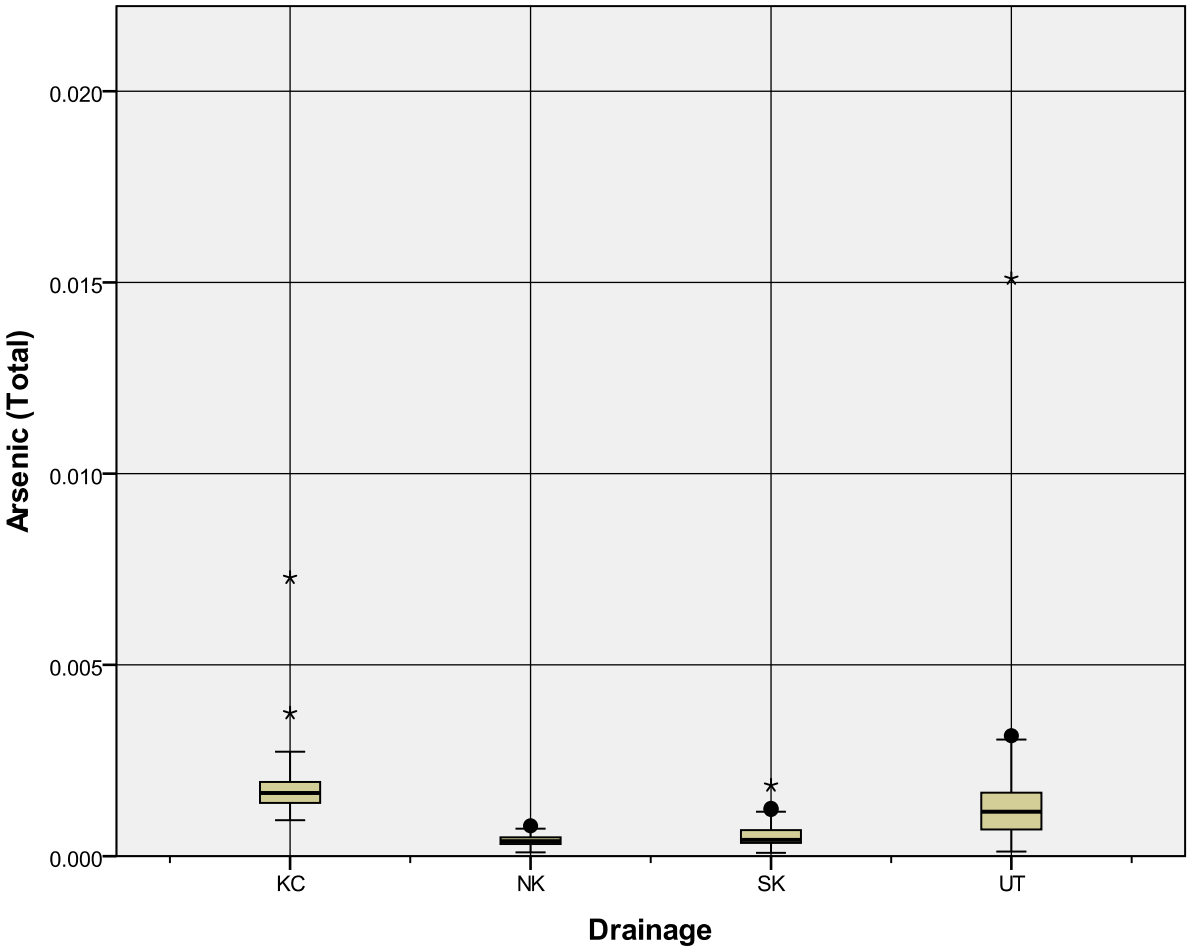

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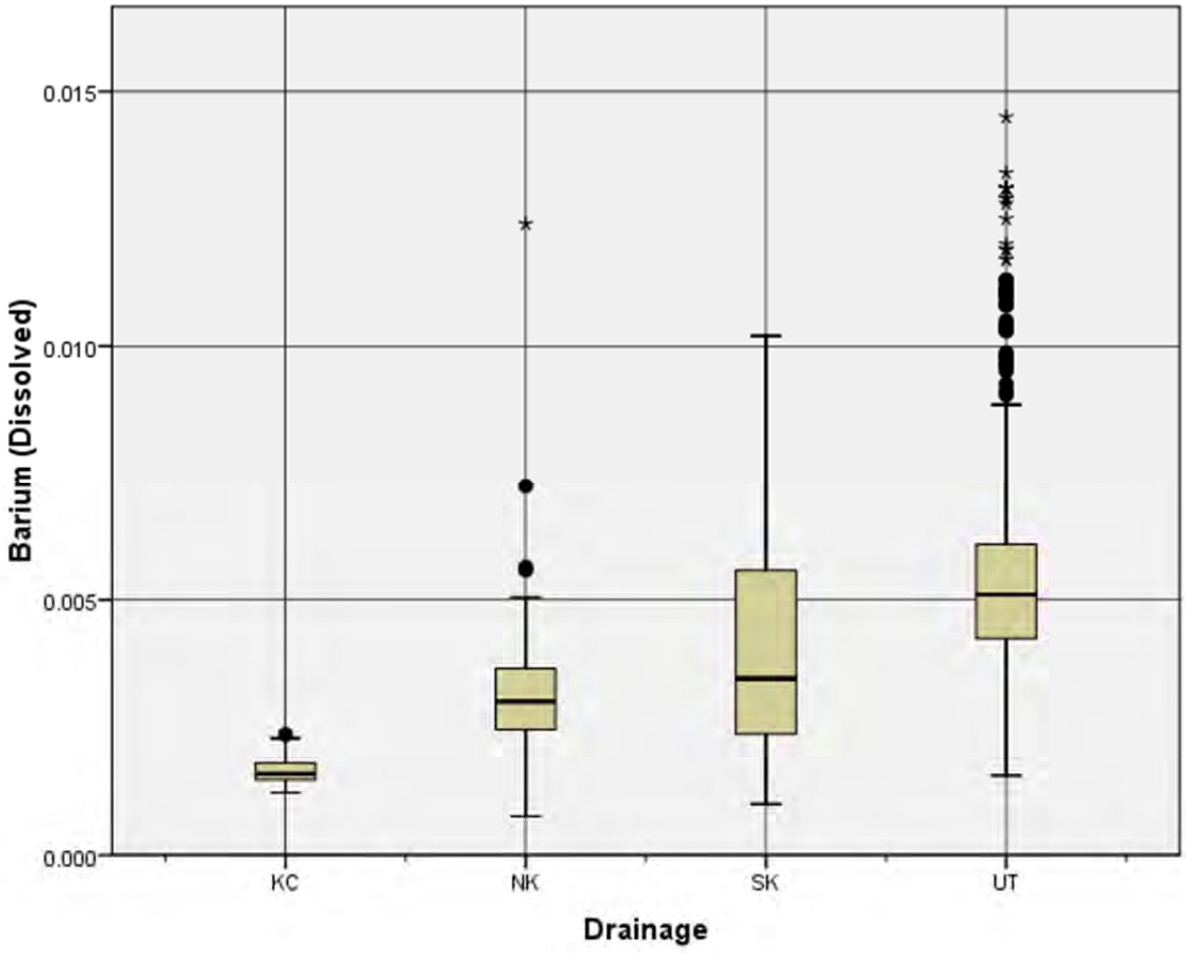

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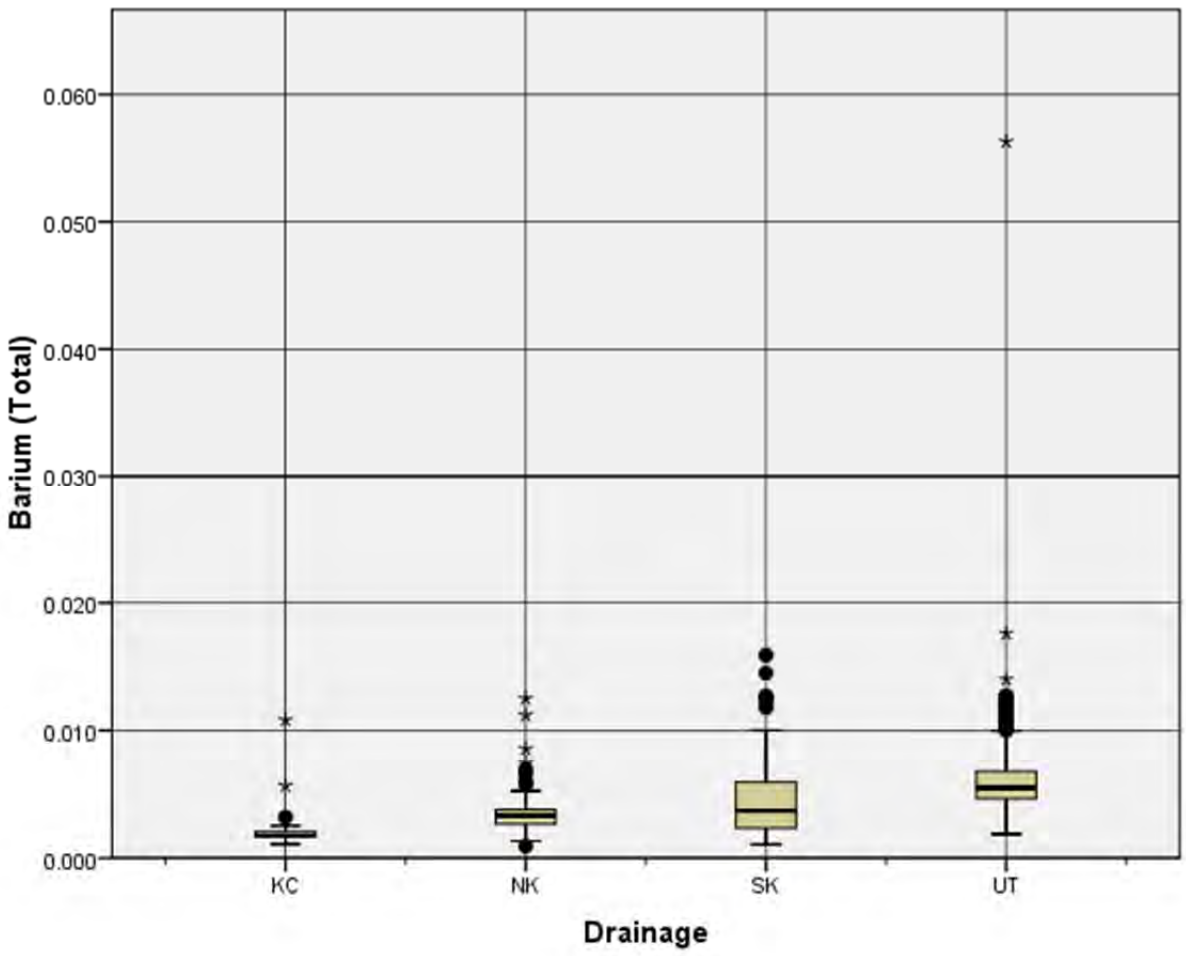

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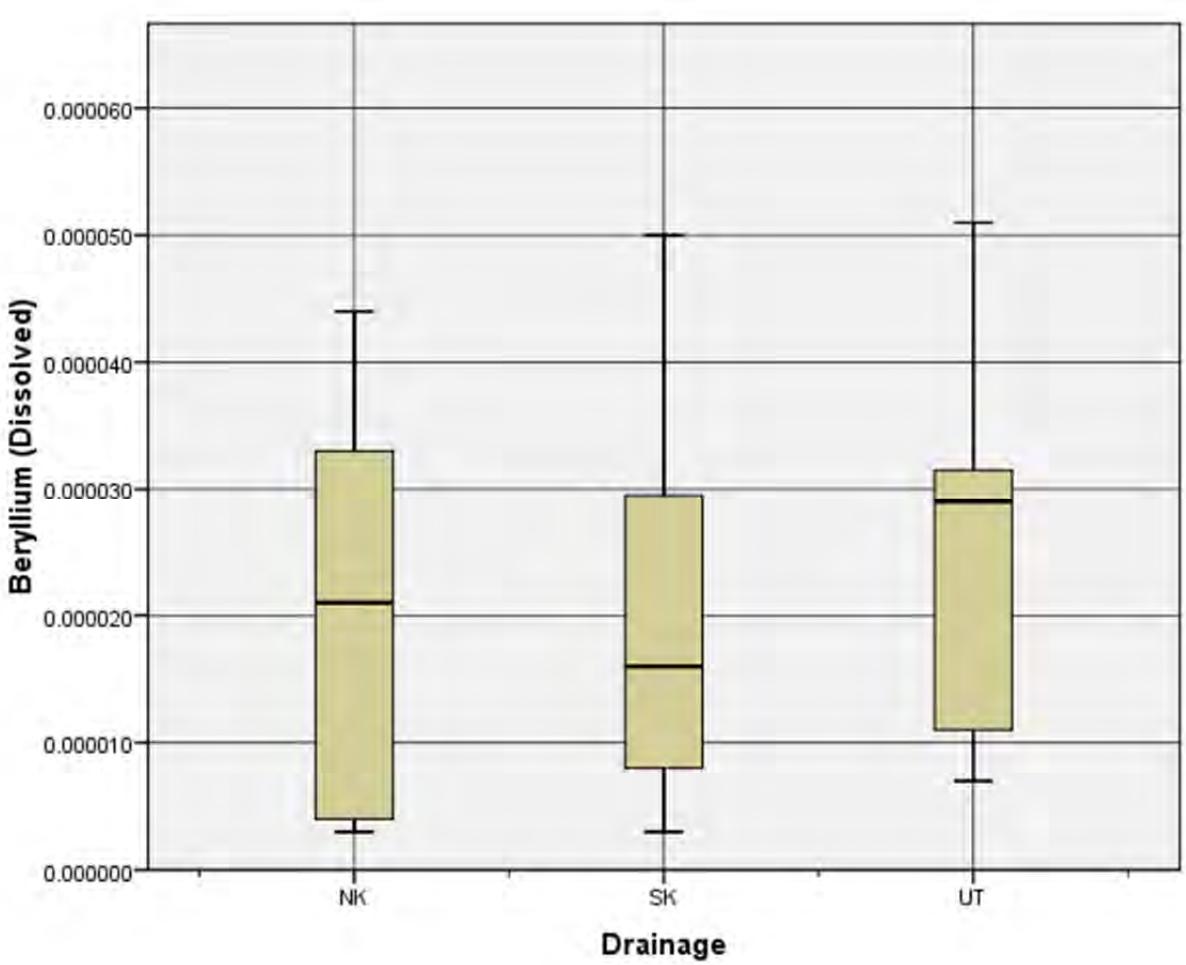

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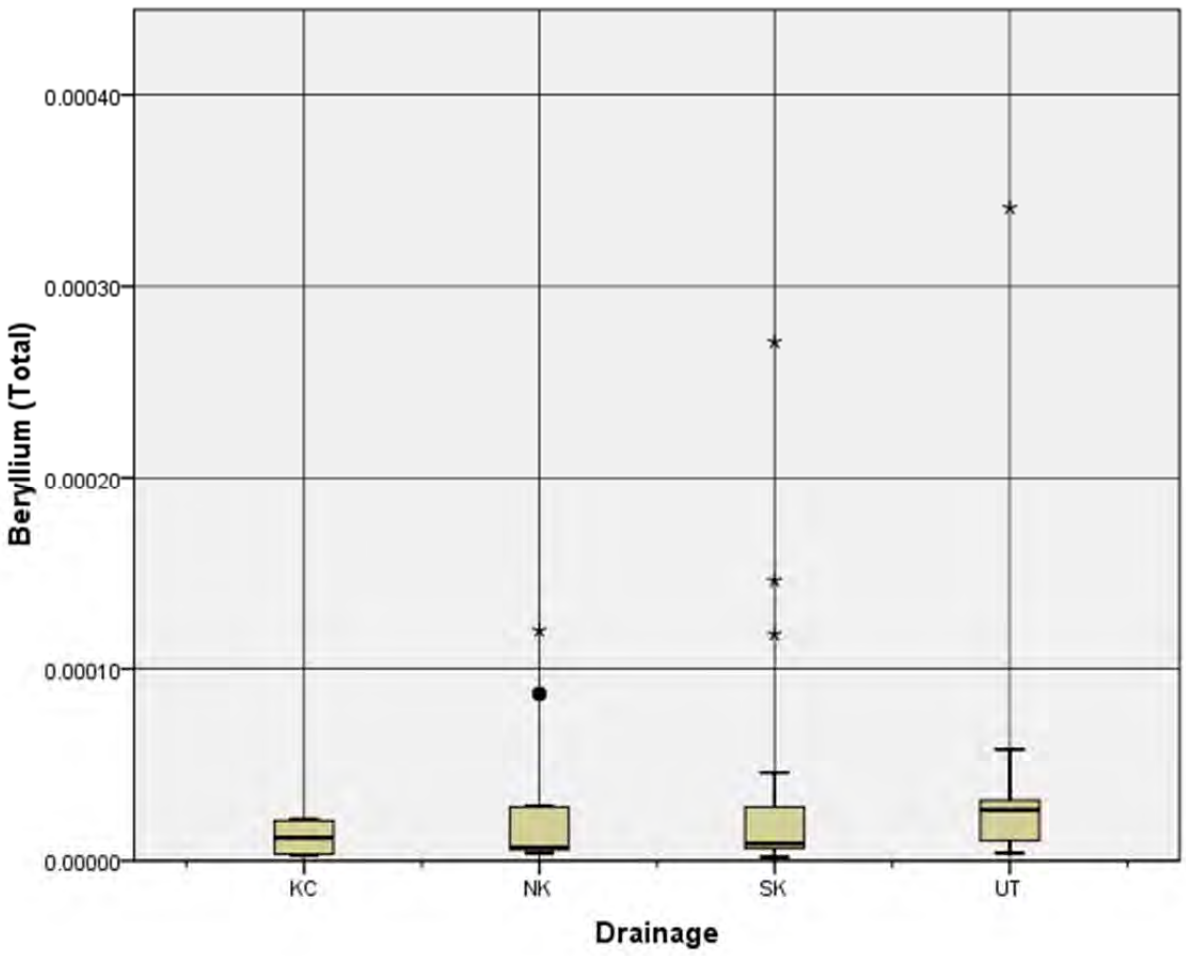

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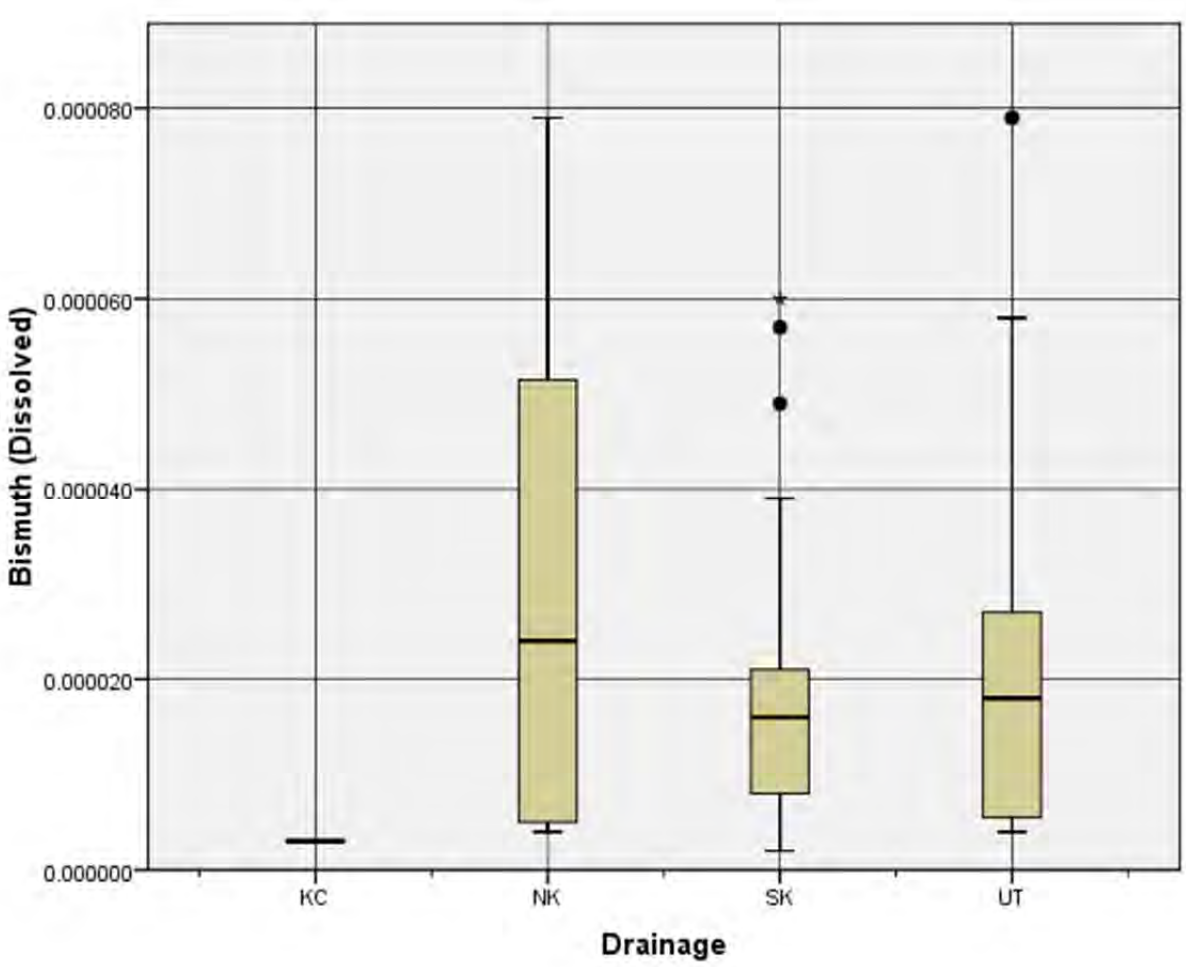

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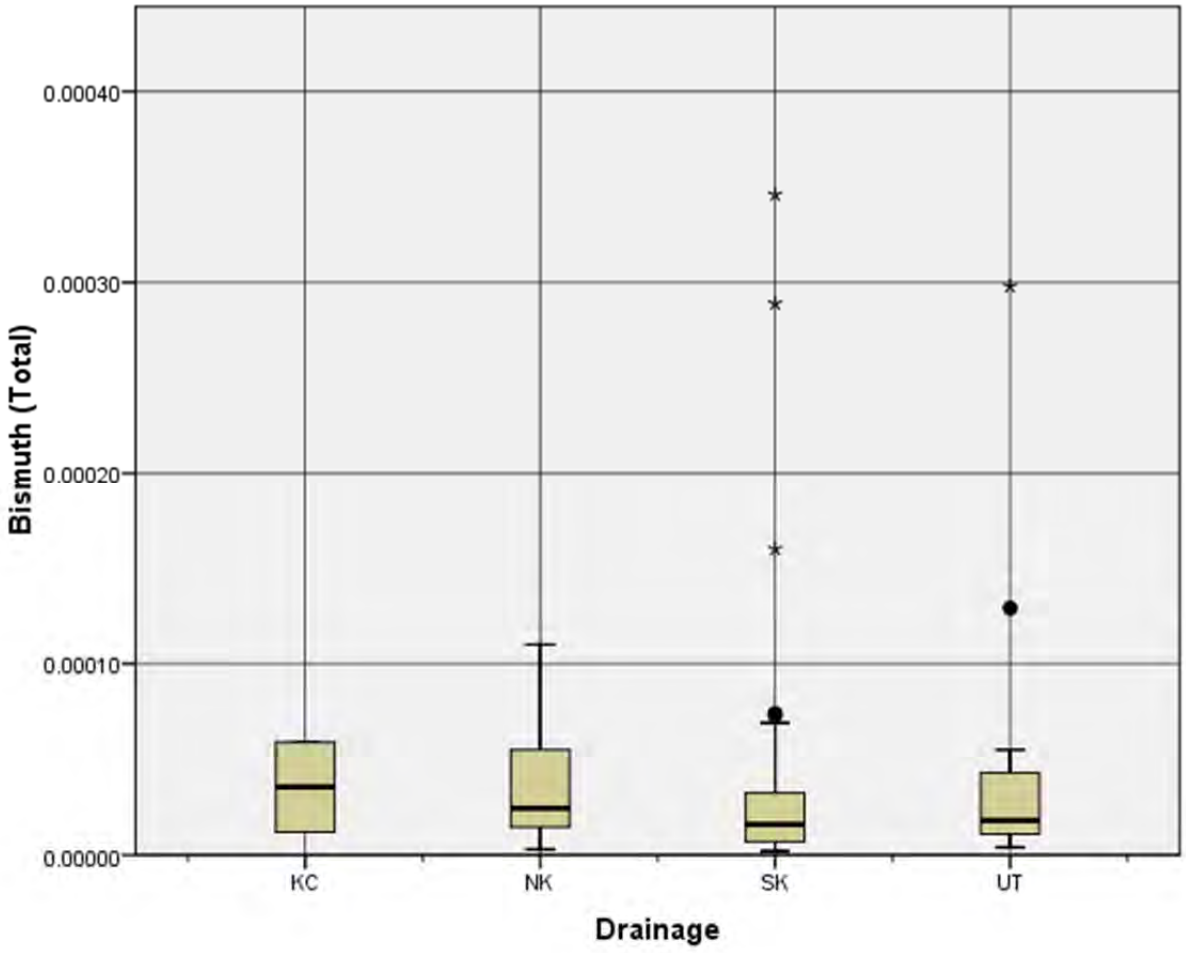

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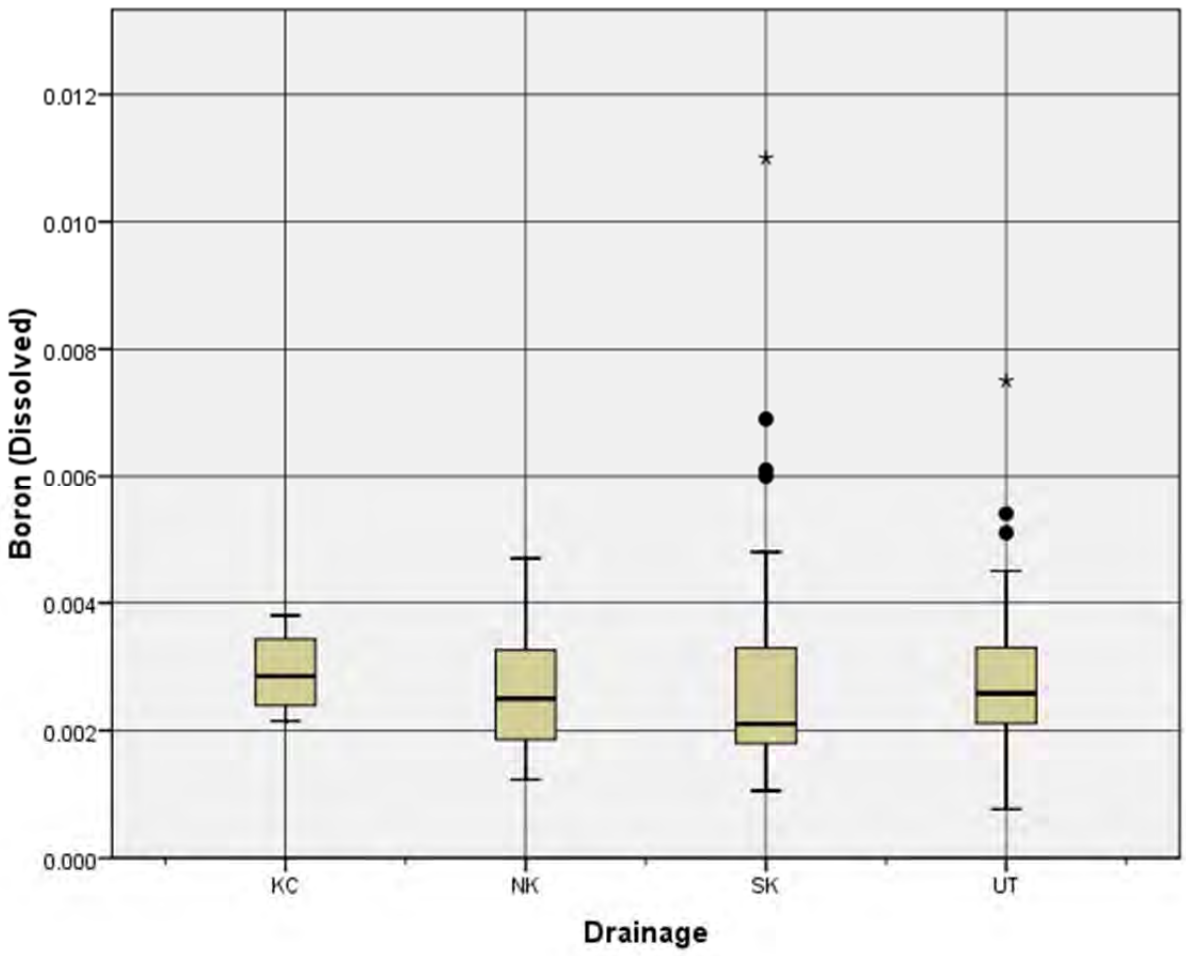

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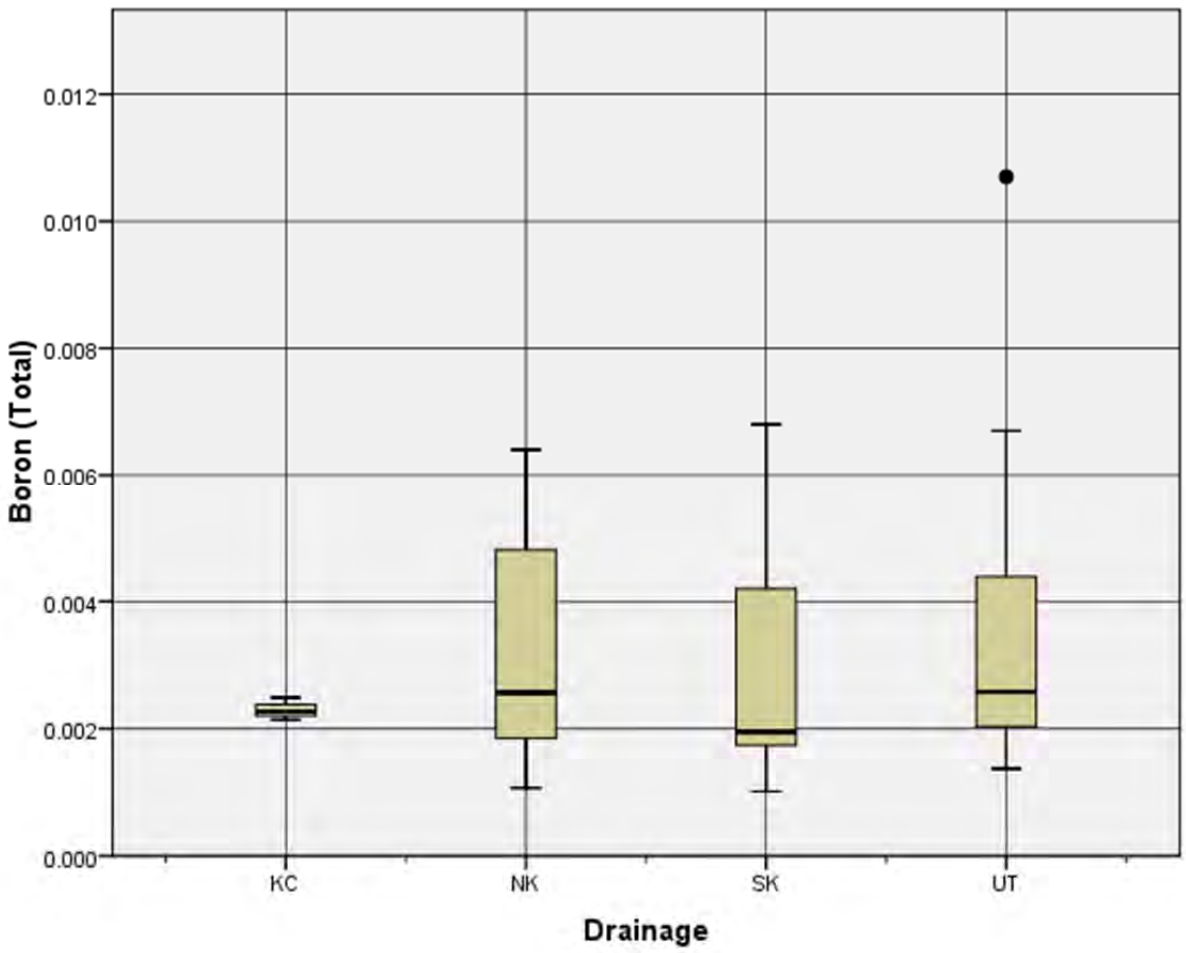

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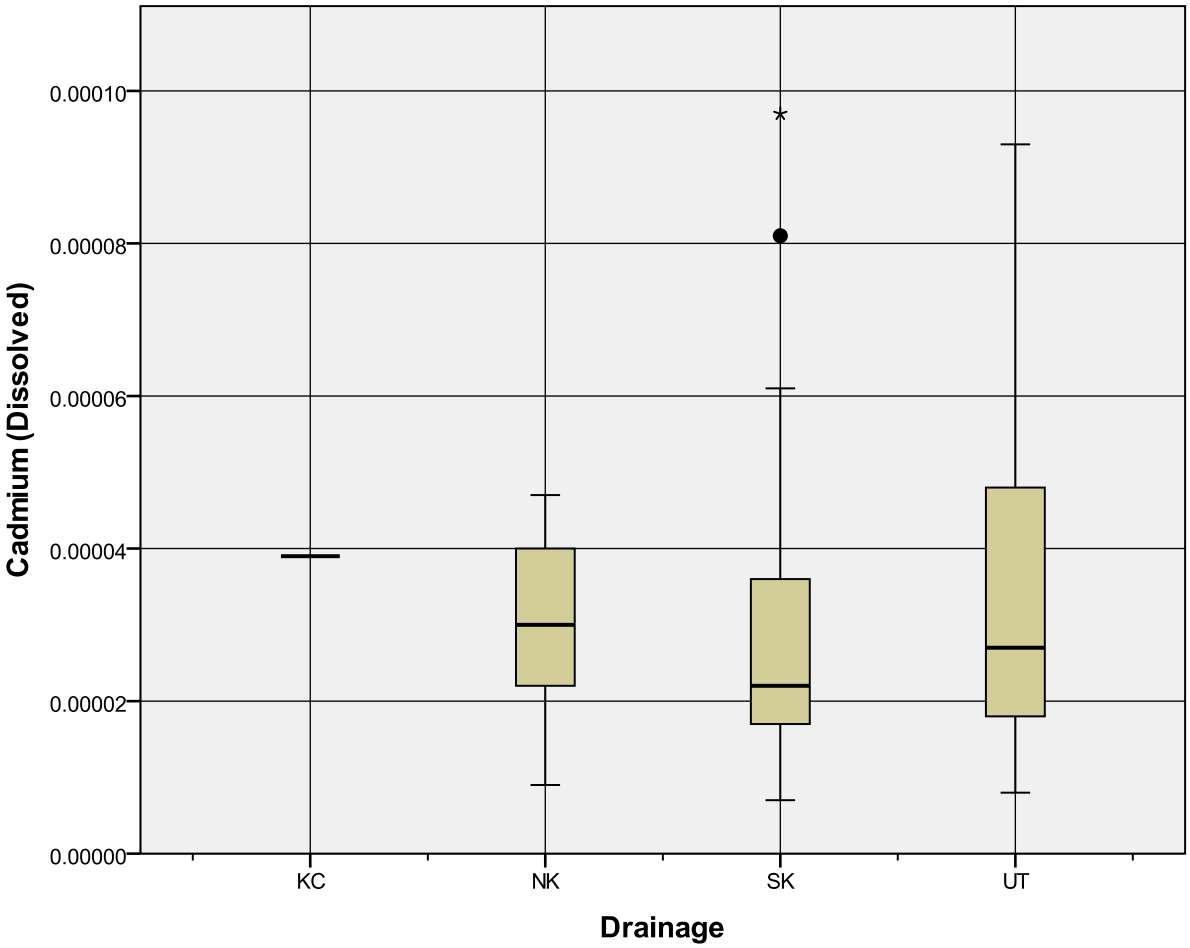

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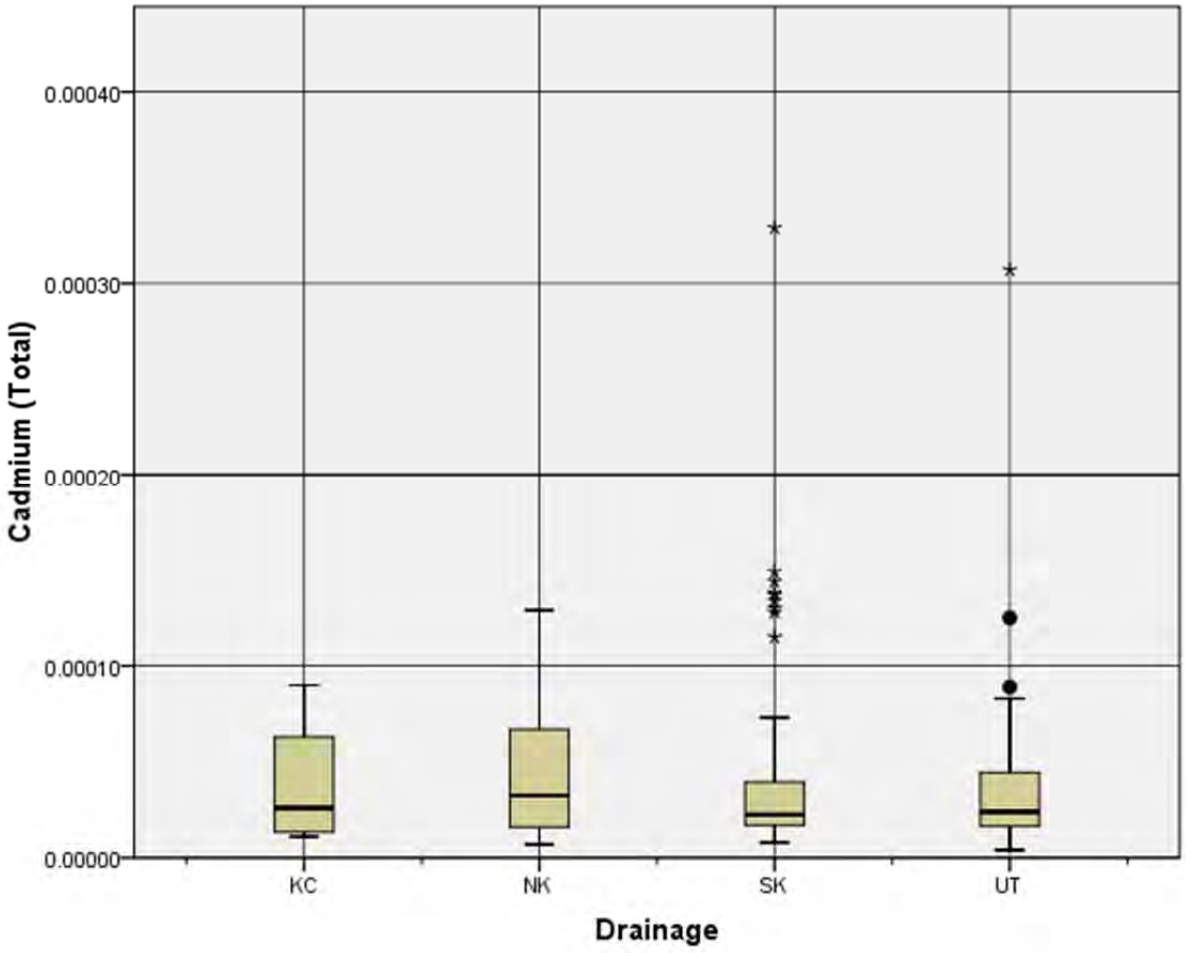

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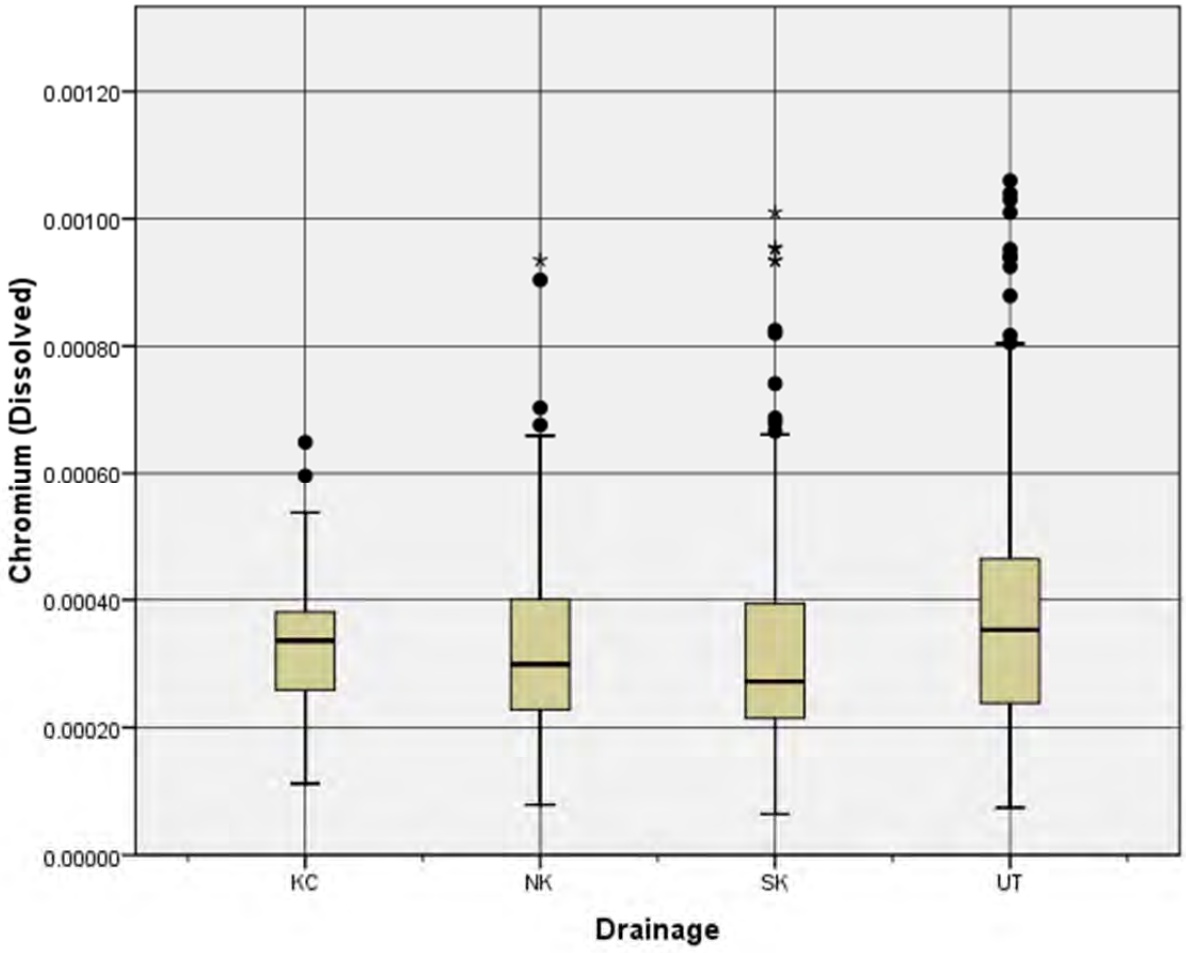

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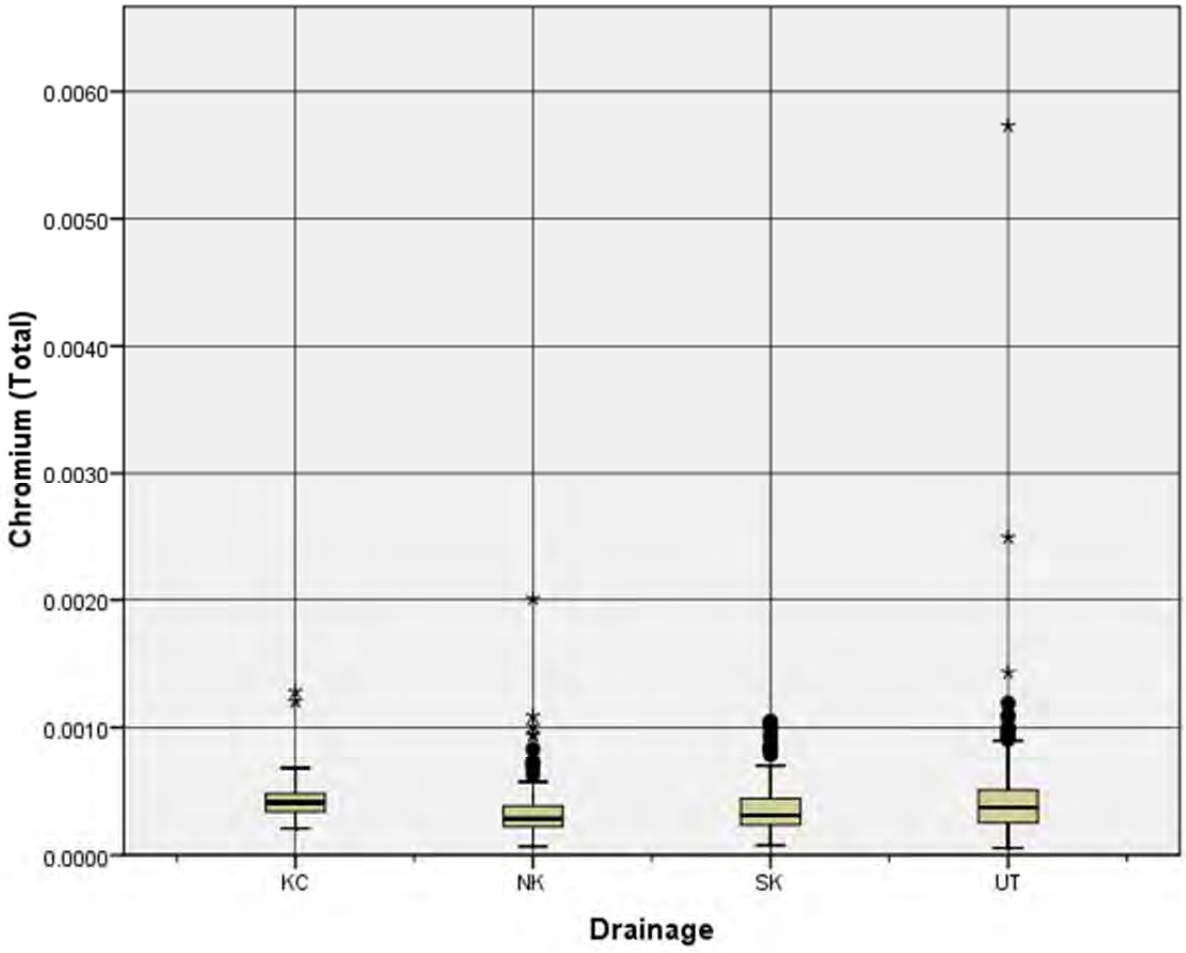

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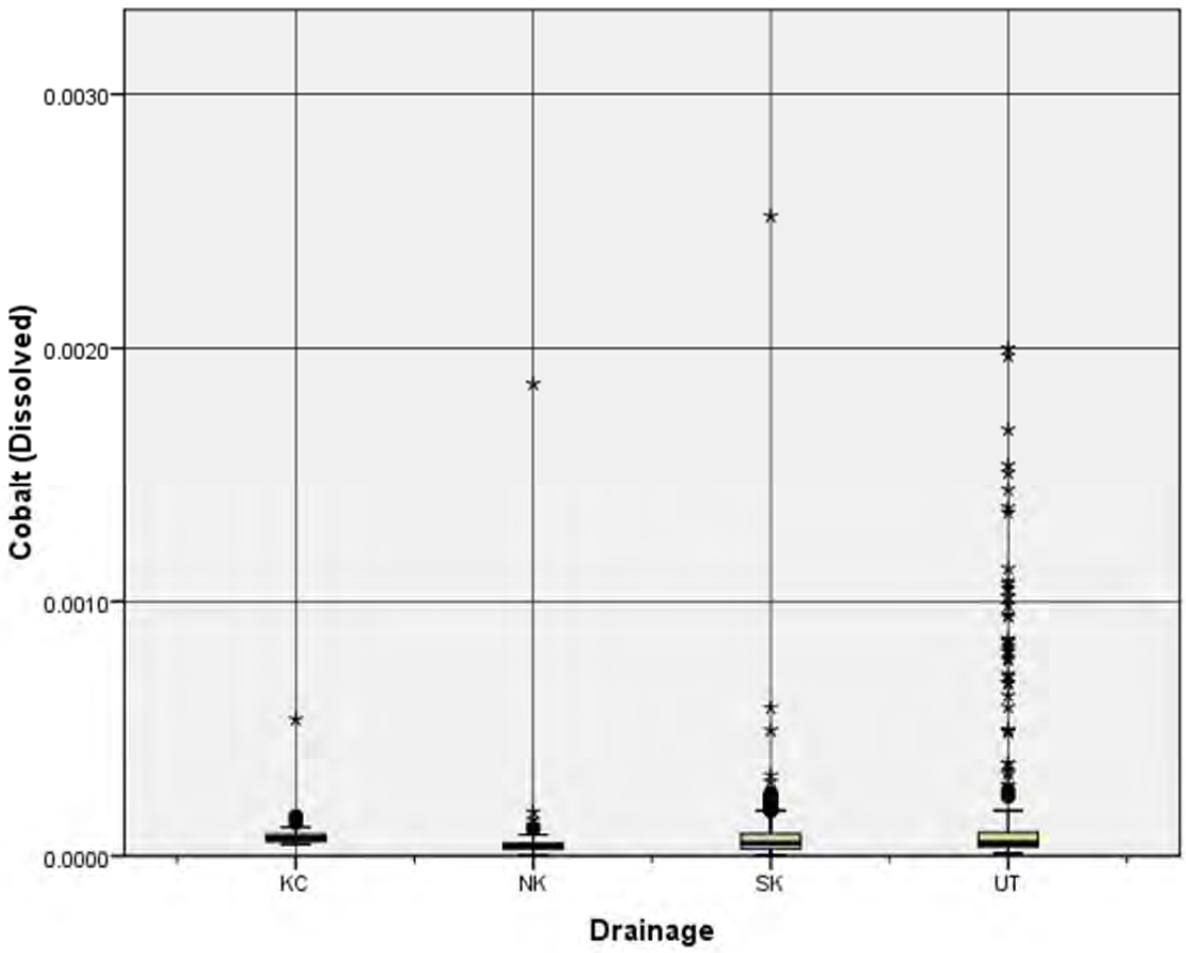

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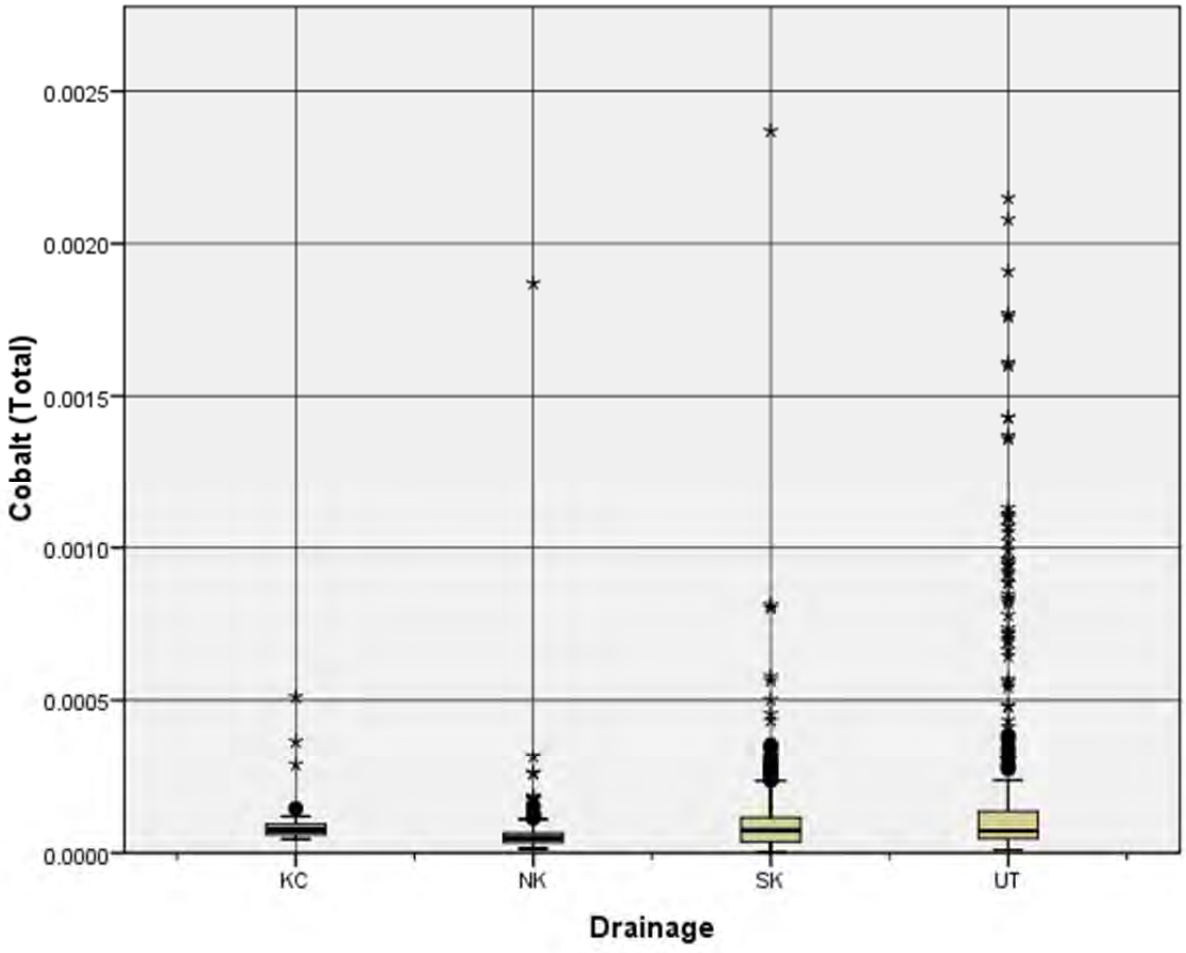

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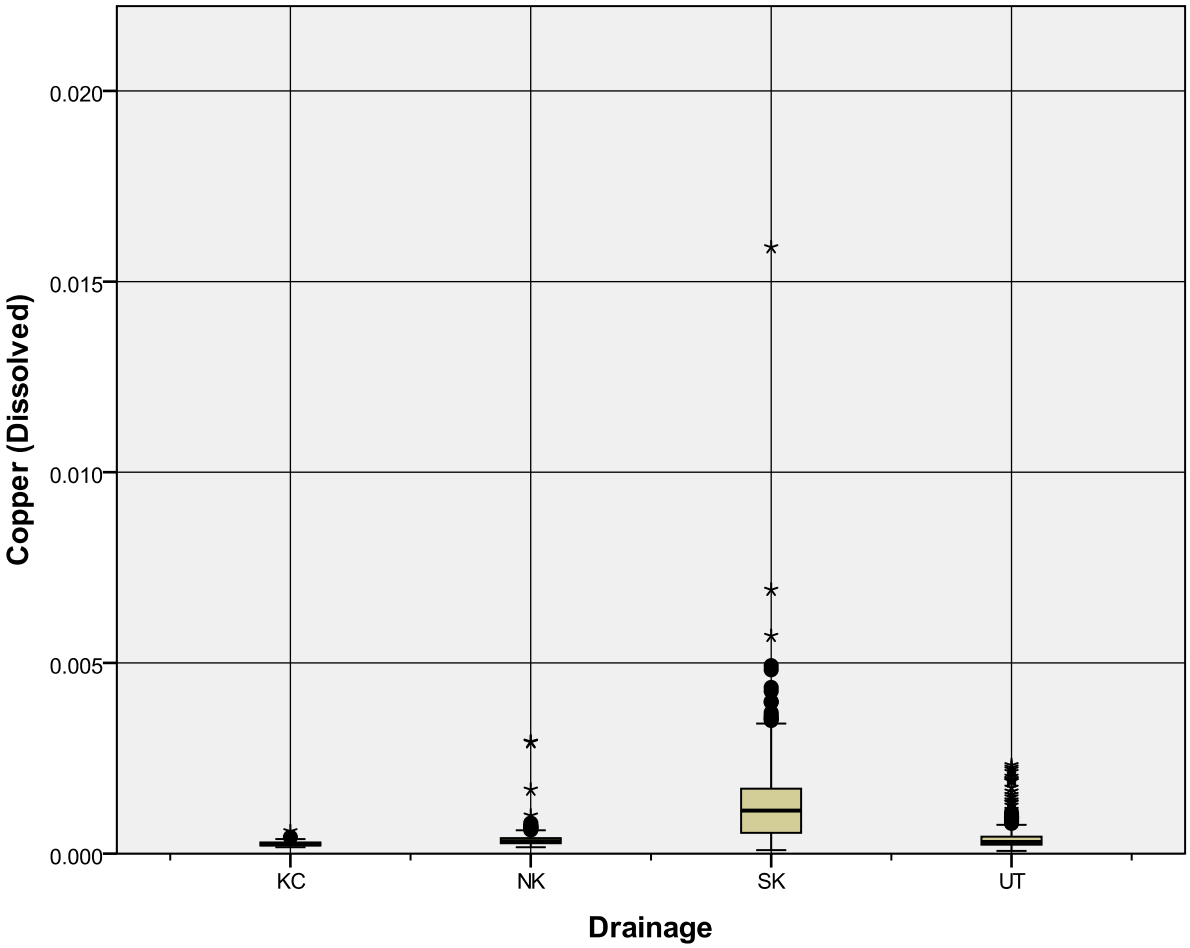

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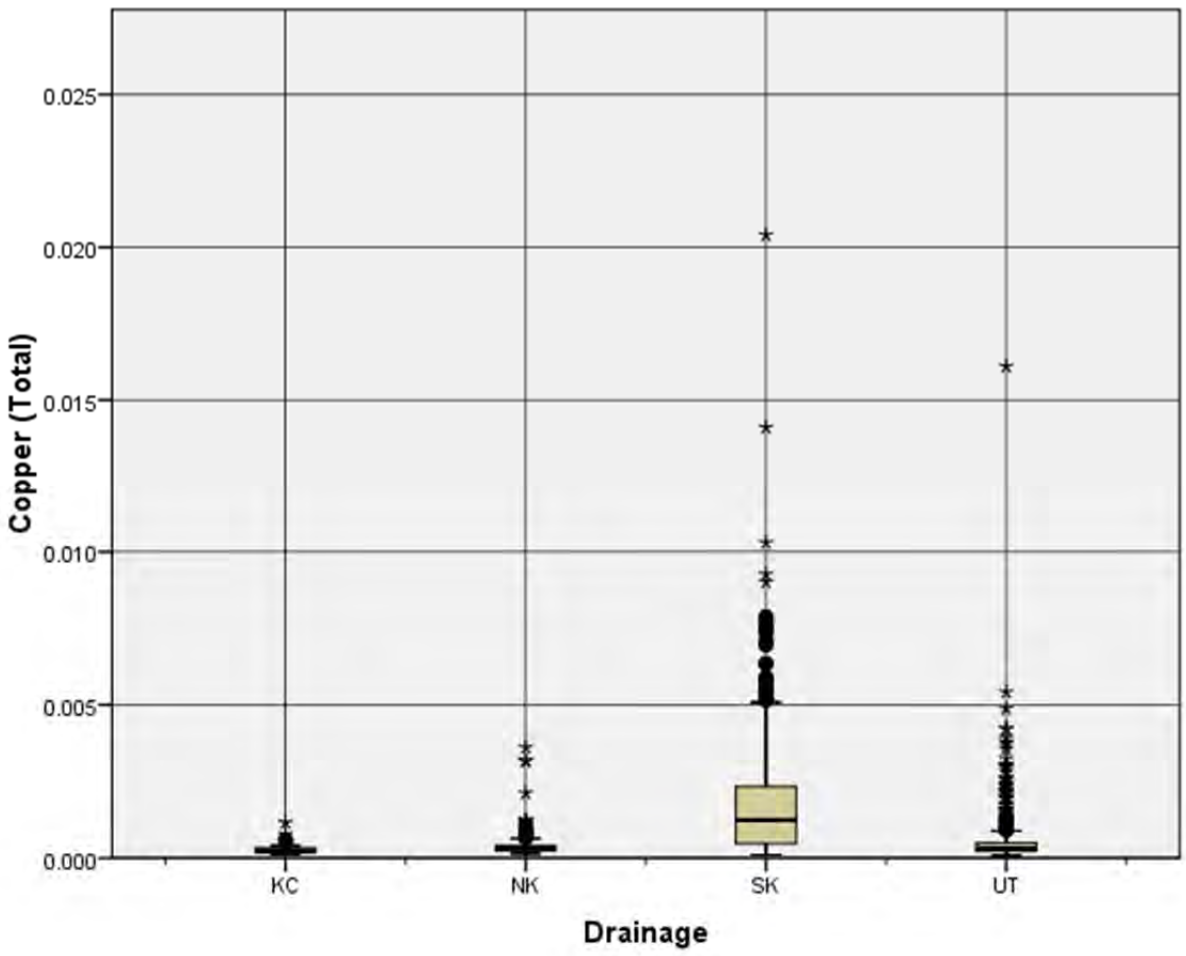

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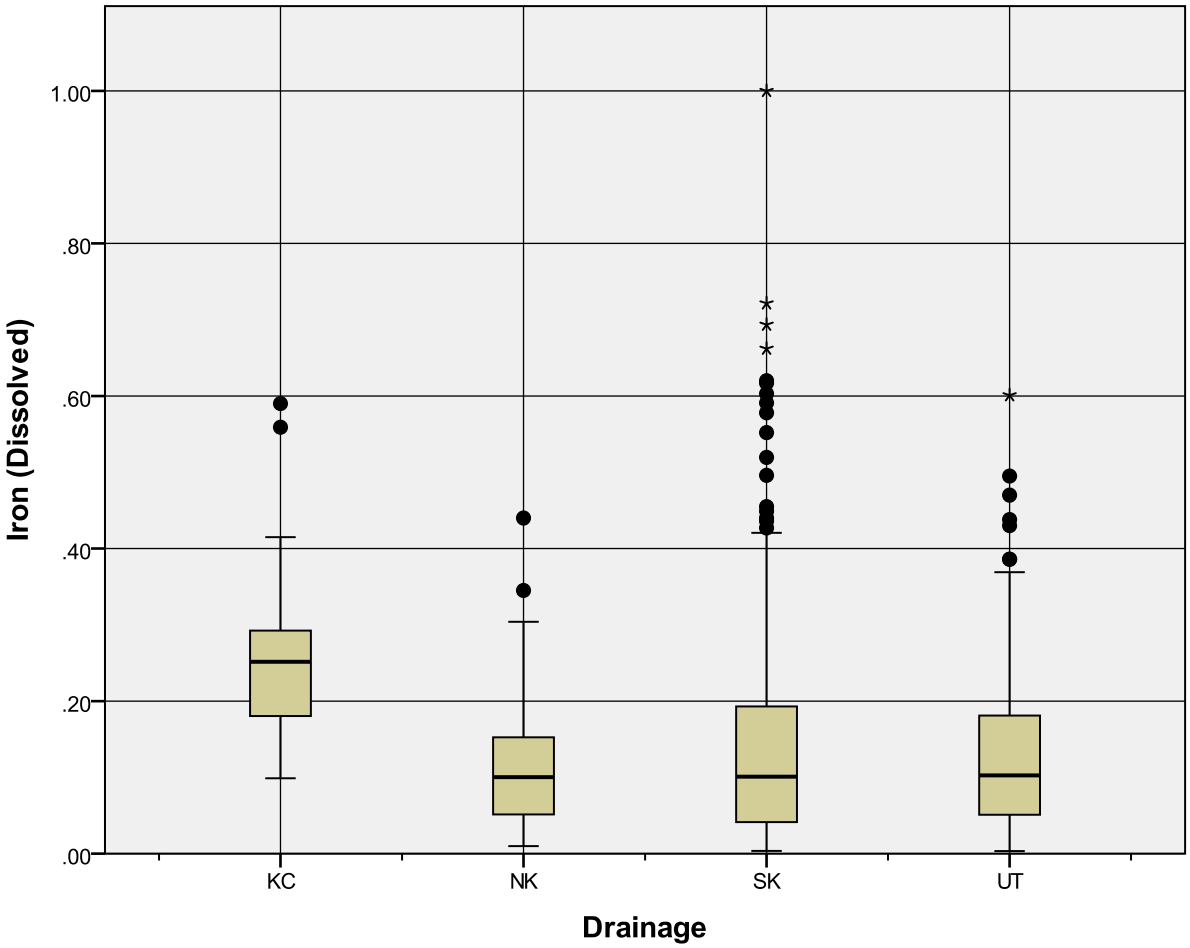

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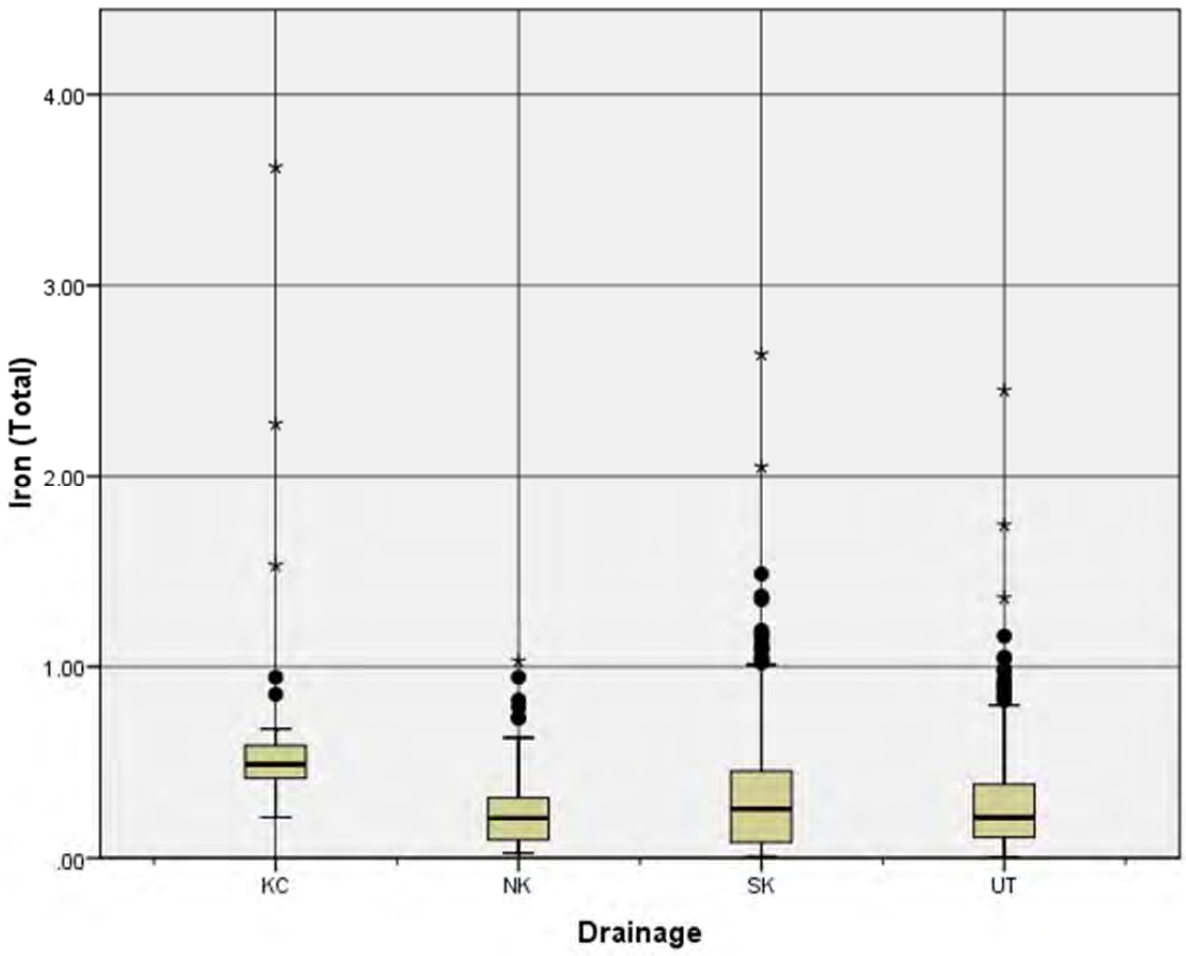

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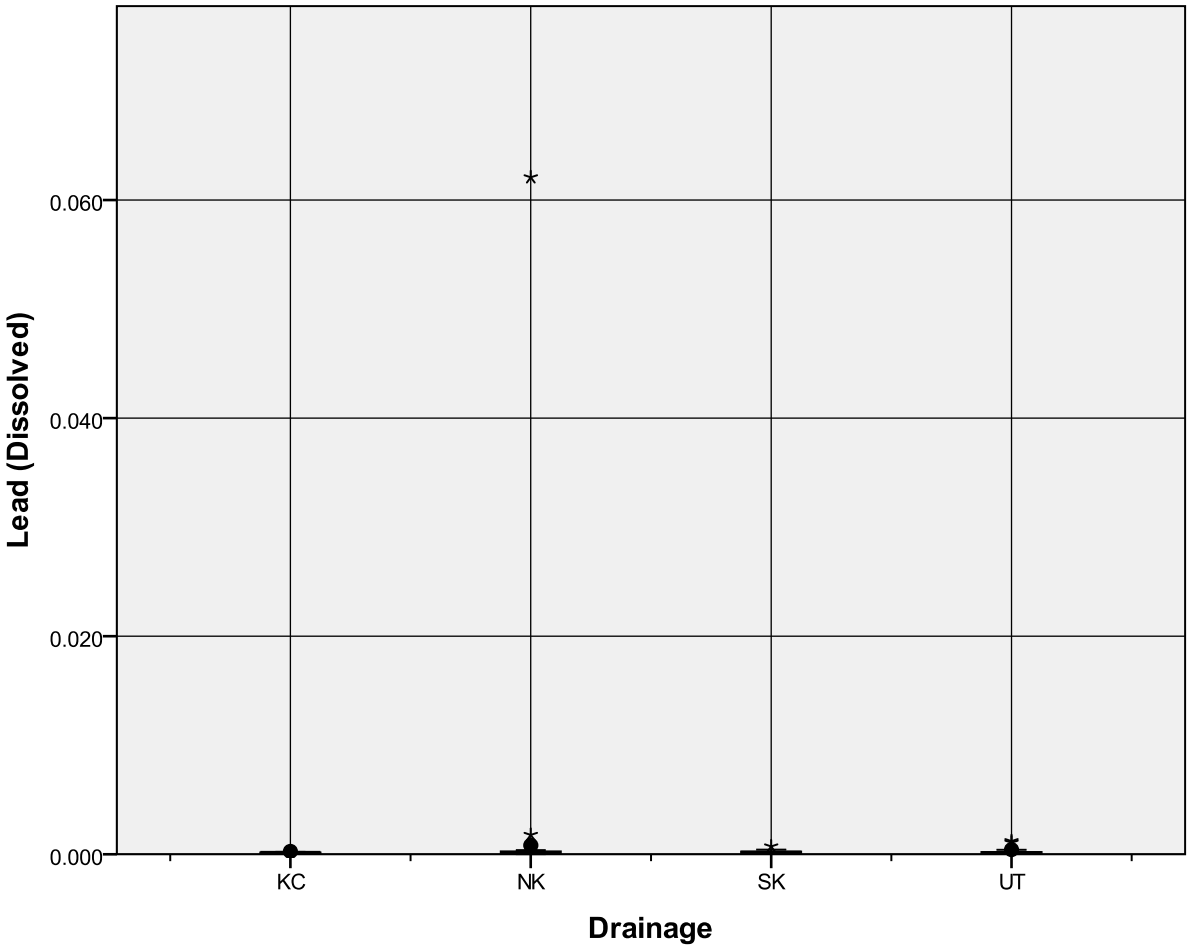

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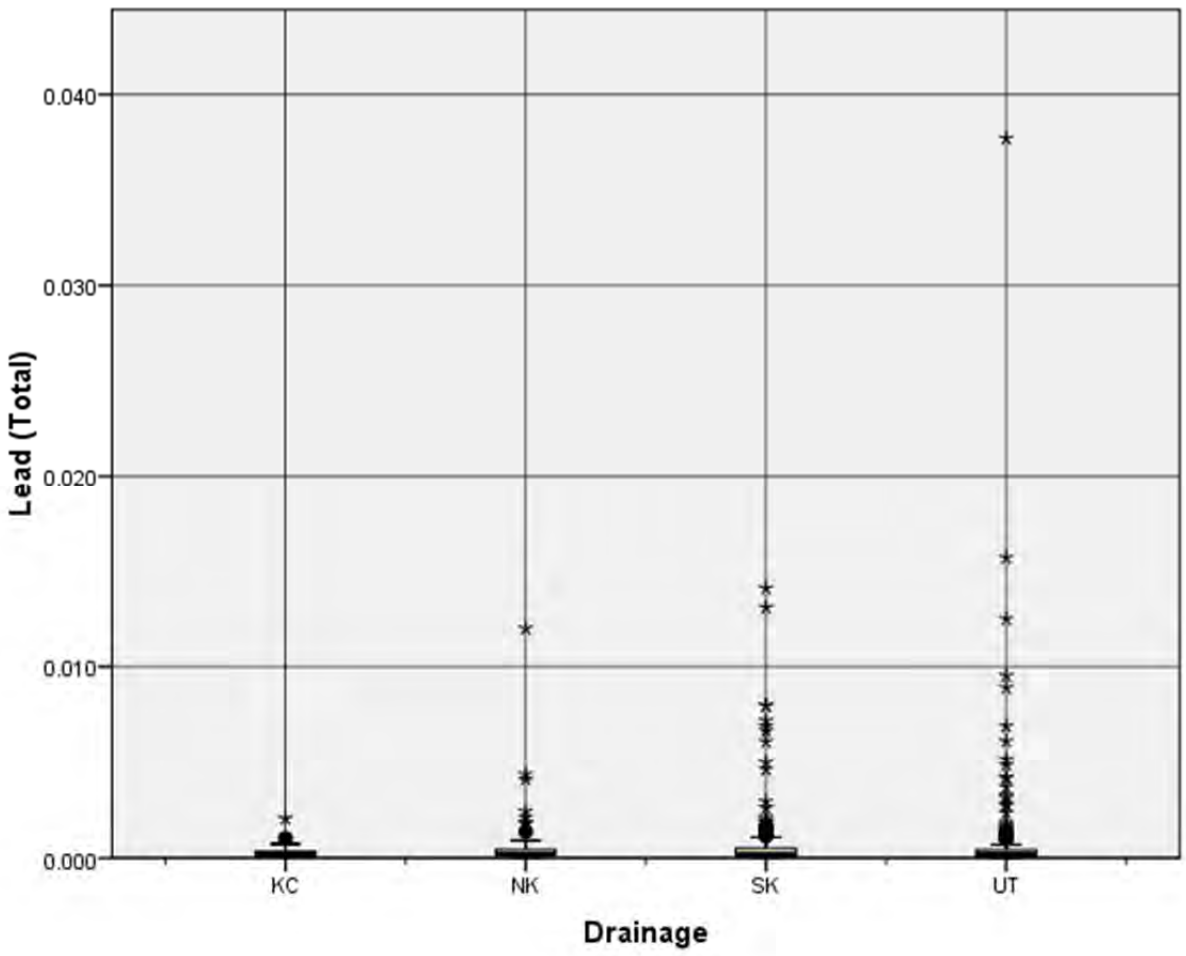

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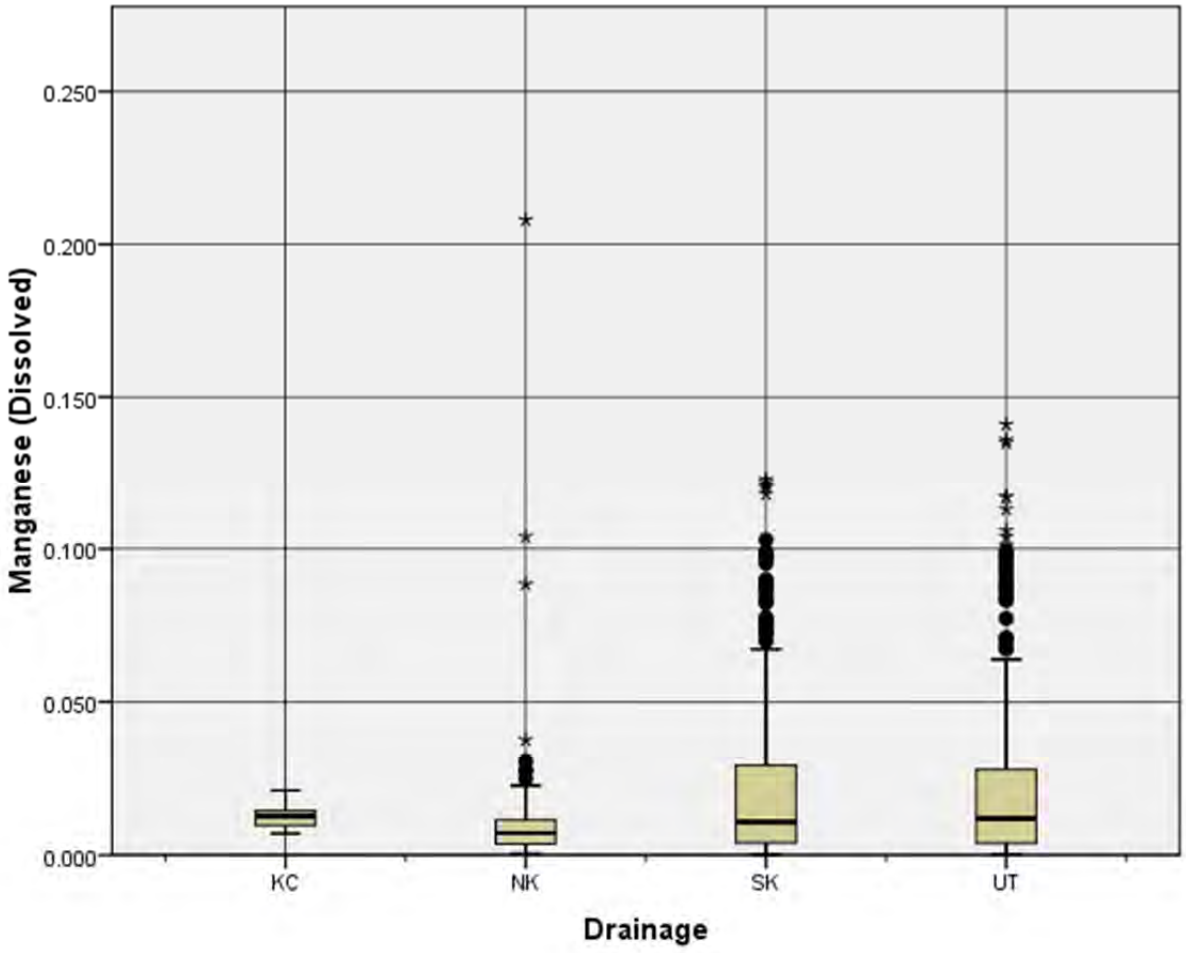

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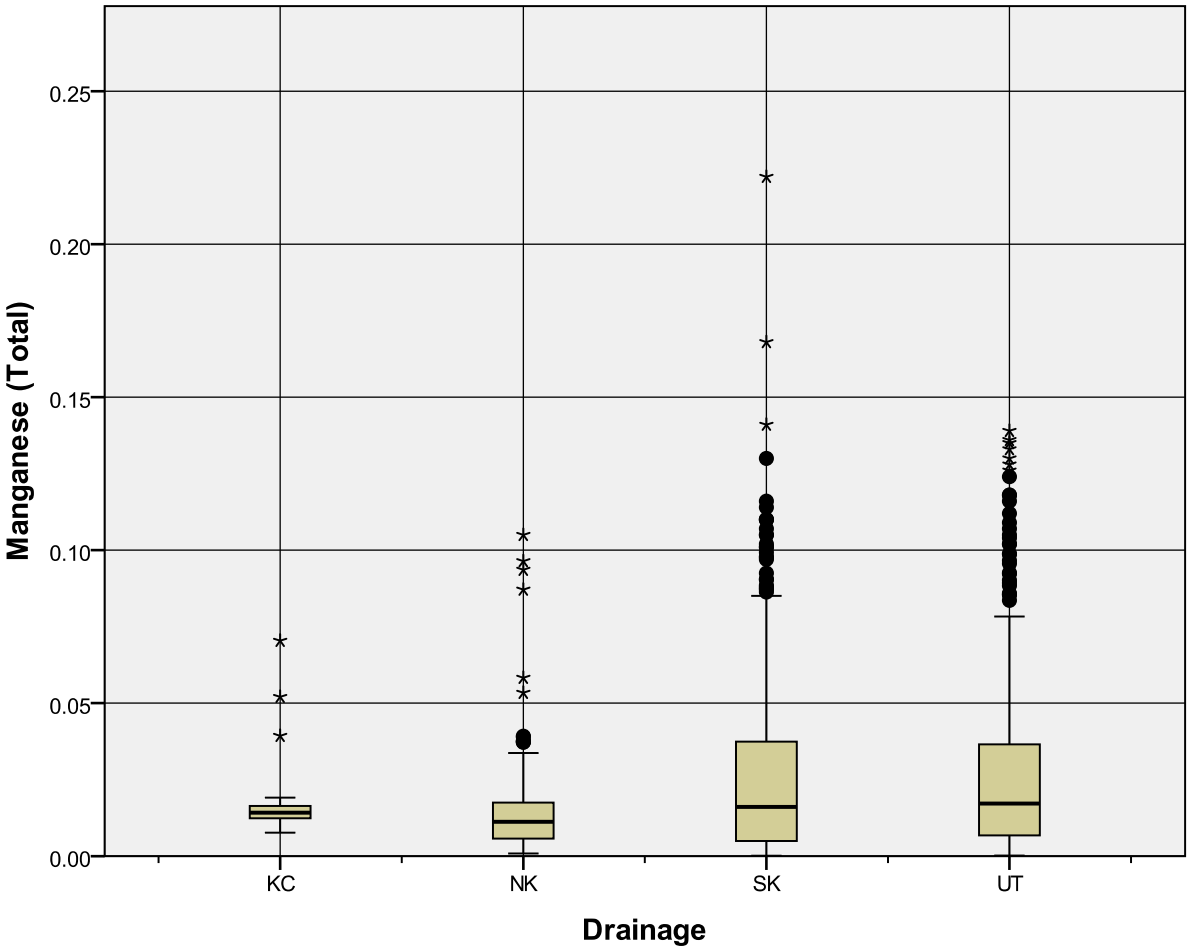

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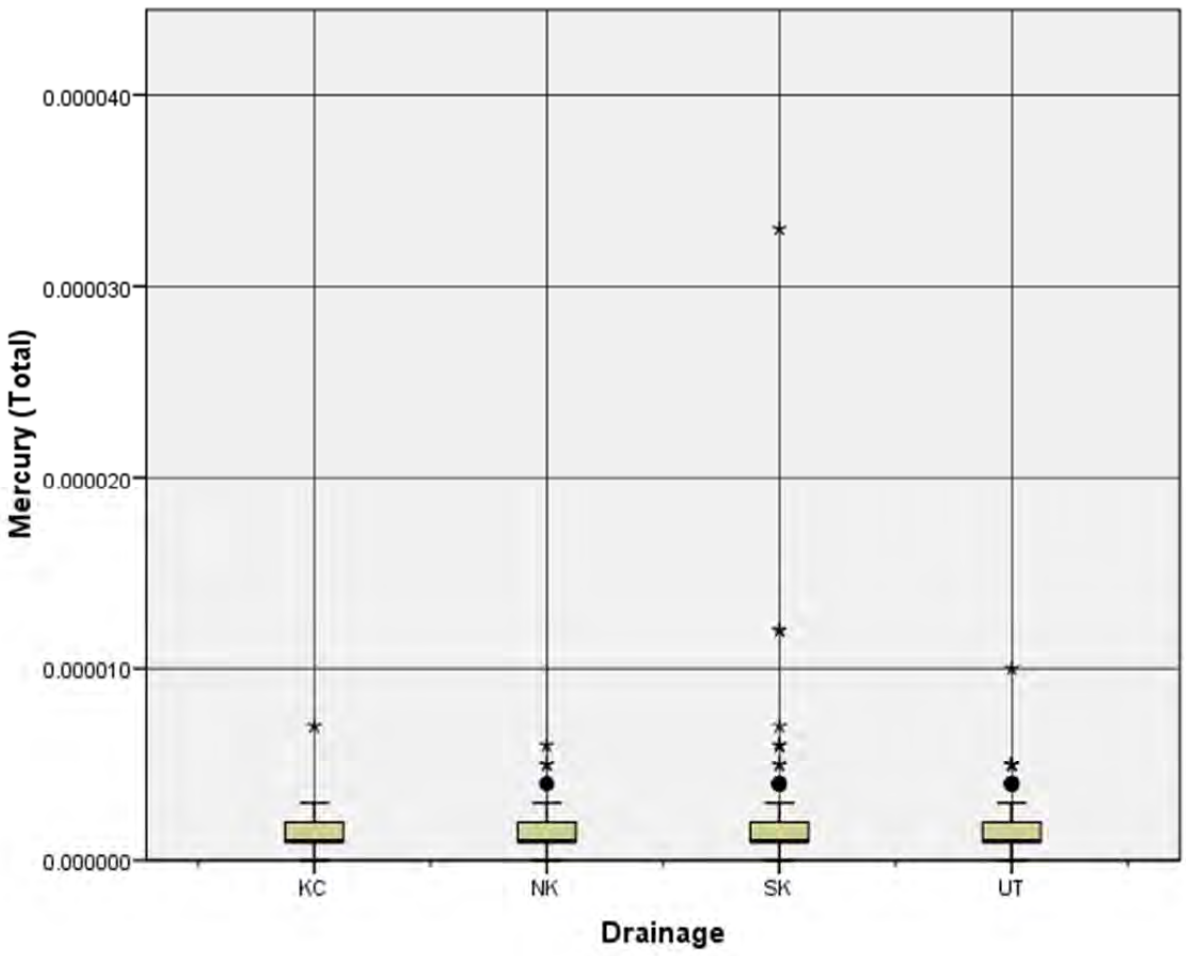

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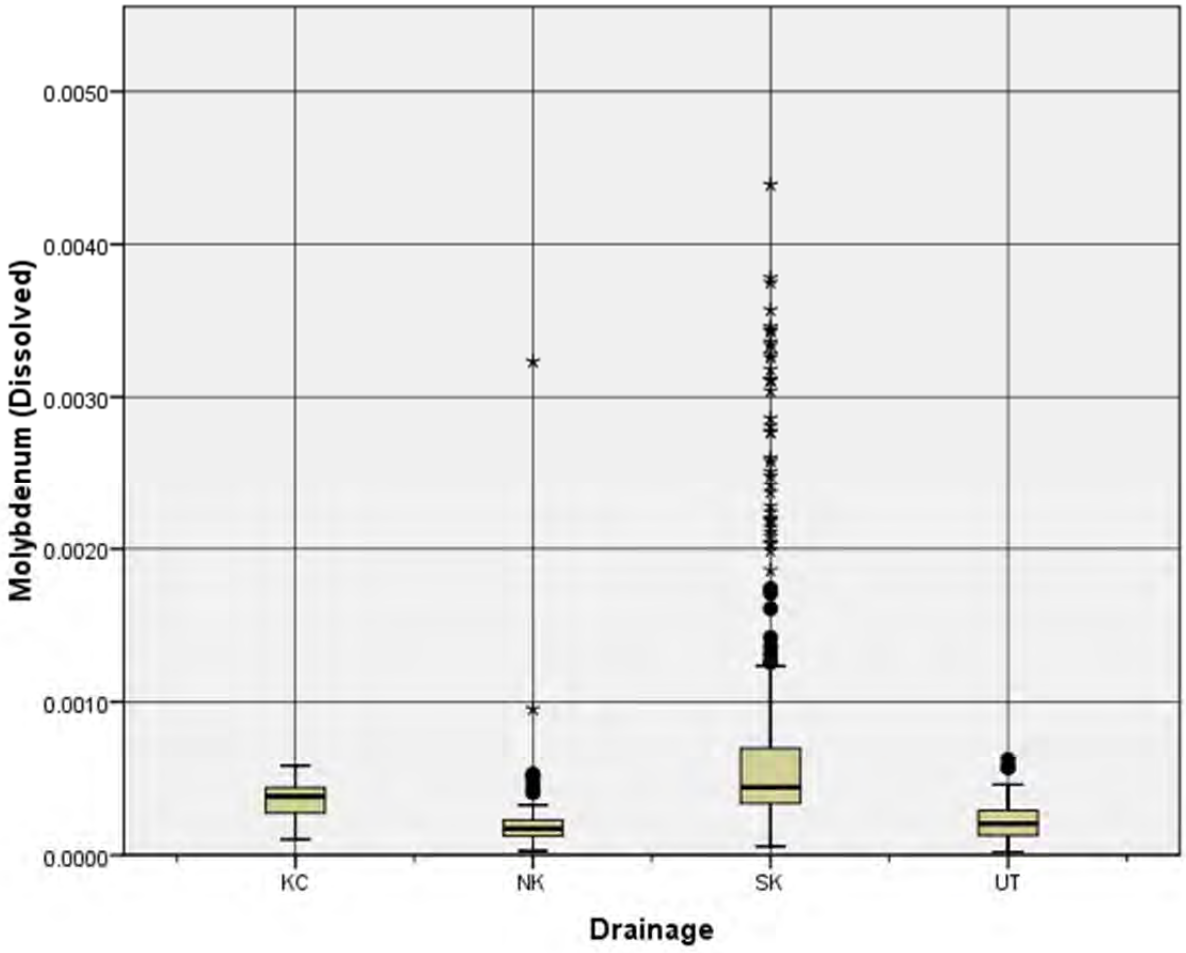

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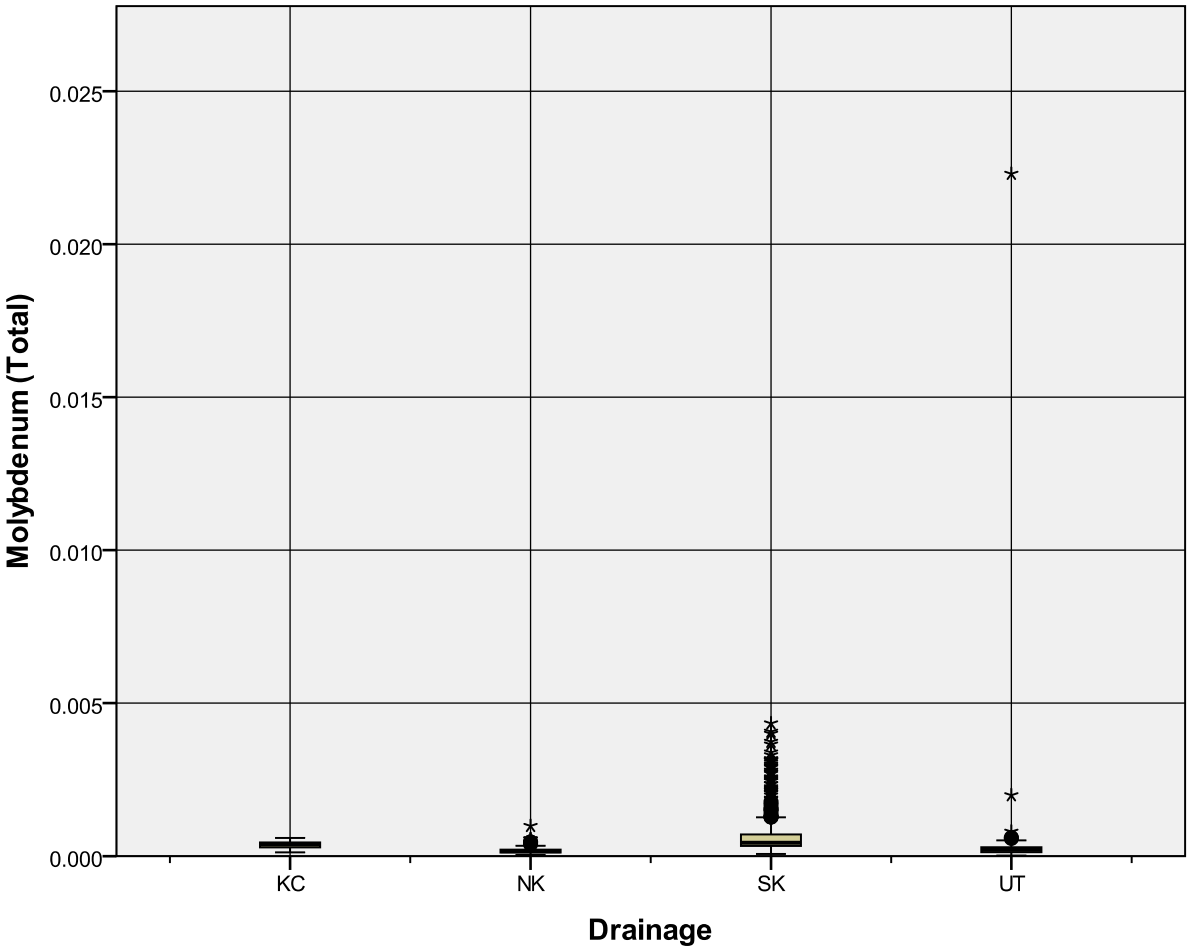
Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

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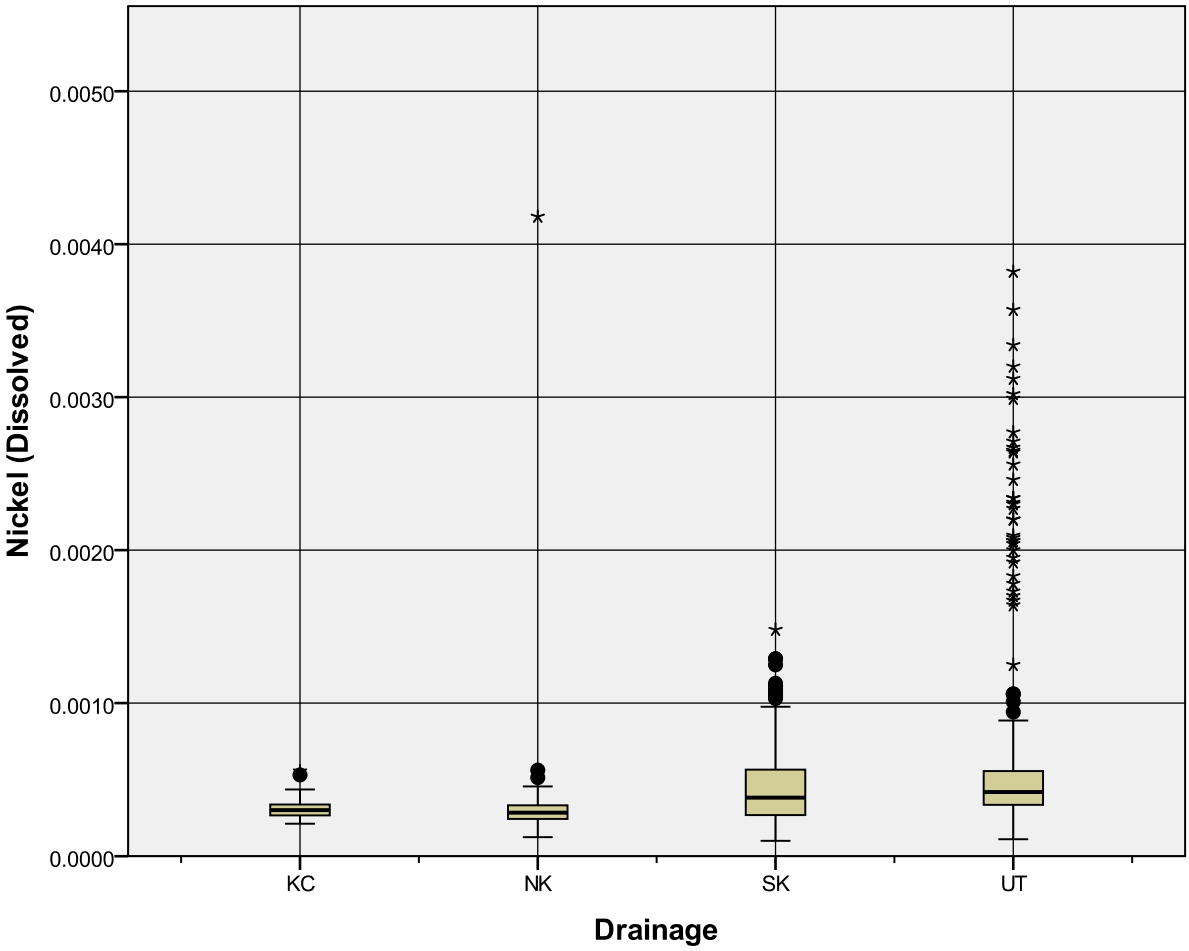

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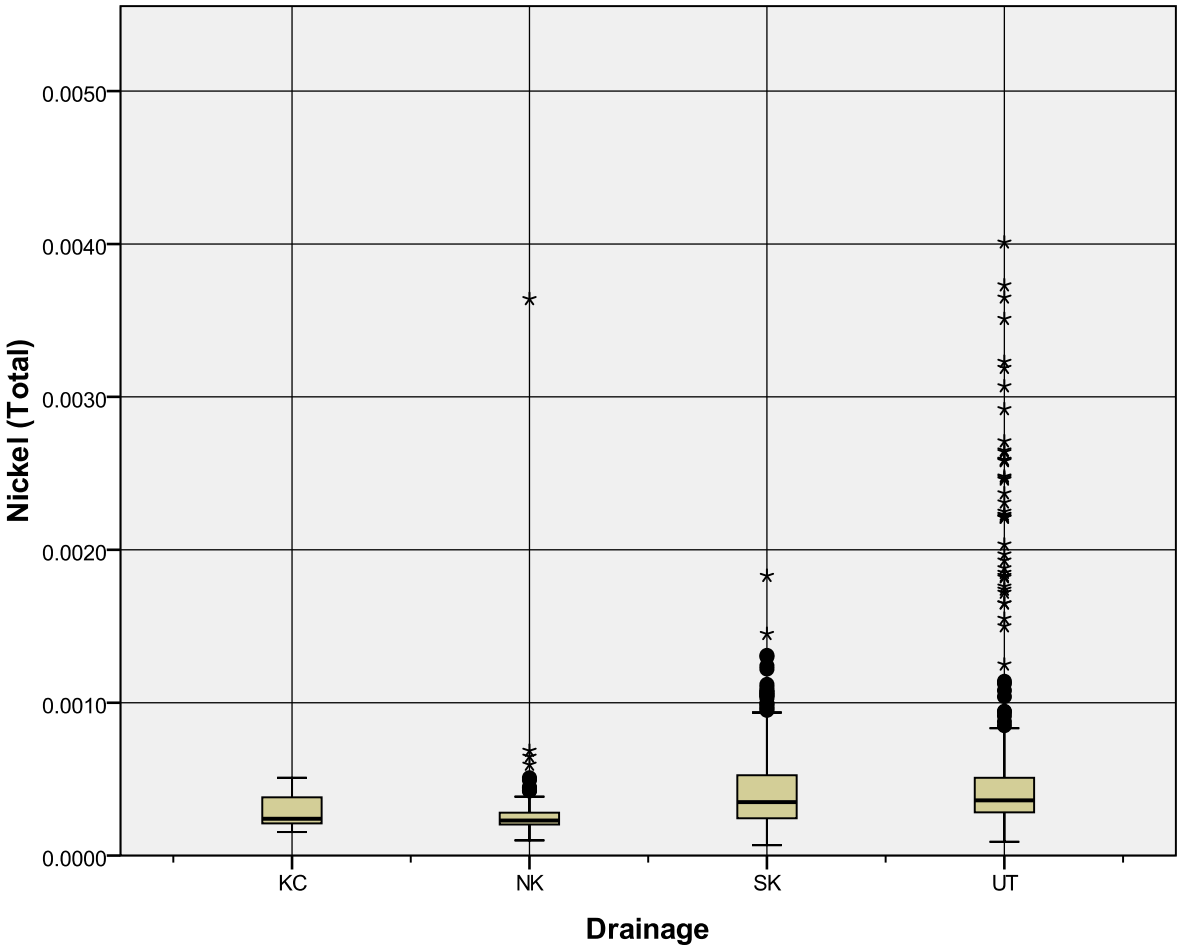

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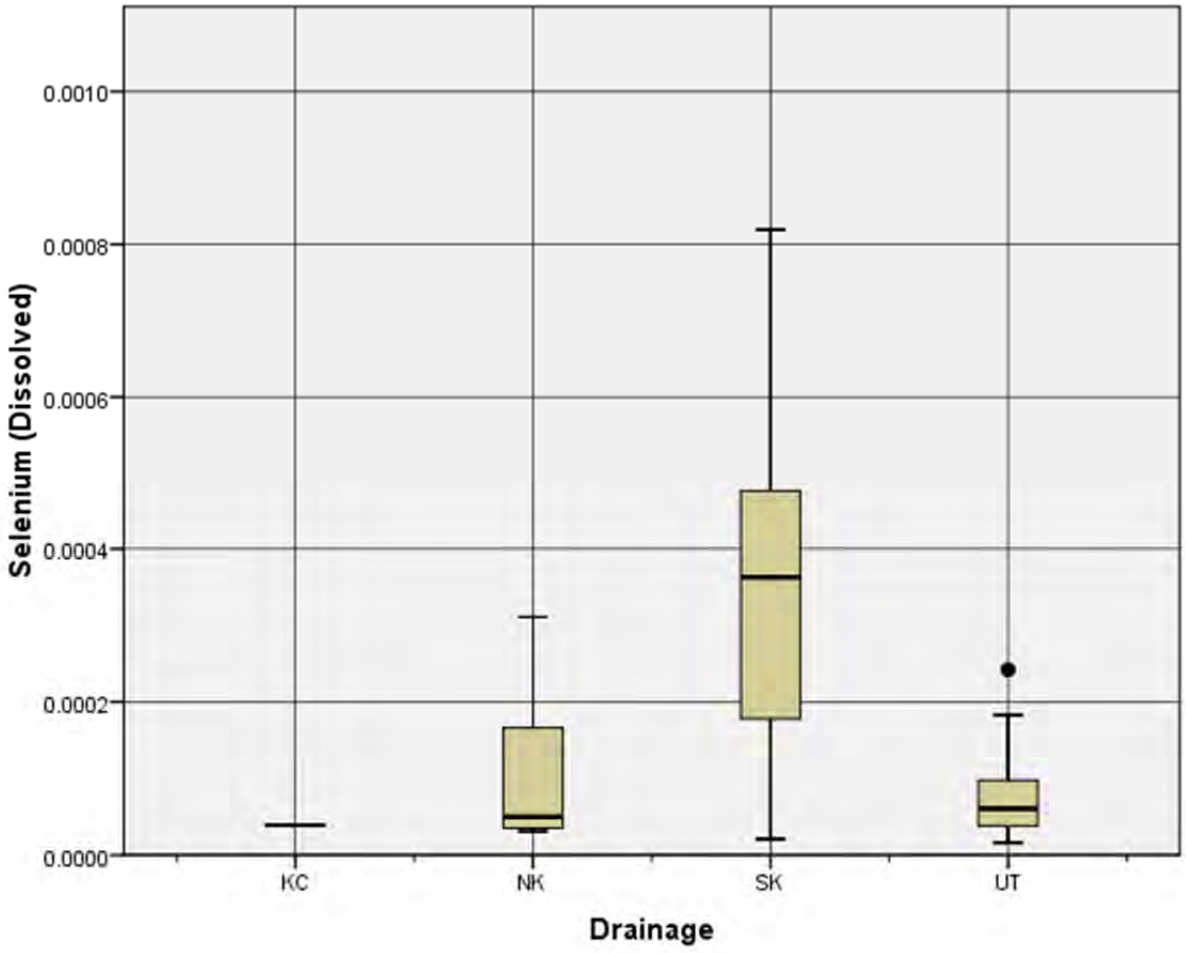

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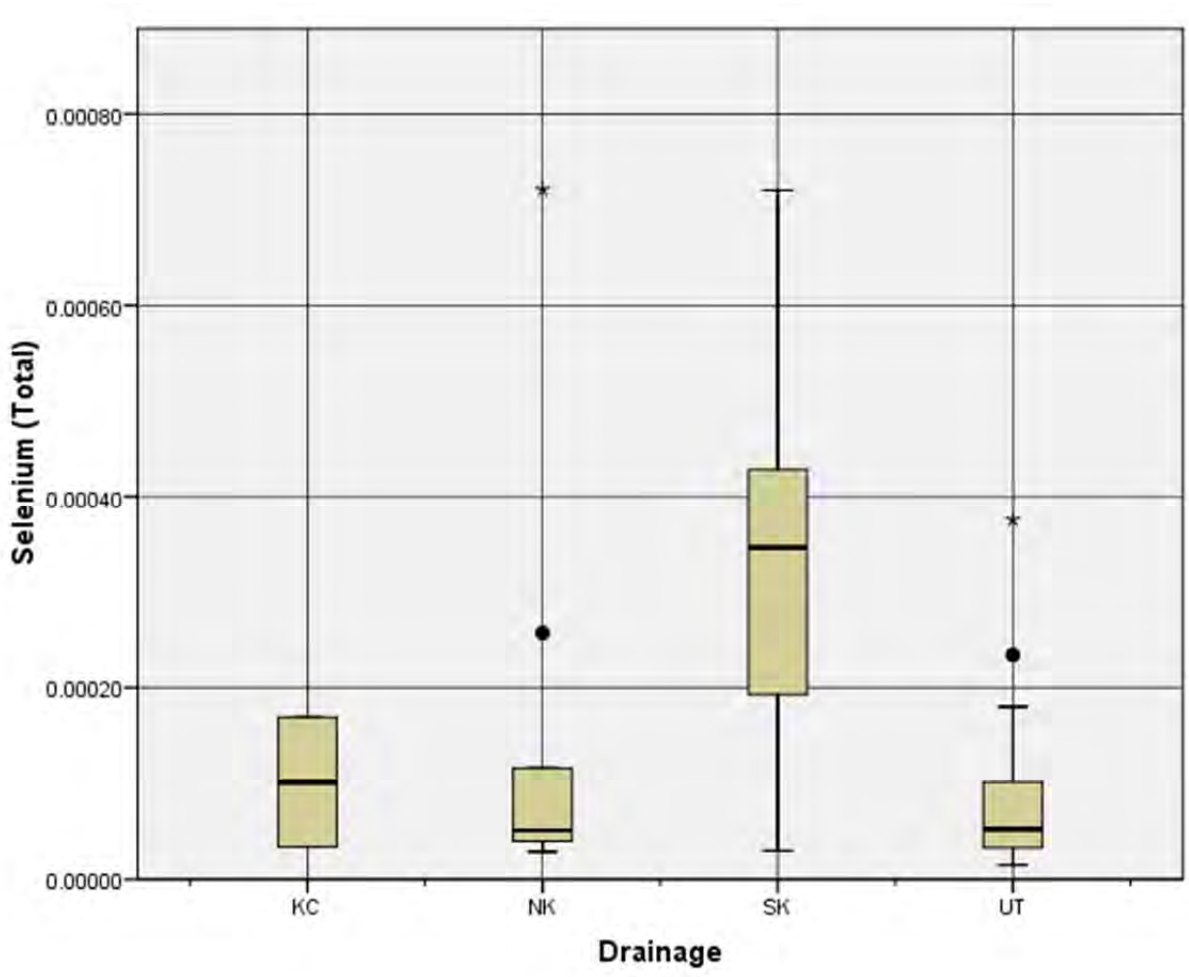

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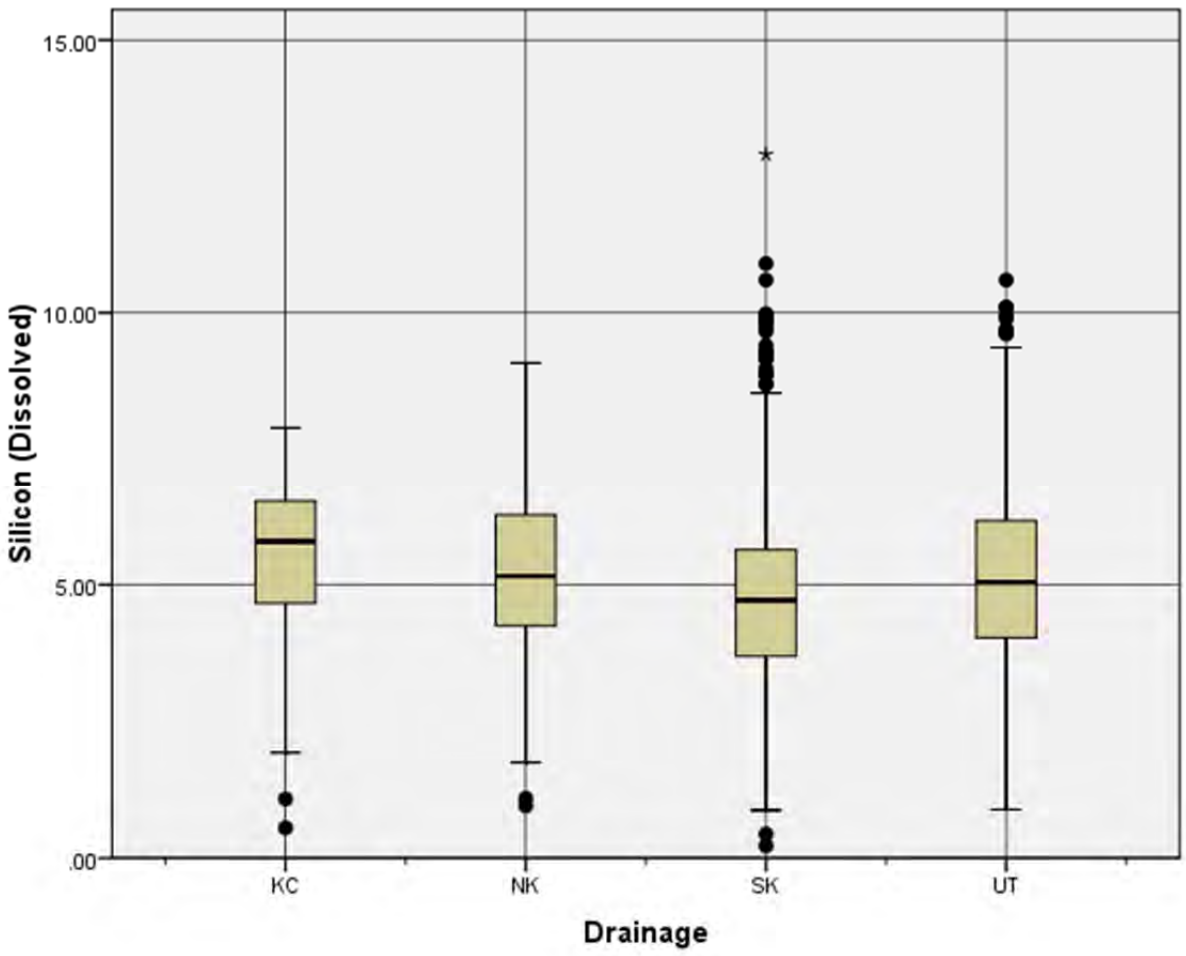

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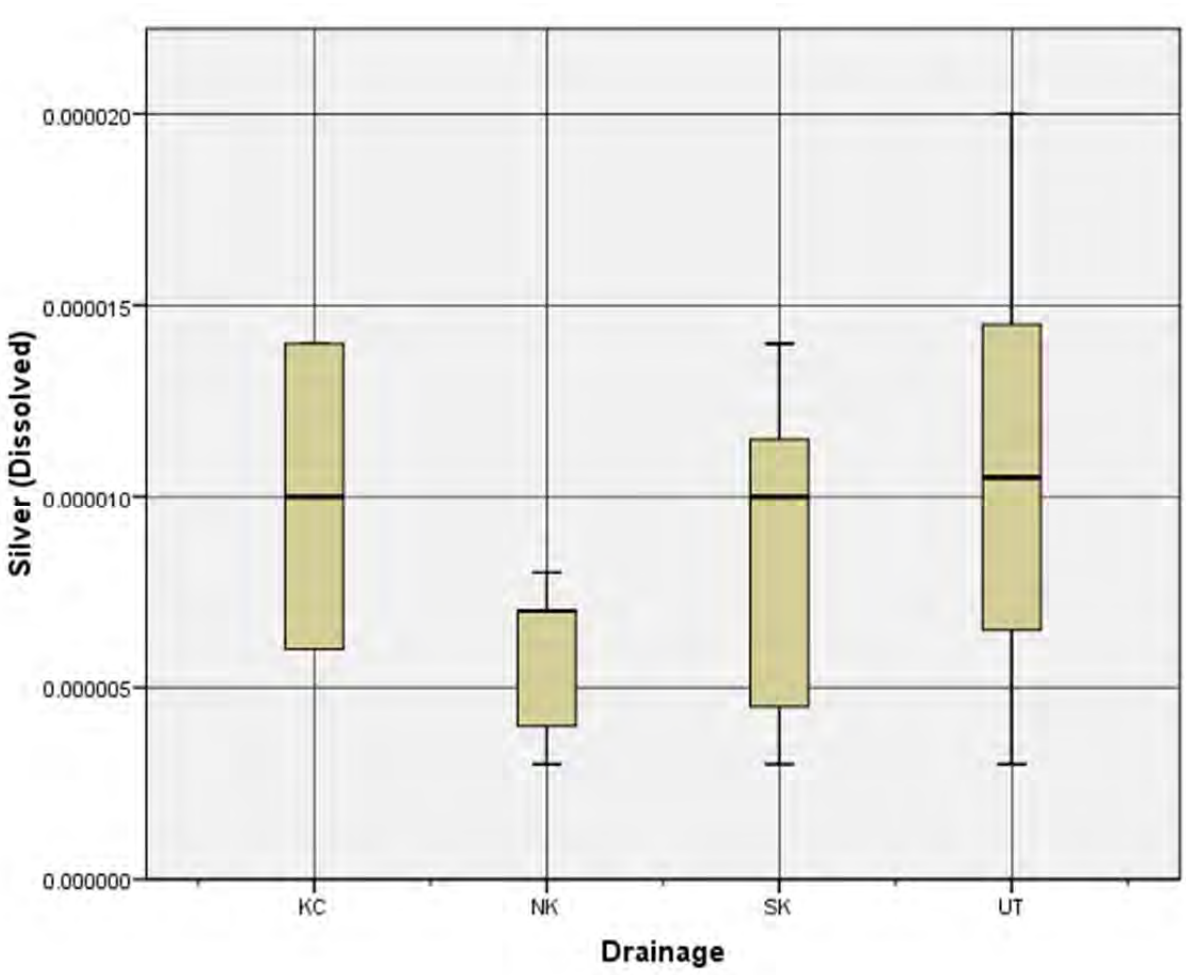

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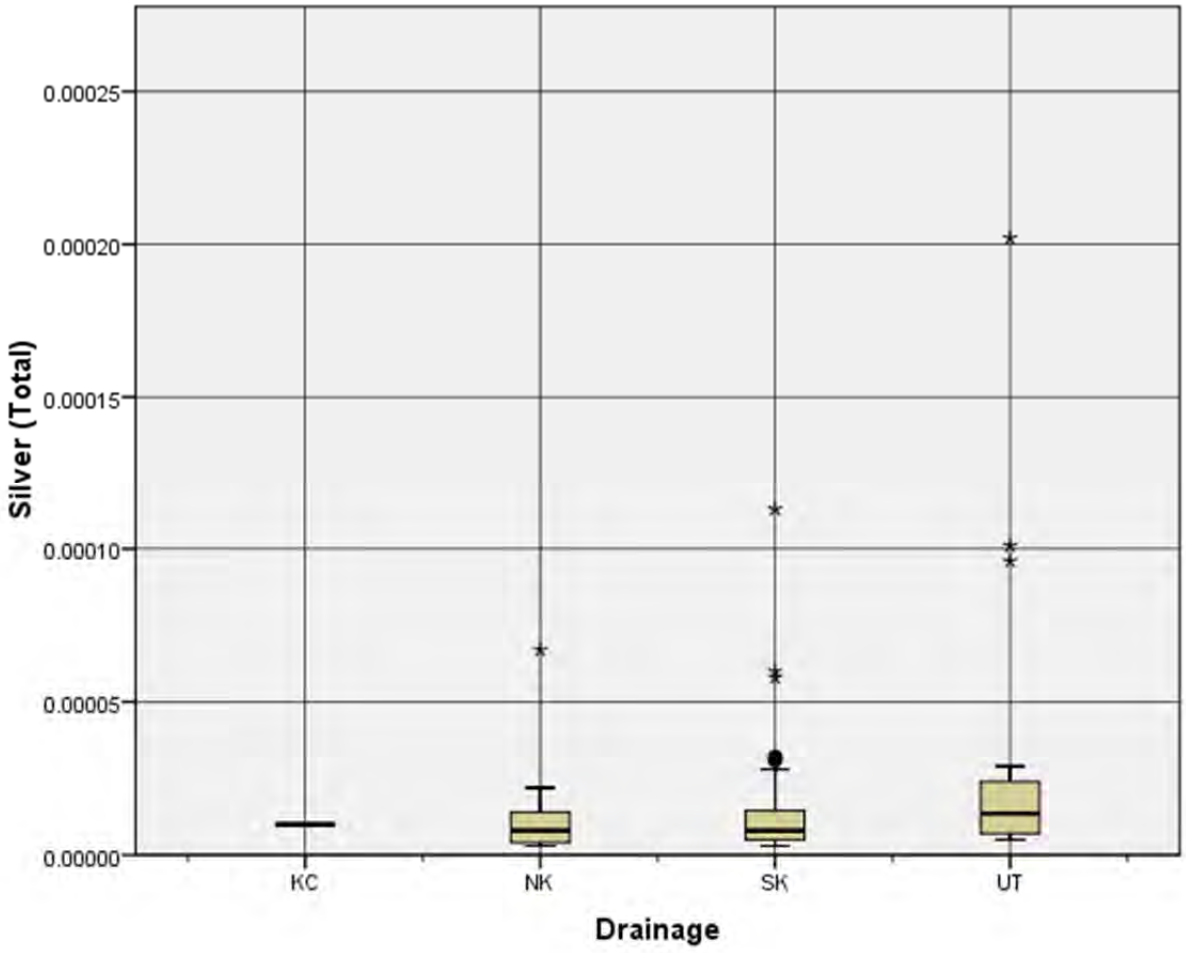

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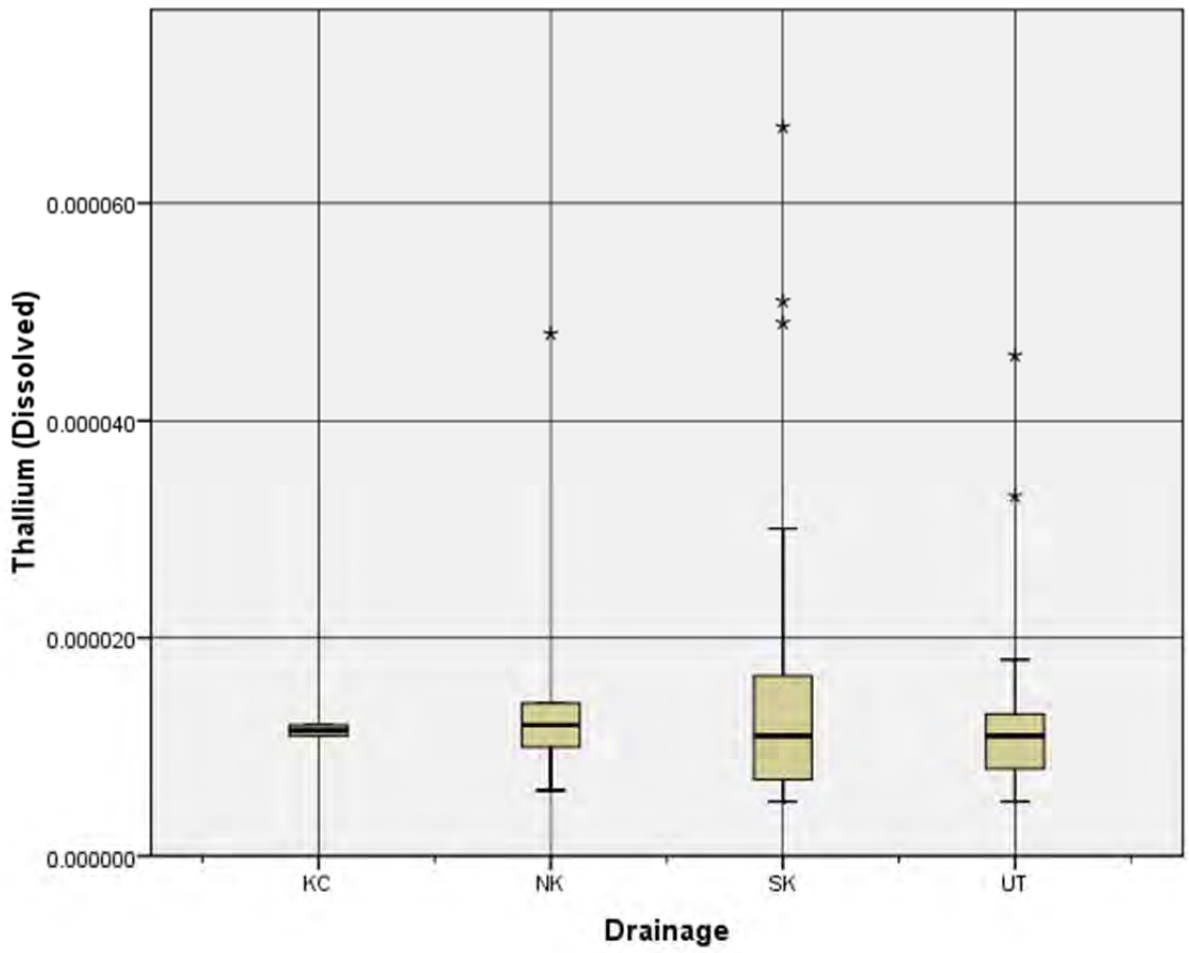

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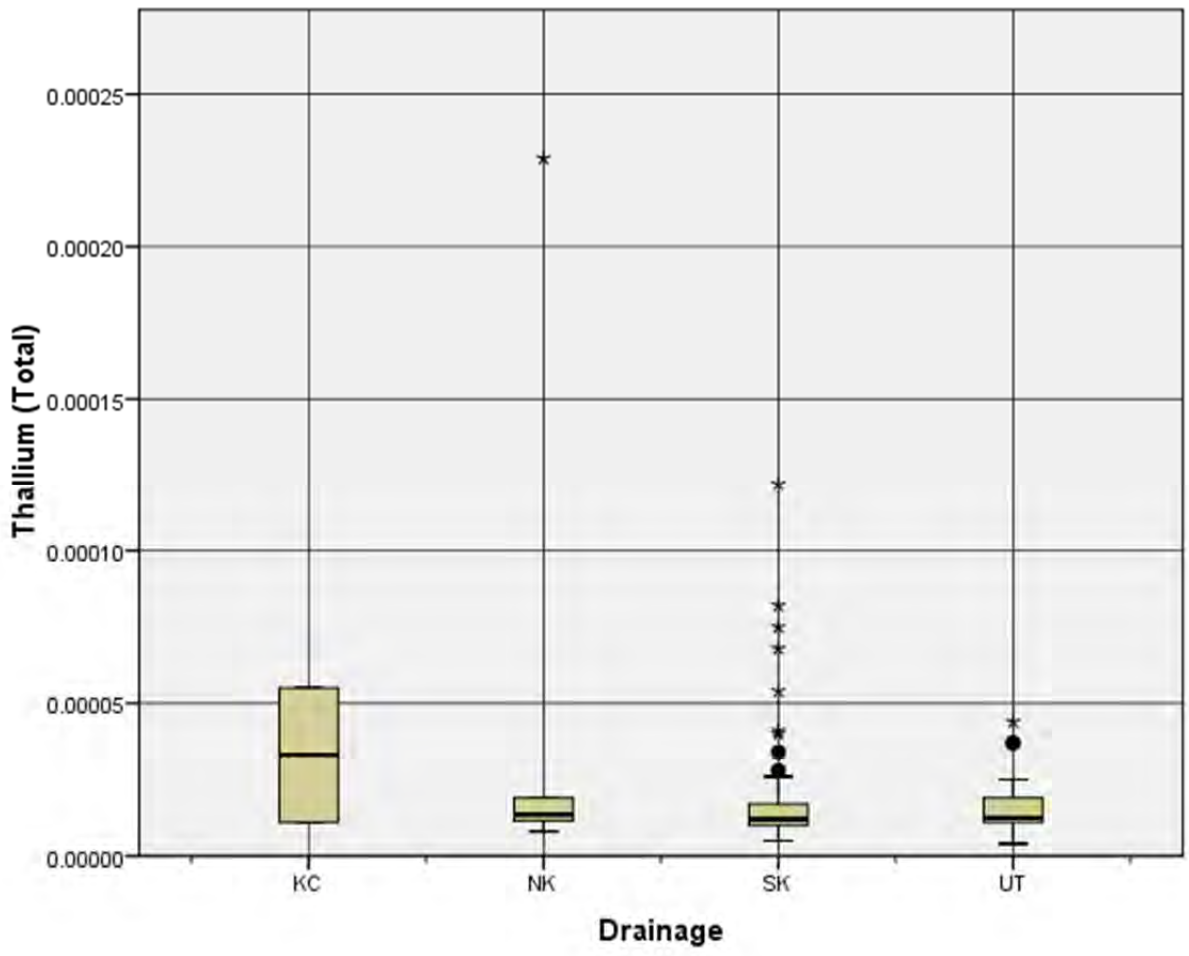

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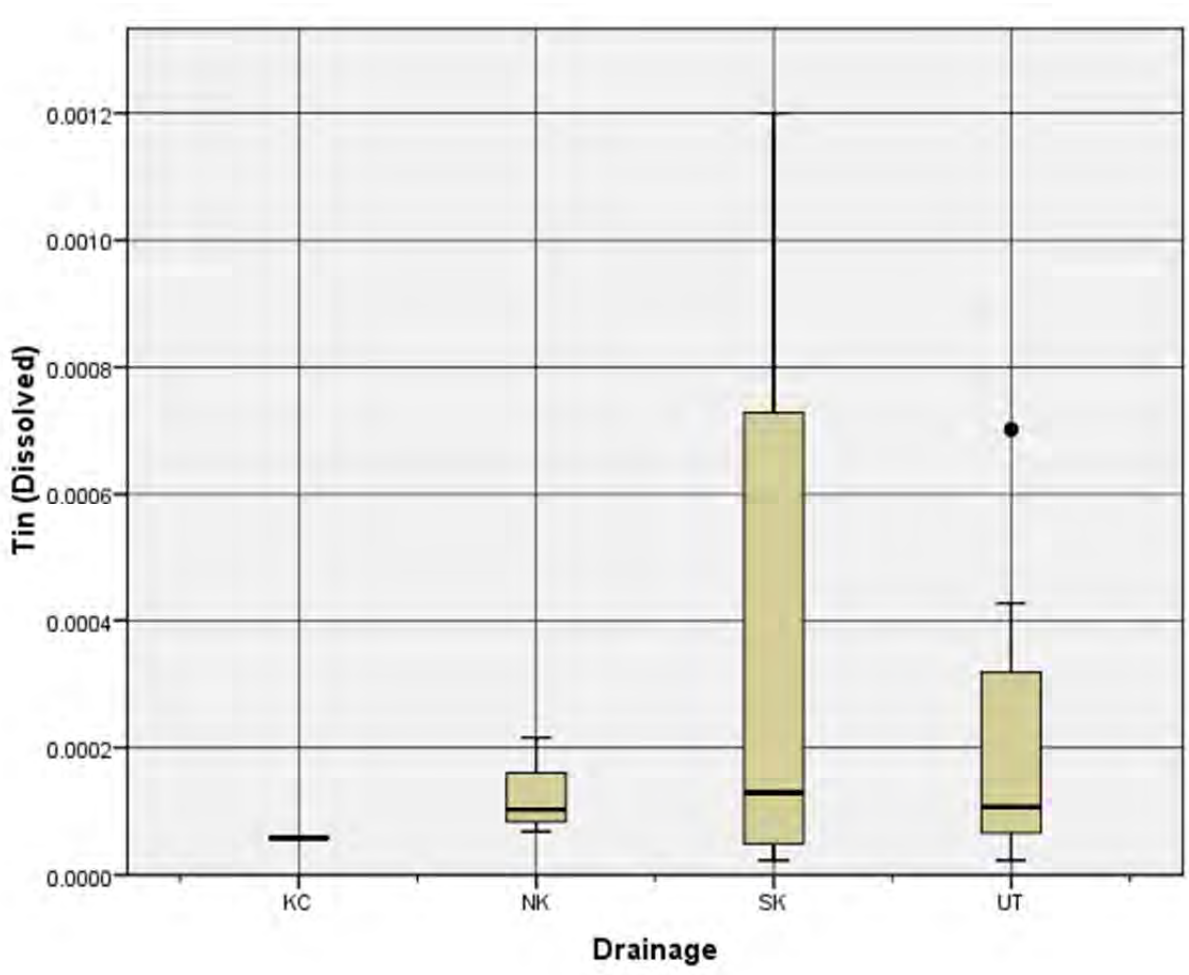

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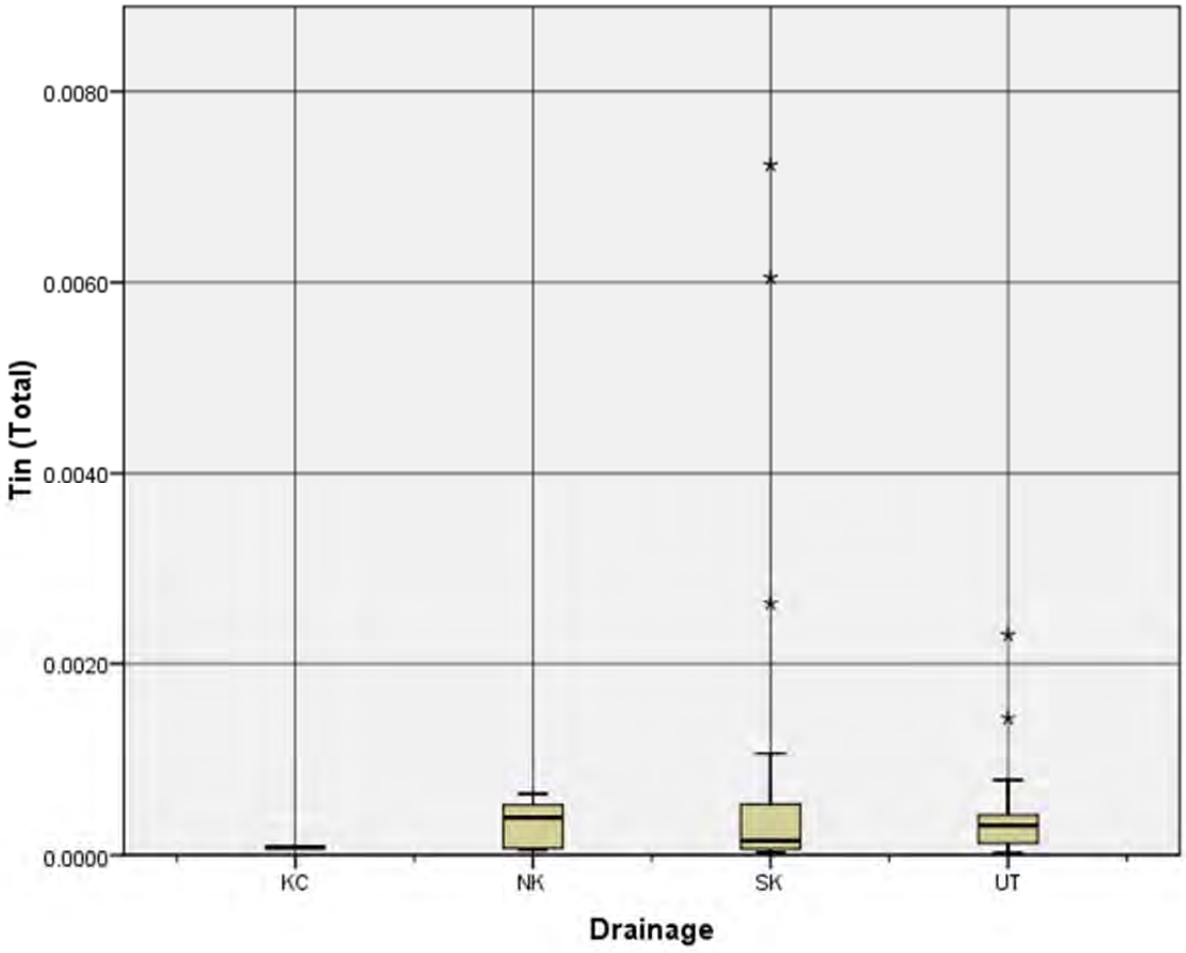

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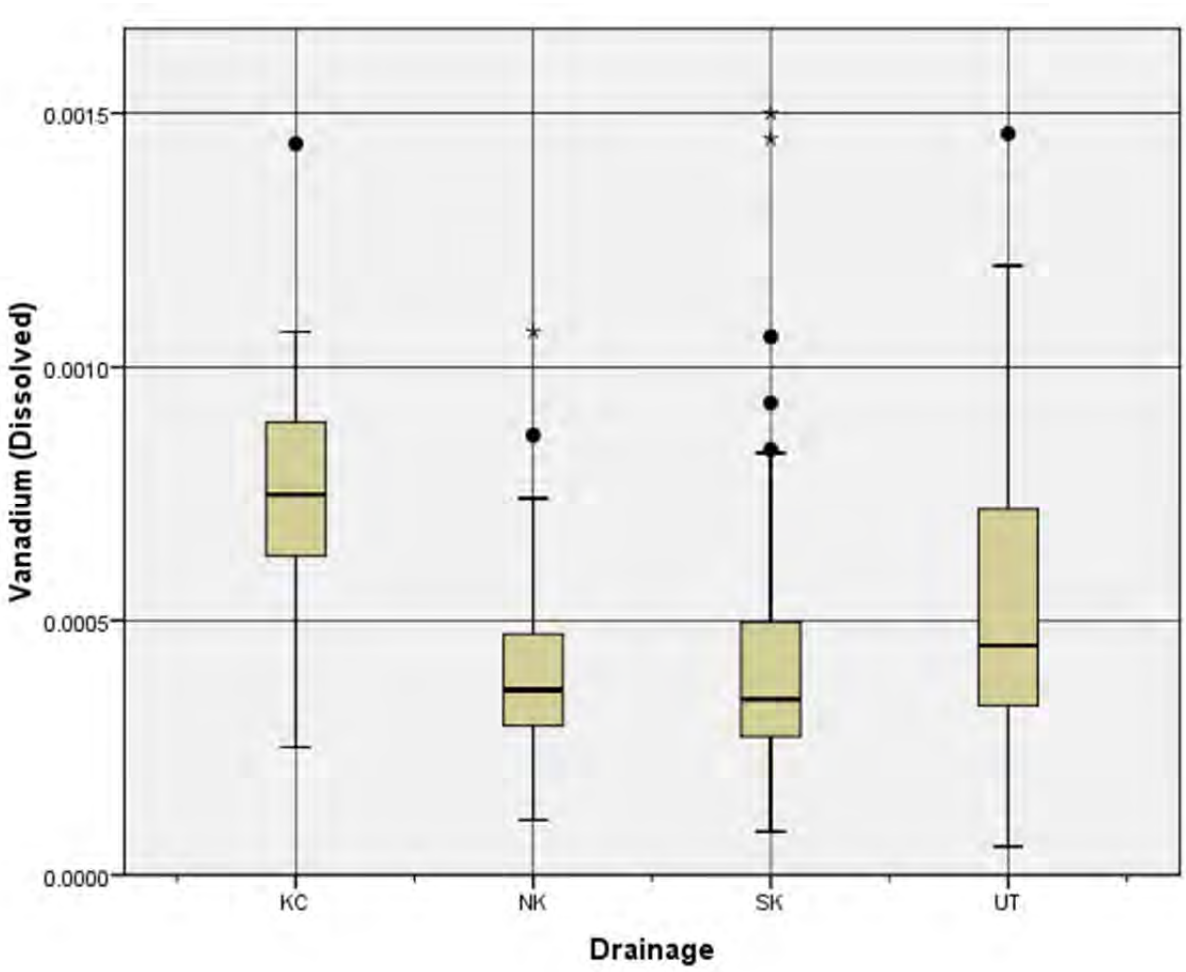

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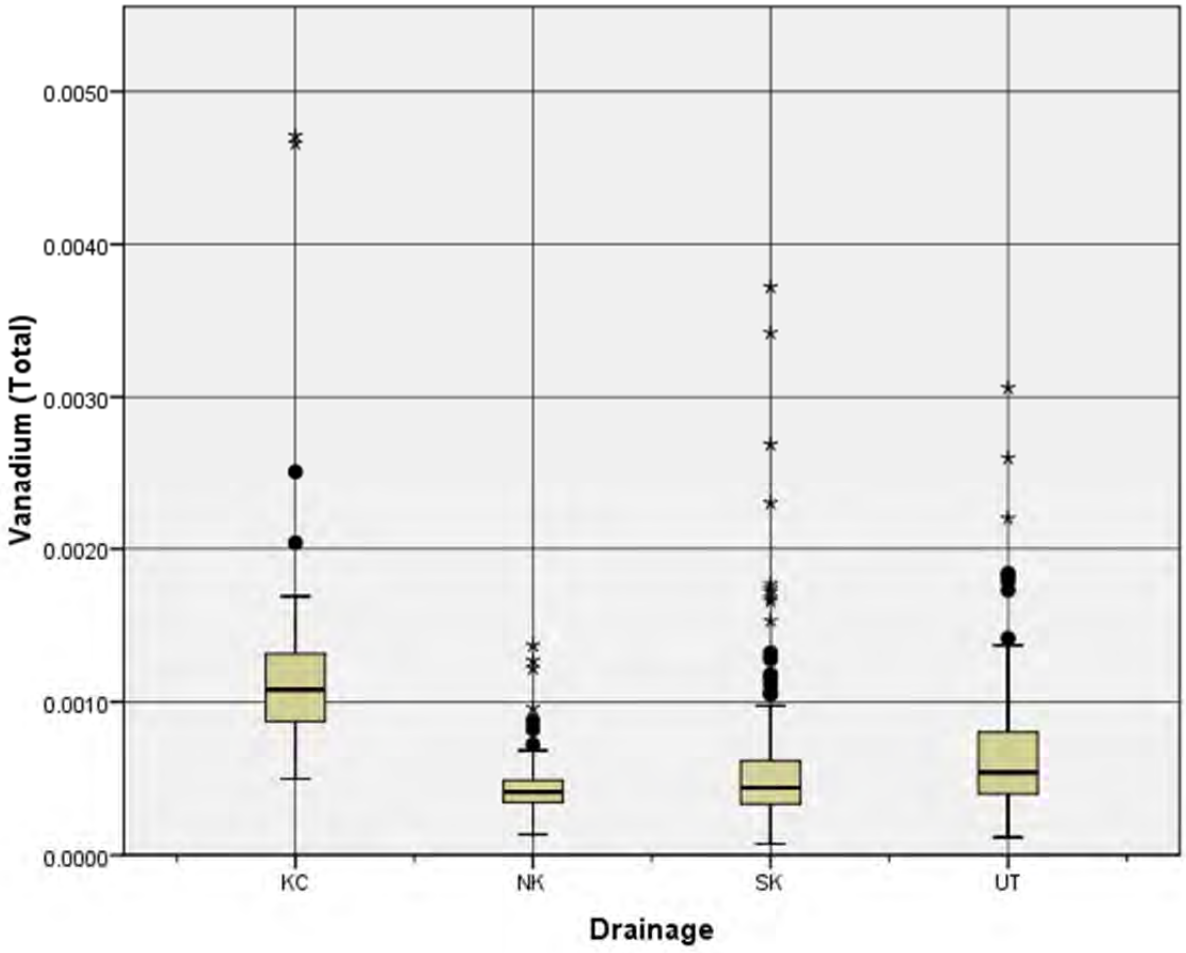

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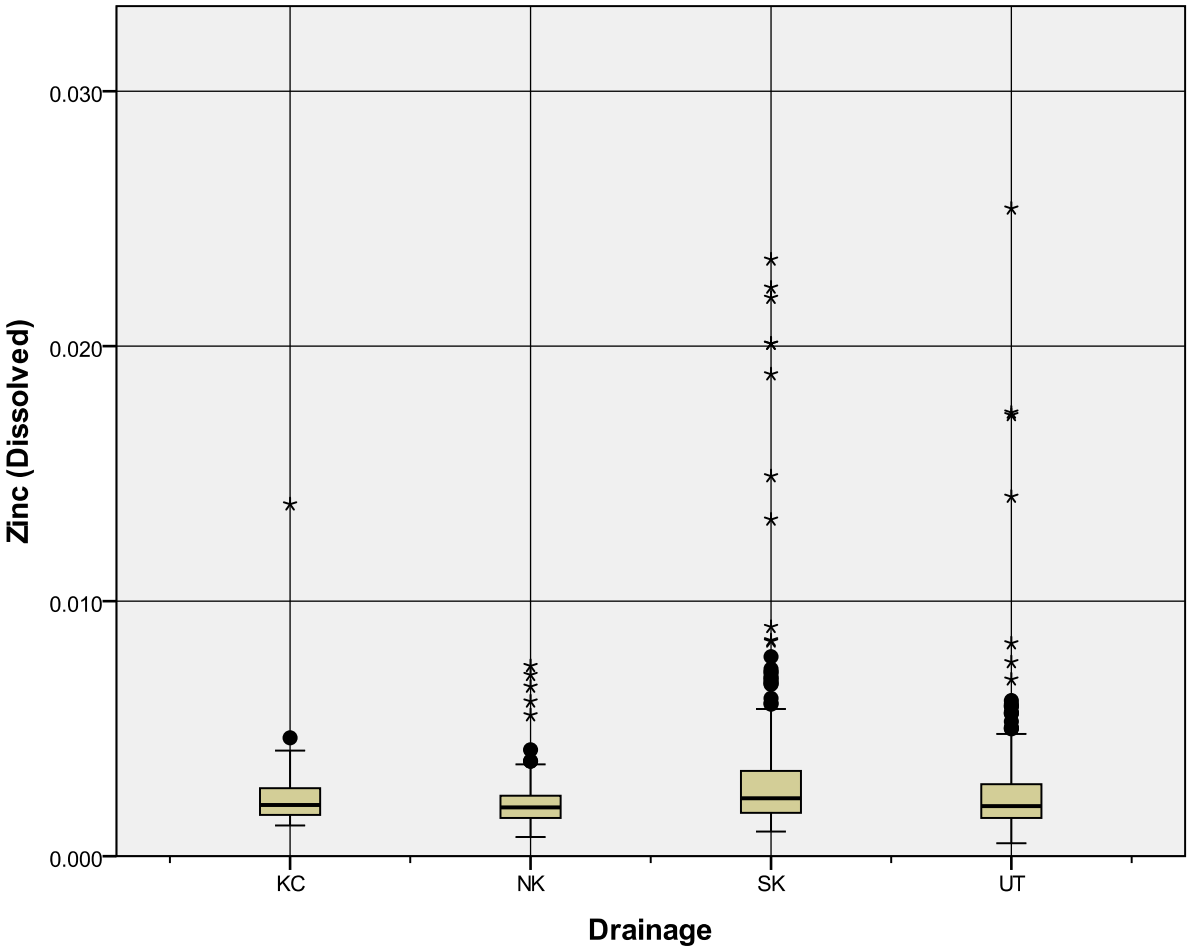

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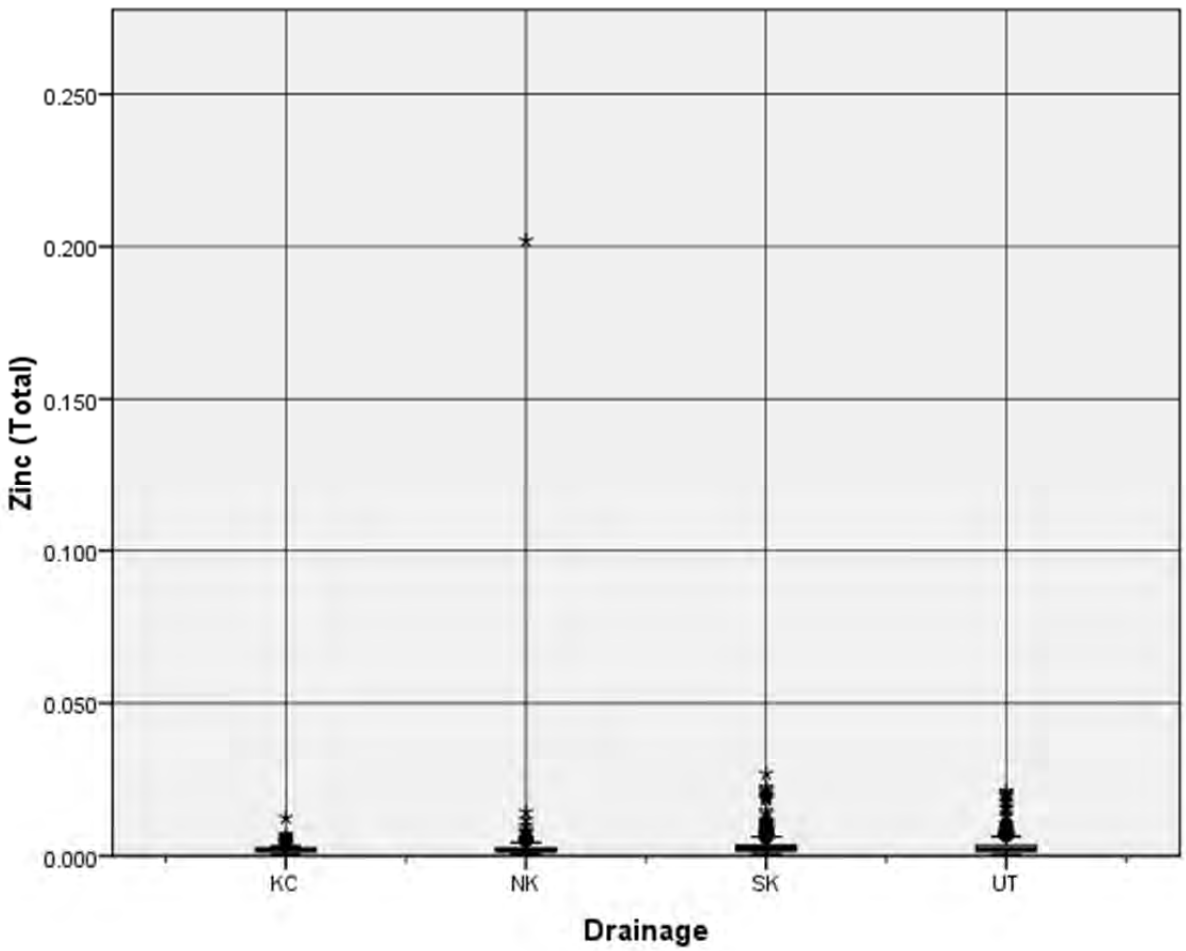

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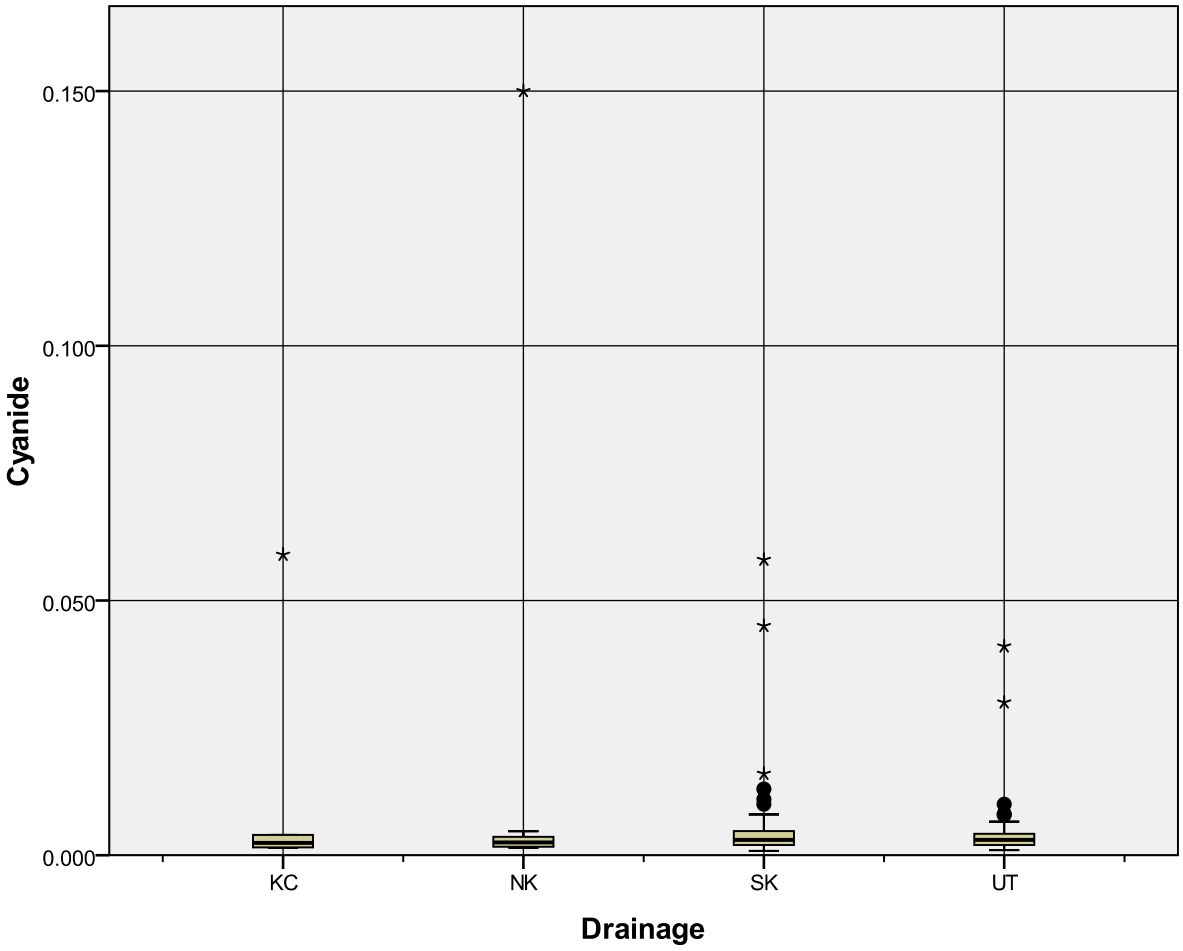

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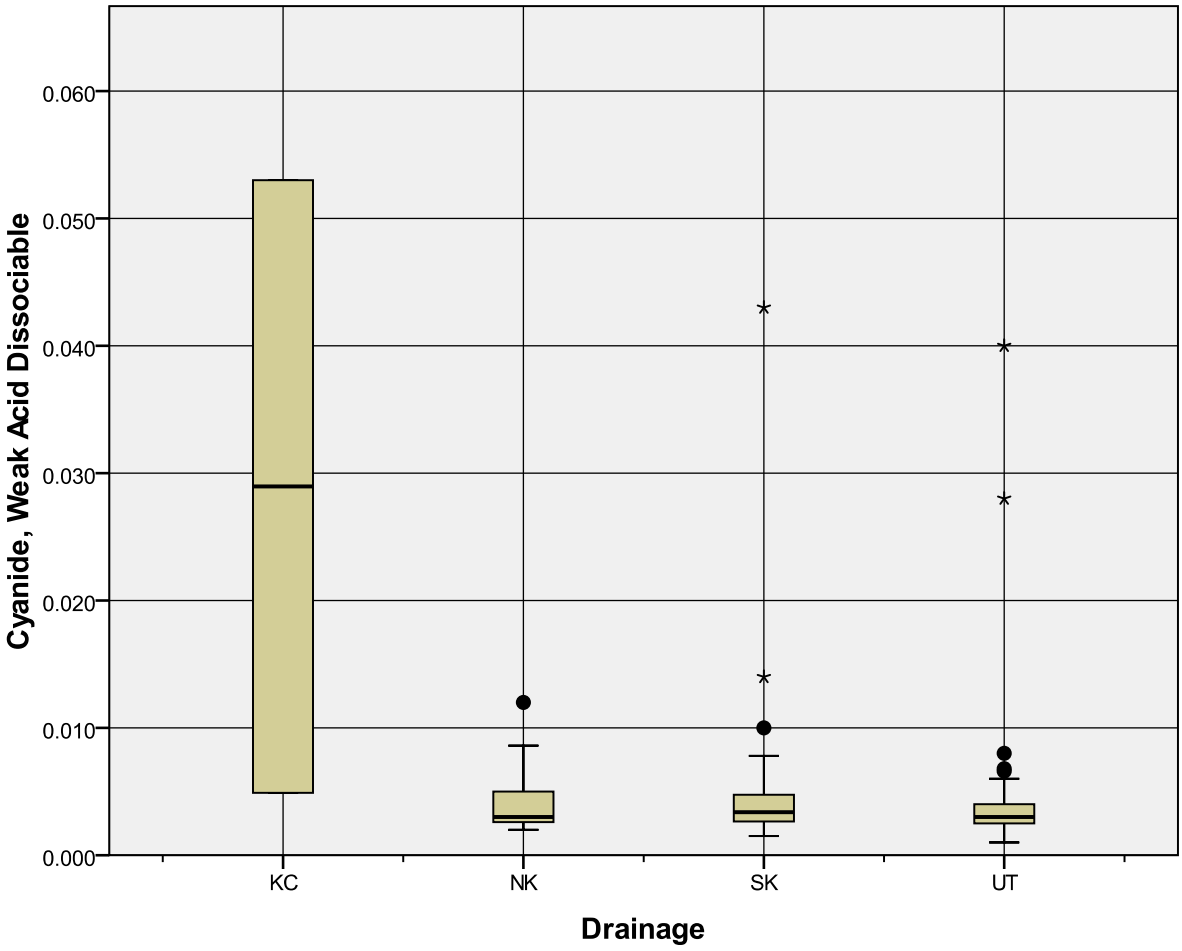

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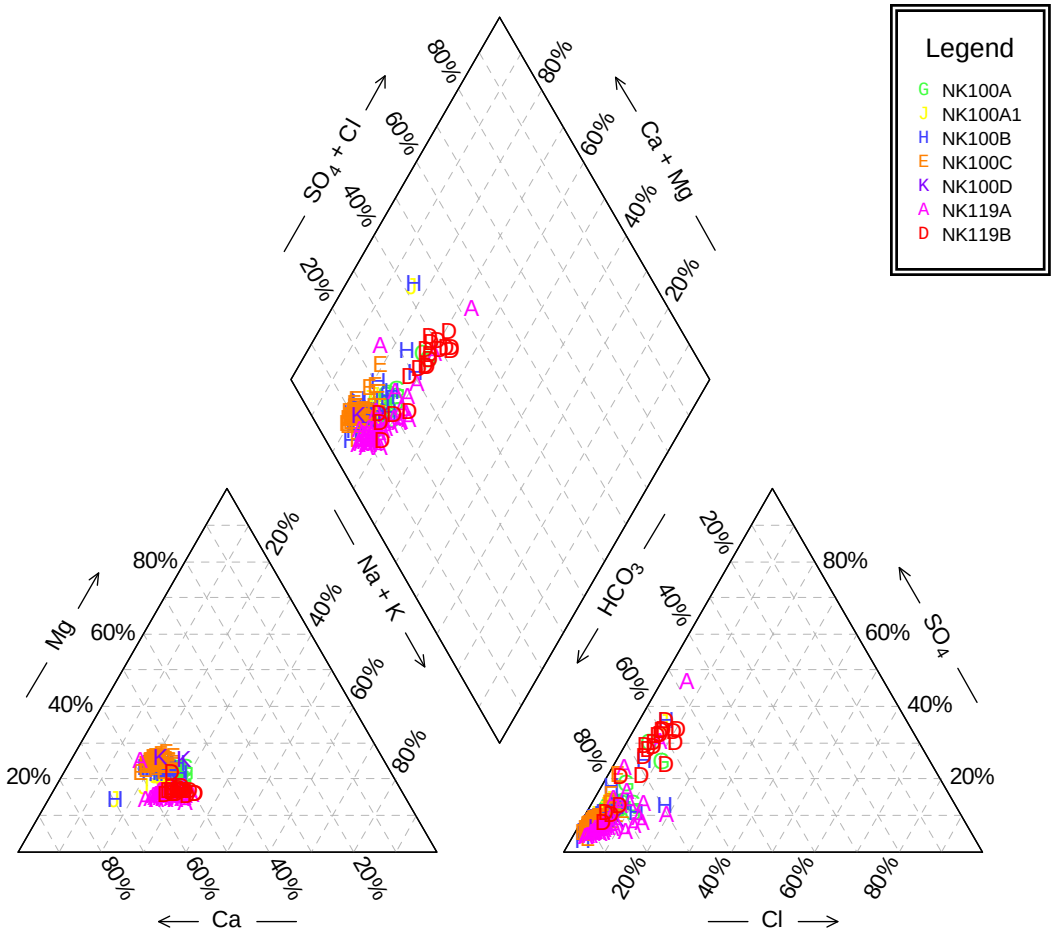
APPENDIX 9.1H

Piper Plots for Rivers, Mine Study Area
2004-2008

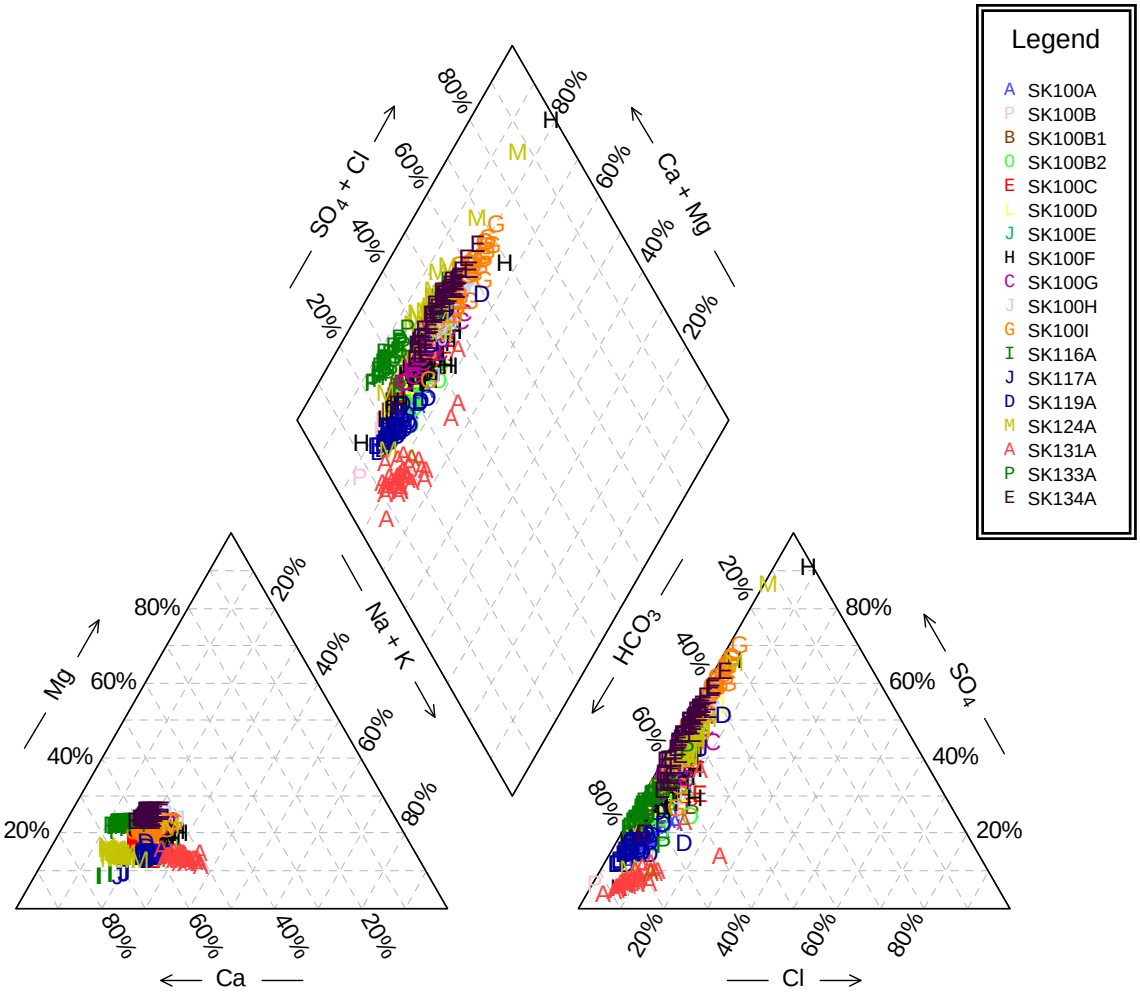
NORTH FORK KOKTULI RIVER

NORTH FORK KOKTULI RIVER



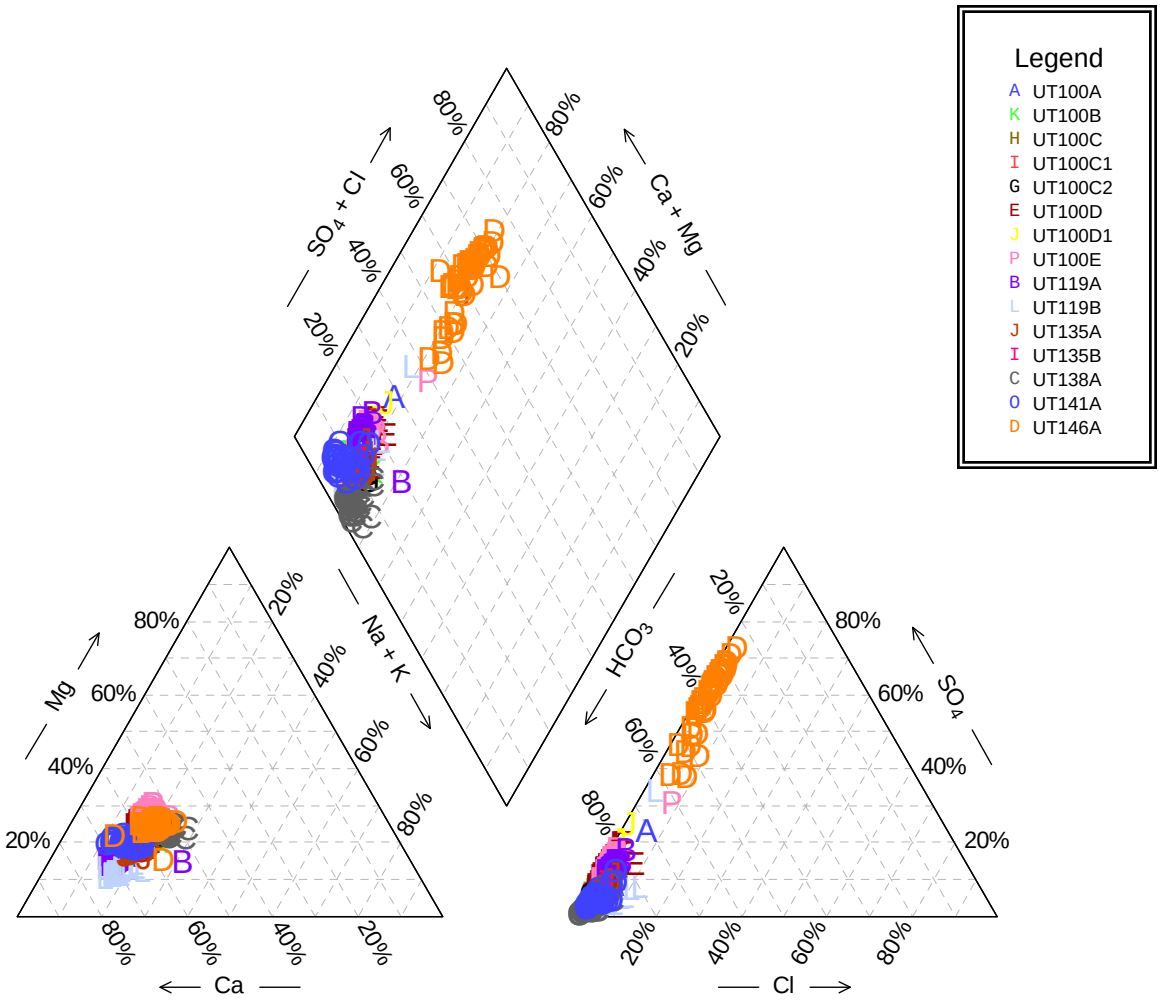
SOUTH FORK KOKTULI RIVER

SOUTH FORK KOKTULI RIVER



UPPER TALARIK CREEK

UPPER TALARIK CREEK



APPENDIX 9.1I

Seep Results Summary, Mine Study Area 2004-2008

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0104																					
Sample Date																					
05/21/04	5.45	6.58	7.83		81	4	3.1	16.0	36	33.8	0.800	**3.20**	12.5				**0.0155**		0.555	**0.0155**	4.88
09/16/04	5.45	1.69	16.33		68	59	1.5	6.13	25	30.0	**0.075**	**1.57**	**9.75**	**0.57**			**0.0155**		0.757		0.685
Mean	5.45	4.00	12.08	NA	75	32.00	2	11.1	31	32.0	0.44	2.40	11.1	0.57	NA	NA	0.0155	NA	0.656	0.0155	2.78
Median	5.45	4	12.08	NA	75	32.00	2	11.1	31	32.0	0.44	2.40	11.1	0.57	NA	NA	0.0155	NA	0.656	0.0155	2.78
St. Deviation	0	3	6.010	NA	9.0	39.00	1	7	8	3	0.51	1.20	1.9	NA	NA	NA	0	NA	0.143	NA	2.97
# of values	2	2	2	0	2	2	2	2	2	2	2	2	2	1	0	0	2	0	2	1	2
Minimum	5.45	1.69	7.83	NA	68	4	1.5	6.13	25	30	0.075	1.57	9.75	0.57	NA	NA	0.0155	NA	0.555	0.0155	0.685
Maximum	5.45	6.58	16.33	NA	81	59	3.1	16.0	36	33.8	0.800	3.20	12.5	0.57	NA	NA	0.0155	NA	0.757	0.0155	4.88
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	50%	50%	0%	0%			100%		0%	100%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	1	1	1			0		0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP0105																					
Sample Date																					
07/20/05	6.37	1.67	12.59	90.3	30	299.6	0.19	28.3	28.5	36.3	**0.408**	**2**	**8.5**	0.902			0.233		0.615	**0.0155**	4.71
08/22/05	5.95	1.61	12.74	91.1	34	229	0.3														
10/07/05	5.57	1.87	12.51	90.2	27	227.1	0.18	9.74	28.5	**5**	0.8	**0.785**	**7.5**	1.090			**0.014**		0.629	**0.05**	3.40
06/27/06	6.15	1.73	10.94	78.7	28	87.8	0.19	9.91	27.0	40.0	3.37	**2.00**	10.0	0.112	**0.050**	**0.0790**	0.0110	**0.05** J	0.713	**0.0340**	3.37
08/27/06	7.25	1.69	8.76	62.9	27	173.9	0.05	9.72	25.0	41.2	**0.075**	**1.57**	**9.00**	**0.0920**	**0.0155**	**0.0920**	0.0137	**0.0155**	0.644	**0.0370**	3.06
10/04/06	6.53	1.71	12.35	89.3	29	234.2	0.11	9.63	27.0	23.8	**0.0775**	**1.57**	**9.00**	**0.0810**	**0.0155**	**0.0650**	0.0140	**0.05** J	0.684	**0.0330**	3.69
08/06/07	6.77	1.94	11.81	85.3	40	38.6	0.52	17.0	43.0	30.0	**2.5**	**1**	**10**	0.130			**0.02**		**0.9**	**0.05**	6.50
09/06/07	6.36	1.77	11.23	80.7	44	208.1	0.1	19.0	44.0	30.0	**2.5**	**1**	**11**	0.150			**0.005**		**0.9**	**0.05**	7.50
10/26/07	7.03	1.60	8.79	63	31	122.9	0.13	16.0	37.0	40.0	**2.5**	**1**	**10**	0.110			**0.005**		**0.8**	**0.05**	4.00
08/03/08	7.49	1.85	11.44	82.4	28	174.9	0.44	9.45	18.5	10.0	**0.8**	**1.57**	**9.06**	0.122			0.043		0.514	**0.0155**	2.70
09/16/08	7.54	1.59	11.33	81.2	62	206.6	0.08	15.5	43.8	36.3	**0.0775**	**3.22**	11.8	0.137			0.0267		0.588	**0.0155**	5.42
11/03/08	7.00	1.29	10.76	76.3	31	215	0.09	13.0	38.5	23.8	**0.1565**	**1.57**	10.9	0.142			0.012		0.507	**0.0155**	4.31
Mean	6.67	2	11.27	81.0	34	184.8	0.20	14.3	33	29.0	1.21	1.57	10.0	0.279	0.0270	0.079	0.036	0.039	0.681	0.033	4.42
Median	6.65	2	11.39	81.8	31	207.4	0.2	13	28.5	30.0	0.8	1.57	10.0	0.130	0.0155	0.079	0.014	0.050	0.644	0.034	4.00
St. Deviation	0.62	0	1.340	9.70	10	71.40	0.1	5.8	9	12	1.25	0.68	1.0	0.358	0.0199	0.014	0.066	0.02	0.137	0.015	1.50
# of values	12	12	12	12	12	12	12	11	11	11	11	11	11	11	3	3	11	3	11	11	11
Minimum	5.57	1.29	8.76	62.9	27	38.6	0.05	9.45	18.5	5	0.075	0.785	7.5	0.081	0.0155	0.065	0.005	0.0155	0.507	0.0155	2.7
Maximum	7.54	1.94	12.74	91.1	62	299.6	0.52	28.3	44	41.2	3.37	3.22	11.8	1.090	0.050	0.092	0.233	0.0500	0.9	0.05	7.5
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	64%	73%	0%	0%	100%	0%	18%	100%	0%	73%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	2	3	8	2	0	3	2	0	3	3	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0104																									
Sample Date																									
05/21/04	**0.00125**	**0.00125**			**0.0155**	33.6	33.1	**0.100**	**0.100** U	**0.125**	**0.125**	6.39	6.35	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.050**	**0.0396**	4580	4660	**0.050**	**0.100**
09/16/04	**0.00125**	**0.00125**			0.0397	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.6	1.48	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	1930	1900	0.154	0.105
Mean	0.00125	0.00125	NA	NA	0.0276	23.1	22.8	0.07	0.07	0.125	0.125	4	3.92	0.0075	0.0075	0.75	0.75	1.55	1.55	0.033	0.0276	3260	3280	0.1	0.1
Median	0.00125	0.00125	NA	NA	0.0276	23.1	22.8	0.07	0.07	0.125	0.125	4	3.92	0.0075	0.0075	0.75	0.75	1.55	1.55	0.033	0.0276	3260	3280	0.1	0.1
St. Deviation	0	0	NA	NA	0.0171	14.9	14.6	0.04	0.04	0	0	3.4	3.44	0	0	0	0	0	0	0.024	0.017	1870	1950	0.07	0
# of values	2	2	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	1.6	1.48	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	1930	1900	0.05	0.1
Maximum	0.00125	0.00125	NA	NA	0.0397	33.6	33.1	0.1	0.1	0.125	0.125	6.39	6.35	0.0075	0.0075	0.75	0.75	1.55	1.55	0.05	0.0396	4580	4660	0.154	0.105
% of values undetected	100%	100%			50%	50%	50%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	50%	0%	0%	50%	50%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.05	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.036	0.037	NA	NA	9.329869239	8.023687545
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0105																									
Sample Date																									
07/20/05	**0.0046**	**0.0028**			**0.0155**	7.64	3.76	0.166	0.07 +	10.0	3.92	0.927	0.41	**0.01875**	**0.0075**	**0.0039**	**0.00155**	**5**	**5**	**0.0194**	**0.00775**	9420	3680	0.804	0.377
08/22/05																									
10/07/05	**0.00125**	**0.00125**			0.038	2.54	2.63	0.0738	0.0892	3.61	3.81	0.374	0.45	**0.0075**	**0.0075**	**0.00155**	0.0114	**5**	**4.6**	**0.00775**	**0.00775**	3180	3220	0.389	**0.175**
06/27/06	**0.0025**	**0.0025**			**0.050**	**2.50**	2.36	0.0806	0.0836	4.20	3.75	0.404		**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	3280	2980	**0.050**	**0.050**
08/27/06	**0.0025**	**0.0025**			**0.0155**	2.88	**1.74**	**0.0075**	**0.0075**	4.30	4.73	0.355	0.38	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3250	3630	**0.172**	0.327
10/04/06	**0.00075**	**0.0025**			**0.050**	**1.00**	**1.00**	0.0688	0.0578	4.11	4.14	0.381	0.38	**0.0125**	**0.0125**	**0.0184**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3200	3420	**0.050**	**0.050**
08/06/07	**0.0025**	**0.0025**			**0.025**	10.0	**2.5**	**0.2**	**0.2**	6.70	6.30	1.300	1	**0.05**	**0.05**	**20**	**20**	1.00	1.10	**0.05**	**0.05**	5300	5700	**0.3**	**0.3**
09/06/07	**0.0025**	**0.0025**			**0.025**	14.0	**2.5**	**0.2**	**0.2**	5.90	6.20	0.600		**0.05**	**0.05**	**20**	**20**	1.50	1.20	**0.05**	**0.05**	5800	6400	**0.25**	**0.05**
10/26/07	**0.0025**	**0.0025**			**0.025**	9.00	**2.5**	**0.2**	**0.2**	7.90	7.40	1.600		**0.05**	**0.05**	**20**	**20**	1.40	1.80	**0.05**	**0.05**	4800	5200	0.6	**0.25**
08/03/08	**0.00075**	**0.00075**			**0.050**	3.35	2.68	**0.0321**	0.0507	3.84	4.08	0.384		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3160	3630	0.301	0.426
09/16/08	**0.00075**	**0.00075**			**0.050**	3.24	**1.88**	0.0977	0.105	7.19	7.05	0.525		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5310	5380	0.229	0.272
11/03/08	**0.00075**	**0.00075**			**0.050**	2.09		0.0979	0.0934	7.78	7.55	0.428		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4460	4510	**0.050**	**0.11**
Mean	0.0019	0.0019	NA	NA	0.036	5.29	2.36	0.111	0.105	5.96	5.36	0.662	0.53	0.0228	0.022	5.4601	5.4598	1.90	1.88	0.023	0.022	4650	4340	0.29	0.217
Median	0.0025	0.0025	NA	NA	0.038	3.24	2.5	0.0977	0.0892	5.90	4.73	0.428	0.41	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0125	4460	3680	0.25	0.250
St. Deviation	0.0012	0.0009	NA	NA	0.015	4.18	0.72	0.069	0.066	2.12	1.55	0.428	0.27	0.0177	0.018	9.3384	9.3386	1.55	1.47	0.018	0.019	1880	1150	0.24	0.138
# of values	11	11	0	0	11	11	10	11	11	11	11	11	5	11	11	11	11	11	11	11	11	11	11	11	11
Minimum	0.00075	0.00075	NA	NA	0.0155	1.00	1	0.0075	0.0075	3.61	3.75	0.355	0.38	0.0075	0.0075	0.00155	0.00155	0.75	0.75	0.0075	0.0075	3160	2980	0.05	0.05
Maximum	0.0046	0.0028	NA	NA	0.05	14.0	3.76	0.2	0.2	10.0	7.55	1.600	1.00	0.05	0.05	20	20	5	5	0.05	0.05	9420	6400	0.804	0.426
% of values undetected	91%	91%			91%	18%	40%	36%	36%	0%	0%	0%	0%	100%	100%	91%	91%	73%	64%	100%	100%	0%	0%	36%	36%
# of values between MDL and PQL	1	1			1	0	2	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.00	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.047	0.048	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	27%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0104																									
Sample Date																									
05/21/04	**0.0540**		0.508	0.525	30.6	**17.5**	**0.050**	**0.050**	1100	1110	1.58		0.00230		**0.155**	**0.155**	0.201	0.401	638	647	**0.155**	**0.155**	2370	**0.00310**	**0.00310**
09/16/04	**0.0155**		**0.1**	**0.1**	**3.1**	**3.1**	**0.05**	**0.05**	320	313	**0.25**	**0.5**	**0.0005**		**0.155**	**0.155**	**0.1**	0.266	121	119	**0.155**	**0.155**	6710	**0.0031**	**0.0031**
Mean	0.035	NA	0.304	0.313	16.9	10.3	0.0500	0.0500	710	712	0.920	0.500	0.00140	NA	0.155	0.155	0.150	0.334	380	383	0.155	0.155	4540	0.0031	0.0031
Median	0.035	NA	0.304	0.313	16.9	10.3	0.0500	0.0500	710	712	0.920	0.500	0.00140	NA	0.155	0.155	0.150	0.334	380	383	0.155	0.155	4540	0.0031	0.0031
St. Deviation	0.027	NA	0.288	0.301	19.4	10.2	0	0	550	564	0.940	NA	0.00130	NA	0	0	0.0700	0.0950	366	373	0	0	3070	0	0
# of values	2	0	2	2	2	2	2	2	2	2	2	1	2	0	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0155	NA	0.1	0.1	3.1	3.1	0.050	0.050	320	313	0.25	0.5	0.0005	NA	0.155	0.155	0.1	0.266	121	119	0.155	0.155	2370	0.00310	0.00310
Maximum	0.054	NA	0.508	0.525	30.6	17.5	0.05	0.05	1100	1110	1.58	0.5	0.00230	NA	0.155	0.155	0.201	0.401	638	647	0.155	0.155	6710	0.0031	0.0031
% of values undetected	50%		50%	50%	50%	50%	100%	100%	0%	0%	50%	100%	50%		100%	100%	50%	0%	0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1		0	0	0	1	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.917	0.880	1000	1000	0.100	0.119	NA	NA	NA	NA	0.012	0.012	NA	NA	5.25	5.23	NA	NA	5	4.6	NA	0.038077686	0.032
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0105																									
Sample Date																									
07/20/05	**0.0104**	0.0106	**0.125**	0.193	**7.75**	**3.1**	**0.03875**	**0.05**	1170	454	**0.0775**	**0.1**	**0.000450**		2.34	0.917	0.291	0.259	387	158	**0.194**	**0.0775**	2700	**0.00775**	**0.0031**
08/22/05																									
10/07/05	0.0116		**0.0768**		**3.1**	**3.1**	**0.0155**		436	417	**0.0708**	**0.143**	**0.000450**		0.703		0.157		139	157	**0.0775**	**0.0775**	3010	**0.0031**	**0.0031**
06/27/06	**0.0100**	**0.0100**	**0.050**	**0.050**	**3.10**	**3.10**	**0.0250**	**0.0250**	418	402	0.0734	**0.0250**	**0.000475**		0.744	0.696	**0.100**	**0.100**	147	135	**0.155**	**0.155**	2860	**0.0031**	**0.0031**
08/27/06	**0.0065**	**0.0134**	**0.0788**	**0.0912**	**3.10**	**3.10**	0.137	**0.0155**	390	403	**0.0464**	**0.0350**	**0.00250**		0.749	0.779	**0.134**	**0.156**	140	156	**0.155**	**0.155**	2740	**0.0031**	**0.0031**
10/04/06	**0.0065**	**0.0065**	0.110	**0.050**	**3.10**	**9.43**	**0.0316**	**0.0155**	399	441	**0.0250**	**0.0250**	**0.000475**		0.897	0.909	**0.0832**	**0.115**	125	145	**0.155**	**0.155**	2810	**0.0031**	**0.0031**
08/06/07	**0.025**	**0.025**	**0.7**	**0.25**	**25**	**10**	**0.05**	**0.05**	**500**	**600**	**0.25**	**0.25**	**0.00250**		**1**	**1**	**0.3**	**0.3**	**150**	**1000**	**0.2**	**0.2**	2900	**0.025**	**0.025**
09/06/07	**0.05**	**0.025**	**0.25**	**0.25**	**30**	**25**	**0.05**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.2**	**0.2**	2900	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**400**	**600**	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3000	**0.025**	**0.025**
08/03/08	**0.0050**	**0.0104**	**0.0250**		**15.4**	**8.66**	**0.0155**	**0.0401**	380	432	0.0711		**0.00075**		0.827	0.773	**0.100**	0.275	128	157	**0.155**	**0.155**	3000	**0.0031**	**0.0105**
09/16/08	**0.0050**	**0.0050**	**0.0878**	0.116	**9.68**	**9.03**	**0.0155**	**0.0155**	548	588	0.0594	**0.0250**	**0.00075**		0.990	0.994	**0.100**	**0.100**	144	158	**0.155**	**0.155**	2870	**0.0031**	**0.0031**
11/03/08	**0.0050**	**0.0135**	0.113		**13.2**	**10.3**	**0.0155**	**0.0155**	452	499	0.0779		**0.00075**		0.962	0.876	**0.12**		139	157	**0.155**	**0.155**	3000	**0.0031**	**0.0063**
Mean	0.015	0.014	0.170	0.156	11.2	8.6	0.0404	0.0330	518	503	0.1138	0.120	0.00107	NA	1.11	0.994	0.180	0.210	164	229	0.150	0.140	2900	0.0095	0.010
Median	0.0100	0.012	0.110	0.155	9.68	9.0	0.0316	0.0330	436	454	0.0734	0.100	0.000750	NA	0.962	0.913	0.134	0.259	144	157	0.155	0.155	2900	0.0031	0.0031
St. Deviation	0.014	0.008	0.190	0.090	9.2	6.3	0.0352	0.0170	228	102	0.0889	0.100	0.000930	NA	0.492	0.283	0.100	0.0900	75.0	256	0.0470	0.0490	100	0.010	0.0099
# of values	11	10	11	8	11	11	11	10	11	11	11	9	11	0	11	10	11	9	11	11	11	11	11	11	11
Minimum	0.005	0.005	0.025	0.05	3.1	3.1	0.0155	0.0155	380	402	0.0250	0.0250	0.000169	NA	0.703	0.696	0.0832	0.100	125	135	0.05	0.05	2700	0.0031	0.0031
Maximum	0.05	0.025	0.7	0.25	30	25	0.137	0.05	1170	700	0.25	0.25	0.00250	NA	2.34	1.5	0.3	0.3	387	1000	0.2	0.2	3010	0.025	0.025
% of values undetected	73%	60%	45%	63%	64%	64%	82%	90%	0%	0%	45%	78%	100%		18%	20%	55%	56%	27%	27%	82%	82%	0%	100%	82%
# of values between MDL and PQL	2	3	4	1	4	4	1	1	3	3	2	2	0		1	1	3	2	0	0	2	2	0	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.253	1.203	1000	1000	0.160	0.181	NA	NA	NA	NA	0.012	0.012	NA	NA	7.15	7.12	NA	NA	5	4.6	NA	0.071321946	0.061
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0104										
Sample Date										
05/21/04	753	770	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.200**	2.12	2.29
09/16/04	1770	1740	**0.0125**	**0.041**	**0.155**	**0.155**	**0.125**	**0.125**	**0.75**	**0.75**
Mean	1262	1260	0.0125	0.0270	0.155	0.155	0.125	0.160	1.44	1.52
Median	1262	1260	0.0125	0.0270	0.155	0.155	0.125	0.160	1.44	1.52
St. Deviation	719	690	0	0.0200	0	0	0	0.0500	0.970	1.09
# of values	2	2	2	2	2	2	2	2	2	2
Minimum	753	770	0.0125	0.0125	0.155	0.155	0.125	0.125	0.75	0.75
Maximum	1770	1740	0.0125	0.041	0.155	0.155	0.125	0.200	2.12	2.29
% of values undetected	0%	0%	100%	50%	100%	100%	100%	100%	50%	50%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	12.01	11.84
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0105										
Sample Date										
07/20/05	3740	1490	**0.00775**	**0.0031**	**0.0775**	**0.16**	**0.25**	**0.209**	36.5	14.4
08/22/05										
10/07/05	1450	1450	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.275**		2.84	**1.47**
06/27/06	1400	1330	**0.0025**	0.0104	**0.0155**	**0.0572**	**0.110**	**0.110**	3.58	1.93
08/27/06	1260	1330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.714**	**0.250**	1.20	1.36
10/04/06	1310	1420	**0.0050**	**0.0102**	**0.050**	**0.050**	**0.250**	**0.250**	**0.155**	**0.50**
08/06/07	**1500**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/06/07	**1600**	**1800**	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.2**	**1**	**1**
10/26/07	**1500**	**1600**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
08/03/08	1280	1440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.11	1.60
09/16/08	1560	1610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/03/08	1380	1560	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.52
Mean	1630	1520	0.0353	0.0361	0.0480	0.0590	0.290	0.210	4.60	2.60
Median	1450	1490	0.00500	0.00500	0.0500	0.0500	0.250	0.180	1.00	1.40
St. Deviation	710	150	0.0735	0.0732	0.0150	0.0340	0.200	0.110	10.6	4.20
# of values	11	11	11	11	11	11	11	10	11	10
Minimum	1260	1330	0.0025	0.0031	0.0155	0.031	0.1	0.1	0.155	0.50
Maximum	3740	1800	0.25	0.25	0.0775	0.16	0.714	0.5	36.5	14.4
% of values undetected	0%	0%	100%	82%	100%	82%	82%	80%	55%	40%
# of values between MDL and PQL	3	3	0	1	0	2	2	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	16.36	16.13
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	9%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0204																					
Sample Date																					
05/21/04	5.43	9.17	7.33		85	19	0.5	13.2	33.0	25.0	**0.300**	**1.57**	12.0				**0.0155**		0.699	**0.050**	3.39
09/16/04	6.88	6.10	10.47		271	46	1.7	74.1	180	121	2.9	**1.57**	70.3	**0.57**			**0.0155**		0.796	**0.063**	22.0
Mean	6.16	8	8.900	NA	178	33.00	1	43.7	107	73	1.6	1.57	41.0	0.57	NA	NA	0.0155	NA	0.748	0.060	12.7
Median	6.16	8	8.900	NA	178	33.00	1	43.7	107	73	1.6	1.57	41.0	0.57	NA	NA	0.0155	NA	0.748	0.060	12.7
St. Deviation	1.03	2	2.220	NA	132	19.00	1.00	43.1	104	68	1.8	0	41.0	NA	NA	NA	0	NA	0.069	0.010	13.2
# of values	2	2	2	0	2	2	2	2	2	2	2	2	2	1	0	0	2	0	2	2	2
Minimum	5.43	6.1	7.33	NA	85	19	0.5	13.2	33	25	0.300	1.57	12	0.57	NA	NA	0.0155	NA	0.699	0.050	3.39
Maximum	6.88	9.17	10.47	NA	271	46	1.7	74.1	180	121	2.9	1.57	70.3	0.57	NA	NA	0.0155	NA	0.796	0.063	22
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	100%	0%	0%			100%		0%	50%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	1	0	0	1			0	NA	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	50%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	50%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		NA	0%	NA	0%	0%	0%
SP0205																					
Sample Date																					
07/19/05	6.79	1.71			32	-112.6	0.26	13.0	32.5	28.7	1.22	**0.785**	11	0.285			0.0445		0.718	**0.035**	2.59
08/22/05	6.06	1.77	12.38	89	35	235.7	0.16														
10/07/05	5.60	1.77	13.35	95.9	34	268.3	0.11	14.2	34.5	24.0	0.632	**1.75**	16.5	0.265			**0.017**		0.695	**0.05**	2.67
03/16/06	6.85	1.78	9.59	68.9	38	-78.7	0.56	12.6	37.0	15.0	2.74	**2.5**	12	0.221			0.014		0.703	**0.0155**	3.58
06/28/06	6.57	1.84	9.74	70.2	38	-31.2	0.83	13.2	36.0	30.0	**0.075**	**3.25**	14.0	0.308	**0.050**	0.266	0.0170	**0.05** J	0.745	**0.0560**	3.16
08/27/06	6.31	1.87	8.86	63.9	34	185.2	0.05	17.2	31.0	47.5	5.00	**3.25**	12.0	0.244	**0.0155**	0.243	0.0170	**0.0155**	0.756	**0.0550**	2.82
10/03/06	5.75	1.92	10.16	73.5	35	225.5	0.08	13.5	36.0	32.5	**0.306**	**1.57**	12.0	0.186	**0.0155**	0.165	**0.0069**		0.749	**0.0880**	3.12
05/25/07	6.68	1.96	12.4	89.6	39	134.8	0.08	14.6	38.0	30.0	**0.1595**	**1.57**	13.3	0.279			0.0358		0.763	**0.0530**	3.08
08/03/07	7.08	1.96	9.16	66.2	43	54.2	1.27	15.0	41.0	20.0	**10**	**1**	**12**	0.250			**0.01**		**1.5**	**0.05**	3.50
09/06/07	6.39	1.97	10.46	75.6	34	187.1	0.08	17.0	38.0	40.0	**2.5**	**1**	**13**	0.200			**0.005**		**0.9**	**0.05**	3.60
10/26/07	6.04	1.89	8.16	59	35	192.2	0.05	16.0	39.0	40.0	**2.5**	**1**	**12**	0.250			**0.005**		**0.8**	**0.05**	**2.7**
06/03/08	6.73	1.82	10.67	76.9	32	247.1	0.07	13.3	36.8	**7.5**	**0.406**	**1.57**	12.9	0.340			0.0126		0.638	**0.042**	2.07
08/03/08	7.38	1.92	11.77	84.9	32	198.5	0.1	11.9	22.9	38.8	**0.6**	**1.57**	12.3	0.242			0.0204		0.554	**0.047**	2.43
09/16/08	7.06	1.94	11.25	81.2	36	230.9	0.14	13.3	38.3	32.5	1.25	**1.57**	12.4	0.255			0.016		0.549	**0.048**	2.62
11/04/08	6.40	1.85	10.97	78.9	35	267.5	0.13	13.2	39.1	28.8	**0.1565**	**1.57**	12.7	0.281			0.0146		0.564	**0.05**	2.72
Mean	6.51	2	10.64	76.7	35	147.0	0.3	14.1	36	30.0	1.97	1.71	13.0	0.258	0.027	0.225	0.017	0.03	0.760	0.049	2.90
Median	6.57	1.87	10.57	76.3	35	192.2	0.11	13.4	37	30.0	0.93	1.57	12.0	0.253	0.0155	0.243	0.015	0.033	0.732	0.050	2.77
St. Deviation	0.5	0	1.490	10.7	3.0	127.3	0.4	1.6	5	11.0	2.7	0.78	1.0	0.041	0.0199	0.053	0.011	0.02	0.235	0.015	0.45
# of values	15	15	14	14	15	15	15	14	14	14	14	14	14	14	3	3	14	2	14	14	14
Minimum	5.6	1.71	8.16	59	32	-112.6	0.05	11.9	22.9	7.5	0.075	0.785	11	0.186	0.0155	0.165	0.005	0.0155	0.549	0.0155	2.07
Maximum	7.38	1.97	13.35	95.9	43	268.3	1.27	17.2	41	47.5	10	3.25	16.5	0.340	0.050	0.266	0.0445	0.050	1.5	0.088	3.6
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	71%	0%	0%	100%	0%	14%	100%	0%	36%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	4	4	3	0	0	0	3	0	3	9	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0204																									
Sample Date																									
05/21/04	**0.00125**	**0.00125**			**0.0155**	28.7	**31.25**	**0.0385**	**0.0965**	**0.125**	**0.3125**	5.02	5.60	**0.0075**	**0.01875**	**0.75**	**1.875**	**1.55**	**1.55**	**0.0155**	**0.03875**	3940	3980	**0.050**	**0.125**
09/16/04	**0.00125**	**0.00125**			0.044	**12.5**	**3.9**	**0.0385**	**0.0385**	**0.125**	**0.125**	5.54	5.13	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	23300	22500	0.411	0.330
Mean	0.00125	0.00125	NA	NA	0.03	20.6	17.6	0.0385	0.0675	0.125	0.219	5.28	5.40	0.0075	0.0131	0.75	1.31	1.55	1.55	0.0155	0.0271	13620	13240	0.23	0.228
Median	0.00125	0.00125	NA	NA	0.03	20.6	17.6	0.0385	0.0675	0.125	0.219	5.28	5.40	0.0075	0.0131	0.75	1.31	1.55	1.55	0.0155	0.0271	13620	13240	0.23	0.228
St. Deviation	0	0	NA	NA	0.02	11.5	19.3	0	0.041	0	0.133	0.37	0.30	0	0.008	0	0.8	0	0	0	0.0164	13690	13100	0.26	0.145
# of values	2	2	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00125	0.00125	NA	NA	0.0155	12.5	3.9	0.0385	0.0385	0.125	0.125	5.02	5.13	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	3940	3980	0.05	0.125
Maximum	0.00125	0.00125	NA	NA	0.044	28.7	31.25	0.0385	0.0965	0.125	0.3125	5.54	5.60	0.0075	0.01875	0.75	1.875	1.55	1.55	0.0155	0.03875	23300	22500	0.411	0.330
% of values undetected	100%	100%			50%	50%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	50%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.04	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.070	0.069	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0205																									
Sample Date																									
07/19/05	**0.00125**	**0.00125**			**0.0155**	4.32	**1**	0.0832	0.0798 +	0.695	0.713	0.838	0.86	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4120	4090	0.469	0.396
08/22/05																									
10/07/05	**0.00125**	**0.00125**			**0.0155**	21.0	**1.57**	0.0876	0.0774	0.843	0.697	1.15	0.91	**0.0075**	**0.0075**	**0.005**		**1.55**	**1.55**	**0.00775**	**0.00775**	4550	4260	0.5	0.603
03/16/06	**0.0025**	**0.0025**			**0.0155**	17.0	**1**	0.134	0.0996	0.820	0.609	1.06	1.10	**0.012**	**0.012**	**0.025**	**0.0075**	**2.5**	**2.5**	**0.0125**	**0.0125**	3920	4190	0.308	0.424
06/28/06	**0.00105**	**0.00075**			**0.050**	4.42	**1.00**	0.0866	0.0888	0.595	0.577	1.04	0.99	**0.0120**	**0.0120**	**0.0075**	0.0172	**2.50**	**0.75**	**0.0125**	**0.0125**	4160	4000	**0.100**	
08/27/06	**0.00075**	**0.00075**			**0.0155**	891	**1.17**	**0.0075**	**0.0075**	1.840	0.533	11.50	0.93	0.0726	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5310	4470	1.18	0.641
10/03/06	**0.00075**	**0.00075**			**0.050**	3.33	**1.00**	0.0674	0.0688	0.692	**0.412**	0.948	1.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4220	4160	**0.138**	**0.050**
05/25/07	**0.00075**	**0.00075**			**0.0155**	2.08	**1.00**	0.0926	0.0748	0.505	0.661	0.934		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4590	4930	0.404	**0.100**
08/03/07	**0.0025**	**0.0025**			**0.025**	**2.5**		**0.2**	**0.2**	**0.7**	**0.7**	1.10	1.20	**0.05**	**0.05**	**20**	**20**	1.00	2.00	**0.05**	**0.05**	4700	4700	**0.3**	**0.05**
09/06/07	**0.0025**	**0.0025**			**0.025**	8.00	11	**0.2**	**0.2**	**0.8**	**0.6**	1.20	1.70	**0.05**	**0.05**	**20**	**20**	1.40	1.50	**0.05**	**0.05**	4700	5400	**0.05**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	11.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.7**	2.20		**0.05**	**0.05**	**20**	**20**	1.40	2.00	**0.05**	**0.05**	4600	5200	0.7	**0.25**
06/03/08	0.011	**0.00075**			0.224	7.87	2.44	**0.0344**	**0.0349** J	0.687	0.716	1.02	1.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4170	4090	0.217	0.413
08/03/08	**0.00075**	**0.00075**			**0.050**	2.26	**1.00**	**0.0496**	0.0559	0.681	0.576	0.81		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3800	4250	0.288	0.412
09/16/08	**0.0025**	**0.00075**			**0.050**	8.72	2.16	0.076	0.0978	0.642	0.656	0.93		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4220	4600	0.428	0.365
11/04/08	**0.00075**	**0.00075**			**0.050**	**1.00**	2.61	0.0906	0.0974	**0.485**	0.559	0.907	0.98	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4250	4240	**0.1**	**0.124**
Mean	0.0022	0.00132	NA	NA	0.045	70.3	2.3	0.1007	0.0988	0.731	0.622	1.83	1.08	0.024	0.02	4.2923	4.6214	1.48	1.47	0.019	0.019	4380	4470	0.37	0.314
Median	0.0013	0.00075	NA	NA	0.025	6.15	1.17	0.0871	0.0843	0.69	0.633	1.03	0.99	0.013	0.013	0.0075	0.0075	1.25	1.25	0.01	0.01	4240	4260	0.304	0.365
St. Deviation	0.0027	0.00079	NA	NA	0.054	236	2.7	0.0614	0.0604	0.354	0.087	2.8	0.24	0.022	0.016	8.5128	8.7671	0.46	0.44	0.017	0.017	390	440	0.296	0.196
# of values	14	14	0	0	14	14	13	14	14	14	14	14	10	14	14	14	13	14	14	14	14	14	14	14	13
Minimum	0.00075	0.00075	NA	NA	0.0155	1	1	0.0075	0.0075	0.250	0.412	0.81	0.86	0.0075	0.0075	0.00155	0.00155	1.00	0.75	0.0075	0.0075	3800	4000	0.05	0.05
Maximum	0.011	0.0025	NA	NA	0.224	891	11	0.2	0.2	1.840	0.716	11.5	1.70	0.0726	0.05	20	20	2.50	2.5	0.05	0.05	5310	5400	1.18	0.641
% of values undetected	93%	100%			93%	14%	54%	29%	29%	7%	0%	0%	0%	93%	100%	100%	92%	79%	79%	100%	100%	0%	0%	14%	38%
# of values between MDL and PQL	0	0			0	0	2	2	1	3	4	0	0	0	0	0	1	0	0	0	0	0	0	3	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.02	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.057	0.057	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0204																									
Sample Date																									
05/21/04	**0.0458**		0.499	0.565	47.5	**30.3**	**0.050**	**0.125**	808	838	3.98	6.05	0.00130		**0.155**	**0.3875**	**0.100**	**0.250**	228	252	**0.155**	**0.3875**	2690	**0.00310**	**0.00775**
09/16/04	**0.05**		0.259	0.220	**19.9**	**7**	**0.05**	**0.05**	3850	3710	1.47	1.15	**0.0005**		1.71	1.87	0.737	0.760	1330	1300	**0.981**	**0.903**	7020	**0.0031**	**0.0031**
Mean	0.048	NA	0.379	0.393	33.7	19.0	0.0500	0.0900	2329	2274	2.73	3.60	0.000900	NA	0.930	1.13	0.420	0.510	779	780	0.568	0.645	4860	0.0031	0.0054
Median	0.048	NA	0.379	0.393	33.7	19.0	0.0500	0.0900	2329	2274	2.73	3.60	0.000900	NA	0.930	1.13	0.420	0.510	779	780	0.568	0.645	4860	0.0031	0.0054
St. Deviation	0.003	NA	0.17	0.244	19.5	16.0	0	0.0500	2151	2031	1.77	3.46	0.000600	NA	1.10	1.05	0.450	0.360	779	740	0.584	0.365	3060	0	0.0033
# of values	2	0	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0458	NA	0.259	0.220	19.9	7	0.050	0.05	808	838	1.47	1.15	0.0005	NA	0.155	0.3875	0.100	0.250	228	252	0.155	0.3875	2690	0.00310	0.0031
Maximum	0.05	NA	0.499	0.565	47.5	30.3	0.05	0.125	3850	3710	3.98	6.05	0.00130	NA	1.71	1.87	0.737	0.760	1330	1300	0.981	0.903	7020	0.0031	0.00775
% of values undetected	50%		0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	50%		50%	50%	50%	50%	0%	0%	50%	50%	0%	100%	100%
# of values between MDL and PQL	1		0	0	1	2	0	0	0	0	0	0	0		0	0	0	0	0	0	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.974	1.895	1000	1000	0.315	0.332	NA	NA	NA	NA	0.012	0.012	NA	NA	11.21	11.18	NA	NA	5	4.6	NA	0.178171358	0.151
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0205																									
Sample Date																									
07/19/05	**0.0094**	0.0114	0.152	0.101	**3.1**	**3.1**	**0.05**	0.177	652	662	**0.1**	**0.031**	**0.000450**		2.60	2.57	0.172		188	194	**0.0775**	**0.0775**	4050	**0.0031**	**0.0031**
08/22/05																									
10/07/05	0.0322	0.0254	7.51	0.178	32.3	**3.1**	**0.0155**		697	704	0.777	**0.0746**	**0.000450**		2.59	2.50	0.237		199	204	**0.0775**	**0.0775**	4570	**0.0031**	**0.0031**
03/16/06	**0.01**	**0.01**	**0.05**	0.127	**10.4**	**3.1**	**0.025**	0.0796	678	719	0.282	**0.025**	**0.000475**		2.22	2.13	**0.127**	**0.11**	169	181	**0.451**	**0.155**	3860	**0.0031**	**0.0031**
06/28/06	0.0236	0.0286	0.117	0.194	**3.10**	**3.10**	**0.0250**		692	643	0.332	0.0650	**0.000475**		2.00	2.01	0.211		178	178	**0.155**	**0.155**	4220	**0.0031**	**0.0031**
08/27/06	0.595	**0.0174**	1.40	0.278	912	**3.10**	0.836	0.121	953	618	43.00	0.106	**0.000475**		1.97	2.15	0.779	0.439	307	212	**0.155**	**0.155**	3890	0.022	**0.0031**
10/03/06	**0.0065**	**0.0065**	**0.050**		**10.8**	**10.1**	**0.0155**		708	700	0.0620	0.0904	**0.000475**		2.40	2.48	**0.0980**	0.293	173	166	**0.155**	**0.155**	4120	**0.0031**	**0.0031**
05/25/07	**0.0120**	**0.0102**	0.124		**13.0**	**3.10**	**0.0155**	**0.0155**	766	816	**0.0250**	0.0874	**0.000169**		2.20	2.22	**0.100**	**0.100**	198	228	**0.155**	**0.155**	4190	**0.0031**	**0.0031**
08/03/07	**0.07**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.000169**		**2.3**	**2.4**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	4300	**0.025**	**0.025**
09/06/07	**0.05**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**800**	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3800	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1500	**800**	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**1900**	**300**	**0.05**	**0.05**	4500	**0.025**	**0.025**
06/03/08	**0.0050**	**0.0103**	**0.0737**		**12.6**	**9.12**	**0.0155**	**0.0356**	689	698	0.204	0.24	**0.00075**		2.56	2.50	**0.0678**		180	192	**0.155**	**0.155**	4350	**0.0031**	**0.0031**
08/03/08	**0.0050**	**0.0050**	**0.0250**	0.118	**14.3**	**16.9**	**0.0155**	**0.0155**	593	696	**0.0250**		**0.00075**		2.53	2.44	**0.100**	0.291	163	211	**0.155**	**0.155**	4090	**0.0031**	**0.0031**
09/16/08	**0.0050**	**0.0050**	0.136		**11.5**	**11.8**	**0.0155**	**0.0913**	664	764	0.215	0.0911	**0.00075**		2.32	2.43	**0.100**	0.239	180	226	**0.155**	**0.155**	4080	**0.0031**	**0.0031**
11/04/08	**0.0050**	**0.0128**	0.302		**11.8**	**13.6**	**0.0155**	**0.0155**	635	655	0.0880		**0.00374**		2.51	2.56	**0.128**		180	202	**0.155**	**0.155**	4230	**0.0031**	**0.011**
Mean	0.061	0.016	0.764	0.194	77.1	8.0	0.0853	0.0637	752	713	3.28	0.130	0.000842	NA	2.20	2.24	0.220	0.260	369	200	0.143	0.121	4160	0.0092	0.0084
Median	0.011	0.012	0.144	0.194	11.7	10.0	0.0203	0.0500	691	700	0.230	0.0910	0.000475	NA	2.30	2.42	0.150	0.293	180	198	0.155	0.155	4160	0.0031	0.0031
St. Deviation	0.155	0.009	1.972	0.067	240.4	5.0	0.217	0.0505	232	62	11.4	0.0900	0.00102	NA	0.400	0.360	0.180	0.100	492	38.0	0.100	0.0470	230	0.010	0.0093
# of values	14	14	14	9	14	14	14	11	14	14	14	12	14	0	14	14	14	9	14	14	14	14	14	14	14
Minimum	0.005	0.005	0.025	0.101	3.1	3.10	0.0155	0.0155	593	618	0.0250	0.025	0.000169	NA	1.5	1.5	0.0678	0.100	150	150	0.05	0.05	3800	0.0031	0.0031
Maximum	0.595	0.0286	7.51	0.278	912	16.9	0.836	0.177	1500	816	43.00	0.25	0.00374	NA	2.60	2.57	0.779	0.439	1900	300	0.451	0.155	4570	0.025	0.025
% of values undetected	50%	50%	43%	33%	36%	64%	93%	55%	0%	0%	43%	42%	93%		14%	14%	43%	44%	14%	14%	93%	100%	0%	93%	93%
# of values between MDL and PQL	4	4	1	0	7	5	0	2	2	3	0	1	1		1	1	4	1	1	1	1	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.562	1.500	1000	1000	0.222	0.243	NA	NA	NA	NA	0.012	0.012	NA	NA	8.89	8.87	NA	NA	5	4.6	NA	0.111267802	0.095
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	7%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0204										
Sample Date										
05/21/04	1310	1530	**0.0125**	**0.03125**	**0.155**	**0.3875**	**0.125**	**0.3125**	**0.75**	**0.59**
09/16/04	2720	2680	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.276**	**0.275**	**0.75**	**0.75**
Mean	2020	2110	0.0125	0.0219	0.155	0.271	0.201	0.294	0.750	0.670
Median	2020	2110	0.0125	0.0219	0.155	0.271	0.201	0.294	0.750	0.670
St. Deviation	1000	810	0	0.0133	0	0.164	0.107	0.0270	0	0.110
# of values	2	2	2	2	2	2	2	2	2	2
Minimum	1310	1530	0.0125	0.0125	0.155	0.155	0.125	0.275	0.75	0.59
Maximum	2720	2680	0.0125	0.03125	0.155	0.3875	0.276	0.3125	0.75	0.75
% of values undetected	0%	0%	100%	100%	100%	100%	50%	50%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	25.69	25.33
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0205										
Sample Date										
07/19/05	1920	1930	**0.0031**	**0.0031**	**0.031**	**0.031**	0.584	0.530	11.4	
08/22/05										
10/07/05	1990	1990	**0.0031**	**0.0086**	**0.031**	**0.031**	**0.1**	**0.311**	4.91	**1.13**
03/16/06	1770	1870	0.0112	**0.0025**	0.653	**0.0155**	**0.25**	**0.11**	0.727	
06/28/06	1860	1770	**0.0070**	**0.0096**	**0.050**	**0.0155**	**0.319**	**0.110**	1.20	0.994
08/27/06	2000	1760	**0.0050**	**0.0050**	**0.050**	**0.050**	1.95	**0.250**	4.80	**0.871**
10/03/06	1920	1890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.155**	**0.50**
05/25/07	2030	1990	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
08/03/07	**1900**	**1900**	0.500	**0.4**	**0.1**	**0.05**	**0.4**	**0.3**	**1**	**4**
09/06/07	**1900**	2100	**0.25**	**0.25**	**0.05**	**0.05**	**0.5**	**0.3**	**5**	**1**
10/26/07	2100	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
06/03/08	1970	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.47**	1.30
08/03/08	1720	1770	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
09/16/08	1850	1910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.35
11/04/08	1780	1860	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.17	1.67
Mean	1910	1920	0.0614	0.0542	0.0940	0.0420	0.402	0.220	2.40	1.40
Median	1910	1910	0.00500	0.00500	0.0500	0.0500	0.250	0.160	1.00	1.10
St. Deviation	110	110	0.142	0.119	0.162	0.0130	0.472	0.120	3.20	1.00
# of values	14	14	14	14	14	14	14	14	14	10
Minimum	1720	1760	0.0031	0.0025	0.031	0.0155	0.1	0.1	0.155	0.50
Maximum	2100	2100	0.500	0.4	0.653	0.05	1.95	0.530	11.4	4
% of values undetected	0%	0%	79%	79%	86%	100%	71%	71%	50%	30%
# of values between MDL and PQL	2	1	1	3	1	0	2	3	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	20.37	20.09
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0304																					
Sample Date																					
05/22/04	5.83	14.38	6.54		115	26	0.2	23.7	70.0	56.3	1.60	**1.57**	14	0.642			**0.0155**		0.904	0.105	12.3
Mean	5.83	14.38	6.540	NA	115	26.00	0.20	23.7	70.0	56.3	1.60	1.57	14	0.642	NA	NA	0.0155	NA	0.904	0.105	12.3
Median	5.83	14.38	6.540	NA	115	26.00	0.20	23.7	70.0	56.3	1.60	1.57	14	0.642	NA	NA	0.0155	NA	0.904	0.105	12.3
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1
Minimum	5.83	14.38	6.54	NA	115	26	0.2	23.7	70	56.3	1.60	1.57	14	0.642	NA	NA	0.0155	NA	0.904	0.105	12.3
Maximum	5.83	14.38	6.54	NA	115	26	0.2	23.7	70	56.3	1.60	1.57	14	0.642	NA	NA	0.0155	NA	0.904	0.105	12.3
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	100%	0%	0%			100%		0%	0%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	0	0			0		0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	100%	NA	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP0305																					
Sample Date																					
07/19/05	7.09	2.86			47	-120	0.21	19.2	44.5	40.0	0.938	**1.65**	20.0	0.71			0.142		0.727	**0.035**	7.06
08/22/05	5.76	2.92	11.62	86.1	46	235.6	0.09														
10/07/05	5.70	2.84	10.72	79.3	47	239	0.13	20.5	48.0	39.0	**0.147**	6.5	21.5	0.64			**0.018**		0.659	**0.05**	0.80
06/27/06	6.42	2.92	10.14	75.2	48	-49.9	0.16	17.6	46.0	60.0	0.510	5.50	20.0	0.75	**0.050**	0.695	0.0240		0.773	**0.0640**	0.79
08/27/06	5.89	2.83	7.92	58.6	46	165.9	0.1	21.2	46.0	67.5	**0.076**	**8.25**	22.0	0.81	**0.0155**	0.808	0.0145	**0.0155**	0.802	**0.0840**	0.70
10/03/06	6.11	2.86	10.91	80.8	45	220.6	0.08	20.3	48.0	45.0	**0.075**	**9.25**	23.0	0.44	**0.0155**	0.418	0.0100		0.728	**0.0570**	0.93
05/23/07	5.54	2.85	12.88	93.9	44	235.7	0.63	16.8	44.0	47.5	**0.1545**	**5.00**	30.0	1.05			0.0160		0.786	**0.0610**	0.88
08/03/07	6.55	2.92	8.96	66.5	52	57.7	0.26	20.0	51.0	40.0	**2.5**	**1**	**18**	0.69			**0.025**		**1.0**	**0.05**	**0.9**
09/08/07	5.67	3.04	9.25	68.7	45	191.9	0.11	20.0	50.0	30.0	**2.5**	**1**	21.0	0.62			**0.01**		**1.0**	**0.05**	**1.1**
10/26/07	5.83	2.82	9.8	72.5	48	228.2	0.05	20.0	52.0	40.0	**2.5**	**1**	22.0	0.62			**0.02**		**0.8**	**0.05**	**0.25**
Mean	6.06	3	10.24	75.7	47	140.5	0.2	19.5	48	45.0	1.04	4.4	22.0	0.70	0.027	0.640	0.031	0.016	0.808	0.056	1.49
Median	5.86	3	10.14	75.2	47	206.3	0.1	20	48	40.0	0.51	5.00	21.5	0.69	0.0155	0.695	0.018	0.016	0.786	0.050	0.88
St. Deviation	0.49	0	1.490	10.7	2.0	131.7	0.2	1.4	3	12.0	1.13	3.3	3.0	0.17	0.0199	0.201	0.042	NA	0.118	0.014	2.10
# of values	10	10	9	9	10	10	10	9	9	9	9	9	9	9	3	3	9	1	9	9	9
Minimum	5.54	2.82	7.92	58.6	44	-120	0.05	16.8	44	30.0	0.075	1	18	0.44	0.0155	0.418	0.0100	0.0155	0.659	0.035	0.25
Maximum	7.09	3.04	12.88	93.9	52	239	0.63	21.2	52	67.5	2.5	9.25	30.0	1.05	0.050	0.808	0.142	0.016	1	0.084	7.06
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%	33%	0%	0%	100%	0%	11%	100%	0%	44%	11%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	3	0	3	5	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0304																									
Sample Date																									
05/22/04	**0.00125**	**0.00125**			**0.0155**	**12.5**	**12.5**	0.236	**0.100** U	**0.125**	**0.125**	4.15	3.90	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	0.125	0.112	7090	6560	**0.050**	**0.100**
Mean	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.236	0.10	0.125	0.125	4.15	3.90	0.0075	0.0075	0.75	0.75	1.55	1.55	0.125	0.112	7090	6560	0.050	0.100
Median	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.236	0.1	0.125	0.125	4.15	3.90	0.0075	0.0075	0.75	0.75	1.55	1.55	0.125	0.112	7090	6560	0.05	0.100
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minimum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.236	0.1	0.125	0.125	4.15	3.90	0.0075	0.0075	0.75	0.75	1.55	1.55	0.125	0.112	7090	6560	0.05	0.100
Maximum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.236	0.1	0.125	0.125	4.15	3.90	0.0075	0.0075	0.75	0.75	1.55	1.55	0.125	0.112	7090	6560	0.05	0.100
% of values undetected	100%	100%			100%	100%	100%	0%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.093	0.090	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0305																									
Sample Date																									
07/19/05	**0.00125**	**0.00125**			**0.0155**	69.9	2.29	0.0196	0.0214 +	**0.125**	**0.253**	4.15	3.59	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5700	5750	0.556	0.386
08/22/05																									
10/07/05	**0.00125**	**0.00125**			**0.0155**	2.19	**1.84**	**0.0068**	**0.0048** J	**0.125**	**0.125**	3.72	3.81	**0.0075**	**0.0075**	0.0104	0.0176	**5.9**	**1.55**	**0.00775**	**0.00775**	6030	6020	0.361	
06/27/06	**0.00105**	**0.0025**			**0.050**	7.79	6.05	**0.0250**	**0.0250** U	**0.155**	**0.155**	3.68	3.66	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	5180	5530	**0.050**	
08/27/06	**0.00075**	**0.00075**			**0.0155**	**1.78**	**1.79**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.62	3.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6410	6690	0.581	0.688
10/03/06	**0.00075**	**0.00075**			**0.050**	2.39	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.73	3.63	**0.0125**	**0.0125**	**0.0162**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5990	6350	0.404	0.229
05/23/07	**0.00075**	**0.00075**			**0.050**	2.08	**1.00**	**0.0250**	**0.0250** U	**0.155**	**0.155**	3.51	4.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4990	5210	0.453	0.309
08/03/07	**0.0025**	**0.0025**			**0.025**	12.0	8	**0.2**	**0.2**	**0.25**	**0.25**	3.70	4.50	**0.05**	**0.05**	**20**	**20**	1.10		**0.05**	**0.05**	5800	5900	0.500	0.600
09/08/07	**0.0025**	**0.0025**			**0.025**	13.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	3.60	4.20	**0.05**	**0.05**	**20**	**20**	1.80	1.30	**0.05**	**0.05**	5600	6000	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	5.00	5.30	**0.05**	**0.05**	**20**	**20**	1.50	1.70	**0.05**	**0.05**	6200	6100	0.600	**0.25**
Mean	0.0015	0.0016	NA	NA	0.03	12.6	3.00	0.077	0.077	0.18	0.194	3.86	4.08	0.024	0.024	6.672	6.6721	1.82	1.33	0.0247	0.0247	5770	5950	0.417	0.387
Median	0.00125	0.00125	NA	NA	0.025	2.5	2.29	0.025	0.025	0.155	0.155	3.7	3.86	0.0125	0.0125	0.0104	0.0075	1.25	1.28	0.0185	0.0185	5800	6000	0.453	0.309
St. Deviation	0.0008	0.0008	NA	NA	0.015	21.9	2.40	0.093	0.093	0.054	0.054	0.46	0.55	0.02	0.02	9.996	9.9959	1.56	0.29	0.0194	0.0194	460	430	0.178	0.185
# of values	9	9	0	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	9	9	9	9	9	7
Minimum	0.00075	0.00075	NA	NA	0.0155	1.78	1	0.0068	0.0048	0.125	0.125	3.51	3.59	0.0075	0.0075	0.00155	0.00155	0.75	0.75	0.0075	0.0075	4990	5210	0.050	0.229
Maximum	0.0025	0.0025	NA	NA	0.05	69.9	8	0.2	0.2	0.25	0.253	5.00	5.30	0.05	0.05	20	20	5.9	1.70	0.05	0.05	6410	6690	0.600	0.688
% of values undetected	100%	100%			100%	11%	44%	78%	78%	100%	89%	0%	0%	100%	100%	78%	89%	56%	75%	100%	100%	0%	0%	22%	29%
# of values between MDL and PQL	0	0			0	1	2	1	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.03	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.073	0.072	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0304																									
Sample Date																									
05/22/04	**0.0155**		0.327	0.419	71.6	52.4	**0.050**	**0.050**	1460	1410	1.24		0.00130		**0.577**	**0.577**	0.346	0.357	435	427	**0.155**	**0.155**	6030	**0.00310**	**0.00310**
Mean	0.0155	NA	0.327	0.419	71.6	52.4	0.0500	0.0500	1460	1410	1.24	NA	0.00130	NA	0.577	0.577	0.346	0.357	435	427	0.155	0.155	6030	0.0031	0.0031
Median	0.0155	NA	0.327	0.419	71.6	52.4	0.0500	0.0500	1460	1410	1.24	NA	0.00130	NA	0.577	0.577	0.346	0.357	435	427	0.155	0.155	6030	0.0031	0.0031
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1
Minimum	0.0155	NA	0.327	0.419	71.6	52.4	0.050	0.050	1460	1410	1.24	NA	0.00130	NA	0.577	0.577	0.346	0.357	435	427	0.155	0.155	6030	0.00310	0.00310
Maximum	0.0155	NA	0.327	0.419	71.6	52.4	0.050	0.05	1460	1410	1.24	NA	0.00130	NA	0.577	0.577	0.346	0.357	435	427	0.155	0.155	6030	0.0031	0.0031
% of values undetected	100%		0%	0%	0%	0%	100%	100%	0%	0%	0%		0%		0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0		0	0	0	0	0	0	0	0	0		0		1	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.726	2.617	1000	1000	0.509	0.509	NA	NA	NA	NA	0.012	0.012	NA	NA	15.43	15.38	NA	NA	5	4.6	NA	0.341167092	0.290
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0305																									
Sample Date																									
07/19/05	0.0484	0.0166	0.291	0.158	77.5	**3.1**	**0.05**	0.131	1210	1180	2.06	**0.1**	**0.000450**		0.521	0.490	0.283	0.368	200	201	**0.0775**	**0.0775**	6090	**0.0031**	**0.0031**
08/22/05																									
10/07/05	0.0218		0.113		**3.1**	**8.13**	**0.0155**		1320	1330	**0.0632**	**0.179**	**0.000450**		0.372	0.400	0.220		191	206	**0.0775**	**0.0775**	6980	**0.0031**	**0.0031**
06/27/06	0.0372	0.0260	0.241	0.262	**3.10**	**3.10**	**0.0250**		1120	1160	0.339	0.111	**0.000475**		0.464	0.422	0.260		188	196	**0.155**	**0.155**	6620	**0.0031**	**0.0031**
08/27/06	0.0228	0.0242	0.333	0.296	**6.95**	**3.10**	**0.0686**	0.132	1260	1310	0.0802	0.126	**0.000475**		0.310	0.331	0.305		201	223	**0.155**	**0.155**	6370	**0.0031**	**0.0031**
10/03/06	**0.0146**	0.0202	0.110		**17.8**	**17.5**	**0.0155**		1300	1240	0.106	0.120	**0.000475**		0.410	0.450	**0.118**		173	160	**0.155**	**0.155**	6000	**0.0031**	**0.0031**
05/23/07	**0.0188**	**0.0178**	0.117		**16.6**	**16.1**	**0.0155**	**0.050**	1050	1180	0.0976	0.0804	**0.000169**		0.507	0.482	**0.100**	**0.100**	171	221	**0.155**	**0.155**	6070	**0.0031**	**0.0031**
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000169**		**0.5**	**0.5**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	6100	**0.025**	**0.025**
09/08/07	**0.05**	**0.025**	**1.3**	**0.5**	**20**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.00250**		**0.25**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	6200	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.25**	1100	1100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**150**	**0.05**	**0.05**	6100	**0.025**	**0.025**
Mean	0.0293	0.022	0.334	0.328	18	9.0	0.0380	0.110	1170	1210	0.388	0.160	0.000592	NA	0.400	0.540	0.240	0.270	297	184	0.103	0.103	6280	0.010	0.010
Median	0.025	0.025	0.25	0.279	10	10.0	0.0500	0.0900	1120	1200	0.250	0.126	0.000450	NA	0.410	0.450	0.283	0.300	191	196	0.0775	0.0775	6100	0.0031	0.0031
St. Deviation	0.0128	0.004	0.371	0.141	23	5.0	0.0200	0.0800	100	70	0.634	0.0700	0.000730	NA	0.110	0.370	0.0800	0.100	274	31.0	0.0507	0.0507	320	0.011	0.011
# of values	9	8	9	6	9	9	9	6	9	9	9	9	9	0	9	9	9	5	9	9	9	9	9	9	9
Minimum	0.0146	0.0166	0.11	0.158	3.1	3.1	0.0155	0.05	1050	1100	0.0632	0.0804	0.000169	NA	0.25	0.25	0.100	0.100	150	150	0.05	0.05	6000	0.0031	0.0031
Maximum	0.05	0.026	1.3	0.5	77.5	17.5	0.0686	0.25	1320	1330	2.06	0.25	0.0025	NA	0.521	1.5	0.305	0.368	1000	223	0.155	0.155	6980	0.025	0.025
% of values undetected	22%	38%	22%	17%	56%	67%	89%	67%	0%	0%	33%	44%	100%		22%	22%	44%	80%	22%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	3	1	1	2	3	3	1	0	0	0	1	1	0		1	1	1	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.065	1.982	1000	1000	0.336	0.353	NA	NA	NA	NA	0.012	0.012	NA	NA	11.72	11.68	NA	NA	5	4.6	NA	0.194996334	0.166
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0304										
Sample Date										
05/22/04	2340	2280	**0.0125**	**0.0125**	2.47	**0.155**	0.505	0.486	17.0	15.2
Mean	2340	2280	0.0125	0.0125	2.47	0.155	0.505	0.486	17.00	15.2
Median	2340	2280	0.0125	0.0125	2.47	0.155	0.505	0.486	17.00	15.2
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	1	1	1	1	1	1	1
Minimum	2340	2280	0.0125	0.0125	2.47	0.155	0.505	0.486	17.0	15.2
Maximum	2340	2280	0.0125	0.0125	2.47	0.155	0.505	0.486	17.0	15.2
% of values undetected	0%	0%	100%	100%	0%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	35.38	34.88
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0305										
Sample Date										
07/19/05	2450	2530	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.361**	0.513	14.6	
08/22/05										
10/07/05	2450	2480	**0.0031**	**0.0031**	**0.031**	**0.031**	0.436	**0.1**	**0.467**	**1.3**
06/27/06	2230	2370	0.0126	**0.0025**	**0.0354**	**0.0155**	**0.250**	0.582	1.17	1.18
08/27/06	2230	2390	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.28	1.44
10/03/06	2330	2220	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	1.02
05/23/07	2220	2320	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.09	
08/03/07	2300	2400	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/08/07	2300	2400	**0.05**	**0.25**	**0.05**	**0.1**	**0.1**	**0.1**	**1**	**5**
10/26/07	2400	2400	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	2320	2390	0.0204	0.0415	0.0440	0.0480	0.270	0.280	2.46	1.70
Median	2300	2400	0.00500	0.00500	0.0500	0.0500	0.250	0.250	1.00	1.18
St. Deviation	90	90	0.0224	0.0807	0.00900	0.0230	0.140	0.200	4.56	1.50
# of values	9	9	9	9	9	9	9	9	9	7
Minimum	2220	2220	0.0031	0.0025	0.031	0.0155	0.1	0.1	0.467	1
Maximum	2450	2530	0.05	0.25	0.05	0.1	0.5	0.582	14.6	5
% of values undetected	0%	0%	89%	100%	89%	89%	78%	78%	44%	43%
# of values between MDL and PQL	0	0	0	0	1	1	1	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	26.86	26.48
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0404																					
Sample Date																					
05/22/04	6.45	15.29	7.24		104	-61	0	20.8	60.0	62.5	1.85	**1.57**	29.0	0.0390			**0.0155**		0.661	0.126	1.70
09/16/04	5.94	5.20	11.15		87	37	2	14.8	80	55.0	5.5	**1.57**	16.0	0.79			**0.0155**		0.909		1.34
Mean	6.2	10	9.200	NA	96	-12.00	1.0	17.8	70	59.0	3.7	1.57	23.0	0.41	NA	NA	0.0155	NA	0.785	0.126	1.52
Median	6.2	10	9.200	NA	96	-12.00	1.0	17.8	70	59.0	3.7	1.57	23.0	0.41	NA	NA	0.0155	NA	0.785	0.126	1.52
St. Deviation	0.36	7	2.760	NA	12	69.00	1	4.2	14	5.0	2.6	0	9.0	0.53	NA	NA	0	NA	0.175	NA	0.25
# of values	2	2	2	0	2	2	2	2	2	2	2	2	2	2	0	0	2	0	2	1	2
Minimum	5.94	5.2	7.24	NA	87	-61	0	14.8	60	55.0	1.85	1.57	16.0	0.039	NA	NA	0.0155	NA	0.661	0.126	1.34
Maximum	6.45	15.29	11.15	NA	104	37	2	20.8	80	62.5	5.5	1.57	29.0	0.79	NA	NA	0.0155	NA	0.909	0.126	1.70
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	100%	0%	0%			100%		0%	0%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	0	2			0		0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	50%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP0405																					
Sample Date																					
07/21/05	6.47	5.06	12.22	95.9	49	309.6	0.69	18.4	44.5	47.5	4.11	**0.785**	15.5	8.05			0.106		0.866	**0.05**	0.99
08/22/05	6.37	6.27	7.88	64.1	43	186.1	0.52														
10/07/05	6.12	3.87	11.89	90.3	33	215.5	0.26	18.3	45.5	44.0	1.80	**3.25**	14.5	1.48			**0.0071**		0.903	**0.05**	1.10
06/27/06	7.02	4.26	9.81	75.5	47	-81.8	0.36	16.9	46.0	50.0	4.24	**4.50**	15.0	1.37	**0.050**	1.32	0.0130		0.776	**0.0560**	1.11
08/27/06	6.43	3.61	8.19	62	24	169.7	0.14	17.6	42.0	61.2	5.43	**4.25**	15.0	1.43	**0.0155**	1.43	0.0120	**0.0155**	0.818	**0.0560**	1.00
10/03/06	6.55	3.68	10.23	77.4	47	191	0.23	18.1	46.0	51.3	1.90	**8.25**	16.0	1.35	**0.0155**	1.33	**0.00155**	J	0.872	**0.0600**	1.01
08/03/07	6.87	4.62	7.99	61.5	59	44.7	0.18	18.0	50.0	40.0	**2.5**	**1**	**15**	2.19			**0.025**		**1.0**	**0.05**	**1.0**
09/06/07	7.05	4.17	10	76.7	47	167.6	0.17	20.0	49.0	50.0	**2.5**	**1**	**15**	1.55			**0.005**		**1.2**	**0.05**	**1.1**
10/26/07	6.16	2.42	10.24	74.9	44	224.8	0.07	16.0	47.0	50.0	**2.5**	**1**	**14**	1.20			**0.005**		**0.9**	**0.05**	**0.7**
Mean	6.56	4	9.800	75.4	44	158.6	0.3	17.9	46	49.0	3.1	3.0	15.0	2.33	0.027	1.36	0.022	0.0155	0.917	0.053	1.00
Median	6.47	4.17	10.00	75.5	47	186.1	0.23	18.1	46	50.0	2.5	2.1	15.0	1.46	0.0155	1.33	0.010	0.0155	0.886	0.050	1.01
St. Deviation	0.35	1	1.600	12.0	10	113.6	0.20	1.2	3	6.0	1.3	2.6	1	2.33	0.0199	0.06	0.035	NA	0.132	0.004	0.13
# of values	9	9	9	9	9	9	9	8	8	8	8	8	8	8	3	3	8	1	8	8	8
Minimum	6.12	2.42	7.88	61.5	24	-81.8	0.07	16	42	40	1.80	0.785	14	1.20	0.0155	1.32	0.00155	0.0155	0.776	0.05	0.7
Maximum	7.05	6.27	12.22	95.9	59	309.6	0.69	20	50	61.2	5.43	8.25	16.0	8.05	0.0500	1.43	0.106	0.016	1.2	0.0600	1.11
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	50%	0%	0%	100%	0%	50%	100%	0%	63%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	4	3	0	0	0	1	0	3	3	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0404																									
Sample Date																									
05/22/04	**0.00125**	**0.00125**			**0.0155**	**12.5**	**12.5**	**0.100**	0.216 +	**0.250**	**0.250**	3.01	2.95	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	6400	6660	0.380	0.387
09/16/04	**0.00125**	**0.00125**			0.094	37.2	**3.9**	**0.0385**	**0.0385**	0.391	0.438	2.44	2.11	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	4560	4280	0.420	0.338
Mean	0.00125	0.00125	NA	NA	0.055	24.9	8.2	0.07	0.127	0.32	0.344	2.73	2.53	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	5480	5470	0.400	0.363
Median	0.00125	0.00125	NA	NA	0.055	24.9	8.2	0.07	0.127	0.32	0.344	2.73	2.53	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	5480	5470	0.400	0.363
St. Deviation	0	0	NA	NA	0.056	17.5	6.1	0.04	0.126	0.1	0.133	0.4	0.59	0	0	0	0	0	0	0	0	1300	1680	0.028	0.035
# of values	2	2	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00125	0.00125	NA	NA	0.0155	12.5	3.9	0.0385	0.0385	0.25	0.250	2.44	2.11	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	4560	4280	0.380	0.338
Maximum	0.00125	0.00125	NA	NA	0.094	37.2	12.5	0.1	0.216	0.391	0.438	3.01	2.95	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	6400	6660	0.420	0.387
% of values undetected	100%	100%			50%	50%	100%	100%	50%	50%	50%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	0			1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.96	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.067	0.066	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0405																									
Sample Date																									
07/21/05	**0.00125**	**0.00125**			**0.0155**	37.6	2.28	**0.005**	R	**0.125**	**0.125**	1.9	1.32	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5**	**0.00775**	**0.00775**	5630	4830	0.452	**0.031**
08/22/05																									
10/07/05	**0.00125**	**0.00125**			**0.0155**	134	3.34	**0.00155**	0.0034 J	**0.125**	**0.125**	2.77	1.60	**0.0075**	**0.0075**	0.0186	0.0222	**1.55**	**1.55**	**0.00775**	**0.00775**	5530	5410	0.464	0.576
06/27/06	**0.00105**	**0.00075**			**0.050**	131	3.49	**0.0250**	**0.0250** U	**0.155**	**0.155**	3.22	1.51	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	5170	4730	0.284	
08/27/06	**0.00075**	**0.00075**			**0.0155**	39.9	3.80	**0.0075**	**0.0075**	**0.155**	**0.155**	1.65	1.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5480	5650	0.575	0.659
10/03/06	**0.00075**	**0.00075**			**0.050**	67.3	3.24	**0.0075**	**0.0075**	**0.155**	**0.155**	3.38	1.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5430	4930	0.276	**0.050**
08/03/07	**0.0025**	**0.0025**			**0.025**	26.0	11.0	**0.2**	**0.2**	**0.25**	**0.25**	1.6		**0.05**	**0.05**	**20**	**20**	**0.9**	1.70	**0.05**	**0.05**	5500	5700	**0.3**	
09/06/07	**0.0025**	**0.0025**			**0.025**	13.0	7.0	**0.2**	**0.2**	**0.25**	**0.25**	1.8	2.00	**0.05**	**0.05**	**20**	**20**	1.7	1.50	**0.05**	**0.05**	5400	6000	**0.05**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	6.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.6	2.80	**0.05**	**0.05**	**20**	**20**	1.4	1.70	**0.05**	**0.05**	5200	5100	**0.25**	**0.25**
Mean	0.0016	0.0015	NA	NA	0.028	56.9	4.6	0.081	0.092	0.183	0.183	2.4	1.75	0.025	0.025	7.505	7.506	1.3	1.84	0.0269	0.0269	5420	5290	0.331	0.303
Median	0.0013	0.0013	NA	NA	0.025	38.8	3.4	0.016	0.025	0.155	0.155	2.3	1.55	0.013	0.013	0.013	0.015	1.3	1.53	0.0185	0.0185	5460	5260	0.292	0.25
St. Deviation	0.0008	0.0008	NA	NA	0.014	50.3	3.0	0.099	0.101	0.057	0.057	0.7	0.51	0.021	0.021	10.347	10.346	0.3	1.32	0.0196	0.0196	160	460	0.162	0.263
# of values	8	8	0	0	8	8	8	8	7	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	6
Minimum	0.00075	0.00075	NA	NA	0.0155	6.00	2.28	0.00155	0.0034	0.125	0.125	1.6	1.32	0.0075	0.0075	0.00155	0.00155	0.75	0.75	0.00775	0.00775	5170	4730	0.05	0.031
Maximum	0.0025	0.0025	NA	NA	0.05	134	11	0.2	0.2	0.25	0.25	3.38	2.80	0.05	0.05	20	20	1.7	5	0.05	0.05	5630	6000	0.575	0.659
% of values undetected	100%	100%			100%	0%	13%	100%	86%	100%	100%	0%	0%	100%	100%	88%	88%	63%	63%	100%	100%	0%	0%	25%	67%
# of values between MDL and PQL	0	0			0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.90	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.071	0.069	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0404																									
Sample Date																									
05/22/04	**0.0155**		0.231	0.228	59.3	26.9	**0.050**	**0.050**	1160	1230	1.97		0.00140		**0.366**	**0.330**	**0.100**		337	351	**0.155**	**0.155**	8120	**0.00310**	**0.00310**
09/16/04	**0.0155**		0.232	**0.1**	22	**3.1**	**0.05**	**0.05**	835	840	1.48	1.08	**0.0005**		**0.382**	**0.385**	0.261	0.353	453	433	**0.155**	**0.155**	8930	**0.0031**	**0.0031**
Mean	0.0155	NA	0.232	0.16	41	15.0	0.0500	0.0500	998	1040	1.73	1.08	0.00100	NA	0.374	0.360	0.180	0.353	395	392	0.155	0.155	8530	0.0031	0.0031
Median	0.0155	NA	0.232	0.16	41	15.0	0.0500	0.0500	998	1040	1.73	1.08	0.00100	NA	0.374	0.360	0.180	0.353	395	392	0.155	0.155	8530	0.0031	0.0031
St. Deviation	0	NA	0.001	0.09	26	16.8	0	0	230	280	0.350	NA	0.000600	NA	0.0110	0.0400	0.110	NA	82.0	58.0	0	0	570	0	0
# of values	2	0	2	2	2	2	2	2	2	2	2	1	2	0	2	2	2	1	2	2	2	2	2	2	2
Minimum	0.0155	NA	0.231	0.1	22	3.1	0.050	0.050	835	840	1.48	1.08	0.0005	NA	0.366	0.330	0.100	0.353	337	351	0.155	0.155	8120	0.00310	0.00310
Maximum	0.0155	NA	0.232	0.228	59.3	26.9	0.05	0.05	1160	1230	1.97	1.08	0.00140	NA	0.382	0.385	0.261	0.353	453	433	0.155	0.155	8930	0.0031	0.0031
% of values undetected	100%		0%	50%	0%	50%	100%	100%	0%	0%	0%	0%	50%		0%	0%	50%	0%	0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0		0	0	0	0	0	0	0	0	0	0	0		2	2	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.855	1.780	1000	1000	0.287	0.306	NA	NA	NA	NA	0.012	0.012	NA	NA	10.54	10.51	NA	NA	5	4.6	NA	0.157123204	0.134
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0405																									
Sample Date																									
07/21/05	0.0208	0.016	0.126	0.215	**10**	**3.1**	**0.0155**	0.107	1060	930	2.48	**0.1**	**0.000450**		0.355	0.338	0.217	0.316	168	150	**0.0775**	**0.0775**	6750	**0.0031**	**0.0031**
08/22/05																									
10/07/05	0.0576	0.027	0.268	0.221	106	**3.1**	**0.0386**		1100	1070	4.45	**0.199**	**0.00113**		0.368	0.382	0.280		220	210	**0.0775**	**0.0775**	7490	**0.0031**	**0.0031**
06/27/06	0.0780	0.0258	0.391	0.159	102	**3.10**	0.193		968	909	4.78	0.155	**0.00250**		0.376	0.352	0.303		191	180	**0.155**	**0.155**	6780	**0.0031**	**0.0031**
08/27/06	0.0366	0.0262	0.179		33.2	**3.10**	**0.0155**		959	956	3.93	0.183	**0.00250**		0.265	0.295	0.272		162	177	**0.155**	**0.155**	6630	**0.0031**	**0.0031**
10/03/06	0.0378	**0.0166**	0.195	0.256	60.8	**11.7**	**0.0396**	0.130	1090	968	4.40	0.189	**0.000475**		0.365	0.365	**0.116**	0.298	207	190	**0.155**	**0.155**	6400	**0.0031**	**0.0031**
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**900**	1000	**1**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	6800	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1000	1100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	6800	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	**900**	**0.25**	**0.25**	**0.000764**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	6400	**0.025**	**0.025**
Mean	0.038	0.023	0.239	0.229	42.8	7.0	0.0565	0.0770	980	979	2.70	0.200	0.00102	NA	0.310	0.310	0.260	0.300	281	170	0.0963	0.0963	6760	0.011	0.011
Median	0.031	0.025	0.25	0.25	21.6	7.0	0.0448	0.0500	980	962	3.20	0.190	0.000619	NA	0.310	0.317	0.290	0.300	180	160	0.0775	0.0775	6770	0.0031	0.0031
St. Deviation	0.020	0.004	0.078	0.035	41.8	4.0	0.0570	0.0380	100	73	2.00	0.0500	0.000966	NA	0.0600	0.0560	0.0700	0.0100	292	20.0	0.0500	0.0500	340	0.011	0.011
# of values	8	8	8	7	8	8	8	5	8	8	8	8	8	0	8	8	8	5	8	8	8	8	8	8	8
Minimum	0.0208	0.016	0.126	0.159	10	3.10	0.0155	0.05	800	900	0.25	0.1	0.000169	NA	0.25	0.25	0.116	0.298	150	150	0.05	0.05	6400	0.0031	0.0031
Maximum	0.078	0.027	0.391	0.256	106	11.7	0.193	0.130	1100	1100	4.78	0.25	0.00250	NA	0.376	0.382	0.303	0.316	1000	210	0.155	0.155	7490	0.025	0.025
% of values undetected	38%	38%	38%	43%	50%	88%	63%	60%	0%	0%	25%	50%	75%		38%	38%	38%	60%	38%	38%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	1	0	0	0	1	2	0	2	1	1	1	2		0	0	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.981	1.902	1000	1000	0.316	0.334	NA	NA	NA	NA	0.012	0.012	NA	NA	11.25	11.22	NA	NA	5	4.6	NA	0.179493924	0.153
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0404										
Sample Date										
05/22/04	2180	2280	**0.0125**	**0.0125**	**0.155**	**0.155**	0.786	1.04	**0.75**	**0.75**
09/16/04	2160	2170	**0.0125**	**0.0125**	**0.155**	**0.155**	0.474	0.425	**0.75**	**0.75**
Mean	2170	2230	0.0125	0.0125	0.155	0.155	0.630	0.730	0.750	0.750
Median	2170	2230	0.0125	0.0125	0.155	0.155	0.630	0.730	0.750	0.750
St. Deviation	10	80	0	0	0	0	0.221	0.430	0	0
# of values	2	2	2	2	2	2	2	2	2	2
Minimum	2160	2170	0.0125	0.0125	0.155	0.155	0.474	0.425	0.75	0.75
Maximum	2180	2280	0.0125	0.0125	0.155	0.155	0.786	1.04	0.75	0.75
% of values undetected	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	24.15	23.81
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0405										
Sample Date										
07/21/05	2830	2580	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.367**	**0.1**	2.70	
08/22/05										
10/07/05	2890	2930	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.229**	0.432	**0.834**	**1.12**
06/27/06	2580	2500	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.512	**0.110**	1.95	0.984
08/27/06	2500	2600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.939**	1.19
10/03/06	2810	2520	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	**0.50**
08/03/07	2600	2600	**0.05**	**0.1**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/06/07	2500	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
10/26/07	2500	2500	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**5**
Mean	2650	2600	0.0211	0.0273	0.0410	0.0410	0.290	0.200	1.00	1.50
Median	2590	2600	0.00500	0.00500	0.0500	0.0500	0.250	0.100	1.00	1.00
St. Deviation	160	100	0.0240	0.0360	0.0130	0.0130	0.160	0.100	1.00	1.50
# of values	8	8	8	8	8	8	8	8	8	7
Minimum	2500	2500	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	0.50
Maximum	2890	2930	0.05	0.1	0.05	0.05	0.512	0.432	2.70	5
% of values undetected	0%	0%	100%	88%	100%	100%	63%	88%	50%	57%
# of values between MDL and PQL	0	0	0	1	0	0	2	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	25.78	25.42
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0505																					
Sample Date																					
07/20/05	6.64	6.26	10.38	83.9	40	285.5	0.08	17.6	36.5	43.8	1.02	**2.5**	17	0.141			0.178		0.453	**0.0155**	1.43
Mean	6.64	6.26	10.38	83.9	40	285.5	0.080	17.6	36.5	43.8	1.02	2.5	17	0.141	NA	NA	0.178	NA	0.453	0.0155	1.43
Median	6.64	6.26	10.38	83.9	40	285.5	0.080	17.6	36.5	43.8	1.02	2.5	17	0.141	NA	NA	0.178	NA	0.453	0.0155	1.43
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1
Minimum	6.64	6.26	10.38	83.9	40	285.5	0.08	17.6	36.5	43.8	1.02	2.5	17	0.141	NA	NA	0.178	NA	0.453	0.0155	1.43
Maximum	6.64	6.26	10.38	83.9	40	285.5	0.08	17.6	36.5	43.8	1.02	2.5	17	0.141	NA	NA	0.178	NA	0.453	0.0155	1.43
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			0%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	0	0			0		0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP0604																					
Sample Date																					
05/21/04	5.83	7.30	7.97		103	-7	5.5	18.2	42.0	48.8	**0.410**	**3.80**	22.5	0.171			**0.0155**		0.702	0.115	0.99
Mean	5.83	7.30	7.970	NA	103	-7.000	5.5	18.2	42	48.8	0.410	3.80	22.5	0.171	NA	NA	0.0155	NA	0.702	0.115	0.99
Median	5.83	7.30	7.970	NA	103	-7.000	5.5	18.2	42	48.8	0.410	3.80	22.5	0.171	NA	NA	0.0155	NA	0.702	0.115	0.99
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1
Minimum	5.83	7.3	7.97	NA	103	-7	5.5	18.2	42	48.8	0.410	3.80	22.5	0.171	NA	NA	0.0155	NA	0.702	0.115	0.99
Maximum	5.83	7.3	7.97	NA	103	-7	5.5	18.2	42	48.8	0.410	3.80	22.5	0.171	NA	NA	0.0155	NA	0.702	0.115	0.99
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			100%		0%	0%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	1	1	0	0			0		0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0505																									
Sample Date																									
07/20/05	**0.00125**	**0.00125**			**0.0155**	60.9	6.27	0.049	0.0504 +	**0.444**	**0.487**	1.19	0.766	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	6010	5890	0.406	0.389
Mean	0.00125	0.00125	NA	NA	0.0155	60.9	6.27	0.049	0.0504	0.444	0.487	1.19	0.766	0.0075	0.0075	0.00155	0.00155	5.0	5	0.00775	0.00775	6010	5890	0.406	0.389
Median	0.00125	0.00125	NA	NA	0.0155	60.9	6.27	0.049	0.0504	0.444	0.487	1.19	0.766	0.0075	0.0075	0.00155	0.00155	5	5	0.00775	0.00775	6010	5890	0.406	0.389
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minimum	0.00125	0.00125	NA	NA	0.0155	60.9	6.27	0.049	0.0504	0.444	0.487	1.19	0.766	0.0075	0.0075	0.00155	0.00155	5	5	0.00775	0.00775	6010	5890	0.406	0.389
Maximum	0.00125	0.00125	NA	NA	0.0155	60.9	6.27	0.049	0.0504	0.444	0.487	1.19	0.766	0.0075	0.0075	0.00155	0.00155	5	5	0.00775	0.00775	6010	5890	0.406	0.389
% of values undetected	100%	100%			100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.52	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.075	0.073	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0604																									
Sample Date																									
05/21/04	**0.00125**	**0.00125**			**0.0155**	**12.5**	**12.5**	0.784	**0.100** U	**0.125**	**0.125**	0.921		**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	5850	5650	0.238	**0.050**
Mean	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.784	0.10	0.125	0.125	0.921	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	5850	5650	0.238	0.050
Median	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.784	0.1	0.125	0.125	0.921	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	5850	5650	0.238	0.050
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
Minimum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.784	0.1	0.125	0.125	0.921	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	5850	5650	0.238	0.050
Maximum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.784	0.1	0.125	0.125	0.921	NA	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	5850	5650	0.238	0.050
% of values undetected	100%	100%			100%	100%	100%	0%	100%	100%	100%	0%		100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.077	0.075	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0505																									
Sample Date																									
07/20/05	0.0292	0.0382	0.19		38	**10**	**0.0155**		642	616	0.797	**0.1**	**0.000450**		0.518	0.562	0.262		168	177	**0.0775**	**0.0775**	3470	**0.0031**	**0.0031**
Mean	0.0292	0.0382	0.19	NA	38	10.0	0.0155	NA	642	616	0.797	0.100	0.000450	NA	0.518	0.562	0.262	NA	168	177	0.0775	0.0775	3470	0.0031	0.0031
Median	0.0292	0.0382	0.19	NA	38	10.0	0.0155	NA	642	616	0.797	0.100	0.000450	NA	0.518	0.562	0.262	NA	168	177	0.0775	0.0775	3470	0.0031	0.0031
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1
Minimum	0.0292	0.0382	0.19	NA	38	10	0.0155	NA	642	616	0.797	0.1	0.0004495	NA	0.518	0.562	0.262	NA	168	177	0.0775	0.0775	3470	0.0031	0.0031
Maximum	0.0292	0.0382	0.19	NA	38	10	0.0155	NA	642	616	0.797	0.1	0.0004495	NA	0.518	0.562	0.262	NA	168	177	0.0775	0.0775	3470	0.0031	0.0031
% of values undetected	0%	0%	0%		0%	100%	100%		0%	0%	0%	100%	100%		0%	0%	0%		0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0		0	0	0		0	0	0	0	0		0	0	0		0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.114	2.030	1000	1000	0.348	0.364	NA	NA	NA	NA	0.012	0.012	NA	NA	12.00	11.96	NA	NA	5	4.6	NA	0.204494563	0.174
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	NA	0%	0%	0%	0%	0%	NA	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%		0%	0%	0%	0%	0%	NA	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%
SP0604																									
Sample Date																									
05/21/04	**0.0155**		**0.100**	0.258	124	58.5	**0.050**	**0.050**	871	850	1.80	2.72	0.00190		**0.155**	**0.155**	**0.100**	0.260	138	148	**0.155**	**0.155**	4390	**0.00310**	**0.00310**
Mean	0.0155	NA	0.100	0.258	124	58.5	0.0500	0.0500	871	850	1.80	2.72	0.00190	NA	0.155	0.155	0.100	0.260	138	148	0.155	0.155	4390	0.0031	0.0031
Median	0.0155	NA	0.100	0.258	124	58.5	0.0500	0.0500	871	850	1.80	2.72	0.00190	NA	0.155	0.155	0.100	0.260	138	148	0.155	0.155	4390	0.0031	0.0031
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
Minimum	0.0155	NA	0.100	0.258	124	58.5	0.050	0.050	871	850	1.80	2.72	0.00190	NA	0.155	0.155	0.100	0.260	138	148	0.155	0.155	4390	0.0031	0.00310
Maximum	0.0155	NA	0.100	0.258	124	58.5	0.050	0.050	871	850	1.80	2.72	0.00190	NA	0.155	0.155	0.100	0.260	138	148	0.155	0.155	4390	0.0031	0.0031
% of values undetected	100%		100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%		100%	100%	100%	0%	0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.176	2.088	1000	1000	0.364	0.378	NA	NA	NA	NA	0.012	0.012	NA	NA	12.34	12.30	NA	NA	5	4.6	NA	0.216632078	0.184
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0505										
Sample Date										
07/20/05	1600	1610	**0.0031**		**0.031**		1.49	1.32	12.7	
Mean	1600	1610	0.00310	NA	0.0310	NA	1.49	1.32	12.7	NA
Median	1600	1610	0.00310	NA	0.0310	NA	1.49	1.32	12.7	NA
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	0	1	0	1	1	1	0
Minimum	1600	1610	0.0031	NA	0.031	NA	1.49	1.32	12.7	NA
Maximum	1600	1610	0.0031	NA	0.031	NA	1.49	1.32	12.7	NA
% of values undetected	0%	0%	100%		100%		0%	0%	0%	
# of values between MDL and PQL	0	0	0		0		0	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	27.49	27.11
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	NA	0%	NA	0%	0%	0%	NA
% of DWS exceedences	0%	0%	0%		0%		0%	0%	0%	
SP0604										
Sample Date										
05/21/04	1810	1740	**0.0125**	**0.0125**	**0.50**	**0.155**	0.477	**0.125**	**0.75**	**0.75**
Mean	1810	1740	0.0125	0.0125	0.500	0.155	0.477	0.125	0.750	0.750
Median	1810	1740	0.0125	0.0125	0.500	0.155	0.477	0.125	0.750	0.750
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	1	1	1	1	1	1	1
Minimum	1810	1740	0.0125	0.0125	0.50	0.155	0.477	0.125	0.75	0.75
Maximum	1810	1740	0.0125	0.0125	0.50	0.155	0.477	0.125	0.75	0.75
% of values undetected	0%	0%	100%	100%	100%	100%	0%	100%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	28.29	27.89
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0605																					
Sample Date																					
07/21/05	8.06	9.18	10.11	87.9	60	171.7	5.05	47.6	95.0	63.8	8.06	**1.8**	54.0	6.13			0.107		0.423	**0.0155**	0.801
08/22/05	6.31	7.11	6.34	52.4	104	124.2	4.38														
10/07/05	6.29	5.49	10.06	79.9	91	193.1	0.21	41.3	90.0	47.0	0.83	9.13	44.0	0.166			**0.00165**		0.937	**0.05**	1.05
03/16/06	7.24	0.55	9.41	65.4	128	158.3	3.98	36.7	90.0	55.0	40.2	14.5	48.0	0.254			0.036		0.795	**0.0155**	0.95
06/30/06	6.37	4.05	7.14	54.6	70	31.5	0.27	30.5	65.0	46.3	1.40	7.50	36.0	**0.0155**	**0.0155**	**0.0155**	**0.00155**	**0.0155**	0.953	**0.0310**	0.80
08/27/06	6.40	5.63	6.73	53.4	63	137.9	0.09	28.0	60.0	65.0	3.81	10.8	33.0	**0.0425**	**0.0155**	**0.0410**	**0.00155**	**0.0155**	0.561	**0.0510**	0.93
10/06/06	6.17	4.83	7.64	59.6	76	52.7	0.24	34.5	75.0	53.8	0.70	**9.75**	40.0	0.110	**0.0155**	0.101	**0.00155**	**0.0155**	1.16	**0.0740**	1.00
05/23/07	6.13	3.13	11.48	85.8	54	144.7	0.11	34.0	80.0	57.5	2.73	**4.00**	44.0	0.138			**0.00155**		0.783	**0.0410**	0.77
08/03/07	6.51	6.79	6.97	57.5	127	47.1	0.13	49.0	121	50.0	**2.5**	**1**	61.0	**0.04**			**0.025**		**0.6**	**0.05**	**0.7**
09/06/07	6.69	7.14	8.33	68.8	108	189.5	0.15	47.0	109	60.0	**2.5**	**1**	55.0	**0.05**			**0.005**		**1.5**	**0.05**	**1.0**
10/25/07	6.88	2.85	10.3	74.2	73	176.8	0.18	33.0	75.0	50.0	**6**	**1**	35.0	0.10			**0.005**		**1.3**	**0.05**	**0.6**
Mean	6.64	5	8.590	67.2	87	129.8	1.0	38	86.0	55.0	6.9	6.0	45.0	0.705	0.0155	0.0525	0.019	0.0155	0.901	0.043	0.86
Median	6.4	5.49	8.330	65.4	76	144.7	0.21	36	85.0	54.0	2.6	5.8	44.0	0.105	0.0155	0.0410	0.003	0.0155	0.866	0.050	0.87
St. Deviation	0.57	2	1.750	13.1	27	59.30	2.0	8	19	7.0	11.9	4.9	9.0	1.908	0	0.0439	0.033	0	0.341	0.018	0.15
# of values	11	11	11	11	11	11	11	10	10	10	10	10	10	10	3	3	10	3	10	10	10
Minimum	6.13	0.55	6.34	52.4	54	31.5	0.09	28	60	46.3	0.70	1	33.0	0.0155	0.0155	0.0155	0.00155	0.0155	0.423	0.0155	0.6
Maximum	8.06	9.18	11.48	87.9	128	193.1	5.05	49	121	65.0	40.2	14.5	61.0	6.13	0.0155	0.101	0.107	0.0155	1.5	0.074	1.05
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	30%	0%	10%	100%	33%	80%	100%	0%	60%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	3	0	3	0	1	0	0	3	4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	55%	0%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0705																					
Sample Date																					
07/19/05	7.30	2.97			61	-144.4	0.21	28.3	65.0	41.3	5.8	**0.785**	25.0	0.767			0.075		0.77	**0.0155**	3.78
08/23/05	7.07	2.98	12.45	92.5	57	145.2	0.12														
10/07/05	7.08	2.99	11.78	87.6	59	204.5	0.51	28.5	65.0	36.0	3.23	**0.785**	25.0	0.670			**0.014**		0.80	**0.05**	2.78
06/27/06	7.07	3.11	10.07	75	62	-90.8	0.12														
06/28/06	6.90	3.10	9.63	71.8	62	102.8	0.12	24.8	60.0	47.5	**0.202**	**0.785**	27.0	0.489	**0.050**	0.448	0.0110	**0.05** J	0.732	**0.0440**	2.53
08/27/06	6.88	3.24	7.92	59.2	59	108.1	0.09	27.8	55.0	57.5	4.80	**1.57**	26.0	0.549	**0.0155**	0.543	0.0145	**0.0155**	0.739	**0.0610**	2.84
10/02/06	6.72	3.13	9.83	73.5	57	211.1	0.09	24.0	55.0	47.5	7.10	**1.57**	26.0	0.401	**0.0155**	0.401	**0.00155**	**0.05** J	0.812	**0.0910**	2.82
05/25/07	7.30	3.14	12.5	93	63	105.5	0.19	25.3	60.0	48.8	**0.444**	**1.57**	27.5	0.497			0.0380		0.798	**0.0460**	2.40
08/03/07	7.13	3.59	8.75	65.9	69	37.1	0.08	27.0	64.0	50.0	**2.5**	**1**	26.0	0.470			**0.025**		**1.0**	**0.05**	**2.6**
09/06/07	7.22	3.80	9.67	74	62	146.7	0.17	28.0	62.0	50.0	**5**	**1**	26.0	0.510			**0.005**		**1.5**	**0.05**	**2.8**
10/25/07	7.50	3.08	11.9	88.6	60	209.6	0.08	25.0	64.0	60.0	**2.5**	**1**	24.0	0.460			**0.01**		**1.0**	**0.05**	**2.4**
Mean	7.11	3	10.50	78.1	61	94.10	0.2	26.5	61.0	48.7	3.5	1.12	26.0	0.535	0.027	0.464	0.022	0.039	0.91	0.051	2.77
Median	7.08	3.11	10.00	74.5	61	108.1	0.12	27	62.0	48.8	3.23	1	26.0	0.497	0.0155	0.448	0.014	0.050	0.80	0.050	2.78
St. Deviation	0.22	0	1.600	11.7	3.0	118.0	0.1	1.7	4	7.3	2.4	0.35	1.0	0.114	0.0199	0.072	0.023	0.02	0.24	0.019	0.42
# of values	11	11	10	10	11	11	11	9	9	9	9	9	9	9	3	3	9	3	9	9	9
Minimum	6.72	2.97	7.92	59.2	57	-144.4	0.08	24	55	36.0	0.202	0.785	24.0	0.401	0.0155	0.401	0.00155	0.0155	0.732	0.0155	2.4
Maximum	7.5	3.8	12.5	93	69	211.1	0.51	28.5	65	60.0	7.1	1.57	27.5	0.767	0.050	0.543	0.075	0.0500	1.5	0.091	3.78
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	100%	0%	0%	100%	0%	33%	100%	0%	56%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	3	4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0605																									
Sample Date																									
07/21/05	**0.00125**	**0.00125**			0.042	221	17.5	**0.005**	0.0112 +	0.284	**0.125**	11.6	8.73	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	11.3	**0.00775**	**0.00775**	11100	9130	0.527	**0.031**
08/22/05																									
10/07/05	**0.00125**	**0.00125**			**0.0155**	41.2	29.3	**0.00155**	**0.00155**	**0.125**	**0.125**	10.4	10.4	**0.0075**	**0.0075**	0.014	0.0128	**1.55**	**1.55**	**0.00775**	**0.00775**	9610	9900	0.545	0.713
03/16/06	**0.00125**	**0.00125**			**0.0155**	371	15.4	0.0968	**0.025** U	0.61	**0.155**	10.3	10.7	0.028	**0.012**	**0.025**	**0.0075**	**2.5**	**2.5**	**0.0125**	**0.0125**	8580		0.563	0.39
06/30/06	**0.00105**	**0.00075**			**0.050**	35.1	31.1	**0.0250**	**0.0250** U	**0.155**	**0.155**	6.62	6.09	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	7290	7120	0.679	0.676
08/27/06	**0.00075**	**0.00075**			**0.0155**	48.5	37.1	**0.0075**	**0.0075**	**0.155**	**0.155**	6.52	6.23	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7030	6940	0.688	0.637
10/06/06	**0.00075**	0.0030			**0.050**	36.1	29.9	**0.0075**	**0.0075**	**0.155**	**0.155**	8.38	8.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8590	8780	0.137	0.182
05/23/07	**0.00075**	**0.00075**			**0.050**	31.0	19.7	**0.0075**	R	**0.155**	**0.155**	7.84	9.01	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	2.68	**0.0075**	**0.0075**	7750	8370	0.400	0.294
08/03/07	**0.0025**	**0.0025**			**0.025**	22.0	24.0	**0.2**	**0.2**	**0.25**	**0.25**	10.9	11.5	**0.05**	**0.05**	**20**	**20**	1.5	2.50	**0.05**	**0.05**	12600	11500	0.2	0.4
09/06/07	**0.0025**	**0.0025**			**0.025**	25.0	21.0	**0.2**	**0.2**	**0.25**	**0.25**	9.60	10.5	**0.05**	**0.05**	**20**	**20**	1.5	1.50	**0.05**	**0.05**	10900	11200	**0.05**	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.025**	46.0	34.0	**0.2**	**0.2**	**0.25**	**0.25**	7.00		**0.05**	**0.05**	**20**	**20**	**1.5**	1.50	**0.05**	**0.05**	7300	8200	**0.05**	0.600
Mean	0.0015	0.0017	NA	NA	0.031	87.7	25.9	0.075	0.075	0.239	0.178	8.92	9.09	0.024	0.023	6.007	6.0052	1.5	2.68	0.0235	0.0235	9080	9020	0.384	0.417
Median	0.0013	0.0013	NA	NA	0.025	38.7	26.7	0.016	0.025	0.203	0.155	8.99	9.01	0.013	0.013	0.011	0.0075	1.5	1.53	0.0155	0.0155	8590	8780	0.464	0.395
St. Deviation	0.0007	0.0009	NA	NA	0.015	116	7.40	0.091	0.094	0.142	0.051	1.88	1.92	0.019	0.019	9.656	9.6573	0.4	3.10	0.0187	0.0187	1910	1610	0.253	0.232
# of values	10	10	0	0	10	10	10	10	9	10	10	10	9	10	10	10	10	10	10	10	10	10	9	10	10
Minimum	0.00075	0.00075	NA	NA	0.0155	22	15.4	0.00155	0.00155	0.125	0.125	6.52	6.09	0.0075	0.0075	0.00155	0.00155	0.75	0.75	0.0075	0.0075	7030	6940	0.05	0.031
Maximum	0.0025	0.003	NA	NA	0.05	371	37.1	0.2	0.2	0.61	0.25	11.6	11.5	0.05	0.05	20	20	2.5	11.3	0.05	0.05	12600	11500	0.688	0.713
% of values undetected	100%	90%			90%	0%	0%	90%	89%	80%	100%	0%	0%	90%	100%	90%	90%	80%	50%	100%	100%	0%	0%	20%	20%
# of values between MDL and PQL	0	1			1	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.89	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.109	0.104	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0705																									
Sample Date																									
07/19/05	**0.00125**	**0.00125**			**0.0155**	121	2.82	0.036	0.0346 +	0.914	0.594	3.67	2.57	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	9100	8680	0.825	0.686
08/23/05																									
10/07/05	**0.00125**	**0.00125**			**0.0155**	3.73	2.08	0.0306	0.0288	0.524	0.421	2.74	2.57	**0.0075**	**0.0075**	0.0176	0.02	**1.55**	**1.55**	**0.00775**	**0.00775**	9120	8550	0.924	1.100
06/27/06																									
06/28/06	**0.00105**	**0.00075**			**0.050**	13.1	**1.00**	0.0502	**0.0250** U	0.639	0.426	2.61	2.68	**0.0120**	**0.0120**	0.0210	**0.0075**	**2.50**	**2.50**	**0.0125**	**0.0125**	8000	7940	0.743	0.878
08/27/06	**0.00075**	**0.00075**			**0.0155**	55.9	2.19	**0.0075**	**0.0075**	0.748	0.406	3.20	2.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9180	9600	1.080	1.040
10/02/06	**0.00075**	**0.00075**			**0.050**	8.43	2.40	0.0384	0.0198 J	0.565	**0.155**	2.48	2.54	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0678	**0.0185**	7630	7910	0.570	0.193
05/25/07	**0.00075**	**0.00075**			**0.0155**	9.13	4.67	**0.0250**	**0.0250** U	0.386	0.525	2.68		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8030	8380	0.703	0.419
08/03/07	**0.0025**	**0.0025**			**0.025**	7.00	11.0	**0.2**	**0.2**	0.6	**0.25**	2.9	3.50	**0.05**	**0.05**	**20**	**20**	1.90	2.10	**0.05**	**0.05**	8600	8800	0.800	0.900
09/06/07	**0.0025**	**0.0025**			**0.025**	15.0	**2.5**	**0.2**	**0.2**	0.6	**0.25**	2.6	2.80	**0.05**	**0.05**	**20**	**20**	2.00	1.40	**0.05**	**0.05**	8700	9100	**0.25**	0.700
10/25/07	**0.0025**	**0.0025**			**0.025**	8.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	3.9	3.80	**0.05**	**0.05**	**20**	**20**	**1.5**	1.60	**0.05**	**0.05**	8400	8200	**0.25**	0.800
Mean	0.0015	0.0014	NA	NA	0.026	26.8	3.46	0.088	0.082	0.581	0.364	2.98	2.90	0.024	0.024	6.674	6.6724	1.64	1.61	0.0302	0.0247	8500	8570	0.683	0.746
Median	0.00125	0.00125	NA	NA	0.025	9.13	2.5	0.0384	0.0288	0.6	0.406	2.74	2.71	0.0125	0.0125	0.0176	0.0075	1.55	1.55	0.0185	0.0185	8600	8550	0.743	0.800
St. Deviation	0.0008	0.0008	NA	NA	0.014	38.7	2.98	0.085	0.089	0.192	0.146	0.51	0.48	0.02	0.02	9.995	9.9957	0.42	0.43	0.0239	0.0194	600	550	0.283	0.290
# of values	9	9	0	0	9	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9
Minimum	0.00075	0.00075	NA	NA	0.0155	3.73	1.00	0.0075	0.0075	0.25	0.155	2.48	2.54	0.0075	0.0075	0.00155	0.00155	1.25	1.25	0.0075	0.0075	7630	7910	0.25	0.193
Maximum	0.0025	0.0025	NA	NA	0.05	121	11.0	0.2	0.2	0.914	0.594	3.9	3.80	0.05	0.05	20	20	2.5	2.50	0.0678	0.05	9180	9600	1.080	1.100
% of values undetected	100%	100%			100%	0%	33%	56%	67%	11%	44%	0%	0%	100%	100%	78%	89%	78%	67%	89%	100%	0%	0%	22%	0%
# of values between MDL and PQL	0	0			0	0	0	1	1	3	3	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.29	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.095	0.092	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0605																									
Sample Date																									
07/21/05	0.109	0.0522	0.570	0.516	142	**3.1**	**0.05**	0.105	4810	4090	16.1	5.22	**0.00141**		0.0384	**0.01**	0.490	0.554	136	104	**0.0775**	**0.0775**	3750	**0.0031**	**0.0031**
08/22/05																									
10/07/05	0.0476	0.052	0.573	0.538	22.4	**12.7**	**0.0155**		4210	4230	1.61	0.918	**0.000450**		**0.0031**	**0.0031**	0.373		194	204	**0.0775**	**0.0775**	5470	**0.0031**	**0.0031**
03/16/06	0.149	0.059	0.773	0.412	227	**15.5**	0.252		3700		9.53	5.59	**0.00130**		0.371		0.368		124	157	**0.382**	**0.155**	3360	**0.0031**	**0.0031**
06/30/06	0.0464	0.0460	0.435	0.432	**16.6**	**13.3**	0.119		2980	2930	1.30	0.727	**0.00250**		**0.0075**	**0.0075**	0.453		61.2	67.4	**0.155**	**0.155**	3910	**0.0031**	**0.0031**
08/27/06	0.0514	0.0466	0.490	0.584	23.3	**13.1**	**0.0155**	0.124	2540	2380	2.70	2.46	**0.00250**		**0.0145**	**0.0145**	0.378	0.546	84.3	92.7	**0.155**	**0.155**	3700	**0.0031**	**0.0031**
10/06/06	0.0314	0.0328	0.400	0.489	20.6	23.3	**0.0155**	**0.0436**	3180	3140	0.876	0.412	**0.000475**		**0.0145**	**0.0145**	**0.169**	0.226	217	237	**0.155**	**0.155**	4140	**0.0031**	**0.0031**
05/23/07	0.0472	0.0378	0.441	0.485	56.4	31.9	**0.0155**		3560	3850	3.39	1.48	**0.000999**		0.0766	0.107	0.239	0.303	173		**0.155**	**0.155**	4040	**0.0031**	**0.0031**
08/03/07	**0.025**	**0.025**	**0.6**	**0.25**	**30**	**10**	**0.05**	**0.05**	5300	5000	3.70	**2.3**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3800	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	4600	4600	**1.5**	**1.5**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.1**	4300	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.5**	**20**	**10**	**0.05**	**0.05**	2800	3000	**1.5**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.7**	**150**	**150**	**0.25**	**0.05**	4500	**0.025**	**0.025**
Mean	0.0557	0.040	0.478	0.446	56.8	14.3	0.0633	0.0700	3770	3690	4.20	2.09	0.00150	NA	0.128	0.101	0.337	0.418	144	146	0.151	0.113	4100	0.0097	0.0097
Median	0.0468	0.042	0.466	0.487	22.9	12.9	0.0500	0.0500	3630	3850	2.20	1.49	0.00140	NA	0.0580	0.0145	0.334	0.303	150	150	0.155	0.128	3980	0.0031	0.0031
St. Deviation	0.0411	0.013	0.161	0.114	71.3	8.0	0.0735	0.0350	930	870	4.90	1.90	0.00100	NA	0.138	0.116	0.0960	0.179	47.0	53.0	0.102	0.0460	580	0.011	0.011
# of values	10	10	10	10	10	10	10	6	10	9	10	10	10	0	10	9	10	7	10	9	10	10	10	10	10
Minimum	0.025	0.025	0.25	0.25	10	3.1	0.0155	0.0436	2540	2380	0.876	0.25	0.000169	NA	0.0031	0.0031	0.169	0.226	61.2	67.4	0.05	0.05	3360	0.0031	0.0031
Maximum	0.149	0.059	0.773	0.584	227	31.9	0.252	0.124	5300	5000	16.1	5.59	0.0025	NA	0.371	0.25	0.490	0.7	217	237	0.382	0.155	5470	0.025	0.025
% of values undetected	30%	30%	20%	20%	10%	40%	80%	50%	0%	0%	0%	20%	70%		70%	89%	30%	29%	30%	33%	90%	90%	0%	100%	100%
# of values between MDL and PQL	0	0	1	1	3	4	0	1	0	0	2	1	3		0	0	1	1	0	0	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.251	3.121	1000	1000	0.662	0.642	NA	NA	NA	NA	0.012	0.012	NA	NA	18.37	18.32	NA	NA	5	4.6	NA	0.486337082	0.413
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0705																									
Sample Date																									
07/19/05	0.089	0.016	0.280	0.133	123	**3.1**	**0.05**	0.125	1370	1270	10.2	**0.1**	**0.000450**		0.128	0.120	0.355		356	337	**0.0775**	**0.0775**	5790	**0.0031**	**0.0031**
08/23/05																									
10/07/05	0.0206	0.0242	0.143	0.208	**8.03**	**3.1**	**0.0155**		1400	1310	**0.197**		**0.000450**		0.0852	0.0904	0.297		362	351	**0.0775**	**0.0775**	6550	**0.0031**	**0.0031**
06/27/06																									
06/28/06	0.0346	0.0328	0.163	0.205	**7.80**	**3.10**	0.666	0.274	1160	1160	0.154	0.0830	**0.000475**		0.103	0.104	0.441		298	301	**0.155**	**0.155**	6020	**0.0031**	**0.0031**
08/27/06	0.0410	0.0248	0.156		58.2	**3.10**	**0.0362**		1190	1260	1.97	0.174	**0.000475**		0.0634	0.0730	0.402		368	393	**0.155**	**0.155**	6130	**0.0031**	**0.0031**
10/02/06	**0.0065**	**0.0184**	**0.050**		23.2	24.4	**0.0155**		1200	1250	0.366	0.155	**0.000475**		0.113	0.128	**0.0990**		314	353	**0.155**	**0.155**	6090	**0.0031**	**0.0031**
05/25/07	**0.0196**	0.0252	**0.050**	0.191	31.1	**14.0**	**0.0155**	**0.050**	1280	1300	0.382		**0.000169**		0.139	0.169	0.229	0.229	309	335	**0.155**	**0.155**	5750	**0.0031**	**0.0031**
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1300	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.1**	5800	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1300	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.05**	6300	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1200	**0.8**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**400**	**0.25**	**0.05**	6200	**0.025**	**0.025**
Mean	0.032	0.024	0.177	0.212	31.3	9.0	0.105	0.100	1200	1260	1.62	0.180	0.000592	NA	0.154	0.160	0.303	0.280	384	336	0.125	0.108	6070	0.010	0.010
Median	0.025	0.025	0.163	0.208	10	10.0	0.0500	0.0500	1200	1270	0.366	0.174	0.000450	NA	0.128	0.128	0.300	0.300	314	351	0.155	0.100	6090	0.0031	0.0031
St. Deviation	0.023	0.0047	0.087	0.043	38.2	7.0	0.211	0.0900	100	50	3.27	0.0700	0.000730	NA	0.0760	0.0700	0.0990	0.0400	240	77.0	0.0660	0.0470	260	0.011	0.011
# of values	9	9	9	7	9	9	9	6	9	9	9	7	9	0	9	9	9	4	9	9	9	9	9	9	9
Minimum	0.0065	0.016	0.05	0.133	7.8	3.10	0.0155	0.050	1160	1160	0.154	0.0830	0.000169	NA	0.0634	0.0730	0.0990	0.229	150	150	0.05	0.05	5750	0.0031	0.0031
Maximum	0.089	0.0328	0.28	0.25	123	24.4	0.666	0.274	1400	1310	10.2	0.25	0.00250	NA	0.25	0.25	0.441	0.3	1000	400	0.25	0.155	6550	0.025	0.025
% of values undetected	44%	33%	56%	43%	33%	78%	78%	67%	0%	0%	22%	57%	100%		33%	33%	33%	75%	22%	11%	100%	89%	0%	100%	100%
# of values between MDL and PQL	1	1	0	0	2	1	1	0	0	0	2	0	0		0	0	1	0	1	2	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.787	2.676	1000	1000	0.526	0.524	NA	NA	NA	NA	0.012	0.012	NA	NA	15.77	15.72	NA	NA	5	4.6	NA	0.356662393	0.303
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0605										
Sample Date										
07/21/05	5880	4990	**0.0031**	**0.0031**	**0.031**	**0.031**	0.325	0.333	4.31	
08/22/05										
10/07/05	4610	4680	**0.0031**	**0.0031**	**0.031**	**0.031**	0.374	**0.1**	0.865	1.97
03/16/06	4760		0.0128	**0.0025**	0.708	**0.05**	0.741	**0.25**	3.19	3.01
06/30/06	3930	3850	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.31	1.55
08/27/06	3670	3330	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.15	2.94
10/06/06	3560	3520	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
05/23/07	4340	4710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
08/03/07	6200	5800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/06/07	5700	5800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	0.2	**5**	**5**
10/25/07	3000	3500	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	4570	4460	0.0187	0.0176	0.109	0.0430	0.250	0.180	2.00	2.92
Median	4480	4680	0.00500	0.00500	0.0500	0.0500	0.200	0.180	1.20	2.94
St. Deviation	1080	960	0.0218	0.0224	0.211	0.0120	0.200	0.0800	1.60	1.59
# of values	10	9	10	10	10	10	10	10	10	7
Minimum	3000	3330	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	1
Maximum	6200	5800	0.05	0.05	0.708	0.05	0.741	0.333	5	5
% of values undetected	0%	0%	90%	100%	90%	100%	70%	80%	50%	43%
# of values between MDL and PQL	0	0	0	0	0	0	2	2	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	42.13	41.54
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0705										
Sample Date										
07/19/05	2110	2050	**0.0031**	**0.0031**	**0.031**	**0.031**	0.967	0.493	13.5	
08/23/05										
10/07/05	2180	2100	**0.0031**	**0.0031**	**0.031**	**0.031**	0.222	0.31	0.805	1.80
06/27/06										
06/28/06	1840	1860	0.0086	0.0058	**0.0155**	**0.0155**	**0.110**	0.325	0.849	1.00
08/27/06	1880	2080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	0.749	
10/02/06	1880	2010	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.155**	
05/25/07	1960	1980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.13	
08/03/07	2000	2000	**0.4**	**0.4**	**0.05**	**0.05**	**0.4**	**0.3**	**1**	**1**
09/06/07	2000	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.3**	**1**	**5**
10/25/07	1800	1900	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**5**
Mean	1960	2010	0.0589	0.0586	0.0420	0.0420	0.280	0.320	2.24	2.80
Median	1960	2010	0.00500	0.00500	0.0500	0.0500	0.222	0.300	1.00	1.80
St. Deviation	130	90	0.129	0.130	0.0130	0.0130	0.270	0.110	4.23	2.10
# of values	9	9	9	9	9	9	9	9	9	5
Minimum	1800	1860	0.0031	0.0031	0.0155	0.0155	0.1	0.155	0.155	1
Maximum	2180	2100	0.4	0.4	0.05	0.05	0.967	0.5	13.5	5
% of values undetected	0%	0%	78%	78%	100%	100%	67%	44%	44%	60%
# of values between MDL and PQL	1	1	2	2	0	0	2	4	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	36.16	35.65
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0804																					
Sample Date																					
05/22/04	6.62	10.26	8.66		163	-16	2.1	40.8	100	76.3	**0.075**	**1.57**	49.0	0.0900			0.124		0.759	**0.050**	2.32
09/17/04	6.64	1.57	11.94		217	-22	1.2	36.0	100	75.0	0.5	**1.57**	49.5				**0.0155**		0.895	0.066	2.11
Mean	6.63	10	10.30	NA	190	-19.00	2	38	100	76.0	0.29	1.57	49.0	0.0900	NA	NA	0.070	NA	0.827	0.060	2.22
Median	6.63	10	10.30	NA	190	-19.00	2	38	100	76.0	0.29	1.57	49.0	0.0900	NA	NA	0.070	NA	0.827	0.060	2.22
St. Deviation	0.01	10	2.320	NA	38	4.000	1.00	3	0	1.0	0.3	0	0.0	NA	NA	NA	0.077	NA	0.096	0.010	0.15
# of values	2	2	2	0	2	2	2	2	2	2	2	2	2	1	0	0	2	0	2	2	2
Minimum	6.62	1.57	8.66	NA	163	-22	1.2	36	100	75.0	0.075	1.57	49.0	0.0900	NA	NA	0.0155	NA	0.759	0.050	2.11
Maximum	6.64	10.26	11.94	NA	217	-16	2.1	40.8	100	76.3	0.5	1.57	49.5	0.0900	NA	NA	0.124	NA	0.895	0.066	2.32
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	50%	100%	0%	0%			50%		0%	50%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	0	1			0		0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP0805																					
Sample Date																					
07/21/05	6.13	3.86	12.16	92.3	22	299.8	0.62	6.9	20.0	21.3	3.0	**0.785**	**8.5**	0.407			0.109		0.79	**0.0155**	0.37
08/23/05	5.47	4.05	11.24	85.9	21	173.2	0.36														
10/07/05	5.88	3.62	11.05	83.4	18	234.4	2.63	7.83	22.0	36.0	5.9	**3.63**	**8**	**0.069**			**0.018**		0.689	**0.0155**	0.57
06/27/06	6.45	2.57	9.54	70	23	-88.1	0.95	7.11	21.0	43.8	2.63	5.75	**1.55**	**0.050**	**0.050**	**0.0480**	0.0300	**0.05** J	0.790	**0.0155**	0.62
08/27/06	5.87	2.86	7.64	56.6	20		0.1	7.39	19.0	37.5	1.22	**5.25**	**9.00**	**0.0900**	**0.0155**	**0.0870**	**0.0090**	**0.0155**	0.721	**0.0320**	0.56
10/03/06	6.29	3.17	9.62	71.7	22	188.1	0.06	7.20	21.0	27.5	**0.0775**	**5.75**	**7.00**	**0.050**	**0.0155**	**0.050**	0.0119		0.707	**0.0630**	0.58
08/06/07	6.86	2.97	11.06	82	18	39.1	0.18	9.0	22.0	20.0	**2.5**	**1**	**9**	**0.08**			**0.02**		**0.8**	**0.05**	**0.6**
09/08/07	5.68	3.47	9.15	68.8	18	322.7	0.13	9.0	24.0	**10**	**2.5**	**1**	**10**	**0.05**			**0.005**		**0.8**	**0.05**	**0.6**
10/26/07	6.10	2.44	7.23	52.9	23	167.1	0.13	**3.5**	22.0	30.0	**2.5**	**1**	**8**	**0.04**			**0.005**		**0.8**	**0.05**	**0.25**
Mean	6.08	3	9.900	73.7	21	167.0	1.00	7.2	21.0	28.0	2.5	3.02	8	0.1	0.027	0.062	0.030	0.030	0.76	0.036	0.52
Median	6.1	3.17	9.620	71.7	21	180.7	0.18	7.3	22.0	29.0	2.5	2.32	8	0.06	0.0155	0.050	0.010	0.033	0.79	0.041	0.57
St. Deviation	0.42	1	1.700	13.3	2.0	135.4	1.00	1.7	2	11.0	1.7	2.31	3	0.12	0.0199	0.022	0.030	0.020	0.05	0.019	0.13
# of values	9	9	9	9	9	8	9	8	8	8	8	8	8	8	3	3	8	2	8	8	8
Minimum	5.47	2.44	7.23	52.9	18	-88.1	0.06	3.5	19	10	0.0775	0.785	1.55	0.04	0.0155	0.048	0.005	0.0155	0.689	0.0155	0.25
Maximum	6.86	4.05	12.16	92.3	23	322.7	2.63	9	24	43.8	5.9	5.75	10	0.407	0.050	0.087	0.109	0.050	0.8	0.063	0.62
Lowest fifth percentile	6	2	7	54	18	-44	0	5	19	14	0	1	3	0	0	0	0	0	1	0	0
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	0	3	7	5	0	2	3	0	3	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0804																									
Sample Date																									
05/22/04	**0.00125**	**0.00125**			**0.0155**	**12.5**	**12.5**	**0.0385**	R	**0.125**	**0.125**	3.89	4.43	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	11500	10800	0.202	0.236
09/17/04	**0.00125**	**0.00125**			**0.0155**	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	4.71	4.72	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	9680	9590	**0.199**	0.241
Mean	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	4.30	4.58	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	10590	10200	0.201	0.239
Median	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	4.30	4.58	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	10590	10200	0.201	0.239
St. Deviation	0	0	NA	NA	0	0	0	0	NA	0	0	0.58	0.21	0	0	0	0	0	0	0	0	1290	860	0.002	0.004
# of values	2	2	0	0	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	3.89	4.43	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	9680	9590	0.199	0.236
Maximum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	4.71	4.72	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	11500	10800	0.202	0.241
% of values undetected	100%	100%			100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.54	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.128	0.121	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0805																									
Sample Date																									
07/21/05	**0.00125**	**0.00125**			**0.0155**	114	2.76	0.0102	0.0202 +	**0.125**	**0.125**	1.98	1.35	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	2180	1990	0.353	**0.031**
08/23/05																									
10/07/05	0.009	**0.00125**			**0.0155**	122	2.45	**0.0088**	**0.0066** J	**0.125**	**0.31**	2.43	1.64	**0.0075**	**0.0075**	0.0144	0.014	**1.55**	**1.55**	**0.00775**	**0.00775**	2450	2300	0.493	0.556
06/27/06	**0.00105**	**0.00075**			**0.050**	106	4.06	**0.0250**	**0.0250** U	**0.155**	**0.155**	2.28	1.77	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	2230	2220	**0.100**	
08/27/06	**0.00075**	**0.00075**			**0.0155**	11.0	2.91	**0.0075**	**0.0075**	**0.155**	**0.155**	1.51	1.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2410	2300	0.537	0.567
10/03/06	**0.00075**	**0.00075**			**0.050**	3.88	2.30	**0.0075**	**0.0075**	**0.155**	**0.155**	1.54	1.55	**0.0125**	**0.0125**	**0.0154**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2260	2130	**0.104**	**0.050**
08/06/07	**0.0025**	**0.0025**			**0.025**	9.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.90	1.60	**0.05**	**0.05**	**20**	**20**	**0.7**	1.00	**0.05**	**0.05**	2200	2600	**0.3**	**0.1**
09/08/07	**0.0025**	**0.0025**			**0.025**	9.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.70		**0.05**	**0.05**	**20**	**20**	1.30	1.10	**0.05**	**0.05**	2300	2800	**0.25**	0.900
10/26/07	**0.0025**	**0.0025**			**0.025**	10.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.80	2.60	**0.05**	**0.05**	**20**	**20**	1.40	1.50	**0.05**	**0.05**	2200	2300	0.600	**0.25**
Mean	0.0025	0.0015	NA	NA	0.028	48.1	2.75	0.08	0.08	0.183	0.21	2.02	1.72	0.025	0.025	8	8	1.65	1.68	0.0269	0.0269	2280	2300	0.342	0.351
Median	0.0019	0.0013	NA	NA	0.025	10.5	2.5	0.02	0.02	0.155	0.2	1.94	1.60	0.013	0.013	0	0	1.28	1.25	0.0185	0.0185	2250	2300	0.327	0.25
St. Deviation	0.0027	0.0008	NA	NA	0.014	54.8	0.56	0.1	0.1	0.057	0.07	0.46	0.41	0.021	0.021	10	10	1.39	1.37	0.0196	0.0196	100	300	0.190	0.331
# of values	8	8	0	0	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	7
Minimum	0.00075	0.00075	NA	NA	0.0155	3.88	2.30	0.0075	0.0066	0.125	0.125	1.51	1.35	0.0075	0.0075	0.00155	0.00155	0.70	0.75	0.00775	0.00775	2180	1990	0.100	0.031
Maximum	0.009	0.0025	NA	NA	0.05	122	4.06	0.2	0.2	0.25	0.31	2.80	2.60	0.05	0.05	20	20	5	5	0.05	0.05	2450	2800	0.600	0.900
Lowest fifth percentile	0	0	NA	NA	0	6	2	0	0	0	0	2	1	0	0	0	0	1	1	0	0	2187	2039	0	0
# of values between MDL and PQL	0	0			0	0	0	1	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.04	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.028	0.029	NA	NA	7.032268098	6.047750564
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	38%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

2004-2008 Mine Study Area, Surface Water Analytical Results Summary - Seeps

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0804																									
Sample Date																									
05/22/04	**0.0155**		**0.100**	**0.100**	88.2	63.4	**0.050**	**0.050**	2920	2860	**0.250**		**0.0005**		**0.155**	**0.155**	0.340	0.369	522	514	**0.155**	**0.155**	7340	**0.00310**	**0.00310**
09/17/04	**0.05**		**0.1**	**0.1**	91.8	97.5	**0.05**	**0.05**	2880	2810	**0.25**		**0.0005**		**0.155**	**0.155**	0.303	0.442	535	543	**0.155**	**0.155**	8490	**0.0031**	**0.0031**
Mean	0.033	NA	0.1	0.1	90	80.5	0.0500	0.0500	2900	2840	0.250	NA	0.000500	NA	0.155	0.155	0.320	0.406	529	529	0.155	0.155	7920	0.0031	0.0031
Median	0.033	NA	0.1	0.1	90	80.5	0.0500	0.0500	2900	2840	0.250	NA	0.000500	NA	0.155	0.155	0.320	0.406	529	529	0.155	0.155	7920	0.0031	0.0031
St. Deviation	0.024	NA	0	0	2.5	24.1	0	0	30	40	0	NA	0	NA	0	0	0.0300	0.0520	9.00	21.0	0	0	810	0	0
# of values	2	0	2	2	2	2	2	2	2	2	2	0	2	0	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0155	NA	0.1	0.1	88.2	63.4	0.050	0.050	2880	2810	0.250	NA	0.0005	NA	0.155	0.155	0.303	0.369	522	514	0.155	0.155	7340	0.00310	0.00310
Maximum	0.05	NA	0.1	0.1	91.8	97.5	0.05	0.05	2920	2860	0.25	NA	0.0005	NA	0.155	0.155	0.340	0.442	535	543	0.155	0.155	8490	0.0031	0.0031
% of values undetected	100%		100%	100%	0%	0%	100%	100%	0%	0%	100%		100%		100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0		0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.919	3.762	1000	1000	0.874	0.821	NA	NA	NA	NA	0.012	0.012	NA	NA	22.10	22.04	NA	NA	5	4.6	NA	0.708277855	0.602
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0805																									
Sample Date																									
07/21/05	0.0194	0.0118	0.126	0.138	74.8	**3.1**	**0.05**	0.122	355	322	1.74	0.203	**0.000450**		0.0870	0.0724	0.128		134	120	**0.0775**	**0.0775**	4530	**0.0031**	**0.0031**
08/23/05																									
10/07/05	0.030	0.0126	0.302	0.18	90.1	**3.1**	**0.0488**		415	387	2.52	**0.116**	**0.000450**		0.0680	0.0626	0.109		184	174	**0.0775**	**0.0775**	5050	**0.0031**	**0.0031**
06/27/06	0.0482	**0.0100**	0.220	0.151	61.6	**3.10**	0.160		370	366	3.10	0.276	**0.00250**		0.0928	0.0644	**0.100**		122	129	**0.155**	**0.155**	4800	**0.0031**	**0.0031**
08/27/06	**0.0152**	**0.0158**	0.165		**10.7**	**3.10**	**0.0786**		331	322	0.414	0.165	**0.000475**		**0.0350**	**0.0360**	**0.154**		142	143	**0.155**	**0.155**	4120	**0.0031**	**0.0031**
10/03/06	**0.0065**	**0.0065**	0.119	0.200	**3.10**	**3.10**	**0.0155**		380	363	0.0758	0.114	**0.000475**		0.109	0.0918	**0.0310**		114	104	**0.155**	**0.155**	4410	**0.0031**	**0.0031**
08/06/07	**0.025**	**0.025**	**0.25**	**0.25**	90	**10**	**0.05**	**0.05**	**300**	**500**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.05**	4500	0.025	0.025
09/08/07	**0.025**	**0.025**	0.8	1	**10**	**10**	**0.05**	**0.05**	**400**	**500**	**0.25**	**0.7**	**0.00250**		**0.25**	**0.25**	**0.3**	**1.5**	**150**	**400**	**0.05**	**0.05**	4300	0.025	0.025
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**300**	**400**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**150**	**0.05**	**0.05**	4900	0.025	0.025
Mean	0.024	0.016	0.28	0.3	44	6.0	0.100	0.0700	360	395	1.10	0.259	0.00119	NA	0.140	0.130	0.200	0.700	187	280	0.0960	0.0960	4580	0.011	0.011
Median	0.025	0.014	0.24	0.2	36	3.0	0.100	0.0500	360	377	0.300	0.227	0.000470	NA	0.100	0.0800	0.100	0.300	146	150	0.0780	0.0780	4520	0.0030	0.0030
St. Deviation	0.012	0.008	0.22	0.3	39	4.0	0	0.0400	40	70	1.20	0.188	0.00109	NA	0.0900	0.100	0.100	0.700	128	310	0.0500	0.0500	320	0.011	0.011
# of values	8	8	8	7	8	8	8	4	8	8	8	8	8	0	8	8	8	3	8	8	8	8	8	8	8
Minimum	0.0065	0.0065	0.119	0.138	3.1	3.10	0.0155	0.05	300	322	0.0758	0.114	0.000169	NA	0.0350	0.0360	0.0310	0.3	114	104	0.05	0.05	4120	0.0031	0.0031
Maximum	0.0482	0.025	0.8	1	90.1	10	0.160	0.122	415	500	3.10	0.7	0.00250	NA	0.25	0.25	0.3	1.5	500	1000	0.155	0.155	5050	0.025	0.025
Lowest fifth percentile	0	0	0	0	6	3	0	0	300	322	0	0	0	NA	0	0	0	0	117	110	0	0	4183	0	0
# of values between MDL and PQL	1	1	1	1	1	0	2	0	3	3	0	2	0		1	1	1	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.683	0.656	1000	1000	0.065	0.080	NA	NA	NA	NA	0.012	0.012	NA	NA	3.92	3.91	NA	NA	5	4.6	NA	0.021028934	0.018
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	13%	14%	0%	0%	25%	25%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0804										
Sample Date										
05/22/04	2990	2850	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	**0.200**	**0.235**	**0.75**
09/17/04	2830	2740	**0.0125**	**0.0125**	**0.155**	**0.155**	0.367	0.274	**0.235**	**0.75**
Mean	2910	2800	0.0125	0.0125	0.155	0.155	0.280	0.240	0.235	0.750
Median	2910	2800	0.0125	0.0125	0.155	0.155	0.280	0.240	0.235	0.750
St. Deviation	110	80	0	0	0	0	0.120	0.0500	0	0
# of values	2	2	2	2	2	2	2	2	2	2
Minimum	2830	2740	0.0125	0.0125	0.155	0.155	0.200	0.200	0.235	0.75
Maximum	2990	2850	0.0125	0.0125	0.155	0.155	0.367	0.274	0.235	0.75
% of values undetected	0%	0%	100%	100%	100%	100%	50%	50%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	50.70	49.99
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0805										
Sample Date										
07/21/05	1800	1680	**0.0031**	**0.0031**	**0.031**	**0.031**	0.217	**0.1**	12.2	14.9
08/23/05										
10/07/05	1930	1930	**0.0031**	**0.0031**	**0.031**	**0.031**	0.432	0.540	**0.93**	**0.952**
06/27/06	1670	1710	0.0072	**0.0025**	**0.0155**	**0.0155**	0.645	**0.110**	4.57	1.26
08/27/06	1650	1610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.64	1.67
10/03/06	1750	1740	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.155**	**0.50**
08/06/07	1600	1800	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/08/07	1800	1800	**0.05**	**0.25**	**0.05**	0.1	**0.1**	**0.1**	**1**	**1**
10/26/07	1700	1700	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1740	1750	0.0220	0.000	0.0410	0.0500	0.310	0.200	3.00	3.00
Median	1730	1730	0.00600	0.000	0.0500	0.0500	0.250	0.100	1.00	1.00
St. Deviation	110	100	0.0230	0.100	0.0130	0.0200	0.200	0.200	4.00	5.00
# of values	8	8	8	8	8	8	8	8	8	8
Minimum	1600	1610	0.0031	0.0025	0.0155	0.0155	0.1	0.1	0.155	0.50
Maximum	1930	1930	0.05	0.25	0.05	0.1	0.645	0.540	12.2	14.9
Lowest fifth percentile	1618	1635	0	0	0	0	0	0	0	1
# of values between MDL and PQL	3	3	1	0	0	1	1	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	8.97	8.84
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	13%	13%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP0904																					
Sample Date																					
05/22/04	4.68	10.01	8.76		122	-65	4.5	3.53	15.0	21.3	**0.075**	**1.57**	4				**0.0155**		0.636	**0.0155**	0.71
09/17/04	6.32	3.57	10.88		107	-17	1.7	6.99	30.0	37.5	1.1	**1.57**	11.5	**0.47**			**0.0155**		0.650	**0.044**	0.66
Mean	5.5	7	9.820	NA	115	-41.00	3.1	5.26	23.0	29.4	0.59	1.57	8	0.47	NA	NA	0.0155	NA	0.640	0.030	0.69
Median	5.5	7	9.820	NA	115	-41.00	3.1	5.26	23.0	29.4	0.59	1.57	8	0.47	NA	NA	0.0155	NA	0.640	0.030	0.69
St. Deviation	1.16	5	1.500	NA	11	34.00	2.0	2.45	11	11.5	0.72	0	5	NA	NA	NA	0	NA	0.010	0.020	0.04
# of values	2	2	2	0	2	2	2	2	2	2	2	2	2	1	0	0	2	0	2	2	2
Minimum	4.68	3.57	8.76	NA	107	-65	1.7	3.53	15	21.3	0.075	1.57	4	0.47	NA	NA	0.0155	NA	0.636	0.0155	0.66
Maximum	6.32	10.01	10.88	NA	122	-17	4.5	6.99	30	37.5	1.1	1.57	11.5	0.47	NA	NA	0.0155	NA	0.650	0.044	0.71
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	50%	100%	0%	0%			100%		0%	50%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	1	1			0		0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	50%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP0905																					
Sample Date																					
07/19/05	7.24	2.88			65	-103.5	0.19	30.0	70.0	52.5	1.2	**0.785**	28.0	6.750			0.0785		0.805	**0.031**	3.04
08/22/05	7.15	2.94	12.34	91.5	65	165.5	0.42														
10/06/05	7.08	3.10	10.35	77.1	60	228.2	0.33	26.8	65.0	49.0	**0.2**	**2**	25.5	0.535			**0.0085**		0.949	**0.05**	2.53
06/29/06	7.10	2.91	11.14	82.6	64	-66.5	0.37	22.8	65.0	51.3	**0.784**	**2.00**	27.0	1.660	**0.0155**	1.630	0.0150	**0.05** J	0.780	**0.0410**	2.58
08/28/06	7.07	2.84	9.22	68.2	59	154	0.13	26.9	55.0	57.5	**0.0815**	**1.57**	26.0	0.488	**0.0155**	0.488	0.0170	**0.05** J	0.872	**0.0690**	2.49
10/02/06	6.70	2.99	9.44	70	58	198.2	0.09	24.2	55.0	43.8	1.12	**1.57**	26.0	0.367	**0.0155**	0.367	**0.0080**	**0.08** J	0.806	**0.0540**	2.55
03/27/07	7.35	2.53	9.77	71.2	68	160.2	1.06	30.4	65.0	37.5	**0.488**	**1.57**	32.0	0.375	**0.050**	0.341	0.0130	**0.05** J	0.827	**0.0590**	3.00
05/25/07	7.36	2.97	12.99	96.5	69	96.6	0.19	28.1	65.0	51.3	**0.163**	**1.57**	30.0	0.446			0.0259		0.815	**0.0520**	2.80
08/03/07	7.33	2.94	9.07	67.4	79	37.6	0.18	31.0	71.0	50.0	**2.5**	**1**	30.0	0.420			**0.025**		**1.0**	**0.05**	3.10
09/06/07	6.94	2.92	10.48	77.6	66	187.9	0.06	32.0	70.0	30.0	**2.5**	**1**	30.0	0.430			**0.005**		**1.0**	**0.05**	3.00
10/25/07	7.51	2.84	12.22	91.1	46	215.5	0.29	28.0	63.0	40.0	**2.5**	**1**	25.0	0.470			**0.01**		**0.9**	**0.05**	**2.1**
Mean	7.17	3	10.70	79.3	64	115.8	0.00	28	64.0	46.3	1.2	1.4	28.0	1.190	0.0241	0.710	0.021	0.058	0.880	0.051	2.72
Median	7.15	2.92	10.42	77.4	65	160.2	0.19	28.1	65.0	49.5	1.0	1.6	28.0	0.460	0.0155	0.430	0.014	0.050	0.850	0.050	2.69
St. Deviation	0.23	0	1.410	10.6	8.0	113.3	0.00	3	6	8.3	1	0.4	2.0	1.990	0.0173	0.620	0.022	0.015	0.080	0.010	0.32
# of values	11	11	10	10	11	11	11	10	10	10	10	10	10	10	4	4	10	4	10	10	10
Minimum	6.7	2.53	9.07	67.4	46	-103.5	0.06	22.8	55	30.0	0.0815	0.785	25.0	0.367	0.0155	0.341	0.005	0.0500	0.780	0.031	2.1
Maximum	7.51	3.1	12.99	96.5	79	228.2	1.06	32	71	57.5	2.5	2	32.0	6.750	0.050	1.630	0.0785	0.0800	1.0	0.069	3.10
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	80%	0%	0%	100%	0%	20%	100%	0%	40%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	3	0	3	6	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0904																									
Sample Date																									
05/22/04	**0.00125**	**0.00125**			**0.0155**	58.4	35.2	0.986	R	**0.125**	**0.125**	**0.150**		**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	1190	1160	**0.100**	**0.050**
09/17/04	**0.00125**	**0.00125**			**0.0155**	35.1	28.8	**0.0385**	**0.0385**	**0.125**	**0.125**	2.99	2.95	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	2280		**0.116**	**0.05**
Mean	0.00125	0.00125	NA	NA	0.0155	46.8	32.0	0.512	0.0385	0.125	0.125	1.57	2.95	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	1740	1160	0.11	0.05
Median	0.00125	0.00125	NA	NA	0.0155	46.8	32.0	0.512	0.0385	0.125	0.125	1.57	2.95	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	1740	1160	0.11	0.05
St. Deviation	0	0	NA	NA	0	16.5	4.5	0.67	NA	0	0	2.01	NA	0	0	0	0	0	0	0	0	770	NA	0.01	0
# of values	2	2	0	0	2	2	2	2	1	2	2	2	1	2	2	2	2	2	2	2	2	2	1	2	2
Minimum	0.00125	0.00125	NA	NA	0.0155	35.1	28.8	0.0385	0.0385	0.125	0.125	0.15	2.95	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	1190	1160	0.1	0.05
Maximum	0.00125	0.00125	NA	NA	0.0155	58.4	35.2	0.986	0.0385	0.125	0.125	2.99	2.95	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	2280	1160	0.116	0.05
% of values undetected	100%	100%			100%	0%	0%	50%	100%	100%	100%	50%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.08	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.024	0.025	NA	NA	5.794958783	4.983664554
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0905																									
Sample Date																									
07/19/05	**0.00125**	**0.00125**			**0.0155**	37.6	2.79	0.123	0.117	6.25	6.15	2.32	2.08	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**1.55**	**0.00775**	**0.00775**	9920	9570	0.792	0.948
08/22/05																									
10/06/05	**0.00125**	**0.00125**			**0.045**	2.61	**1.75**	0.11	0.105	5.57	4.99	2.00	1.79	**0.0075**	**0.0075**	**0.00155**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	8840	7640	0.947	0.619
06/29/06	**0.00105**	**0.00075**			**0.050**	114	3.19	0.139	0.145	6.26	5.92	2.69	2.08	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.97**	**1.78**	**0.0125**	**0.0125**	8970	8880	0.834	1.020
08/28/06	**0.00075**	**0.00075**			**0.0155**	2.08	**1.84**	**0.0075**	**0.0075**	5.59	5.48	2.03	1.83	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9000	9010	0.917	1.040
10/02/06	**0.00075**	**0.00075**			**0.050**	8.29	3.43	0.128	0.0966	6.00	5.44	1.91	1.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7950	8120	0.636	0.255
03/27/07	**0.00075**	**0.00075**			**0.0155**	5.18	3.02	0.167	0.183	6.48	6.53	2.32	2.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9980	9840	0.778	0.766
05/25/07	**0.00075**	**0.00075**			**0.0155**	2.37	2.66	0.139	0.155	5.67	5.48	2.05		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9200	9720	0.560	0.662
08/03/07	**0.0025**	**0.0025**			**0.025**	8.00	10.0	**0.2**	**0.2**	6.90	6.40	2.20		**0.05**	**0.05**	**20**	**20**	1.90	2.40	**0.05**	**0.05**	10500	10200	1.100	1.000
09/06/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	5.90	6.60	1.90	2.40	**0.05**	**0.05**	**20**	**20**	1.20	1.60	**0.05**	**0.05**	10200	10700	1.000	**0.25**
10/25/07	**0.015**	**0.0025**			**0.025**	**5**	**2.5**	**0.2**	**0.2**	5.60	4.70	3.10		**0.05**	**0.05**	**20**	**20**	1.70	1.80	**0.05**	**0.05**	8800	9200	0.900	0.900
Mean	0.003	0.0014	NA	NA	0.028	18.8	3.37	0.14	0.141	6.02	5.77	2.25	2.05	0.023	0.023	6	6	1.83	1.57	0.023	0.023	9300	9300	0.846	0.746
Median	0.001	0.001	NA	NA	0.025	5.1	2.73	0.14	0.15	5.95	5.70	2.13	2.08	0.013	0.013	0	0	1.40	1.55	0.016	0.016	9100	9400	0.867	0.833
St. Deviation	0.004	0.0008	NA	NA	0.015	35.1	2.39	0.06	0.062	0.45	0.65	0.38	0.25	0.019	0.019	10	10	1.15	0.36	0.019	0.019	800	900	0.163	0.298
# of values	10	10	0	0	10	10	10	10	10	10	10	10	7	10	10	10	10	10	10	10	10	10	10	10	10
Minimum	0.00075	0.00075	NA	NA	0.0155	2.08	1.75	0.0075	0.0075	5.57	4.70	1.90	1.79	0.0075	0.0075	0.00155	0.00155	1.20	1.25	0.0075	0.0075	7950	7640	0.560	0.25
Maximum	0.015	0.0025	NA	NA	0.05	114	10.0	0.2	0.2	6.90	6.60	3.10	2.40	0.05	0.05	20	20	5	2.40	0.05	0.05	10500	10700	1.100	1.040
% of values undetected	100%	100%			90%	20%	20%	40%	40%	0%	0%	0%	0%	100%	100%	100%	100%	60%	60%	100%	100%	0%	0%	0%	10%
# of values between MDL and PQL	0	0			1	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.26	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.092	0.089	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0904																									
Sample Date																									
05/22/04	**0.0155**		0.240	0.214	34.2	22.1	**0.050**		136	122	2.04		0.0025		**0.155**	**0.155**	**0.100**	0.267	55.7	51.5	**0.155**	**0.155**	1240	**0.00310**	**0.00310**
09/17/04	**0.0155**		0.287	0.219	68.0	20.2	**0.05**	**0.05**	316	382	2.12		**0.0005**		**0.155**	**0.155**	**0.1**		170	181	**0.155**	**0.155**	6310	**0.0031**	**0.0031**
Mean	0.0155	NA	0.264	0.217	51.1	21.2	0.0500	0.0500	226	252	2.08	NA	0.00150	NA	0.155	0.155	0.100	0.267	113	116	0.155	0.155	3780	0.0031	0.0031
Median	0.0155	NA	0.264	0.217	51.1	21.2	0.0500	0.0500	226	252	2.08	NA	0.00150	NA	0.155	0.155	0.100	0.267	113	116	0.155	0.155	3780	0.0031	0.0031
St. Deviation	0	NA	0.033	0.004	23.9	1.3	0	NA	127	184	0.0600	NA	0.00140	NA	0	0	0	NA	81.0	92.0	0	0	3590	0	0
# of values	2	0	2	2	2	2	2	1	2	2	2	0	2	0	2	2	2	1	2	2	2	2	2	2	2
Minimum	0.0155	NA	0.240	0.214	34.2	20.2	0.050	0.05	136	122	2.04	NA	0.0005	NA	0.155	0.155	0.100	0.267	55.7	51.5	0.155	0.155	1240	0.00310	0.00310
Maximum	0.0155	NA	0.287	0.219	68.0	22.1	0.05	0.05	316	382	2.12	NA	0.0025	NA	0.155	0.155	0.1	0.267	170	181	0.155	0.155	6310	0.0031	0.0031
% of values undetected	100%		0%	0%	0%	0%	100%	100%	0%	0%	0%		50%		100%	100%	100%	0%	0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0		0	0	0	0	0	0	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.558	0.536	1000	1000	0.048	0.061	NA	NA	NA	NA	0.012	0.012	NA	NA	3.21	3.20	NA	NA	5	4.6	NA	0.014005943	0.012
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	100%	0%	0%	0%	0%	NA	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0905																									
Sample Date																									
07/19/05	0.030	0.022	0.120	0.142	25.0	**3.1**	**0.05**		1270	1240	1.10	**0.1**	**0.000450**		0.394	0.471	0.401		421	407	**0.0775**	**0.0775**	5520	**0.0031**	**0.0031**
08/22/05																									
10/06/05	0.022		0.117	0.178	**3.1**	**3.1**	**0.0155**		1140	991	**0.0748**	**0.1**	**0.000450**		0.340	0.327	0.288		387	342	**0.0775**	**0.0775**	6210	**0.0031**	**0.0031**
06/29/06	0.0784	0.0336	0.224	0.293	114	**7.54**	0.790	0.771	1180	1190	3.89	0.0988	**0.000475**		0.395	0.367	0.529		393	395	**0.155**	**0.155**	6260	**0.0031**	**0.0031**
08/28/06	0.0212	0.0248	**0.0996**		**3.10**	**6.94**	**0.0604**	0.130	1080	1080	**0.0316**		**0.000475**		0.300	0.294	0.344		404	402	**0.155**	**0.155**	5650	**0.0031**	**0.0031**
10/02/06	0.0208	0.0218	0.120	0.197	28.7	24.4	**0.0155**	0.119	1050	1150	0.224	0.113	**0.000475**		0.456	0.396	0.230	0.419	332	378	**0.155**	**0.155**	5800	**0.0031**	**0.0031**
03/27/07	**0.0100**		0.106		**8.29**	**12.6**	7.57	**0.050**	1340	1310	0.0902		**0.000169**		0.513	0.509	0.341		407	391	**0.155**	**0.155**	5390	**0.0031**	**0.0031**
05/25/07	**0.0142**	**0.0162**	**0.050**		25.7	24.1	**0.0155**	**0.050**	1240	1280	**0.0250**		**0.000169**		0.448	0.493	0.228	0.236	372	407	**0.155**	**0.155**	5390	**0.0031**	**0.0031**
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1300	**0.25**	**0.25**	**0.000169**		**0.5**	**0.5**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5600	**0.025**	**0.025**
09/06/07	**0.07**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1300	**0.25**	**0.25**	**0.00250**		**0.25**	**1.5**	**0.3**	**0.3**	**400**	**150**	**0.05**	**0.05**	5900	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000421**		**1.5**	**0.25**	**0.3**	**0.3**	**600**	**300**	**0.05**	**0.05**	6100	**0.05**	**0.025**
Mean	0.032	0.024	0.159	0.223	23.8	11.0	0.900	0.160	1180	1200	0.600	0.170	0.000580	NA	0.500	0.510	0.326	0.310	470	332	0.108	0.108	5780	0.012	0.010
Median	0.024	0.025	0.120	0.25	10	10.0	0.100	0.0500	1190	1220	0.200	0.113	0.000450	NA	0.400	0.430	0.300	0.300	400	385	0.116	0.116	5730	0.0030	0.0030
St. Deviation	0.023	0.005	0.076	0.052	33.1	8.0	2.40	0.250	90	110	1.20	0.0800	0.000690	NA	0.400	0.360	0.0880	0.0700	200	102	0.0510	0.0510	330	0.016	0.011
# of values	10	8	10	7	10	10	10	8	10	10	10	7	10	0	10	10	10	5	10	10	10	10	10	10	10
Minimum	0.01	0.0162	0.050	0.142	3.1	3.1	0.0155	0.050	1050	991	0.0250	0.0988	0.000169	NA	0.25	0.25	0.228	0.236	332	150	0.05	0.05	5390	0.0031	0.0031
Maximum	0.0784	0.0336	0.25	0.293	114	24.4	7.57	0.771	1340	1310	3.89	0.25	0.00250	NA	1.5	1.5	0.529	0.419	1000	407	0.155	0.155	6260	0.05	0.025
% of values undetected	30%	38%	40%	43%	50%	50%	70%	63%	0%	0%	40%	71%	90%		20%	20%	30%	60%	10%	20%	100%	100%	0%	100%	100%
# of values between MDL and PQL	2	1	1	0	1	3	1	0	0	0	2	0	1		1	1	0	0	2	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.700	2.592	1000	1000	0.502	0.503	NA	NA	NA	NA	0.012	0.012	NA	NA	15.28	15.24	NA	NA	5	4.6	NA	0.334509391	0.284
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	20%	13%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP0904										
Sample Date										
05/22/04	862	784	**0.0125**	**0.0125**	1.50	**0.155**	0.464	**0.125**	**0.75**	1.70
09/17/04	1620	1720	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.337**	**0.125**	**0.235**	
Mean	1241	1252	0.0125	0.0125	0.830	0.155	0.401	0.125	0.490	1.70
Median	1241	1252	0.0125	0.0125	0.830	0.155	0.401	0.125	0.490	1.70
St. Deviation	536	662	0	0	0.950	0	0.0900	0	0.360	NA
# of values	2	2	2	2	2	2	2	2	2	1
Minimum	862	784	0.0125	0.0125	0.155	0.155	0.337	0.125	0.235	1.70
Maximum	1620	1720	0.0125	0.0125	1.50	0.155	0.464	0.125	0.75	1.70
% of values undetected	0%	0%	100%	100%	50%	100%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	7.34	7.24
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP0905										
Sample Date										
07/19/05	2280	2180	**0.0031**	**0.0031**	**0.031**	**0.031**	1.99	2.35	6.36	
08/22/05										
10/06/05	2140	1880	**0.0031**	**0.0031**	**0.031**	**0.031**	1.88	1.67	2.11	**0.945**
06/29/06	2140	2150	0.0146	**0.0025**	**0.0458**	**0.0316**	2.19	2.06	1.18	1.52
08/28/06	1970	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	1.93	2.29	**0.991**	1.16
10/02/06	2000	2130	**0.0154**	**0.0050**	**0.050**	**0.050**	1.69	1.51	**0.50**	**0.50**
03/27/07	2280	2200	**0.0050**	**0.0050**	**0.050**	**0.050**	2.01	2.07	1.61	
05/25/07	2120	2120	**0.0050**	**0.0050**	**0.050**	**0.050**	1.81	1.81	**0.50**	
08/03/07	2100	2200	**0.05**	**0.05**	**0.05**	**0.2**	2.20	1.90	**1**	**1**
09/06/07	2200	2300	**0.05**	**0.05**	**0.05**	**0.05**	1.40	2.20	**1**	**1**
10/25/07	**1900**	2200	**0.25**	**0.25**	**0.05**	**0.05**	2.00	1.90	**1**	**1**
Mean	2110	2140	0	0.0400	0.0460	0.0600	1.91	1.98	1.60	1.00
Median	2130	2170	0	0.0100	0.0500	0.0500	1.96	1.98	1.00	1.00
St. Deviation	130	110	0.100	0.0800	0.00800	0.0500	0.240	0.270	1.70	0.300
# of values	10	10	10	10	10	10	10	10	10	7
Minimum	1900	1880	0.0031	0.0025	0.031	0.031	1.40	1.51	0.50	0.50
Maximum	2280	2300	0.25	0.25	0.05	0.2	2.20	2.35	6.36	1.52
% of values undetected	0%	0%	80%	100%	90%	80%	0%	0%	50%	57%
# of values between MDL and PQL	1	0	1	0	1	2	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	35.04	34.55
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP100																					
Sample Date																					
08/07/07	5.58	2.61	11.66	85.4	36	180.2	0.06	16.0	42.0	30.0	**10**	**1**	**16**	0.450			**0.01**		**1.1**	**0.05**	**0.7**
09/05/07	6.11	2.57	9.21	67.6	21	144.2	0.08	15.0	42.0	40.0	**2.5**	**1**	**17**	0.460			**0.01**		**1.0**	**0.05**	**1.0**
10/27/07	6.10	3.08	8.82	65.7	49	149.6	0.07	17.0	48.0	50.0	**2.5**	**1**	**18**	0.350			**0.02**		**1.0**	**0.05**	**0.25**
06/02/08	7.11	1.87	10.1	72.9	26	225.1	0.21	13.3	37.1	35.0	1.71	10.8	14.2	0.744			0.0137		1.16	**0.032**	0.73
08/02/08	6.76	2.32	10.52	76.9	27	271.6	0.17	12.0	23.3	22.5	**0.150**	**5.34**	14.6	0.448			0.0177		0.587	**0.041**	0.53
09/17/08	5.55	2.45	10.43	76.3	39	257	0.08	14.4	40.7	32.5	**0.1565**	**7.92**	17.2	0.447			**0.0050**		0.655	**0.0155**	0.60
11/03/08	7.00	2.95	9.23	68.5	41	256.2	0.17	16.5	48.9	25.0	**0.1665**	**9.9**	21.5	0.376			0.0107		0.696	**0.038**	0.67
Mean	6.32	0	10.00	73.3	34	212.0	0.1	15	40.3	34.0	2.5	5.3	16.9	0.468	NA	NA	0.012	NA	0.89	0.040	0.64
Median	6.11	2.57	10.10	72.9	36	225.1	0.080	15	42.0	32.5	1.71	5.34	17.0	0.448	NA	NA	0.0107	NA	1.0	0.041	0.67
St. Deviation	0.65	0	1.000	6.90	10	53.50	0.1	2	8.5	9.0	3.5	4.4	2.4	0.129	NA	NA	0.005	NA	0.23	0.013	0.23
# of values	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	5.55	1.87	8.82	65.7	21	144.2	0.06	12	23.3	22.5	0.15	1	14.2	0.350	NA	NA	0.005	NA	0.587	0.0155	0.25
Maximum	7.11	3.08	11.66	85.4	49	271.6	0.21	17	48.9	50.0	10	10.8	21.5	0.744	NA	NA	0.02	NA	1.16	0.05	1.0
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	43%	0%	0%			14%		0%	57%	14%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	3	3	0			3		3	3	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP1004																					
Sample Date																					
09/17/04	5.88	9.52	10.61		106	-21	0	10.1	120	33.8	0.9	**1.57**	14.5				**0.0155**		0.589	**0.031**	2.81
Mean	5.88	9.52	10.61	NA	106	-21.00	0	10.1	120	33.8	0.9	1.57	14.5	NA	NA	NA	0.0155	NA	0.589	0.031	2.81
Median	5.88	9.52	10.61	NA	106	-21.00	0	10.1	120	33.8	0.9	1.57	14.5	NA	NA	NA	0.0155	NA	0.589	0.031	2.81
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1
Minimum	5.88	9.52	10.61	NA	106	-21	0	10.1	120	33.8	0.9	1.57	14.5	NA	NA	NA	0.0155	NA	0.589	0.031	2.81
Maximum	5.88	9.52	10.61	NA	106	-21	0	10.1	120	33.8	0.9	1.57	14.5	NA	NA	NA	0.0155	NA	0.589	0.031	2.81
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	100%	0%				100%		0%	0%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	0				0		0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	NA	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	100%	NA	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP100																									
Sample Date																									
08/07/07	**0.0025**	**0.0025**			**0.025**	7.00	8.00	**0.2**	**0.2**	**0.25**	**0.25**	2.20		**0.05**	**0.05**	**20**	**20**	1.10	1.50	**0.05**	**0.05**	4500	4800	**0.4**	0.600
09/05/07	**0.0025**	**0.0025**			**0.025**	13.0	7.00	**0.2**	**0.2**	**0.25**	**0.25**	2.20	2.40	**0.05**	**0.05**	**20**	**20**	2.00	1.10	**0.05**	**0.05**	4500	4700	**0.05**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	9.00	6.00	**0.2**	**0.2**	**0.25**	**0.25**	3.50	2.40	**0.05**	**0.05**	**20**	**20**	1.60	1.50	**0.05**	**0.05**	5100	5400	**0.25**	**0.25**
06/02/08	**0.00075**	**0.00075**			0.41	4.96		**0.0075**	**0.0075**	**0.155**	**0.155**	2.14	2.08	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3960	4000	0.414	**0.166**
08/02/08	**0.00075**	**0.00075**			**0.0155**	5.12	5.49	**0.0075**	**0.0075**	**0.155**	**0.155**	1.78	1.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3610	3620	0.355	0.216
09/17/08	**0.00075**	**0.00075**			**0.050**	6.35	4.31	**0.0075**	**0.0075**	**0.155**	**0.155**	2.05		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4300	4570	0.668	0.429
11/03/08	**0.00075**	**0.00075**			**0.050**	11.2	5.11	**0.0075**	**0.0075**	**0.155**	**0.155**	2.47	2.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5000	4900	**0.050**	**0.13**
Mean	0.0015	0.0015	NA	NA	0.086	8.09	5.99	0.09	0.09	0.196	0.196	2.33	2.22	0.0286	0.0286	8.5757	8.5757	1.39	1.30	0.0257	0.0257	4400	4600	0.312	0.292
Median	0.00075	0.00075	NA	NA	0.025	7.00	5.75	0.0075	0.0075	0.155	0.155	2.20	2.40	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4500	4700	0.355	0.25
St. Deviation	0.00094	0.00094	NA	NA	0.144	3.09	1.33	0.1029	0.1029	0.051	0.051	0.55	0.30	0.02	0.02	10.6864	10.6864	0.31	0.15	0.0227	0.0227	500	600	0.219	0.166
# of values	7	7	0	0	7	7	6	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7
Minimum	0.00075	0.00075	NA	NA	0.0155	4.96	4.31	0.0075	0.0075	0.155	0.155	1.78	1.76	0.0125	0.0125	0.0075	0.0075	1.10	1.10	0.0075	0.0075	3610	3620	0.05	0.13
Maximum	0.0025	0.0025	NA	NA	0.41	13.0	8.00	0.2	0.2	0.25	0.25	3.50	2.46	0.05	0.05	20	20	2.00	1.50	0.05	0.05	5100	5400	0.668	0.600
% of values undetected	100%	100%			86%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	57%	57%	100%	100%	0%	0%	43%	29%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.04	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.058	0.057	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1004																									
Sample Date																									
09/17/04	**0.003**	**0.00125**			**0.0155**	**12.5**	**12.5**	**0.0385**	**0.0957** J	**0.125**	**0.125**	2.49	2.78	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	3280		**0.114**	0.249
Mean	0.0030	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0957	0.125	0.125	2.49	2.78	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	3280	NA	0.114	0.249
Median	0.003	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0957	0.125	0.125	2.49	2.78	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	3280	NA	0.114	0.249
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
Minimum	0.003	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0957	0.125	0.125	2.49	2.78	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	3280	NA	0.114	0.249
Maximum	0.003	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0957	0.125	0.125	2.49	2.78	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	3280	NA	0.114	0.249
% of values undetected	0%	100%			100%	100%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%		0%	0%
# of values between MDL and PQL	1	0			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.98	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.050	0.050	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP100																									
Sample Date																									
08/07/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	**900**	**0.7**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5200	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**900**	**900**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	5800	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	**800**	**900**	**0.25**	**0.25**	**0.000594**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**400**	**0.05**	**0.05**	5800	**0.025**	**0.025**
06/02/08	**0.0185**	**0.0121**	0.640	0.18	**13.8**	**19.2**	**0.0319**	**0.0155**	843	829	0.589	0.576	**0.00075**		**0.0312**	**0.0312**	0.361	**0.169**	178	162	**0.155**	**0.155**	5500	**0.0031**	**0.0031**
08/02/08	**0.0175**	**0.0159**	0.194		**14**	**14.2**	**0.0155**	**0.0155**	715	710	0.251	0.230	**0.00075**		0.101	0.107	**0.100**	**0.100**	139	132	**0.155**	**0.155**	5310	**0.0031**	**0.0031**
09/17/08	**0.015**	**0.0166**	1.68	**0.0250**	**12**	**9.47**	**0.0155**	**0.0155**	882	960	0.226	0.181	**0.00282**		0.108	0.110	**0.100**	**0.100**	148	186	**0.155**	**0.155**	5250	**0.0031**	**0.0031**
11/03/08	**0.018**	**0.0175**	0.267		**18.9**	**12.3**	**0.0155**	**0.0155**	965	1000	1.23	0.279	**0.00216**		0.0999	**0.0339**	**0.159**	0.348	163	181	**0.155**	**0.155**	5750	**0.0031**	**0.0099**
Mean	0.021	0.0196	0.504	0.19	13	12.2	0.0326	0.0589	844	890	0.499	0.290	0.00106	NA	0.156	0.150	0.230	0.230	297	194	0.110	0.110	5500	0.013	0.014
Median	0.0185	0.0175	0.25	0.25	12	10	0.0319	0.0155	843	900	0.251	0.250	0.000750	NA	0.108	0.110	0.300	0.300	163	162	0.155	0.155	5500	0.0031	0.0099
St. Deviation	0.004	0.0053	0.540	0.1	3	3.5	0.0173	0.0858	81	90	0.375	0.130	0.00103	NA	0.0920	0.100	0.110	0.100	315	93.0	0.0560	0.0560	300	0.012	0.011
# of values	7	7	7	5	7	7	7	7	7	7	7	7	7	0	7	7	7	7	7	7	7	7	7	7	7
Minimum	0.015	0.0121	0.194	0.025	10	9.47	0.0155	0.0155	715	710	0.226	0.181	0.000169	NA	0.0312	0.0312	0.100	0.100	139	132	0.05	0.05	5200	0.0031	0.0031
Maximum	0.025	0.025	1.68	0.25	18.9	19.2	0.05	0.25	965	1000	1.23	0.576	0.00282	NA	0.25	0.25	0.361	0.348	1000	400	0.155	0.155	5800	0.025	0.025
% of values undetected	43%	43%	43%	80%	43%	43%	86%	100%	0%	0%	29%	43%	57%		43%	43%	71%	71%	29%	29%	100%	100%	0%	100%	86%
# of values between MDL and PQL	4	4	0	0	4	4	1	0	3	3	1	0	3		1	2	1	1	1	1	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.566	1.504	1000	1000	0.223	0.244	NA	NA	NA	NA	0.012	0.012	NA	NA	8.91	8.89	NA	NA	5	4.6	NA	0.111810509	0.095
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	14%	0%	0%	0%	0%	14%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1004																									
Sample Date																									
09/17/04	**0.05**		0.453	0.316	45.2	**9.82**	**0.05**	**0.05**	463		13.1		**0.0005**		**0.155**	**0.312**	0.233		181	208	**0.155**	**0.155**	4710	**0.0031**	**0.0031**
Mean	0.050	NA	0.453	0.316	45.2	9.82	0.0500	0.0500	463	NA	13.1	NA	0.000500	NA	0.155	0.312	0.233	NA	181	208	0.155	0.155	4710	0.0031	0.0031
Median	0.05	NA	0.453	0.316	45.2	9.82	0.0500	0.0500	463	NA	13.1	NA	0.000500	NA	0.155	0.312	0.233	NA	181	208	0.155	0.155	4710	0.0031	0.0031
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	0	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1
Minimum	0.05	NA	0.453	0.316	45.2	9.82	0.05	0.05	463	NA	13.1	NA	0.0005	NA	0.155	0.312	0.233	NA	181	208	0.155	0.155	4710	0.0031	0.0031
Maximum	0.05	NA	0.453	0.316	45.2	9.82	0.05	0.05	463	NA	13.1	NA	0.0005	NA	0.155	0.312	0.233	NA	181	208	0.155	0.155	4710	0.0031	0.0031
% of values undetected	100%		0%	0%	0%	0%	100%	100%	0%		0%		100%		100%	0%	0%		0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0		0	0	0	1	0	0	0		0		0		0	1	0		0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.315	1.263	1000	1000	0.172	0.193	NA	NA	NA	NA	0.012	0.012	NA	NA	7.50	7.48	NA	NA	5	4.6	NA	0.078674273	0.067
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	NA	0%	NA	0%	NA	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%		0%		0%	NA	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP100										
Sample Date										
08/07/07	2600	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**3**
09/05/07	2600	2600	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**1**
10/27/07	2800	2900	**0.05**	**0.25**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**5**
06/02/08	2440	2430	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.37	**0.494**
08/02/08	2260	2270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
09/17/08	2550	2460	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/03/08	2630	2810	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.77
Mean	2550	2600	0.0529	0.0814	0.0500	0.0500	0.189	0.246	1.40	2.30
Median	2600	2600	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.00	1.77
St. Deviation	170	220	0.0895	0.116	0	0	0.140	0.175	1.60	1.80
# of values	7	7	7	7	7	7	7	7	7	5
Minimum	2260	2270	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	0.494
Maximum	2800	2900	0.25	0.25	0.05	0.05	0.5	0.5	5	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	86%	40%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	20.42	20.14
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1004										
Sample Date										
09/17/04	1850		**0.0125**	**0.0125**	**0.155**	**0.155**	**0.269**	**0.125**	**0.75**	**0.75**
Mean	1850	NA	0.0125	0.0125	0.155	0.155	0.269	0.125	0.750	0.750
Median	1850	NA	0.0125	0.0125	0.155	0.155	0.269	0.125	0.750	0.750
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	0	1	1	1	1	1	1	1	1
Minimum	1850	NA	0.0125	0.0125	0.155	0.155	0.269	0.125	0.75	0.75
Maximum	1850	NA	0.0125	0.0125	0.155	0.155	0.269	0.125	0.75	0.75
% of values undetected	0%		100%	100%	100%	100%	0%	100%	100%	100%
# of values between MDL and PQL	0		0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	17.17	16.93
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%		0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP1005																					
Sample Date																					
07/20/05	6.75	3.47	9.91	74.6	85	280.9	0.23	37.2	85.0	66.3	5.15	**2.88**	36.0	0.471			0.15		0.784	**0.05**	4.18
08/23/05	6.75	3.46	10.2	76.7	84	153.5	0.18														
10/05/05	6.65	3.48	8.88	67.1	82	227.2	0.21	34.0	85.0	51.0	1.22	**3.5**	36.5	0.539			**0.0071**		0.786	**0.05**	4.64
06/29/06	6.74	3.41	9.19	69.1	79	-90.5	0.83	34.9	75.0	53.8	5.82	**2.60**	36.0	0.348	**0.0155**	0.328	0.0150	**0.0155**	0.783	**0.0440**	4.38
08/28/06	7.10	3.55	7.6	57.5	84	132.8	0.04	39.7	75.0	52.5	**0.075**	**1.57**	38.0	0.508	**0.0155**	0.484	**0.0060**	**0.05** J	0.793	**0.0380**	4.87
10/05/06	7.31	3.51	8.02	60.5	81	211.2	0.26	35.4	80.0	56.3	5.77	**1.57**	37.0	0.372	**0.0155**	0.347	0.0130	**0.05** J	0.795	**0.0640**	4.59
03/25/07	7.03	3.45	10.1	76.1	86	135.9	0.1	37.3	80.0	51.3	**0.1545**	**1.57**	36.0	0.371	**0.0155**	0.342	**0.00155**	**0.05** J	0.823	**0.0460**	4.69
05/25/07	6.90	3.52	11.08	83.3	86	103.7	0.1	34.1	80.0	55.0	**0.341**	**1.57**	37.0	0.438			0.0253		0.826	**0.0530**	4.52
08/03/07	7.47	3.60	7.53	56.9	97	37.5	0.12	38.0	89.0	40.0	**8**	**1**	36.0	0.45			**0.01**		**1.0**	**0.05**	4.80
09/07/07	6.96	3.61	8.79	66.4	87	223.4	0.15	39.0	90.0	30.0	**2.5**	**1**	38.0	0.42			**0.005**		**1.0**	**0.05**	5.50
10/25/07	7.31	3.49	10.12	76.3	63	171.7	0.13	40.0	88.0	50.0	**2.5**	**1**	36.0	0.42			**0.005**		**0.9**	**0.05**	4.10
Mean	7	4	9.220	69.5	83	144.3	0.2	37	83	51.0	3.15	1.8	37.0	0.434	0.0155	0.375	0.024	0.041	0.849	0.05	4.63
Median	6.96	3.49	9.190	69.1	84	153.5	0.15	37.3	83	52.0	2.50	1.6	36.0	0.429	0.0155	0.345	0.009	0.05	0.809	0.05	4.62
St. Deviation	0.27	0	1.170	8.70	8.0	102.7	0.2	2.3	5	10.0	2.84	0.9	1.0	0.061	0	0.073	0.045	0.017	0.087	0.01	0.4
# of values	11	11	11	11	11	11	11	10	10	10	10	10	10	10	4	4	10	4	10	10	10
Minimum	6.65	3.41	7.53	56.9	63	-90.5	0.04	34	75	30.0	0.075	1	36.0	0.348	0.0155	0.328	0.00155	0.0155	0.783	0.038	4.10
Maximum	7.47	3.61	11.08	83.3	97	280.9	0.83	40	90	66.3	8	3.5	38.0	0.539	0.0155	0.484	0.15	0.05	1.0	0.064	5.50
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	70%	0%	0%	100%	0%	30%	100%	0%	50%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	3	0	3	5	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP101																					
Sample Date																					
08/07/07	5.98	3.22	12.11	90.7	16	243.5	0.14	7.0	18.0	20.0	**2.5**	**1**	**6**	0.120			**0.01**		**0.9**	**0.05**	**0.7**
09/04/07	5.06	3.61	10.12	76.5	18	117	0.12	**3.5**	19.0	20.0	**2.5**	**1**	**7**	0.120			**0.005**		**1.0**	**0.05**	**0.8**
10/27/07	5.48	3.53	8.2	61.8	18	173.8	0.06	**3.5**	21.0	30.0	**2.5**	**1**	**10**	0.160			**0.005**		**0.9**	**0.05**	**0.25**
06/02/08	7.68	1.80	10.87	78.2	12	218.6	0.07	5.51	19.7	23.8	**0.150**	**6.63**	**6.24**	0.327			**0.0058**		0.691	**0.037**	0.48
08/02/08	6.62	2.56	10.99	80.7	18	257.1	0.09	5.54	14.9	15.0	**0.808**	**5.02**	**7.32**	0.171			0.0106		0.635	**0.042**	0.49
09/17/08	6.33	3.41	11.04	82.8	16	241.2	0.12	5.09	16.8	10.0	**0.183**	**3.78**	**6.94**	0.156			0.0192		0.16	**0.04**	0.50
11/03/08	6.32	3.08	9.98	74.3	19	297.3	0.14	5.99	19.7	12.5	**0.153**	**6.58**	**7.92**	0.191			**0.0044**		0.648	**0.0155**	0.57
Mean	6.21	3	10.47	77.9	17	221.2	0.11	5.16	18.4	19.0	1.26	3.57	7.35	0.178	NA	NA	0.009	NA	0.70	0.041	0.54
Median	6.32	3.22	10.87	78.2	18	241.2	0.12	5.51	19	20.0	0.808	3.78	7.0	0.160	NA	NA	0.0058	NA	0.691	0.042	0.50
St. Deviation	0.84	0.6	1.220	8.80	2.0	59.30	0.030	1.28	2.1	7.0	1.19	2.59	1.34	0.071	NA	NA	0.005	NA	0.28	0.012	0.18
# of values	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	5.06	1.8	8.2	61.8	12	117	0.06	3.5	14.9	10.0	0.150	1	6	0.120	NA	NA	0.0044	NA	0.16	0.0155	0.25
Maximum	7.68	3.61	12.11	90.7	19	297.3	0.14	7	21	30.0	2.5	6.63	10	0.327	NA	NA	0.0192	NA	1.0	0.05	0.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	29%	0%	0%	86%	43%	14%	0%			29%		0%	57%	14%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	4	6	0			3		3	3	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1005																									
Sample Date																									
07/20/05	**0.00125**	**0.00125**			**0.0155**	205	3.67	0.066	0.0632 +	1.29	1.11	5.58	3.74	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	11200	11500	0.757	0.740
08/23/05																									
10/05/05	**0.00125**	**0.00125**			**0.0155**	18.2	**1.16**	0.059	0.049	1.37	0.89	3.70	3.05	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	10400	9220	0.707	0.321
06/29/06	**0.00105**	**0.00075**			**0.0155**	45.5	3.83	0.0914	0.0862	0.95	1.07	3.83	4.06	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.16**	**1.82**	**0.0125**	**0.0125**	10600	11000	0.862	
08/28/06	**0.00075**	**0.00075**			**0.0155**	2.06	**1.52**	**0.0075**	**0.0075**	1.27	1.33	3.66	3.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	12300	12400	0.859	0.981
10/05/06	**0.00075**	**0.00075**			**0.050**	9.66	**1.00**	**0.0450**	0.0572	0.94	1.03	3.53	4.27	**0.0125**	**0.0125**	**0.0075**	**0.0184**	**1.25**	**1.25**	**0.0185**	**0.0185**	10600	12900	**0.153**	
03/25/07	**0.00075**	**0.00075**			**0.0155**	56.8	**1.00**	0.0950	0.0894	1.28	1.14	4.56	3.82	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11400	10300	0.655	0.432
05/25/07	**0.00075**	**0.00075**			**0.0155**	12.4	**1.00**	0.0832	0.0974	1.09	1.10	3.72		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.92**	**0.0075**	**0.0075**	10300	10800	0.300	0.349
08/03/07	**0.0025**	**0.015**			**0.025**	14.0	11.0	**0.2**	**0.2**	1.20	1.50	4.40	4.80	**0.05**	**0.05**	**60**	**20**	1.80		**0.05**	**0.05**	11800	11600	0.700	**0.05**
09/07/07	**0.0025**	**0.0025**			**0.025**	13.0	6.00	**0.2**	**0.2**	**0.6**	1.40	3.60	3.50	**0.05**	**0.05**	**20**	**20**	2.40	2.00	**0.05**	**0.05**	11900	11800	0.700	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.025**	6.00	6.00	**0.2**	**0.2**	1.20	1.00	5.00	5.60	**0.05**	**0.05**	**20**	**20**	2.10	2.00	**0.05**	**0.05**	11900	12300	0.600	**0.25**
Mean	0.0014	0.0026	NA	NA	0.0218	38.3	3.62	0.105	0.105	1.12	1.16	4.16	4.07	0.023	0.023	10.0041	6.0052	2.00	2.12	0.023	0.023	11200	11400	0.629	0.422
Median	0.0012	0.001	NA	NA	0.0155	13.5	2.60	0.087	0.088	1.20	1.11	3.78	3.82	0.013	0.013	0.0075	0.0075	1.68	1.82	0.016	0.016	11300	11600	0.700	0.335
St. Deviation	0.0008	0.0044	NA	NA	0.0109	61.2	3.28	0.07	0.07	0.23	0.19	0.70	0.75	0.019	0.019	19.4342	9.6574	1.14	1.21	0.019	0.019	700	1100	0.230	0.299
# of values	10	10	0	0	10	10	10	10	10	10	10	10	9	10	10	10	10	10	9	10	10	10	10	10	8
Minimum	0.00075	0.00075	NA	NA	0.0155	2.06	1.00	0.0075	0.0075	0.60	0.89	3.53	3.05	0.0075	0.0075	0.00155	0.00155	1.25	1.25	0.0075	0.0075	10300	9220	0.153	0.05
Maximum	0.0025	0.015	NA	NA	0.05	205	11.0	0.2	0.2	1.37	1.50	5.58	5.60	0.05	0.05	60	20	5	5	0.05	0.05	12300	12900	0.862	0.981
% of values undetected	100%	100%			100%	0%	30%	40%	40%	0%	0%	0%	0%	100%	100%	90%	90%	60%	56%	100%	100%	0%	0%	0%	38%
# of values between MDL and PQL	0	0			0	0	2	1	0	1	0	0	0	0	0	1	1	1	2	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.45	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.122	0.116	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	10%	NA	NA	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP101																									
Sample Date																									
08/07/07	**0.0025**	**0.0025**			**0.025**	9.00	9.00	**0.2**	**0.2**	**0.25**	**0.25**	1.40		**0.05**	**0.05**	**20**	**40**	**0.6**	1.50	**0.05**	**0.05**	1600	2100	**0.4**	0.500
09/04/07	**0.0025**	**0.0025**			**0.025**	7.00	10.0	**0.2**	**0.2**	**0.25**	**0.25**	1.60	2.00	**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	1800	2200	**0.25**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	8.00	6.00	**0.2**	**0.2**	**0.25**	**0.25**	2.90	1.80	**0.05**	**0.05**	**20**	**20**	1.60	1.50	**0.05**	**0.05**	1800	1800	0.700	**0.25**
06/02/08	0.057	**0.00075**			0.473	6.27	5.16	**0.0075**	**0.0075**	**0.155**	**0.155**	1.39		**0.0125**	**0.0125**	**0.0075**	**0.0238**	**1.25**	**1.25**	**0.0075**	**0.0075**	1770	1990	**0.133**	0.326
08/02/08	**0.00075**	**0.00075**			**0.054**	4.75	5.74	**0.0075**	**0.0172** J	**0.155**	**0.155**	1.46		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1800		0.233	0.272
09/17/08	**0.00075**	**0.00075**			0.132	5.06	3.78	**0.0075**	**0.017** J	**0.155**	**0.155**	1.45		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1640		0.305	0.390
11/03/08	**0.00075**	**0.00075**			**0.050**	4.53		**0.0075**	**0.0075**	**0.155**	**0.155**	1.61	1.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1930	2040	**0.129**	**0.188**
Mean	0.0095	0.0015	NA	NA	0.112	6.37	6.61	0.09	0.093	0.196	0.196	1.69	1.90	0.0286	0.0286	8.5757	11.435	1.10	1.21	0.0257	0.0257	1800	2000	0.307	0.311
Median	0.0025	0.00075	NA	NA	0.05	6.27	5.87	0.0075	0.0172	0.155	0.155	1.46	1.80	0.0125	0.0125	0.0075	0.0238	1.25	1.25	0.0075	0.0075	1800	2040	0.25	0.272
St. Deviation	0.0209	0.00094	NA	NA	0.164	1.72	2.39	0.1029	0.1	0.051	0.051	0.54	0.10	0.02	0.02	10.6864	15.73	0.40	0.34	0.0227	0.0227	100	100	0.197	0.105
# of values	7	7	0	0	7	7	6	7	7	7	7	7	3	7	7	7	7	7	7	7	7	7	5	7	7
Minimum	0.00075	0.00075	NA	NA	0.025	4.53	3.78	0.0075	0.0075	0.155	0.155	1.39	1.76	0.0125	0.0125	0.0075	0.0075	0.50	0.5	0.0075	0.0075	1600	1800	0.129	0.188
Maximum	0.057	0.0025	NA	NA	0.473	9.00	10	0.2	0.2	0.25	0.25	2.90	2.00	0.05	0.05	20	40	1.60	1.50	0.05	0.05	1930	2200	0.7	0.500
% of values undetected	86%	100%			57%	0%	0%	100%	71%	100%	100%	0%	0%	100%	100%	100%	71%	71%	71%	100%	100%	0%	0%	14%	29%
# of values between MDL and PQL	0	0			1	0	0	0	2	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.07	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.023	0.024	NA	NA	5.533457638	4.758773569
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	43%	43%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1005																									
Sample Date																									
07/20/05	0.0856	0.0154	0.256	0.242	157	**10**	0.149	0.191	2220	2210	3.30	**0.1**	**0.000450**		0.743	0.779	0.471	0.567	513	502	**0.0775**	**0.0775**	5730	**0.0031**	**0.0031**
08/23/05																									
10/05/05	0.0306	0.0322	0.169		20.7	**3.1**	**0.0944**		1980	1740	0.500	**0.1**	**0.000450**		0.564	0.624	0.353		436	385	**0.0775**	**0.0775**	6560	**0.0031**	**0.0031**
06/29/06	0.0468	0.0350	0.163	0.193	44.8	**9.21**	0.235		2070	2150	2.00	0.872	**0.000475**		0.732	0.727	0.572		471	501	**0.155**	**0.155**	6220	**0.0031**	**0.0031**
08/28/06	0.0246	0.0298	0.110		**6.91**	**7.81**	**0.0155**		2190	2200	0.0808		**0.000475**		0.730	0.740	0.485		532	536	**0.155**	**0.155**	5890	**0.0031**	**0.0031**
10/05/06	0.0214	0.0230	0.120	0.179	38.5	42.0	**0.0155**	**0.0155**	2170	2140	0.496	0.0920	**0.000475**		0.737	0.859	0.263	0.363	469	493	**0.155**	**0.155**	5510	**0.0031**	**0.0031**
03/25/07	0.0400		0.207		44.9	**3.10**	0.106	**0.0155**	2120	2210	4.78		**0.000169**		0.823	0.838	0.431		482	455	**0.155**	**0.155**	6030	**0.0031**	**0.0031**
05/25/07	**0.0198**	0.0202	0.101		35.8	31.0	**0.050**	**0.050**	2050	2280	0.275	0.132	**0.000427**		0.810	0.815	0.246	0.343	434	502	**0.155**	**0.155**	5840	**0.0031**	**0.0031**
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	2100	2200	**1.9**	**0.25**	**0.000169**		**0.7**	**0.9**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	5800	**0.025**	**0.025**
09/07/07	**0.07**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	2200	2200	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**1.5**	**0.3**	**400**	**300**	**0.05**	**0.05**	5400	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	2100	2300	**0.8**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**600**	**400**	**0.05**	**0.05**	6400	**0.025**	**0.025**
Mean	0.0389	0.026	0.188	0.227	39.4	14.0	0.0815	0.0890	2120	2160	1.44	0.260	0.000576	NA	0.880	0.928	0.492	0.360	534	507	0.108	0.108	5940	0.0097	0.0097
Median	0.0278	0.025	0.188	0.246	30.4	10.0	0.0500	0.0500	2110	2200	0.650	0.190	0.000450	NA	0.740	0.827	0.392	0.320	477	497	0.116	0.116	5870	0.0031	0.0031
St. Deviation	0.0225	0.006	0.063	0.032	43.8	13.0	0.0680	0.0930	80	160	1.56	0.260	0.000690	NA	0.330	0.311	0.370	0.100	173	187	0.0510	0.0510	370	0.011	0.011
# of values	10	9	10	6	10	10	10	7	10	10	10	8	10	0	10	10	10	6	10	10	10	10	10	10	10
Minimum	0.0198	0.0154	0.101	0.179	6.91	3.10	0.0155	0.0155	1980	1740	0.0808	0.0920	0.000169	NA	0.564	0.624	0.246	0.3	400	300	0.05	0.05	5400	0.0031	0.0031
Maximum	0.0856	0.035	0.256	0.25	157	42.0	0.235	0.25	2220	2300	4.78	0.872	0.00250	NA	1.5	1.5	1.5	0.567	1000	1000	0.155	0.155	6560	0.025	0.025
% of values undetected	20%	33%	30%	50%	30%	60%	60%	86%	0%	0%	10%	63%	90%		20%	20%	30%	50%	10%	10%	100%	100%	0%	100%	100%
# of values between MDL and PQL	2	0	0	0	1	2	1	0	0	0	2	0	1		1	1	0	0	2	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.715	3.566	1000	1000	0.807	0.765	NA	NA	NA	NA	0.012	0.012	NA	NA	20.96	20.90	NA	NA	5	4.6	NA	0.636109264	0.541
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP101																									
Sample Date																									
08/07/07	**0.025**	**0.025**	**0.9**	**0.25**	**10**	**20**	**0.05**	**0.05**	**200**	**400**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4300	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**300**	**300**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4900	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**0.25**	**0.8**	**10**	**10**	**0.05**	**0.25**	**100**	**200**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.7**	**0.3**	**150**	**150**	**0.05**	**0.05**	4500	**0.025**	**0.025**
06/02/08	**0.0050**	**0.0115**	**0.0819**		**3.10**	**6.86**	**0.0155**	**0.0427**	265	305	0.281		**0.00075**		0.0582	0.0693	**0.0310**	0.254	100	121	**0.155**	**0.155**	4370	**0.0031**	**0.0031**
08/02/08	**0.0050**	**0.0163**	0.156	0.219	**3.10**	**8.97**	**0.0155**	**0.0155**	255		0.215		**0.00075**		0.162	0.210	**0.100**	0.248	94.5		**0.155**	**0.155**	4620	**0.0031**	**0.0031**
09/17/08	**0.0050**	**0.0152**	0.140		**3.10**	**3.10**	**0.0155**	**0.0155**	240		0.206	0.211	**0.00075**		0.175	0.218	**0.0310**	**0.100**	94.8		**0.155**	**0.155**	4590	**0.0031**	**0.0031**
11/03/08	**0.0050**	**0.0114**	0.216		**3.10**	**7.88**	**0.0155**	**0.0327**	284	325	0.237		**0.00075**		0.171	0.0865	**0.0874**	0.245	105	124	**0.155**	**0.155**	4930	**0.0031**	**0.0105**
Mean	0.0136	0.0185	0.285	0.38	6.1	9.5	0.0303	0.0652	230	310	0.241	0.240	0.00117	NA	0.188	0.190	0.220	0.250	120	140	0.110	0.110	4600	0.013	0.014
Median	0.005	0.0163	0.216	0.25	3.1	9.0	0.0155	0.0427	255	305	0.250	0.250	0.000750	NA	0.175	0.218	0.100	0.254	105	150	0.155	0.155	4590	0.0031	0.011
St. Deviation	0.0107	0.0063	0.278	0.28	3.7	5.2	0.0184	0.0828	70	70	0.0250	0.0200	0.000930	NA	0.0700	0.080	0.240	0.0700	30.0	20.0	0.0560	0.0560	240	0.012	0.011
# of values	7	7	7	4	7	7	7	7	7	5	7	4	7	0	7	7	7	7	7	5	7	7	7	7	7
Minimum	0.005	0.0114	0.0819	0.219	3.1	3.10	0.0155	0.0155	100	200	0.206	0.211	0.000169	NA	0.0582	0.0693	0.0310	0.100	94.5	121	0.05	0.05	4300	0.0031	0.0031
Maximum	0.025	0.025	0.9	0.8	10	20	0.05	0.25	300	400	0.281	0.25	0.00250	NA	0.25	0.25	0.7	0.3	150	150	0.155	0.155	4930	0.025	0.025
% of values undetected	100%	43%	29%	50%	100%	43%	100%	71%	14%	0%	43%	75%	100%		43%	43%	71%	57%	43%	60%	100%	100%	0%	100%	86%
# of values between MDL and PQL	0	4	2	1	0	4	0	2	2	3	0	0	0		0	0	2	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.532	0.511	1000	1000	0.045	0.057	NA	NA	NA	NA	0.012	0.012	NA	NA	3.06	3.05	NA	NA	5	4.6	NA	0.012711506	0.011
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	14%	25%	0%	0%	43%	14%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	43%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1005										
Sample Date										
07/20/05	2970	2990	**0.0031**	**0.0031**	**0.031**	**0.031**	0.744	0.618	10.2	3.18
08/23/05										
10/05/05	2580	2320	**0.0031**	**0.0031**	**0.031**	**0.031**	0.781	**0.1**	3.02	**1.1**
06/29/06	2730	2850	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.490**	**0.362**	0.818	1.20
08/28/06	2850	2910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.865**	1.53
10/05/06	2860	2830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	14.3	2.02
03/25/07	2790	2900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.422**	**0.155**	1.17	
05/25/07	2660	2980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
08/03/07	2700	2900	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
09/07/07	2900	2900	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.4**	**1**	**1**
10/25/07	2800	3100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**5**
Mean	2780	2870	0.0179	0.0179	0.0430	0.0430	0.420	0.330	3.39	2.0
Median	2800	2900	0.00500	0.00500	0.0500	0.0500	0.460	0.310	1.00	1.4
St. Deviation	120	210	0.0222	0.0222	0.0120	0.0120	0.230	0.170	4.82	1.4
# of values	10	10	10	10	10	10	10	10	10	8
Minimum	2580	2320	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	1
Maximum	2970	3100	0.05	0.05	0.05	0.05	0.781	0.618	14.3	5
% of values undetected	0%	0%	100%	100%	100%	100%	50%	60%	40%	38%
# of values between MDL and PQL	0	0	0	0	0	0	3	3	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	48.09	47.41
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP101										
Sample Date										
08/07/07	**1400**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/04/07	**1500**	**1600**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.3**	**1**	**5**
10/27/07	**1700**	**1600**	**0.25**	**0.25**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
06/02/08	1490	1610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.551**	
08/02/08	1530	1690	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.12	
09/17/08	1440	1660	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/03/08	1570	1690	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.45	1.56
Mean	1520	1620	0.0529	0.0529	0.0500	0.0500	0.246	0.160	0.900	2.10
Median	1500	1610	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.00	1.30
St. Deviation	100	70	0.0895	0.0895	0	0	0.175	0.0670	0.300	1.90
# of values	7	7	7	7	7	7	7	7	7	4
Minimum	1400	1500	0.0050	0.005	0.050	0.050	0.1	0.1	0.50	1
Maximum	1700	1690	0.25	0.25	0.05	0.05	0.5	0.3	1.45	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	86%	57%	75%
# of values between MDL and PQL	3	3	0	0	0	0	0	1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	7.00	6.90
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP102																					
Sample Date																					
08/07/07	6.62	2.49	13.36	98	27	218.4	0.08	11	32	30	**10**	**1**	**11**	0.24			**0.02**		**1.1**	**0.05**	**1.0**
09/05/07	6.32	2.88	10.46	77.5	30	146.9	0.09	12	30	40	**2.5**	**1**	**11**	0.28			**0.02**		**1.1**	**0.05**	**1.0**
10/28/07	6.38	3.02	10.74	79.9	28	125.8	0.12	11	30	50	**2.5**	**1**	**11**	0.15			**0.02**		**0.9**	**0.05**	**0.7**
Mean	6.44	0	11.52	85.1	28	163.7	0.1	11	31	40	5.0	1	11	0.22	NA	NA	0.02	NA	1.0	0.05	0.9
Median	6.38	2.88	10.74	79.9	28	146.9	0.090	11	30	40	2.5	1	11	0.24	NA	NA	0.02	NA	1.1	0.05	1
St. Deviation	0.16	0	1.600	11.2	2.0	48.50	0	1	1	10	4.3	0	0	0.07	NA	NA	0	NA	0.1	0	0.2
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.32	2.49	10.46	77.5	27	125.8	0.08	11	30	30	2.5	1	11	0.15	NA	NA	0.02	NA	0.9	0.05	0.7
Maximum	6.62	3.02	13.36	98	30	218.4	0.12	12	32	50	10	1	11	0.28	NA	NA	0.02	NA	1.1	0.05	1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			0%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	3	0			3		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP103																					
Sample Date																					
08/08/07	6.93	3.33	10.24	76.6	28	182.2	0.13	11	32	**10**	**2.5**	**1**	**12**	0.10			**0.02**		**1.1**	**0.05**	**0.9**
09/05/07	6.24	3.58	9.71	73.3	28	176.7	0.1	13	31	30	**2.5**	**1**	**12**	0.10			**0.005**		**1.1**	**0.05**	**0.9**
10/28/07	6.04	2.46	9.94	72.8	30	123.1	0.11	10	32	30	**2.5**	**1**	**10**	0.11			**0.02**		**1.0**	**0.05**	**0.6**
Mean	6.4	0	9.960	74.2	29	160.7	0	11	32	23	2.5	1	11	0.10	NA	NA	0.015	NA	1.1	0.05	0.8
Median	6.24	3.33	9.940	73.3	28	176.7	0.11	11	32	30	2.5	1	12	0.10	NA	NA	0.02	NA	1.1	0.05	0.9
St. Deviation	0.47	0	0.2700	2.10	1.0	32.60	0.000	2	1	12	0	0	1	0.01	NA	NA	0.009	NA	0.1	0	0.17
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.04	2.46	9.71	72.8	28	123.1	0.1	10	31	10	2.5	1	10	0.10	NA	NA	0.005	NA	1	0.05	0.6
Maximum	6.93	3.58	10.24	76.6	30	182.2	0.13	13	32	30	2.5	1	12	0.11	NA	NA	0.02	NA	1.1	0.05	0.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	33%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	0	0	2	0			2		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP102																									
Sample Date																									
08/07/07	**0.0025**	**0.0025**			**0.025**	11.0	5.0	**0.2**	**0.2**	**0.25**	**0.25**	1.0		**0.05**	**0.05**	**20**	**20**	1.40	1.90	**0.05**	**0.05**	3100	3400	0.900	0.600
09/05/07	**0.0025**	**0.0025**			**0.025**	13.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	0.9	1.00	**0.05**	**0.05**	**20**	**20**	2.20	1.50	**0.05**	**0.05**	3000	3500	**0.05**	0.600
10/28/07	**0.0025**	**0.0025**			**0.025**	**5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.2	1.90	**0.05**	**0.05**	**20**	**20**	1.90	1.50	**0.05**	**0.05**	2800	3400	0.700	**0.25**
Mean	0.0025	0.0025	NA	NA	0.025	9.70	3.3	0.2	0.2	0.25	0.25	1.4	1.45	0.05	0.05	20	20	1.83	1.63	0.05	0.05	3000	3400	0.550	0.483
Median	0.0025	0.0025	NA	NA	0.025	11.0	2.5	0.2	0.2	0.25	0.25	1.0	1.45	0.05	0.05	20	20	1.90	1.50	0.05	0.05	3000	3400	0.700	0.600
St. Deviation	0	0	NA	NA	0	4.20	1.4	0	0	0	0	0.7	0.64	0	0	0	0	0.40	0.23	0	0	200	100	0.444	0.202
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	5	2.5	0.2	0.2	0.25	0.25	0.9	1.00	0.05	0.05	20	20	1.40	1.50	0.05	0.05	2800	3400	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.025	13.0	5.0	0.2	0.2	0.25	0.25	2.2	1.90	0.05	0.05	20	20	2.20	1.90	0.05	0.05	3100	3500	0.900	0.600
% of values undetected	100%	100%			100%	33%	67%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	33%	33%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.80	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.053	0.053	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP103																									
Sample Date																									
08/08/07	**0.0025**	**0.0025**			**0.025**	6.00	7.0	**0.2**	**0.2**	**0.25**	**0.25**	1.5		**0.05**	**0.05**	**20**	**20**	1.10	1.60	**0.05**	**0.05**	3000	3300	**0.3**	0.50
09/05/07	**0.0025**	**0.0025**			**0.025**	8.00	**2.5**	**0.2**	**0.2**	**0.5**	**0.25**	1.4	1.90	**0.05**	**0.05**	**20**	**20**	2.10	1.40	**0.05**	**0.05**	3000	3600	**0.05**	**0.25**
10/28/07	**0.0025**	**0.0025**			**0.025**	**15**	**5**	**0.2**	**0.2**	**0.25**	**0.25**	2.8	2.10	**0.05**	**0.05**	**20**	**20**	1.70	**1**	**0.05**	**0.05**	3000	3000	0.600	**0.25**
Mean	0.0025	0.0025	NA	NA	0.025	9.67	4.8	0.2	0.2	0.33	0.25	1.9	2.00	0.05	0.05	20	20	1.63	1.33	0.05	0.05	3000	3300	0.317	0.33
Median	0.0025	0.0025	NA	NA	0.025	8.00	5.0	0.2	0.2	0.25	0.25	1.5	2.00	0.05	0.05	20	20	1.70	1.40	0.05	0.05	3000	3300	0.3	0.25
St. Deviation	0	0	NA	NA	0	4.73	2.3	0	0	0.14	0	0.8	0.14	0	0	0	0	0.50	0.31	0	0	0	300	0.275	0.14
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	6	2.5	0.2	0.2	0.25	0.25	1.4	1.90	0.05	0.05	20	20	1.10	1	0.05	0.05	3000	3000	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.025	15	7.0	0.2	0.2	0.5	0.25	2.8	2.10	0.05	0.05	20	20	2.10	1.60	0.05	0.05	3000	3600	0.600	0.50
% of values undetected	100%	100%			100%	33%	67%	100%	100%	67%	100%	0%	0%	100%	100%	100%	100%	0%	33%	100%	100%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.93	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.050	0.050	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP102																									
Sample Date																									
08/07/07	**0.025**	**0.025**	**0.6**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**700**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5900	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**800**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	6500	**0.025**	**0.025**
10/28/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	**500**	**700**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.05**	6100	**0.05**	**0.025**
Mean	0.025	0.025	0.37	0.25	10	10.0	0.0500	0.117	630	730	0.250	0.250	0.000169	NA	0.250	0.250	0.300	0.300	430	230	0.0500	0.0500	6200	0.033	0.025
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	700	700	0.250	0.250	0.000169	NA	0.250	0.250	0.300	0.300	150	150	0.0500	0.0500	6100	0.025	0.025
St. Deviation	0	0	0.2	0	0	0.0	0	0.115	120	60	0	0	0	NA	0	0	0	0	490	140	0	0	300	0.014	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	500	700	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	5900	0.025	0.025
Maximum	0.025	0.025	0.6	0.25	10	10	0.05	0.25	700	800	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	1000	400	0.05	0.05	6500	0.05	0.025
% of values undetected	100%	100%	67%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	100%	100%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	1	0	0	0	0	0	3	3	0	0	0		0	0	0	0	0	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.415	1.358	1000	1000	0.192	0.213	NA	NA	NA	NA	0.012	0.012	NA	NA	8.06	8.04	NA	NA	5	4.6	NA	0.091116157	0.077
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP103																									
Sample Date																									
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**700**	**0.6**	**0.6**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.7**	**1000**	**150**	**0.05**	**0.05**	6000	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**30**	**0.05**	**0.05**	**700**	**900**	**0.7**	**0.6**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**400**	**0.05**	**0.05**	6600	**0.025**	**0.025**
10/28/07	**0.025**	**0.025**	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.25**	**600**	**700**	**0.7**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**600**	**0.05**	**0.05**	6300	**0.15**	**0.05**
Mean	0.025	0.025	0.25	0.33	15	17.0	0.0500	0.117	670	770	0.670	0.480	0.000946	NA	0.250	0.250	0.300	0.430	630	380	0.0500	0.0500	6300	0.067	0.033
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	700	700	0.7000	0.600	0.000169	NA	0.250	0.250	0.300	0.300	500	400	0.0500	0.0500	6300	0.025	0.025
St. Deviation	0	0	0	0.14	9	12.0	0	0.115	60	120	0.0600	0.200	0.00135	NA	0	0	0	0.230	320	230	0	0	300	0.072	0.014
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	600	700	0.6	0.25	0.000169	NA	0.25	0.25	0.3	0.3	400	150	0.05	0.05	6000	0.025	0.025
Maximum	0.025	0.025	0.25	0.5	25	30	0.05	0.25	700	900	0.7	0.6	0.00250	NA	0.25	0.25	0.3	0.7	1000	600	0.05	0.05	6600	0.15	0.05
% of values undetected	100%	100%	100%	67%	100%	67%	100%	100%	0%	0%	0%	33%	100%		100%	100%	100%	67%	33%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	1	0	1	0	0	3	3	3	2	0		0	0	0	1	2	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.315	1.263	1000	1000	0.172	0.193	NA	NA	NA	NA	0.012	0.012	NA	NA	7.50	7.48	NA	NA	5	4.6	NA	0.078674273	0.067
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP102										
Sample Date										
08/07/07	2100	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
09/05/07	2000	2200	**0.05**	**0.05**	**0.05**	**0.05**	**0.2**	**0.2**	**5**	**1**
10/28/07	2000	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	2000	2100	0.0500	0.0500	0.0500	0.0500	0.270	0.270	2.30	1.00
Median	2000	2100	0.0500	0.0500	0.0500	0.0500	0.200	0.200	1.00	1.00
St. Deviation	100	100	0	0	0	0	0.210	0.210	2.30	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2000	2100	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	2100	2200	0.05	0.05	0.05	0.05	0.5	0.5	5	1
% of values undetected	0%	0%	100%	100%	100%	100%	67%	67%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	18.46	18.20
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP103										
Sample Date										
08/08/07	2200	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**2**
09/05/07	2100	2300	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.3**	**1**	**5**
10/28/07	2300	2300	**0.25**	**0.25**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**5**
Mean	2200	2200	0.117	0.117	0.0500	0.0500	0.370	0.300	1.00	4.00
Median	2200	2300	0.0500	0.0500	0.0500	0.0500	0.500	0.300	1.00	5.00
St. Deviation	100	100	0.115	0.115	0	0	0.230	0.200	0	1.70
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2100	2100	0.05	0.05	0.05	0.05	0.1	0.1	1	2
Maximum	2300	2300	0.25	0.25	0.05	0.05	0.5	0.5	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	67%	100%	67%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	17.17	16.93
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP104																					
Sample Date																					
08/08/07	6.26	8.13	9.18	77.7	7	199.8	0.11	3	10.0	5	2.5	5	3	0.03			0.005		0.8	0.05	0.6
09/05/07	4.67	5.37	9.25	72.9	9	194.2	0.08	3.5	11.0	10	2.5	1	3	0.06			0.005		0.8	0.05	0.8
10/28/07	5.26	2.78	10.42	76.9	9	174.8	0.24	3.5	12.0	10	6	5	4	0.01			0.005		0.7	0.05	0.25
08/02/08	6.91	5.60	10	79.9	9	218.9	0.09	2.1	7.08	5	0.1515	4.84	1.55	0.0525			0.0050		0.538	0.0155	0.24
09/16/08	5.28	5.22	10.28	81	9	260.3	0.12	2.6	8.86	17.5	0.150	1.57	3.34	0.031			0.00155		0.533	0.0155	0.31
Mean	5.68	5	9.800	77.7	8.6	209.6	0.1	2.9	10.0	10	2.3	3.5	3	0.037	NA	NA	0.004	NA	0.67	0.04	0.44
Median	5.28	5.37	10.00	77.7	9.0	199.8	0.11	3	10.0	10	2.5	4.84	3	0.031	NA	NA	0.005	NA	0.7	0.05	0.31
St. Deviation	0.9	2	0.6000	3.10	0.90	32.40	0.100	0.6	2	5	2.4	2	0.9	0.02	NA	NA	0.002	NA	0.13	0.02	0.25
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	5	0	5	5	5
Minimum	4.67	2.78	9.18	72.9	7	174.8	0.08	2.1	7.08	5	0.1515	1	1.55	0.01	NA	NA	0.00155	NA	0.533	0.0155	0.24
Maximum	6.91	8.13	10.42	81	9	260.3	0.24	3.5	12	17.5	6	5	4	0.06	NA	NA	0.005	NA	0.8	0.05	0.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	40%	0%	60%	80%	80%	20%	20%			100%		0%	100%	20%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	1	1	1	4	4			0		3	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	A	0%	NA	0%	0%	0%
SP105																					
Sample Date																					
08/08/07	6.65	2.91	10.67	79	48	164.9	0.38	20	53	30	2.5	1	20	1.22			0.03		0.9	0.05	4.60
09/05/07	6.56	2.67	9.88	72.7	50	139.3	0.08	19	55	40	2.5	1	21	0.05			0.005		0.9	0.05	4.90
10/21/07	6.36	2.59	10.08	74.2	49	285.6	0.19	21	51	40	2.5	1	18	0.04			0.03		0.9	0.05	4.20
Mean	6.52	0	10.21	75.3	49	196.6	0	20	53	37	2.5	1	20	0.437	NA	NA	0.022	NA	0.9	0.05	4.57
Median	6.56	2.67	10.08	74.2	49	164.9	0.19	20	53	40	2.5	1	20	0.05	NA	NA	0.03	NA	0.9	0.05	4.60
St. Deviation	0.15	0	0.4100	3.30	1.0	78.10	0	1	2	6	0	0	2	0.678	NA	NA	0.014	NA	0	0	0.35
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.36	2.59	9.88	72.7	48	139.3	0.08	19	51	30	2.5	1	18	0.04	NA	NA	0.005	NA	0.9	0.05	4.20
Maximum	6.65	2.91	10.67	79	50	285.6	0.38	21	55	40	2.5	1	21	1.22	NA	NA	0.03	NA	0.9	0.05	4.90
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	2			2		3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP104																									
Sample Date																									
08/08/07	**0.0025**	**0.0025**			**0.025**	10.0	11.0	**0.2**	**0.2**	**0.25**	**0.25**	2.8	3.20	**0.05**	**0.05**	**20**	**20**	**0.7**	1.20	**0.05**	**0.05**	**500**	**500**	**0.05**	**0.4**
09/05/07	**0.0025**	**0.0025**			**0.025**	13.0	9.00	**0.2**	**0.2**	**0.25**	**0.25**	3.3	3.20	**0.05**	**0.05**	**20**	**20**	1.10	**0.5**	**0.05**	**0.05**	**500**	1100	**0.05**	**0.25**
10/28/07	**0.0025**	**0.0025**			**0.025**	8.00	12.0	**0.2**	**0.2**	**0.25**	**0.25**	4.1	3.80	**0.05**	**0.05**	**20**	**20**	**2.5**	1.30	**0.05**	**0.05**	**500**	1500	**0.05**	**0.25**
08/02/08	**0.00075**	**0.002**			**0.0319**	26.4	17.4	**0.0075**	**0.0292** J	**0.155**	**0.155**	2.2		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	646		**0.188**	**0.177**
09/16/08	**0.0025**	**0.00075**			**0.050**	7.81	6.66	**0.0075**	**0.0075**	**0.155**	**0.155**	2.7	3.05	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	844		0.304	0.297
Mean	0.0022	0.0021	NA	NA	0.031	13.0	11.2	0.12	0.13	0.21	0.21	3.0	3.30	0.035	0.035	12	12	1.36	1.10	0.033	0.033	600	1000	0.128	0.27
Median	0.0025	0.0025	NA	NA	0.025	10.0	11.0	0.2	0.2	0.25	0.25	2.8	3.20	0.05	0.05	20	20	1.25	1.25	0.05	0.05	500	1100	0.05	0.25
St. Deviation	0.0008	0.0008	NA	NA	0.011	7.75	4.00	0.11	0.1	0.05	0.05	0.7	0.30	0.021	0.021	11	11	0.68	0.34	0.023	0.023	150	500	0.115	0.08
# of values	5	5	0	0	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	3	5	5
Minimum	0.00075	0.00075	NA	NA	0.025	7.81	6.66	0.0075	0.0075	0.155	0.155	2.2	3.05	0.0125	0.0125	0.0075	0.0075	0.70	0.50	0.0075	0.0075	500	500	0.05	0.177
Maximum	0.0025	0.0025	NA	NA	0.05	26.4	17.4	0.2	0.2	0.25	0.25	4.1	3.80	0.05	0.05	20	20	2.50	1.30	0.05	0.05	844	1500	0.304	0.4
% of values undetected	100%	80%			80%	0%	0%	100%	80%	100%	100%	0%	0%	100%	100%	100%	100%	60%	60%	100%	100%	60%	33%	60%	40%
# of values between MDL and PQL	0	1			1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.08	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.016	0.017	NA	NA	3.794373677	3.263161362
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	60%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP105																									
Sample Date																									
08/08/07	**0.0025**	**0.008**			**0.025**	20.0	8.0	**0.2**	**0.2**	**0.25**	**0.25**	2.5		**0.05**	**0.05**	**20**	**20**	1.00	1.60	**0.05**	**0.05**	5600	5800	**0.2**	
09/05/07	**0.0025**	**0.0025**			**0.33**	10.0	**2.5**	**0.2**	**0.2**	**0.5**	**0.25**	2.5	3.00	**0.05**	**0.05**	**20**	**20**	1.50	1.40	**0.05**	**0.05**	5600	5400	**0.05**	**0.25**
10/21/07	**0.0025**	**0.0025**			**0.025**	25.0	**2.5**	**0.2**	**0.2**	**0.5**	**0.25**	3.7	4.00	**0.05**	**0.05**	**20**	**20**	1.60	1.60	**0.05**	**0.05**	5300	5900	0.600	0.60
Mean	0.0025	0.0043	NA	NA	0.127	18.3	4.3	0.2	0.2	0.42	0.25	2.9	3.50	0.05	0.05	20	20	1.37	1.53	0.05	0.05	5500	5700	0.283	0.43
Median	0.0025	0.0025	NA	NA	0.025	20	2.5	0.2	0.2	0.5	0.25	2.5	3.50	0.05	0.05	20	20	1.50	1.60	0.05	0.05	5600	5800	0.2	0.43
St. Deviation	0	0.0032	NA	NA	0.176	7.6	3.2	0	0	0.14	0	0.7	0.71	0	0	0	0	0.32	0.12	0	0	200	300	0.284	0.25
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2
Minimum	0.0025	0.0025	NA	NA	0.025	10.0	2.5	0.2	0.2	0.25	0.25	2.5	3.00	0.05	0.05	20	20	1.00	1.40	0.05	0.05	5300	5400	0.05	0.25
Maximum	0.0025	0.008	NA	NA	0.33	25.0	8.0	0.2	0.2	0.5	0.25	3.7	4.00	0.05	0.05	20	20	1.60	1.60	0.05	0.05	5600	5900	0.600	0.60
% of values undetected	100%	67%			67%	0%	67%	100%	100%	33%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	33%	50%
# of values between MDL and PQL	0	1			1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.76	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.079	0.078	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP104																									
Sample Date																									
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**100**	**100**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	2100	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**100**	**100**	**0.25**	**0.25**	**0.000342**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	2200	**0.025**	**0.025**
10/28/07	**0.025**	**0.025**	**0.25**	**0.8**	**10**	**10**	**0.05**	**0.05**	**100**	**200**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.5**	**0.05**	2400	**0.025**	**0.025**
08/02/08	**0.0050**	**0.0050**	**0.050**	0.15	**3.10**	**3.10**	**0.0155**		117		0.220	0.241	**0.00075**		**0.0075**	**0.0250**	**0.100**	**0.100**	**25.0**	91.5	**0.155**	**0.155**	2160	**0.0031**	**0.0031**
09/16/08	**0.0050**	**0.0112**	0.117		**3.10**	**3.10**	**0.0528**	**0.0155**	128		0.305	0.163	**0.00075**		**0.0075**	**0.024**	**0.0310**	**0.100**	69.4	101	**0.155**	**0.155**	2240	**0.0031**	**0.0031**
Mean	0.017	0.018	0.183	0.36	7	7.0	0.0440	0.0410	110	130	0.260	0.230	0.000436	NA	0.150	0.160	0.210	0.220	110	130	0.180	0.0920	2200	0.016	0.016
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	100	100	0.250	0.250	0.000342	NA	0.250	0.250	0.300	0.300	150	150	0.155	0.0500	2200	0.025	0.025
St. Deviation	0.011	0.01	0.094	0.3	4	4.0	0.0160	0.0170	10	60	0.030	0.040	0.000295	NA	0.130	0.120	0.130	0.11	60.0	30.0	0.190	0.0580	100	0.012	0.012
# of values	5	5	5	4	5	5	5	4	5	3	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.005	0.005	0.050	0.15	3.1	3.10	0.0155	0.0155	100	100	0.220	0.163	0.000169	NA	0.0075	0.024	0.0310	0.100	25	91.5	0.05	0.05	2100	0.0031	0.0031
Maximum	0.025	0.025	0.25	0.8	10	10	0.0528	0.05	128	200	0.305	0.25	0.00075	NA	0.25	0.25	0.3	0.3	150	150	0.5	0.155	2400	0.025	0.025
% of values undetected	100%	80%	80%	50%	100%	100%	80%	100%	60%	67%	60%	60%	80%		100%	80%	100%	100%	80%	60%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	1	0	1	0	0	1	0	0	1	0	0	1		0	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.359	0.344	1000	1000	0.025	0.033	NA	NA	NA	NA	0.012	0.012	NA	NA	2.07	2.07	NA	NA	5	4.6	NA	0.005755438	0.005
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	25%	0%	0%	80%	75%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP105																									
Sample Date																									
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1400	1400	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.2**	**0.2**	6900	**0.025**	**0.025**
09/05/07	**0.025**	**0.06**	**0.25**	**0.25**	**10**		**0.05**	**0.05**	1400	1300	**0.25**	**0.25**	**0.000776**		**0.25**	**0.25**	**0.3**	**1.5**	**300**	**400**	**0.05**	**0.2**	7900	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.25**	**30**	**10**	**0.25**	**0.05**	1200	1400	**0.7**	**0.25**	**0.000453**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.25**	**0.25**	7400	**0.025**	**0.025**
Mean	0.025	0.037	0.25	0.25	17	10.0	0.117	0.0500	1300	1400	0.400	0.250	0.000466	NA	0.250	0.250	0.300	0.700	480	600	0.170	0.220	7400	0.025	0.025
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	1400	1400	0.250	0.250	0.000453	NA	0.250	0.250	0.300	0.300	300	400	0.200	0.200	7400	0.025	0.025
St. Deviation	0	0.02	0	0	12	0.0	0.115	0	100	100	0.260	0	0.000304	NA	0	0	0	0.690	450	350	0.100	0.0300	500	0	0
# of values	3	3	3	3	3	2	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1200	1300	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	400	0.05	0.2	6900	0.025	0.025
Maximum	0.025	0.06	0.25	0.25	30	10	0.25	0.05	1400	1400	0.7	0.25	0.000776	NA	0.25	0.25	0.3	1.5	1000	1000	0.25	0.25	7900	0.025	0.025
% of values undetected	100%	67%	100%	100%	67%	100%	100%	100%	0%	0%	67%	100%	33%		100%	100%	100%	100%	67%	33%	67%	33%	0%	100%	100%
# of values between MDL and PQL	0	1	0	0	1	0	0	0	0	0	1	0	2		0	0	0	0	1	2	1	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.267	2.176	1000	1000	0.387	0.399	NA	NA	NA	NA	0.012	0.012	NA	NA	12.86	12.82	NA	NA	5	4.6	NA	0.235384234	0.200
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP104										
Sample Date										
08/08/07	800	1000	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/05/07	900	900	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
10/28/07	800	1000	**0.05**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
08/02/08	807	901	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.34
09/16/08	883	908	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.21	1.07
Mean	840	940	0.0320	0.0720	0.0500	0.0500	0.120	0.120	0.900	1.90
Median	807	908	0.0500	0.0500	0.0500	0.0500	0.100	0.100	1.00	1.07
St. Deviation	50	50	0.0250	0.102	0	0	0.0300	0.0300	0.300	1.70
# of values	5	5	5	5	5	5	5	5	5	5
Minimum	800	900	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	1
Maximum	900	1000	0.05	0.25	0.05	0.05	0.155	0.155	1.21	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	80%	60%
# of values between MDL and PQL	3	3	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	4.74	4.67
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP105										
Sample Date										
08/08/07	2800	2900	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**2**
09/05/07	2800	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**5**
10/21/07	2600	2900	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	2700	2900	0.0500	0.0500	0.0500	0.0500	0.100	0.370	1.00	4.00
Median	2800	2900	0.0500	0.0500	0.0500	0.0500	0.100	0.500	1.00	5.00
St. Deviation	100	100	0	0	0	0	0	0.230	0	1.70
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2600	2800	0.05	0.05	0.05	0.05	0.1	0.1	1	2
Maximum	2800	2900	0.05	0.05	0.05	0.05	0.1	0.5	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	67%	100%	67%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	29.47	29.05
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP106																					
Sample Date																					
08/08/07	6.40	4.33	7.6	58.5	39	138.5	0.28	18	45	**5**	**2.5**	**1**	**18**	**0.07**			**0.02**		**0.8**	**0.05**	**2.1**
09/05/07	5.93	4.57	6.73	52.3	44	141.7	0.16	20	46	40	**2.5**	**1**	21	**0.09**			**0.005**		**0.8**	**0.05**	**2.4**
10/21/07	6.46	5.36	7.33	57.9	44	271.2	0.08	21	48	20	**2.5**	**1**	21	**0.06**			**0.02**		**0.9**	**0.05**	**2.2**
Mean	6.26	0	7.220	56.2	42	183.8	0	20	46	22	2.5	1	20	0.073	NA	NA	0.015	NA	0.83	0.05	2.2
Median	6.4	4.57	7.330	57.9	44	141.7	0.16	20	46	20	2.5	1	21	0.07	NA	NA	0.02	NA	0.8	0.05	2.2
St. Deviation	0.29	0	0.4500	3.40	3.0	75.70	0.00	2	2	18	0	0	2	0.015	NA	NA	0.009	NA	0.06	0	0.2
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	5.93	4.33	6.73	52.3	39	138.5	0.08	18	45	5	2.5	1	18	0.06	NA	NA	0.005	NA	0.8	0.05	2.1
Maximum	6.46	5.36	7.6	58.5	44	271.2	0.28	21	48	40	2.5	1	21	0.09	NA	NA	0.02	NA	0.9	0.05	2.4
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	100%	100%	0%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	3			2		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP107																					
Sample Date																					
08/08/07	6.44	2.92	10.33	76.5	35	181.2	0.17	14	37	**10**	**2.5**	**1**	**13**	**0.04**			**0.03**		**0.8**	**0.05**	**2.6**
09/05/07	6.55	2.84	9.8	72.5	36	176.8	0.07	15	38	40	**2.5**	**1**	**14**	**0.03**			**0.02**		**0.8**	**0.05**	**2.9**
10/21/07	6.39	2.87	9.65	71.5	35	274.3	0.06	15	36	30	**6**	**1**	**14**	**0.01**			**0.005**		**1.0**	**0.05**	**2.5**
Mean	6.46	0	9.930	73.5	35	210.8	0.10	15	37	27	3.7	1	14	0.027	NA	NA	0.018	NA	0.87	0.05	2.7
Median	6.44	2.87	9.800	72.5	35	181.2	0.070	15	37	30	2.5	1	14	0.03	NA	NA	0.02	NA	0.8	0.05	2.6
St. Deviation	0.08	0	0.3600	2.60	1.0	55.10	0.1	1	1	15	2	0	1	0.015	NA	NA	0.013	NA	0.12	0	0.2
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.39	2.84	9.65	71.5	35	176.8	0.06	14	36	10	2.5	1	13	0.01	NA	NA	0.005	NA	0.8	0.05	2.5
Maximum	6.55	2.92	10.33	76.5	36	274.3	0.17	15	38	40	6	1	14	0.04	NA	NA	0.03	NA	1	0.05	2.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	0%	33%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	1	0	3	2			2		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP106																									
Sample Date																									
08/08/07	**0.0025**	**0.0025**			**0.025**	5.00	5.0	**0.2**	**0.2**	**0.25**	**0.25**	1.8		**0.05**	**0.05**	**20**	**20**	1.30	1.60	**0.05**	**0.05**	5600	5700	**0.3**	0.700
09/05/07	**0.0025**	**0.0025**			**0.025**	10.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.2	2.70	**0.05**	**0.05**	**20**	**20**	2.40	1.60	**0.05**	**0.05**	5600	6200	**0.05**	**0.25**
10/21/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.7**	**0.25**	3.3	3.80	**0.05**	**0.05**	**20**	**20**	2.10	1.80	**0.05**	**0.05**	5800	6300	**0.25**	0.600
Mean	0.0025	0.0025	NA	NA	0.025	5.83	3.3	0.2	0.2	0.4	0.25	2.4	3.25	0.05	0.05	20	20	1.93	1.67	0.05	0.05	5700	6100	0.2	0.517
Median	0.0025	0.0025	NA	NA	0.025	5.00	2.5	0.2	0.2	0.25	0.25	2.2	3.25	0.05	0.05	20	20	2.10	1.60	0.05	0.05	5600	6200	0.25	0.600
St. Deviation	0	0	NA	NA	0	3.82	1.4	0	0	0.26	0	0.8	0.78	0	0	0	0	0.57	0.12	0	0	100	300	0.13	0.236
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	0.25	0.25	1.8	2.70	0.05	0.05	20	20	1.30	1.60	0.05	0.05	5600	5700	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.025	10.0	5.0	0.2	0.2	0.7	0.25	3.3	3.80	0.05	0.05	20	20	2.40	1.80	0.05	0.05	5800	6300	0.3	0.700
% of values undetected	100%	100%			100%	33%	67%	100%	100%	67%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	67%	33%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.96	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.077	0.075	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP107																									
Sample Date																									
08/08/07	**0.0025**	**0.0025**			**0.025**	8.00	10	**0.2**	**0.2**	**0.25**	**0.25**	1.6		**0.05**	**0.05**	**20**	**20**	1.10	1.70	**0.05**	**0.05**	4000	4200	**0.3**	0.700
09/05/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.7	1.80	**0.05**	**0.05**	**20**	**20**	1.70	1.50	**0.05**	**0.05**	4000	4600	**0.05**	0.600
10/21/07	**0.0025**	**0.0025**			**0.025**	8.00	7.0	**0.2**	**0.2**	**0.8**	**0.25**	1.6		**0.05**	**0.05**	**20**	**20**	1.60	1.90	**0.05**	**0.05**	3900	4500	0.900	0.600
Mean	0.0025	0.0025	NA	NA	0.025	6.17	6.5	0.2	0.2	0.43	0.25	1.6	1.80	0.05	0.05	20	20	1.47	1.70	0.05	0.05	4000	4400	0.417	0.633
Median	0.0025	0.0025	NA	NA	0.025	8.00	7.0	0.2	0.2	0.25	0.25	1.6	1.80	0.05	0.05	20	20	1.60	1.70	0.05	0.05	4000	4500	0.3	0.600
St. Deviation	0	0	NA	NA	0	3.18	3.8	0	0	0.32	0	0.1	NA	0	0	0	0	0.32	0.20	0	0	100	200	0.437	0.058
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	0.25	0.25	1.6	1.80	0.05	0.05	20	20	1.10	1.50	0.05	0.05	3900	4200	0.05	0.6
Maximum	0.0025	0.0025	NA	NA	0.025	8.00	10	0.2	0.2	0.8	0.25	1.7	1.80	0.05	0.05	20	20	1.70	1.90	0.05	0.05	4000	4600	0.9	0.7
% of values undetected	100%	100%			100%	33%	33%	100%	100%	67%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	33%	0%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.75	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.063	0.063	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP106																									
Sample Date																									
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1000	1000	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	4900	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**20**	**20**	**0.05**	**0.05**	1000	1200	**0.25**	**0.25**	**0.000450**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**400**	**0.05**	**0.05**	2400	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	3.6	**0.25**	**10**	**10**	**0.25**	**0.05**	1000	1200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.05**	5700	**0.025**	**0.025**
Mean	0.025	0.025	1.37	0.25	13	13.0	0.117	0.0500	1000	1100	0.250	0.250	0.000263	NA	0.250	0.250	0.300	0.300	520	520	0.117	0.0500	4300	0.025	0.025
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	1000	1200	0.250	0.250	0.000169	NA	0.250	0.250	0.300	0.300	400	400	0.0500	0.0500	4900	0.025	0.025
St. Deviation	0	0	1.93	0	6	6.0	0.115	0	0	100	0	0	0.000162	NA	0	0	0	0	440	440	0.115	0	1700	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1000	1000	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	2400	0.025	0.025
Maximum	0.025	0.025	3.6	0.25	20	20	0.25	0.05	1000	1200	0.25	0.25	0.000450	NA	0.25	0.25	0.3	0.3	1000	1000	0.25	0.05	5700	0.025	0.025
% of values undetected	100%	100%	67%	100%	67%	67%	100%	100%	0%	0%	100%	100%	67%		100%	100%	100%	100%	67%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	1	1	0	0	0	0	0	0	1		0	0	0	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.176	2.088	1000	1000	0.364	0.378	NA	NA	NA	NA	0.012	0.012	NA	NA	12.34	12.30	NA	NA	5	4.6	NA	0.216632078	0.184
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP107																									
Sample Date																									
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	**800**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.1**	**0.1**	5600	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**40**	**0.05**	**0.05**	**800**	**900**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**400**	**0.05**	**0.05**	6400	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**900**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.8**	**400**	**150**	**0.05**	**0.05**	5400	**0.025**	**0.025**
Mean	0.025	0.025	0.25	0.25	10	20.0	0.0500	0.0500	770	870	0.250	0.250	0.000946	NA	0.250	0.250	0.300	0.470	570	230	0.0670	0.0670	5800	0.025	0.025
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	800	900	0.250	0.250	0.000169	NA	0.250	0.250	0.300	0.300	400	150	0.0500	0.0500	5600	0.025	0.025
St. Deviation	0	0	0	0	0	17.0	0	0	60	60	0	0	0.00135	NA	0	0	0	0.290	380	140	0.0290	0.0290	500	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	700	800	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	300	150	0.05	0.05	5400	0.025	0.025
Maximum	0.025	0.025	0.25	0.25	10	40	0.05	0.05	800	900	0.25	0.25	0.00250	NA	0.25	0.25	0.3	0.8	1000	400	0.1	0.1	6400	0.025	0.025
% of values undetected	100%	100%	100%	100%	100%	67%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	67%	33%	67%	67%	67%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	1	0	0	3	3	0	0	0		0	0	0	1	2	1	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.749	1.679	1000	1000	0.263	0.283	NA	NA	NA	NA	0.012	0.012	NA	NA	9.94	9.92	NA	NA	5	4.6	NA	0.139655117	0.119
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP106										
Sample Date										
08/08/07	2000	2000	**0.2**	**0.2**	**0.05**	**0.05**	**0.2**	**0.1**	**1**	**2**
09/05/07	2200	2100	0.700	0.700	**0.05**	**0.05**	**0.4**	**0.4**	**5**	**1**
10/21/07	**1800**	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
Mean	2000	2100	0.320	0.320	0.0500	0.0500	0.230	0.330	2.30	1.30
Median	2000	2100	0.200	0.200	0.0500	0.0500	0.200	0.400	1.00	1.00
St. Deviation	200	100	0.340	0.340	0	0	0.150	0.210	2.30	0.600
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1800	2000	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	2200	2100	0.700	0.700	0.05	0.05	0.4	0.5	5	2
% of values undetected	0%	0%	33%	33%	100%	100%	33%	67%	100%	67%
# of values between MDL and PQL	1	0	1	1	0	0	2	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	28.29	27.89
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP107										
Sample Date										
08/08/07	2100	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
09/05/07	2000	2200	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.4**	**1**	**5**
10/21/07	2000	2200	**0.05**	**0.05**	**0.25**	**0.05**	**0.1**	**0.5**	**1**	**1**
Mean	2000	2200	0.117	0.117	0.117	0.0500	0.100	0.470	1.00	2.30
Median	2000	2200	0.0500	0.05	0.0500	0.0500	0.100	0.500	1.00	1.00
St. Deviation	100	100	0.115	0.115	0.115	0	0	0.0600	0	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2000	2100	0.05	0.05	0.05	0.05	0.1	0.4	1	1
Maximum	2100	2200	0.25	0.25	0.25	0.05	0.1	0.5	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	67%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	22.79	22.47
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP108																					
Sample Date																					
08/08/07	6.97	3.88	9.74	74.3	87	110	0.27	44.0	95.0	40.0	**2.5**	**1**	44.0	0.350			**0.005**		**1.0**	**0.05**	**2.4**
09/08/07	6.99	4.78	8.2	63.9	46	160.7	0.19	43.0	89.0	50.0	**2.5**	**1**	41.0	0.310			**0.005**		**1.0**	**0.05**	**2.5**
10/26/07	6.89	3.47	6.73	50.7	81	163.5	0.15	37.0	81.0	70.0	**2.5**	**1**	36.0	0.390			**0.005**		**0.9**	**0.05**	**1.3**
06/02/08	7.97	4.17	10.84	83.4	86	201.3	0.19	38.4	81.4	48.8	3.45	**1.57**	38.1	0.783			0.0102		0.808	**0.033**	1.75
08/03/08	5.83	6.54	8.66	70.6	77	240.1	0.13	33.1	47.6	46.3	**0.1545**	**1.57**	37.8	0.397			0.0221		0.565	**0.039**	1.26
09/16/08	7.15	5.00	9.41	74.8	87	222.8	0.12	40.0	90.3	56.3	**0.638**	**1.57**	43.0	0.401			**0.0078**		0.665	**0.041**	1.95
11/03/08	6.98		9.82	71.4	87	197.8	0.19	39.7	93.4	55.0	**0.426**	**1.57**	40.8	0.479			**0.0053**		0.763	**0.046**	2.15
Mean	6.97	0	9.060	69.9	79	185.2	0	39	82.5	52.0	1.74	1.33	40.0	0.444	NA	NA	0.009	NA	0.814	0.044	1.90
Median	6.98	0	9.410	71.4	86	197.8	0.19	39.7	89	50.0	2.50	1.57	40.8	0.397	NA	NA	0.0053	NA	0.808	0.046	1.95
St. Deviation	0.62	0	1.330	10.3	15	43.90	0.000	4	16.3	9.0	1.30	0.3	3.0	0.158	NA	NA	0.006	NA	0.165	0.007	0.49
# of values	7	6	7	7	7	7	7	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	5.83	3.47	6.73	50.7	46	110	0.12	33.1	47.6	40.0	0.1545	1	36.0	0.310	NA	NA	0.005	NA	0.565	0.033	1.26
Maximum	7.97	6.54	10.84	83.4	87	240.1	0.27	44	95	70.0	3.45	1.57	44.0	0.783	NA	NA	0.0221	NA	1.0	0.05	2.5
Lowest fifth percentile	6	4	7	55	55	125	0	34	58	42	0	1	37	0	NA	NA	0	NA	1	0	1
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	0	0			2		3	4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	14%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP109																					
Sample Date																					
08/09/07	7.25	3.98	8.9	68	62	150.1	1.09	32.0	75.0	40.0	**2.5**	**1**	32.0	0.190			**0.005**		**1.0**	**0.05**	**2.3**
09/07/07	6.70	3.81	9.43	71.7	67	181.7	0.08	33.0	69.0	30.0	**2.5**	**1**	32.0	0.190			**0.02**		**1.0**	**0.05**	**2.3**
10/24/07	6.86	3.28	6.95	52.2	68	188.7	0.07	30.0	72.0	40.0	**2.5**	**1**	33.0	0.190			**0.01**		**0.8**	**0.05**	**1.6**
06/03/08	7.78	3.52	9.66	72.8	66	191.7	0.18	30.0	71.0	22.5	**0.300**	**1.57**	33.5	0.218			**0.0093**		0.692	**0.042**	2.00
08/01/08	7.08	4.22	10.67	81.8	68	164.2	0.07	28.6	42.7	51.3	1.0	**1.57**	33.4	0.180			0.0134		0.651	**0.055**	1.58
09/17/08	6.64	3.47	10.78	81.1	68	222	0.1	29.7	70.0	42.5	**0.080**	**1.57**	33.3	0.222			0.0113		0.631	**0.039**	1.48
11/02/08	6.65	2.81	9.85	72.9	68	244.6	0.08	30.8	72.3	37.5	**0.150**	**4.48**	32.8	0.189			0.0125		0.614	**0.047**	1.61
Mean	6.99	0	9.460	71.5	67	191.9	0.20	31	67.0	37.7	1.3	1.74	32.9	0.200	NA	NA	0.012	NA	0.770	0.05	1.80
Median	6.86	3.52	9.660	72.8	68	188.7	0.080	30	71.0	40.0	1.0	1.57	33.0	0.190	NA	NA	0.0113	NA	0.692	0.05	1.61
St. Deviation	0.42	0	1.290	9.90	2.0	32.40	0.40	1	11	9.2	1.2	1.24	0.6	0.020	NA	NA	0.005	NA	0.169	0.01	0.40
# of values	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	6.64	2.81	6.95	52.2	62	150.1	0.07	28.6	42.7	22.5	0.08	1	32.0	0.180	NA	NA	0.005	NA	0.614	0.039	1.48
Maximum	7.78	4.22	10.78	81.8	68	244.6	1.09	33	75	51.3	2.5	4.48	33.5	0.222	NA	NA	0.02	NA	1	0.055	2.3
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	86%	0%	0%			14%		0%	43%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	0	0			3		3	4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP108																									
Sample Date																									
08/08/07	**0.0025**	**0.0025**			**0.025**	12.0	8.00	**0.2**	**0.2**	1.00	**0.25**	6.90	7.80	**0.05**	**0.05**	**20**	**20**	1.00	1.80	**0.05**	**0.05**	13700	13500	0.5	0.700
09/08/07	**0.0025**	**0.0025**			**0.025**	32.0	**2.5**	**0.2**	**0.2**	**0.9**	**0.7**	6.70	7.70	**0.05**	**0.05**	**20**	**20**	1.90	2.10	**0.05**	**0.05**	13100	13000	**0.05**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	30.0	**2.5**	**0.2**	**0.2**	1.00	**0.7**	7.40	7.30	**0.05**	**0.05**	**20**	**20**	1.80	1.80	**0.05**	**0.05**	11800	11400	0.700	**0.25**
06/02/08	**0.00075**	**0.0022**			0.299	87.9	2.77	**0.0075**	**0.0075**	1.07	0.89	6.77	6.20	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11400	10900	0.392	0.486
08/03/08	**0.00075**	**0.00075**			**0.050**	4.24	2.22	**0.0075**	**0.0266** J	0.99	1.07	6.24		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9910	11300	0.335	0.510
09/16/08	**0.00075**	**0.00075**			**0.050**	10.7	2.07	**0.0199**	**0.0466** J	0.82	0.95	6.66	7.56	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**3.04**	**0.0075**	**0.0075**	12000	12300	0.483	0.516
11/03/08	**0.00075**	**0.00075**			**0.050**	18.7	13.1	0.0697	**0.0258** J	1.03	0.90	6.96	6.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12100	11900	0.434	0.450
Mean	0.0015	0.0017	NA	NA	0.075	27.9	4.74	0.101	0.101	0.97	0.78	6.80	7.20	0.0286	0.0286	8.5757	8.5757	1.39	1.78	0.0257	0.0257	12000	12000	0.413	0.452
Median	0.00075	0.0022	NA	NA	0.05	18.7	2.5	0.0697	0.0466	1.00	0.89	6.77	7.40	0.0125	0.0125	0.0075	0.0075	1.25	1.80	0.0075	0.0075	12000	11900	0.434	0.486
St. Deviation	0.00094	0.0009	NA	NA	0.1	28.3	4.24	0.095	0.093	0.09	0.27	0.35	0.60	0.02	0.02	10.6864	10.6864	0.33	0.65	0.0227	0.0227	1200	900	0.197	0.159
# of values	7	7	0	0	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7
Minimum	0.00075	0.00075	NA	NA	0.025	4.24	2.07	0.0075	0.0075	0.82	0.25	6.24	6.20	0.0125	0.0125	0.0075	0.0075	1.00	1.25	0.0075	0.0075	9910	10900	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.299	87.9	13.1	0.2	0.2	1.07	1.07	7.40	7.80	0.05	0.05	20	20	1.90	3.04	0.05	0.05	13700	13500	0.700	0.700
Lowest fifth percentile	0	0	NA	NA	0	6	2	0	0	1	0	6	6	0	0	0	0	1	1	0	0	10357	11020	0	0
# of values between MDL and PQL	0	1			0	0	0	1	3	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.89	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.122	0.117	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP109																									
Sample Date																									
08/09/07	**0.0025**	**0.0025**			**0.025**	**0.5**	**4**	**0.2**	**0.2**	2.30	2.40	3.10		**0.05**	**0.05**	**20**	**40**	2.40	2.20	**0.05**	**0.05**	10100	10500	**0.05**	0.500
09/07/07	**0.0025**	**0.0025**			**0.025**	6.00	**2.5**	**0.2**	**0.2**	1.80	2.00	3.50	3.00	**0.05**	**0.05**	**20**	**20**	2.20	1.40	**0.05**	**0.05**	10300	10900	**0.25**	**0.25**
10/24/07	**0.015**	**0.0025**			**0.025**	**2.5**	6.0	**0.2**	**0.2**	1.80	2.00	4.40	5.10	**0.05**	**0.05**	**20**	**20**	2.20	1.60	**0.05**	**0.05**	9900	10000	0.600	**0.25**
06/03/08	**0.0025**	**0.00075**			0.149	2.07	**1.45**	**0.0362**	**0.0328** J	2.10	2.09	3.02	3.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9640	9410	0.296	0.339
08/01/08	**0.00075**	**0.00075**			**0.0155**	**1.00**	**1.00**	0.0641	0.0609	1.83	1.93	3.37	3.31	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9470	9460	0.566	0.315
09/17/08	**0.00075**	**0.00075**			**0.050**	**1.00**	**1.00**	0.0955	0.0581	1.86	1.71	3.54	3.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9880	9730	0.324	0.356
11/02/08	**0.00075**	**0.00075**			**0.050**	3.95	**1.23**	0.101	0.0936	2.02	1.84	3.48	3.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10100	9500	0.285	0.272
Mean	0.0035	0.0015	NA	NA	0.049	2.43	2.5	0.128	0.1208	1.96	2.00	3.49	3.54	0.0286	0.0286	8.5757	11.4329	1.69	1.46	0.0257	0.0257	9910	9930	0.339	0.326
Median	0.0025	0.00075	NA	NA	0.025	2.07	1.45	0.101	0.0936	1.86	2.00	3.48	3.29	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9900	9730	0.296	0.315
St. Deviation	0.0051	0.00094	NA	NA	0.046	1.96	1.9	0.071	0.0762	0.19	0.22	0.45	0.78	0.02	0.02	10.6864	15.7323	0.55	0.35	0.0227	0.0227	290	580	0.190	0.087
# of values	7	7	0	0	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7
Minimum	0.00075	0.00075	NA	NA	0.0155	0.5	1.00	0.0362	0.0328	1.80	1.71	3.02	3.00	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9470	9410	0.05	0.25
Maximum	0.015	0.0025	NA	NA	0.149	6.00	6.0	0.2	0.2	2.30	2.40	4.40	5.10	0.05	0.05	20	40	2.40	2.20	0.05	0.05	10300	10900	0.600	0.500
% of values undetected	100%	100%			86%	57%	43%	43%	43%	0%	0%	0%	0%	100%	100%	100%	100%	57%	57%	100%	100%	0%	0%	29%	29%
# of values between MDL and PQL	0	0			0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.52	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.108	0.104	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP108																									
Sample Date																									
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	2600	2500	**0.7**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.1**	**0.05**	4500	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**30**	**10**	**0.05**	**0.05**	2500	2600	5.70	3.70	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**600**	**0.05**	**0.05**	4700	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**30**	**10**	**0.05**	**0.25**	2100	2100	**0.9**	**0.25**	**0.000733**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**600**	**0.05**	**0.05**	4800	**0.025**	**0.025**
06/02/08	0.0378	**0.0174**	0.121		81.1	27.6	**0.0451**	**0.0318**	2390	2360	2.40	0.459	**0.00075**		0.139	0.140	0.229		283	290	**0.155**	**0.155**	4820	**0.0031**	**0.0095**
08/03/08	**0.0171**	0.0203	0.195	0.169	36.3	24.5	**0.0155**	**0.0155**	2030	2190	0.197	0.225	**0.00075**		0.197	0.107	0.353	0.296	280		**0.155**	**0.155**	5400	**0.0031**	**0.0031**
09/16/08	**0.0162**	**0.019**	0.132		27.6	25.1	**0.0155**	**0.0155**	2440	2460	1.87	1.28	**0.00075**		0.158	0.205	0.243	0.369	313	354	**0.155**	**0.155**	5130	**0.0031**	**0.0031**
11/03/08	0.0238	0.0376	0.134		44.7	39.2	**0.0155**	**0.0155**	2330	2530	1.23	0.342	**0.00075**		0.218	0.123	0.369		315	340	**0.155**	**0.155**	5240	**0.0031**	**0.0031**
Mean	0.0243	0.024	0.190	0.23	37.1	20.9	0.0345	0.0612	2340	2390	1.90	0.929	0.000910	NA	0.209	0.190	0.299	0.310	410	390	0.117	0.110	4900	0.013	0.0134
Median	0.025	0.025	0.195	0.25	30	24.5	0.0451	0.0318	2390	2460	1.23	0.342	0.000750	NA	0.218	0.205	0.300	0.300	313	350	0.155	0.155	4820	0.0031	0.0095
St. Deviation	0.0071	0.007	0.061	0.04	22.1	11.3	0.0179	0.0847	210	190	1.80	1.28	0.000730	NA	0.0460	0.0600	0.0510	0.0300	280	180	0.0500	0.0560	300	0.012	0.0111
# of values	7	7	7	4	7	7	7	7	7	7	7	7	7	0	7	7	7	5	7	6	7	7	7	7	7
Minimum	0.0162	0.0174	0.121	0.169	10	10	0.0155	0.0155	2030	2100	0.197	0.225	0.000169	NA	0.139	0.107	0.229	0.296	150	150	0.05	0.05	4500	0.0031	0.0031
Maximum	0.0378	0.0376	0.25	0.25	81.1	39.2	0.05	0.25	2600	2600	5.70	3.70	0.00250	NA	0.25	0.25	0.369	0.369	1000	600	0.155	0.155	5400	0.025	0.025
Lowest fifth percentile	0	0	0	0	15	10	0	0	2051	2127	0	0	0	NA	0	0	0	0	189	185	0	0	4560	0	0
# of values between MDL and PQL	2	2	0	0	2	0	1	1	0	0	2	0	1		0	0	0	0	1	2	1	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.736	3.587	1000	1000	0.814	0.771	NA	NA	NA	NA	0.012	0.012	NA	NA	21.08	21.02	NA	NA	5	4.6	NA	0.643357307	0.547
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP109																									
Sample Date																									
08/09/07	**0.025**	**0.025**	**0.25**	**0.6**	**10**	**20**	**0.05**	**0.05**	1300	**1400**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**		**1000**	**300**	**0.1**	**0.05**	5000	**0.025**	**0.025**
09/07/07	**0.06**	**0.025**	**0.25**	**0.25**	**10**	**25**	**0.05**	**0.05**	1300	1300	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**400**	**500**	**0.05**	**0.05**	5300	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1200	**0.25**	**0.25**	**0.000169**		**1.5**	**0.25**	**1.8**	**0.3**	**1000**	**400**	**0.05**	**0.05**	5400	**0.025**	**0.025**
06/03/08	**0.0050**	**0.0162**	0.142		21.6	21.0	**0.0155**	**0.0155**	1450	1430	0.0530		**0.00075**		0.345	0.350	**0.193**		419	431	**0.155**	**0.155**	5270	**0.0031**	**0.0031**
08/01/08	**0.0128**	**0.0137**	**0.050**		34.7	30.3	**0.0155**	**0.0155**	1200	1200	0.105	**0.0075**	**0.00075**		0.498	0.509	0.285	0.272	346	344	**0.155**	**0.155**	5020	**0.0031**	**0.0031**
09/17/08	**0.0050**	**0.0050**	**0.0886**	0.106	26.4	22.2	**0.0155**	**0.0155**	1230	1190	0.0599	**0.0250**	**0.00075**		0.517	0.368	**0.100**	0.202	348	356	**0.155**	**0.155**	5070	**0.0031**	**0.0031**
11/02/08	**0.0143**	**0.0142**	0.128	0.122	23.9	23.5	**0.0155**	**0.0155**	1360	1270	0.0622	**0.0437**	**0.00075**		0.443	0.433	0.350	0.441	391	369	**0.155**	**0.155**	5200	**0.0031**	**0.0031**
Mean	0.021	0.018	0.166	0.266	19.5	22.0	0.0303	0.0303	1300	1300	0.150	0.140	0.000830	NA	0.722	0.520	0.480	0.303	558	386	0.117	0.110	5200	0.013	0.013
Median	0.0143	0.0162	0.142	0.25	21.6	22.2	0.0155	0.0155	1300	1270	0.105	0.150	0.000750	NA	0.498	0.368	0.300	0.300	400	369	0.155	0.155	5200	0.0031	0.0031
St. Deviation	0.019	0.008	0.084	0.199	9.8	6.0	0.0184	0.0184	100	100	0.100	0.120	0.000780	NA	0.539	0.440	0.590	0.0870	303	65.0	0.0500	0.0560	200	0.012	0.012
# of values	7	7	7	5	7	7	7	7	7	7	7	6	7	0	7	7	7	5	7	7	7	7	7	7	7
Minimum	0.005	0.005	0.050	0.106	10	10	0.0155	0.0155	1200	1190	0.0530	0.0075	0.000169	NA	0.25	0.25	0.100	0.202	346	300	0.05	0.05	5000	0.0031	0.0031
Maximum	0.06	0.025	0.25	0.6	34.7	30.3	0.05	0.05	1450	1430	0.25	0.25	0.00250	NA	1.5	1.5	1.8	0.441	1000	500	0.155	0.155	5400	0.025	0.025
% of values undetected	57%	57%	57%	40%	43%	43%	100%	100%	0%	0%	43%	83%	100%		43%	43%	43%	40%	29%	14%	86%	100%	0%	100%	100%
# of values between MDL and PQL	3	3	1	1	0	0	0	0	0	1	0	1	0		0	0	2	0	1	2	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.233	3.103	1000	1000	0.656	0.638	NA	NA	NA	NA	0.012	0.012	NA	NA	18.27	18.21	NA	NA	5	4.6	NA	0.48074999	0.409
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP108										
Sample Date										
08/08/07	2200	2200	**0.05**	**0.05**	**0.05**	**0.05**	1.10	1.30	**1**	**2**
09/08/07	2200	2300	**0.05**	**0.05**	**0.05**	**0.05**	1.10	1.10	**1**	**5**
10/26/07	2100	2100	**0.05**	**0.05**	**0.05**	**0.05**	1.40	**0.5**	**1**	**1**
06/02/08	2160	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	1.39	1.24	**0.665**	1.08
08/03/08	2110	2210	**0.0050**	**0.0050**	**0.050**	**0.050**	1.39	1.22	1.99	1.70
09/16/08	2240	2260	**0.0050**	**0.0050**	**0.050**	**0.050**	1.11	1.06	**0.50**	
11/03/08	2110	2290	**0.0050**	**0.0050**	**0.050**	**0.050**	1.26	1.28	1.01	1.24
Mean	2160	2220	0.0243	0.0243	0.0500	0.0500	1.25	1.10	1.00	2.00
Median	2160	2210	0.00500	0.00500	0.0500	0.0500	1.26	1.22	1.00	1.00
St. Deviation	60	70	0.0241	0.0241	0	0	0.150	0.280	0.500	2.00
# of values	7	7	7	7	7	7	7	7	7	6
Minimum	2100	2100	0.0050	0.0050	0.05	0.050	1.10	0.5	0.50	1
Maximum	2240	2300	0.05	0.05	0.05	0.05	1.40	1.30	1.99	5
Lowest fifth percentile	2103	2121	0	0	0	0	1	1	1	1
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	48.36	47.68
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP109										
Sample Date										
08/09/07	2500	**2700**	**0.05**	**0.1**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/07/07	2400	2500	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.7**	**1**	**1**
10/24/07	2100	2300	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
06/03/08	2630	2610	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.459**	**0.445**	**0.705**	1.34
08/01/08	2250	2260	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.583**	**0.618**	1.25	**0.155**
09/17/08	2320	2250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.483**	**0.556**	**0.50**	
11/02/08	2550	2370	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.645**	**0.615**	**0.796**	**0.50**
Mean	2390	2430	0.0243	0.0314	0.0500	0.0500	0.467	0.505	0.900	0.800
Median	2400	2370	0.00500	0.005000	0.0500	0.0500	0.500	0.556	1.00	1.00
St. Deviation	180	180	0.0241	0.0369	0	0	0.174	0.197	0.200	0.400
# of values	7	7	7	7	7	7	7	7	7	6
Minimum	2100	2250	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	0.155
Maximum	2630	2700	0.05	0.1	0.05	0.05	0.645	0.7	1.25	1.34
% of values undetected	0%	0%	100%	86%	100%	100%	43%	29%	57%	83%
# of values between MDL and PQL	0	1	0	1	0	0	4	5	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	41.89	41.30
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP110																					
Sample Date																					
08/09/07	7.29	4.42	10.59	81.7	58	43.6	1.48	31	77	50	**2.5**	**1**	25	1.21			**0.005**		**1.2**	**0.05**	4.50
09/07/07	6.73	3.70	10.65	80.7	67	198	0.12	33	73	50	**2.5**	**1**	26	1.28			**0.005**		**1.1**	**0.05**	4.30
10/25/07	7.02	3.11	12.39	92.4	65	220.6	0.12	29	69	40	**2.5**	**1**	24	1.07			**0.02**		**1.0**	**0.05**	3.20
Mean	7.01	0	11.21	84.9	63	154.0	1	31	73	47	2.5	1	25	1.19	NA	NA	0.010	NA	1.1	0.05	4.00
Median	7.02	3.7	10.65	81.7	65	198.0	0.12	31	73	50	2.5	1	25	1.21	NA	NA	0.005	NA	1.1	0.05	4.30
St. Deviation	0.28	0	1.020	6.50	5.0	96.00	1	2	4	6	0	0	1	0.11	NA	NA	0.009	NA	0.1	0	0.70
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.73	3.11	10.59	80.7	58	43.6	0.12	29	69	40	2.5	1	24	1.07	NA	NA	0.005	NA	1.0	0.05	3.20
Maximum	7.29	4.42	12.39	92.4	67	220.6	1.48	33	77	50	2.5	1	26	1.28	NA	NA	0.02	NA	1.2	0.05	4.50
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			67%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			1		3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP1104																					
Sample Date																					
09/17/04	7.02	4.83	10.98		234	7	1.7	38.1	110	76.3	1.2	**1.57**	43				**0.06**		0.954	0.205	12.8
Mean	7.02	4.83	10.98	NA	234	7.000	1.7	38.1	110	76.3	1.2	1.57	43	NA	NA	NA	0.06	NA	0.954	0.205	12.8
Median	7.02	4.83	10.98	NA	234	7.000	1.7	38.1	110	76.3	1.2	1.57	43	NA	NA	NA	0.06	NA	0.954	0.205	12.8
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1
Minimum	7.02	4.83	10.98	NA	234	7	1.7	38.1	110	76.3	1.2	1.57	43	NA	NA	NA	0.06	NA	0.954	0.205	12.8
Maximum	7.02	4.83	10.98	NA	234	7	1.7	38.1	110	76.3	1.2	1.57	43	NA	NA	NA	0.06	NA	0.954	0.205	12.8
% of values undetected	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	100%	0%				0%		0%	0%	0%
# of values between MDL and PQL	0	0	0		0	0	0	0	0	0	0	0	0				1		0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	NA	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP110																									
Sample Date																									
08/09/07	**0.0025**	**0.0025**			**0.025**	27.0	5.0	**0.2**	**0.2**	1.2	1.10	3.4	4.10	**0.05**	**0.05**	**20**	**20**	1.90	1.90	**0.05**	**0.05**	10200	10500	**0.05**	0.600
09/07/07	**0.0025**	**0.0025**			**0.025**	12.0	6.0	**0.2**	**0.2**	1.0	**0.25**	3.4	3.80	**0.05**	**0.05**	**20**	**20**	2.30	1.80	**0.05**	**0.05**	10000	10800	**0.05**	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.025**	49.0	**2.5**	**0.2**	**0.2**	**0.9**	**0.25**	4.1	3.80	**0.05**	**0.05**	**20**	**20**	1.80	1.70	**0.05**	**0.05**	9600	9500	**0.25**	**0.25**
Mean	0.0025	0.0025	NA	NA	0.025	29.3	4.5	0.2	0.2	1.0	0.53	3.6	3.90	0.05	0.05	20	20	2.00	1.80	0.05	0.05	10000	10300	0.117	0.37
Median	0.0025	0.0025	NA	NA	0.025	27.0	5.0	0.2	0.2	1.0	0.25	3.4	3.80	0.05	0.05	20	20	1.90	1.80	0.05	0.05	10000	10500	0.05	0.25
St. Deviation	0	0	NA	NA	0	18.6	1.8	0	0	0.2	0.49	0.4	0.20	0	0	0	0	0.26	0.10	0	0	0	700	0.115	0.2
# of values	3	3	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	12.0	2.5	0.2	0.2	0.9	0.25	3.4	3.80	0.05	0.05	20	20	1.80	1.70	0.05	0.05	9600	9500	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.025	49.0	6.0	0.2	0.2	1.2	1.10	4.1	4.10	0.05	0.05	20	20	2.30	1.90	0.05	0.05	10200	10800	0.25	0.600
% of values undetected	100%	100%			100%	0%	33%	100%	100%	0%	67%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	100%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.36	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.109	0.104	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1104																									
Sample Date																									
09/17/04	**0.00125**	**0.00125**			**0.0155**	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	7.46	7.87	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	11900	15000	0.249	0.388
Mean	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	7.46	7.87	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	11900	15000	0.249	0.388
Median	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	7.46	7.87	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	11900	15000	0.249	0.388
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minimum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	7.46	7.87	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	11900	15000	0.249	0.388
Maximum	0.00125	0.00125	NA	NA	0.0155	12.5	12.5	0.0385	0.0385	0.125	0.125	7.46	7.87	0.0075	0.0075	0.75	0.75	1.55	1.55	0.0155	0.0155	11900	15000	0.249	0.388
% of values undetected	100%	100%			100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	5.86	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.132	0.126	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP110																									
Sample Date																									
08/09/07	**0.025**	**0.025**	0.6	**0.25**	30	**10**	**0.05**	**0.05**	1100	1200	1.6	**0.25**	**0.000169**		1	1.1	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	5200	**0.025**	**0.025**
09/07/07	0.08	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1400	**0.25**	0.8	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	300	**150**	**0.05**	**0.05**	5900	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	800	500	**0.05**	**0.05**	6100	**0.025**	**0.05**
Mean	0.043	0.025	0.37	0.25	22	10.0	0.0500	0.0500	1100	1300	0.700	0.430	0.000946	NA	1.30	1.40	0.300	0.300	700	550	0.0500	0.0500	5700	0.025	0.033
Median	0.025	0.025	0.25	0.25	25	10.0	0.0500	0.0500	1100	1200	0.250	0.250	0.000169	NA	1.50	1.50	0.300	0.300	800	500	0.0500	0.0500	5900	0.025	0.025
St. Deviation	0.032	0	0.20	0	10	0	0	0	100	100	0.780	0.320	0.00135	NA	0.300	0.200	0	0	360	430	0	0	500	0	0.014
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1100	1200	0.25	0.25	0.000169	NA	1	1.1	0.3	0.3	300	150	0.05	0.05	5200	0.025	0.025
Maximum	0.08	0.025	0.6	0.25	30	10	0.05	0.05	1200	1400	1.6	0.8	0.00250	NA	1.5	1.5	0.3	0.3	1000	1000	0.05	0.05	6100	0.025	0.05
% of values undetected	67%	100%	67%	100%	67%	100%	100%	100%	0%	0%	67%	67%	100%		67%	67%	100%	100%	33%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	1	0	1	0	0	0	0	0	1	1	0		1	1	0	0	2	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.258	3.128	1000	1000	0.664	0.644	NA	NA	NA	NA	0.012	0.012	NA	NA	18.41	18.36	NA	NA	5	4.6	NA	0.488493155	0.415
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1104																									
Sample Date																									
09/17/04	**0.05**		**0.1**	0.283	136	**3.1**	**0.05**	**0.05**	2000	2500	1.92	1.66	0.00110		**0.155**	**0.155**	0.38		418	443	**0.155**	**0.155**	9100	**0.0031**	**0.0031**
Mean	0.05	NA	0.1	0.283	136	3.1	0.0500	0.0500	2000	2500	1.92	1.66	0.00110	NA	0.155	0.155	0.380	NA	418	443	0.155	0.155	9100	0.0031	0.0031
Median	0.05	NA	0.1	0.283	136	3.1	0.0500	0.0500	2000	2500	1.92	1.66	0.00110	NA	0.155	0.155	0.380	NA	418	443	0.155	0.155	9100	0.0031	0.0031
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1
Minimum	0.05	NA	0.1	0.283	136	3.1	0.05	0.05	2000	2500	1.92	1.66	0.00110	NA	0.155	0.155	0.38	NA	418	443	0.155	0.155	9100	0.0031	0.0031
Maximum	0.05	NA	0.1	0.283	136	3.1	0.05	0.05	2000	2500	1.92	1.66	0.00110	NA	0.155	0.155	0.38	NA	418	443	0.155	0.155	9100	0.0031	0.0031
% of values undetected	100%		100%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%		100%	100%	0%		0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0		0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.090	3.926	1000	1000	0.931	0.868	NA	NA	NA	NA	0.012	0.012	NA	NA	23.06	22.99	NA	NA	5	4.6	NA	0.771953137	0.656
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP110										
Sample Date										
08/09/07	2200	2300	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/07/07	2200	2400	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.2**	**1**	**1**
10/25/07	2300	2300	**0.25**	**0.25**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	2200	2300	0.117	0.117	0.0500	0.0500	0.500	0.270	1.00	1.00
Median	2200	2300	0.0500	0.0500	0.0500	0.0500	0.500	0.200	1.00	1.00
St. Deviation	100	100	0.115	0.115	0	0	0	0.210	0	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2200	2300	0.05	0.05	0.05	0.05	0.5	0.1	1	1
Maximum	2300	2400	0.25	0.25	0.05	0.05	0.5	0.5	1	1
% of values undetected	0%	0%	100%	100%	100%	100%	100%	67%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	42.22	41.63
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1104										
Sample Date										
09/17/04	3620	4020	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.75**
Mean	3620	4020	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.750
Median	3620	4020	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.750
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	1	1	1	1	1	1	1
Minimum	3620	4020	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.75
Maximum	3620	4020	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.75
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	52.90	52.16
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

2004-2008 Mine Study Area, Surface Water Analytical Results Summary- Seeps

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP1105																					
Sample Date																					
07/20/05	7.79	3.08	11.09	82.4	75	209.5	1.14	35.1	75.0	62.5	**0.309**	**0.785**	33.5	1.510			0.138		0.784	**0.05**	2.35
08/21/05	8.04	3.05	8.55	63.6	75	156.4	0.23														
10/05/05	7.99	3.13	9.95	74.1	71	202.8	0.39	30.8	75.0	42.0	**0.075**	**0.785**	33.5	0.383			**0.014**		0.788	**0.05**	3.02
03/16/06	7.74	3.06	9.21	68.5	74	-183.3	0.13	30.9	70.0	48.7	**0.075**	**0.785**	38.0	0.324			0.013		0.794	**0.0155**	2.76
06/29/06	7.44	3.12	10.26	76.7	70	-101.9	0.34	30.5	70.0	50.0	0.532	**0.785**	35.0	0.316	**0.0155**	0.293	0.0130	**0.05** J	0.804	**0.0560**	2.66
08/26/06	7.94	3.10	10.07	75.3	41	136.7	0.1	34.8	70.0	73.8	0.619	**1.57**	34.0	0.303	**0.0315**	0.272	0.0130	**0.0155**	0.782	**0.0480**	2.61
10/05/06	8.10	3.08	8.89	66.1	73	212.4	0.09	31.8	70.0	33.8	**0.202**	**1.57**	34.0	0.243	**0.0155**	0.227	0.0170	**0.05** J	0.818	**0.0960**	2.70
03/25/07	7.99	3.08	10.54	78.5	59	153.2	0.14	32.0	70.0	41.3	**0.808**	**1.57**	34.0	0.288	**0.0155**	0.260	0.0110	**0.0155**	0.815	**0.0470**	2.50
05/25/07	7.88	3.04	11.94	88.8	76	74.6	1.2	32.5	70.0	48.8	**0.3125**	**1.57**	34.0	0.314			0.0223		0.797	**0.0530**	2.52
08/04/07	7.57	3.07	10.59	78.9	72	217.7	0.28	34.0	79.0	40.0	**2.5**	**1**	34.0	0.290			**0.02**		**1.3**	**0.05**	**2.6**
09/06/07	7.68	3.17	9.93	73.9	39	154.2	0.06	36.0	76.0	20.0	**2.5**	**1**	35.0	0.270			**0.005**		**1.0**	**0.05**	3.00
10/25/07	7.78	3.02	10.84	80.6	66	167.7	0.07	36.0	82.0	50.0	**6**	**1**	34.0	0.290			**0.01**		**0.9**	**0.05**	**2.3**
Mean	7.83	3	10.16	75.6	66	116.7	0.3	33.1	73	46.4	1.267	1.13	34.0	0.412	0.0195	0.263	0.025	0.033	0.871	0.051	2.64
Median	7.84	3	10.17	76.0	72	155.3	0.2	32.5	70	48.7	0.532	1	34.0	0.303	0.0155	0.266	0.013	0.033	0.804	0.05	2.61
St. Deviation	0.2	0	0.9600	7.10	13	128.7	0.40	2.1	4	14.1	1.8	0.36	1.0	0.366	0.0080	0.028	0.038	0.020	0.157	0.018	0.23
# of values	12	12	12	12	12	12	12	11	11	11	11	11	11	11	4	4	11	4	11	11	11
Minimum	7.44	3.02	8.55	63.6	39	-183.3	0.06	30.5	70	20.0	0.075	0.785	33.5	0.243	0.0155	0.227	0.005	0.0155	0.782	0.0155	2.3
Maximum	8.1	3.17	11.94	88.8	76	217.7	1.2	36	82	73.8	6	1.57	38.0	1.510	0.0315	0.293	0.138	0.0500	1.3	0.096	3.02
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	45%	100%	0%	0%	75%	0%	9%	100%	0%	55%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	3	0	3	5	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP111																					
Sample Date																					
08/09/07	6.78	1.93	11.24	81.1	82	79.6	0.45	42	90	40	**2.5**	**1**	40	**0.06**			**0.005**		**1.0**	**0.05**	**2.0**
09/05/07	6.58	2.04	10.82	78.3	50	155.5	0.94	46	87	50	**2.5**	**1**	43	**0.06**			**0.005**		**1.0**	**0.05**	**2.2**
10/28/07	6.67	1.47	11.01	78.5	88	124.8	0.19	45	94	60	**6**	**1**	43	0.10			**0.005**		**0.8**	**0.05**	**1.2**
Mean	6.68	0	11.02	79.3	73	120.0	1	44	90	50	3.7	1	42	0.07	NA	NA	0.005	NA	0.9	0.05	1.8
Median	6.67	1.93	11.01	78.5	82	124.8	0.45	45	90	50	2.5	1	43	0.06	NA	NA	0.005	NA	1	0.05	2
St. Deviation	0.1	0	0.2100	1.60	20	38.20	0	2	4	10	2	0	2	0.02	NA	NA	0	NA	0.1	0	0.5
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.58	1.47	10.82	78.3	50	79.6	0.19	42	87	40	2.5	1	40	0.06	NA	NA	0.005	NA	0.8	0.05	1.2
Maximum	6.78	2.04	11.24	81.1	88	155.5	0.94	46	94	60	6	1	43	0.10	NA	NA	0.005	NA	1	0.05	2.2
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	0%	0%			100%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	2			0		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1105																									
Sample Date																									
07/20/05	**0.00125**	**0.00125**			**0.0155**	4.67	3.57	0.139	0.141	7.49	7.16	2.80	2.80	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	11600	10900	0.791	0.813
08/21/05																									
10/05/05	**0.00125**	**0.00125**			**0.0155**	4.03	3.19	0.145	0.149	6.50	6.91	2.54	2.65	**0.0075**	**0.0075**	**0.00155**	0.011	**1.55**	**1.55**	**0.00775**	**0.00775**	10300	10700	0.786	0.814
03/16/06	**0.00125**	**0.00125**			**0.0155**	4.42	3.51	0.176	0.131	7.18	6.47	2.71	2.69	**0.012**	**0.012**	**0.025**	**0.0075**	**2.5**	**2.5**	**0.0125**	**0.0125**	10200	9780	0.659	0.720
06/29/06	**0.00105**	**0.00075**			**0.0155**	4.69	3.75	0.142	0.162	6.77	7.11	2.64	3.10	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**1.66**	**0.0125**	**0.0125**	10100	10400	0.931	0.993
08/26/06	**0.00075**	**0.00075**			**0.0155**	9.16	3.81	0.164	0.170	7.59	7.67	2.93	3.09	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	11500	12100	0.921	
10/05/06	**0.00075**	**0.0025**			0.119	3.59	2.92	0.120	**0.0312** J	6.66	6.44	2.61	2.81	**0.0125**	**0.0125**	**0.0075**	**0.0232**	**1.25**	**3.31**	**0.0185**	**0.0185**	10700	9720	0.289	
03/25/07	**0.00075**	**0.00075**			**0.0155**	11.2	3.85	0.195	0.178	7.11	7.00	2.74	2.85	**0.0125**	**0.0125**	**0.0075**	**0.0156**	**1.25**	**1.25**	**0.0075**	**0.0075**	10700	9800	0.667	0.553
05/25/07	**0.00075**	**0.00075**			**0.0155**	3.78	2.91	0.166	0.177	7.06	6.75	2.84		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10900	10800	0.661	0.401
08/04/07	**0.0025**	**0.015**			**0.025**	9.00		**0.2**	**0.2**	7.00	7.80	3.00		**0.05**	**0.05**	**20**	**20**	1.60	2.60	**0.05**	**0.05**	11900	11100	0.700	1.100
09/06/07	**0.0025**	**0.0025**			**0.025**	9.00	9.00	**0.2**	**0.2**	6.80	7.00	2.70	3.0	**0.05**	**0.05**	**20**	**20**	2.10	2.00	**0.05**	**0.05**	11900	11900	0.900	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.025**	**2.5**	6.00	**0.2**	**0.2**	7.60	7.40	2.80		**0.05**	**0.05**	**20**	**20**	**1.5**	2.40	**0.05**	**0.05**	11200	12100	**0.25**	
Mean	0.0014	0.0027	NA	NA	0.0275	6.00	4.25	0.168	0.158	7.07	7.06	2.76	2.87	0.022	0.022	5.4605	5.462	1.82	2.25	0.022	0.022	11000	10800	0.687	0.706
Median	0.00125	0.00125	NA	NA	0.0155	4.67	3.66	0.166	0.17	7.06	7.00	2.74	2.83	0.0125	0.0125	0.0075	0.011	1.50	2.00	0.0125	0.0125	10900	10800	0.7	0.767
St. Deviation	0.0007	0.0042	NA	NA	0.0307	2.96	1.88	0.029	0.048	0.37	0.44	0.14	0.17	0.018	0.018	9.3382	9.337	1.15	1.13	0.0184	0.0184	700	900	0.231	0.289
# of values	11	11	0	0	11	11	10	11	11	11	11	11	8	11	11	11	11	11	11	11	11	11	11	11	8
Minimum	0.00075	0.00075	NA	NA	0.0155	2.5	2.91	0.12	0.0312	6.50	6.44	2.54	2.65	0.0075	0.0075	0.00155	0.00155	0.75	1.25	0.0075	0.0075	10100	9720	0.25	0.25
Maximum	0.0025	0.015	NA	NA	0.119	11.2	9.00	0.2	0.2	7.60	7.80	3.00	3.10	0.05	0.05	20	20	5	5	0.05	0.05	11900	12100	0.931	1.100
% of values undetected	100%	100%			91%	9%	0%	27%	27%	0%	0%	0%	0%	100%	100%	100%	73%	82%	55%	100%	100%	0%	0%	9%	13%
# of values between MDL and PQL	0	0			0	0	0	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	4.32	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.113	0.108	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	9%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP111																									
Sample Date																									
08/09/07	**0.0025**	**0.0025**			**0.025**	11.0	6.0	**0.2**	**0.2**	**0.6**	**0.25**	1.0		**0.05**	**0.05**	**20**	**40**	1.30	1.20	**0.05**	**0.05**	15300	15800	**0.05**	**0.4**
09/05/07	**0.0025**	**0.0025**			**0.025**	9.00	6.0	**0.2**	**0.2**	**0.25**	**0.25**	1.0	1.40	**0.05**	**0.05**	**20**	**20**	2.00	1.20	**0.05**	**0.05**	15800	17000	**0.25**	**0.25**
10/28/07	**0.0025**	**0.0025**			**0.025**	11.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.1	1.00	**0.05**	**0.05**	**20**	**20**	**2.5**	1.20	**0.05**	**0.05**	16300	16800	**0.05**	**0.25**
Mean	0.0025	0.0025	NA	NA	0.025	10.3	4.8	0.2	0.2	0.37	0.25	1.4	1.20	0.05	0.05	20	27	1.93	1.20	0.05	0.05	15800	16500	0.117	0.3
Median	0.0025	0.0025	NA	NA	0.025	11.0	6.0	0.2	0.2	0.25	0.25	1.0	1.20	0.05	0.05	20	20	2.00	1.20	0.05	0.05	15800	16800	0.05	0.25
St. Deviation	0	0	NA	NA	0	1.20	2.0	0	0	0.2	0	0.6	0.28	0	0	0	12	0.60	0	0	0	500	600	0.115	0.09
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	9.00	2.5	0.2	0.2	0.25	0.25	1.0	1.00	0.05	0.05	20	20	1.30	1.20	0.05	0.05	15300	15800	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.025	11.0	6.0	0.2	0.2	0.6	0.25	2.1	1.40	0.05	0.05	20	40	2.50	1.20	0.05	0.05	16300	17000	0.25	0.4
% of values undetected	100%	100%			100%	0%	33%	100%	100%	67%	100%	0%	0%	100%	100%	100%	100%	33%	0%	100%	100%	0%	0%	100%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.58	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.143	0.135	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1105																									
Sample Date																									
07/20/05	0.0186	0.014	0.106	0.194	**10**	**3.1**	**0.0155**		1470	1380	**0.031**	**0.031**	**0.0025**		0.536	0.525	0.382		476	456	**0.0775**	**0.0775**	5060	**0.0031**	**0.0031**
08/21/05																									
10/05/05	0.0244		8.18	0.156	**3.1**	**3.1**	**0.0155**		1240	1280	**0.0636**	**0.1**	**0.000450**		0.367		0.352		404	423	**0.0775**	**0.0775**	5510	**0.0031**	**0.0031**
03/16/06	0.0202	**0.01**	**0.05**	0.140	**3.1**	**3.1**	**0.025**		1320	1290	**0.025**	**0.025**	**0.000475**		0.661	0.548	0.279		404	392	**0.322**	**0.155**	2600	**0.0031**	**0.0031**
06/29/06	0.0394	0.0336	0.219	0.163	**7.92**	**8.12**	**0.0250**		1260	1320	0.0688	0.0892	**0.000475**		0.513	0.476	0.544		404	431	**0.155**	**0.155**	5160	**0.0031**	**0.0031**
08/26/06	0.0294	0.0394	0.114		**10.1**	**9.60**	**0.0155**		1450	1540	0.201	0.139	**0.000475**		0.547	0.557	0.413		481	513	**0.155**	**0.155**	5860	**0.0031**	**0.0031**
10/05/06	**0.0168**	0.0210	**0.050**		30.9	**9.72**	**0.0155**	**0.0518**	1230	1300	0.0506	0.0790	**0.000475**		0.503	0.541	0.258	0.371	381	416	**0.155**	**0.155**	4630	**0.0031**	**0.0031**
03/25/07	**0.0100**		0.106		**6.71**	**3.10**	**0.0155**	**0.050**	1300	1380	0.194		**0.000169**		0.532	0.586	0.389		421	411	**0.155**	**0.155**	5130	**0.0031**	**0.0031**
05/25/07	**0.0176**	**0.0188**	0.130	0.130	26.9	29.8	**0.050**	**0.050**	1320	1490	0.0510	0.0604	**0.000169**		0.560	0.549	0.283	0.270	413	450	**0.155**	**0.155**	5010	**0.0031**	**0.0031**
08/04/07	**0.025**	**0.05**	**0.25**	**1.1**	**10**	**10**	**0.05**	**0.05**	1300	1400	**0.25**	**0.25**	**0.000169**		**0.25**	**0.7**	**0.3**	**0.9**	**1000**	**1000**	**0.05**	**0.05**	5200	**0.025**	**0.025**
09/06/07	**0.07**	**0.025**	**0.25**	**0.25**	**10**	**25**	**0.05**	**0.05**	1400	1400	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**400**	**150**	**0.05**	**0.1**	5100	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1300	1500	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**400**	**500**	**0.25**	**0.05**	5400	**0.025**	**0.025**
Mean	0.0269	0.026	0.882	0.298	12	10.4	0.0300	0.0500	1330	1390	0.130	0.130	0.000729	NA	0.679	0.748	0.345	0.430	471	467	0.146	0.117	4970	0.0091	0.0091
Median	0.0244	0.025	0.130	0.179	10	9.6	0.0250	0.0500	1300	1380	0.0688	0.0900	0.000475	NA	0.536	0.553	0.300	0.300	404	431	0.155	0.155	5130	0.0031	0.0031
St. Deviation	0.0162	0.013	2.422	0.327	9	9.0	0.0160	0.00100	80	90	0.0970	0.0900	0.000887	NA	0.420	0.400	0.0830	0.270	178	201	0.0840	0.0460	850	0.010	0.010
# of values	11	9	11	8	11	11	11	6	11	11	11	10	11	0	11	10	11	5	11	11	11	11	11	11	11
Minimum	0.01	0.01	0.050	0.130	3.1	3.10	0.0155	0.050	1230	1280	0.025	0.025	0.000169	NA	0.25	0.476	0.258	0.270	381	150	0.05	0.05	2600	0.0031	0.0031
Maximum	0.07	0.05	8.18	1.1	30.9	29.8	0.05	0.0518	1470	1540	0.25	0.25	0.00250	NA	1.5	1.5	0.544	0.9	1000	1000	0.322	0.155	5860	0.025	0.025
% of values undetected	27%	33%	45%	25%	55%	64%	100%	83%	0%	0%	45%	60%	100%		27%	20%	27%	40%	9%	18%	91%	91%	0%	100%	100%
# of values between MDL and PQL	3	2	0	1	3	3	0	1	0	0	1	0	0		0	1	0	1	2	1	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.396	3.260	1000	1000	0.706	0.680	NA	NA	NA	NA	0.012	0.012	NA	NA	19.18	19.12	NA	NA	5	4.6	NA	0.530958285	0.451
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP111																									
Sample Date																									
08/09/07	**0.025**	**0.025**	**0.6**	**0.5**	**10**	**20**	**0.05**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**300**	**0.05**	**0.05**	2400	**0.025**	**0.025**
09/05/07	**0.11**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**800**	**0.25**	**0.25**	**0.000501**		**0.25**	**0.25**	**1.5**	**0.3**	**150**	**150**	**0.05**	**0.05**	2800	**0.025**	**0.025**
10/28/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	**800**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.5**	**0.05**	2700	**0.025**	**0.025**
Mean	0.053	0.025	0.37	0.33	10	13.0	0.05	0.05	700	770	0.25	0.25	0.000280	NA	0.250	0.250	0.700	0.300	150	200	0.200	0.0500	2600	0.025	0.025
Median	0.025	0.025	0.25	0.25	10	10.0	0.05	0.05	700	800	0.25	0.25	0.000169	NA	0.250	0.250	0.300	0.300	150	150	0.0500	0.0500	2700	0.025	0.025
St. Deviation	0.049	0	0.2	0.14	0	6.0	0	0	100	60	0	0	0.000192	NA	0	0	0.690	0	0	90.0	0.260	0	200	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	600	700	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	2400	0.025	0.025
Maximum	0.11	0.025	0.6	0.5	10	20	0.05	0.05	800	800	0.25	0.25	0.000501	NA	0.25	0.25	1.5	0.3	150	300	0.5	0.05	2800	0.025	0.025
% of values undetected	67%	100%	67%	67%	100%	100%	100%	100%	0%	0%	100%	100%	67%		100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	1	1	0	0	0	0	3	3	0	0	1		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.472	4.293	1000	1000	1.064	0.975	NA	NA	NA	NA	0.012	0.012	NA	NA	25.19	25.12	NA	NA	5	4.6	NA	0.924071146	0.785
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1105										
Sample Date										
07/20/05	2290	2210	**0.0031**	**0.0031**	**0.031**	**0.031**	1.53	1.75	10.7	2.59
08/21/05										
10/05/05	1940	2000	**0.0031**	**0.0031**	**0.031**	**0.031**	1.67	1.13	6.39	**1.2**
03/16/06	2050	2080	**0.0025**	**0.0025**	0.220	**0.0155**	1.27	1.47	0.757	
06/29/06	1960	2060	**0.0076**	**0.0025**	**0.0155**	**0.0346**	1.10	1.22	1.06	
08/26/06	2210	2420	**0.0050**	**0.0050**	**0.050**	**0.050**	1.62	1.69	1.01	
10/05/06	1880	2020	**0.0050**		**0.050**	0.214	**0.929**	1.34	**0.50**	
03/25/07	2040	2160	**0.0050**	**0.0050**	**0.050**	**0.050**	1.26	1.25	**0.50**	
05/25/07	2020	2220	**0.0050**	**0.0050**	**0.050**	**0.050**	1.22	1.19	1.61	2.17
08/04/07	2100	2100	**0.1**	**0.05**	**0.05**	**0.05**	1.40	1.60	**1**	**1**
09/06/07	2200	2200	**0.05**	**0.05**	**0.05**	**0.05**	1.10	1.40	**1**	**1**
10/25/07	**1900**	2200	**0.25**	**0.25**	**0.05**	**0.05**	1.90	1.60	**1**	**1**
Mean	2050	2150	0.0397	0.0380	0.0590	0.0570	1.36	1.42	2.32	1.00
Median	2040	2160	0.00500	0.00500	0.0500	0.0500	1.27	1.40	1.00	1.00
St. Deviation	130	120	0.0761	0.0770	0.0550	0.0530	0.290	0.210	3.24	1.00
# of values	11	11	11	10	11	11	11	11	11	6
Minimum	1880	2000	0.0025	0.0025	0.0155	0.0155	0.929	1.13	0.50	1
Maximum	2290	2420	0.25	0.25	0.220	0.214	1.90	1.75	10.7	2.59
% of values undetected	0%	0%	82%	100%	91%	82%	0%	0%	45%	50%
# of values between MDL and PQL	1	0	2	0	0	1	1	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	43.99	43.38
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP111										
Sample Date										
08/09/07	**1300**	**1400**	**0.1**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/05/07	**1400**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
10/28/07	**1200**	**1500**	**0.05**	**0.25**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	1300	1500	0.0670	0.117	0.05	0.05	0.5	0.370	1.00	1.00
Median	1300	1500	0.0500	0.0500	0.05	0.05	0.5	0.500	1.00	1.00
St. Deviation	100	100	0.0290	0.115	0	0	0	0.230	0	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1200	1400	0.05	0.05	0.05	0.05	0.5	0.1	1	1
Maximum	1400	1500	0.1	0.25	0.05	0.05	0.5	0.5	1	1
% of values undetected	0%	0%	67%	100%	100%	100%	100%	67%	100%	100%
# of values between MDL and PQL	3	3	1	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	57.80	56.99
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP112																					
Sample Date																					
08/09/07	7.04	1.88	10.89	78.5	52	66	0.09	20.0	56.0	40.0	**2.5**	**1**	4	0.04			**0.005**		1.0	**0.05**	16.2
09/05/07	6.75	2.22	10.53	76.6	48	132.1	0.06	21.0	53.0	40.0	**2.5**	**1**	4	0.08			**0.005**		1.0	**0.05**	15.6
10/28/07	6.78	2.30	9.66	70.4	54	115.4	0.18	19.0	55.0	40.0	**2.5**	**1**	5	0.05			**0.005**		0.9	**0.05**	14.9
06/03/08	6.55	1.06	10.51	74.2	45	259.4	0.07	16.8	51.2	20.0	0.4	3.16	4.38	0.0585			0.0059		0.652	**0.0155**	15.0
08/02/08	6.83	2.20	11.12	81	51	221.8	0.07	17.6	33.0	23.8	0.625	**1.57**	4.94	0.063			0.0172		0.692	0.077	14.0
09/16/08	5.88	2.54	10.34	75.9	51	266.2	0.09	16.5	55.5	32.5	**0.1545**	**1.57**	5.18	0.0575			0.0087		0.796	0.088	13.4
Mean	6.64	2	10.51	76.1	50.0	176.8	0.1	18	51	33.0	1.4	1.6	4.6	0.06	NA	NA	0.008	NA	0.84	0.06	14.9
Median	6.77	2	10.52	76.3	51.0	177.0	0.100	18	54	36.0	1.6	1.3	4.7	0.06	NA	NA	0.005	NA	0.85	0.05	15.0
St. Deviation	0.4	1	0.500	3.60	3.0	83.50	0	2	9	9.0	1.2	0.8	0.5	0.01	NA	NA	0.005	NA	0.15	0.03	1
# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0	0	6	0	6	6	6
Minimum	5.88	1.06	9.66	70.4	45	66	0.06	16.5	33	20.0	0.1545	1	4	0.04	NA	NA	0.005	NA	0.652	0.0155	13.4
Maximum	7.04	2.54	11.12	81	54	266.2	0.18	21	56	40.0	2.5	3.16	5.18	0.08	NA	NA	0.0172	NA	1	0.088	16.2
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	83%	0%	0%			50%		0%	67%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	1	6	6			2		3	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP113																					
Sample Date																					
08/09/07	6.25	5.15	10.23	80.4	31	134.3	0.28	12.0	35.0	20.0	**2.5**	**1**	6	0.24			0.01		0.6	**0.05**	6.90
09/05/07	7.12	4.91	9.44	73.7	35	195.7	0.07	15.0	40.0	40.0	**2.5**	**1**	8	0.08			**0.005**		0.7	**0.05**	8.50
10/21/07	6.54	1.22	10.52	74.6	36	261.4	0.24	12.0	32.0	20.0	8	**1**	6	0.05			**0.005**		0.8	**0.05**	6.50
08/02/08	6.00	1.68	12.07	86.5	10	217.2	0.07	3.24	7.42	**1.55**	**0.1565**	**1.57**	1.55	0.0425			0.019		0.316	**0.0155**	0.84
09/16/08	6.64	3.06	10.48	78	23	195.6	0.09	8.76	25.9	17.5	**0.153**	**1.57**	5.72	0.0745			0.0084		0.543	0.081	4.01
Mean	6.51	0	10.55	78.6	27	200.8	0.2	10	28	20.0	2.7	1.2	5.5	0.097	NA	NA	0.009	NA	0.59	0.049	5.3
Median	6.54	3.06	10.48	78.0	31	195.7	0.090	12	32	20.0	2.5	1	6	0.0745	NA	NA	0.0084	NA	0.6	0.05	6.5
St. Deviation	0.42	0	0.9600	5.10	11	45.90	0.10	4	13	14.0	3.2	0.3	2.4	0.081	NA	NA	0.006	NA	0.18	0.023	3
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	5	0	5	5	5
Minimum	6	1.22	9.44	73.7	10	134.3	0.07	3.24	7.42	1.55	0.153	1	1.55	0.0425	NA	NA	0.005	NA	0.316	0.0155	0.837
Maximum	7.12	5.15	12.07	86.5	36	261.4	0.28	15	40	40.0	8	1.57	8	0.24	NA	NA	0.019	NA	0.8	0.081	8.5
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	80%	100%	20%	0%			40%		0%	80%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	4	4			2		3	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP112																									
Sample Date																									
08/09/07	**0.0025**	**0.0025**			**0.025**	**0.5**	2	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.50	1.30	**0.05**	**0.05**	5700	6200	**0.05**	0.500
09/05/07	**0.0025**	**0.0025**			**0.025**	8.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**	0.90	**0.05**	**0.05**	**20**	**20**	2.10	1.50	**0.05**	**0.05**	5600	6200	**0.05**	**0.25**
10/28/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.40	**0.25**	**0.05**	**0.05**	**20**	**20**	**1.5**	1.70	**0.05**	**0.05**	5500	5600	**0.05**	**0.25**
06/03/08	**0.0025**	**0.00075**			0.354	5.15	3.66	**0.0075**	**0.0075**	**0.155**	**0.155**	0.30		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4980	4950	0.148	0.287
08/02/08	**0.00075**	**0.00075**			**0.050**	**1.00**	**1.00**	**0.0075**	0.0203 J	**0.155**	**0.155**	0.21		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5250	5940	0.260	0.301
09/16/08	**0.0025**	**0.00075**			**0.050**	2.61	1.67	**0.0075**	0.0214 J	**0.155**	**0.155**	0.22		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4910	5330	0.316	0.362
Mean	0.0022	0.0016	NA	NA	0.088	3.29	2.22	0.1	0.11	0.2	0.2	0.44	0.58	0.031	0.031	10	10	1.48	1.38	0.029	0.029	5320	5700	0.146	0.325
Median	0.0025	0.0016	NA	NA	0.038	2.56	2.25	0.1	0.11	0.2	0.2	0.25	0.58	0.031	0.031	10	10	1.38	1.28	0.029	0.029	5380	5770	0.099	0.294
St. Deviation	0.0007	0.001	NA	NA	0.131	2.82	0.90	0.11	0.1	0.05	0.05	0.47	0.46	0.021	0.021	11	11	0.33	0.19	0.023	0.023	330	500	0.118	0.095
# of values	6	6	0	0	6	6	6	6	6	6	6	6	2	6	6	6	6	6	6	6	6	6	6	6	6
Minimum	0.00075	0.00075	NA	NA	0.025	0.5	1.00	0.0075	0.0075	0.155	0.155	0.21	0.25	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4910	4950	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.354	8.00	3.66	0.2	0.2	0.25	0.25	1.40	0.90	0.05	0.05	20	20	2.10	1.70	0.05	0.05	5700	6200	0.316	0.500
% of values undetected	100%	100%			83%	50%	50%	100%	67%	100%	100%	33%	50%	100%	100%	100%	100%	67%	50%	100%	100%	0%	0%	50%	33%
# of values between MDL and PQL	0	0			0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.93	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.071	0.070	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP113																									
Sample Date																									
08/09/07	**0.0025**	**0.0025**			**0.025**	41.0	6.00	**0.2**	**0.2**	0.5	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.60	1.50	0.05	0.05	3900	4100	**0.05**	0.500
09/05/07	**0.0025**	**0.0025**			**0.025**	12.0	6.00	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**	**0.25**	**0.05**	**0.05**	**20**	**20**	1.90	1.20	0.05	0.05	4800	5000	**0.05**	**0.25**
10/21/07	**0.0025**	**0.0025**			**0.025**	19.0	6.00	**0.2**	**0.2**	**0.25**	**0.25**	1.40		**0.05**	**0.05**	**20**	**20**	1.30	1.70	0.05	0.05	3700	4000	0.600	0.600
08/02/08	**0.00075**	**0.00075**			**0.0155**	19.8	3.83	**0.0075**	**0.0075**	**0.155**	**0.155**	0.14		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1080	1120	0.336	0.189
09/16/08	**0.0025**	**0.00075**			**0.050**	6.04	2.67	**0.0075**	0.044 J	**0.155**	**0.155**	0.23		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2890	3010	0.344	0.326
Mean	0.0022	0.0018	NA	NA	0.028	19.6	4.90	0.12	0.13	0.26	0.21	0.45	0.25	0.035	0.035	12	12	1.46	1.38	0.033	0.033	3300	3400	0.276	0.373
Median	0.0025	0.0025	NA	NA	0.025	19.0	6.00	0.2	0.2	0.25	0.25	0.25	0.25	0.05	0.05	20	20	1.30	1.25	0.05	0.05	3700	4000	0.336	0.326
St. Deviation	0.0008	0.001	NA	NA	0.013	13.2	1.56	0.11	0.1	0.14	0.05	0.53	NA	0.021	0.021	11	11	0.29	0.21	0.023	0.023	1400	1500	0.232	0.172
# of values	5	5	0	0	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.00075	0.00075	NA	NA	0.0155	6.04	2.67	0.0075	0.0075	0.155	0.155	0.14	0.25	0.0125	0.0125	0.0075	0.0075	1.25	1.20	0.0075	0.0075	1080	1120	0.05	0.189
Maximum	0.0025	0.0025	NA	NA	0.05	41.0	6.00	0.2	0.2	0.5	0.25	1.40	0.25	0.05	0.05	20	20	1.90	1.70	0.05	0.05	4800	5000	0.600	0.600
% of values undetected	100%	100%			100%	0%	0%	100%	80%	80%	100%	40%	100%	100%	100%	100%	100%	40%	40%	100%	100%	0%	0%	40%	20%
# of values between MDL and PQL	0	0			0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.93	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.026	0.028	NA	NA	6.604449458	5.679826534
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	60%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP112																									
Sample Date																									
08/09/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**1.1**	**0.3**	**150**	**150**	**0.3**	**0.3**	3900	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1300	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**150**	**0.3**	**0.3**	3900	**0.025**	**0.025**
10/28/07	**0.06**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.25**	4300	**0.025**	**0.025**
06/03/08	**0.0050**	**0.0127**	**0.0757**		**11.2**	**17.9**	**0.0155**	**0.0155**	1050	1080	0.284		**0.00075**		**0.0075**	**0.0075**	**0.149**		163	176	**0.155**	**0.155**	3830	**0.0031**	**0.0031**
08/02/08	**0.0050**	**0.0117**	**0.050**	0.159	**13.2**	**15.2**	**0.0155**	**0.0155**	1100	1260	0.0653	0.0835	**0.00075**		0.0542	0.0801	0.204	0.363	161	203	**0.155**	**0.155**	4560	**0.0031**	**0.0031**
09/16/08	**0.0050**	**0.0121**	0.117		**8.27**	**16**	**0.0155**	**0.0155**	1030	1110	**0.0250**	0.0816	**0.00075**		**0.0422**	0.0794	**0.100**	0.269	159	192	**0.155**	**0.155**	4090	**0.0031**	**0.0031**
Mean	0.0208	0.019	0.165	0.23	10	13.0	0.0330	0.0330	1100	1190	0.190	0.180	0.000460	NA	0.140	0.150	0.400	0.31	197	170	0.220	0.220	4100	0.014	0.014
Median	0.015	0.019	0.184	0.25	10	13.0	0.0330	0.0330	1100	1200	0.250	0.250	0.000460	NA	0.150	0.170	0.300	0.300	160	163	0.200	0.200	4000	0.014	0.014
St. Deviation	0.0215	0.007	0.095	0.05	2	4.0	0.0190	0.0190	0	80	0.110	0.0900	0.000320	NA	0.120	0.110	0.400	0.300	100	24.0	0.0700	0.0700	280	0.012	0.012
# of values	6	6	6	4	6	6	6	6	6	6	6	5	6	0	6	6	6	5	6	6	6	6	6	6	6
Minimum	0.005	0.0117	0.050	0.159	8.27	10	0.0155	0.0155	1030	1080	0.0250	0.0816	0.000169	NA	0.0075	0.0075	0.100	0.269	150	150	0.155	0.155	3830	0.0031	0.0031
Maximum	0.06	0.025	0.25	0.25	13.2	17.9	0.05	0.05	1100	1300	0.284	0.25	0.00075	NA	0.25	0.25	1.1	0.363	400	203	0.3	0.3	4560	0.025	0.025
% of values undetected	83%	50%	67%	75%	50%	50%	100%	100%	0%	0%	67%	60%	100%		67%	67%	50%	60%	33%	50%	67%	67%	0%	100%	100%
# of values between MDL and PQL	1	3	1	0	3	3	0	0	0	0	0	0	0		1	0	2	0	1	0	2	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.008	1.928	1000	1000	0.323	0.340	NA	NA	NA	NA	0.012	0.012	NA	NA	11.40	11.37	NA	NA	5	4.6	NA	0.184442101	0.157
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP113																									
Sample Date																									
08/09/07	**0.025**	**0.025**	**0.8**	**0.25**	50	**10**	**0.05**	**0.05**	**400**	**500**	**0.7**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.2**	4100	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**300**	**0.05**	**0.1**	4600	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.25**	**0.05**	**400**	**500**	**0.25**	**0.25**	**0.000470**		**0.25**	**0.25**	**0.3**	**0.7**	**150**	**300**	**0.25**	**0.25**	4400	**0.025**	**0.025**
08/02/08	0.026	**0.0154**	0.281	0.205	**10.4**	**3.10**	**0.0155**	**0.0155**	133		0.335	0.220	**0.00075**		0.105	0.0925	0.262	0.224	79.4	110	**0.155**	**0.155**	1200	**0.0031**	**0.0031**
09/16/08	0.0269	0.0299	0.243	0.249	**12.4**	**6.76**	**0.0155**	**0.0447**	375	431	0.133	0.137	**0.00357**		0.182		0.239	0.366	169	195	**0.155**	**0.155**	3900	**0.0031**	**0.0031**
Mean	0.026	0.024	0.36	0.24	19	8.0	0.0760	0.0420	380	530	0.330	0.220	0.00149	NA	0.210	0.21	0.280	0.380	310	380	0.130	0.170	3600	0.016	0.016
Median	0.025	0.025	0.25	0.25	10.4	10.0	0.0500	0.0500	400	500	0.250	0.250	0.000750	NA	0.250	0.25	0.300	0.300	150	300	0.155	0.155	4100	0.025	0.025
St. Deviation	0.001	0.005	0.24	0.02	18	3.0	0.0990	0.0150	170	120	0.220	0.0500	0.00147	NA	0.0600	0.08	0.0300	0.190	390	360	0.0800	0.0600	1400	0.012	0.012
# of values	5	5	5	5	5	5	5	5	5	4	5	5	5	0	5	4	5	5	5	5	5	5	5	5	5
Minimum	0.025	0.0154	0.243	0.205	10	3.10	0.0155	0.0155	133	431	0.133	0.137	0.000169	NA	0.105	0.0925	0.239	0.224	79.4	110	0.05	0.1	1200	0.0031	0.0031
Maximum	0.0269	0.0299	0.8	0.25	50	10	0.25	0.05	600	700	0.7	0.25	0.00357	NA	0.25	0.25	0.3	0.7	1000	1000	0.25	0.25	4600	0.025	0.025
% of values undetected	60%	60%	40%	60%	40%	80%	100%	80%	0%	0%	40%	60%	60%		60%	75%	60%	40%	60%	20%	100%	60%	0%	100%	100%
# of values between MDL and PQL	0	1	1	0	2	1	0	1	3	3	1	0	2		0	0	0	1	0	2	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.640	0.614	1000	1000	0.059	0.073	NA	NA	NA	NA	0.012	0.012	NA	NA	3.67	3.66	NA	NA	5	4.6	NA	0.018431915	0.016
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	20%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP112										
Sample Date										
08/09/07	**1800**	2000	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/05/07	**1900**	2000	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.2**	**1**	**1**
10/28/07	**1800**	2000	0.600	0.600	**0.25**	**0.05**	**0.1**	**0.1**	**1**	**5**
06/03/08	1760	1830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.718**	
08/02/08	1900	2110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.16
09/16/08	1830	1900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.55
Mean	1800	2000	0.119	0.119	0.0830	0.0500	0.260	0.140	0.800	1.90
Median	1800	2000	0.0280	0.0280	0.0500	0.0500	0.160	0.160	0.900	1.16
St. Deviation	100	100	0.237	0.237	0.0820	0	0.190	0.0400	0.200	1.70
# of values	6	6	6	6	6	6	6	6	6	5
Minimum	1760	1830	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	1
Maximum	1900	2110	0.600	0.600	0.25	0.05	0.5	0.2	1	5
% of values undetected	0%	0%	83%	83%	100%	100%	100%	83%	83%	60%
# of values between MDL and PQL	3	0	0	0	0	0	0	1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	26.13	25.77
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP113										
Sample Date										
08/09/07	**1300**	**1400**	**0.05**	0.500	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/05/07	**1500**	**1600**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.2**	**1**	**1**
10/21/07	**1200**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
08/02/08	583	600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.45	**0.50**
09/16/08	1190	1170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.48
Mean	1200	1200	0.0320	0.122	0.0500	0.0500	0.20	0.140	1.00	1.00
Median	1200	1400	0.0500	0.0500	0.0500	0.0500	0.16	0.155	1.00	1.00
St. Deviation	300	400	0.0250	0.213	0	0	0.17	0.0400	0.300	0.300
# of values	5	5	5	5	5	5	5	5	5	5
Minimum	583	600	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	0.50
Maximum	1500	1600	0.05	0.500	0.05	0.05	0.5	0.2	1.45	1.48
% of values undetected	0%	0%	100%	80%	100%	100%	100%	80%	80%	80%
# of values between MDL and PQL	3	3	0	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	8.40	8.28
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

2004-2008 Mine Study Area, Surface Water Analytical Results Summary- Seeps

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP114																					
Sample Date																					
08/10/07	8.19	3.46	12.17	91.6	82	109.6	1.07	41	90	50	**2.5**	**1**	41	0.24			**0.005**		**1.0**	**0.05**	**1.3**
09/06/07	8.16	3.46	10.04	75.5	84	191.5	0.15	41	85	50	**2.5**	**1**	47	0.22			**0.005**		**1.0**	**0.05**	**1.3**
Mean	8.18	0	11.11	83.6	83	150.6	1	41	88	50	2.5	1	44	0.23	NA	NA	0.005	NA	1.0	0.05	1.3
Median	8.18	0	11.11	83.6	83	150.6	1	41	88	50	2.5	1	44	0.23	NA	NA	0.005	NA	1.0	0.05	1.3
St. Deviation	0.02	0	1.510	11.4	1.0	57.90	1	0	4	0	0	0	4	0.01	NA	NA	0	NA	0	0	0
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	2	0	2	2	2
Minimum	8.16	3.46	10.04	75.5	82	109.6	0.15	41	85	50	2.5	1	41	0.22	NA	NA	0.005	NA	1.0	0.05	1.3
Maximum	8.19	3.46	12.17	91.6	84	191.5	1.07	41	90	50	2.5	1	47	0.24	NA	NA	0.005	NA	1.0	0.05	1.3
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			100%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		2	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP115																					
Sample Date																					
08/10/07	6.64	3.55	10.66	80.4	81	158.6	0.26	36	88	20	**2.5**	**1**	29	0.45			**0.01**		**1.0**	**0.05**	9.90
09/07/07	6.39	5.49	8.63	68.6	74	165.5	0.21	28	73	60	**2.5**	**1**	26	0.49			**0.005**		**1.3**	**0.05**	8.10
10/26/07	6.45	2.93	6.36	47.2	103	168.2	0.09	40	73	80	**8**	**1**	**16**	0.38			**0.01**		**0.9**	**0.05**	19.2
Mean	6.49	0	8.550	65.4	86	164.1	0	35	78	53	4.3	1	24	0.44	NA	NA	0.008	NA	1.1	0.05	12.4
Median	6.45	3.55	8.630	68.6	81	165.5	0.21	36	73	60	2.5	1	26	0.45	NA	NA	0.01	NA	1.0	0.05	9.90
St. Deviation	0.13	0	2.150	16.8	15	5.000	0.000	6	9	31	3.2	0	7	0.06	NA	NA	0.003	NA	0.2	0	6.00
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.39	2.93	6.36	47.2	74	158.6	0.09	28	73	20	2.5	1	16	0.38	NA	NA	0.005	NA	0.9	0.05	8.10
Maximum	6.64	5.49	10.66	80.4	103	168.2	0.26	40	88	80	8	1	29	0.49	NA	NA	0.01	NA	1.3	0.05	19.2
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	0%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	1	0			2		3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP114																									
Sample Date																									
08/10/07	**0.0025**	**0.0025**			**0.025**	**0.5**	5.0	**0.2**	**0.2**	2.7	2.5	4.4	5.30	**0.05**	**0.05**	**20**	**40**	2.30	2.10	**0.05**	**0.05**	13600	13900	**0.3**	0.60
09/06/07	**0.0025**	**0.0025**			**0.025**	14.0	**2.5**	**0.2**	**0.2**	2.3	2.4	4.8	3.50	**0.05**	**0.05**	**20**	**20**	2.30	1.80	**0.05**	**0.05**	13700	13800	0.600	**0.05**
Mean	0.0025	0.0025	NA	NA	0.025	7.25	3.8	0.2	0.2	2.5	2.5	4.6	4.40	0.05	0.05	20	30	2.30	1.95	0.05	0.05	13700	13900	0.450	0.33
Median	0.0025	0.0025	NA	NA	0.025	7.25	3.8	0.2	0.2	2.5	2.5	4.6	4.40	0.05	0.05	20	30	2.30	1.95	0.05	0.05	13700	13900	0.450	0.33
St. Deviation	0	0	NA	NA	0	9.55	1.8	0	0	0.3	0.1	0.3	1.27	0	0	0	14	0	0.21	0	0	100	100	0.212	0.39
# of values	2	2	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0025	0.0025	NA	NA	0.025	0.5	2.5	0.2	0.2	2.3	2.4	4.4	3.50	0.05	0.05	20	20	2.30	1.80	0.05	0.05	13600	13800	0.3	0.05
Maximum	0.0025	0.0025	NA	NA	0.025	14.0	5.0	0.2	0.2	2.7	2.5	4.8	5.30	0.05	0.05	20	40	2.30	2.10	0.05	0.05	13700	13900	0.600	0.60
% of values undetected	100%	100%			100%	50%	50%	100%	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	0%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	1.91	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.140	0.132	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP115																									
Sample Date																									
08/10/07	**0.0025**	**0.0025**			**0.025**	**0.5**	**3**	**0.2**	**0.2**	**0.9**	**0.25**	4.7		**0.05**	**0.05**	**20**	**20**	2.20	2.20	**0.05**	**0.05**	10200	10900	**0.05**	0.60
09/07/07	**0.0025**	**0.0025**			**0.39**	19.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	4.6	4.50	**0.05**	**0.05**	**20**	**20**	1.80	1.60	**0.05**	**0.05**	8500	8500	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	6.9	6.90	**0.05**	**0.05**	**20**	**20**	2.10	1.90	**0.05**	**0.05**	12400	12300	0.600	**0.25**
Mean	0.0025	0.0025	NA	NA	0.147	7.3	2.7	0.2	0.2	0.47	0.25	5.4	5.70	0.05	0.05	20	20	2.03	1.90	0.05	0.05	10400	10600	0.300	0.37
Median	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	0.25	0.25	4.7	5.70	0.05	0.05	20	20	2.10	1.90	0.05	0.05	10200	10900	0.250	0.25
St. Deviation	0	0	NA	NA	0.211	10.2	0.3	0	0	0.38	0	1.3	1.70	0	0	0	0	0.21	0.30	0	0	2000	1900	0.278	0.20
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	0.5	2.5	0.2	0.2	0.25	0.25	4.6	4.50	0.05	0.05	20	20	1.80	1.60	0.05	0.05	8500	8500	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.39	19.0	3	0.2	0.2	0.9	0.25	6.9	6.90	0.05	0.05	20	20	2.20	2.20	0.05	0.05	12400	12300	0.600	0.60
% of values undetected	100%	100%			67%	67%	67%	100%	100%	67%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.75	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.108	0.103	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP114																									
Sample Date																									
08/10/07	**0.025**	**0.025**	**0.25**	**0.7**	**30**	**20**	**0.05**	**0.05**	1300	**1400**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**300**	**0.05**	**0.05**	4800	**0.025**	**0.025**
09/06/07	**0.1**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1500	1500	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**1.5**	**0.3**	**300**	**150**	**0.1**	**0.1**	5000	**0.025**	**0.025**
Mean	0.06	0.025	0.25	0.5	20	15.0	0.0500	0.0500	1400	1500	0.250	0.250	0.000169	NA	0.250	0.250	0.900	0.300	230	230	0.0800	0.0800	4900	0.025	0.025
Median	0.06	0.025	0.25	0.5	20	15.0	0.0500	0.0500	1400	1500	0.250	0.250	0.000169	NA	0.250	0.250	0.900	0.300	230	230	0.0800	0.0800	4900	0.025	0.025
St. Deviation	0.05	0	0	0.3	14	7.0	0	0	100	100	0	0	0	NA	0	0	0.800	0	110	110	0.0400	0.0400	100	0	0
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1300	1400	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	4800	0.025	0.025
Maximum	0.1	0.025	0.25	0.7	30	20	0.05	0.05	1500	1500	0.25	0.25	0.000169	NA	0.25	0.25	1.5	0.3	300	300	0.1	0.1	5000	0.025	0.025
% of values undetected	50%	100%	100%	50%	50%	100%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	100%	50%	100%	50%	50%	0%	100%	100%
# of values between MDL and PQL	1	0	0	1	1	0	0	0	0	1	0	0	0		0	0	0	0	1	0	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.355	4.180	1000	1000	1.023	0.942	NA	NA	NA	NA	0.012	0.012	NA	NA	24.53	24.46	NA	NA	5	4.6	NA	0.875766264	0.744
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP115																									
Sample Date																									
08/10/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1900	2100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.2**	7900	**0.025**	**0.025**
09/07/07	**0.05**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.2**	1700	1700	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**1.5**	**0.3**	**400**	**600**	**0.05**	**0.1**	8300	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	2300	2300	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.6**	**0.3**	**600**	**700**	**0.25**	**0.25**	8400	**0.025**	**0.025**
Mean	0.033	0.025	0.25	0.25	15	10.0	0.0500	0.100	2000	2000	0.250	0.250	0.000946	NA	0.250	0.250	0.800	0.300	670	770	0.117	0.180	8200	0.025	0.025
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	1900	2100	0.250	0.250	0.000169	NA	0.250	0.250	0.600	0.300	600	700	0.0500	0.200	8300	0.025	0.025
St. Deviation	0.014	0	0	0	9	0	0	0.0870	300	300	0	0	0.00135	NA	0	0	0.620	0	310	210	0.115	0.0800	300	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1700	1700	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	400	600	0.05	0.1	7900	0.025	0.025
Maximum	0.05	0.025	0.25	0.25	25	10	0.05	0.2	2300	2300	0.25	0.25	0.00250	NA	0.25	0.25	1.5	0.3	1000	1000	0.25	0.25	8400	0.025	0.025
% of values undetected	67%	100%	100%	100%	100%	100%	100%	67%	0%	0%	100%	100%	100%		100%	100%	67%	100%	33%	33%	100%	33%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	0	0	0	1	0	0	0	0	0		0	0	1	0	2	2	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.220	3.091	1000	1000	0.652	0.634	NA	NA	NA	NA	0.012	0.012	NA	NA	18.20	18.14	NA	NA	5	4.6	NA	0.477040286	0.405
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP114										
Sample Date										
08/10/07	2200	**2300**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**2**	**1**
09/06/07	2300	2300	0.600	0.600	**0.05**	**0.05**	**0.5**	**0.4**	**5**	**1**
Mean	2300	2300	0.330	0.330	0.0500	0.0500	0.500	0.250	3.50	1.00
Median	2300	2300	0.330	0.330	0.0500	0.0500	0.500	0.250	3.50	1.00
St. Deviation	100	0	0.390	0.390	0	0	0	0.210	2.10	0
# of values	2	2	2	2	2	2	2	2	2	2
Minimum	2200	2300	0.05	0.05	0.05	0.05	0.5	0.1	2	1
Maximum	2300	2300	0.600	0.600	0.05	0.05	0.5	0.4	5	1
% of values undetected	0%	0%	50%	50%	100%	100%	50%	50%	50%	100%
# of values between MDL and PQL	0	1	0	0	0	0	1	1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	56.29	55.50
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP115										
Sample Date										
08/10/07	3200	3300	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**2**
09/07/07	3200	3200	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**5**
10/26/07	3600	3700	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	3300	3400	0.0500	0.0500	0.0500	0.0500	0.370	0.230	1.00	2.70
Median	3200	3300	0.0500	0.0500	0.0500	0.0500	0.500	0.100	1.00	2.00
St. Deviation	200	300	0	0	0	0	0.230	0.230	0	2.10
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	3200	3200	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	3600	3700	0.05	0.05	0.05	0.05	0.5	0.5	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	67%	100%	67%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	41.73	41.15
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP116																					
Sample Date																					
08/10/07	6.71	4.39	11.59	90	63	78.3	0.98	19.0	69.0	50.0	**2.5**	**1**	**15**	0.510			**0.02**		**1.0**	**0.05**	11.7
09/07/07	6.13	3.52	9.11	68.6	65	162.1	0.3	24.0	68.0	60.0	**2.5**	**1**	**15**	0.770			**0.01**		**1.2**	**0.05**	11.8
10/27/07	6.34	2.53	8.51	62.4	57	140.8	0.07	23.0	67.0	50.0	**2.5**	**1**	**10**	0.610			**0.02**		**0.9**	**0.05**	9.60
06/03/08	5.73	1.99	10.12	73.1	56	283.4	0.13	18.8	58.3	50.0	1.22	**6.89**	12.4	1.040			0.019		0.713	**0.054**	8.22
08/03/08	7.09	2.88	10.23	75.7	62	180.7	0.34	20.1	40.4	51.3	7.4	**4.84**	14.9	0.784			0.0663		0.416	**0.093**	8.96
09/16/08	6.26	4.51	9.7	75	66	220.9	0.17	22.6	69.5	57.5	**0.408**	**6.44**	16.8	0.669			0.0288		0.827	**0.071**	9.51
11/03/08	6.73	1.28	10.47	74.2	65	237.6	0.15	20.7	69.4	60.0	**0.163**	**3.98**	15.3	0.711			0.0272		0.729	**0.057**	9.93
Mean	6.43	3	9.960	74.1	62	186.3	0.3	21.2	63.1	54.0	2.4	3.59	14.2	0.728	NA	NA	0.027	NA	0.826	0.061	9.96
Median	6.34	2.88	10.12	74.2	63	180.7	0.17	20.7	68	51.3	2.5	3.98	15	0.711	NA	NA	0.02	NA	0.827	0.054	9.60
St. Deviation	0.45	1	0.9900	8.40	4.0	67.80	0.3	2	10.7	5.0	2.4	2.61	2.3	0.167	NA	NA	0.018	NA	0.247	0.016	1.34
# of values	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	5.73	1.28	8.51	62.4	56	78.3	0.07	18.8	40.4	50.0	0.163	1	10	0.510	NA	NA	0.01	NA	0.416	0.05	8.22
Maximum	7.09	4.51	11.59	90	66	283.4	0.98	24	69.5	60.0	7.4	6.89	16.8	1.040	NA	NA	0.0663	NA	1.2	0.093	11.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	43%	14%	0%			0%		0%	43%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	4	2	0			3		3	4	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP117																					
Sample Date																					
08/10/07	6.75	6.82	9.56	78.5	17	89.4	0.06	8	22	**10**	**2.5**	**1**	**8**	**0.03**			**0.04**		**0.8**	**0.05**	**0.8**
09/05/07	5.91	6.41	8.75	71	17	177.9	0.11	8	19	20	**2.5**	**1**	**7**	**0.01**			**0.005**		**0.9**	**0.05**	**0.8**
10/22/07	6.46	1.34	10.05	71.3	17	259	0.12	8	18	20	**2.5**	**1**	**10**	**0.07**			**0.01**		**0.9**	**0.05**	**1.0**
Mean	6.37	5	9.450	73.6	17	175.0	0.10	8	20	17	2.5	1	8.3	0.04	NA	NA	0.018	NA	0.87	0.05	0.87
Median	6.46	6.41	9.560	71.3	17	177.9	0.11	8	19	20	2.5	1	8	0.03	NA	NA	0.01	NA	0.9	0.05	0.8
St. Deviation	0.43	3	0.6600	4.20	0.000	85.00	0.000	0	2	6	0	0	1.5	0.03	NA	NA	0.019	NA	0.06	0	0.12
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	5.91	1.34	8.75	71	17	89.4	0.06	8	18	10	2.5	1	7	0.01	NA	NA	0.005	NA	0.8	0.05	0.8
Maximum	6.75	6.82	10.05	78.5	17	259	0.12	8	22	20	2.5	1	10	0.07	NA	NA	0.04	NA	0.9	0.05	1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	33%	33%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	0	0	2	2			2		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP116																									
Sample Date																									
08/10/07	**0.0025**	**0.0025**			**0.025**	11.0	5	**0.2**	**0.2**	**0.25**	**0.25**	1.70		**0.05**	**0.05**	**20**	**100**	1.60	1.70	**0.05**	**0.05**	6800	6000	**0.05**	0.500
09/07/07	**0.0025**	**0.0025**			**0.025**	8.00		**0.2**	**0.2**	**0.25**	**0.25**	1.50		**0.05**	**0.05**	**20**	**20**	**0.5**	1.20	**0.05**	**0.05**	6800	7200	**0.25**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	**15**	**5**	**0.2**	**0.2**	**0.25**	**0.25**	3.00	3.40	**0.05**	**0.05**	**20**	**20**	1.60	**1**	**0.05**	**0.05**	7000	6900	**0.25**	**0.25**
06/03/08	**0.00075**	0.0017			0.246	20.1	6.99	**0.0075**	**0.0075**	**0.155**	**0.155**	1.84	1.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5460	5450	0.143	0.316
08/03/08	**0.00075**	**0.00075**			**0.0155**	319	4.51	**0.0075**	**0.0075**	**0.155**	**0.155**	2.39	2.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5880	7060	0.302	0.351
09/16/08	**0.00075**	**0.00075**			**0.050**	11.7	2.79	**0.0075**	**0.0075**	**0.155**	**0.155**	1.70		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6620	6670	0.307	0.299
11/03/08	**0.00075**	**0.00075**			**0.050**	5.58	3.53	**0.0075**	**0.0075**	**0.155**	**0.155**	1.55	1.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6150	6470	**0.050**	
Mean	0.0015	0.0016	NA	NA	0.062	55.8	4.64	0.09	0.09	0.196	0.196	2	2.40	0.0286	0.0286	8.5757	20.0043	1.24	1.27	0.0257	0.0257	6390	6540	0.193	0.328
Median	0.00075	0.0017	NA	NA	0.025	11.7	4.76	0.0075	0.0075	0.155	0.155	1.7	2.20	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6620	6670	0.25	0.308
St. Deviation	0.00094	0.0009	NA	NA	0.082	116.2	1.45	0.1029	0.1029	0.051	0.051	0.5	0.80	0.02	0.02	10.6864	36.5121	0.37	0.21	0.0227	0.0227	570	620	0.112	0.093
# of values	7	7	0	0	7	7	6	7	7	7	7	7	4	7	7	7	7	7	7	7	7	7	7	7	6
Minimum	0.00075	0.00075	NA	NA	0.0155	5.58	2.79	0.0075	0.0075	0.155	0.155	1.5	1.77	0.0125	0.0125	0.0075	0.0075	0.50	1	0.0075	0.0075	5460	5450	0.050	0.25
Maximum	0.0025	0.0025	NA	NA	0.246	319	6.99	0.2	0.2	0.25	0.25	3	3.40	0.05	0.05	20	100	1.60	1.70	0.05	0.05	7000	7200	0.307	0.500
% of values undetected	100%	86%			86%	14%	17%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	71%	71%	100%	100%	0%	0%	57%	33%
# of values between MDL and PQL	0	1			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.079	0.077	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP117																									
Sample Date																									
08/10/07	**0.0025**	**0.0025**			**0.025**	16.0	21	**0.2**	**0.2**	**0.25**	**0.25**	2.2		**0.05**	**0.05**	**20**	**20**	1.40	1.20	**0.05**	**0.05**	2100	2600	**0.05**	0.4
09/05/07	**0.0025**	**0.0025**			**0.025**	33.0	20	**0.2**	**0.2**	**0.25**	**0.25**	2.3	2.20	**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	2200	2700	**0.25**	**0.25**
10/22/07	**0.0025**	**0.0025**			**0.15**	35.0	25	**0.2**	**0.2**	**0.25**	**0.25**	1.8		**0.05**	**0.05**	**20**	**20**	**0.25**	**0.5**	**0.05**	**0.05**	1900	2500	**0.25**	**0.25**
Mean	0.0025	0.0025	NA	NA	0.067	28.0	22	0.2	0.2	0.25	0.25	2.1	2.20	0.05	0.05	20	20	0.72	0.73	0.05	0.05	2100	2600	0.18	0.30
Median	0.0025	0.0025	NA	NA	0.025	33.0	21	0.2	0.2	0.25	0.25	2.2	2.20	0.05	0.05	20	20	0.50	0.50	0.05	0.05	2100	2600	0.25	0.25
St. Deviation	0	0	NA	NA	0.072	10.4	3	0	0	0	0	0.3	NA	0	0	0	0	0.60	0.40	0	0	200	100	0.12	0.09
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	16.0	20	0.2	0.2	0.25	0.25	1.8	2.20	0.05	0.05	20	20	0.25	0.5	0.05	0.05	1900	2500	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.15	35.0	25	0.2	0.2	0.25	0.25	2.3	2.20	0.05	0.05	20	20	1.40	1.20	0.05	0.05	2200	2700	0.25	0.4
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	67%	67%	100%	100%	0%	0%	100%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.96	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.042	0.042	NA	NA	10.8901926	9.365565635
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP116																									
Sample Date																									
08/10/07	**0.025**	**0.025**	**1**	**1.1**	50	**50**	**0.05**	**0.05**	1300	**1000**	**2.2**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.2**	**0.3**	9800	**0.025**	**0.025**
09/07/07	**0.06**	**0.13**	**0.8**	**0.6**	**10**	**25**	**0.05**	**0.05**	1400	1500	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**600**	**0.3**	**0.3**	9900	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**0.6**	**0.8**	**10**	**10**	**0.05**	**0.25**	1300	1400	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**600**	**500**	**0.25**	**0.25**	9400	**0.15**	**0.05**
06/03/08	**0.0182**	**0.0153**	1.13	1.02	22.5	**12.6**	**0.0155**	**0.0782**	1250	1230	1.82	1.01	**0.00075**		0.133	0.128	0.315	0.511	450	461	**0.155**	**0.155**	8350	**0.0031**	**0.0031**
08/03/08	0.166	**0.016**	3.41	0.859	205	**16.1**	**0.0592**	**0.0155**	1310	1440	9.58	0.393	**0.00175**		0.281	0.187	0.568	0.522	430	525	**0.155**	**0.155**	10200	0.027	**0.0065**
09/16/08	**0.0148**	**0.0144**	1.31	0.784	**16.9**	**15**	**0.0155**	**0.0155**	1480	1480	1.80	0.331	**0.0025**		0.177		0.402	0.515	599	605	**0.155**	**0.155**	9460	**0.0031**	**0.0031**
11/03/08	**0.0133**	**0.0166**	0.69	0.715	20.2	**17.3**	**0.0155**	**0.0155**	1310	1490	0.476	0.272	**0.00336**		0.190	0.147	0.401		414	449	**0.155**	**0.155**	10200	**0.0031**	**0.0031**
Mean	0.046	0.035	1.28	0.840	47.8	21.0	0.0365	0.0678	1340	1360	2.30	0.394	0.00190	NA	0.220	0.200	0.369	0.410	570	591	0.196	0.210	9620	0.034	0.017
Median	0.025	0.0166	1	0.8	20.2	16.1	0.0500	0.0500	1310	1440	1.80	0.272	0.00250	NA	0.250	0.220	0.315	0.410	500	525	0.155	0.155	9800	0.025	0.0065
St. Deviation	0.0552	0.042	0.97	0.172	70.6	14.0	0.0199	0.0838	80	180	3.30	0.277	0.00110	NA	0.0500	0.0600	0.0990	0.120	200	190	0.0580	0.0710	640	0.052	0.018
# of values	7	7	7	7	7	7	7	7	7	7	7	7	7	0	7	6	7	6	7	7	7	7	7	7	7
Minimum	0.0133	0.0144	0.6	0.6	10	10	0.0155	0.0155	1250	1000	0.25	0.25	0.000169	NA	0.133	0.128	0.3	0.3	414	449	0.155	0.155	8350	0.0031	0.0031
Maximum	0.166	0.13	3.41	1.1	205	50	0.0592	0.25	1480	1500	9.58	1.01	0.00336	NA	0.281	0.25	0.568	0.522	1000	1000	0.3	0.3	10200	0.15	0.05
% of values undetected	29%	29%	0%	0%	29%	43%	86%	86%	0%	0%	29%	43%	57%		43%	50%	43%	50%	14%	14%	71%	71%	0%	86%	86%
# of values between MDL and PQL	4	5	3	3	1	4	1	1	0	1	1	0	3		0	0	0	0	2	2	2	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.243	2.153	1000	1000	0.381	0.394	NA	NA	NA	NA	0.012	0.012	NA	NA	12.72	12.68	NA	NA	5	4.6	NA	0.230320016	0.196
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP117																									
Sample Date																									
08/10/07	**0.025**	**0.025**	**0.25**	**0.6**	**10**	**10**	**0.05**	**0.05**	**100**	**300**	**0.25**	**0.25**	**0.000460**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3600	**0.025**	**0.025**
09/05/07	**0.025**	**0.07**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**200**	**400**	**0.25**	**0.5**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4100	**0.025**	**0.025**
10/22/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.25**	**200**	**400**	**1.5**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3600	**0.025**	**0.025**
Mean	0.025	0.04	0.25	0.37	20	10.0	0.0500	0.12	170	370	0.670	0.330	0.00104	NA	0.250	0.250	0.300	0.300	150	150	0.0500	0.0500	3800	0.025	0.025
Median	0.025	0.025	0.25	0.25	25	10.0	0.0500	0.05	200	400	0.250	0.250	0.000460	NA	0.250	0.250	0.300	0.300	150	150	0.0500	0.0500	3600	0.025	0.025
St. Deviation	0	0.026	0	0.2	9	0	0	0.12	60	60	0.720	0.140	0.00127	NA	0	0	0	0	0	0	0	0	300	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	100	300	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	3600	0.025	0.025
Maximum	0.025	0.07	0.25	0.6	25	10	0.05	0.25	200	400	1.5	0.5	0.00250	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	4100	0.025	0.025
% of values undetected	100%	67%	100%	67%	100%	100%	100%	100%	33%	0%	100%	67%	67%		100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	1	0	1	0	0	0	0	2	3	0	1	1		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.078	1.035	1000	1000	0.128	0.148	NA	NA	NA	NA	0.012	0.012	NA	NA	6.16	6.14	NA	NA	5	4.6	NA	0.052688369	0.045
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP116										
Sample Date										
08/10/07	3500	**3000**	**0.05**	0.500	**0.05**	**0.05**	**0.5**	**0.2**	**2**	**3**
09/07/07	3500	3600	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/27/07	3700	3600	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
06/03/08	3210	3180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.966**	1.45
08/03/08	3320	3590	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.98	
09/16/08	3630	3500	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.37	1.30
11/03/08	3200	3680	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.70	2.16
Mean	3400	3500	0.0529	0.117	0.0500	0.0500	0.189	0.203	1.40	2.00
Median	3500	3590	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.37	2.00
St. Deviation	200	300	0.0895	0.191	0	0	0.140	0.134	0.500	1.00
# of values	7	7	7	7	7	7	7	7	7	6
Minimum	3200	3000	0.0050	0.0050	0.050	0.050	0.1	0.1	0.966	1
Maximum	3700	3680	0.25	0.500	0.05	0.05	0.5	0.5	2	5
% of values undetected	0%	0%	100%	86%	100%	100%	100%	86%	29%	33%
# of values between MDL and PQL	0	1	0	0	0	0	0	1	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	29.15	28.74
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP117										
Sample Date										
08/10/07	**1300**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/05/07	**1400**	**1500**	**0.25**	0.700	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
10/22/07	**1200**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1300	1400	0.117	0.267	0.0500	0.0500	0.230	0.230	1.00	1.00
Median	1300	1400	0.0500	0.0500	0.0500	0.0500	0.100	0.100	1.00	1.00
St. Deviation	100	100	0.115	0.375	0	0	0.230	0.230	0	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1200	1400	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1400	1500	0.25	0.700	0.05	0.05	0.5	0.5	1	1
% of values undetected	0%	0%	100%	67%	100%	100%	100%	67%	100%	100%
# of values between MDL and PQL	3	3	0	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	14.10	13.90
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP118																					
Sample Date																					
08/10/07	6.32	7.84	11.38	95.7	13	104.7	0.63	**6**	16	**10**	**2.5**	**1**	**5**	**0.04**			**0.005**		**0.7**	**0.05**	**0.7**
09/05/07	5.66	7.33	8.65	71.9	15	171	0.21	8.0	17	30	**2.5**	**1**	**6**	**0.05**			**0.005**		**0.8**	**0.05**	**0.8**
10/27/07	6.10	0.83	9.89	69.2	12	148.1	0.21	**3.5**	15	20	**2.5**	**1**	**10**	**0.04**			**0.005**		**0.9**	**0.05**	**0.25**
Mean	6.03	5	9.970	78.9	13	141.3	0.4	5.8	16	20	2.5	1	7	0.04	NA	NA	0.005	NA	0.8	0.05	0.58
Median	6.1	7.33	9.890	71.9	13	148.1	0.21	6	16	20	2.5	1	6	0.04	NA	NA	0.005	NA	0.8	0.05	0.7
St. Deviation	0.34	4	1.370	14.6	2.0	33.70	0.2	2.3	1	10	0	0	2.6	0.01	NA	NA	0	NA	0.1	0	0.29
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	5.66	0.83	8.65	69.2	12	104.7	0.21	3.5	15	10	2.5	1	5	0.04	NA	NA	0.005	NA	0.7	0.05	0.25
Maximum	6.32	7.84	11.38	95.7	15	171	0.63	8	17	30	2.5	1	10	0.05	NA	NA	0.005	NA	0.9	0.05	0.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	100%	100%	33%	0%			100%		0%	100%	33%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	1	0	0	2	3			0		3	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP1205																					
Sample Date																					
07/20/05	7.46	2.87	10.91	80.6	104	183.5	1.79	47.1	105	77.5	**0.404**	**0.785**	46.5	0.777			0.117		0.827	**0.05**	3.08
08/23/05	7.60	3.04	10.89	80.7	103	151.1	0.37														
10/06/05	7.53	3.14	9.74	72.6	95	212.6	0.19	45.5	95.0	61.0	2.44	**0.785**	43.5	0.439			**0.013**		0.827	**0.05**	3.19
03/17/06	7.55	2.56	8.36	61	108	-78.5	0.26	45.7	105	66.2	1.8	**4.5**	14.0	1.240			**0.008**		0.839	**0.0155**	3.99
06/29/06	7.00	2.75	10.57	78	97	-94	0.14	44.1	80.0	66.2	5.11	**0.785**	46.0	0.479	**0.0155**	0.454	0.0180	**0.05** J	0.834	**0.0650**	3.06
08/26/06	6.88	3.58	9.68	72.3	94	178.2	0.11	43.2	85.0	76.3	**0.300**	**4.25**	45.0	0.389	**0.0155**	0.382	**0.0046**	**0.0155**	0.824	**0.0660**	3.09
10/05/06	7.55	3.00	9.29	69.1	99	206.4	0.09	43.4	90.0	67.5	**0.316**	**1.57**	44.0	0.377	**0.0155**	0.356	0.0130		0.840	**0.0600**	3.33
03/25/07	7.50	2.81	11.54	86.7	105	163.1	0.77	47.7	90.0	61.2	**0.842**	**1.57**	49.0	0.465	**0.0155**	0.436	**0.0080**	**0.05** J	0.880	**0.0500**	3.31
05/25/07	7.49	2.74	12.4	91.5	108	86.4	0.14	44.9	100	68.8	**0.1745**	**1.57**	47.5	0.464			0.0260		0.857	**0.0580**	3.24
08/04/07	7.38	2.87	10.73	79.4	100	210.1	1.26	46.0	108	70.0	**2.5**	**1**	48.0	0.470			**0.01**		**1.3**	**0.05**	3.30
09/08/07	7.46	2.97	9.2	68.3	103	202.5	0.07	49.0	106	70.0	**2.5**	**1**	49.0	0.460			**0.005**		**1.0**	**0.05**	3.40
10/20/07								44.0	96.0	60.0	**2.5**	**1**	44.0	0.490			**0.01**		**1.0**	**0.05**	**2.9**
10/23/07	6.72	2.80	12.12	89.6	88	116.2	0.09														
Mean	7.34	3	10.50	77.5	100.0	128.1	0.4	45.5	96	67.7	1.72	1.71	43.0	0.550	0.0155	0.407	0.021	0.04	0.912	0.051	3.26
Median	7.48	3	10.70	78.7	102.0	170.7	0.2	45.5	96	67.5	1.8	1	46.0	0.465	0.0155	0.409	0.01	0.05	0.840	0.05	3.24
St. Deviation	0.3	0	1.200	9.20	6.0	107.3	0.6	1.8	9	5.8	1.51	1.36	10.0	0.252	0	0.046	0.032	0.02	0.145	0.013	0.28
# of values	12	12	12	12	12	12	12	11	11	11	11	11	11	11	4	4	11	3	11	11	11
Minimum	6.72	2.56	8.36	61	88	-94	0.07	43.2	80	60.0	0.1745	0.785	14.0	0.377	0.0155	0.356	0.0046	0.0155	0.824	0.0155	2.90
Maximum	7.6	3.58	12.4	91.5	108	212.6	1.79	49	108	77.5	5.11	4.5	49.0	1.240	0.0155	0.454	0.117	0.050	1.3	0.066	3.99
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	82%	0%	0%	100%	0%	9%	100%	0%	55%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	6	0	3	5	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP118																									
Sample Date																									
08/10/07	**0.0025**	0.025			**0.025**	20.0	23	**0.2**	**0.2**	**0.25**	**0.25**	1.3		**0.05**	**0.05**	**20**	**20**	1.30	1.30	**0.05**	**0.05**	1500	2100	**0.1**	0.60
09/05/07	**0.0025**	**0.0025**			**0.025**	33.0	35	**0.2**	**0.2**	**0.25**	**0.25**	1.5	1.70	**0.05**	**0.05**	**20**	**20**	1.20	**0.5**	**0.05**	**0.05**	1700	2500	**0.05**	**0.25**
10/27/07	**0.015**	**0.0025**			**0.025**	38.0	23	**0.2**	**0.2**	**0.25**	**0.25**	2.5	1.40	**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	1300	1300	**0.25**	**0.05**
Mean	0.0067	0.01	NA	NA	0.025	30.3	27	0.2	0.2	0.25	0.25	1.8	1.60	0.05	0.05	20	20	1.00	0.77	0.05	0.05	1500	2000	0.13	0.30
Median	0.0025	0.0025	NA	NA	0.025	33.0	23	0.2	0.2	0.25	0.25	1.5	1.60	0.05	0.05	20	20	1.20	0.50	0.05	0.05	1500	2100	0.1	0.25
St. Deviation	0.0072	0.013	NA	NA	0	9.30	7	0	0	0	0	0.6	0.20	0	0	0	0	0.44	0.46	0	0	200	600	0.1	0.28
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	20.0	23	0.2	0.2	0.25	0.25	1.3	1.40	0.05	0.05	20	20	0.5	0.50	0.05	0.05	1300	1300	0.05	0.05
Maximum	0.015	0.025	NA	NA	0.025	38.0	35	0.2	0.2	0.25	0.25	2.5	1.70	0.05	0.05	20	20	1.3	1.30	0.05	0.05	1700	2500	0.25	0.60
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	33%	67%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.02	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.024	0.025	NA	NA	5.855129022	5.035410959
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1205																									
Sample Date																									
07/20/05	**0.00125**	**0.00125**			**0.0155**	10.9	3.45	0.126	0.13	6.36	6.78	3.79	4.00	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	15400	16000	0.989	1.080
08/23/05																									
10/06/05	**0.00125**	**0.00125**			**0.043**	6.75	**1.99**	0.128	0.132	6.38	5.89	3.67	3.47	**0.0075**	**0.0075**	**0.00155**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	15000	13800	1.140	0.893
03/17/06	**0.00125**	**0.00125**			**0.057**	18.8	2.87	0.119	0.106	4.02	4.32	4.67	4.95	**0.012**	**0.012**	**0.0075**	**0.0075**	**0.75**	**2.5**	**0.0125**	**0.0125**	14700	15900	0.956	0.950
06/29/06	**0.0025**	**0.00075**			**0.0155**	67.8	2.09	0.155	0.158	7.20	6.62	4.23	4.07	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.64**	**1.90**	**0.0125**	**0.0125**	14500	14500	1.420	1.260
08/26/06	**0.0025**	**0.00075**			**0.0155**	78.8	4.13	0.136	0.133	5.16	4.07	5.39	4.74	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	13900	13800	0.845	0.723
10/05/06	**0.00075**	**0.0020**			**0.050**	2.17	2.04	0.118	0.155	5.62	6.04	3.58	4.19	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	14600	13800	0.574	0.710
03/25/07	**0.00075**	**0.00075**			**0.0155**	11.5	2.41	0.158	0.181	6.13	6.08	4.46	4.23	**0.0125**	**0.0125**	**0.0075**	**0.0152**	**1.25**	**1.25**	**0.0075**	**0.0075**	15500	14400	0.799	0.656
05/25/07	**0.00075**	**0.00075**			**0.0155**	2.70	**1.00**	0.164	0.159	5.87	5.66	4.08	4.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	14700	14900	0.663	0.705
08/04/07	**0.0025**	0.015			**0.025**	**3**	7.00	**0.2**	**0.2**	6.10	6.90	4.10	4.70	**0.05**	**0.05**	**20**	**20**	1.60		**0.05**	**0.05**	16500	15200	1.000	0.600
09/08/07	**0.0025**	**0.0025**			**0.025**	15.0	**2.5**	**0.2**	**0.2**	6.10	6.00	4.10	4.60	**0.05**	**0.05**	**20**	**20**	2.60	2.10	**0.05**	**0.05**	16500	16000	**0.05**	**0.25**
10/20/07	**0.0025**	**0.0025**			**0.15**	9.00	8.00	**0.2**	**0.2**	5.90	5.20	4.60	5.50	**0.05**	**0.05**	**20**	**20**	**0.5**	1.50	**0.05**	**0.05**	14000	14600	0.600	**0.25**
10/23/07																									
Mean	0.0017	0.0026	NA	NA	0.039	20.6	3.41	0.155	0.159	5.89	5.78	4.24	4.49	0.022	0.022	5.4589	5.4599	1.69	1.96	0.022	0.022	15000	14800	0.821	0.734
Median	0.00125	0.00125	NA	NA	0.025	10.9	2.5	0.155	0.158	6.10	6.00	4.10	4.60	0.0125	0.0125	0.0075	0.0075	1.25	1.53	0.0125	0.0125	14700	14600	0.845	0.710
St. Deviation	0.0008	0.0042	NA	NA	0.04	26.7	2.19	0.033	0.033	0.80	0.93	0.52	0.56	0.018	0.018	9.3392	9.3385	1.22	1.15	0.0184	0.0184	900	900	0.356	0.310
# of values	11	11	0	0	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	11	11	11	11	11	11
Minimum	0.00075	0.00075	NA	NA	0.0155	2.17	1.00	0.118	0.106	4.02	4.07	3.58	3.47	0.0075	0.0075	0.00155	0.00155	0.50	1.25	0.0075	0.0075	13900	13800	0.05	0.25
Maximum	0.0025	0.015	NA	NA	0.15	78.8	8.00	0.2	0.2	7.20	6.90	5.39	5.50	0.05	0.05	20	20	5	5	0.05	0.05	16500	16000	1.420	1.260
% of values undetected	100%	91%			82%	0%	18%	27%	27%	0%	0%	0%	0%	100%	100%	100%	91%	73%	70%	100%	100%	0%	0%	9%	18%
# of values between MDL and PQL	0	1			2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.28	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.146	0.137	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	9%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP118																									
Sample Date																									
08/10/07	**0.025**	**0.025**	**0.25**	0.7	50	**10**	0.05	**0.05**	**100**	300	**0.25**	**0.25**	0.000495		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	2900	0.025	0.025
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	30	**10**	0.05	0.1	200	400	**0.25**	**0.25**	0.00154		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3200	0.025	0.025
10/27/07	**0.025**	**0.025**	**0.25**	1	**10**	**10**	0.05	0.25	**100**	**100**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	300	300	**0.05**	**0.05**	2600	0.025	0.025
Mean	0.025	0.025	0.25	0.65	30	10.0	0.0500	0.130	130	270	0.250	0.250	0.00151	NA	0.250	0.250	0.300	0.300	200	200	0.0500	0.0500	2900	0.025	0.025
Median	0.025	0.025	0.25	0.7	30	10.0	0.0500	0.100	100	300	0.250	0.250	0.00154	NA	0.250	0.250	0.300	0.300	150	150	0.0500	0.0500	2900	0.025	0.025
St. Deviation	0	0	0	0.38	20	0	0	0.100	60	150	0	0	0.00100	NA	0	0	0	0	90.0	90.0	0	0	300	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	100	100	0.25	0.25	0.000495	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	2600	0.025	0.025
Maximum	0.025	0.025	0.25	1	50	10	0.05	0.25	200	400	0.25	0.25	0.00250	NA	0.25	0.25	0.3	0.3	300	300	0.05	0.05	3200	0.025	0.025
% of values undetected	100%	100%	100%	33%	33%	100%	100%	67%	67%	33%	100%	100%	33%		100%	100%	100%	100%	67%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	2	1	0	0	1	1	2	0	0	2		0	0	0	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.564	0.542	1000	1000	0.049	0.062	NA	NA	NA	NA	0.012	0.012	NA	NA	3.24	3.23	NA	NA	5	4.6	NA	0.014313102	0.012
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA
% of CALC exceedences	0%	0%	0%	67%	0%	0%	100%	67%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1205																									
Sample Date																									
07/20/05	0.0242	0.0264	0.116	0.188	**10**	**10**	**0.0155**	**0.05**	2070	2150	0.41	**0.1**	**0.0025**		0.462	0.485	0.537	0.613	574	603	**0.0775**	**0.0775**	5930	**0.0031**	**0.0031**
08/23/05																									
10/06/05	0.0350	0.0442	0.134	0.181	14.1	**10**	**0.0155**		1940	1720	0.244	**0.1**	**0.000450**		0.452	0.387	0.508		539	525	**0.0775**	**0.0775**	6530	**0.0031**	**0.0031**
03/17/06	0.0240	0.0296	0.120	0.161	11.8	3.1	**0.025**		2190	2360	0.539	0.0634	**0.000475**		0.568	0.622	0.392		492	539	**0.155**	**0.155**	5110	**0.0031**	**0.0031**
06/29/06	0.0666	0.0484	0.263	0.233	58.0	10.7	1.52	0.678	1870	1920	3.44	0.115	**0.000475**		0.409	0.412	0.825		568	586	**0.155**	**0.155**	6570	**0.0031**	**0.0031**
08/26/06	0.0422	0.0298	0.224	0.259	80.5	34.1	0.507	0.105	2080	2260	2.40	0.0878	**0.000475**		0.473	0.492	0.431	0.307	549	508	**0.155**	**0.155**	6640	**0.0031**	**0.0031**
10/05/06	0.0218	0.0270	**0.050**	0.161	44.5	37.1	0.185	0.228	1690	1830	**0.0250**		**0.000475**		0.420	0.494	0.335	0.422	491	533	**0.155**	**0.155**	5750	**0.0031**	**0.0031**
03/25/07	0.0232		0.114		13.2	3.10	**0.0155**	**0.050**	2180	2140	0.357		**0.000169**		0.507	0.499	0.628		550	535	**0.155**	**0.155**	6350	**0.0031**	**0.0031**
05/25/07	0.0198	0.0238	0.122	0.159	43.3	34.5	**0.0155**	**0.0155**	2030	1990	**0.0250**		**0.000169**		0.475	0.489	0.376	0.487	522	543	**0.155**	**0.155**	5660	**0.0031**	**0.0031**
08/04/07	0.07	0.06	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1900	2000	**0.25**	**0.25**	**0.000169**		0.6	0.6	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	6200	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	2100	2100	**0.25**	**0.25**	**0.00250**		**1.5**	**0.25**	**0.3**	**0.3**	600	700	**0.05**	**0.05**	6000	**0.025**	**0.025**
10/20/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1800	1900	**0.25**	**0.25**	0.000415		**0.25**	**0.25**	**0.3**	**0.3**	500	600	**0.05**	**0.05**	6500	**0.025**	**0.025**
10/23/07																									
Mean	0.0343	0.0339	0.172	0.209	27.8	16.0	0.223	0.142	1990	2030	0.740	0.150	0.000752	NA	0.556	0.453	0.448	0.390	580	529	0.112	0.112	6110	0.0091	0.0091
Median	0.0250	0.0283	0.134	0.211	13.2	10.0	0.0500	0.0500	2030	2000	0.250	0.110	0.000475	NA	0.473	0.489	0.392	0.307	549	539	0.155	0.155	6200	0.0031	0.0031
St. Deviation	0.0180	0.0125	0.076	0.043	24.8	13.0	0.455	0.210	160	190	1.11	0.0800	0.000874	NA	0.326	0.121	0.165	0.123	144	137	0.0500	0.0500	480	0.010	0.010
# of values	11	10	11	10	11	11	11	9	11	11	11	8	11	0	11	11	11	7	11	11	11	11	11	11	11
Minimum	0.0198	0.0238	0.050	0.159	10	3.10	0.0155	0.0155	1690	1720	0.0250	0.0634	0.000169	NA	0.25	0.25	0.3	0.3	491	150	0.05	0.05	5110	0.0031	0.0031
Maximum	0.07	0.06	0.263	0.259	80.5	37.1	1.52	0.678	2190	2360	3.44	0.25	0.00250	NA	1.5	0.622	0.825	0.613	1000	700	0.155	0.155	6640	0.025	0.025
% of values undetected	18%	20%	36%	30%	36%	64%	73%	67%	0%	0%	45%	63%	91%		18%	18%	27%	43%	9%	9%	100%	100%	0%	100%	100%
# of values between MDL and PQL	2	1	0	0	3	2	0	0	0	0	0	0	1		1	1	0	0	2	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.563	4.380	1000	1000	1.096	1.001	NA	NA	NA	NA	0.012	0.012	NA	NA	25.69	25.62	NA	NA	5	4.6	NA	0.961964753	0.818
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP118										
Sample Date										
08/10/07	**1000**	**1200**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/05/07	**1200**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
10/27/07	**1100**	**1100**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	1100	1200	0.0500	0.0500	0.0500	0.0500	0.230	0.100	1.00	2.30
Median	1100	1200	0.0500	0.0500	0.0500	0.0500	0.100	0.100	1.00	1.00
St. Deviation	100	200	0	0	0	0	0.230	0	0	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1000	1100	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1200	1400	0.05	0.05	0.05	0.05	0.5	0.1	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%
# of values between MDL and PQL	3	3	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	7.42	7.31
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1205										
Sample Date										
07/20/05	2810	2900	**0.0031**	**0.0031**	**0.031**	**0.031**	1.29	1.45	10.9	3.40
08/23/05										
10/06/05	2660	2370	**0.0031**	**0.0031**	**0.031**	**0.031**	1.11	0.871	3.18	**0.954**
03/17/06	2780	3090	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.571	0.799	0.879	
06/29/06	2580	2640	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.910	1.12	2.06	1.66
08/26/06	2740	3040	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.742**	**0.586**	1.69	2.56
10/05/06	2280	2470	**0.0050**	**0.0114**	**0.050**	**0.050**	**0.805**	**0.579**	**0.50**	
03/25/07	2850	2800	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.802**	**0.886**	1.52	
05/25/07	2590	2560	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.821**	**0.826**	**0.50**	
08/04/07	2500	2600	**0.3**	**0.3**	**0.05**	**0.05**	1.10	1.30	**1**	**1**
09/08/07	2800	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.9**	1.00	**5**	**1**
10/20/07	2400	2600	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	1.10	**1**	**5**
10/23/07										
Mean	2640	2720	0.0392	0.0398	0.0400	0.0400	0.868	0.956	2.57	2.20
Median	2660	2640	0.00500	0.00500	0.0500	0.0500	0.821	0.886	1.52	1.66
St. Deviation	180	230	0.0884	0.0882	0.0140	0.0140	0.233	0.273	3.07	1.50
# of values	11	11	11	11	11	11	11	11	11	7
Minimum	2280	2370	0.0025	0.0025	0.0155	0.0155	0.5	0.579	0.50	0.954
Maximum	2850	3090	0.3	0.3	0.05	0.05	1.29	1.45	10.9	5
% of values undetected	0%	0%	91%	82%	100%	100%	9%	0%	45%	43%
# of values between MDL and PQL	0	0	1	2	0	0	5	4	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	58.95	58.13
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP1305																					
Sample Date																					
03/18/05	8.63	3.10	13.57	101.1	131		0.7														
07/19/05	6.85	3.23			131	-119.1	0.02	13.3	130	87.5	0.2	**0.785**	60.0	0.301			0.061		0.798	**0.0155**	5.65
08/21/05	7.93	3.25	8.1	60.6	130	123.2	0.61														
10/06/05	7.77	3.34	9.47	71	130	215.4	0.23	66.6	135	82.0	**0.0775**	**0.785**	60.0	0.220			**0.0057**		0.774	**0.05**	6.37
03/17/06	7.52	3.15	7.77	58	130	-173.4	0.13	56.9	120	67.5	3.6	**0.785**	63.0	0.203			0.033		0.784	**0.0155**	6.64
06/29/06	6.47	3.19	10.14	75.8	134	-30	0.18	58.8	125	76.2	**0.300**	**0.785**	63.0	0.145	**0.0155**	0.115	**0.0050**	**0.05** J	0.787	**0.0560**	6.34
08/26/06	7.67	3.30	9.18	68.8	129	119	0.06	60.8	125	102	0.500	**1.57**	61.0	0.163	**0.0155**	0.163	**0.00155**	**0.05** J	0.781	**0.0490**	6.08
10/05/06	8.01	3.26	8.42	63	127	182	0.05	57.4	120	53.8	0.729	**1.57**	64.0	0.167	**0.0155**	0.147	**0.00155**	**0.05** J	0.786	**0.0510**	5.85
03/25/07	7.64	3.24	10.19	76.2	123	152.3	0.35	62.0	130	156	7.58	**1.57**	61.0	0.204	**0.050**	0.172	0.0120	**0.05** IJ	0.807	**0.0430**	5.78
05/24/07	7.83	3.20	9.96	74.5	130	197.6	0.28	59.8	120	82.5	**0.158**	**1.57**	56.0	0.243			**0.00155**		0.796	**0.0500**	5.52
08/04/07	7.41	3.22	10.31	76.7	121	171.7	0.22	56.0	131	80.0	**2.5**	**1**	57.0	0.190			**0.005**		**1.4**	**0.05**	5.50
09/06/07	7.58	3.24	9.61	71.9	121	166.8	0.08	61.0	124	90.0	**2.5**	**1**	58.0	0.180			**0.005**		**1.0**	**0.05**	5.80
10/25/07	7.17	3.22	10.82	80.9	122	187.1	0.05	60.0	126	70.0	**2.5**	**1**	56.0	0.170			**0.005**		**0.9**	**0.05**	5.00
Mean	7.58	3	9.800	73.2	128	99.40	0.2	55.7	126	86.1	1.88	1.13	60.0	0.199	0.024	0.149	0.012	0.05	0.874	0.04	5.87
Median	7.64	3.23	9.790	73.2	130.0	159.6	0.18	59.8	125	82.0	0.729	1	60.0	0.190	0.016	0.155	0.005	0.05	0.796	0.05	5.80
St. Deviation	0.54	0	1.520	11.2	4.0	131.4	0.2	14.4	5	26.4	2.27	0.36	3.0	0.044	0.017	0.025	0.018	0	0.188	0.01	0.47
# of values	13	13	12	12	13	12	13	11	11	11	11	11	11	11	4	4	11	4	11	11	11
Minimum	6.47	3.1	7.77	58	121	-173.4	0.02	13.3	120	53.8	0.0775	0.785	56.0	0.145	0.0155	0.115	0.00155	0.050	0.774	0.0155	5.00
Maximum	8.63	3.34	13.57	101.1	134	215.4	0.7	66.6	135	156	7.58	1.57	64.0	0.301	0.050	0.172	0.061	0.0500	1.4	0.056	6.64
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	45%	100%	0%	0%	100%	0%	55%	100%	0%	55%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	3	3	5	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1305																									
Sample Date																									
03/18/05																									
07/19/05	**0.00125**	**0.00125**			**0.0155**	6.29	2.45	0.0794	0.0826 +	1.09	0.91	5.52	5.53	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	20400	21400	0.870	0.864
08/21/05																									
10/06/05	**0.00125**	**0.00125**			**0.0155**	5.21	**1.73**	0.0806	0.0592	1.03	0.77	5.65	4.47	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	21700	16800	1.010	0.425
03/17/06	**0.00125**	**0.00125**			**0.0155**	35.0	2.17	0.0808	0.0824	0.89	1.16	5.67	5.17	**0.012**	**0.012**	**0.0075**	**0.0075**	**0.75**	**2.5**	**0.0125**	**0.0125**	18300	18100	0.780	0.743
06/29/06	**0.00105**	**0.00075**			**0.050**	17.0	2.12	0.0954	0.111	0.71	0.74	5.76	6.37	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.23**	**2.08**	**0.0125**	**0.0125**	19000	18900	0.857	
08/26/06	**0.00075**	**0.00075**			**0.0155**	5.71	**1.86**	0.0806	0.0678	0.99	0.60	5.24	4.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	19500	17200	0.857	0.769
10/05/06	**0.00075**	**0.0030**			**0.050**	**1.00**	**1.00**	0.0518	**0.0075**	**0.449**	0.77	5.06	5.58	**0.0125**	**0.0125**	**0.0075**	**0.0162**	**1.25**	**3.03**	**0.0185**		18800	19100	0.365	
03/25/07	**0.00075**	**0.00075**			**0.0155**	89.2	4.32	0.102	0.101	1.10	1.04	7.37	5.38	**0.0125**	**0.0125**	**0.0075**	**0.0154**	**1.25**	**1.25**	**0.0075**	**0.0075**	20000	18400	0.621	0.523
05/24/07	**0.00075**	**0.00075**			**0.0155**	4.61	2.21	0.0850	0.103	0.72	0.84	5.49	6.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	19100	19600	0.843	
08/04/07	**0.0025**	0.015			**0.025**	8.00	9.00	**0.2**	**0.2**	**0.9**	1.10	5.10	6.00	**0.05**	**0.05**	**20**	**20**	1.90	2.60	**0.05**	**0.05**	20000	18200	0.800	0.600
09/06/07	**0.0025**	**0.0025**			**0.025**	8.00	**2.5**	**0.2**	**0.2**	1.10	1.00	5.10	5.40	**0.05**	**0.05**	**20**	**20**	2.70	2.00	**0.05**	**0.05**	19000	19800	**0.05**	0.600
10/25/07	**0.0025**	**0.0025**			**0.025**	19.0	**2.5**	**0.2**	**0.2**	1.20	**0.9**	6.10	7.00	**0.05**	**0.05**	**20**	**20**	2.30	2.30	**0.05**	**0.05**	18400	19300	0.700	**0.25**
Mean	0.0014	0.0027	NA	NA	0.0244	18.1	2.90	0.1141	0.11	0.93	0.89	5.64	5.65	0.022	0.022	5.4589	5.4604	1.63	1.94	0.022	0.022	19500	18800	0.705	0.597
Median	0.00125	0.00125	NA	NA	0.0155	8.00	2.21	0.085	0.101	0.99	1	5.52	5.53	0.0125	0.0125	0.0075	0.0075	1.55	2.00	0.0125	0.013	19100	18900	0.800	0.600
St. Deviation	0.0007	0.0042	NA	NA	0.0134	25.5	2.18	0.0565	0.064	0.22	0.17	0.66	0.71	0.018	0.018	9.3392	9.3382	0.58	0.62	0.0184	0.019	1000	1300	0.274	0.199
# of values	11	11	0	0	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	11	11	11	8
Minimum	0.00075	0.00075	NA	NA	0.0155	1.00	1.00	0.0518	0.0075	0.45	0.60	5.06	4.47	0.0075	0.0075	0.00155	0.00155	0.75	1.25	0.0075	0.0075	18300	16800	0.05	0.25
Maximum	0.0025	0.015	NA	NA	0.05	89.2	9.00	0.2	0.2	1.20	1.16	7.37	7.00	0.05	0.05	20	20	2.70	3.03	0.05	0.05	21700	21400	1.010	0.864
% of values undetected	100%	91%			100%	9%	27%	27%	36%	0%	0%	0%	0%	100%	100%	100%	82%	64%	55%	100%	100%	0%	0%	9%	13%
# of values between MDL and PQL	0	1			0	0	2	0	0	2	1	0	0	0	0	0	2	1	2	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.45	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.123	0.118	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	9%	NA	NA	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1305																									
Sample Date																									
03/18/05																									
07/19/05	0.0330	0.0358	0.15	0.205	**10**	**10**	**0.0155**		2980	2950	0.375	**0.031**	**0.000450**		0.357	0.379	0.688		554	564	**0.0775**	**0.0775**	5940	**0.0031**	**0.0031**
08/21/05																									
10/06/05	0.0428	0.046	0.524	0.155	**9.89**	**3.1**	**0.0155**		3050	2320	**0.152**	**0.1**	**0.000450**		0.328	0.285	0.725	0.818	523	432	**0.0775**	**0.0775**	6800	**0.0031**	**0.0031**
03/17/06	0.0356	0.0294	0.144	0.180	31.3	**3.1**	**0.025**		2740	2680	2.15	0.0664	**0.000475**		0.334	0.335	0.524		455	466	**0.155**	**0.155**	5990	**0.0031**	**0.0031**
06/29/06	0.1030	0.0560	0.406	0.328	23.8	**11.6**	0.271		2740	2940	0.878	0.0796	**0.000475**		0.316	0.323	0.956		496	533	**0.155**	**0.155**	6750	**0.0031**	**0.0031**
08/26/06	0.0414	**0.0065**	0.182	0.186	**7.43**		0.370	**0.0930**	2950	2370	0.182	0.0840	**0.00250**		0.307	0.302	0.653	0.700	519	455	**0.155**	**0.155**	5320	**0.0031**	**0.0031**
10/05/06	0.0294	0.0330	0.101		60.7	**14.6**	**0.0155**	**0.0155**	2520	2830	**0.0125**		**0.000475**		0.330	0.363	0.403		444		**0.155**	**0.155**	6140	**0.0031**	**0.0031**
03/25/07	0.0646	0.0772	0.379		81.9	**3.10**	0.105	**0.050**	2900	2720	8.92	1.79	**0.000169**		0.316	0.357	0.677		499	475	**0.155**	**0.155**	6010	**0.0031**	**0.0031**
05/24/07	0.0306	0.0418	0.118	0.197	67.8	70.5	**0.0155**	**0.050**	2920	3160	0.248	0.290	**0.000169**		0.359	0.397	0.428		496	580	**0.155**	**0.155**	6630	**0.0031**	**0.0031**
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	2700	2600	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	6500	**0.025**	**0.025**
09/06/07	**0.14**	**0.025**	**0.25**	**0.25**	**10**	70.0	**0.05**	**0.05**	2700	2800	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**1.5**	**0.3**	**700**	**500**	**0.1**	**0.05**	5900	**0.025**	**0.025**
10/25/07	**0.07**	**0.06**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.25**	2500	2800	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.7**	**1.1**	**800**	**500**	**0.05**	**0.05**	6800	**0.025**	**0.025**
Mean	0.0559	0.04	0.250	0.222	32.1	21.0	0.0894	0.0800	2790	2740	1.24	0.320	0.000727	NA	0.309	0.317	0.687	0.640	590	551	0.117	0.112	6250	0.0091	0.0091
Median	0.0414	0.0358	0.250	0.205	25	10.0	0.0500	0.0500	2740	2800	0.250	0.180	0.000450	NA	0.316	0.323	0.677	0.700	519	500	0.155	0.155	6140	0.0031	0.0031
St. Deviation	0.0363	0.02	0.135	0.052	26.1	26.0	0.119	0.0780	180	250	2.62	0.530	0.000888	NA	0.0410	0.0540	0.326	0.350	173	165	0.0460	0.0500	480	0.010	0.010
# of values	11	11	11	9	11	10	11	7	11	11	11	10	11	0	11	11	11	5	11	10	11	11	11	11	11
Minimum	0.025	0.0065	0.101	0.155	7.43	3.10	0.0155	0.0155	2500	2320	0.0125	0.031	0.000169	NA	0.25	0.25	0.3	0.3	444	432	0.05	0.05	5320	0.0031	0.0031
Maximum	0.14	0.0772	0.524	0.328	81.9	70.5	0.370	0.25	3050	3160	8.92	1.79	0.00250	NA	0.359	0.397	1.5	1.1	1000	1000	0.155	0.155	6800	0.025	0.025
% of values undetected	9%	27%	27%	33%	36%	60%	73%	86%	0%	0%	36%	50%	100%		27%	27%	18%	40%	9%	10%	91%	100%	0%	100%	100%
# of values between MDL and PQL	2	1	0	0	2	2	0	1	0	0	1	0	0		0	0	1	1	2	2	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.771	3.621	1000	1000	0.825	0.780	NA	NA	NA	NA	0.012	0.012	NA	NA	21.28	21.22	NA	NA	5	4.6	NA	0.655676395	0.557
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1305										
Sample Date										
03/18/05										
07/19/05	3390	3380	**0.0031**	**0.0031**	**0.031**	**0.031**	0.480	**0.27**	12.5	
08/21/05										
10/06/05	3310	2550	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	1.78	**0.912**
03/17/06	3060	2990	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.25**	**0.25**	0.628	1.10
06/29/06	3030	3260	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	1.84	1.50
08/26/06	3260	2600	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.05	1.94
10/05/06	2740	3130	**0.0050**	0.0254	**0.050**	**0.170**	**0.250**	**0.250**	**0.50**	
03/25/07	3110	3000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.347**	**0.155**	**0.50**	
05/24/07	3170	3460	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.17
08/04/07	2900	2900	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.3**	**1**	**1**
09/06/07	3000	3200	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**5**	**1**
10/25/07	2800	3100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	3070	3050	0.0165	0.0183	0.0400	0.0510	0.290	0.190	2.60	1.20
Median	3060	3100	0.00500	0.00500	0.0500	0.0500	0.250	0.155	1.00	1.10
St. Deviation	210	290	0.0216	0.0213	0.0140	0.0420	0.150	0.0800	3.60	0.300
# of values	11	11	11	11	11	11	11	11	11	8
Minimum	2740	2550	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	0.912
Maximum	3390	3460	0.05	0.05	0.05	0.170	0.5	0.3	12.5	1.94
% of values undetected	0%	0%	100%	91%	100%	91%	73%	82%	55%	38%
# of values between MDL and PQL	0	0	0	0	0	1	2	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	48.81	48.13
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP1405																					
Sample Date																					
05/21/04	5.94	10.21	7.4		111	-11	0	18.9	55.0	52.5	**0.421**	**1.57**	21.0	0.621			**0.0155**		0.948	**0.050**	2.74
09/16/04	6.40	8.51	10.6		170	53	0.1	30.4	90.0	56.3	**0.211**	**1.57**	32.8				**0.0155**		1.06		7.77
07/18/05	7.02	3.90			84	-84.2	0.24	36.5	95.0	58.7	**0.075**	**0.785**	33.0	1.310			0.050		0.843	**0.034**	7.09
08/23/05	6.80	3.91	10.77	82	81	171.8	0.13														
10/06/05	6.94	3.96	9.14	69.7	80	203.7	0.2	36.0	85.0	58.7	**0.075**	**4.13**	32.0	0.285			**0.0057**		0.791	**0.05**	7.29
03/17/06	7.32	3.86	7.51	57.1	82	162.8	0.08	32.4	80.0	67.5	**0.2**	**3.5**	33.0	1.080			**0.004**		0.8	**0.0155**	7.19
06/28/06	7.09	3.86	8.53	64.9	82	-43.2	0.09	31.8	80.0	65.0	**0.075**	**3.75**	34.0	0.240	**0.050**	0.199	0.0130		0.767	**0.0430**	6.87
08/26/06	6.88	3.86	9.7	74.8	79	115.5	0.07	35.8	80.0	73.7	0.700	**3.25**	32.0	0.227	**0.0595**	0.167	**0.0046**	**0.0155**	0.773	**0.0740**	7.14
10/02/06	7.00	3.86	8.73	66.6	80	191	0.3	34.2	80.0	62.5	**0.075**	**3.75**	33.0	0.214	**0.0155**	0.214	**0.00155**	**0.05** J	0.806	**0.0540**	7.25
03/25/07	6.13	3.84	10.19	77.5	80	233.1	0.1	34.8	75.0	53.7	**0.0815**	**1.57**	33.0	0.267	**0.0155**	0.238	**0.00155**	**0.0400** J	0.835	**0.0440**	6.97
05/24/07	7.01	3.82	9.99	75.8	81	194.1	0.07	34.1	80.0	48.8	**0.1685**	**1.57**	33.0	0.286			**0.00155**		0.808	**0.0560**	6.84
08/04/07	6.70	3.86	10.06	76.5	77	199	0.3	35.0	86.0	50.0	**2.5**	**1**	32.0	0.310			**0.005**		**1.0**	**0.05**	6.80
09/06/07	7.01	3.85	8.99	68.4	79	139.2	0.06	38.0	82.0	70.0	**2.5**	**1**	33.0	0.500			**0.005**		**1.0**	**0.05**	7.70
10/24/07	6.82	3.82	6.6	50.2	79	69.5	0.08	38.0	84.0	40.0	**10**	**1**	32.0	0.230			**0.005**		**1.0**	**0.05**	7.40
Mean	6.79	5	9.090	69.4	89	114.0	0.1	33.5	81.0	58.3	1.31	2.19	32.0	0.464	0.035	0.205	0.010	0.040	0.879	0.048	6.85
Median	6.91	4	9.140	69.7	81	151.0	0.10	34.8	80.0	58.7	0.20	1.57	33.0	0.286	0.033	0.207	0.005	0.040	0.835	0.050	7.14
St. Deviation	0.38	2	1.310	9.50	25	101.0	0.100	4.9	9	9.5	2.75	1.27	3.0	0.366	0.023	0.03	0.013	0.020	0.105	0.014	1.27
# of values	14	14	13	11	14	14	14	13	13	13	13	13	13	12	4	4	13	3	13	12	13
Minimum	5.94	3.82	6.6	50.2	77	-84.2	0	18.9	55	40.0	0.075	0.785	21.0	0.214	0.0155	0.167	0.00155	0.0155	0.767	0.0155	2.74
Maximum	7.32	10.21	10.77	82	170	233.1	0.3	38	95	73.7	10	4.13	34.0	1.310	0.0595	0.238	0.050	0.050	1.06	0.074	7.77
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	62%	62%	0%	0%	75%	0%	62%	67%	0%	50%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	4	5	0	0	1	0	3	1	3	6	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	21%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1505																					
Sample Date																					
08/24/05	5.95	5.45	9.95	78.7	26	174	1.45														
10/05/05	5.03	4.90	9.33	72.9	15	270.9	0.13	6.97	20.5	10.0	5.82	5.5	**5**	**0.0155**			0.026		0.662	**0.05**	2.52
06/27/06	5.44	3.85	9.5	72.4	18	-32.1	2.86	6.03	18.0	35.0	6.41	**4.75**	**8.00**	0.245	**0.050**	0.200	0.0530	**0.05** J	0.563	**0.0510**	7.16
08/27/06	5.70	5.24	6.86	54	18	147.1	0.08	6.13	17.0	32.5	**0.079**	**5.75**	**5.00**	**0.0155**	**0.0155**	**0.0155**	0.0108	**0.0155**	0.593	**0.0360**	1.94
10/04/06	5.51	3.81	9.24	70.1	20	243.3	0.2	6.31	19.0	25.0	**0.400**	**7.50**	**5.00**	**0.0155**	**0.0155**	**0.0155**	**0.0090**	**0.0155**	0.723	**0.0530**	2.59
05/26/07	4.99	1.28	11.06	78.4	15	262	0.1	4.95	15.0	16.3	**0.421**	**1.57**	**5.83**	**0.0360**			**0.0060**		0.605	**0.0360**	1.35
08/06/07	6.75	4.27	8.38	66.5	35	66.2	1.07	9.0	24.0	30.0	**2.5**	**1**	**6**	**0.06**			**0.03**		**0.8**	**0.05**	**2.8**
09/08/07	5.95	4.47	8.77	67.8	20	210.4	0.24	10.0	23.0	20.0	**2.5**	**1**	**7**	**0.02**			**0.005**		**0.8**	**0.05**	3.70
10/26/07	5.88	3.49	6.72	50.6	22	163	0.09	8.0	24.0	30.0	**2.5**	**1**	**5**	**0.01**			**0.02**		**0.8**	**0.05**	**2.2**
Mean	5.69	4.1	8.870	67.9	21	167.0	0.69	7.17	20.0	25.0	2.6	3.5	5.9	0.052	0.027	0.077	0.020	0.027	0.693	0.05	3.03
Median	5.7	4.27	9.240	70.1	20	174.0	0.20	6.64	20.0	28.0	2.5	3.2	5.4	0.018	0.0155	0.0155	0.015	0.0155	0.693	0.05	2.56
St. Deviation	0.54	1.2	1.400	9.80	6.0	99.00	0.95	1.7	3	9.0	2.4	2.6	1.1	0.08	0.02	0.107	0.016	0.0199	0.101	0.01	1.8
# of values	9	9	9	9	9	9	9	8	8	8	8	8	8	8	3	3	8	3	8	8	8
Minimum	4.99	1.28	6.72	50.6	15	-32.1	0.08	4.95	15	10.0	0.079	1	5	0.01	0.0155	0.0155	0.005	0.0155	0.563	0.036	1.35
Maximum	6.75	5.45	11.06	78.7	35	270.9	2.86	10	24	35.0	6.41	7.5	8	0.245	0.050	0.2	0.053	0.0500	0.8	0.053	7.16
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	50%	100%	67%	13%	100%	0%	50%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	3	8	3	0	0	4	0	3	4	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	89%	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1405																									
Sample Date																									
05/21/04	**0.00125**	**0.00125**			**0.0155**	**12.5**	**12.5**	**0.0385**	**0.100** U	**0.250**	**0.250**	1.83	1.92	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.050**	**0.0155**	5900	6300	**0.100**	0.236
09/16/04	**0.0026**	**0.00125**			**0.042**	**12.5**	**3.9**	**0.0385**	**0.0385**	**0.446**	**0.463**	2.76	2.85	**0.0075**	**0.0075**	**0.75**	**0.75**	**5**	**5.2**	**0.0155**	**0.0155**	8810	9540	**0.146**	
07/18/05	**0.00125**	**0.00125**			**0.0155**	2.83	**1**	0.0408	0.0432 +	0.551	0.59	3.05	3.03	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	11200	11100	0.408	
08/23/05																									
10/06/05	**0.00125**	**0.00125**			**0.0155**	**1**	**1.25**	0.0408	0.0304	**0.489**	**0.348**	3.00	2.56	**0.0075**	**0.0075**	**0.00155**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	11100	9030	0.654	**0.183**
03/17/06	**0.00125**	**0.00125**			**0.0155**	2.07	**1**	0.0536	0.054	**0.444**	0.555	2.82	2.94	**0.012**	**0.012**	**0.0075**	**0.0075**	**0.75**	**2.5**	**0.0125**	**0.0125**	9800	9960	0.450	0.532
06/28/06	**0.00105**	**0.00075**			**0.0155**	**1.00**	2.34	**0.0250**	0.0550	0.570	0.598	2.99	3.25	**0.0120**	**0.0120**	**0.0192**	**0.0166**	**0.75**	**2.50**	**0.0125**	**0.0125**	9680	10000	**0.100**	
08/26/06	**0.00075**	**0.00075**			**0.0155**	2.54	**0.986**	0.0518	**0.0334** J	**0.430**	**0.155**	3.07	3.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10900	11100	0.638	0.666
10/02/06	**0.00075**	**0.00075**			**0.050**	**1.00**	**1.00**	**0.0250**	**0.0250** J	0.554	**0.435**	3.01	2.93	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10400	10700	0.362	**0.050**
03/25/07	**0.0025**	**0.0025**			**0.0155**	4.18	**1.00**	0.0692	0.0618	**0.336**	**0.155**	3.09	3.08	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10600	10800	**0.139**	**0.168**
05/24/07	**0.00075**	**0.00075**			**0.050**	**1.00**	**1.00**	0.0514	0.0536	**0.155**	**0.155**	3.13	3.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	10000	0.344	0.417
08/04/07	**0.0025**	0.015			**0.025**	7.00	12	**0.2**	**0.2**	**0.6**	**0.25**	3.20		**0.05**	**0.05**	**20**	**20**	1.40	2.30	**0.05**	**0.05**	11400	10800	0.600	**0.05**
09/06/07	**0.0025**	**0.0025**			**0.025**	9.00	8.000	**0.2**	**0.2**	**0.8**	**0.25**	3.00	3.50	**0.05**	**0.05**	**20**	**20**	2.20	2.10	**0.05**	**0.05**	11000	11800	**0.05**	**0.25**
10/24/07	**0.0025**	**0.0025**			**0.025**	6.00	6.00	**0.2**	**0.2**	**0.25**	**0.25**	4.50	5.00	**0.05**	**0.05**	**20**	**20**	1.80	1.80	**0.05**	**0.05**	11500	11600	0.700	0.700
Mean	0.0016	0.0024	NA	NA	0.025	4.82	4.00	0.0796	0.084	0.452	0.343	3.03	3.11	0.02	0.02	4.7354	4.7354	1.66	2.00	0.0237	0.021	10200	10200	0.361	0.325
Median	0.00125	0.00125	NA	NA	0.0155	2.83	1.25	0.0514	0.054	0.446	0.25	3.01	3.02	0.0125	0.0125	0.0075	0.0075	1.40	1.55	0.0155	0.0155	10600	10700	0.362	0.243
St. Deviation	0.0008	0.0038	NA	NA	0.0134	4.25	4.29	0.0696	0.069	0.174	0.167	0.56	0.72	0.018	0.018	8.7064	8.7064	1.08	1.07	0.0186	0.017	1500	1400	0.237	0.24
# of values	13	13	0	0	13	13	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	10
Minimum	0.00075	0.00075	NA	NA	0.0155	1	0.986	0.025	0.025	0.155	0.155	1.83	1.92	0.0075	0.0075	0.00155	0.00155	0.75	1.25	0.0075	0.0075	5900	6300	0.05	0.05
Maximum	0.0026	0.015	NA	NA	0.05	12.5	12.5	0.2	0.2	0.8	0.598	4.50	5.00	0.05	0.05	20	20	5	5.2	0.05	0.05	11500	11800	0.700	0.700
% of values undetected	92%	100%			92%	46%	54%	54%	38%	23%	54%	0%	0%	100%	100%	92%	92%	77%	69%	100%	100%	0%	0%	23%	30%
# of values between MDL and PQL	1	0			1	0	2	0	2	7	3	0	0	0	0	1	1	0	1	0	0	0	0	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.93	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.099	0.096	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	8%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1505																									
Sample Date																									
08/24/05																									
10/05/05	**0.00125**	**0.00125**			**0.0155**	181	4.60	0.149	0.153	4.95	3.43	2.02	0.95	**0.0075**	**0.0075**	**0.00155**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	2140	2000	0.386	0.315
06/27/06	**0.00105**	**0.00075**			**0.050**	308	7.50	0.175	0.192	6.41	3.30	1.70	0.81	0.0358	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	1880	1860	**0.050**	
08/27/06	**0.00075**	**0.00075**			**0.0155**	7.05	6.61	**0.0075**	**0.0075**	3.34	3.45	0.81	0.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2000	2020	0.408	0.475
10/04/06	**0.00075**	**0.0020**			**0.050**	8.34	6.24	0.154	0.172	3.46	3.33	0.91		**0.0125**	**0.0125**	**0.0166**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	1990	2290	**0.165**	**0.050**
05/26/07	**0.00075**	**0.00075**			**0.0155**	14.4	12.2	0.118	0.123	2.58	2.59	0.76	0.82	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1570	1590	0.235	**0.050**
08/06/07	**0.0025**	**0.0025**			**0.025**	155	15.0	**0.2**	**0.2**	5.00	3.20	1.30	1.30	**0.05**	**0.05**	**20**	**20**	**0.8**	1.30	**0.05**	**0.05**	2500	2800	**0.2**	**0.1**
09/08/07	**0.0025**	**0.0025**			**0.025**	9.00	8.00	**0.2**	**0.2**	3.00	3.50	1.00		**0.05**	**0.05**	**20**	**20**	1.20	**0.5**	**0.05**	**0.05**	2300	3100	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	99	7.00	**0.2**	**0.2**	4.40	3.60	2.30		**0.05**	**0.05**	**20**	**20**	1.20	1.40	**0.05**	**0.05**	2000	2700	0.600	**0.25**
Mean	0.0015	0.0016	NA	NA	0.028	97.7	8.39	0.15	0.16	4.14	3.30	1.35	0.95	0.029	0.026	7.505	7.504	1.16	1.16	0.027	0.027	2050	2300	0.29	0.213
Median	0.0012	0.0016	NA	NA	0.025	56.7	7.25	0.16	0.18	3.93	3.38	1.15	0.87	0.024	0.013	0.012	0.008	1.23	1.25	0.019	0.019	2000	2160	0.24	0.250
St. Deviation	0.0008	0.0008	NA	NA	0.014	111	3.45	0.06	0.07	1.28	0.31	0.59	0.20	0.019	0.02	10.347	10.347	0.26	0.35	0.02	0.02	280	520	0.17	0.157
# of values	8	8	0	0	8	8	8	8	8	8	8	8	5	8	8	8	8	8	8	8	8	8	8	8	7
Minimum	0.00075	0.00075	NA	NA	0.0155	7.05	4.60	0.0075	0.0075	2.58	2.59	0.76	0.81	0.0075	0.0075	0.00155	0.005	0.75	0.5	0.0075	0.0075	1570	1590	0.05	0.050
Maximum	0.0025	0.0025	NA	NA	0.05	308	15.0	0.2	0.2	6.41	3.60	2.3	1.30	0.05	0.05	20	20	1.55	1.55	0.05	0.05	2500	3100	0.6	0.475
% of values undetected	100%	88%			100%	0%	0%	50%	50%	0%	0%	0%	0%	88%	100%	88%	100%	63%	75%	100%	100%	0%	0%	25%	57%
# of values between MDL and PQL	0	1			0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.07	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.031	0.032	NA	NA	7.80658251	6.713660958
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	38%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1405																									
Sample Date																									
05/21/04	**0.0155**		**0.100**	0.201	**3.10**	**3.10**	**0.050**	**0.050**	1010	1040	**0.250**		**0.0005**		**0.155**	**0.155**	0.201		307	323	**0.155**	**0.155**	5830	**0.00310**	**0.00310**
09/16/04	**0.0155**	**0.0155**	**0.1**	**0.1**	**3.1**	**3.1**	**0.05**	**0.05**	2040	1860	**0.25**	**0.25**	0.00180		**0.155**	**0.155**	0.264	0.292	387	398	**0.155**	**0.155**	6620	**0.0031**	**0.0031**
07/18/05	0.0194	0.0148	0.202	0.208	**3.1**	**3.1**	**0.05**	0.129	2060	2040	**0.031**	**0.1**	**0.000450**		0.344	0.329	0.391		448	454	**0.0775**	**0.0775**	6310	**0.0031**	**0.0031**
08/23/05																									
10/06/05	0.0264	0.0296	0.149	0.185	**3.1**	**3.1**	**0.0155**		2010	1660	**0.031**	**0.1**	**0.000450**		0.269	0.262	0.349		416	356	**0.0775**	**0.0775**	6930	**0.0031**	**0.0031**
03/17/06	**0.01**	**0.01**	**0.05**	0.159	**3.1**	**3.1**	**0.025**		1920	1980	**0.025**	0.0680	**0.000475**		0.319	0.329	0.269		392	408	**0.155**	**0.155**	6450	**0.0031**	**0.0031**
06/28/06	0.0416	0.0410	0.123		**3.10**	**7.59**	0.151		1840	1860	**0.0250**		**0.000475**		0.283	0.287	0.561		385	401	**0.155**	**0.155**	6400	**0.0031**	**0.0031**
08/26/06	0.0250	**0.0065**	0.313	0.219	**3.10**		0.105	0.113	2120	1870	0.0780	0.0958	**0.000475**		0.295	0.350	0.402	0.545	452	428	**0.155**	**0.155**	5780	**0.0031**	**0.0031**
10/02/06	**0.0186**	**0.0172**	**0.050**		28.6	30.4	**0.0155**		2020	2070	**0.0250**	0.0536	**0.000475**		0.364	0.318	0.268	0.277	408	452	**0.155**	**0.155**	6420	**0.0031**	**0.0031**
03/25/07	**0.0100**	**0.0100**	**0.050**	0.163	**13.5**	**19.3**	**0.0155**	**0.0155**	2000	2040	0.0854	0.0890	**0.000169**		0.321	0.331	0.351	0.430	421	429	**0.155**	**0.155**	6220	**0.0031**	**0.0031**
05/24/07	**0.0166**	**0.0176**	0.133	0.128	33.0	35.8	**0.0155**	**0.0155**	2050	2000	0.0508	0.0586	**0.000169**		0.319	0.324	0.225	0.279	418	416	**0.155**	**0.155**	6410	**0.0031**	**0.0031**
08/04/07	**0.025**	**0.025**	**0.25**	**0.8**	**10**	**10**	**0.05**	**0.05**	1900	2000	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	6500	**0.025**	**0.025**
09/06/07	**0.07**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	2000	2100	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**1.5**	**0.3**	**500**	**500**	**0.1**	**0.1**	6300	**0.025**	**0.025**
10/24/07	**0.06**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.25**	**0.05**	1900	2200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**700**	**500**	**0.25**	**0.25**	5800	**0.025**	**0.025**
Mean	0.0272	0.020	0.155	0.242	10.9	12.0	0.0650	0.0580	1910	1900	0.123	0.140	0.000636	NA	0.275	0.276	0.414	0.340	480	401	0.138	0.138	6310	0.0082	0.0082
Median	0.0194	0.017	0.133	0.201	3.1	9.0	0.0500	0.0500	2000	2000	0.0780	0.100	0.000475	NA	0.283	0.287	0.300	0.300	418	416	0.155	0.155	6400	0.0031	0.0031
St. Deviation	0.0188	0.010	0.089	0.191	10.9	11.0	0.0680	0.0390	280	290	0.106	0.0900	0.000701	NA	0.0640	0.0640	0.339	0.100	181	90.0	0.0510	0.0510	330	0.0096	0.0096
# of values	13	12	13	11	13	12	13	9	13	13	13	11	13	0	13	13	13	8	13	13	13	13	13	13	13
Minimum	0.01	0.0065	0.05	0.1	3.1	3.10	0.0155	0.0155	1010	1040	0.0250	0.0536	0.000169	NA	0.155	0.155	0.201	0.277	307	150	0.05	0.05	5780	0.00310	0.00310
Maximum	0.07	0.041	0.313	0.8	33	35.8	0.25	0.129	2120	2200	0.25	0.25	0.00250	NA	0.364	0.350	1.5	0.545	1000	500	0.25	0.25	6930	0.025	0.025
% of values undetected	38%	58%	62%	27%	77%	67%	85%	78%	0%	0%	77%	55%	92%	NA	38%	38%	23%	38%	8%	8%	92%	92%	0%	100%	100%
# of values between MDL and PQL	4	2	0	1	1	2	0	0	0	0	0	0	0		0	0	0	0	2	2	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.931	2.814	1000	1000	0.567	0.560	NA	NA	NA	NA	0.012	0.012	NA	NA	16.58	16.53	NA	NA	5	4.6	NA	0.394807935	0.336
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1505																									
Sample Date																									
08/24/05																									
10/05/05	0.0688	0.023	0.185	0.221	192	**3.1**	**0.094**		391	311	7.45	**0.1**	**0.000450**		0.432	0.422	0.118		145	138	**0.0775**	**0.0775**	3540	**0.0031**	**0.0031**
06/27/06	0.0576	**0.0100**	0.237	0.166	203	**8.00**	1.08	0.320	322	307	8.34	1.11	**0.00250**		0.407		**0.100**		134	129	**0.155**	**0.155**	2920	0.0882	**0.0031**
08/27/06	**0.0065**	**0.0178**	**0.0916**		**3.10**	**3.10**	**0.0155**		278	276	0.154	0.196	**0.00250**		0.335	0.341	**0.0960**		208	220	**0.155**	**0.155**	2680	**0.0031**	**0.0031**
10/04/06	**0.0065**	**0.0065**	0.143		**3.10**	**6.62**	**0.0155**	**0.0374**	326	378	0.269	0.176	**0.000475**		0.498	0.520	**0.0668**	**0.116**	152	167	**0.155**	**0.155**	3120	**0.0031**	**0.0031**
05/26/07	**0.0106**	**0.0102**	0.141	0.132	**9.80**	**3.10**	**0.0155**	**0.0155**	252	239	0.425	0.297	**0.000685**		0.410	0.407	**0.100**	**0.0310**	113	108	**0.155**	**0.155**	2100	**0.0031**	**0.0031**
08/06/07	**0.025**	**0.025**	**0.8**	**0.25**	390	**10**	**0.05**	**0.05**	**400**	**500**	5.30	**0.5**	0.0128		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.05**	3300	0.08	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.9**	**10**	**10**	**0.05**	**0.05**	**400**	**500**	**0.25**	**0.7**	**0.00250**		**1.5**	**1.5**	**0.3**	**1.5**	**150**	**150**	**0.05**	**0.05**	3100	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	210	**10**	**0.05**	**0.05**	**200**	**400**	**1.5**	**0.25**	**0.00159**		**1.5**	**0.25**	**0.3**	**0.3**	**300**	**150**	**0.05**	**0.05**	3300	0.06	**0.025**
Mean	0.028	0.018	0.262	0.320	128	7.0	0.171	0.090	321	364	2.96	0.420	0.00294	NA	0.670	0.530	0.170	0.450	169	258	0.106	0.106	3010	0.033	0.011
Median	0.025	0.020	0.211	0.236	101	7.0	0.0500	0.0500	324	345	0.960	0.270	0.00205	NA	0.420	0.407	0.110	0.300	150	150	0.116	0.116	3110	0.014	0.0031
St. Deviation	0.023	0.008	0.225	0.288	144	3.0	0.368	0.110	74	98	3.50	0.340	0.00409	NA	0.520	0.440	0.110	0.600	59.0	302	0.0530	0.0530	450	0.037	0.011
# of values	8	8	8	6	8	8	8	6	8	8	8	8	8	0	8	7	8	5	8	8	8	8	8	8	8
Minimum	0.0065	0.0065	0.0916	0.132	3.1	3.10	0.0155	0.0155	200	239	0.154	0.1	0.000450	NA	0.25	0.25	0.0668	0.0310	113	108	0.05	0.05	2100	0.0031	0.0031
Maximum	0.0688	0.025	0.8	0.9	390	10	1.08	0.320	400	500	8.34	1.11	0.0128	NA	1.5	1.5	0.3	1.5	300	1000	0.155	0.155	3540	0.0882	0.025
% of values undetected	63%	63%	25%	33%	38%	75%	75%	67%	0%	0%	13%	25%	63%		38%	43%	63%	80%	25%	38%	100%	100%	0%	63%	100%
# of values between MDL and PQL	1	2	2	1	1	2	1	1	3	3	1	2	2		0	0	2	1	1	0	0	0	0	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.762	0.731	1000	1000	0.076	0.093	NA	NA	NA	NA	0.012	0.012	NA	NA	4.37	4.35	NA	NA	5	4.6	NA	0.026187282	0.022
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	13%	17%	0%	0%	25%	17%	0%	0%	0%	0%	13%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1405										
Sample Date										
05/21/04	2060	2110	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200**	0.479	**0.75**	**0.75**
09/16/04	2830	2530	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.375**	**0.284**	**0.75**	**0.75**
07/18/05	2800	2810	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.325**	0.410	14.7	2.71
08/23/05										
10/06/05	2700	2240	**0.0031**	**0.0031**	**0.031**	**0.031**	0.467	**0.1**	1.80	**0.972**
03/17/06	2600	2770	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.25**	**0.25**	0.747	
06/28/06	2480	2560	0.0100	**0.0070**	**0.0155**	**0.0155**	**0.110**	**0.110**	0.811	1.15
08/26/06	2840	2510	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.84	1.00
10/02/06	2770	2800	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	1.08
03/25/07	2730	2760	**0.0050**	0.0228	**0.050**	**0.050**	**0.155**	**0.155**	1.37	1.07
05/24/07	2750	2690	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.37	1.15
08/04/07	2600	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.3**	**1**	**1**
09/06/07	2800	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
10/24/07	2800	3000	0.700	**0.25**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
Mean	2670	2640	0.0664	0.0330	0.0580	0.0580	0.230	0.260	2.10	1.10
Median	2750	2700	0.00500	0.00700	0.0500	0.0500	0.250	0.250	1.00	1.00
St. Deviation	210	250	0.191	0.0673	0.0450	0.0450	0.110	0.140	3.80	0.500
# of values	13	13	13	13	13	13	13	13	13	12
Minimum	2060	2110	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	0.75
Maximum	2840	3000	0.700	0.25	0.155	0.155	0.467	0.5	14.7	2.71
% of values undetected	0%	0%	85%	85%	100%	100%	69%	69%	46%	42%
# of values between MDL and PQL	0	0	0	1	0	0	3	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	38.02	37.49
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1505										
Sample Date										
08/24/05										
10/05/05	1410	1280	**0.0031**	**0.0031**	**0.031**	**0.031**	0.522	**0.1**	1.50	**1.26**
06/27/06	1280	1320	**0.0086**	**0.0025**	**0.0155**	**0.0492**	0.554	**0.110**	8.92	4.33
08/27/06	1180	1240	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.647**	1.37
10/04/06	1390	1430	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
05/26/07	1000	1000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.97	**0.50**
08/06/07	**1400**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/08/07	**1400**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/26/07	**1300**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1300	1330	0.0221	0.0213	0.0430	0.0480	0.300	0.100	2.00	2.10
Median	1350	1360	0.00680	0.00500	0.0500	0.0500	0.250	0.100	1.00	1.26
St. Deviation	140	170	0.0232	0.0238	0.0130	0.00700	0.190	0.100	3.00	1.80
# of values	8	8	8	8	8	8	8	8	8	7
Minimum	1000	1000	0.0031	0.0025	0.0155	0.031	0.1	0.1	0.50	0.50
Maximum	1410	1500	0.05	0.05	0.05	0.05	0.554	0.250	8.92	5
% of values undetected	0%	0%	88%	100%	100%	88%	75%	100%	50%	57%
# of values between MDL and PQL	3	3	1	0	0	1	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	9.99	9.85
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP1605																					
Sample Date																					
08/24/05	6.27	3.73	10.95	82.8	31	159.7	0.49														
10/05/05	5.95	3.66	9.04	68.4	29	240	0.07	11.3	28.5	19.0	1.7	6.25	8.5	0.035			0.016		0.651	**0.05**	4.16
06/27/06	5.16	6.08	9.04	72.8	22	22.7	0.18	7.97	21.0	35.0	**0.0765**	3.50	6.00	0.365	**0.050**	0.325	0.0120	**0.0155**	0.467	0.0410	4.30
08/27/06	6.30	2.80	7.3	53.9	29		0.07	12.1	27.0	35.0	0.306	4.50	9.00	0.0370	**0.0155**	0.0340	0.0100	**0.0155**	0.630	**0.0155**	4.37
10/04/06	5.83	3.23	9.4	70.3	30	220.5	0.14	11.1	29.0	16.3	2.30	6.75	9.00	**0.0155**	**0.0155**	**0.0155**	0.0106	**0.0155**	0.671	0.0670	4.25
08/06/07	6.53	3.29	9.34	69.9	31	53.4	0.05	15.0	39.0	30.0	**2.5**	**1**	9	0.07			0.02		0.9	**0.05**	6.20
09/08/07	5.41	3.45	10.96	86.4	27	244.9	0.14	13.0	33.0	30.0	**2.5**	**1**	9	0.06			0.03		0.8	**0.05**	4.20
10/26/07	6.18	2.17	7.05	51.2	32	165.9	0.07	11.0	31.0	40.0	**2.5**	**1**	8	**0.01**			**0.005**		0.8	**0.05**	3.50
Mean	5.95	4	9.140	69.5	29	158.2	0.2	11.6	30.0	29.0	1.7	3.4	8.4	0.085	0.027	0.125	0.015	0.0155	0.70	0.05	4.40
Median	6.07	3	9.190	70.1	30	165.9	0.1	11.3	29.0	30.0	2.3	3.5	9.0	0.037	0.0155	0.0340	0.012	0.0155	0.671	0.05	4.25
St. Deviation	0.47	1	1.440	12.3	3.0	89.00	0.1	2.1	6	9.0	1.1	2.5	1.1	0.126	0.02	0.174	0.008	0	0.14	0.02	0.80
# of values	8	8	8	8	8	7	8	7	7	7	7	7	7	7	3	3	7	3	7	7	7
Minimum	5.16	2.17	7.05	51.2	22	22.7	0.05	7.97	21	16.3	0.0765	1	6	0.01	0.0155	0.0155	0.005	0.0155	0.467	0.0155	3.5
Maximum	6.53	6.08	10.96	86.4	32	244.9	0.49	15	39	40.0	2.5	6.75	9	0.365	0.050	0.325	0.03	0.0155	0.9	0.067	6.2
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	43%	0%	29%	100%	33%	14%	100%	0%	71%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	3	7	4	0	1	3	0	3	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1705																					
Sample Date																					
05/22/04	6.19	10.26	7.68		129	27	0.5	26.9	80.0	61.3	**0.075**	**1.57**	28.0	0.258			**0.0155**		0.863	0.118	6.80
09/16/04	6.45	7.36	13.81		256	57	0.5	28.2	80.0	57.5	0.2	**1.57**	28.5	1.950			**0.0155**		0.925		7.90
03/17/05	7.51	3.36	14.26	107.7	79																
07/18/05	7.14	3.73			61	-91.4	0.13	32.1	75.0	43.8	13.6	**0.785**	29.0	0.579			0.130		0.803	**0.0155**	6.60
08/23/05	6.97	3.68	11.09	83.9	73	180.2	0.27														
10/06/05	6.83	3.63	9.45	71.5	72	188.9	0.17	32.4	75.0	50.0	**0.078**	3.25	29.0	0.428			0.011		0.785	**0.05**	5.63
03/17/06	7.40	3.44	7.62	57.4	74	-169.5	0.22	28	650	56.3	2.14	2.75	30.0	0.458			0.011		0.786	**0.0155**	5.45
06/28/06	7.07	3.60	8.73	66	72	-69.2	0.52	29.6	70.0	57.5	12.2	4.50	30.0	0.400	**0.050**	0.360	0.0470	J	0.785	0.0580	5.72
08/25/06	6.88	3.66	9.12	69		118	0.11	32.4	70.0	72.5	3.10	3.75	30.0	0.385	0.0430	0.342	0.0180	**0.0155**	0.786	**0.0155**	5.72
10/06/06	6.30	3.73	8.37	63.5	44	122	0.17	29.7	70.0	51.3	1.03	3.25	28.0	0.314	**0.0155**	0.307	0.0085	**0.0155**	0.828	0.0550	6.37
03/25/07	5.50	3.51	10.14	76.3	75	275	0.14	32.2	70.0	51.3	3.13	**1.57**	30.0	0.329	**0.0155**	0.301	0.0080	0.0900 J	0.828	0.0430	6.12
05/24/07	6.77	3.67	9.97	75.3	72	189.7	0.57	29.3	70.0	50.0	3.44	**1.57**	29.0	0.337			0.0070		0.824	0.0480	6.74
08/04/07	6.71	3.79	10.25	77.7	71	226.3	1.03	33.0	75.0	50.0	**2.5**	**1**	29.0	0.330			0.01		1.1	0.1	6.70
09/06/07	6.97	3.67	9.25	70	74	149	0.09	34.0	76.0	40.0	**2.5**	**1**	30.0	0.300			**0.005**		1.0	**0.05**	7.20
10/24/07	7.01	3.63	6.58	49.7	65	69.7	0.07	31.0	74.0	40.0	**2.5**	**1**	27.0	0.470			**0.005**		0.9	**0.05**	5.70
Mean	6.78	4	9.740	72.3	87	91.00	0.3	30.7	118.0	52.4	3.6	2.12	29.0	0.503	0.031	0.328	0.022	0.0403	0.863	0.05	6.36
Median	6.88	3.67	9.350	70.8	73	120.0	0.20	31	75.0	51.3	2.5	1.57	29.0	0.385	0.029	0.325	0.011	0.0155	0.828	0.05	6.37
St. Deviation	0.51	2	2.180	14.5	52	129.0	0.3	2.2	160	8.9	4.3	1.23	1.0	0.443	0.018	0.028	0.034	0.043	0.096	0.03	0.72
# of values	15	15	14	12	14	14	14	13	13	13	13	13	13	13	4	4	13	3	13	12	13
Minimum	5.5	3.36	6.58	49.7	44	-169.5	0.07	26.9	70	40.0	0.075	0.785	27.0	0.258	0.0155	0.301	0.005	0.0155	0.785	0.0155	5.45
Maximum	7.51	10.26	14.26	107.7	256	275	1.03	34	650	72.5	13.6	4.5	30.0	1.95	0.050	0.360	0.130	0.0900	1.1	0.118	7.90
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	62%	0%	0%	75%	0%	31%	67%	0%	50%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	5	0	0	1	0	5	1	3	5	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	27%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1605																									
Sample Date																									
08/24/05																									
10/05/05	**0.00125**	**0.00125**			**0.0155**	3.22	2.17	0.162	0.155	4.18	3.59	0.22	0.26	**0.0075**	**0.0075**	**0.00155**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	3540	3260	0.407	0.335
06/27/06	**0.00105**	**0.00075**			**0.050**	21.7	4.43	0.157	0.135	2.96	2.91	0.49	0.56	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	2440	2360	**0.050**	
08/27/06	**0.00075**	**0.00075**			**0.0155**	5.86	2.41	**0.0075**	**0.0075**	4.01	3.82	0.22		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3860	3630	0.468	0.431
10/04/06	**0.00075**	**0.0030**			0.125	5.98	**1.00**	0.177	0.189	4.25	3.79	0.23		**0.0125**	**0.0125**	**0.0184**	**0.0176**	**1.25**	**1.25**	**0.0185**	**0.0185**	3430	3610	0.398	**0.050**
08/06/07	**0.0025**	**0.0025**			**0.025**	14.0	**2.5**	**0.2**	**0.2**	3.50	3.30	**0.25**	0.80	**0.05**	**0.05**	**20**	**20**	**0.8**	1.00	**0.05**	**0.05**	4300	4500	**0.05**	**0.05**
09/08/07	**0.0025**	**0.0025**			**0.025**	77.0	**2.5**	**0.2**	**0.2**	4.60	3.90	0.70	1.00	**0.05**	**0.05**	**20**	**20**	1.30	**0.5**	**0.05**	**0.05**	3700	4000	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.25**	34.0	6.00	**0.2**	**0.2**	3.50	3.00	1.70	1.70	**0.05**	**0.05**	**20**	**20**	1.20	1.20	**0.05**	**0.05**	3500	3500	0.600	**0.25**
Mean	0.0016	0.0019	NA	NA	0.072	23.1	3.00	0.16	0.16	3.86	3.47	0.54	0.86	0.028	0.028	8.576	8.577	1.16	1.07	0.0296	0.0296	3540	3550	0.318	0.228
Median	0.00125	0.0025	NA	NA	0.025	14	2.5	0.177	0.189	4.01	3.59	0.25	0.80	0.0125	0.0125	0.0184	0.0176	1.25	1.20	0.0185	0.0185	3540	3610	0.398	0.25
St. Deviation	0.0008	0.0009	NA	NA	0.087	26.1	1.66	0.07	0.07	0.56	0.41	0.54	0.54	0.021	0.021	10.686	10.685	0.28	0.35	0.0194	0.0194	570	660	0.210	0.153
# of values	7	7	0	0	7	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	6
Minimum	0.00075	0.00075	NA	NA	0.0155	3.22	1.00	0.0075	0.0075	2.96	2.91	0.22	0.26	0.0075	0.0075	0.00155	0.005	0.75	0.5	0.00775	0.00775	2440	2360	0.05	0.05
Maximum	0.0025	0.003	NA	NA	0.25	77	6.00	0.2	0.2	4.60	3.90	1.70	1.70	0.05	0.05	20	20	1.55	1.55	0.05	0.05	4300	4500	0.600	0.431
% of values undetected	100%	86%			86%	0%	43%	57%	57%	0%	0%	14%	0%	100%	100%	86%	86%	57%	71%	100%	100%	0%	0%	43%	67%
# of values between MDL and PQL	0	1			0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.06	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.045	0.045	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	43%	43%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1705																									
Sample Date																									
05/22/04	**0.00125**	**0.00125**			**0.0155**	**3.90**	**3.90**	**0.0385**	R	0.51	0.75	1.54		**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	8500	7760	**0.100**	0.288
09/16/04	**0.00125**	**0.00125**			**0.066**	**12.5**	**12.5**	**0.0385**	**0.0896** J	0.70	0.77	2.49	2.37	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	8760	8560	0.361	0.328
03/17/05																									
07/18/05	**0.00125**	**0.00125**			**0.0155**	5.64	**1**	0.0582	0.0542 +	1.75	1.64	2.53	2.44	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	10200	10100	0.561	0.737
08/23/05																									
10/06/05	**0.00125**	**0.00125**			**0.0155**	**1**	**1.11**	0.0562	0.0418	1.85	1.41	2.43	2.17	**0.0075**	**0.0075**	**0.00155**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	10400	8850	0.788	0.508
03/17/06	**0.00125**	**0.00125**			**0.0155**	10.1	3.26	0.0832	0.0642	1.52	1.57	2.38	2.50	**0.012**	**0.012**	**0.025**	**0.0075**	**2.5**	**0.75**	**0.0125**	**0.0125**	8830	9570	0.561	0.703
06/28/06	**0.00105**	**0.00075**			**0.050**	4.78		0.0668	0.0602	1.39		2.58		**0.0120**	**0.0120**	**0.0208**	**0.0075**	**2.50**	**0.75**	**0.0125**	**0.0125**	9410	8880	0.875	0.858
08/25/06	**0.00075**	**0.00075**			**0.0440**	6.16	**1.62**	0.0668	**0.0348** J	1.64	1.33	2.56	2.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10300	9440	0.813	0.748
10/06/06	**0.00075**	**0.0030**			**0.0155**	4.66	**1.00**	**0.0372**	**0.0462** J	0.71	0.83	2.41		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9550	9810	0.215	0.339
03/25/07	**0.00075**	**0.00075**			**0.0155**	40.5	2.10	0.0742	0.0752	1.54	1.34	2.97	2.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	9640	0.633	0.394
05/24/07	**0.00075**	**0.00075**			**0.0155**	25.9	2.79	0.0584	0.0658	0.81	0.82	2.61		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9050	9270	0.617	0.348
08/04/07	**0.015**	**0.0025**			**0.025**	23.0	8.00	**0.2**	**0.2**	1.10	1.30	2.80		**0.05**	**0.05**	**20**	**20**	1.80	1.60	**0.05**	**0.05**	10300	10200	**0.3**	0.6
09/06/07	**0.0025**	**0.0025**			**0.025**	14.0	**2.5**	**0.2**	**0.2**	**0.8**	1.20	2.30	2.80	**0.05**	**0.05**	**20**	**20**	1.40	1.80	**0.05**	**0.05**	10200	10600	**0.25**	**0.25**
10/24/07	**0.015**	**0.0025**			**0.025**	16.0	**2.5**	**0.2**	**0.2**	1.00	**0.9**	3.60	4.10	**0.05**	**0.05**	**20**	**20**	1.50	2.00	**0.05**	**0.05**	8900	9800	**0.25**	**0.25**
Mean	0.0033	0.0015	NA	NA	0.0264	12.9	3.52	0.0906	0.0943	1.18	1.16	2.55	2.65	0.02	0.02	4.737	4.7347	1.61	1.39	0.021	0.021	9590	9420	0.486	0.489
Median	0.00125	0.00125	NA	NA	0.0155	10.1	2.5	0.0668	0.065	1.10	1.25	2.53	2.47	0.0125	0.0125	0.0208	0.0075	1.55	1.55	0.0155	0.0155	9550	9570	0.561	0.394
St. Deviation	0.0052	0.0008	NA	NA	0.0165	11.2	3.41	0.0638	0.0654	0.46	0.32	0.46	0.62	0.018	0.018	8.706	8.7068	0.43	0.36	0.017	0.017	720	760	0.256	0.215
# of values	13	13	0	0	13	13	12	13	12	13	12	13	8	13	13	13	13	13	13	13	13	13	13	13	13
Minimum	0.00075	0.00075	NA	NA	0.0155	1	1.00	0.0372	0.0348	0.51	0.75	1.54	2.17	0.0075	0.0075	0.00155	0.00155	1.25	0.75	0.0075	0.0075	8500	7760	0.1	0.25
Maximum	0.015	0.003	NA	NA	0.066	40.5	12.5	0.2	0.2	1.85	1.64	3.60	4.10	0.05	0.05	20	20	2.50	2.00	0.05	0.05	10400	10600	0.875	0.858
% of values undetected	100%	92%			85%	23%	50%	38%	25%	0%	0%	0%	0%	100%	100%	92%	100%	77%	77%	100%	100%	0%	0%	23%	15%
# of values between MDL and PQL	0	1			2	0	2	1	3	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.95	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.104	0.100	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1605																									
Sample Date																									
08/24/05																									
10/05/05	0.0222	0.0278	0.114	0.178	**6.59**	**3.1**	**0.0155**		611	553	**0.161**	**0.1**	**0.000450**		1.06	1.08	0.127		141	147	**0.0775**	**0.0775**	3920	**0.0031**	**0.0031**
06/27/06	**0.0100**	**0.0100**	**0.050**	0.154	**6.89**	**3.10**	0.373		453	440	0.322	0.128	**0.00250**		0.998	0.939	**0.100**		97.0	99.4	**0.155**	**0.155**	2440	**0.0031**	**0.0031**
08/27/06	**0.0156**	**0.0160**	0.111		**8.85**	**3.10**	**0.0448**		607	586	0.467	0.146	**0.000475**		1.07	1.04	**0.194**	0.394	156	152	**0.155**	**0.155**	3090	**0.0066**	**0.0031**
10/04/06	**0.0154**	**0.0150**	**0.050**	0.142	**14.1**	**6.36**	**0.0744**	**0.0155**	602	635	0.415	0.0834	**0.00127**		1.23	1.25	0.222	**0.128**	129	140	**0.155**	**0.155**	3350	**0.0066**	**0.0031**
08/06/07	**0.025**	**0.025**	**0.25**	**0.25**	90	**10**	**0.05**	**0.05**	**700**	**800**	**1.7**	**0.25**	**0.00250**		**1.3**	**1.3**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.1**	3400	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**1.1**	100	**10**	**0.05**	**0.05**	**600**	**700**	5.60	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.1**	**0.05**	3100	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	90	**10**	**0.05**	**0.05**	**500**	**600**	**0.6**	**0.25**	**0.000746**		**1.5**	**1.5**	**0.3**	**0.3**	**300**	**150**	**0.05**	**0.05**	3600	**0.025**	**0.025**
Mean	0.02	0.021	0.154	0.346	45.2	6.5	0.0940	0.0410	582	620	1.32	0.170	0.00149	NA	1.24	1.23	0.220	0.280	160	260	0.106	0.106	3270	0.014	0.013
Median	0.0222	0.025	0.114	0.214	14.1	6.4	0.0500	0.0500	602	600	0.467	0.146	0.00127	NA	1.23	1.25	0.222	0.300	150	150	0.100	0.100	3350	0.0066	0.0031
St. Deviation	0.006	0.007	0.094	0.372	45.2	3.5	0.124	0.0170	81	110	1.95	0.0800	0.000980	NA	0.210	0.220	0.0800	0.100	60.0	330	0.0490	0.0490	470	0.011	0.012
# of values	7	7	7	6	7	7	7	4	7	7	7	7	7	0	7	7	7	5	7	7	7	7	7	7	7
Minimum	0.01	0.01	0.050	0.142	6.59	3.10	0.0155	0.0155	453	440	0.161	0.0834	0.000450	NA	0.998	0.939	0.100	0.128	97	99.4	0.05	0.05	2440	0.0031	0.0031
Maximum	0.025	0.0278	0.25	1.1	100	10	0.373	0.05	700	800	5.60	0.25	0.00250	NA	1.5	1.5	0.3	0.394	300	1000	0.155	0.155	3920	0.025	0.025
% of values undetected	57%	57%	71%	33%	0%	86%	57%	100%	0%	0%	0%	57%	71%		29%	29%	57%	60%	29%	43%	86%	86%	0%	71%	100%
# of values between MDL and PQL	2	2	0	1	4	1	2	0	3	3	3	0	2		1	1	1	1	1	0	1	1	0	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.178	1.131	1000	1000	0.146	0.167	NA	NA	NA	NA	0.012	0.012	NA	NA	6.72	6.70	NA	NA	5	4.6	NA	0.063035638	0.054
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1705																									
Sample Date																									
05/22/04	**0.0155**		**0.100**	**0.100**	63.5	52.1	**0.050**	**0.050**	1380	1360	**0.250**		**0.0005**		**0.315**	**0.358**	0.236	0.322	353	354	**0.155**	**0.155**	5820	**0.00310**	**0.00310**
09/16/04	**0.0155**		0.274	**0.1**	**3.1**	**3.1**	**0.05**	**0.05**	1530	1550	**0.5**	**0.5**	**0.0005**		**0.155**	**0.155**	0.250		391	392	**0.155**	**0.155**	6350	**0.0031**	**0.0031**
03/17/05																									
07/18/05	0.0186	0.0168	0.143	0.211	**10**	21.4	1.35	0.166	1610	1570	**0.1**	**0.1**	**0.000450**		0.304	0.295	0.361		432	437	**0.0775**	**0.0775**	6280	**0.0031**	**0.0031**
08/23/05																									
10/06/05	0.0218	0.0312	0.168	0.170	**3.1**	**3.1**	**0.0155**		1570	1330	**0.031**	**0.1**	**0.000450**		0.230	0.235	0.307		404	365	**0.0775**	**0.0775**	7160	**0.0031**	**0.0031**
03/17/06	0.0204	0.0226	0.264	0.175	**7.54**	**3.1**	**0.025**		1460	1620	0.209	0.114	**0.000475**		0.376	0.320	0.244		364	405	**0.155**	**0.155**	2430	**0.0031**	**0.0031**
06/28/06	0.0534		0.264		**8.81**		0.303	0.323	1480	1410	0.119		**0.00250**		0.291	0.200	0.990	0.547	403	395	**0.155**	**0.155**	6290	**0.0031**	**0.0031**
08/25/06	0.0262	**0.0065**	0.182	0.228	**9.65**	29.3	0.259	0.103	1620	1300	0.176	0.118	**0.00250**		0.288	0.325	0.382	0.482	463	390	**0.155**	**0.155**	5350	**0.0031**	**0.0031**
10/06/06	**0.0065**	**0.0152**	**0.050**	0.179	**17.3**	21.3	**0.0586**	**0.0155**	1410	1500	0.159	0.158	**0.000995**		0.250	0.299	**0.112**	**0.176**	462	488	**0.155**	**0.155**	5800	**0.0031**	**0.0031**
03/25/07	0.0252		0.130		33.8	**3.10**	**0.050**	**0.050**	1610	1540	1.45		**0.000351**		0.305	0.294	0.348		431	404	**0.155**	**0.155**	6170	**0.0031**	**0.0031**
05/24/07	0.0226	0.0368	0.131		49.2	37.5	**0.050**	**0.050**	1620	1730	0.696	0.358	**0.000169**		0.300	0.334	0.453	0.531	399	463	**0.155**	**0.155**	6310	**0.0031**	**0.0031**
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**30**	**10**	**0.05**	**0.05**	1500	1700	**0.6**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.2**	**0.05**	6200	**0.025**	**0.025**
09/06/07	**0.06**	**0.025**	**0.25**	**0.25**	60	**25**	**0.05**	**0.05**	1600	1700	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**500**	**0.1**	**0.2**	6300	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1500	1600	**0.6**	**0.25**	**0.000399**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**400**	**0.05**	**0.05**	6900	**0.025**	**0.025**
Mean	0.0258	0.0227	0.189	0.191	23.5	18.0	0.182	0.0870	1530	1530	0.400	0.220	0.000920	NA	0.274	0.274	0.353	0.370	500	396	0.134	0.130	5950	0.0082	0.0082
Median	0.0226	0.025	0.182	0.195	10	16.0	0.0500	0.0500	1530	1550	0.250	0.200	0.0004745	NA	0.288	0.294	0.300	0.311	404	400	0.155	0.155	6280	0.0031	0.0031
St. Deviation	0.0148	0.0089	0.074	0.057	21.7	16.0	0.362	0.0880	80	140	0.380	0.130	0.000922	NA	0.0530	0.0580	0.208	0.133	224	86.0	0.0430	0.0480	1150	0.0096	0.0096
# of values	13	9	13	10	13	12	13	11	13	13	13	10	13	0	13	13	13	8	13	13	13	13	13	13	13
Minimum	0.0065	0.0065	0.050	0.1	3.1	3.10	0.0155	0.0155	1380	1300	0.031	0.1	0.000169	NA	0.155	0.155	0.112	0.176	353	150	0.05	0.05	2430	0.00310	0.00310
Maximum	0.06	0.0368	0.274	0.25	63.5	52.1	1.35	0.323	1620	1730	1.45	0.5	0.00250	NA	0.376	0.358	0.990	0.547	1000	500	0.2	0.2	7160	0.025	0.025
% of values undetected	38%	44%	38%	50%	31%	58%	69%	73%	0%	0%	38%	60%	77%		31%	31%	23%	38%	15%	8%	85%	92%	0%	100%	100%
# of values between MDL and PQL	1	1	0	0	5	0	1	0	0	0	2	0	3		1	1	1	1	1	2	2	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.101	2.977	1000	1000	0.617	0.604	NA	NA	NA	NA	0.012	0.012	NA	NA	17.53	17.48	NA	NA	5	4.6	NA	0.44226261	0.376
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1605										
Sample Date										
08/24/05										
10/05/05	1450	1340	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.271**	**0.1**	2.33	**1.17**
06/27/06	1170	1200	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.250**	**0.110**	1.25	
08/27/06	1400	1390	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.868**	1.17
10/04/06	1430	1460	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
08/06/07	**1500**	**1600**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/08/07	**1400**	**1500**	0.600	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/26/07	**1400**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	1400	1400	0.102	0.0237	0.0420	0.0420	0.190	0.140	1.10	2.70
Median	1400	1460	0.00500	0.00500	0.0500	0.0500	0.250	0.100	1.00	1.17
St. Deviation	100	100	0.221	0.0247	0.0140	0.0140	0.080	0.0700	0.600	2.10
# of values	7	7	7	7	7	7	7	7	7	5
Minimum	1170	1200	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	1
Maximum	1500	1600	0.600	0.05	0.05	0.05	0.271	0.250	2.33	5
% of values undetected	0%	0%	86%	100%	100%	100%	86%	100%	57%	60%
# of values between MDL and PQL	3	3	0	0	0	0	1	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	15.40	15.18
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP1705										
Sample Date										
05/22/04	2310	2190	**0.0125**	**0.0125**	**0.155**	**0.50**	0.550	**0.200**	**0.75**	1.56
09/16/04	2460	2520	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.265**	0.409	**0.75**	**0.75**
03/17/05										
07/18/05	2660	2620	**0.0031**	**0.0031**	**0.031**	**0.031**	0.661	0.814	13.6	2.67
08/23/05										
10/06/05	2500	2140	**0.0031**	**0.0031**	**0.031**	**0.031**	0.772	0.453	1.59	**1.02**
03/17/06	2400	2650	**0.0025**	**0.0025**	0.209	**0.0155**	0.732	0.784	0.954	
06/28/06	2440	2260	0.0112	**0.0070**	**0.0155**	**0.0155**	0.572	1.04	1.20	
08/25/06	2630	2100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.707**	**0.548**	4.89	1.13
10/06/06	2290	2400	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.814**	**0.700**	**0.50**	
03/25/07	2560	2470	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.497**	**0.441**	**0.50**	
05/24/07	2550	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.02	1.61
08/04/07	2600	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.4**	**0.4**	**1**	**1**
09/06/07	2600	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.6**	**0.4**	**1**	**1**
10/24/07	2300	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	2480	2480	0.0165	0.0162	0.0730	0.0840	0.556	0.526	2.20	1.30
Median	2500	2520	0.00500	0.00500	0.0500	0.0500	0.572	0.453	1.00	1.02
St. Deviation	130	240	0.0194	0.0195	0.0590	0.129	0.195	0.250	3.60	0.580
# of values	13	13	13	13	13	13	13	13	13	9
Minimum	2290	2100	0.0025	0.0025	0.0155	0.0155	0.155	0.155	0.50	0.75
Maximum	2660	2800	0.05	0.05	0.209	0.5	0.814	1.04	13.6	2.67
% of values undetected	0%	0%	92%	92%	92%	100%	15%	23%	54%	44%
# of values between MDL and PQL	0	0	0	1	0	0	6	5	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	40.20	39.64
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP1805																					
Sample Date																					
07/17/05	7.08	3.12			78	-67.6	0.99	34.8	75.0	48.7	3.4	**0.785**	35.0	0.051			0.051		0.833	0.037	2.55
08/23/05	8.17	3.14	10.98	82	74	233.3	1.65														
10/06/05	7.55	3.09	9.37	69.7	74	241.8	0.16	34.6	75.0	51.0	0.202	**0.785**	34.5	0.126			0.018		0.748	**0.05**	2.81
03/17/06	8.08	3.06	7.72	57.4	75	-170.4	0.39	29.6	550	58.7	0.588	**0.785**	34.0	0.0985			0.017		0.79	**0.0155**	2.76
06/28/06	7.77	3.15	8.85	66.1	74	-94.7	0.12	30.1	70.0	53.8	0.625	**0.785**	36.0	0.303	**0.050**	0.260	0.0255		0.749	0.0540	2.57
08/25/06	8.43	3.24	9.3	69.5	44	92.2	0.13	33.5	70.0	57.5	12.3	**1.57**	35.0	0.104	0.0520	0.0515	0.0230	**0.0155**	0.776	0.0470	2.58
10/06/06	8.37	3.10	8.53	63.5	73	23.5	0.67	32.6	70.0	61.3	0.505	**1.57**	36.0	**0.050**	**0.0155**	0.0790	0.0190	**0.0155**	0.773	0.0720	2.71
03/24/07	8.29	3.10	9.81	73.2	71	184.3	0.16	32.2	70.0	52.5	1.28	**1.57**	38.0	0.129	**0.0155**	0.0985	0.0160	**0.05** J	0.791	0.0500	2.47
05/24/07	8.54	3.15	9.92	74.1	72	196.9	0.28	33.2	70.0	42.5	14.0	**1.57**	35.0	0.103			0.0230		0.798	0.0570	2.47
08/04/07	7.88	3.15	10.28	76.7	73	204.4	0.56	32.0	77.0	40.0	6	**1**	34.0	0.03			0.02		1.0	**0.05**	2.5
09/06/07	8.43	3.16	9.61	72	72	131.2	0.08	34.0	74.0	60.0	**2.5**	**1**	35.0	0.09			**0.005**		1.0	**0.05**	2.7
10/24/07	8.13	3.02	6.71	49.9	71	71.1	0.18	36.0	76.0	50.0	8	**1**	34.0	0.07			0.01		1.0	**0.05**	2.7
06/02/08	8.54	3.24	9.45	70.8	71	222.9	0.16	32.1	70.9	50.0	1.16	**1.57**	38.1	0.166			0.02		0.711	0.073	2.22
08/02/08	8.13	3.18	10.23	76.5	73	225.4	0.13	33.4	46.5	58.8	0.619	**1.57**	36.8	0.107			0.0251		0.634	0.041	2.13
09/17/08	8.67	3.12	10.47	78.1	76	216	0.18	32.0	76.9	40.0	**0.1615**	**1.57**	36.9	0.106			0.023		0.669	0.05	2.19
11/04/08	7.96	2.96	9.14	67.8	73	213.6	0.26	32.4	81.7	33.8	0.417	**1.57**	35.5	0.124			0.0236		0.654	0.05	2.26
Mean	8.13	3	9.360	69.8	72	120.2	0.4	32.8	104	50.6	3.45	1.25	36.0	0.111	0.033	0.122	0.021	0.027	0.795	0.050	2.51
Median	8.15	3	9.450	70.8	73	190.6	0.2	32.6	74.0	51.0	1.16	1.57	35.0	0.104	0.033	0.089	0.020	0.0155	0.776	0.050	2.55
St. Deviation	0.41	0	1.090	8.30	8.0	132.3	0.4	1.7	124	8.3	4.56	0.37	1.0	0.064	0.021	0.094	0.010	0.020	0.120	0.013	0.22
# of values	16	16	15	15	16	16	16	15	15	15	15	15	15	15	4	4	15	3	15	15	15
Minimum	7.08	2.96	6.71	49.9	44	-170.4	0.08	29.6	46.5	33.8	0.1615	0.785	34.0	0.03	0.0155	0.0515	0.005	0.0155	0.634	0.0155	2.13
Maximum	8.67	3.24	10.98	82	78	241.8	1.65	36	550	61.3	14.0	1.57	38.1	0.303	0.052	0.26	0.051	0.050	1	0.073	2.81
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	100%	0%	7%	75%	0%	7%	100%	0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	6	0	0	5	1	3	3	0	3	10	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	NA	10	NA	NA	NA	NA	4	250
% of CALC exceedences	19%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1805																									
Sample Date																									
07/17/05	**0.00125**	**0.00125**			**0.0155**	36.5	6.16	0.111	0.0984 +	5.97	5.45	1.46	1.22	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**1.55**	**0.00775**	**0.00775**	11900	11800	0.617	0.674
08/23/05																									
10/06/05	**0.00125**	**0.00125**			**0.0155**	12	5.86	0.124	0.127	6.31	6.49	1.36	1.38	**0.0075**	**0.0075**	**0.0076**	**0.00155**	**1.55**	**4.8**	**0.00775**	**0.00775**	12000	11700	0.957	1.000
03/17/06	**0.00125**	**0.00125**			**0.0155**	19.4	12.1	0.125	0.109	5.66	6.02	1.53	1.30	**0.012**	**0.012**	**0.0075**	**0.025**	**0.75**	**2.5**	**0.0125**		10200	10800	0.796	0.904
06/28/06	**0.00105**	**0.00075**			**0.050**	16.0	4.76	0.111	0.123	6.11	6.14	1.36	1.29	**0.0120**	**0.0120**	**0.0202**	**0.0150**	**0.75**	**2.50**	**0.0125**	**0.0125**	10500	10800	0.907	1.030
08/25/06	**0.00075**	**0.00075**			**0.0155**	33.8	14.8	0.113	0.0944	6.47	5.95	1.60	1.70	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	11500	11200	1.010	1.060
10/06/06	**0.00075**	**0.00075**			**0.0155**	9.23	4.06	0.103	0.0994	5.98	6.08	1.30		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	11400	11600	0.757	0.574
03/24/07	**0.0025**	**0.00075**			**0.0155**	29.9	5.64	0.126	0.129	6.17	6.20	1.64	1.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11000	11200	0.702	0.603
05/24/07	**0.00075**	**0.00075**			**0.050**	109	8.19	0.120	0.115	6.26	5.79	2.21	1.34	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11600	10500	0.909	0.690
08/04/07	**0.0025**	**0.015**			**0.025**	17.0	20.0	**0.2**	**0.2**	6.00	6.10	1.30	1.40	**0.05**	**0.05**	**80**	**20**	1.20		**0.05**	**0.05**	12000	11000	0.900	0.700
09/06/07	**0.0025**	**0.0025**			**0.025**	15.0	6.00	**0.2**	**0.2**	6.00	6.00	1.40	1.90	**0.05**	**0.05**	**20**	**20**	2.00	1.60	**0.05**	**0.05**	11500	11700	**0.25**	**0.25**
10/24/07	**0.0025**	**0.0025**			**0.025**	45.0	9.00	**0.2**	**0.2**	5.80	6.10	2.90	3.20	**0.05**	**0.05**	**20**	**20**	1.50	1.50	**0.05**	**0.05**	12000	12300	1.100	1.000
06/02/08	**0.00075**	**0.00075**			0.363	30.3	12.0	**0.0447**	**0.0406** J	6.36	6.28	1.62	1.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11100	10800	0.688	0.692
08/02/08	**0.00075**	**0.0023**			**0.0327**	28.4	6.60	0.114	0.118	6.38	6.57	1.55		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11600	11800	0.794	0.796
09/17/08	**0.00075**	**0.00075**			**0.050**	9.35	5.87	0.106	0.119	6.38	6.60	1.30		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11000	11500	0.830	0.988
11/04/08	**0.00075**	**0.00075**			**0.050**	12.7	6.47	0.121	0.121	6.48	6.69	1.33	1.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11200	11600	0.491	
Mean	0.0013	0.00214	NA	NA	0.0509	28.2	8.50	0.128	0.126	6.16	6.16	1.59	1.60	0.0193	0.0193	8.0065	4.0069	1.52	1.75	0.0182	0.0186	11400	11400	0.781	0.783
Median	0.00105	0.00075	NA	NA	0.025	19.4	6.47	0.12	0.119	6.17	6.10	1.46	1.40	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0078	11500	11500	0.796	0.748
St. Deviation	0.0008	0.00362	NA	NA	0.0875	24.9	4.41	0.042	0.044	0.25	0.33	0.43	0.50	0.016	0.016	21.1093	8.2772	1.01	0.98	0.0169	0.0175	500	500	0.214	0.229
# of values	15	15	0	0	15	15	15	15	15	15	15	15	12	15	15	15	15	15	14	15	14	15	15	15	14
Minimum	0.00075	0.00075	NA	NA	0.0155	9.23	4.06	0.0447	0.0406	5.66	5.45	1.30	1.22	0.0075	0.0075	0.00155	0.00155	0.75	1.25	0.0075	0.0075	10200	10500	0.25	0.25
Maximum	0.0025	0.015	NA	NA	0.363	109	20.0	0.2	0.2	6.48	6.69	2.90	3.20	0.05	0.05	80	20	5	4.8	0.05	0.05	12000	12300	1.100	1.060
% of values undetected	100%	93%			87%	0%	0%	20%	20%	0%	0%	0%	0%	100%	100%	80%	93%	80%	79%	100%	100%	0%	0%	7%	7%
# of values between MDL and PQL	0	1			1	0	0	1	1	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	4.62	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.111	0.106	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	7%	NA	NA	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1805																									
Sample Date																									
07/17/05	0.0190	**0.0078**	**0.05**		49.9	**3.1**	**0.0155**		1230	1230	1.49	**0.1**	**0.000450**		0.497	0.478	0.361		436	442	**0.0775**	**0.0775**	4840	**0.0031**	**0.0031**
08/23/05																									
10/06/05	0.0274		**0.0954**	0.178	**3.1**	**3.1**	**0.0155**		1110	1160	0.225	**0.107**	**0.000450**		0.670	0.709	0.309		402	405	**0.0775**	**0.0775**	5210	**0.0031**	**0.0031**
03/17/06	0.0248	0.0252	0.107	0.190	**14.1**	**3.1**	6.93	0.235	1020	1060	0.447	0.108	**0.000475**		0.518	0.538	0.271		342	367	**0.155**	**0.426**	4870	**0.0031**	**0.0031**
06/28/06	0.0382	0.0408	0.128	0.196	**18.3**	**7.92**	0.158		960	1020	0.345	0.100	**0.000475**		0.433	0.448	0.560		344	361	**0.155**	**0.155**	5120	**0.0031**	**0.0031**
08/25/06	0.0334	**0.0065**	0.202	0.288	20.4	38.0	0.322	0.114	1150	938	1.19	0.659	**0.00250**		0.461	0.533	0.440	0.504	422	445	**0.155**	**0.155**	4440	**0.0031**	**0.0031**
10/06/06	**0.0158**	**0.0132**	**0.050**	0.149	30.7	27.6	**0.0155**	**0.0155**	1030	1080	0.233	0.0584	**0.000475**		0.560	0.471	**0.160**	0.215	368	382	**0.155**	**0.155**	4690	**0.0031**	**0.0031**
03/24/07	0.0238	**0.0100**	0.112	0.160	29.2	**7.75**	**0.0155**	**0.050**	1140	1130	0.980	**0.0250**	**0.000169**		0.543	0.567	0.446	0.469	378	384	**0.155**	**0.155**	5100	**0.0031**	**0.0031**
05/24/07	0.0464	**0.0168**	0.366	**0.050**	102	33.3	**0.050**	**0.0155**	1040	1010	2.46	0.0672	**0.00120**		0.478	0.501	0.406	0.359	384	362	**0.155**	**0.155**	4670	**0.0154**	**0.0100**
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1000	1000	**0.25**	**0.25**	**0.000169**		**0.25**	**0.5**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	5100	**0.025**	**0.025**
09/06/07	**0.08**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1100	**0.25**	**0.25**	**0.00250**		**1.5**	**0.25**	**1.5**	**0.3**	**300**	**400**	**0.1**	**0.05**	4800	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	50	**10**	**0.05**	**0.05**	1000	1200	**1**	**0.25**	**0.000408**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**400**	**0.05**	**0.05**	5200	**0.025**	**0.025**
06/02/08	**0.0155**	**0.0187**	**0.0885**	0.163	37.7	25.3	**0.0155**	**0.0155**	1060	1070	0.754	0.594	**0.00075**		0.417	0.390	**0.184**		367	377	**0.155**	**0.155**	4970	**0.0031**	**0.0031**
08/02/08	**0.0181**	**0.0144**	0.101	0.172	42.5	32.2	**0.0155**	**0.0155**	1080	1160	0.410	0.0704	**0.00075**		0.504	0.529	0.308	0.419	375	395	**0.155**	**0.155**	5350	**0.0031**	**0.0031**
09/17/08	**0.0133**	**0.0162**	0.121		28.9	46.1	**0.0155**	**0.0337**	1070	1190	0.186	0.141	**0.00075**		0.518	0.518	0.241	0.378	371	411	**0.155**	**0.155**	5190	**0.0031**	**0.0031**
11/04/08	**0.0127**	**0.0133**	0.148		36.6	33.9	**0.0155**	**0.0381**	1040	1090	0.250	0.125	**0.00075**		0.523	0.544	0.288	0.432	368	398	**0.155**	**0.155**	5200	**0.0031**	**0.0146**
Mean	0.0279	0.0184	0.155	0.191	32.2	19.4	0.516	0.0569	1070	1100	0.698	0.194	0.000818	NA	0.541	0.482	0.405	0.368	410	435	0.127	0.142	4980	0.0083	0.0087
Median	0.0248	0.0165	0.121	0.184	29.2	10.0	0.0155	0.0441	1060	1090	0.410	0.108	0.000475	NA	0.504	0.501	0.308	0.369	371	398	0.155	0.155	5100	0.0031	0.0031
St. Deviation	0.0172	0.0091	0.090	0.063	24.2	14.8	1.78	0.0625	70	80	0.639	0.190	0.00073	NA	0.286	0.116	0.320	0.0900	167	158	0.0430	0.0910	260	0.0092	0.0091
# of values	15	14	15	12	15	15	15	12	15	15	15	15	15	0	15	15	15	10	15	15	15	15	15	15	15
Minimum	0.0127	0.0065	0.05	0.050	3.1	3.1	0.0155	0.0155	960	938	0.186	0.0250	0.000169	NA	0.25	0.25	0.160	0.215	300	361	0.05	0.05	4440	0.0031	0.0031
Maximum	0.08	0.0408	0.366	0.288	102	46.1	6.93	0.235	1230	1230	2.46	0.659	0.00250	NA	1.5	0.709	1.5	0.504	1000	1000	0.155	0.426	5350	0.025	0.025
% of values undetected	13%	36%	33%	33%	20%	40%	80%	67%	0%	0%	13%	33%	87%		20%	13%	20%	30%	7%	7%	93%	93%	0%	93%	87%
# of values between MDL and PQL	6	7	2	0	2	2	0	2	0	0	1	1	2		0	1	2	0	2	2	1	1	0	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.330	3.197	1000	1000	0.686	0.663	NA	NA	NA	NA	0.012	0.012	NA	NA	18.81	18.75	NA	NA	5	4.6	NA	0.510272919	0.434
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1805										
Sample Date										
07/17/05	2630	2700	**0.0031**	**0.0031**	**0.031**	**0.031**	2.34	2.63	12.2	13.6
08/23/05										
10/06/05	2460	2550	**0.0154**	**0.0031**	**0.0748**	**0.0744**	2.68	2.53	2.22	**1.4**
03/17/06	2200	2280	**0.0025**	**0.0025**	**0.05**	**0.0155**	2.29	2.27	11.9	1.12
06/28/06	2070	2230	**0.0082**	**0.0070**	**0.0155**	**0.0155**	2.27	2.19	0.923	
08/25/06	2440	2020	**0.0050**	**0.0050**	**0.050**	**0.050**	2.42	1.98	1.86	1.05
10/06/06	2220	2280	0.0296	**0.0050**	**0.050**	**0.050**	2.94	2.56	2.07	**0.50**
03/24/07	2420	2650	**0.0050**	**0.0050**	**0.050**	**0.050**	2.08	2.16	**0.50**	1.61
05/24/07	2270	2220	**0.0050**	**0.0050**	**0.050**	**0.050**	2.45	2.22	**0.50**	**0.50**
08/04/07	2200	2300	**0.05**	**0.05**	**0.05**	**0.05**	2.00	2.40	**1**	**1**
09/06/07	2300	2300	**0.05**	**0.05**	**0.05**	**0.05**	2.80	2.20	**1**	**1**
10/24/07	2200	2600	**0.25**	**0.05**	**0.05**	**0.05**	1.90	2.30	**1**	**1**
06/02/08	2300	2320	**0.0050**	**0.0050**	**0.050**	**0.050**	2.28	2.14	**0.677**	**0.579**
08/02/08	2350	2410	**0.0050**	**0.0050**	**0.050**	**0.050**	2.44	2.42	1.35	**0.50**
09/17/08	2320	2400	**0.0050**	**0.0050**	**0.050**	**0.050**	2.12	2.24	**0.50**	**0.50**
11/04/08	2220	2330	**0.0050**	**0.0050**	**0.050**	**0.050**	2.28	2.30	**0.50**	1.31
Mean	2310	2370	0.0296	0.0137	0.0480	0.0460	2.35	2.30	2.55	2.00
Median	2300	2320	0.00500	0.00500	0.0500	0.0500	2.29	2.27	1.00	1.00
St. Deviation	140	180	0.0631	0.0188	0.0120	0.0150	0.290	0.180	3.90	3.00
# of values	15	15	15	15	15	15	15	15	15	14
Minimum	2070	2020	0.0025	0.0025	0.0155	0.0155	1.90	1.98	0.50	0.50
Maximum	2630	2700	0.25	0.05	0.0748	0.0744	2.94	2.63	12.2	13.6
% of values undetected	0%	0%	80%	93%	93%	93%	0%	0%	47%	50%
# of values between MDL and PQL	0	0	2	1	1	1	0	0	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	43.14	42.53
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP1905																					
Sample Date																					
03/15/05	7.55	3.60	11.96	90.2																	
07/17/05	6.97	3.69			70	-53.2	0.2	30.6	70.0	53.8	1.16	**2.5**	29.0	0.292			0.0505		0.977	**0.096**	0.49
08/21/05	7.20	3.74	8.04	60.9	72	111.2	0.28														
10/06/05	7.00	3.99	9.11	69.5	68	216	0.1	27.1	75.0	42.0	2.5	**2.75**	28.0	0.437			**0.011**		0.787	**0.05**	4.70
06/28/06	7.36	3.53	8.56	64.5	67	-56.6	0.35	26.2	60.0	50.0	2.60	**3.25**	27.0	0.397	**0.050**	0.359	0.0140	**0.05** J	0.802	**0.0410**	4.15
08/26/06	7.48	3.76	9.05	68.6	66	113.2	0.14	30.3	65.0	61.2	5.00	**1.57**	30.0	0.323	**0.0575**	0.265	0.0230	**0.0155**	0.780	**0.0470**	4.39
10/06/06	7.08	3.86	7.96	60.7	67	55.6	0.13	29.5	65.0	57.5	3.92	**1.57**	30.0	0.290	**0.0155**	0.280	0.0210	**0.0155**	0.801	**0.0570**	4.54
03/24/07	7.24	3.65	10.48	79.5	70	225.4	0.11	27.9	65.0	77.5	8.45	**1.57**	32.0	0.393	**0.0155**	0.363	0.0210	**0.05** J	0.951	**0.0420**	4.96
05/24/07	7.43	3.57	9.76	73.6	68	196.1	0.07	29.1	70.0	47.5	**0.444**	**4.00**	29.0	0.320			**0.0060**		0.797	**0.0540**	4.28
08/04/07	7.33	3.85	9.97	75.8	69	198.5	0.7	31.0	71.0	40.0	**2.5**	**1**	30.0	0.260			**0.005**		**1.0**	**0.05**	4.40
09/06/07	7.15	3.87	9.3	70.8	43	166	0.06	33.0	72.0	50.0	**2.5**	**1**	31.0	0.240			**0.005**		**1.0**	**0.05**	4.80
10/24/07	7.29	3.85	6.58	50	70	72.9	0.08	31.0	73.0	50.0	**2.5**	**1**	29.0	0.340			**0.005**		**0.9**	**0.05**	3.90
Mean	7.26	4	9.160	69.5	66	113.0	0.20	29.6	69.0	53.0	3.2	2.0	30.0	0.330	0.0346	0.317	0.016	0.033	0.880	0.05	4.06
Median	7.27	4	9.110	69.5	68	113.2	0.13	29.9	70.0	50.0	2.5	1.6	30.0	0.320	0.03275	0.3195	0.013	0.0328	0.851	0.05	4.40
St. Deviation	0.19	0	1.430	10.7	8.0	101.0	0.2	2.1	5	11.0	2.2	1.1	1.0	0.060	0.0223	0.051	0.014	0.02	0.095	0.02	1.29
# of values	12	12	11	11	11	11	11	10	10	10	10	10	10	10	4	4	10	4	10	10	10
Minimum	6.97	3.53	6.58	50	43	-56.6	0.06	26.2	60	40.0	0.444	1	27.0	0.240	0.0155	0.265	0.005	0.0155	0.78	0.041	0.49
Maximum	7.55	3.99	11.96	90.2	72	225.4	0.7	33	75	77.5	8.45	4	32.0	0.437	0.0575	0.363	0.0505	0.05	1	0.096	4.96
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	60%	0%	0%	75%	0%	30%	100%	0%	40%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	4	0	0	1	0	2	0	3	6	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2005																					
Sample Date																					
07/18/05	7.37	4.47			34	83.8	0.35	15.5	35.0	22.5	1.41	**0.785**	15	0.726			0.04		0.713	**0.0155**	0.81
08/21/05	6.32	4.76	7.89	61.5	36	213.1	0.26														
10/05/05	6.24	3.93	12.25	93.5	34	227.9	0.1	14.3	35.0	18.0	**0.2**	**3.75**	15	0.309			**0.00165**		0.668	**0.05**	0.79
06/29/06	5.68	3.88	10.56	80.3	32	-29.2	0.14	13.3	31.0	23.7	1.43	**3.75**	14.0	**0.0155**	**0.0155**	**0.0155**	**0.0040**	**0.05** J	0.719	**0.0155**	0.79
08/27/06	6.39	3.35	8.26	62	31	113.9	0.19	14.6	30.5	41.2	0.808	**4.00**	14.0	**0.0905**	**0.0155**	**0.0875**	**0.00155**	**0.0155**	0.807	**0.0310**	0.76
10/03/06	6.06	3.62	10.65	80.3	35	206.1	0.2	14.9	34.0	41.3	**0.0815**	**4.25**	14.0	**0.050**	**0.0155**	**0.050**	**0.00155**	**0.05** J	0.886	**0.0670**	0.78
08/04/07	7.02	4.93	8.91	70	32	183.9	3.96	12.0	33.0	30.0	38	**1**	**13**	**0.03**			**0.03**		**1.4**	**0.05**	**0.9**
09/05/07	6.50	5.77	9.19	73.6	30	153.6	0.05	14.0	32.0	30.0	**8**	**1**	**13**	**0.06**			**0.005**		**1.3**	**0.05**	**1.2**
10/24/07	7.01	2.35	7.34	52.8	37	62.1	0.07	16.0	39.0	20.0	**2.5**	**1**	**16**	0.13			**0.005**		**0.8**	**0.05**	**0.25**
Mean	6.51	4	9.380	71.8	33	135.0	0.6	14.3	34	28.0	6.6	2.4	14	0.176	0.0155	0.051	0.011	0.039	0.912	0.04	0.79
Median	6.39	3.93	9.050	71.8	34	153.6	0.19	14.5	34	27.0	1.4	2.4	14	0.075	0.0155	0.050	0.005	0.050	0.804	0.05	0.79
St. Deviation	0.53	1	1.650	13.0	2.0	85.00	1.3	1.3	3	9.0	13	1.6	1	0.241	0	0.036	0.015	0.02	0.280	0.02	0.26
# of values	9	9	8	8	9	9	9	8	8	8	8	8	8	8	3	3	8	3	8	8	8
Minimum	5.68	2.35	7.34	52.8	30	-29.2	0.05	12	30.5	18.0	0.0815	0.785	13	0.0155	0.0155	0.0155	0.00155	0.0155	0.668	0.0155	0.25
Maximum	7.37	5.77	12.25	93.5	37	227.9	3.96	16	39	41.3	38	4.25	16	0.726	0.0155	0.0875	0.04	0.05	1.4	0.067	1.2
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	0%	25%	100%	67%	63%	33%	0%	75%	13%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	4	3	3	0	1	2	0	3	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1905																									
Sample Date																									
03/15/05																									
07/17/05	**0.00125**	**0.00125**			**0.0155**	7.55	**1**	0.0626	0.0558 +	1.22	1.09	1.58	1.85	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	9770	9690	0.406	0.392
08/21/05																									
10/06/05	**0.00125**	**0.00125**			**0.0155**	24.8	**1.49**	0.0456	0.0478	1.70	1.59	1.83	1.75	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8780	8320	0.758	0.542
06/28/06	**0.00105**	**0.00075**			**0.050**	16.2	2.51	0.0664	0.0702	1.61	1.73	1.79	1.92	**0.0120**	**0.0120**	**0.0178**	**0.0075**	**0.75**	**2.50**	**0.0125**	**0.0125**	8500	8500	0.618	0.774
08/26/06	**0.00075**	**0.00075**			**0.0155**	49.7	**1.82**	0.1260	**0.0460** J	1.89	1.49	2.17	1.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9800	9330	0.807	0.774
10/06/06	**0.00075**	**0.00075**			**0.0155**	97.9	**1.00**	0.0686	0.0572	1.55	1.42	2.30	2.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9620	10100	0.294	
03/24/07	**0.0025**	**0.00075**			**0.0155**	22.9	2.20	0.0622	0.0662	1.43	1.35	2.07	2.16	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9010	9090	0.698	0.279
05/24/07	**0.00075**	**0.00075**			**0.050**	14.0	2.56	0.175	0.0846	1.78	1.70	2.20	2.61	**0.0125**	**0.0125**	0.0576	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9390	9510	0.621	0.473
08/04/07	**0.015**	**0.015**			**0.025**	152	11.0	**0.2**	**0.2**	2.30	2.10	3.00	2.60	**0.05**	**0.05**	**20**	**20**	1.30	2.30	**0.05**	**0.05**	10700	10100	0.600	0.700
09/06/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	1.90	1.70	2.00	2.50	**0.05**	**0.05**	**20**	**20**	2.00	1.70	**0.05**	**0.05**	10300	10900	**0.05**	**0.25**
10/24/07	**0.015**	**0.0025**			**0.025**	18.0	**2.5**	**0.2**	**0.2**	1.70	2.20	3.10	3.40	**0.05**	**0.05**	**20**	**20**	1.50	1.80	**0.05**	**0.05**	9500	10100	0.700	0.700
Mean	0.0041	0.0026	NA	NA	0.025	40.6	2.86	0.121	0.1028	1.71	1.64	2.20	2.30	0.023	0.023	6.01	6.0041	1.37	1.64	0.023	0.023	9540	9560	0.555	0.543
Median	0.0013	0.001	NA	NA	0.02	20.5	2.35	0.097	0.0682	1.70	1.65	2.12	2.23	0.013	0.013	0.013	0.0075	1.28	1.55	0.016	0.016	9560	9600	0.620	0.542
St. Deviation	0.0058	0.0044	NA	NA	0.014	48	2.93	0.067	0.068	0.29	0.33	0.50	0.50	0.019	0.019	9.654	9.6581	0.32	0.45	0.019	0.019	670	790	0.236	0.206
# of values	10	10	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9
Minimum	0.00075	0.00075	NA	NA	0.0155	2.5	1.00	0.0456	0.046	1.22	1.09	1.58	1.75	0.0075	0.0075	0.00155	0.00155	0.75	1.25	0.0075	0.0075	8500	8320	0.05	0.25
Maximum	0.015	0.015	NA	NA	0.05	152	11.0	0.2	0.2	2.30	2.20	3.10	3.40	0.05	0.05	20	20	2.00	2.50	0.05	0.05	10700	10900	0.807	0.774
% of values undetected	100%	100%			100%	10%	40%	30%	30%	0%	0%	0%	0%	100%	100%	80%	100%	70%	70%	100%	100%	0%	0%	10%	11%
# of values between MDL and PQL	0	0			0	0	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	5.94	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.101	0.098	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	10%	NA	NA	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2005																									
Sample Date																									
07/18/05	**0.00125**	**0.00125**			**0.0155**	2.61	**1**	0.132	**0.005** U	**0.285**	**0.125**	0.86	0.92	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5280	5250	0.342	0.405
08/21/05																									
10/05/05	**0.00125**	**0.00125**			**0.05**	3.26	2.02	**0.00155**	R	**0.479**	**0.125**	0.95	0.99	**0.0075**	**0.0075**	**0.00155**		**1.55**	**1.55**	**0.00775**	**0.00775**	4840	5020	0.441	0.407
06/29/06	**0.00105**	**0.00075**			**0.050**	11.6	2.71	**0.0250**	**0.0250** U	**0.155**	**0.155**	0.77	0.88	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	4450	4450	0.462	0.650
08/27/06	**0.00075**	**0.00075**			**0.0155**	16.7	2.35	**0.0075**	**0.0075**	**0.155**	**0.155**	0.85	0.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5020	4930	0.576	0.617
10/03/06	**0.00075**	**0.00075**			**0.050**	2.39	2.47	**0.0075**	**0.0075**	**0.155**	**0.155**	0.88	1.08	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5010	4820	**0.050**	**0.050**
08/04/07	**0.0025**	**0.015**			**0.025**	58.0	13.0	**0.2**	**0.2**	**0.25**	**0.25**	1.10	1.10	**0.05**	**0.05**	**20**	**20**	1.00	1.80	**0.05**	**0.05**	4500	4200	0.700	**0.05**
09/05/07	**0.0025**	**0.0025**			**0.025**	59.0	6.00	**0.2**	**0.2**	**0.25**	**0.25**	1.40	1.70	**0.05**	**0.05**	**20**	**40**	2.10	1.30	**0.05**	**0.05**	4500	4900	**0.05**	**0.25**
10/24/07	**0.015**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.10		**0.05**	**0.05**	**20**	**20**	1.50	1.50	**0.05**	**0.05**	5000	5500	**0.25**	**0.25**
Mean	0.0031	0.0031	NA	NA	0.032	19.5	4.01	0.1	0.092	0.247	0.183	1.12	1.08	0.025	0.025	7.5032	11.432	1.37	1.4	0.0269	0.0269	4830	4880	0.359	0.335
Median	0.0013	0.0013	NA	NA	0.025	7.40	2.49	0.08	0.025	0.25	0.155	0.92	0.99	0.013	0.013	0.0075	0.0075	1.38	1.4	0.0185	0.0185	4920	4920	0.392	0.328
St. Deviation	0.0048	0.0049	NA	NA	0.015	24.6	3.91	0.1	0.101	0.107	0.057	0.44	0.29	0.021	0.021	10.3483	15.733	0.41	0.3	0.0196	0.0196	310	410	0.234	0.229
# of values	8	8	0	0	8	8	8	8	7	8	8	8	7	8	8	8	7	8	8	8	8	8	8	8	8
Minimum	0.00075	0.00075	NA	NA	0.0155	2.39	1.00	0.00155	0.005	0.155	0.125	0.77	0.87	0.0075	0.0075	0.00155	0.00155	0.75	0.75	0.00775	0.00775	4450	4200	0.050	0.05
Maximum	0.015	0.015	NA	NA	0.05	59.0	13.0	0.2	0.2	0.479	0.25	2.1	1.70	0.05	0.05	20	40	2.10	1.8	0.05	0.05	5280	5500	0.700	0.650
% of values undetected	100%	100%			100%	13%	25%	88%	100%	75%	100%	0%	0%	100%	100%	100%	100%	63%	63%	100%	100%	0%	0%	38%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.058	0.058	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	13%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1905																									
Sample Date																									
03/15/05																									
07/17/05	**0.00155**	0.0074	**0.05**	0.106	**3.1**	**3.1**	**0.0155**	0.112	1520	1560	**0.1**	**0.1**	**0.000450**		0.183	0.190	0.222		408	417	**0.0775**	**0.0775**	5990	**0.0031**	**0.0031**
08/21/05																									
10/06/05	0.0246	0.0314	0.301	0.157	23.8	**3.1**	**0.0155**		1260	1200	0.622	**0.1**	**0.000450**		0.0614		0.274		364	347	**0.0775**	**0.0775**	6760	**0.0031**	**0.0031**
06/28/06	0.0340	0.0478	0.157	0.250	10.1	**3.10**	0.0570		1200	1200	0.213	0.0922	**0.00250**		0.175	0.189	0.626	0.784	346	356	**0.155**	**0.155**	5950	**0.0031**	**0.0031**
08/26/06	0.0322	**0.0065**	0.374	0.223	34.3	27.8	0.349	0.114	1410	1180	0.937	0.114	**0.000475**		0.178	0.207	0.363	0.475	410	361	**0.155**	**0.155**	5370	**0.0031**	**0.0031**
10/06/06	0.0362	0.0148	0.164	0.187	85.6	20.2	0.0746	**0.0155**	1340	1320	2.97	0.0830	**0.000475**		0.182	0.212	0.130	0.182	378	415	**0.155**	**0.155**	5640	**0.0031**	**0.0031**
03/24/07	**0.0100**		**0.050**		16.2	8.61	**0.0155**	**0.050**	1310	1470	0.328		**0.000169**		0.197	0.239	0.316		374	384	**0.155**	**0.155**	5810	**0.0031**	**0.0031**
05/24/07	0.0228	0.0224	0.302	0.140	51.3	38.1	0.151	**0.0155**	1380	1510	0.492	0.258	**0.000169**		0.231	0.267	0.257	0.341	408	447	**0.155**	**0.155**	6100	0.0096	**0.0031**
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	130	**10**	**0.05**	**0.05**	1300	1400	2.2	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	0.2	**0.05**	5700	**0.025**	**0.025**
09/06/07	0.09	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1400	1500	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**1.5**	**0.3**	400	400	0.1	0.1	5300	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1300	1400	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	300	**0.05**	**0.05**	6600	**0.025**	**0.025**
Mean	0.03	0.023	0.215	0.201	37.4	13.0	0.0828	0.0570	1340	1370	0.836	0.170	0.000752	NA	0.196	0.228	0.429	0.383	509	358	0.128	0.113	5920	0.010	0.0097
Median	0.025	0.025	0.25	0.223	20	10.0	0.0500	0.0500	1330	1400	0.410	0.114	0.000450	NA	0.190	0.239	0.300	0.300	404	373	0.155	0.128	5880	0.0031	0.0031
St. Deviation	0.024	0.013	0.108	0.056	41	12.0	0.102	0.0380	90	140	0.970	0.0800	0.000931	NA	0.0570	0.0290	0.398	0.197	260	84.0	0.0480	0.046	480	0.010	0.011
# of values	10	9	10	9	10	10	10	8	10	10	10	9	10	0	10	9	10	7	10	10	10	10	10	10	10
Minimum	0.00155	0.0065	0.05	0.106	3.1	3.10	0.0155	0.0155	1200	1180	0.1	0.0830	0.000169	NA	0.0614	0.189	0.130	0.182	346	150	0.05	0.05	5300	0.0031	0.0031
Maximum	0.09	0.0478	0.374	0.25	130	38.1	0.349	0.114	1520	1560	2.97	0.258	0.00250	NA	0.25	0.267	1.5	0.784	1000	447	0.2	0.155	6760	0.025	0.025
% of values undetected	40%	44%	50%	33%	30%	60%	60%	75%	0%	0%	30%	56%	100%		30%	33%	30%	43%	20%	10%	80%	90%	0%	90%	100%
# of values between MDL and PQL	1	2	0	0	2	1	1	0	0	0	1	0	0		0	0	1	1	1	2	2	1	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.009	2.889	1000	1000	0.590	0.580	NA	NA	NA	NA	0.012	0.012	NA	NA	17.02	16.97	NA	NA	5	4.6	NA	0.41623327	0.354
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2005																									
Sample Date																									
07/18/05	0.0084	0.0076	**0.05**	0.109	**3.1**	**3.1**	**0.0155**	0.127	558	568	**0.1**	**0.1**	**0.000450**		0.0714	0.0524	0.163		223	237	**0.0775**	**0.0775**	3700	**0.0031**	**0.0031**
08/21/05																									
10/05/05	0.0142		0.111	0.164	**3.1**	**3.1**	**0.0155**		527	543	0.0636	**0.1**	**0.000450**		**0.0031**		0.155		192	216	**0.0775**	**0.0775**	4140	**0.0031**	**0.0031**
06/29/06	**0.0100**	0.0240	0.129	0.195	11.7	**3.10**	0.139		530	530	0.257	0.111	**0.000475**		0.0372	0.0356	0.243		167	170	**0.155**	**0.155**	4020	**0.0031**	**0.0031**
08/27/06	0.0140	0.0164	0.126		17.3	**3.10**	0.0866		500	514	0.340	0.150	**0.00250**		**0.0145**	**0.0145**	0.266		184	191	**0.155**	**0.155**	3730	**0.0031**	**0.0031**
10/03/06	**0.0065**	**0.0065**	**0.0155**		12.0	11.6	0.0354		573	572	0.0534	0.0994	**0.000475**		0.0530	0.0618	0.0632		172	167	**0.155**	**0.155**	3800	**0.0031**	**0.0031**
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	90	**10**	**0.05**	**0.05**	400	400	5.60	1.5	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3400	**0.025**	**0.025**
09/05/07	**0.025**	0.2	**0.25**	**0.25**	120	**10**	**0.05**	**0.05**	500	500	11.4	1.5	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	300	**0.05**	**0.05**	3900	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	500	600	**0.25**	**0.25**	0.0191		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4200	**0.025**	**0.025**
Mean	0.016	0.044	0.148	0.2	33	7.0	0.0553	0.0690	510	528	2.26	0.480	0.00327	NA	0.116	0.131	0.224	0.300	174	198	0.0963	0.0963	3900	0.011	0.011
Median	0.014	0.024	0.128	0.22	12	7.0	0.0500	0.0500	510	537	0.250	0.130	0.000475	NA	0.0620	0.0618	0.255	0.300	170	181	0.0775	0.0775	3900	0.0031	0.0031
St. Deviation	0.008	0.069	0.093	0.06	45	4.0	0.0408	0.0390	50	61	4.15	0.630	0.00647	NA	0.113	0.113	0.0880	0	26.0	52.0	0.0500	0.0500	300	0.011	0.011
# of values	8	7	8	6	8	8	8	4	8	8	8	8	8	0	8	7	8	3	8	8	8	8	8	8	8
Minimum	0.0065	0.0065	0.0155	0.109	3.1	3.10	0.0155	0.05	400	400	0.0534	0.0994	0.000169	NA	0.0031	0.0145	0.0632	0.3	150	150	0.05	0.05	3400	0.0031	0.0031
Maximum	0.025	0.2	0.25	0.25	120	11.6	0.139	0.127	573	600	11.4	1.5	0.0191	NA	0.25	0.25	0.3	0.3	223	300	0.155	0.155	4200	0.025	0.025
% of values undetected	63%	43%	63%	50%	38%	88%	63%	75%	0%	0%	25%	50%	88%		63%	57%	38%	100%	38%	38%	100%	100%	0%	100%	100%
# of values between MDL and PQL	2	3	0	0	3	1	2	0	3	3	1	1	0		1	1	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.573	1.510	1000	1000	0.224	0.246	NA	NA	NA	NA	0.012	0.012	NA	NA	8.95	8.93	NA	NA	5	4.6	NA	0.112821325	0.096
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP1905										
Sample Date										
03/15/05										
07/17/05	2690	2760	**0.0031**	**0.0031**	**0.031**	**0.031**	0.651	0.831	4.44	
08/21/05										
10/06/05	2200	2080	**0.0031**	**0.0031**	**0.031**	**0.031**	1.03	0.622	1.92	2.06
06/28/06	2070	2120	**0.0072**	**0.0074**	**0.0155**	**0.050**	0.503	0.642	2.38	1.70
08/26/06	2410	2080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.502**	**0.250**	2.01	1.14
10/06/06	2290	2320	**0.0050**	**0.0050**	**0.050**	**0.050**	1.36	1.18	**0.50**	
03/24/07	2230	2500	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.764**	**0.603**	**0.50**	
05/24/07	2360	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.527**	**0.528**	6.78	**0.50**
08/04/07	2600	2400	**0.05**	**0.05**	**0.05**	**0.05**	1.20	**0.7**	**1**	**1**
09/06/07	2400	2500	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.9**	**1**	**1**
10/24/07	2400	2400	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	2370	2360	0.0183	0.0184	0.0430	0.0460	0.754	0.676	2.20	1.20
Median	2380	2400	0.00500	0.00500	0.0500	0.0500	0.589	0.632	1.50	1.00
St. Deviation	180	220	0.0219	0.0219	0.0120	0.00800	0.327	0.252	2.00	0.500
# of values	10	10	10	10	10	10	10	10	10	7
Minimum	2070	2080	0.0031	0.0031	0.0155	0.031	0.5	0.250	0.50	0.50
Maximum	2690	2760	0.05	0.05	0.05	0.05	1.36	1.18	6.78	2.06
% of values undetected	0%	0%	90%	90%	100%	100%	20%	20%	50%	57%
# of values between MDL and PQL	0	0	1	1	0	0	3	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	39.02	38.47
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2005										
Sample Date										
07/18/05	1690	1690	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.35**	3.66	
08/21/05										
10/05/05	1540	1600	**0.0031**	**0.0031**	**0.031**	**0.031**	0.421	**0.1**	**0.616**	**1.42**
06/29/06	1510	1570	**0.0025**	**0.0025**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.61	1.11
08/27/06	1510	1520	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.08	2.46
10/03/06	1640	1650	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	**0.50**
08/04/07	**1300**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/05/07	**1400**	**1500**	**0.25**	**0.25**	**0.05**	**0.05**	**0.3**	**0.1**	**5**	**1**
10/24/07	**1500**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	1510	1580	0.0460	0.0460	0.0410	0.0410	0.300	0.200	2.10	1.20
Median	1510	1590	0.00500	0.00500	0.0500	0.0500	0.300	0.200	1.50	1.00
St. Deviation	120	100	0.0850	0.0850	0.0130	0.0130	0.200	0.100	1.60	0.600
# of values	8	8	8	8	8	8	8	8	8	7
Minimum	1300	1400	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	0.50
Maximum	1690	1700	0.25	0.25	0.05	0.05	0.5	0.5	5	2.46
% of values undetected	0%	0%	100%	100%	100%	100%	75%	88%	50%	57%
# of values between MDL and PQL	3	3	0	0	0	0	1	1	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	20.51	20.22
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP2105																					
Sample Date																					
03/18/05	7.33	2.46			40		1.5														
07/17/05	6.95	2.74			35	-73.8	0.12	13.9	33.5	32.5	0.722	**2.5**	15.0	0.155			0.0435		0.652	**0.05**	1.30
08/20/05	6.24	2.77	10.09	74.4	36	219.7	0.54														
10/05/05	6.01	2.73	12.69	93.7	35	254.3	0.16	14.9	36.5	27.0	**0.204**	**3.75**	15.0	**0.069**			**0.013**		0.643	**0.05**	1.74
06/29/06	5.54	2.62	11.25	82.9	36	-45.2	0.08	14.1	33.0	20.0	**0.306**	**4.00**	14.0	0.159	**0.0155**	0.134	0.0130	**0.05** J	0.724	**0.0400**	6.96
08/27/06	6.83	2.87	7.78	57.7	35	146.2	0.06	16.2	36.0	45.0	**0.200**	**3.25**	18.0	0.102	**0.0155**	**0.0990**	**0.0087**	**0.05** J	0.772	**0.0680**	1.57
10/06/06	5.68	2.85	9.42	69.7	36	114.4	0.07	14.5	37.0	42.5	**0.075**	**1.57**	20.0	**0.050**	**0.0155**	**0.0695**	0.0100	**0.0155**	0.756	**0.0580**	1.62
05/21/07	6.35	2.65	13.23	97.3	36	163.6	0.23	14.1	36.0	32.5	**0.150**	**6.00**	12.0	0.161			**0.0070**		0.796	**0.0500**	1.43
08/04/07	6.37	3.02	11.66	86.6	36	204.8	0.41	16	39.0	20.0	**2.5**	**1**	**16**	0.12			**0.02**		**1.0**	**0.05**	**1.5**
09/05/07	5.97	3.23	10.62	79.4	40	195.5	0.16	18	43.0	30.0	**2.5**	**1**	**16**	**0.09**			**0.005**		**1.4**	**0.05**	**1.8**
10/24/07	6.4	2.75	7.5	55.4	40	122.6	0.09	17	41.0	20.0	**8**	**1**	**17**	**0.04**			**0.005**		**0.9**	**0.05**	**1.4**
Mean	6.33	3	10.47	77.5	37	130.2	0.3	15.4	37.0	30.0	1.63	2.7	16	0.11	0.0155	0.101	0.014	0.039	0.849	0.05	2.15
Median	6.35	2.75	10.62	79.4	36	154.9	0.16	14.9	36.5	30.0	0.31	2.5	16	0.102	0.0155	0.099	0.010	0.050	0.772	0.05	1.57
St. Deviation	0.54	0	2.000	14.7	2.0	109.2	0.4	1.5	3	9.0	2.58	1.7	2	0.05	0	0.032	0.012	0.02	0.235	0.01	1.81
# of values	11	11	9	9	11	10	11	9	9	9	9	9	9	9	3	3	9	3	9	9	9
Minimum	5.54	2.46	7.5	55.4	35	-73.8	0.06	13.9	33	20	0.075	1	12	0.04	0.0155	0.0695	0.005	0.0155	0.643	0.04	1.30
Maximum	7.33	3.23	13.23	97.3	40	254.3	1.5	18	43	45	8	6.00	20.0	0.161	0.0155	0.134	0.0435	0.0500	1.4	0.068	6.96
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	44%	0%	11%	100%	0%	22%	100%	0%	56%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	4	5	3	3	0	2	4	0	3	4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	73%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	89%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2205																					
Sample Date																					
03/15/05	6.88	3.50	13.06	98.2																	
07/17/05	7.06	3.48			59	-72.8	0.29	24.1	60.0	40.0	1.4	**4.75**	23.0	0.186			0.046		0.739	**0.05**	5.42
08/20/05	6.39	3.53	9.61	72.4	60	327.7	0.74														
10/05/05	5.93	3.60	12.77	96.3	59	252.7	0.36	22.8	65.0	35.0	2.83	7.25	22.5	0.203			**0.017**		0.783	**0.05**	5.96
06/29/06	5.67	3.51	10.27	77.4	35	-66.9	0.12	23.5	50.0	37.5	5.57	**3.50**	22.0	0.150	**0.0155**	0.129	0.0220	**0.05** J	0.714	**0.0450**	5.91
08/27/06	6.33	3.65	7.75	58.6	58	153.5	0.04	26.4	55.0	56.2	**0.076**	**6.25**	21.0	0.185	**0.0155**	0.182	**0.0070**	**0.0155**	0.829	**0.0630**	6.74
10/06/06	5.59	3.67	9.23	69.8	59	107	0.13	23.7	55.0	51.2	**0.150**	**5.25**	23.0	0.174	**0.0155**	0.165	0.0140	**0.0155**	0.793	**0.0670**	6.74
05/21/07	6.11	3.60	11.97	90.3	46	243.4	1.45	23.6	60.0	48.8	1.62	**3.50**	23.0	0.173			**0.0080**		0.777	**0.0380**	6.17
08/04/07	6.59	3.60	10.36	78	64	184	0.52	27.0	65.0	40.0	**2.5**	**1**	23.0	0.220			**0.005**		**1.0**	**0.1**	6.60
09/08/07	6.75	4.12	8.48	64.9	44	140.4	0.1	25.0	66.0	40.0	**2.5**	**1**	23.0	0.190			**0.005**		**1.2**	**0.05**	7.20
10/24/07	6.52	3.58	6.95	52.4	61	103.5	0.11	28.0	69.0	40.0	**2.5**	**1**	22.0	0.190			**0.005**		**0.9**	**0.05**	6.60
Mean	6.35	4	10.00	75.8	55	137.3	0.4	24.9	61.0	43.0	2.1	3.7	23.0	0.186	0.0155	0.159	0.014	0.027	0.859	0.06	6.37
Median	6.39	3.6	9.900	74.9	59	147.0	0.2	24.1	60.0	40.0	2.5	3.5	23.0	0.186	0.0155	0.165	0.008	0.0155	0.793	0.05	6.60
St. Deviation	0.48	0	2.100	15.5	9.0	129.6	0.4	1.8	6	7.0	1.6	2.4	1.0	0.020	0	0.027	0.013	0.0199	0.155	0.02	0.55
# of values	11	11	10	10	10	10	10	9	9	9	9	9	9	9	3	3	9	3	9	9	9
Minimum	5.59	3.48	6.95	52.4	35	-72.8	0.04	22.8	50	35	0.076	1	21.0	0.150	0.0155	0.129	0.005	0.0155	0.714	0.038	5.42
Maximum	7.06	4.12	13.06	98.2	64	327.7	1.45	28	69	56.2	5.57	7.25	23.0	0.220	0.0155	0.182	0.046	0.0500	1.2	0.1	7.20
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	33%	0%	0%	100%	0%	33%	67%	0%	44%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	3	1	3	5	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	55%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2105																									
Sample Date																									
03/18/05																									
07/17/05	**0.00125**	**0.00125**			**0.0155**	**1**	**1**	0.0252	0.0332 +	**0.125**	**0.125**	1.19	1.18	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4240	4280	**0.1**	0.206
08/20/05																									
10/05/05	**0.00125**	**0.00125**			**0.05**	23.1	**1.29**	0.0898	0.0276	0.579	**0.337**	3.95	1.47	**0.0075**	**0.0075**	**0.00155**	0.01	**1.55**	**1.55**	0.131	**0.00775**	4620	4880	9.700	0.524
06/29/06	**0.00105**	**0.0025**			**0.050**	5.43	**1.00**	**0.0250**	**0.0250** U	**0.429**	**0.401**	1.42	1.68	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**1.91**	**0.0125**	**0.0125**	4360	4850	0.581	0.707
08/27/06	**0.00075**	**0.00075**			**0.0155**	12.5	**1.54**	**0.0075**	**0.0075**	**0.421**	**0.318**	1.57	1.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5150	5230	0.650	0.673
10/06/06	**0.00075**	**0.00075**			**0.0155**	**1.00**	2.09	**0.0075**	**0.0382** J	**0.155**	**0.155**	1.41		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4560	5100	**0.050**	**0.050**
05/21/07	**0.00075**	**0.00075**			**0.050**	24.5	2.51	**0.0250**	**0.0250** U	**0.155**	**0.155**	1.98	1.63	**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0075**	**0.0075**	4330	4300	0.396	**0.100**
08/04/07	**0.015**	0.015			**0.025**	6.00	10.0	**0.2**	**0.2**	**0.25**	**0.25**	1.70	1.70	**0.05**	**0.05**	**20**	**20**	1.50	1.10	**0.05**	**0.05**	5000	4900	**0.2**	**0.3**
09/05/07	**0.0025**	**0.0025**			**0.025**	9.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.20	2.40	**0.05**	**0.05**	**20**	**40**	1.90	2.00	**0.05**	**0.05**	5400	5600	**0.05**	**0.25**
10/24/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	1	**0.25**	2.90	3.30	**0.05**	**0.05**	**20**	**20**	1.80	1.70	**0.05**	**0.05**	5200	5400	0.800	0.600
Mean	0.0029	0.003	NA	NA	0.03	9.45	2.71	0.087	0.084	0.374	0.249	2.04	1.86	0.024	0.024	6.6703	8.895	1.42	1.51	0.0384	0.0247	4760	4900	1.392	0.379
Median	0.00125	0.00125	NA	NA	0.025	6.00	2.09	0.0252	0.0332	0.25	0.25	1.70	1.66	0.0125	0.0125	0.0075	0.01	1.50	1.55	0.0185	0.0185	4620	4900	0.396	0.300
St. Deviation	0.0046	0.0046	NA	NA	0.015	8.95	2.80	0.088	0.087	0.28	0.093	0.88	0.68	0.02	0.02	9.9972	14.525	0.34	0.32	0.0393	0.0194	430	400	3.128	0.251
# of values	9	9	0	0	9	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9
Minimum	0.00075	0.00075	NA	NA	0.0155	1	1	0.0075	0.0075	0.125	0.125	1.19	1.18	0.0075	0.0075	0.00155	0.00155	0.75	1.10	0.0075	0.0075	4240	4280	0.05	0.050
Maximum	0.015	0.015	NA	NA	0.05	24.5	10.0	0.2	0.2	1	0.401	3.95	3.30	0.05	0.05	20	40	1.90	2.00	0.131	0.05	5400	5600	9.700	0.707
% of values undetected	100%	100%			100%	33%	44%	78%	67%	56%	67%	0%	0%	100%	100%	100%	89%	67%	56%	89%	100%	0%	0%	33%	33%
# of values between MDL and PQL	0	0			0	0	2	0	1	2	3	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.03	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.063	0.062	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	11%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2205																									
Sample Date																									
03/15/05																									
07/17/05	**0.00125**	**0.00125**			**0.0155**	25.2	**1**	0.0186	0.0174 +	**0.125**	**0.125**	2.09	1.78	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	7260	7370	**0.1**	**0.1**
08/20/05																									
10/05/05	**0.00125**	**0.00125**			**0.05**	57.3	**1.02**	0.0176	R	**0.494**	**0.125**	2.41	2.01	**0.0075**	**0.0075**	**0.005**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	7100	7740	0.303	0.465
06/29/06	**0.00105**	**0.00075**			**0.050**	101	**1.00**	**0.0250**	**0.0250** U	**0.155**	**0.155**	2.64	2.19	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.04**	**0.75**	**0.0125**	**0.0125**	7280	7030	1.120	0.698
08/27/06	**0.00075**	**0.00075**			**0.0155**	5.39	**1.24**	**0.0075**	**0.0075**	**0.155**	**0.155**	2.07	1.99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8310	8030	0.621	0.564
10/06/06	**0.00075**	**0.00075**			**0.050**	2.65	**1.00**	**0.0075**	**0.0234** J	**0.155**	**0.155**	1.97		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7510	8230	**0.050**	**0.182**
05/21/07	**0.00075**	**0.00075**			**0.050**	9.91	2.96	**0.0250**	0.0632	**0.155**	**0.155**	2.08	2.21	**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0075**	**0.0075**	7290	7440	0.245	**0.100**
08/04/07	**0.015**	0.015			**0.025**	21.0	11.0	**0.2**	**0.2**	**0.25**	**0.25**	2.20		**0.05**	**0.05**	**20**	**20**	1.80	1.80	**0.05**	**0.05**	8300	8400	**0.05**	**0.3**
09/08/07	**0.0025**	**0.0025**			**0.025**	**2.5**		**0.2**	**0.2**	**0.25**	**0.25**	2.80	2.20	**0.05**	**0.05**	**20**	**20**	1.90	2.50	**0.05**	**0.05**	9400	7900	**0.05**	**0.05**
10/24/07	**0.015**	**0.0025**			**0.025**	184	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	4.90	5.00	**0.05**	**0.05**	**20**	**20**	1.50	2.10	**0.05**	**0.05**	8000	8600	0.600	**0.25**
Mean	0.0043	0.0028	NA	NA	0.034	45.4	2.72	0.078	0.092	0.221	0.18	2.57	2.48	0.024	0.024	6.6707	6.6727	1.57	1.56	0.0247	0.0247	7830	7860	0.349	0.301
Median	0.00125	0.00125	NA	NA	0.025	21.0	1.13	0.025	0.044	0.155	0.155	2.20	2.19	0.0125	0.0125	0.0075	0.0075	1.55	1.55	0.0185	0.0185	7510	7900	0.245	0.25
St. Deviation	0.0061	0.0046	NA	NA	0.016	61.2	3.44	0.092	0.091	0.114	0.054	0.92	1.12	0.02	0.02	9.997	9.9955	0.29	0.52	0.0194	0.0194	750	520	0.366	0.228
# of values	9	9	0	0	9	9	8	9	8	9	9	9	7	9	9	9	9	9	9	9	9	9	9	9	9
Minimum	0.00075	0.00075	NA	NA	0.0155	2.5	1	0.0075	0.0075	0.125	0.125	1.97	1.78	0.0075	0.0075	0.00155	0.00155	1.25	0.75	0.0075	0.0075	7100	7030	0.05	0.05
Maximum	0.015	0.015	NA	NA	0.05	184	11.0	0.2	0.2	0.494	0.25	4.90	5.00	0.05	0.05	20	20	2.04	2.50	0.05	0.05	9400	8600	1.120	0.698
% of values undetected	100%	100%			100%	11%	50%	78%	63%	89%	100%	0%	0%	100%	100%	100%	100%	56%	67%	100%	100%	0%	0%	44%	44%
# of values between MDL and PQL	0	0			0	0	2	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.03	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.091	0.089	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	11%	NA	NA	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2105																									
Sample Date																									
03/18/05																									
07/17/05	**0.00155**	**0.00155**	**0.05**	**0.05**	**3.1**	**3.1**	**0.0155**	0.102	815	808	**0.031**	**0.1**	**0.000450**		0.0750	0.0844	0.115		239	251	**0.0775**	**0.0775**	4670	**0.0031**	**0.0031**
08/20/05																									
10/05/05	0.2440	0.0304	3.9	0.166	62.9	**10**	1.49	0.265	808	815	9.96	**0.1**	**0.000450**		2.43	0.0804	147	0.609	242	265	**0.0775**	**0.0775**	5520	**0.0031**	**0.0031**
06/29/06	0.0210	0.0248	0.121	0.190	**7.21**	**3.10**	1.92	0.314	775	859	0.530	0.144	**0.000475**		0.0598	0.0604	0.260		233	271	**0.155**	**0.155**	5490	**0.0031**	**0.0031**
08/27/06	**0.0168**	0.0202	0.129		**13.2**	**3.10**	0.319	0.155	817	831	0.870	0.153	**0.000475**		**0.0360**	**0.0330**	0.258		284	295	**0.155**	**0.155**	4940	**0.0031**	**0.0031**
10/06/06	**0.0065**	**0.0065**	**0.050**	0.153	**3.10**	**7.41**	**0.0440**	**0.0155**	767	902	**0.0125**	0.0676	**0.000475**		0.0648	0.0820	**0.0310**	**0.118**	217	265	**0.155**	**0.155**	4820	**0.0031**	**0.0031**
05/21/07	**0.0178**		0.115		29.3	**13.9**	**0.050**	**0.050**	785	815	0.828		**0.000169**		0.0952	0.0998	**0.100**		243	255	**0.155**	**0.155**	4990	**0.0100**	**0.0031**
08/04/07	**0.025**	**0.025**	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.05**	**800**	**800**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5000	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**900**	**1000**	**0.5**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**300**	**0.05**	**0.05**	4900	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.25**	**0.05**	**800**	**900**	**0.25**	**0.25**	**0.000464**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	5200	**0.025**	**0.025**
Mean	0.043	0.020	0.568	0.223	16.5	8.0	0.465	0.117	807	859	1.47	0.160	0.000625	NA	0.390	0.132	16.5	0.330	345	245	0.103	0.103	5060	0.011	0.010
Median	0.021	0.025	0.129	0.190	10	10.0	0.0500	0.0500	800	831	0.500	0.150	0.000464	NA	0.0952	0.0844	0.260	0.300	242	265	0.0775	0.0775	4990	0.0031	0.0031
St. Deviation	0.076	0.010	1.252	0.140	19.0	4.0	0.719	0.106	39	65	3.20	0.0800	0.000715	NA	0.770	0.0900	48.9	0.180	264	56.0	0.0507	0.0507	290	0.011	0.011
# of values	9	8	9	7	9	9	9	9	9	9	9	8	9	0	9	9	9	5	9	9	9	9	9	9	9
Minimum	0.00155	0.00155	0.050	0.05	3.1	3.10	0.0155	0.0155	767	800	0.0125	0.0676	0.000169	NA	0.0360	0.0330	0.0310	0.118	150	150	0.05	0.05	4670	0.0031	0.0031
Maximum	0.244	0.0304	3.9	0.5	62.9	13.9	1.92	0.314	900	1000	9.96	0.25	0.00250	NA	2.43	0.25	147	0.609	1000	300	0.155	0.155	5520	0.025	0.025
% of values undetected	56%	63%	56%	43%	56%	78%	56%	56%	0%	0%	44%	63%	89%		33%	33%	56%	60%	22%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	2	0	0	1	2	2	1	0	3	3	1	0	1		1	1	0	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.736	1.667	1000	1000	0.260	0.280	NA	NA	NA	NA	0.012	0.012	NA	NA	9.87	9.84	NA	NA	5	4.6	NA	0.137617072	0.117
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	11%	0%	0%	0%	33%	11%	0%	0%	0%	0%	0%	NA	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%
SP2205																									
Sample Date																									
03/15/05																									
07/17/05	0.011	**0.0038**	**0.05**		20.9	**3.1**	0.122	0.164	1440	1440	0.708	**0.1**	**0.000450**		0.191	0.197	0.250		342	356	**0.0775**	**0.0775**	5660	**0.0031**	**0.0031**
08/20/05																									
10/05/05	0.0504	0.0322	0.200	0.185	64.2	**3.1**	**0.0155**		1240	1320	1.90	0.231	**0.000450**		0.193	0.213	0.307		324	347	**0.0775**	**0.0775**	6620	**0.0031**	**0.0031**
06/29/06	0.0700	0.0340	0.271	0.223	110	**3.10**	0.108		1290	1260	3.36	0.111	**0.000475**		0.187	0.215	0.444		357	347	**0.155**	**0.155**	6350	**0.0031**	**0.0031**
08/27/06	**0.0196**	0.0212	0.154		**13.2**	**3.10**	0.164		1370	1320	0.161	0.152	**0.000475**		0.165	0.151	0.374	0.552	390	376	**0.155**	**0.155**	5700	**0.0031**	**0.0031**
10/06/06	**0.0065**	**0.0065**	0.113	0.181	**14.5**	**15.1**	**0.0155**	**0.0155**	1200	1400	0.0942	0.0686	**0.000475**		0.191	0.220	**0.109**	**0.138**	320	359	**0.155**	**0.155**	5860	**0.0031**	**0.0031**
05/21/07	**0.0168**		0.113		28.7	23.5	**0.0155**	0.116	1320	1370	0.376		**0.000169**		0.223	0.235	0.231		336	361	**0.155**	**0.155**	5960	**0.0031**	**0.0031**
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1300	1400	**0.6**	**0.25**	**0.000169**		**2.5**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.2**	**0.1**	6000	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1600	1300	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**300**	**0.05**	**0.1**	5900	**0.025**	**0.025**
10/24/07	**0.09**	**0.025**	**0.25**	**0.25**	250	**10**	**0.25**	**0.05**	1400	1500	5.50	**0.25**	**0.000715**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.25**	6600	**0.025**	**0.025**
Mean	0.035	0.022	0.183	0.223	57.9	9.0	0.0878	0.0740	1350	1370	1.44	0.180	0.000653	NA	0.461	0.220	0.291	0.320	310	333	0.119	0.136	6070	0.010	0.010
Median	0.025	0.025	0.200	0.237	20.9	10.0	0.0500	0.0500	1320	1370	0.600	0.190	0.000475	NA	0.193	0.220	0.300	0.300	336	356	0.155	0.155	5960	0.0031	0.0031
St. Deviation	0.029	0.011	0.079	0.033	79.3	7.0	0.0808	0.0550	120	80	1.86	0.0800	0.000713	NA	0.765	0.0320	0.0930	0.150	90.0	74.0	0.0560	0.0550	360	0.011	0.011
# of values	9	8	9	6	9	9	9	6	9	9	9	8	9	0	9	9	9	5	9	9	9	9	9	9	9
Minimum	0.0065	0.0038	0.05	0.181	10	3.10	0.0155	0.0155	1200	1260	0.0942	0.0686	0.000169	NA	0.165	0.151	0.109	0.138	150	150	0.05	0.0775	5660	0.0031	0.0031
Maximum	0.09	0.034	0.271	0.25	250	23.5	0.25	0.164	1600	1500	5.50	0.25	0.00250	NA	2.5	0.25	0.444	0.552	400	400	0.2	0.25	6620	0.025	0.025
% of values undetected	33%	50%	44%	50%	22%	78%	67%	67%	0%	0%	11%	50%	89%		22%	33%	33%	60%	22%	11%	89%	78%	0%	100%	100%
# of values between MDL and PQL	3	1	0	0	2	1	0	0	0	0	1	0	1		1	0	1	1	1	2	1	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.665	2.559	1000	1000	0.492	0.494	NA	NA	NA	NA	0.012	0.012	NA	NA	15.09	15.04	NA	NA	5	4.6	NA	0.32596094	0.277
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2105										
Sample Date										
03/18/05										
07/17/05	1730	1750	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	10.3	
08/20/05										
10/05/05	1590	1670	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.399**	**0.216**	11.5	**0.93**
06/29/06	1570	1760	**0.0052**	**0.0025**	**0.0155**	**0.0322**	**0.110**	**0.110**	1.69	1.25
08/27/06	1650	1690	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.19	2.99
10/06/06	1520	1740	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.516**	**0.250**	**0.50**	
05/21/07	1640	1710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
08/04/07	**1700**	**1800**	**0.05**	**0.1**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/05/07	**1800**	**1700**	0.700	0.8	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**1**
10/24/07	**1600**	**1800**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1640	1740	0.0918	0.108	0.0420	0.0440	0.200	0.150	3.70	1.00
Median	1640	1740	0.00500	0.00500	0.0500	0.0500	0.110	0.110	1.69	1.00
St. Deviation	90	50	0.229	0.262	0.0130	0.00900	0.150	0.0700	4.30	1.00
# of values	9	9	9	9	9	9	9	9	9	6
Minimum	1520	1670	0.0031	0.0025	0.0155	0.031	0.1	0.1	0.50	0.93
Maximum	1800	1800	0.700	0.8	0.05	0.05	0.516	0.250	11.5	2.99
% of values undetected	0%	0%	78%	78%	100%	89%	78%	89%	56%	50%
# of values between MDL and PQL	3	3	1	1	0	1	2	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	22.62	22.30
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2205										
Sample Date										
03/15/05										
07/17/05	2570	2560	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	10.7	
08/20/05										
10/05/05	2100	2300	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	**0.48**	**1.29**
06/29/06	2270	2290	**0.0025**	**0.0025**	**0.0640**	**0.0366**	**0.324**	**0.110**	0.912	
08/27/06	2380	2310	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.06	1.41
10/06/06	2040	2440	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.610**	**0.250**	1.58	2.47
05/21/07	2270	2390	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
08/04/07	2400	2500	**0.1**	**0.4**	**0.05**	**0.05**	**0.1**	**0.1**	**2**	**1**
09/08/07	2700	2400	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**1**
10/24/07	2300	2500	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**5**
Mean	2340	2410	0.0249	0.0582	0.0470	0.0440	0.250	0.140	2.70	2.00
Median	2300	2400	0.00500	0.00500	0.0500	0.0500	0.155	0.100	1.58	1.40
St. Deviation	210	100	0.0345	0.130	0.0100	0.00900	0.190	0.0600	3.30	1.60
# of values	9	9	9	9	9	9	9	9	9	6
Minimum	2040	2290	0.0025	0.0025	0.031	0.031	0.1	0.1	0.48	1
Maximum	2700	2560	0.1	0.4	0.0640	0.05	0.610	0.250	10.7	5
% of values undetected	0%	0%	89%	89%	89%	89%	78%	100%	33%	50%
# of values between MDL and PQL	0	0	1	1	1	1	2	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	34.59	34.11
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP2305																					
Sample Date																					
07/19/05	6.85	2.84			60	-112.9	0.23	28.0	65.0	47.5	**0.408**	**0.785**	12.5	11.50			0.051		0.825	**0.068**	236
08/24/05	6.20	3.41	11.01	82.7	67	187.6	0.19														
10/07/05	5.81	3.76	11.11	84.1	59	232.4	0.21	27.8	65.0	35.0	**0.404**	**4.13**	13	0.170			**0.013**		0.687	**0.07**	12.5
06/28/06	6.68	2.83	9.63	71.5	59	-85.4	0.23	22.4	55.0	38.8	**0.303**	8.00	13.0	0.229	**0.050**	0.192	**0.0070**	**0.05** J	0.845	**0.0490**	11.0
08/26/06	6.06	2.83	10.01	74.3	62	163.4	0.11	28.4	60.0	60.0	1.10	**8.50**	14.0	0.140	**0.0155**	0.140	**0.0075**	**0.0155**	0.768	**0.0430**	13.6
10/04/06	6.11	3.02	9.43	70.1	62	235	0.15	23.8	60.0	35.0	**0.0805**	12.0	15.0	**0.0715**	**0.0155**	**0.0670**	**0.0040**	**0.0155**	0.704	**0.0800**	11.7
05/23/07	5.78	2.92	12.4	91.9	62	176.6	0.05	25.0	60.0	52.5	**0.1595**	**5.00**	12.0	0.237			**0.0050**		0.779	**0.0580**	12.5
08/05/07	6.29	2.54	10.91	79.8	61	60.8	0.41	27.0	63.0	40.0	**2.5**	**1**	**13**	0.180			**0.005**		**1.0**	**0.05**	12.9
09/07/07	6.04	2.61	10.43	76.8	68	177	0.15	33.0	71.0	50.0	**2.5**	**1**	**14**	0.130			**0.005**		**0.8**	**0.05**	15.5
10/26/07	6.99	2.83	7.97	59	56	176.9	0.09	24.0	57.0	20.0	**2.5**	**1**	**10**	0.160			**0.01**		**0.8**	**0.05**	9.30
Mean	6.28	0	10.32	76.7	62	121.1	0	27	62	42.0	1.11	4.6	13	1.420	0.027	0.13	0.012	0.027	0.801	0.058	37.2
Median	6	0	10.43	76.8	62	176.8	0.00	27	60	40.0	0.41	4.13	13	0.170	0.0155	0.14	0.007	0.0155	0.80	0.05	12.5
St. Deviation	0.42	0	1.260	9.50	4.0	125.6	0.00	3	5	12.0	1.08	4.1	1	3.780	0.020	0.06	0.015	0.0199	0.091	0.012	74.6
# of values	10	10	9	9	10	10	10	9	9	9	9	9	9	9	3	3	9	3	9	9	9
Minimum	5.78	2.54	7.97	59	56	-112.9	0.05	22.4	55	20	0.0805	0.785	10	0.0715	0.0155	0.067	0.004	0.0155	0.687	0.043	9.30
Maximum	6.99	3.76	12.4	91.9	68	235	0.41	33	71	60	2.5	12.0	15	11.50	0.050	0.192	0.051	0.05	1	0.08	236
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	44%	11%	0%	100%	0%	22%	100%	0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	3	2	1	0	1	6	0	3	6	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	70%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%
SP2405																					
Sample Date																					
07/21/05	6.86	6.37	10.12	82.2	123	197.4	0.58	52.1	110	83.8	3.94	**0.785**	15	2.38			0.107		0.537	0.125	34.3
08/24/05	6.41	5.74	9.45	75.5	118	189.9	0.71														
10/07/05	6.29	4.58	9.81	76.1	106	186.4	0.58	48.4	110	57.5	1.58	**3.5**	14	0.107			0.033		0.838	**0.094**	31.4
06/27/06	6.65	6.60	8.53	69.7	115	-119.3	0.05	50.7	110	85.0	11.0	**4.25**	12.0	**0.050**	**0.050**	**0.0425**	0.0296	**0.05** J	0.626	**0.0840**	34.8
08/28/06	6.48	3.46	8.21	61.9	95	138.1	0.13	43.0	90.0	78.8	3.33	**4.50**	11.0	**0.0155**	**0.0355**	**0.0155**	0.0370	J	0.726	**0.0610**	28.1
10/05/06	6.80	3.85	8.35	63.5	104	229.7	0.15	44.9	100	80.0	40.0	**5.25**	14.0	**0.050**	**0.0155**	**0.050**	0.228	J	0.820	**0.0880**	31.8
05/23/07	6.17	5.41	8.72	69.1	151	210.4	0.3	47.7	100	76.3	2.49	**4.00**	14.0	**0.050**			0.0460		0.609	**0.0890**	31.0
08/05/07	6.64	4.89	8.72	67.6	119	50.1	0.3	54.0	127	80.0	**2.5**	**1**	**16**	**0.01**			**0.02**		**0.9**	**0.05**	40.7
09/08/07	6.22	4.81	7.68	60	120	218.1	0.23	53.0	131	80.0	**2.5**	**1**	**16**	**0.03**			**0.01**		**1.9**	**0.05**	36.5
10/26/07	6.63	2.49	9.13	67	97	201.6	0.08	48.0	113	90.0	**2.5**	**1**	**15**	**0.01**			**0.005**		**1.0**	**0.05**	30.1
Mean	6.52	5	8.870	69.3	115	150.2	0.3	49.1	110	79.0	7.8	2.8	14.0	0.30	0.034	0.036	0.057	0.05	0.884	0.077	33.2
Median	6.56	5	8.720	68.4	117	193.7	0.3	48.4	110	80.0	2.5	3.5	14.0	0.05	0.0355	0.0425	0.033	0.050	0.820	0.084	31.8
St. Deviation	0.24	1	0.7600	6.90	16	108.1	0.2	3.7	10	9.0	12.4	1.8	2.0	0.78	0.017	0.018	0.071	NA	0.409	0.026	3.80
# of values	10	10	10	10	10	10	10	9	9	9	9	9	9	9	3	3	9	1	9	9	9
Minimum	6.17	2.49	7.68	60	95	-119.3	0.05	43	90	57.5	1.58	0.785	11.0	0.01	0.0155	0.0155	0.005	0.05	0.537	0.05	28.1
Maximum	6.86	6.6	10.12	82.2	151	229.7	0.71	54	131	90	40	5.25	16	2.38	0.050	0.050	0.228	0.05	1.9	0.125	40.7
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	44%	0%	67%	67%	67%	11%	100%	0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	5	3	1	1	1	2	3	3	5	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2305																									
Sample Date																									
07/19/05	**0.00125**	**0.00125**			**0.0155**	13.8	11.6	0.018	0.0208 +	**0.125**	**0.125**	4.46	4.28	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8730	7650	0.497	0.321
08/24/05																									
10/07/05	**0.00125**	**0.00125**			**0.05**	2.23	2.52	0.0696	**0.0066** J	**0.125**	**0.125**	4.99	4.80	**0.0075**	**0.0075**	0.0142	0.0162	**1.55**	**1.55**	**0.0228**	**0.024**	8520	7990	0.509	0.543
06/28/06	**0.00105**	**0.00075**			**0.0155**	3.23	**1.00**	**0.0250**	**0.0250** U	**0.155**	**0.155**	3.95	4.15	**0.0120**	**0.0120**	**0.0212**	**0.0188**	**0.75**	**0.75**	**0.0270**	**0.0125**	6900	6850	0.445	0.560
08/26/06	**0.0025**	**0.00075**			**0.0155**	2.23	**1.66**	**0.0178**	**0.0075**	**0.155**	**0.155**	4.72	5.02	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8690	8280	0.540	0.544
10/04/06	**0.00075**	**0.0020**			**0.050**	2.48	2.33	**0.0250**	**0.0250** U	**0.339**	**0.155**	4.87	5.57	**0.0125**	**0.0125**	**0.0164**	**0.0214**	**1.25**	**1.25**	**0.0185**	**0.0185**	7140	8350	**0.123**	0.228
05/23/07	**0.00075**	**0.00075**			**0.050**	**1.00**	2.30	0.0646	**0.0250** U	**0.155**	**0.155**	5.64	4.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0332**	**0.0238**	7660	7000	0.359	**0.100**
08/05/07	**0.015**	0.015			**0.025**	**2.5**	9.00	**0.2**	**0.2**	**0.25**	**0.25**	4.80	5.20	**0.05**	**0.05**	**20**	**20**	**0.8**	1.80	**0.05**	**0.05**	8500	8500	**0.1**	**0.3**
09/07/07	**0.0025**	**0.0025**			**0.025**	6.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	4.50	4.80	**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	9300	10200	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	7.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	5.20		**0.05**	**0.05**	**20**	**20**	1.30	1.60	**0.05**	**0.05**	7400	7600	0.600	**0.25**
Mean	0.0031	0.003	NA	NA	0.03	4.50	3.93	0.091	0.079	0.2	0.18	4.79	4.76	0.024	0.024	6.674	6.675	1.13	1.28	0.0309	0.0283	8090	8050	0.380	0.344
Median	0.00125	0.00125	NA	NA	0.025	2.50	2.50	0.0646	0.025	0.155	0.155	4.80	4.80	0.0125	0.0125	0.0164	0.0188	1.25	1.25	0.027	0.0238	8500	7990	0.445	0.3
St. Deviation	0.0045	0.0046	NA	NA	0.015	3.99	3.70	0.084	0.091	0.074	0.054	0.48	0.50	0.02	0.02	9.994	9.994	0.37	0.42	0.0159	0.017	830	990	0.184	0.166
# of values	9	9	0	0	9	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9
Minimum	0.00075	0.00075	NA	NA	0.0155	1.00	1.00	0.0178	0.0066	0.125	0.125	3.95	4.15	0.0075	0.0075	0.00155	0.00155	0.50	0.5	0.00775	0.00775	6900	6850	0.1	0.100
Maximum	0.015	0.015	NA	NA	0.05	13.8	11.6	0.2	0.2	0.339	0.25	5.64	5.57	0.05	0.05	20	20	1.55	1.80	0.05	0.05	9300	10200	0.600	0.560
% of values undetected	100%	89%			100%	22%	33%	56%	78%	89%	100%	0%	0%	100%	100%	67%	67%	78%	78%	67%	78%	0%	0%	11%	33%
# of values between MDL and PQL	0	1			0	0	1	1	1	1	0	0	0	0	0	2	2	1	0	3	2	0	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.00	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.091	0.088	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	11%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2405																									
Sample Date																									
07/21/05	**0.00125**	**0.00125**			**0.067**	75.2	4.75	0.0136	0.0128 +	**0.293**	**0.125**	2.32	1.75	**0.0164**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.028**	**0.00775**	15100	13600	0.362	**0.1**
08/24/05																									
10/07/05	**0.00125**	**0.00125**			**0.05**	27.8	5.14	**0.00155**	R	**0.405**	**0.125**	2.21	2.09	**0.0075**	**0.0075**	0.0132		**1.55**	**1.55**	**0.046**	0.0752	14000	13500	0.539	0.681
06/27/06	**0.00105**	**0.00075**			**0.050**	51.4	9.41	**0.0250**	**0.0250** U	**0.155**	**0.155**	2.26	1.99	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0458**	**0.0308**	14600	14000	0.229	
08/28/06	**0.00075**	**0.00075**			**0.0155**	51.8	8.44	**0.0075**	**0.0075**	**0.155**	**0.155**	2.11	2.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	12600	12200	0.490	0.568
10/05/06	**0.00075**	**0.0040**			**0.050**	151	7.07	**0.0075**	**0.0075**	**0.461**	**0.155**	2.39	2.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	12900	12800	**0.050**	
05/23/07	**0.00075**	**0.00075**			**0.050**	131	9.37	**0.0250**	0.0706	**0.155**	**0.155**	2.29	1.97	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0572	**0.0246**	14100	13000	**0.050**	**0.050**
08/05/07	**0.015**	0.015			**0.025**	151	14.0	**0.2**	**0.2**	**0.25**	**0.25**	2.50	2.80	**0.05**	**0.05**	**20**	**20**	**0.7**	1.70	**0.05**	**0.05**	17100	15700	**0.2**	**0.05**
09/08/07	**0.0025**	**0.0025**			**0.025**	83.0	14.0	**0.2**	**0.2**	**0.25**	**0.25**	2.50	2.70	**0.05**	**0.05**	**20**	**20**	1.10	**0.5**	**0.05**	**0.05**	15700	15400	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.25**	11.0	8.00	**0.2**	**0.2**	**0.25**	**0.25**	3.40	3.00	**0.05**	**0.05**	**20**	**20**	1.40	1.30	**0.05**	**0.05**	14000	13900	**0.25**	**0.25**
Mean	0.0029	0.0032	NA	NA	0.065	81.5	8.91	0.076	0.090	0.264	0.18	2.44	2.33	0.025	0.024	6.6716	7.5039	1.58	1.62	0.04	0.0362	14500	13800	0.269	0.278
Median	0.00125	0.00125	NA	NA	0.05	75.2	8.44	0.025	0.048	0.25	0.155	2.32	2.09	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.046	0.0308	14100	13600	0.25	0.25
St. Deviation	0.0046	0.0046	NA	NA	0.071	52.2	3.32	0.094	0.093	0.109	0.054	0.38	0.45	0.019	0.02	9.9963	10.3477	1.31	1.32	0.015	0.0215	1400	1100	0.171	0.253
# of values	9	9	0	0	9	9	9	9	8	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	7
Minimum	0.00075	0.00075	NA	NA	0.0155	11.0	4.75	0.00155	0.0075	0.155	0.125	2.11	1.75	0.0075	0.0075	0.00155	0.00155	0.70	0.5	0.0185	0.00775	12600	12200	0.050	0.05
Maximum	0.015	0.015	NA	NA	0.25	151	14.0	0.2	0.2	0.461	0.25	3.4	3.00	0.05	0.05	20	20	5	5	0.0572	0.0752	17100	15700	0.539	0.681
% of values undetected	100%	89%			89%	0%	0%	89%	75%	67%	100%	0%	0%	89%	100%	89%	100%	67%	78%	56%	67%	0%	0%	44%	71%
# of values between MDL and PQL	0	1			1	0	0	0	0	3	0	0	0	1	0	0	0	1	0	3	2	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.87	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.147	0.138	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	11%	NA	NA	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2305																									
Sample Date																									
07/19/05	0.0142	0.0208	0.401	0.33	**10**	**3.1**	0.111	**0.05**	1500	1390	0.242	**0.1**	**0.000450**		0.301	0.266	0.313	0.292	510	482	**0.344**	**0.321**	3820	**0.0031**	**0.0031**
08/24/05																									
10/07/05	0.0224	0.0292	0.389		**3.1**	**6.41**	**0.0155**		1600	1510	**0.0722**	**0.163**	**0.000450**		0.249	0.230	0.295		546	538	**0.298**	**0.17**	4540	**0.0031**	**0.0031**
06/28/06	0.0464	0.0450	0.382	0.465	**3.10**	**7.90**	0.531	0.248	1260	1290	0.120	0.133	**0.000475**		0.239	0.236	0.419		422	420	**0.155**	**0.155**	3890	**0.0031**	**0.0031**
08/26/06	0.0294	**0.0065**	0.400		**3.10**		**0.0698**	0.118	1620	1370	0.0804	0.115	**0.000475**		0.237	0.265	0.310		511	471	**0.155**	**0.390**	3480	**0.0031**	**0.0031**
10/04/06	**0.0170**	0.0268	0.439	0.416	**17.8**	24.7	**0.0155**	**0.0155**	1440	1590	0.0690		**0.00313**		0.302	0.315	0.229	0.277	434	501	**0.155**	**0.450**	4310	**0.0031**	**0.0031**
05/23/07	0.0222	**0.0158**	0.389	0.254	24.9	22.2	0.124	**0.0155**	1420	1340	0.117	0.0700	**0.000169**		0.317	0.273	0.250	**0.100**	480	435	**0.155**	**0.367**	3840	**0.0031**	**0.0031**
08/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1400	1500	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.4**	**0.3**	3700	**0.025**	**0.025**
09/07/07	**0.06**	**0.025**	**0.25**	**0.25**	90	**25**	**0.05**	**0.05**	1600	1800	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**600**	**0.4**	**0.4**	4300	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1300	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**600**	**400**	**0.25**	**0.25**	4200	**0.025**	**0.025**
Mean	0.0291	0.024	0.350	0.32	19	14.0	0.113	0.0750	1400	1450	0.160	0.170	0.00115	NA	0.266	0.259	0.300	0.260	540	539	0.257	0.310	4010	0.010	0.010
Median	0.025	0.025	0.389	0.254	10	10.0	0.0500	0.0500	1440	1390	0.120	0.150	0.00047	NA	0.250	0.250	0.300	0.300	510	482	0.250	0.321	3890	0.0031	0.0031
St. Deviation	0.0148	0.01	0.077	0.09	28	9.0	0.161	0.0770	100	170	0.0800	0.0700	0.00119	NA	0.0310	0.0250	0.0500	0.0800	180	184	0.107	0.100	340	0.011	0.011
# of values	9	9	9	7	9	8	9	8	9	9	9	8	9	0	9	9	9	6	9	9	9	9	9	9	9
Minimum	0.0142	0.0065	0.25	0.25	3.1	3.1	0.0155	0.0155	1200	1290	0.0690	0.0700	0.000169	NA	0.237	0.230	0.229	0.100	400	400	0.155	0.155	3480	0.0031	0.0031
Maximum	0.06	0.045	0.439	0.465	90	25.0	0.531	0.248	1620	1800	0.25	0.25	0.00313	NA	0.317	0.315	0.419	0.3	1000	1000	0.4	0.450	4540	0.025	0.025
% of values undetected	22%	44%	33%	43%	67%	50%	56%	75%	0%	0%	33%	50%	89%		33%	33%	33%	67%	11%	11%	56%	22%	0%	100%	100%
# of values between MDL and PQL	2	1	0	0	1	2	1	0	0	0	1	1	1		0	0	0	0	2	2	4	7	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.653	2.547	1000	1000	0.489	0.491	NA	NA	NA	NA	0.012	0.012	NA	NA	15.02	14.98	NA	NA	5	4.6	NA	0.323051393	0.275
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2405																									
Sample Date																									
07/21/05	0.0776	0.0306	1.570	0.511	59.6	**3.1**	0.150	0.157	3480	3180	17.2	0.371	**0.0025**		0.247	0.210	1.06	1.03	792	707	**0.497**	**0.0775**	5020	**0.0031**	**0.0031**
08/24/05																									
10/07/05	0.051		0.944	0.552	26.8	**16.6**	**0.0378**		3270	3240	4.72	0.851	**0.000450**		0.250	0.271	0.882		940	924	0.586	0.554	5830	**0.0031**	**0.0068**
06/27/06	0.0634	0.0476	1.200	0.669	47.4	**10.9**	0.149		3440	3300	6.92	0.209	**0.00250**		0.222	0.227	1.10		671	651	**0.424**	**0.487**	5120	**0.0031**	**0.0031**
08/28/06	0.0794	0.0338	0.982	0.575	80.0	**11.3**	0.116	0.195	2830	2730	5.50	0.220	**0.000475**		0.131	0.121	0.842		655	653	**0.497**	**0.517**	4880	**0.0031**	**0.0031**
10/05/06	0.210	0.0340	2.350	0.596	285	**13.7**	0.501		3050	3120	14.5	0.289	**0.00121**		0.304	0.254	0.810	0.747	807	844	**0.469**	**0.600**	5250	0.028	**0.0031**
05/23/07	0.195	0.0246	1.860	0.558	417	41.8	2.59	0.390	3070	3000	43.2	0.966	**0.000571**		0.341	0.288	0.859	0.699	972	926	**0.559**	**0.532**	4610	**0.0170**	**0.0031**
08/05/07	**0.12**	**0.025**	**1.9**	**1.1**	260	**10**	**0.4**	**0.05**	3700	3600	9.20	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.6**	**1000**	**1000**	0.700	0.500	4700	**0.025**	**0.025**
09/08/07	**0.18**	**0.025**	**1.9**	**0.8**	140	**10**	**0.1**	**0.05**	3500	3500	28.1	**0.5**	**0.00250**		**0.25**	**0.25**	**1.5**	**1.5**	**1100**	**1100**	0.600	0.500	4700	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.7**	**10**	**10**	**0.05**	**0.05**	3000	3200	**0.25**	**0.5**	**0.000577**		**0.25**	**0.25**	**0.9**	**0.3**	**1100**	**900**	**0.25**	**0.25**	5500	**0.025**	**0.025**
Mean	0.111	0.031	1.440	0.673	147.3	14.2	0.455	0.150	3260	3200	14.4	0.462	0.00148	NA	0.249	0.236	0.920	0.810	893	856	0.509	0.446	5070	0.015	0.011
Median	0.0794	0.028	1.570	0.596	80.0	10.9	0.149	0.100	3270	3200	9.20	0.371	0.00121	NA	0.250	0.250	0.882	0.720	940	900	0.497	0.500	5020	0.017	0.0031
St. Deviation	0.068	0.008	0.649	0.183	141.4	11.0	0.816	0.130	290	300	13.6	0.277	0.00100	NA	0.0570	0.0490	0.320	0.410	169	157	0.127	0.169	410	0.011	0.011
# of values	9	8	9	9	9	9	9	6	9	9	9	9	9	0	9	9	9	6	9	9	9	9	9	9	9
Minimum	0.025	0.0246	0.25	0.511	10	3.1	0.0378	0.05	2830	2730	0.25	0.209	0.000450	NA	0.131	0.121	0.3	0.3	655	651	0.25	0.0775	4610	0.0031	0.0031
Maximum	0.21	0.0476	2.35	1.1	417	41.8	2.59	0.390	3700	3600	43.2	0.966	0.00250	NA	0.341	0.288	1.5	1.5	1100	1100	0.700	0.600	5830	0.028	0.025
% of values undetected	11%	38%	11%	0%	11%	44%	11%	50%	0%	0%	11%	11%	67%		33%	33%	22%	33%	11%	11%	11%	22%	0%	78%	89%
# of values between MDL and PQL	2	0	2	3	0	4	3	0	0	0	0	2	3		0	0	1	1	2	2	5	4	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.604	4.420	1000	1000	1.111	1.013	NA	NA	NA	NA	0.012	0.012	NA	NA	25.92	25.85	NA	NA	5	4.6	NA	0.97960943	0.833
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2305										
Sample Date										
07/19/05	1330	1320	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	8.14	
08/24/05										
10/07/05	1380	1350	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	0.341	1.84	2.31
06/28/06	1150	1130	0.0106	0.0080	**0.0155**	**0.0155**	**0.110**	**0.110**	3.11	
08/26/06	1300	1110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.54	3.45
10/04/06	1210	1370	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.06	
05/23/07	1250	1140	**0.0050**	**0.0050**	0.513	**0.050**	**0.155**	**0.155**	4.08	1.41
08/05/07	1200	1300	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/07/07	1300	1400	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**5**
10/26/07	1100	1200	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**5**
Mean	1250	1260	0.0424	0.0421	0.0930	0.0420	0.140	0.170	3.53	3.00
Median	1250	1300	0.00500	0.00500	0.0500	0.0500	0.100	0.110	3.11	2.90
St. Deviation	90	110	0.0802	0.0804	0.158	0.0130	0.0600	0.0900	2.30	1.70
# of values	9	9	9	9	9	9	9	9	9	6
Minimum	1100	1110	0.0031	0.0031	0.0155	0.0155	0.1	0.1	1	1
Maximum	1380	1400	0.25	0.25	0.513	0.05	0.250	0.341	8.14	5
% of values undetected	0%	0%	89%	89%	89%	100%	100%	89%	33%	50%
# of values between MDL and PQL	3	3	0	1	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	34.44	33.96
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP2405										
Sample Date										
07/21/05	1410	1260	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	57.5	59
08/24/05										
10/07/05	1370	1370	0.0096	0.028	**0.031**	**0.031**	0.32	**0.1**	46.3	43.3
06/27/06	1380	1310	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.561	**0.110**	51.4	43.2
08/28/06	1230	1220	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	42.4	39.9
10/05/06	1220	1300	**0.0050**	0.0260	**0.050**	**0.050**	0.554	**0.250**	45.6	40.0
05/23/07	1380	1200	**0.0050**	**0.0050**	**0.050**	**0.050**	0.776	**0.155**	40.7	27.0
08/05/07	1300	1400	0.1	**0.05**	**0.05**	**0.05**	0.6	**0.1**	56.0	43.0
09/08/07	1200	1300	**0.05**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	59.0	47.0
10/26/07	1300	1300	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	44.0	41.0
Mean	1310	1300	0.0256	0.0470	0.0420	0.0420	0.370	0.140	49.2	43.0
Median	1300	1300	0.00500	0.0260	0.0500	0.0500	0.320	0.100	46.3	43.0
St. Deviation	80	100	0.0341	0.0790	0.0130	0.0130	0.260	0.0600	6.90	8.00
# of values	9	9	9	9	9	9	9	9	9	9
Minimum	1200	1200	0.0025	0.0025	0.0155	0.0155	0.1	0.1	40.7	27.0
Maximum	1410	1400	0.1	0.25	0.05	0.05	0.776	0.250	59.0	59
% of values undetected	0%	0%	78%	78%	100%	100%	44%	100%	0%	0%
# of values between MDL and PQL	3	3	2	0	0	0	4	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	59.48	58.65
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP2505																					
Sample Date																					
07/20/05	6.4	3.88	11.05	84	63	295	0.82	27.9	65.0	50.0	5.21	**0.785**	20.5	2.550			0.112		0.603	**0.05**	9.09
08/24/05	6.36	4.19	11.26	86.3	67	198	0.62														
10/07/05	6.22	2.94	11.37	84.4	55	204.4	0.22	28.7	65.0	21.0	1.5	**4.25**	20.0	0.153			**0.016**		0.587	**0.049**	9.46
06/27/06	7.25	3.55	10.55	79.7	65	-132	0.23	26.5	60.0	56.3	**0.075**	5.50	21.0	0.154	**0.050**	0.116	**0.0080**	**0.05** J	0.800	**0.0440**	9.54
08/28/06	6.27	2.74	8.75	64.9	59	146.6	0.09	29.5	60.0	62.5	0.928	**5.50**	21.0	0.153	**0.0155**	0.136	**0.0079**	**0.0155**	0.819	**0.0380**	8.82
10/05/06	6.70	2.85	8.83	65.4	66	222.3	0.26	26.9	60.0	36.3	**0.0775**	**8.50**	22.0	0.124	**0.0155**	0.107	**0.0070**	**0.05** J	0.848	**0.0710**	10.0
08/06/07	7.92	3.17	11.77	87.8	68	37.7	0.23	31.0	71.0	50.0	**2.5**	**1**	21.0	0.390			**0.03**		**0.8**	**0.05**	10.8
09/08/07	6.24	3.72	9.01	68.3	70	218	0.19	32.0	77.0	40.0	**2.5**	**1**	23.0	0.170			**0.005**		**0.8**	**0.05**	11.7
10/26/07	6.57	2.38	9.87	72.1	66	202.2	0.15	31.0	72.0	50.0	**2.5**	**1**	21.0	0.160			**0.005**		**0.8**	**0.05**	9.70
Mean	6.66	3	10.27	77.0	64	155.0	0.3	29.2	66.0	46.0	1.9	3.4	21.0	0.482	0.027	0.12	0.024	0.039	0.757	0.05	9.89
Median	6.4	3.17	10.55	79.7	66	202.2	0.23	29.1	65.0	50.0	2.0	2.6	21.0	0.157	0.0155	0.116	0.008	0.050	0.800	0.05	9.62
St. Deviation	0.57	1	1.190	9.30	5.0	128.0	0.2	2	6	13.0	1.7	2.9	1.0	0.840	0.020	0.015	0.037	0.02	0.102	0.01	0.94
# of values	9	9	9	9	9	9	9	8	8	8	8	8	8	8	3	3	8	3	8	8	8
Minimum	6.22	2.38	8.75	64.9	55	-132	0.09	26.5	60	21	0.075	0.785	20.0	0.124	0.0155	0.107	0.005	0.0155	0.587	0.038	8.82
Maximum	7.92	4.19	11.77	87.8	70	295	0.82	32	77	62.5	5.21	8.5	23.0	2.550	0.05	0.136	0.112	0.05	0.848	0.071	11.7
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	63%	50%	0%	0%	100%	0%	25%	100%	0%	50%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	5	0	3	4	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP26																					
Sample Date																					
10/06/06	3.85	4.26	7.43	57.3	153	433.7	0.22	24.5	140	114	0.928	28.0	**1.55**	0.270	**0.0155**	0.261	**0.00155**		0.911	0.297	60.6
03/24/07	7.24	3.65	10.48	79.5	70	225.4	0.11														
05/26/07	3.87	0.78	9.44	66.1	159	381.9	0.16	23.9	150	118	1.88	29.5	**1.55**	0.520			0.0315		0.796	0.190	54.6
08/02/07	3.91	4.28	3.03	23.4	195	294.1	0.32	30.0	191	120	**2.5**	38.0	**1**	0.380			**0.025**		**1.0**	**0.2**	66.4
09/07/07	4.05	6.17	2.45	19.8	173	351.2	0.4	30.0	190	130	**2.5**	40.0	**1**	0.350			**0.005**		**1.1**	**0.1**	69.3
10/21/07	3.74	2.70	7.06	52	155	284.5	0.12	28.0	161	120	**2.5**	28.0	**1**	0.420			**0.005**		**1.0**	**0.2**	65.5
06/03/08	4.19	1.70	9.23	66.3	123	417.9	0.12	18.4	104	68.8	**0.1555**	18.8	**1.55**	1.590			**0.0056**		0.693	**0.093**	29.0
08/03/08	3.85	6.06	6.36	51.2	180	455.5	0.12	26.8	101	116	2.79	34.5	**1.55**	0.346			0.0176		0.865	0.252	58.5
09/17/08	3.72	5.64	6.68	53.2	189	438.2	1.32	24.7	178	111	10	35.1	**1.55**	0.221			0.0124		0.630	0.176	58.3
Mean	4.27	4	6.910	52.1	155	364.7	0.3	25.8	152	112	2.9	31.0	1.34	0.510	0.0155	0.261	0.013	NA	0.874	0.189	57.8
Median	3.87	4.26	7.060	53.2	159	381.9	0.16	25.8	156	117	2.5	32.0	1.55	0.370	0.0155	0.261	0.009	NA	0.888	0.195	59.6
St. Deviation	1.12	2	2.740	19.5	39	81.00	0.4	3.8	35	18	3.0	7.0	0.28	0.440	NA	NA	0.0108	NA	0.162	0.069	12.6
# of values	9	9	9	9	9	9	9	8	8	8	8	8	8	8	1	1	8	0	8	8	8
Minimum	3.72	0.78	2.45	19.8	70	225.4	0.11	18.4	101	68.8	0.1555	18.8	1	0.221	0.0155	0.261	0.00155	NA	0.630	0.093	29.0
Maximum	7.24	6.17	10.48	79.5	195	455.5	1.32	30	191	130	10	40.0	1.55	1.590	0.0155	0.261	0.0315	NA	1.1	0.297	69.3
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	100%	0%	100%	0%	50%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	4	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	89%	0%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	89%	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2505																									
Sample Date																									
07/20/05	**0.00125**	**0.00125**			**0.0155**	52.6	3.40	0.0336	0.0328 +	**0.125**	**0.125**	2.78	2.28	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	8540	8330	0.346	0.369
08/24/05																									
10/07/05	**0.00125**	**0.00125**			**0.05**	14.9	3.37	0.0232	R	**0.125**	**0.125**	2.66	2.67	**0.0075**	**0.0075**	0.013	**0.005**	**1.55**	**4.3**	**0.00775**	**0.00775**	8800	8500	0.472	0.300
06/27/06	**0.00105**	**0.00075**			**0.050**	3.52	**1.00**	**0.0250**	0.0512	**0.155**	**0.155**	2.66	2.93	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	8100	8690	**0.050**	
08/28/06	**0.00075**	**0.00075**			**0.0155**	2.03	**1.75**	**0.0075**	**0.0075**	**0.155**	**0.155**	2.83	2.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9250	7850	0.455	0.536
10/05/06	**0.00075**	**0.00075**			**0.050**	2.18	**1.00**	**0.0075**	**0.0198** J	**0.155**	**0.155**	2.57		**0.0125**	**0.0125**	**0.0075**	**0.0152**	**1.25**	**1.25**	**0.0185**	**0.0185**	8410	10100	**0.050**	**0.116**
08/06/07	**0.015**	**0.0025**			**0.025**	53.0	6.00	**0.2**	**0.2**	**0.25**	**0.25**	2.80	3.00	**0.05**	**0.05**	**20**	**20**	**0.6**	1.30	**0.05**	**0.05**	9700	9600	**0.2**	**0.2**
09/08/07	**0.0025**	**0.0025**			**0.025**	15.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.90	3.50	**0.05**	**0.05**	**20**	**20**	1.40	1.10	**0.05**	**0.05**	9900	9800	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.80		**0.05**	**0.05**	**20**	**20**	1.20	1.40	**0.05**	**0.05**	9800	9500	**0.25**	**0.25**
Mean	0.0031	0.0015	NA	NA	0.032	18.2	2.69	0.087	0.102	0.183	0.183	2.75	2.90	0.025	0.025	7.505	7.505	1.63	2.04	0.0269	0.0269	9100	9050	0.259	0.289
Median	0.0013	0.0013	NA	NA	0.025	9.2	2.5	0.029	0.0512	0.155	0.155	2.79	2.90	0.013	0.013	0.01	0.011	1.25	1.28	0.0185	0.0185	9000	9100	0.25	0.250
St. Deviation	0.0048	0.0008	NA	NA	0.015	22.0	1.63	0.094	0.093	0.057	0.057	0.11	0.40	0.021	0.021	10.347	10.347	1.40	1.63	0.0196	0.0196	700	810	0.161	0.134
# of values	8	8	0	0	8	8	8	8	7	8	8	8	6	8	8	8	8	8	8	8	8	8	8	8	7
Minimum	0.00075	0.00075	NA	NA	0.0155	2.03	1.00	0.0075	0.0075	0.125	0.125	2.57	2.28	0.0075	0.0075	0.00155	0.00155	0.60	0.75	0.00775	0.00775	8100	7850	0.05	0.116
Maximum	0.015	0.0025	NA	NA	0.05	53.0	6.00	0.2	0.2	0.25	0.25	2.90	3.50	0.05	0.05	20	20	5	5	0.05	0.05	9900	10100	0.472	0.536
% of values undetected	100%	100%			100%	13%	50%	75%	57%	100%	100%	0%	0%	100%	100%	88%	88%	63%	50%	100%	100%	0%	0%	50%	29%
# of values between MDL and PQL	0	0			0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.86	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.102	0.098	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP26																									
Sample Date																									
10/06/06	**0.00075**	**0.00075**			**0.0155**	2360	2780	**0.0075**	**0.0075**	**0.155**	**0.155**	22.5	24.7	0.115	0.108	**0.0075**	**0.0075**	**1.25**	**1.25**	0.110	**0.0185**	6390	7280	**0.050**	0.202
03/24/07																									
05/26/07	**0.00075**	**0.00075**			**0.0155**	3590	3680	**0.0075**	R	**0.155**	**0.155**	22.8	24.5	0.117	0.121	**0.0075**	**0.0075**	**1.25**	**1.25**	0.165	0.181	5840	6550	**0.100**	**0.100**
08/02/07	**0.0025**	**0.015**			**0.025**	4770	5200	**0.2**	**0.2**	**0.25**	**0.25**	22.7	23.5	**0.1**	**0.1**	**20**	**20**	1.60	**2.5**	**0.2**	**0.2**	6900	7300	**0.2**	
09/07/07	**0.0025**	**0.0025**			**0.15**	3750	3960	**0.2**	**0.2**	**0.25**	**0.25**	21.3	21.3	**0.1**	**0.1**	**20**	**20**	1.50	1.90	**0.2**	**0.2**	6800	7200	**0.25**	**0.25**
10/21/07	**0.0025**	**0.0025**			**0.15**	3970	3980	**0.2**	**0.2**	**0.25**	**0.25**	22.8	23.3	**0.1**	**0.1**	**20**	**20**	**2.5**	1.80	**0.25**	**0.25**	6700	7100	**0.05**	**0.05**
06/03/08	**0.00075**	**0.00075**			0.33	1590	1590	**0.0075**	**0.0075**	**0.155**	**0.155**	17.1	17.5	0.0503	0.0715	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0826	0.0872	4890	5140	**0.132**	0.284
08/03/08	**0.00075**	**0.00075**			**0.0155**	4440	4250	**0.0075**	**0.0075**	**0.155**	**0.155**	25.5	26.4	0.116	0.106	**0.0075**	**0.0075**	**1.25**	**1.25**	0.147	0.158	6330	7550	0.250	0.416
09/17/08	**0.00075**	**0.00075**			**0.050**	3650	3560	**0.0075**	**0.0075**	**0.155**	**0.155**	22.4	22.7	0.0955	0.102	**0.0075**	**0.0075**	**1.25**	**1.25**	0.14	0.127	5790	6120	0.235	**0.100**
Mean	0.00141	0.00297	NA	NA	0.094	3520	3630	0.0797	0.09	0.191	0.191	22.1	23.0	0.099	0.101	7.5047	7.5047	1.48	1.56	0.16	0.153	6210	6780	0.158	0.200
Median	0.00075	0.00075	NA	NA	0.038	3700	3820	0.0075	0.0075	0.155	0.155	22.6	23.4	0.1	0.101	0.0075	0.0075	1.25	1.25	0.16	0.17	6360	7150	0.166	0.202
St. Deviation	0.00091	0.00493	NA	NA	0.112	1050	1070	0.0996	0.1029	0.049	0.049	2.4	2.70	0.022	0.014	10.3471	10.3471	0.43	0.47	0.05	0.073	670	810	0.086	0.128
# of values	8	8	0	0	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7
Minimum	0.00075	0.00075	NA	NA	0.0155	1590	1590	0.0075	0.0075	0.155	0.155	17.1	17.5	0.0503	0.0715	0.0075	0.0075	1.25	1.25	0.0826	0.0185	4890	5140	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.33	4770	5200	0.2	0.2	0.25	0.25	25.5	26.4	0.117	0.121	20	20	2.50	2.5	0.25	0.25	6900	7550	0.250	0.416
% of values undetected	100%	100%			75%	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	75%	75%	13%	25%	0%	0%	50%	57%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	3	3	0	0	0	0	2	2	0	0	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.083	0.081	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	13%	NA	NA	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	88%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2505																									
Sample Date																									
07/20/05	0.117	0.0222	0.763	0.244	85.1	**3.1**	0.102	0.125	1590	1530	14.4	0.312	**0.0025**		0.449	0.411	0.369		696	664	**0.224**	**0.0775**	3060	**0.0031**	**0.0031**
08/24/05																									
10/07/05	0.0428	0.0392	0.368	0.325	29.2	**9.39**	**0.0155**		1650	1550	2.29	**0.192**	**0.000450**		0.356	0.402	0.307		704	705	**0.169**	**0.294**	3490	**0.0031**	**0.0031**
06/27/06	0.0368	0.0362	0.236	0.283	**7.34**	**7.13**	**0.0250**		1470	1610	0.385	0.115	**0.000475**		0.359	0.368	0.453		648	717	**0.155**	**0.155**	3440	**0.0031**	**0.0031**
08/28/06	0.0270	0.0298	0.259		**6.27**	**3.10**	**0.0155**		1570	1380	0.267	0.212	**0.000475**		0.283	0.281	0.390	0.565	753	619	**0.155**	**0.155**	2960	**0.0031**	**0.0031**
10/05/06	0.0214	0.0280	0.161		24.5	31.6	**0.0155**		1430		0.0994	0.104	**0.000475**		0.393	0.443	0.222	0.301	593		**0.155**	**0.155**	3220	**0.0031**	**0.0031**
08/06/07	**0.11**	**0.025**	**1.2**	**0.25**	390	**10**	**0.1**	**0.05**	1800	1700	14.1	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.2**	**0.3**	3300	**0.025**	**0.025**
09/08/07	**0.08**	**0.025**	**1.2**	**1.1**	**10**	**10**	**0.05**	**0.05**	1700	1700	**1.1**	**0.25**	**0.00250**		**0.25**	**1.5**	**0.3**	**0.3**	**700**	**900**	**0.3**	**0.2**	3100	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1600	1700	**0.25**	**0.25**	**0.000371**		**0.25**	**0.25**	**0.3**	**0.3**	**900**	**700**	**0.25**	**0.25**	3400	**0.025**	**0.025**
Mean	0.058	0.029	0.555	0.409	70.3	11.0	0.0470	0.0690	1600	1600	4.11	0.211	0.00122	NA	0.324	0.488	0.330	0.350	749	758	0.201	0.198	3250	0.011	0.011
Median	0.04	0.027	0.314	0.267	17.3	10.0	0.0380	0.0500	1600	1610	0.740	0.231	0.000475	NA	0.320	0.385	0.300	0.300	702	705	0.185	0.178	3260	0.0031	0.0031
St. Deviation	0.039	0.006	0.439	0.340	131.8	9.0	0.0360	0.0380	120	120	6.30	0.0720	0.00106	NA	0.0760	0.416	0.0700	0.120	135	138	0.0540	0.0780	190	0.011	0.011
# of values	8	8	8	6	8	8	8	4	8	7	8	8	8	0	8	8	8	5	8	7	8	8	8	8	8
Minimum	0.0214	0.0222	0.161	0.244	6.27	3.10	0.0155	0.05	1430	1380	0.0994	0.104	0.000371	NA	0.25	0.25	0.222	0.3	593	619	0.155	0.0775	2960	0.0031	0.0031
Maximum	0.117	0.0392	1.2	1.1	390	31.6	0.102	0.125	1800	1700	14.4	0.312	0.0025	NA	0.449	1.5	0.453	0.565	1000	1000	0.3	0.3	3490	0.025	0.025
% of values undetected	13%	38%	13%	33%	25%	63%	75%	75%	0%	0%	13%	38%	88%		38%	38%	38%	60%	13%	14%	50%	63%	0%	100%	100%
# of values between MDL and PQL	2	0	2	1	2	2	1	0	0	0	1	1	1		0	0	0	0	2	2	4	3	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.013	2.892	1000	1000	0.591	0.581	NA	NA	NA	NA	0.012	0.012	NA	NA	NA	17.04	16.98	NA	NA	5	4.6	NA	0.41717554	0.355
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP26																									
Sample Date																									
10/06/06	7.71	8.34	306	328	351	360.0	**0.0606**	0.102	2070	2120	79.5	85.9	**0.000475**		**0.0145**	**0.0145**	8.71	9.30	2070	2220	**0.317**	**0.155**	13700	**0.0031**	**0.0142**
03/24/07																									
05/26/07	9.58	9.74	554	576	596	183.0	**0.050**	**0.050**	2270	2550	80.0	83.2	**0.000169**		**0.0075**	**0.0250**	9.77	10.1	2440	2630	**0.155**	**0.155**	14100	**0.0031**	**0.0031**
08/02/07	10.3	10.4	472	452	1110	510.0	**0.05**	**0.05**	2900	2900	101	103	**0.000169**		**0.25**	**0.25**	12.2	12.2	2600	2600	**0.2**	**0.4**	17100	**0.25**	**0.25**
09/07/07	9.24	9.23	395	385	1340	880.0	**0.05**	**0.1**	2800	2900	90.4	99.1	**0.00250**		**0.25**	**2.5**	11.6	11.0	3000	3000	**0.2**	**0.3**	19600	**0.025**	**0.025**
10/21/07	8.29	8.29	392	387	260	250.0	**0.05**	**0.05**	2600	2600	82.6	81.3	**0.000169**		**0.25**	**0.25**	10.4	10.3	2500	2500	**0.25**	**0.25**	17300	**0.025**	**0.025**
06/03/08	4.48	4.66	219	226	103	91.9	**0.0155**	**0.0546**	1490	1550	44.8	46.6	**0.00075**		**0.0075**	**0.0075**	5.55	6.04	1340	1410	**0.155**	**0.155**	9490	**0.0031**	**0.0031**
08/03/08	10.0	9.97	406	411	772	464.0	**0.0359**	**0.068**	2680	2810	101	99.7	**0.00075**		**0.0075**	**0.0075**	12.3	12.6	2170	2360	**0.155**	**0.155**	16400	**0.0031**	**0.0031**
09/17/08	8.79	8.46	360	346	2350	1280	**0.0489**	**0.0565**	2500	2580	87.6	86.4	**0.00174**		**0.0075**	**0.0254**	10.8	10.6	2360	2380	**0.407**	**0.155**	15000	**0.0031**	**0.0031**
Mean	8.55	8.64	388	389	860	502.0	0.0450	0.070	2410	2500	83.4	85.7	0.000840	NA	0.0990	0.385	10.2	10.3	2310	2390	0.23	0.216	15300	0.039	0.041
Median	9.02	8.85	394	386	684	412.0	0.0500	0.060	2550	2590	85.1	86.2	0.000612	NA	0.0110	0.0250	10.6	10.5	2400	2440	0.200	0.155	15700	0.0031	0.0090
St. Deviation	1.86	1.79	101	101	735	397.0	0.0140	0.020	460	460	17.7	17.8	0.000851	NA	0.125	0.861	2.20	2.00	480	460	0.0910	0.0930	3000	0.086	0.085
# of values	8	8	8	8	8	8	8	8	8	8	8	8	8	0	8	8	8	8	8	8	8	8	8	8	8
Minimum	4.48	4.66	219	226	103	91.9	0.0155	0.050	1490	1550	44.8	46.6	0.000169	NA	0.0075	0.0075	5.55	6.04	1340	1410	0.155	0.155	9490	0.0031	0.0031
Maximum	10.3	10.4	554	576	2350	1280	0.0606	0.102	2900	2900	101	103	0.00250	NA	0.25	2.5	12.3	12.6	3000	3000	0.407	0.4	19600	0.25	0.25
% of values undetected	0%	0%	0%	0%	0%	0%	63%	38%	0%	0%	0%	0%	88%		100%	88%	0%	0%	0%	0%	50%	75%	0%	100%	88%
# of values between MDL and PQL	0	0	0	0	0	0	3	4	0	0	0	0	1		0	1	0	0	0	0	4	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.391	2.295	1000	1000	0.419	0.428	NA	NA	NA	NA	0.012	0.012	NA	NA	NA	13.55	13.51	NA	NA	5	4.6	NA	0.261946459	0.223
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	38%	13%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP2505										
Sample Date										
07/20/05	924	910	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.376**	**0.1**	17.1	14.9
08/24/05										
10/07/05	898	927	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	**0.756**	**1.35**
06/27/06	862	884	**0.0025**	**0.0025**	**0.0155**	**0.0155**	0.517	**0.110**	1.98	1.37
08/28/06	865	910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.740**	1.26
10/05/06	733		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
08/06/07	**900**	**1000**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/08/07	**900**	**1000**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/26/07	**900**	**900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	873	930	0.0211	0.0211	0.0410	0.0410	0.300	0.140	3.00	3.70
Median	899	910	0.00500	0.00500	0.0500	0.0500	0.300	0.100	1.00	1.35
St. Deviation	60	50	0.0240	0.0240	0.0130	0.0130	0.200	0.0700	6.00	5.14
# of values	8	7	8	8	8	8	8	8	8	7
Minimum	733	884	0.0025	0.0025	0.0155	0.0155	0.1	0.1	0.50	1
Maximum	924	1000	0.05	0.05	0.05	0.05	0.517	0.250	17.1	14.9
% of values undetected	0%	0%	100%	100%	100%	100%	75%	100%	50%	43%
# of values between MDL and PQL	3	3	0	0	0	0	1	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	39.06	38.52
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP26										
Sample Date										
10/06/06	2560	2600	0.116	0.131	**0.050**	**0.050**	**0.250**	**0.50**	18.2	22.1
03/24/07										
05/26/07	2810	3140	0.140	0.135	**0.050**	**0.050**	**0.155**	**0.155**	27.7	28.8
08/02/07	3200	3300	**0.1**	**0.5**	**0.05**	**0.05**	**0.1**	**0.1**	25.0	28.0
09/07/07	3400	3500	**0.25**	**0.25**	**0.05**	**0.5**	**0.1**	**0.3**	25.0	28.0
10/21/07	3100	3100	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**1**	22.0	24.0
06/03/08	1880	1960	0.0692	0.0691	**0.050**	**0.050**	**0.155**	**0.155**	12.4	13.6
08/03/08	3070	3130	0.138	0.130	**0.050**	**0.050**	**0.155**	**0.155**	26.8	30.6
09/17/08	2800	2890	0.124	0.117	**0.050**	**0.050**	**0.155**	**0.155**	22.6	23.9
Mean	2850	2950	0.150	0.200	0.0500	0.106	0.150	0.320	22.5	24.9
Median	2940	3115	0.130	0.130	0.0500	0.0500	0.160	0.160	23.8	26.0
St. Deviation	470	480	0.0700	0.140	0	0.159	0.050	0.310	5.10	5.40
# of values	8	8	8	8	8	8	8	8	8	8
Minimum	1880	1960	0.0692	0.0691	0.050	0.050	0.1	0.1	12.4	13.6
Maximum	3400	3500	0.25	0.5	0.05	0.5	0.250	1	27.7	30.6
% of values undetected	0%	0%	25%	38%	100%	100%	100%	88%	0%	0%
# of values between MDL and PQL	0	0	1	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	31.06	30.63
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP27																					
Sample Date																					
10/07/06	5.34	4.88	5.16	40.4	72	232.3	8.13	22.3	55.0	56.2	59	**8.00**	**8.00**						0.871	0.152	18.8
08/05/07	6.91	2.86	9.96	73.7	52	210.9	3.55	30.0	86.0	60.0	**6**	**1**	**7**	**0.01**			**0.03**		**0.9**	**0.1**	28.6
10/21/07	7.05	2.90	5.71	42.3	102	72.7	1.59	29.0	79.0	60.0	**12**	**1**	**10**	**0.02**			**0.005**		**1.1**	**0.2**	24.9
Mean	6.43	0	6.940	52.1	75	172.0	0.0	27.0	73.0	59.0	26	3.3	8.3	0.02	NA	NA	0.018	NA	0.957	0.151	24.1
Median	6.91	2.9	5.710	42.3	72	210.9	3.6	29.0	79.0	60.0	12	1	8	0.02	NA	NA	0.018	NA	0.9	0.152	24.9
St. Deviation	0.95	0	2.630	18.7	25	86.60	0.0	4	16	2.0	29	4	1.5	0.01	NA	NA	0.018	NA	0.125	0.05	4.90
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	2	0	3	3	3
Minimum	5.34	2.86	5.16	40.4	52	72.7	1.59	22.3	55	56.2	6	1	7	0.01	NA	NA	0.005	NA	0.871	0.1	18.8
Maximum	7.05	4.88	9.96	73.7	102	232.3	8.13	30	86	60	59	8.00	10	0.02	NA	NA	0.03	NA	1.1	0.2	28.6
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	50%			50%		0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	1	2	1			1		2	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	33%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP30																					
Sample Date																					
10/05/06	5.61	1.40	8.92	63.5	9	155.5	0.28	13.6	37.0	33.8	**0.080**	**1.57**	14.0	0.135	**0.0155**	0.108	0.0310		0.677	**0.0780**	2.23
05/22/07	5.50	0.04	11.27	77	17	213.3	0.41	6.31	17.5	26.3	**0.404**	**1.57**	**6.00**	0.108			0.0330		0.775	**0.0155**	0.85
08/07/07	7.62	1.33	11.92	84.6	39	67.6	0.18	17.0	41.0	40.0	**2.5**	**1**	**15**	0.170			**0.03**		**0.9**	**0.05**	**2.0**
09/04/07	6.76	1.38	12.24	87.2	41	215.1	0.16	17.0	42.0	30.0	**2.5**	**1**	**16**	0.160			**0.005**		**0.9**	**0.05**	**2.5**
10/21/07	6.36	1.40	11.74	83.5	34	243.2	0.05	17.0	40.0	20.0	**2.5**	**1**	**15**	0.140			**0.02**		**0.9**	**0.05**	**2.5**
Mean	6.37	0	11.22	79.2	28	178.9	0	14.0	36.0	30.0	1.6	1.2	13	0.140	0.0155	0.108	0.024	NA	0.830	0.049	2.02
Median	6.36	1.38	11.74	83.5	34	213.3	0.18	17.0	40.0	30.0	2.5	1	15	0.140	0.0155	0.108	0.03	NA	0.900	0.05	2.23
St. Deviation	0.87	0	1.330	9.50	14	69.90	0	5	10	8.0	1.2	0.3	4	0.020	NA	NA	0.012	NA	0.101	0.022	0.69
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	5	0	5	5	5
Minimum	5.5	0.04	8.92	63.5	9	67.6	0.05	6.31	17.5	20	0.08	1	6.00	0.108	0.0155	0.108	0.005	NA	0.677	0.0155	0.85
Maximum	7.62	1.4	12.24	87.2	41	243.2	0.41	17	42	40	2.5	1.57	16	0.170	0.0155	0.108	0.033	NA	0.9	0.078	2.5
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	100%	0%	0%	100%	0%	20%	0%	0%	80%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	2	0	3	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP27																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				2730	73.9	0.123	**0.0390** J	3.22	**0.155**	3.11	1.87	0.0594	**0.0125**	**0.0450**	**0.0270**	**1.25**	**1.25**	**0.0185**	**0.0185**	5830	6970	0.257	**0.050**
08/05/07	**0.015**	**0.0025**			**0.025**	273	64.0	**0.2**	**0.2**	**0.25**	**0.25**	2.20		**0.05**	**0.05**	**20**	**20**	2.20	3.20	**0.05**	**0.05**	8100	8000	**0.2**	**0.4**
10/21/07	**0.0025**	**0.0025**			**0.15**	313	98.0	**0.2**	**0.2**	**0.25**	**0.25**	3.00	3.60	**0.05**	**0.05**	**20**	**20**	1.30	1.90	**0.05**	**0.05**	7000	7600	**0.25**	**0.05**
Mean	0.0061	0.0025	NA	NA	0.09	1105	78.6	0.17	0.15	1.24	0.22	2.77	2.70	0.053	0.038	13	13	1.58	2.12	0.04	0.04	7000	7500	0.236	0.17
Median	0.0025	0.0025	NA	NA	0.0875	313	73.9	0.2	0.2	0.25	0.25	3.00	2.74	0.05	0.05	20	20	1.30	1.90	0.05	0.05	7000	7600	0.25	0.05
St. Deviation	0.0078	0	NA	NA	0.09	1407	17.5	0.04	0.09	1.71	0.05	0.50	1.20	0.005	0.022	12	12	0.53	0.99	0.018	0.018	1100	500	0.031	0.2
# of values	3	3	0	0	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.0025	NA	NA	0.025	273	64.0	0.123	0.039	0.25	0.155	2.20	1.87	0.05	0.0125	0.045	0.027	1.25	1.25	0.0185	0.0185	5830	6970	0.2	0.05
Maximum	0.015	0.0025	NA	NA	0.15	2730	98.0	0.2	0.2	3.22	0.25	3.11	3.60	0.0594	0.05	20	20	2.20	3.20	0.05	0.05	8100	8000	0.257	0.4
% of values undetected	100%	100%			100%	0%	0%	67%	67%	67%	100%	0%	0%	67%	100%	67%	67%	33%	33%	100%	100%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.04	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.091	0.088	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	100%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP30																									
Sample Date																									
10/05/06	**0.00075**	**0.00075**			**0.050**	**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	0.51		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4770	5790	**0.050**	**0.050**
05/22/07	**0.00075**	**0.00075**			**0.050**	43.9	33.5	**0.0075**	**0.0250** U	**0.155**	**0.155**	0.65		**0.0336**	**0.0298**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2080	2400	0.214	**0.050**
08/07/07	**0.0025**	**0.0025**			**0.025**	5.00	6.00	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	**0.7**	1.10	**0.05**	**0.05**	5400	5800	**0.4**	**0.2**
09/04/07	**0.0025**	**0.0025**			**0.24**	6.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	5800	5900	**0.25**	**0.05**
10/21/07	**0.0025**	**0.0025**			**0.025**	8.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	5100	5900	**0.25**	**0.25**
													#NUM!												
Mean	0.0018	0.0018	NA	NA	0.078	12.8	9.1	0.12	0.13	0.21	0.21	0.38	NA	0.039	0.038	12	12	0.84	0.92	0.035	0.035	4600	5200	0.233	0.12
Median	0.0025	0.0025	NA	NA	0.05	6.00	2.5	0.2	0.2	0.25	0.25	0.25	NA	0.05	0.05	20	20	0.7	1.10	0.05	0.05	5100	5800	0.25	0.05
St. Deviation	0.001	0.001	NA	NA	0.091	17.6	13.8	0.11	0.1	0.05	0.05	0.19	NA	0.017	0.017	11	11	0.38	0.39	0.021	0.021	1500	1500	0.125	0.10
# of values	5	5	0	0	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.00075	0.00075	NA	NA	0.025	1.00	1.00	0.0075	0.0075	0.155	0.155	0.25	NA	0.0125	0.0125	0.0075	0.0075	0.5	0.5	0.0075	0.0075	2080	2400	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.24	43.9	33.5	0.2	0.2	0.25	0.25	0.65	NA	0.05	0.05	20	20	1.25	1.25	0.05	0.05	5800	5900	0.4	0.25
% of values undetected	100%	100%			80%	20%	60%	100%	100%	100%	100%	60%		80%	80%	100%	100%	80%	80%	100%	100%	0%	0%	60%	80%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0		1	1	0	0	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.04	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.041	0.041	NA	NA	10.63085293	9.142533516
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	60%	60%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP27																									
Sample Date																									
10/07/06	0.27	0.22	278	44.5	3320	42.8	0.650	**0.0414**	1880	2100	4.96	3.03			8.05	1.81	3.96	3.00	766	786	2.00	1.42	5990	0.13	**0.0031**
08/05/07	0.50	0.49	59.6	36.9	270	**20**	**0.05**	**0.05**	2500	2500	8.80	8.40	**0.00250**		**2**	**1.5**	3.80	4.00	**1000**	**1000**	2.50	2.40	7000	**0.025**	**0.025**
10/21/07	0.31	**0.26**	57.7	43.8	330	**10**	**0.25**	**0.05**	2200	2300	4.70	3.70	**0.00116**		**1.5**	**1.5**	3.40	3.90	**700**	**800**	2.40	2.10	7900	**0.025**	**0.025**
Mean	0.36	0.32	131.8	41.7	1310	24.0	0.320	0.0470	2200	2300	6.20	5.00	0.00180	NA	3.90	1.60	3.70	3.60	820	860	2.30	2.00	7000	0.06	0.018
Median	0.31	0.26	59.6	43.8	330	20.0	0.250	0.0500	2200	2300	4.96	3.70	0.00180	NA	2.00	1.50	3.80	3.90	766	800	2.40	2.10	7000	0.025	0.025
St. Deviation	0.12	0.15	126.6	4.2	1740	17.0	0.310	0.00500	300	200	2.30	2.90	0.000900	NA	3.60	0.200	0.300	0.600	160	120	0.300	0.500	1000	0.061	0.013
# of values	3	3	3	3	3	3	3	3	3	3	3	3	2	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.27	0.22	57.7	36.9	270	10	0.05	0.0414	1880	2100	4.70	3.03	0.00116	NA	1.5	1.5	3.40	3.00	700	786	2.00	1.42	5990	0.025	0.0031
Maximum	0.5	0.49	278	44.5	3320	42.8	0.650	0.05	2500	2500	8.80	8.40	0.00250	NA	8.05	1.81	3.96	4.00	1000	1000	2.50	2.40	7900	0.13	0.025
% of values undetected	0%	0%	0%	0%	0%	33%	67%	67%	0%	0%	0%	0%	50%		33%	33%	0%	0%	33%	33%	0%	0%	0%	67%	100%
# of values between MDL and PQL	0	1	0	0	0	1	0	1	0	0	0	0	1		1	1	0	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.654	2.548	1000	1000	0.489	0.492	NA	NA	NA	NA	0.012	0.012	NA	NA	15.03	14.98	NA	NA	5	4.6	NA	0.323293438	0.275
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	33%	0%	33%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP30																									
Sample Date																									
10/05/06	**0.0065**	**0.0170**	**0.050**	0.153	**10.1**	**15.7**	**0.0420**	**0.0344**	419		**0.0125**		**0.000475**		0.189	0.235	**0.115**	**0.166**	105	150	**0.155**	**0.155**	4500	**0.0031**	**0.0031**
05/22/07	**0.0164**	0.0202	0.434		20.8	**15.5**	**0.0155**	**0.050**	272		2.72	2.06	**0.00162**		0.0870	0.116	**0.100**		235	283	**0.155**	**0.155**	2750	0.025	**0.0100**
08/07/07	**0.025**	**0.025**	**0.25**	**0.25**	60	**10**	**0.05**	**0.05**	**500**	**600**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.1**	4700	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**600**	**600**	**0.25**	**0.25**	**0.000701**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.1**	**0.1**	5000	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.25**	**0.05**	**400**	**600**	**0.25**	**0.25**	**0.000367**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.25**	4800	**0.025**	**0.025**
Mean	0.020	0.022	0.25	0.23	22	12.0	0.0820	0.0470	440	600	0.700	0.700	0.000666	NA	0.210	0.220	0.220	0.270	160	350	0.140	0.150	4400	0.021	0.018
Median	0.025	0.025	0.25	0.25	10.1	10.0	0.0500	0.0500	419	600	0.250	0.250	0.000475	NA	0.250	0.250	0.300	0.300	150	150	0.155	0.155	4700	0.025	0.025
St. Deviation	0.008	0.004	0.14	0.05	22	3.0	0.0950	0.00700	120	0	1.14	0.910	0.000567	NA	0.0700	0.0600	0.110	0.0700	50.0	370	0.0700	0.0600	900	0.010	0.010
# of values	5	5	5	4	5	5	5	5	5	3	5	4	5	0	5	5	5	4	5	5	5	5	5	5	5
Minimum	0.0065	0.017	0.05	0.153	10	10	0.0155	0.0344	272	600	0.0125	0.25	0.000169	NA	0.0870	0.116	0.100	0.166	105	150	0.05	0.1	2750	0.0031	0.0031
Maximum	0.025	0.025	0.434	0.25	60	15.7	0.25	0.05	600	600	2.72	2.06	0.00162	NA	0.25	0.25	0.3	0.3	235	1000	0.25	0.25	5000	0.025	0.025
% of values undetected	80%	60%	80%	75%	40%	60%	80%	80%	0%	0%	80%	75%	40%		60%	60%	80%	75%	60%	60%	80%	60%	0%	80%	100%
# of values between MDL and PQL	1	1	0	0	1	2	1	1	3	3	0	0	3		0	0	1	1	0	0	1	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.051	1.009	1000	1000	0.123	0.143	NA	NA	NA	NA	0.012	0.012	NA	NA	6.01	5.99	NA	NA	5	4.6	NA	0.050087786	0.043
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP27										
Sample Date										
10/07/06	2180	2560	0.0390	**0.0050**	**0.050**	**0.050**	2.10	**0.250**	5.44	5.61
08/05/07	3000	3100	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**7**	**7**
10/21/07	2700	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**5**
Mean	2600	2800	0.0460	0.0350	0.0500	0.0500	0.770	0.150	5.80	5.90
Median	2700	2700	0.0500	0.0500	0.0500	0.0500	0.100	0.100	5.44	5.61
St. Deviation	400	300	0.00600	0.0260	0	0	1.15	0.0900	1.10	1.00
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2180	2560	0.0390	0.0050	0.050	0.050	0.1	0.1	5	5
Maximum	3000	3100	0.05	0.05	0.05	0.05	2.10	0.250	7	7
% of values undetected	0%	0%	67%	100%	100%	100%	67%	100%	33%	33%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	34.45	33.97
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP30										
Sample Date										
10/05/06	1520		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.155**	
05/22/07	1170	1290	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.41	2.05
08/07/07	**1900**	2000	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
09/04/07	2000	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.7**	**1**	**1**
10/21/07	**1700**	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	1700	1900	0.0320	0.0320	0.0500	0.0500	0.340	0.420	1.10	1.30
Median	1700	2100	0.0500	0.0500	0.0500	0.0500	0.300	0.500	1.00	1.00
St. Deviation	300	400	0.0250	0.0250	0	0	0.150	0.220	0.800	0.500
# of values	5	4	5	5	5	5	5	5	5	4
Minimum	1170	1290	0.0050	0.00500	0.050	0.050	0.155	0.155	0.155	1
Maximum	2000	2100	0.05	0.05	0.05	0.05	0.5	0.7	2.41	2.05
% of values undetected	0%	0%	100%	100%	100%	100%	80%	60%	80%	75%
# of values between MDL and PQL	2	0	0	0	0	0	1	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	13.75	13.56
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP31																					
Sample Date																					
10/05/06	5.97	1.43	8.88	63.3	32	71.4	0.13	12.5	31.0	**5.0**	**0.0775**	**1.57**	14.0	0.130	**0.0155**	0.102	0.0240	**0.05** J	0.706	**0.0730**	1.56
05/22/07	5.89	1.02	11.98	84.4	37	216.2	0.14	12.3	33.0	38.8	**0.153**	**1.57**	12.0	0.112			0.0190		0.670	**0.0155**	1.67
08/08/07	7.08	1.40	11.81	84	32	32.5	0.95	13.0	34.0	30.0	**2.5**	**1**	**13**	0.120			**0.02**		**0.9**	**0.05**	**1.4**
09/07/07	6.22	1.55	10.66	76.1	32	199.3	0.38	13.0	34.0	20.0	**2.5**	**1**	**14**	**0.09**			**0.01**		**0.8**	**0.05**	**1.6**
10/27/07	6.69	1.34	10.68	76	33	204.8	0.18	13.0	34.0	30.0	**2.5**	**1**	**10**	0.100			**0.02**		**0.7**	**0.05**	**0.9**
06/03/08	7.16	0.97	10.78	75.8	32	211.5	0.16	12.6	35.0	**1.55**	**0.1515**	**1.57**	14.1	0.152			0.0192		0.625	**0.037**	1.39
08/01/08	7.23	1.40	12.29	87.6	30	139	0.13	11.3	19.9	28.8	**0.150**	**1.57**	13.3	0.110			0.0291		0.495	**0.0155**	0.90
09/17/08	6.14	1.76	12.3	88.3	31	248.3	0.1	12.0	33.3	18.8	**0.147**	**1.57**	13.3	0.103			0.03		**0.0155**	**0.0155**	**0.044**
11/02/08	5.80	0.85	11.28	79.3	34	237.7	0.09	12.6	36.2	22.5	**0.1595**	**1.57**	14.2	0.104			0.0254		0.562	**0.0155**	1.62
Mean	6.46	1	11.18	79.4	33	173.4	0.3	12.5	32.0	21.7	0.93	1.38	13.0	0.110	0.0155	0.102	0.022	0.05	0.608	0.036	1.23
Median	6.22	1.4	11.28	79.3	32	204.8	0.14	12.6	34.0	22.5	0.15	1.57	13.3	0.110	0.0155	0.102	0.020	0.05	0.670	0.037	1.40
St. Deviation	0.58	0	1.090	7.80	2.0	75.90	0.3	0.6	5	12.1	1.18	0.28	1.0	0.020	NA	NA	0.006	NA	0.253	0.021	0.53
# of values	9	9	9	9	9	9	9	9	9	9	9	9	9	9	1	1	9	1	9	9	9
Minimum	5.8	0.85	8.88	63.3	30	32.5	0.09	11.3	19.9	1.55	0.0775	1	10	0.09	0.0155	0.102	0.01	0.05	0.0155	0.0155	0.04
Maximum	7.23	1.76	12.3	88.3	37	248.3	0.95	13	36.2	38.8	2.5	1.57	14.2	0.152	0.0155	0.102	0.03	0.05	0.9	0.073	1.67
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	100%	100%	11%	0%	100%	0%	0%	100%	11%	78%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	3	2	4
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP33																					
Sample Date																					
10/03/06	5.27	4.52	6.92	53.5	24	253.1	0.53	8.75	25.0	40.0	8.04	**9.50**	**9.00**	0.133	**0.0155**	0.112	0.0260	**0.05** J	0.927	**0.0710**	1.47
05/23/07	5.68	1.88	11.81	85.5	21	189.6	0.5	6.69	21.5	35.0	**0.1665**	**6.00**	**6.00**	0.532			**0.00155**		0.849	**0.0410**	1.32
08/05/07	5.95	3.09	9.72	72.4	25	83.9	0.35	10.0	26.0	30.0	**2.5**	**1**	**8**	0.100			**0.005**		**0.9**	**0.05**	**1.4**
09/05/07	5.40	3.40	8.34	62.6	12	219.8	0.06	11.0	27.0	30.0	**2.5**	**1**	**9**	0.250			**0.005**		**0.9**	**0.05**	**1.7**
10/23/07	5.57	3.65	6.64	50.2	27	264.4	0.29	11.0	29.0	20.0	**2.5**	**1**	**6**	1.060			**0.005**		**0.9**	**0.05**	**1.2**
Mean	5.57	0	8.690	64.8	22	202.2	0	9.0	26.0	31.0	3.1	3.7	7.6	0.415	0.0155	0.112	0.009	0.05	0.895	0.052	1.4
Median	5.57	3.4	8.340	62.6	24	219.8	0.35	10.0	26.0	30.0	2.5	1	8	0.250	0.0155	0.112	0.005	0.05	0.9	0.05	1.4
St. Deviation	0.26	0	2.140	14.4	6.0	72.30	0	2	3	7.0	2.9	3.9	1.5	0.399	NA	NA	0.010	NA	0.028	0.011	0.2
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	5	1	5	5	5
Minimum	5.27	1.88	6.64	50.2	12	83.9	0.06	6.69	21.5	20	0.1665	1	6	0.100	0.0155	0.112	0.00155	0.05	0.849	0.041	1.2
Maximum	5.95	4.52	11.81	85.5	27	264.4	0.53	11	29	40	8.04	9.50	9	1.060	0.0155	0.112	0.026	0.05	0.927	0.071	1.7
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	60%	0%	0%	100%	0%	80%	100%	0%	60%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	0	0	0	3	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP31																									
Sample Date																									
10/05/06	**0.00075**	**0.00075**			**0.050**	6.05	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	**0.0250**		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4210	4880	**0.050**	**0.141**
05/22/07	**0.00075**	**0.00075**			**0.050**	13.6	2.48	**0.0250**	**0.0250** U	**0.155**	**0.155**	0.11		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4040	4590	**0.050**	**0.050**
08/08/07	**0.0025**	**0.0025**			**0.025**	10.0		**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	**0.8**	1.30	**0.05**	**0.05**	4200	4400	**0.3**	0.700
09/07/07	**0.0025**	**0.0025**			**0.025**	68.0	10	**0.2**	**0.2**	**0.25**	**0.25**	1.00	**0.25**	**0.05**	**0.05**	**20**	**20**	1.80	1.40	**0.05**	**0.05**	4200	4400	**0.25**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	8.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.20	**0.25**	**0.05**	**0.05**	**20**	**20**	1.40	1.10	**0.05**	**0.05**	4200	4200	**0.25**	**0.25**
06/03/08	**0.0025**	**0.00075**			0.255	15.7	4.75	**0.0075**	**0.0075**	**0.155**	**0.155**	0.19		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4100	4090	**0.128**	0.270
08/01/08	**0.00075**	**0.00075**			**0.045**	5.43	3.32	**0.0075**	**0.0198** J	**0.155**	**0.155**	0.09		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3710	4530	0.292	0.241
09/17/08	**0.0041**	**0.00075**			0.104	6.11	3.57	**0.0075**	**0.0075**	**0.155**	**0.155**	0.12		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.51**	**0.0075**	**0.0075**	3830	3710	0.325	0.280
11/02/08	**0.00075**	**0.00075**			**0.050**	6.04	7	**0.0075**	**0.0075**	**0.155**	**0.155**	0.14		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4270	4320	**0.144**	**0.123**
Mean	0.0019	0.0013	NA	NA	0.07	15.4	4.33	0.074	0.075	0.187	0.187	0.35	0.25	0.025	0.025	7	7	1.28	1.40	0.023	0.023	4080	4350	0.2	0.256
Median	0.0025	0.00075	NA	NA	0.05	8.00	3.45	0.0075	0.0198	0.155	0.155	0.14	0.25	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4200	4400	0.25	0.250
St. Deviation	0.0012	0.0009	NA	NA	0.07	20.0	2.90	0.095	0.094	0.048	0.048	0.43	0	0.0188	0.0188	10	10	0.26	0.42	0.021	0.021	190	330	0.11	0.184
# of values	9	9	0	0	9	9	8	9	9	9	9	9	2	9	9	9	9	9	9	9	9	9	9	9	9
Minimum	0.00075	0.00075	NA	NA	0.025	5.43	1.00	0.0075	0.0075	0.155	0.155	0.03	0.25	0.0125	0.0125	0.0075	0.0075	0.80	1.10	0.0075	0.0075	3710	3710	0.05	0.05
Maximum	0.0041	0.0025	NA	NA	0.255	68.0	10.0	0.2	0.2	0.25	0.25	1.20	0.25	0.05	0.05	20	20	1.80	2.51	0.05	0.05	4270	4880	0.325	0.7
% of values undetected	89%	100%			67%	0%	25%	100%	89%	100%	100%	22%	100%	100%	100%	100%	100%	67%	56%	100%	100%	0%	0%	44%	33%
# of values between MDL and PQL	1	0			1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	3	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.055	0.055	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP33																									
Sample Date																									
10/03/06	**0.00075**	**0.00075**			0.116	186	15.4	**0.0075**	**0.0075**	**0.155**	**0.155**	4.02	2.93	**0.0356**	**0.0125**	**0.0166**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2870	2420	0.304	**0.050**
05/23/07	**0.00075**	**0.00075**			**0.050**	27.3	20.1	**0.0250**	**0.0250** U	**0.155**	**0.155**	2.60		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2190	2670	**0.100**	
08/05/07	**0.015**	**0.015**			**0.025**	40.0	26.0	**0.2**	**0.2**	**0.25**	**0.25**	3.40	4.00	**0.05**	**0.05**	**20**	**20**	**0.7**	1.50	**0.05**	**0.05**	3000	3300	**0.3**	**0.4**
09/05/07	**0.0025**	**0.0025**			**0.025**	67.0	11.0	**0.2**	**0.2**	**0.25**	**0.25**	3.50	3.50	**0.05**	**0.05**	**20**	**20**	1.10	1.10	**0.05**	**0.05**	3100	3600	**0.25**	**0.25**
10/23/07	**0.015**	**0.0025**			**0.025**	71.0	23.0	**0.2**	**0.2**	**0.25**	**0.25**	3.60		**0.05**	**0.05**	**20**	**20**	1.10	1.30	**0.05**	**0.05**	2900	3600	**0.25**	**0.25**
Mean	0.0068	0.0043	NA	NA	0.048	78.3	19.1	0.127	0.127	0.21	0.21	3.42	3.50	0.04	0.035	12	12	1.08	1.28	0.035	0.035	2800	3100	0.241	0.24
Median	0.0025	0.0025	NA	NA	0.025	67.0	20.1	0.2	0.2	0.25	0.25	3.50	3.50	0.05	0.05	20	20	1.10	1.25	0.05	0.05	2900	3300	0.25	0.25
St. Deviation	0.0075	0.006	NA	NA	0.039	62.9	6.00	0.101	0.101	0.05	0.05	0.52	0.50	0.016	0.021	11	11	0.23	0.14	0.021	0.021	400	500	0.083	0.14
# of values	5	5	0	0	5	5	5	5	5	5	5	5	3	5	5	5	5	5	5	5	5	5	5	5	4
Minimum	0.00075	0.00075	NA	NA	0.025	27.3	11.0	0.0075	0.0075	0.155	0.155	2.60	2.93	0.0125	0.0125	0.0075	0.0075	0.70	1.10	0.0075	0.0075	2190	2420	0.1	0.050
Maximum	0.015	0.015	NA	NA	0.116	186.0	26.0	0.2	0.2	0.25	0.25	4.02	4.00	0.05	0.05	20	20	1.25	1.50	0.05	0.05	3100	3600	0.304	0.4
% of values undetected	100%	100%			80%	0%	0%	100%	100%	100%	100%	0%	0%	80%	100%	80%	100%	40%	40%	100%	100%	0%	0%	60%	75%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.06	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.038	0.039	NA	NA	9.87837772	8.495404839
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	20%	NA	NA	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	60%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP31																									
Sample Date																									
10/05/06	**0.0065**		**0.050**		**12.9**	**15.3**	**0.0468**		479		0.0658	0.0922	**0.000475**		0.398	0.473	**0.0910**	**0.197**	66.2		**0.155**	**0.155**	4330	**0.0031**	**0.0031**
05/22/07	**0.0050**	**0.0164**	**0.050**		**14.1**	**14.3**	**0.0155**		528		0.199		**0.000169**		0.382	0.425	**0.100**	0.304	91.8		**0.155**	**0.155**	3990	**0.0031**	**0.0031**
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**500**	**600**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.1**	**0.1**	4000	**0.025**	**0.025**
09/07/07	**0.05**	**0.025**	**0.25**	**0.25**	80	**10**	**0.05**	**0.05**	**500**	**500**	**2.9**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4600	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	**400**	**500**	**0.25**	**0.25**	**0.000399**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4100	**0.025**	**0.025**
06/03/08	**0.0050**		0.105		**12.2**	**10.1**	**0.0155**	**0.0376**	572	598	0.315		**0.00075**		0.288	0.290	**0.0701**		88	102	**0.155**	**0.155**	4180	**0.0031**	**0.0031**
08/01/08	**0.0050**	**0.0050**	**0.050**	0.142	**15.4**	**11.4**	**0.0155**	**0.0155**	494		0.0718	0.0712	**0.00075**		0.372		**0.100**	0.279	87.5	136	**0.155**	**0.155**	4560	**0.0031**	**0.0031**
09/17/08	**0.0050**	0.0283	0.226		**12.1**	**12.2**	**0.0155**	**0.0394**	579	572	0.0746		**0.00075**		0.420	0.388	**0.100**	**0.100**	58.6	90.7	**0.155**	**0.155**	3950	**0.0031**	**0.0031**
11/02/08	**0.0108**	**0.0141**	0.152	0.224	**12.7**	**14.9**	**0.0155**		481	513	0.167	0.197	**0.00075**		0.445	0.454	**0.194**	0.377	70.7	88.1	**0.155**	**0.155**	4130	**0.0031**	**0.0092**
Mean	0.015	0.02	0.154	0.223	19.9	12.0	0.0305	0.0700	504	550	0.480	0.190	0.000700	NA	0.339	0.350	0.170	0.270	101	124	0.126	0.126	4200	0.01	0.011
Median	0.0065	0.025	0.152	0.25	12.7	11.4	0.0155	0.0400	500	540	0.199	0.220	0.000750	NA	0.372	0.340	0.100	0.300	88.0	136	0.155	0.155	4130	0.0031	0.0031
St. Deviation	0.015	0.008	0.092	0.047	22.6	2.3	0.0178	0.0900	54	50	0.910	0.0800	0.000700	NA	0.0800	0.100	0.100	0.0800	38.0	29.0	0.0460	0.0460	240	0.011	0.011
# of values	9	7	9	5	9	9	9	6	9	6	9	6	9	0	9	8	9	8	9	7	9	9	9	9	9
Minimum	0.005	0.005	0.05	0.142	10	10	0.0155	0.0155	400	500	0.0658	0.0712	0.000169	NA	0.25	0.25	0.0701	0.1	58.6	88.1	0.05	0.05	3950	0.0031	0.0031
Maximum	0.05	0.0283	0.25	0.25	80	15.3	0.05	0.25	579	600	2.9	0.25	0.00250	NA	0.445	0.473	0.3	0.377	150	150	0.155	0.155	4600	0.025	0.025
% of values undetected	78%	57%	67%	60%	22%	33%	89%	67%	0%	0%	22%	50%	89%		33%	38%	67%	50%	33%	43%	89%	89%	0%	100%	89%
# of values between MDL and PQL	2	2	0	0	6	6	1	2	3	3	1	0	1		0	0	3	1	0	0	1	1	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.478	1.419	1000	1000	0.205	0.226	NA	NA	NA	NA	0.012	0.012	NA	NA	8.42	8.39	NA	NA	5	4.6	NA	0.09953566	0.085
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	17%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP33																									
Sample Date																									
10/03/06	0.0512	**0.0130**	0.296	0.242	136	**7.10**	**0.0996**	0.145	383	333	7.54	0.498	**0.00115**		0.0598	**0.0348**	**0.0786**	0.256	158	136	**0.155**	**0.155**	4090	**0.0031**	**0.0031**
05/23/07	**0.0168**	0.0222	0.303	0.301	**17.9**	**11.4**	**0.050**	**0.050**	297		0.636	0.379	**0.000169**		0.0640	0.0864	**0.100**	0.283	96.8	138	**0.155**	**0.155**	3900	**0.0031**	**0.0031**
08/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**30**	**10**	**0.05**	**0.05**	**300**	**400**	**1.4**	**0.7**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.1**	**0.05**	4200	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	180	130.0	**0.05**	**0.05**	**400**	**500**	**1.9**	**0.25**	**0.00114**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.1**	4800	**0.025**	**0.025**
10/23/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**300**	**500**	**0.9**	**0.5**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.8**	**150**	**150**	**0.05**	**0.25**	5100	**0.025**	**0.025**
Mean	0.029	0.022	0.270	0.259	78	34.0	0.0600	0.0690	340	430	2.50	0.470	0.00149	NA	0.170	0.170	0.220	0.390	140	140	0.100	0.140	4400	0.016	0.016
Median	0.025	0.025	0.250	0.250	30	10.0	0.0500	0.0500	300	450	1.40	0.500	0.00115	NA	0.250	0.250	0.300	0.300	150	150	0.100	0.155	4200	0.025	0.025
St. Deviation	0.013	0.005	0.027	0.024	75	54.0	0.0220	0.0420	50	80	2.90	0.170	0.00100	NA	0.100	0.110	0.120	0.230	20.0	10.0	0.0500	0.0700	500	0.012	0.012
# of values	5	5	5	5	5	5	5	5	5	4	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.0168	0.013	0.25	0.242	17.9	7.10	0.050	0.050	297	333	0.636	0.25	0.000169	NA	0.0598	0.0348	0.0786	0.256	96.8	136	0.05	0.05	3900	0.0031	0.0031
Maximum	0.0512	0.025	0.303	0.301	180	130.0	0.0996	0.145	400	500	7.54	0.7	0.00250	NA	0.25	0.25	0.3	0.8	158	150	0.155	0.25	5100	0.025	0.025
% of values undetected	60%	60%	60%	60%	20%	40%	80%	80%	0%	0%	0%	20%	60%		60%	60%	80%	40%	60%	60%	80%	80%	0%	100%	100%
# of values between MDL and PQL	1	1	0	0	2	2	1	0	3	3	3	2	2		0	1	1	1	0	0	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.973	0.935	1000	1000	0.110	0.129	NA	NA	NA	NA	0.012	0.012	NA	NA	5.57	5.55	NA	NA	5	4.6	NA	0.042931368	0.036
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP31										
Sample Date										
10/05/06	1570		**0.0050**	**0.0050**	**0.050**	**0.050**	0.623	**0.250**	**0.155**	
05/22/07	1790	2040	**0.0050**	**0.0050**	**0.050**	**0.050**	0.430	0.501	2.06	1.37
08/08/07	1800	1900	**0.05**	**0.05**	**0.05**	**0.05**	0.3	**0.5**	**1**	**1**
09/07/07	1800	1800	**0.25**	**0.25**	**0.05**	**0.05**	**0.5**	0.7	**1**	**1**
10/27/07	1800	1900	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**5**
06/03/08	1860	1920	**0.0050**	**0.0050**	**0.050**	**0.050**	0.447	0.357	0.506	
08/01/08	1720	1930	**0.0050**	**0.0050**	**0.050**	**0.050**	0.451	0.66	4.71	2.28
09/17/08	1740	1700	**0.0050**	**0.0050**	**0.050**	**0.050**	0.471	0.432	**0.50**	
11/02/08	1950	1960	**0.0050**	**0.0050**	**0.050**	**0.050**	0.708	0.675	1.2	1.45
Mean	1780	1890	0.0400	0.0400	0.0500	0.0500	0.492	0.510	1.30	2.00
Median	1800	1910	0.00500	0.00500	0.0500	0.0500	0.471	0.500	1.00	1.40
St. Deviation	100	100	0.0800	0.0800	0	0	0.117	0.150	1.40	1.50
# of values	9	8	9	9	9	9	9	9	9	6
Minimum	1570	1700	0.0050	0.0050	0.050	0.050	0.3	0.250	0.155	1
Maximum	1950	2040	0.25	0.25	0.05	0.05	0.708	0.7	4.71	5
% of values undetected	0%	0%	100%	100%	100%	100%	22%	33%	56%	50%
# of values between MDL and PQL	3	3	0	0	0	0	7	6	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	19.28	19.01
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP33										
Sample Date										
10/03/06	1730	1550	**0.0050**	**0.0050**	**0.050**		**0.250**	**0.250**	**0.50**	**0.50**
05/23/07	1440	1630	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.79	
08/05/07	1700	1800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/05/07	1700	1800	**0.05**	**0.05**	**0.05**	**0.05**	0.3	**0.1**	**1**	**1**
10/23/07	1600	1900	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1600	1700	0.0320	0.0320	0.0500	0.0500	0.180	0.140	1.10	0.900
Median	1700	1800	0.0500	0.0500	0.0500	0.0500	0.155	0.100	1.00	1.00
St. Deviation	100	100	0.0250	0.0250	0	0	0.0900	0.0700	0.500	0.300
# of values	5	5	5	5	5	4	5	5	5	4
Minimum	1440	1550	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	0.50
Maximum	1730	1900	0.05	0.05	0.05	0.05	0.3	0.250	1.79	1
% of values undetected	0%	0%	100%	100%	100%	100%	80%	100%	80%	100%
# of values between MDL and PQL	3	3	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	12.74	12.57
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP36																					
Sample Date																					
10/03/06	6.12	4.63	5.8	44.9	29	214.8	0.07	10.9	28.0	35.0	0.928	**6.75**	**9.00**	**0.050**	**0.0155**	**0.050**	**0.00155**	**0.05** J	0.850	**0.0750**	3.11
05/23/07	6.08	3.66	10.35	78.5	32	202.5	0.07	10.8	30.0	30.0	**0.150**	**5.00**	**8.00**	0.112			**0.00155**		0.872	**0.0410**	2.81
10/27/07	6.18	4.03	6.3	48.1	32	206.6	0.09	11.0	33.0	40.0	**2.5**	**1**	**10**	0.100			**0.005**		**0.8**	**0.05**	**2.6**
Mean	6.13	4	7.500	57.2	31	208.0	0.08	10.9	30.0	35.0	1.19	4.3	9	0.090	0.0155	0.05	0.003	0.05	0.841	0.055	2.84
Median	6.12	4.03	6.300	48.1	32	206.6	0.070	10.9	30.0	35.0	0.93	5	9	0.100	0.0155	0.05	0.00155	0.05	0.850	0.05	2.81
St. Deviation	0.05	0	2.500	18.5	2.0	6.300	0.01	0.1	3	5.0	1.2	2.9	1	0.030	NA	NA	0.002	NA	0.037	0.018	0.26
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	3	1	3	3	3
Minimum	6.08	3.66	5.8	44.9	29	202.5	0.07	10.8	28	30	0.150	1	8	0.050	0.0155	0.05	0.00155	0.05	0.8	0.041	2.6
Maximum	6.18	4.63	10.35	78.5	32	214.8	0.09	11	33	40	2.5	6.75	10	0.112	0.0155	0.05	0.005	0.05	0.872	0.075	3.11
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	33%	33%	100%	100%	100%	100%	0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	1	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP37																					
Sample Date																					
10/03/06	4.24	6.88	4.78	39.4	22	287.9	1.01	8.03	21.0	35.0	90.2	18.3	**5.00**	0.250	**0.0155**	0.231	0.0730		0.861	**0.0780**	0.54
05/23/07	5.37	2.33	11.59	84.5	26	212.4	0.23	9.18	27.0	35.0	**0.1545**	**6.00**	**6.00**	0.798			**0.00155**		0.868	**0.0350**	0.54
08/05/07	6.60	3.46	9.08	68.3	23	111.4	0.27	8.0	27.0	20.0	**2.5**	**1**	**9**	0.600			**0.01**		**0.9**	**0.05**	**0.5**
09/04/07	5.38	4.19	8.53	65.5	27	228.7	0.14	11.0	28.0	20.0	**2.5**	**1**	**10**	0.600			**0.005**		**0.9**	**0.05**	**0.25**
10/23/07	5.36	5.75	5.28	42.1	25	274.5	0.14	**3.5**	25.0	20.0	**8**	**1**	**7**	0.570			**0.005**		**1.0**	**0.05**	**0.7**
Mean	5.39	5	7.850	60.0	25	223.0	0.4	7.9	26.0	26.0	20.7	5.5	7.4	0.560	0.0160	0.231	0.019	NA	0.906	0.053	0.5
Median	5.37	4.19	8.530	65.5	25	228.7	0.23	8.03	27.0	20.0	2.5	1	7	0.600	0.0155	0.231	0.005	NA	0.9	0.05	0.54
St. Deviation	0.83	2	2.830	19.0	2.0	69.80	0.4	2.8	3	8.0	39	7.5	2.1	0.200	NA	NA	0.030	NA	0.056	0.016	0.16
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	5	0	5	5	5
Minimum	4.24	2.33	4.78	39.4	22	111.4	0.14	3.5	21	20	0.1545	1	5	0.250	0.0155	0.231	0.00155	NA	0.861	0.035	0.25
Maximum	6.6	6.88	11.59	84.5	27	287.9	1.01	11	28	35	90.2	18.3	10	0.798	0.0155	0.231	0.073	NA	1	0.078	0.7
% of values undetected	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	60%	60%	0%	0%	100%	0%	60%	0%	0%	60%	20%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	1	5	0	0	0	1	0	3	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	80%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP36																									
Sample Date																									
10/03/06	**0.00075**	**0.00075**			**0.050**	13.6	6.46	**0.0075**	**0.0075**	**0.155**	**0.155**	1.79	1.68	**0.0125**	**0.0125**	**0.0075**	0.0214	**1.25**	**1.25**	**0.0185**	**0.0185**	3330	3360	**0.050**	**0.050**
05/23/07	**0.00075**	**0.00075**			**0.050**	3.30	3.25	**0.0250**	**0.0250** U	**0.155**	**0.155**	1.64		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.67**	**0.0075**	**0.0075**	3340	3860	**0.100**	
10/27/07	**0.0025**	**0.0025**			**0.025**	12.0	**5**	**0.2**	**0.2**	**0.25**	**0.25**	1.90	1.90	**0.05**	**0.05**	**20**	**20**	2.20	1.50	**0.05**	**0.05**	3700	3500	**0.25**	**0.25**
Mean	0.00133	0.00133	NA	NA	0.042	9.63	4.90	0.078	0.078	0.187	0.187	1.78	1.80	0.025	0.025	6.6717	6.676	1.57	1.81	0.025	0.025	3460	3570	0.13	0.15
Median	0.00075	0.00075	NA	NA	0.05	12.0	5	0.025	0.025	0.155	0.155	1.79	1.80	0.0125	0.0125	0.0075	0.0214	1.25	1.50	0.0185	0.0185	3340	3500	0.1	0.15
St. Deviation	0.00101	0.00101	NA	NA	0.014	5.54	1.61	0.106	0.106	0.055	0.055	0.13	0.20	0.0217	0.0217	11.5427	11.539	0.55	0.76	0.022	0.022	210	260	0.1	0.14
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2
Minimum	0.00075	0.00075	NA	NA	0.025	3.30	3.25	0.0075	0.0075	0.155	0.155	1.64	1.68	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3330	3360	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.05	13.6	6.46	0.2	0.2	0.25	0.25	1.90	1.90	0.05	0.05	20	20	2.20	2.67	0.05	0.05	3700	3860	0.25	0.25
% of values undetected	100%	100%			100%	0%	33%	100%	100%	100%	100%	0%	0%	100%	100%	100%	67%	67%	33%	100%	100%	0%	0%	100%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.92	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.052	0.052	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP37																									
Sample Date																									
10/03/06	**0.00075**	**0.00075**			**0.050**	2260	23.8	**0.0168**	**0.0075**	1.05	**0.155**	22.3	5.43	0.0970	**0.0125**	**0.0224**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2230	1920	1.130	**0.050**
05/23/07	**0.00075**	**0.00075**			**0.050**	25.8	18.7	**0.0250**	**0.0250** U	**0.155**	**0.155**	6.24	6.09	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2960	2950	**0.100**	
08/05/07	**0.015**	0.015			**0.025**	67.0	27.0	**0.2**	**0.2**	**0.25**	**0.25**	6.30	5.70	**0.05**	**0.05**	**20**	**20**	**0.9**		0.05	0.05	2800	2700	**0.05**	**0.4**
09/04/07	**0.0025**	**0.0025**			**0.025**	32.0	16.0	**0.2**	**0.2**	**0.25**	**0.25**	6.40	6.50	**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	0.05	0.05	3100	3400	**0.05**	**0.05**
10/23/07	**0.0025**	**0.0025**			**0.025**	60.0	18.0	**0.2**	**0.2**	**0.25**	**0.25**	10.2	8.00	**0.05**	**0.05**	**20**	**20**	1.10	**0.5**	0.05	0.05	2500	2500	1.200	0.600
Mean	0.0043	0.0043	NA	NA	0.035	489	20.7	0.13	0.13	0.39	0.21	10.3	6.34	0.052	0.035	12	12	1.00	0.9	0.035	0.035	2700	2700	0.506	0.275
Median	0.0025	0.0025	NA	NA	0.025	60.0	18.7	0.2	0.2	0.25	0.25	6.40	6.09	0.05	0.05	20	20	1.10	0.9	0.05	0.05	2800	2700	0.100	0.225
St. Deviation	0.006	0.006	NA	NA	0.014	990	4.5	0.1	0.1	0.37	0.05	6.92	1.01	0.03	0.021	11	11	0.31	0.4	0.021	0.021	400	500	0.602	0.272
# of values	5	5	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	4
Minimum	0.00075	0.00075	NA	NA	0.025	25.8	16.0	0.0168	0.0075	0.155	0.155	6.24	5.43	0.0125	0.0125	0.0075	0.0075	0.50	0.5	0.0075	0.0075	2230	1920	0.05	0.05
Maximum	0.015	0.015	NA	NA	0.05	2260	27.0	0.2	0.2	1.05	0.25	22.3	8.00	0.097	0.05	20	20	1.25	1.25	0.05	0.05	3100	3400	1.200	0.600
% of values undetected	100%	100%			100%	0%	0%	80%	100%	80%	100%	0%	0%	80%	100%	80%	100%	60%	100%	100%	100%	0%	0%	60%	50%
# of values between MDL and PQL	0	0			0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.08	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.027	0.028	NA	NA	6.674098367	5.739724595
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	20%	NA	NA	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	60%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP36																									
Sample Date																									
10/03/06	**0.0158**	**0.0182**	0.166	0.161	**15.5**	**12.9**	**0.0155**	**0.0155**	617	597	0.433	0.309	**0.000475**		0.0914		**0.0690**	**0.134**	185	187	**0.155**	**0.155**	4000	**0.0031**	**0.0031**
05/23/07	**0.0128**	0.0222	0.111		**12.8**	**13.2**	**0.0155**	**0.0155**	589		0.236		**0.000169**		0.0986	0.119	**0.100**	**0.100**	183	231	**0.155**	**0.155**	3810	**0.0031**	**0.0031**
10/27/07	**0.025**	**0.025**	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.25**	**500**	**500**	**0.25**	**0.25**	**0.000383**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**150**	**0.25**	**0.25**	3900	**0.025**	**0.05**
Mean	0.0179	0.0218	0.176	0.331	12.8	12.0	0.0270	0.0937	569	550	0.306	0.280	0.000342	NA	0.147	0.180	0.160	0.180	223	189	0.187	0.187	3900	0.0104	0.019
Median	0.0158	0.0222	0.166	0.331	12.8	12.9	0.0155	0.0155	589	550	0.250	0.280	0.000383	NA	0.0986	0.180	0.100	0.134	185	187	0.155	0.155	3900	0.0031	0.0031
St. Deviation	0.0064	0.0034	0.070	0.240	2.8	1.8	0.0199	0.135	61	70	0.110	0.0400	0.000157	NA	0.0896	0.0900	0.130	0.110	67.0	41.0	0.0550	0.0550	100	0.013	0.027
# of values	3	3	3	2	3	3	3	3	3	2	3	2	3	0	3	2	3	3	3	3	3	3	3	3	3
Minimum	0.0128	0.0182	0.111	0.161	10	10	0.0155	0.0155	500	500	0.236	0.25	0.000169	NA	0.0914	0.119	0.0690	0.100	183	150	0.155	0.155	3810	0.0031	0.0031
Maximum	0.025	0.025	0.25	0.5	15.5	13.2	0.05	0.25	617	597	0.433	0.309	0.000475	NA	0.25	0.25	0.3	0.3	300	231	0.25	0.25	4000	0.025	0.05
% of values undetected	33%	33%	33%	0%	33%	33%	100%	100%	0%	0%	33%	50%	67%		33%	50%	67%	67%	0%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	2	1	0	1	2	2	0	0	1	1	0	0	1		0	0	1	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.394	1.338	1000	1000	0.187	0.209	NA	NA	NA	NA	0.012	0.012	NA	NA	7.94	7.92	NA	NA	5	4.6	NA	0.088426039	0.075
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP37																									
Sample Date																									
10/03/06	0.939	**0.0198**	4.55	0.305	1610	**3.10**	1.93	0.166	599	292	92.1	1.62	**0.000951**		0.180	**0.0292**	0.771	0.301	317	145	**0.155**	**0.155**	4360	0.0862	**0.0031**
05/23/07	**0.0182**	**0.0176**	0.141	0.222	**12.6**	**11.6**	**0.0155**		432	451	0.860	0.808	**0.000169**		0.0936	0.0684	**0.100**	**0.100**	114	124	**0.155**	**0.155**	4760	**0.0031**	**0.0031**
08/05/07	**0.025**	**0.025**	**0.25**	**0.6**	**30**	**10**	**0.05**	**0.05**	**300**	**400**	**1.6**	**0.9**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.1**	**0.05**	5400	**0.025**	**0.025**
09/04/07	**0.025**	**0.05**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**400**	**500**	**0.7**	**1**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	6200	**0.025**	**0.025**
10/23/07	**0.025**	**0.025**	**0.25**	**0.25**	50	**10**	3.5	**0.05**	**300**	**300**	**1.6**	**1.1**	**0.000353**		**0.25**	**0.25**	**0.3**	**0.7**	**150**	**150**	**0.05**	**0.05**	5400	**0.025**	**0.025**
Mean	0.206	0.027	1.09	0.33	346	9.0	1.11	0.0790	410	390	19.4	1.10	0.00130	NA	0.200	0.170	0.350	0.340	180	140	0.100	0.0920	5200	0.033	0.016
Median	0.025	0.025	0.25	0.25	30	10.0	0.0500	0.0500	400	400	1.60	1.00	0.000951	NA	0.250	0.250	0.300	0.300	150	150	0.100	0.0500	5400	0.025	0.025
St. Deviation	0.41	0.013	1.94	0.16	707	3.0	1.57	0.0580	120	90	40.7	0.300	0.00114	NA	0.0700	0.110	0.250	0.220	80.0	10.0	0.0500	0.0580	700	0.031	0.012
# of values	5	5	5	5	5	5	5	4	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.0182	0.0176	0.141	0.222	12.6	3.10	0.0155	0.05	300	292	0.7	0.808	0.000169	NA	0.0936	0.0292	0.100	0.100	114	124	0.05	0.05	4360	0.0031	0.0031
Maximum	0.939	0.05	4.55	0.6	1610	11.6	3.5	0.166	599	500	92.1	1.62	0.00250	NA	0.25	0.25	0.771	0.7	317	150	0.155	0.155	6200	0.0862	0.025
% of values undetected	60%	40%	60%	40%	20%	80%	60%	75%	0%	0%	0%	0%	60%		60%	60%	80%	60%	60%	60%	80%	100%	0%	80%	100%
# of values between MDL and PQL	1	3	0	1	2	1	0	0	3	3	3	3	2		0	1	0	1	0	0	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.647	0.621	1000	1000	0.060	0.074	NA	NA	NA	NA	0.012	0.012	NA	NA	3.71	3.70	NA	NA	5	4.6	NA	0.018842502	0.016
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	20%	0%	20%	0%	40%	25%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP36										
Sample Date										
10/03/06	1570	1590	**0.0050**	0.0286	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	**0.50**
05/23/07	1450	1720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
10/27/07	**1700**	**1700**	0.600	0.600	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	1570	1670	0.203	0.211	0.0500	0.0500	0.300	0.170	0.670	0.800
Median	1570	1700	0.00500	0.0286	0.0500	0.0500	0.250	0.155	0.500	0.800
St. Deviation	130	70	0.344	0.337	0	0	0.180	0.0800	0.290	0.400
# of values	3	3	3	3	3	3	3	3	3	2
Minimum	1450	1590	0.0050	0.0050	0.050	0.050	0.155	0.1	0.50	0.50
Maximum	1700	1720	0.600	0.600	0.05	0.05	0.5	0.250	1	1
% of values undetected	0%	0%	67%	33%	100%	100%	100%	100%	100%	100%
# of values between MDL and PQL	1	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	18.19	17.94
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP37										
Sample Date										
10/03/06	1670	1540	**0.0050**	**0.0050**	**0.050**	**0.050**	3.54	**0.250**	6.04	**0.50**
05/23/07	1660	1700	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.23	
08/05/07	**1800**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/04/07	**1900**	2000	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.3**	**1**	**5**
10/23/07	**1600**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	1700	1700	0.0320	0.0320	0.0500	0.0500	0.800	0.180	2.10	2.90
Median	1670	1700	0.0500	0.0500	0.0500	0.0500	0.100	0.155	1.00	3.00
St. Deviation	100	200	0.0250	0.0250	0	0	1.53	0.0900	2.20	2.50
# of values	5	5	5	5	5	5	5	5	5	4
Minimum	1600	1540	0.0050	0.0050	0.050	0.050	0.1	0.1	1	0.50
Maximum	1900	2000	0.05	0.05	0.05	0.05	3.54	0.3	6.04	5
% of values undetected	0%	0%	100%	100%	100%	100%	80%	80%	60%	100%
# of values between MDL and PQL	3	2	0	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	8.49	8.38
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP39																					
Sample Date																					
10/04/06	5.45	2.13	5.91	49	19	147.7	0.18	5.32	20.0	13.8	**0.213**	17.3	**4.00**	**0.0390**	**0.0155**	**0.0310**	0.0106	**0.0155**	1.31	**0.0570**	0.94
05/23/07	5.66	2.59	9.92	73	27	185	0.16	8.68	28.0	26.3	1.75	**4.00**	**7.50**	0.628			0.0110		0.963	**0.0310**	1.11
08/05/07	5.69	2.69	8.73	64.3	26	75.4	0.58	10.0	26.0	20.0	**2.5**	**1**	**9**	0.300			**0.005**		**0.9**	**0.05**	**0.9**
09/05/07	6.28	3.09	8.71	65	26	177.9	0.09	11.0	28.0	20.0	**2.5**	**1**	**10**	0.320			**0.01**		**0.9**	**0.05**	**1.1**
10/27/07	5.23	3.26	7.5	56.1	18	181.3	0.07	**3.5**	20.0	30.0	**2.5**	**1**	**4**	0.130			**0.005**		**1.3**	**0.05**	**0.6**
Mean	5.66	3	8.150	61.0	23	153.5	0.2	7.7	24	22.0	1.9	4.9	6.9	0.280	0.0155	0.0310	0.008	0.0155	1.075	0.048	0.93
Median	5.66	2.69	8.710	64.3	26	177.9	0.16	8.68	26	20.0	2.5	1	7.5	0.300	0.0155	0.0310	0.010	0.0155	0.963	0.05	0.94
St. Deviation	0.39	0	1.520	9.00	4.0	46.10	0.2	3.2	4	6.0	1.0	7.1	2.8	0.230	NA	NA	0.003	NA	0.212	0.010	0.21
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	5	1	5	5	5
Minimum	5.23	2.13	5.91	49	18	75.4	0.07	3.5	20	13.8	0.213	1	4	0.039	0.0155	0.0310	0.005	0.0155	0.9	0.031	0.6
Maximum	6.28	3.26	9.92	73	27	185	0.58	11	28	30	2.5	17.3	10	0.628	0.0155	0.0310	0.011	0.0155	1.31	0.057	1.11
% of values undetected	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	60%	60%	0%	0%	100%	0%	40%	100%	0%	60%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	1	5	1	0	1	1	0	3	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP40																					
Sample Date																					
10/04/06	5.93	2.88	8.9	66	81	125.7	0.16	29.2	80.0	52.5	**0.075**	18.3	23.0	0.374	**0.0155**	0.362	0.0100	**0.05** J	0.769	**0.0820**	15.2
03/27/07	6.32	3.13	9.67	72.6	96	207.6	0.06	35.4	90.0	72.5	**0.1595**	12.5	25.0	0.421	**0.050**	0.385	**0.0090**	**0.0155**	0.816	**0.0500**	17.8
05/22/07	6.49	3.00	10.67	79.6	93	213	0.07	37.2	100	80.0	**0.150**	**8.00**	28.0	0.396			0.0100		0.796	**0.0590**	16.8
08/08/07	6.45	2.80	9.51	70.4	93	37.4	0.13	40.0	103	60.0	**2.5**	**1**	25.0	0.390			**0.02**		**1.1**	**0.05**	18.3
09/07/07	5.96	2.62	8.92	65.5	99	238.5	0.19	41.0	102	70.0	**2.5**	**1**	27.0	0.450			**0.005**		**1.0**	**0.05**	19.6
10/24/07	5.90	2.69	7.51	55.2	89	206	0.07	36.0	96.0	70.0	**2.5**	**1**	24.0	0.520			**0.01**		**0.8**	**0.05**	15.6
06/03/08	6.93	2.67	9.72	71.6	91	205.7	0.07	35.4	100	53.8	**0.152**	**1.57**	28.8	0.434			0.0119		0.669	**0.038**	16.4
08/01/08	6.79	2.27	10.45	76.2	82	179.9	0.09	31.2	51.8	80.0	**0.1745**	**5.68**	23.2	0.691			0.0229		0.634	**0.047**	14.4
09/17/08	5.86	2.41	9.86	72.1	90	246.6	0.07	30.7	88.3	50.0	**0.1545**	**6.42**	23.6	0.739			0.0147		0.65	**0.055**	15.1
11/02/08	6.29	2.66	9.28	68.3	84	255.2	0.11	27.8	88.8	61.3	**0.153**	29.5	22.8	0.681			0.0212		0.628	**0.043**	14.9
Mean	6.29	3	9.450	69.8	90	191.6	0.10	34.4	90.0	65.0	0.85	8.50	25.0	0.510	0.033	0.374	0.013	0.033	0.786	0.052	16.4
Median	6.31	3	9.590	71.0	91	206.8	0.080	35.4	93.0	66.0	0.16	6.05	25.0	0.442	0.033	0.374	0.011	0.033	0.783	0.05	16.0
St. Deviation	0.38	0	0.8900	6.70	6.0	65.50	0.04	4.5	15	11.0	1.14	9.32	2.0	0.141	0.024	0.016	0.006	0.024	0.159	0.012	1.7
# of values	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	10	2	10	10	10
Minimum	5.86	2.27	7.51	55.2	81	37.4	0.06	27.8	51.8	50	0.075	1	22.8	0.374	0.0155	0.362	0.005	0.0155	0.628	0.038	14.4
Maximum	6.93	3.13	10.67	79.6	99	255.2	0.19	41	103	80	2.5	29.5	28.8	0.739	0.050	0.385	0.0229	0.0500	1.1	0.082	19.6
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	40%	0%	0%	100%	0%	10%	100%	0%	30%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	3	7	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP39																									
Sample Date																									
10/04/06	**0.00075**	0.0030			**0.050**	65.3	46.0	**0.0250**	**0.0075**	0.463	0.354	4.29	4.85	**0.0125**	**0.0125**	0.0160	0.0178	**1.25**	**1.25**	**0.0185**	**0.0185**	1620		**0.050**	
05/23/07	**0.00075**	**0.00075**			**0.050**	54.2	15.6	**0.0250**	**0.0075**	**0.155**	**0.155**	3.33	3.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2690	2510	0.305	0.477
08/05/07	**0.015**	0.015			**0.025**	29.0	30.0	**0.2**	**0.2**	**0.25**	**0.25**	4.30	4.80	**0.05**	**0.05**	**20**	**20**	0.9		0.05	0.05	2500	3000	0.2	0.600
09/05/07	**0.0025**	**0.0025**			**0.025**	35.0	16.0	**0.2**	**0.2**	**0.25**	**0.25**	4.30	4.20	**0.05**	**0.05**	**20**	**20**	1.70	1.20	0.05	0.05	2800	3200	**0.25**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.25**	72.0	55.0	**0.2**	**0.2**	**0.25**	**0.25**	5.10	3.50	**0.05**	**0.05**	**20**	**20**	1.60	1.40	0.05	0.05	1500	1700	0.900	**0.25**
Mean	0.0043	0.0048	NA	NA	0.08	51.1	32.5	0.13	0.12	0.27	0.25	4.26	4.09	0.035	0.035	12	12	1.34	1.30	0.035	0.035	2200	2600	0.341	0.394
Median	0.0025	0.0025	NA	NA	0.05	54.2	30.0	0.2	0.2	0.25	0.25	4.30	4.20	0.05	0.05	20	20	1.25	1.30	0.05	0.05	2500	2800	0.25	0.364
St. Deviation	0.006	0.0058	NA	NA	0.096	18.7	17.7	0.1	0.11	0.11	0.07	0.63	0.78	0.021	0.021	11	11	0.32	0.10	0.021	0.021	600	700	0.327	0.174
# of values	5	5	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	4	5	4
Minimum	0.00075	0.00075	NA	NA	0.025	29.0	15.6	0.025	0.0075	0.155	0.155	3.33	3.10	0.0125	0.0125	0.0075	0.0075	0.90	1.20	0.0075	0.0075	1500	1700	0.05	0.25
Maximum	0.015	0.015	NA	NA	0.25	72.0	55.0	0.2	0.2	0.463	0.354	5.10	4.85	0.05	0.05	20	20	1.70	1.40	0.05	0.05	2800	3200	0.900	0.600
% of values undetected	100%	80%			100%	0%	0%	100%	100%	80%	80%	0%	0%	100%	100%	80%	80%	40%	50%	100%	100%	0%	0%	40%	50%
# of values between MDL and PQL	0	1			0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.06	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.024	0.025	NA	NA	6.000511337	5.16043975
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	20%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	60%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP40																									
Sample Date																									
10/04/06	**0.00075**	0.0020			**0.0155**	2.79	**1.00**	**0.0250**	**0.0075**	**0.155**	**0.155**	4.75	5.70	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8230	9330	0.108	**0.050**
03/27/07	**0.00075**	**0.00075**			**0.0155**	4.99	2.89	0.0170	0.0232 J	**0.155**	0.360	5.77	2.68	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9980	5610	0.300	0.485
05/22/07	**0.00075**	**0.00075**			**0.050**	2.04	**1.00**	**0.0250**	**0.0250** U	**0.155**	**0.155**	5.96	6.48	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	0.0154	10600	10600	**0.100**	**0.050**
08/08/07	**0.0025**	**0.0025**			**0.025**	8.00	8.00	**0.2**	**0.2**	**0.25**	**0.25**	5.90	7.20	**0.05**	**0.05**	**20**	**20**	1.30	1.90	**0.05**	**0.05**	11300	11600	0.3	0.700
09/07/07	**0.0025**	**0.0025**			**0.025**	11.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	6.20	6.00	**0.05**	**0.05**	**20**	**20**	2.50	1.80	**0.05**	**0.05**	11200	11700	**0.25**	**0.25**
10/24/07	**0.015**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	6.10	6.70	**0.05**	**0.05**	**20**	**20**	3.60	1.30	**0.05**	**0.05**	9400	10400	**0.25**	0.600
06/03/08	**0.0025**	**0.00075**			0.261	2.25	2.11	**0.0075**	**0.0075**	**0.155**	**0.155**	5.48	5.71	**0.0125**	**0.0125**	**0.0075**	0.0262	**1.25**	**1.25**	**0.0075**	**0.0075**	9890	10400	0.163	
08/01/08	**0.00075**	**0.00075**			0.0384	**1.00**	**1.00**	**0.0075**	0.0188 J	**0.155**	**0.155**	4.91	5.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8910	9220	0.242	0.298
09/17/08	**0.00075**	**0.00075**			**0.050**	**1.00**	**1.00**	**0.0075**	0.0176 J	**0.155**	**0.155**	4.83	5.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8680	9080	0.281	0.378
11/02/08	**0.00075**	**0.00075**			**0.050**	1.93		**0.0075**	R	**0.155**	**0.155**	4.42	5.05	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	0.0211	7860	8740	0.119	0.201
Mean	0.0027	0.0014	NA	NA	0.056	3.75	2.44	0.07	0.078	0.184	0.204	5.43	5.70	0.0238	0.0238	6.0053	6.0071	1.62	1.38	0.0214	0.024	9610	9670	0.211	0.335
Median	0.00075	0.00075	NA	NA	0.032	2.38	2.11	0.021	0.0232	0.155	0.155	5.63	5.78	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.017	9650	9870	0.246	0.298
St. Deviation	0.0044	0.00085	NA	NA	0.073	3.30	2.22	0.09	0.092	0.046	0.071	0.65	1.23	0.0181	0.0181	9.6573	9.656	0.80	0.25	0.0201	0.019	1200	1760	0.081	0.228
# of values	10	10	0	0	10	10	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9
Minimum	0.00075	0.00075	NA	NA	0.0155	1.00	1.00	0.0075	0.0075	0.155	0.155	4.42	2.68	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	7860	5610	0.100	0.05
Maximum	0.015	0.0025	NA	NA	0.261	11.0	8.00	0.2	0.2	0.25	0.36	6.20	7.20	0.05	0.05	20	20	3.60	1.90	0.05	0.05	11300	11700	0.3	0.700
% of values undetected	100%	90%			80%	30%	67%	90%	67%	100%	90%	0%	0%	100%	100%	100%	90%	70%	70%	100%	80%	0%	0%	30%	33%
# of values between MDL and PQL	0	1			1	1	0	1	3	0	1	0	0	0	0	0	1	0	0	0	2	0	0	4	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.98	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.107	0.102	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP39																									
Sample Date																									
10/04/06	0.0390	0.0342	0.706	0.807	**10.0**	**6.99**	**0.0510**		307		1.29	0.824	**0.00268**		0.133	0.137	**0.0764**	**0.197**	270	298	**0.155**	**0.155**	4510	**0.0031**	**0.0031**
05/23/07	0.0414	0.0206	0.934	0.427	34.3	**11.3**	**0.050**	**0.0155**	476	488	2.26	0.717	**0.000169**		0.293	0.297	**0.100**	**0.100**	446	341	**0.155**	**0.155**	5300	**0.0108**	**0.0031**
08/05/07	**0.025**	**0.025**	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.05**	**300**	**500**	**0.6**	**0.6**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.1**	**0.05**	4800	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**25**	**0.05**	**0.05**	**500**	**600**	**0.7**	**0.25**	**0.000378**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	5100	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**1.1**	**0.6**	**10**	**10**	**0.05**	**0.05**	**100**	**300**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**150**	**0.05**	**0.05**	4000	**0.025**	**0.025**
Mean	0.031	0.026	0.65	0.52	15	13.0	0.0500	0.0410	340	470	1.02	0.530	0.00165	NA	0.240	0.240	0.220	0.240	470	220	0.100	0.0920	4700	0.018	0.016
Median	0.025	0.025	0.706	0.5	10	10.0	0.0500	0.0500	307	490	0.700	0.600	0.00250	NA	0.250	0.250	0.300	0.300	446	150	0.100	0.0500	4800	0.025	0.025
St. Deviation	0.008	0.005	0.39	0.21	11	7.0	0	0.0170	160	130	0.790	0.270	0.00126	NA	0.0600	0.0600	0.120	0.0900	330	90.0	0.0500	0.0580	500	0.010	0.012
# of values	5	5	5	5	5	5	5	4	5	4	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.025	0.0206	0.25	0.25	10	6.99	0.050	0.0155	100	300	0.25	0.25	0.000169	NA	0.133	0.137	0.0764	0.100	150	150	0.05	0.05	4000	0.0031	0.0031
Maximum	0.0414	0.0342	1.1	0.807	34.3	25	0.0510	0.05	500	600	2.26	0.824	0.00268	NA	0.293	0.297	0.3	0.3	1000	341	0.155	0.155	5300	0.025	0.025
% of values undetected	60%	60%	40%	20%	60%	60%	80%	100%	20%	0%	20%	40%	60%		60%	60%	80%	80%	40%	60%	80%	100%	0%	80%	100%
# of values between MDL and PQL	0	0	1	2	1	2	1	0	2	3	2	1	2		0	0	1	1	1	0	1	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.579	0.556	1000	1000	0.051	0.064	NA	NA	NA	NA	0.012	0.012	NA	NA	3.33	3.32	NA	NA	5	4.6	NA	0.015069673	0.013
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	60%	40%	0%	0%	20%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP40																									
Sample Date																									
10/04/06	0.0206	0.0256	0.302	0.399	**18.1**	27.7	**0.0474**		2110	2340	0.0754	0.105	**0.000475**		0.395	0.457	0.497	0.606	458	532	**0.155**	**0.155**	8330	**0.0031**	**0.0031**
03/27/07	**0.0100**		0.396		**3.10**	**12.1**	**0.0155**	**0.050**	2550	1450	0.0676		**0.000169**		0.395	0.129	0.710		528	552	**0.326**	**0.155**	5860	**0.0031**	**0.0031**
05/22/07	0.0224	0.0254	0.331	0.342	32.7	31.8	**0.0155**	**0.0155**	2630	2740	0.149		**0.000169**		0.441	0.433	0.790	0.915	556	588	**0.155**	**0.155**	8250	**0.0100**	**0.0100**
08/08/07	**0.025**	**0.025**	**0.6**	**0.25**	**10**	**10**	**0.05**	**0.05**	2600	2600	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.6**	**1000**	**1000**	**0.4**	**0.3**	7900	**0.025**	**0.025**
09/07/07	**0.09**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	2700	2800	**0.25**	**0.5**	**0.00250**		**0.25**	**0.25**	**1.5**	**0.3**	**600**	**500**	**0.3**	**0.3**	8000	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**25**	**0.05**	**0.05**	2200	2500	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.7**	**1000**	**600**	**0.25**	**0.25**	9300	**0.025**	**0.025**
06/03/08	**0.0050**	**0.0195**	0.287		20.9	22.3	**0.0155**	**0.0666**	2590	2720	0.113		**0.00075**		0.297	0.314	0.509		514	547	**0.155**	**0.155**	8860	**0.0031**	**0.0031**
08/01/08	**0.0143**	**0.0187**	0.699	0.379	22.7	24.6	**0.0155**	**0.0155**	2170	2270	0.0671	0.0945	**0.00075**		0.400	0.426	0.544	0.653	464	505	**0.155**	**0.155**	8170	**0.0031**	**0.0031**
09/17/08	**0.0145**	0.0205	0.288		**19.9**	22.4	**0.0155**	**0.0155**	2190	**0.0250**	0.0887		**0.00386**		0.400	0.411	0.503	0.574	461	504	**0.462**	**0.155**	8300	**0.0031**	**0.0031**
11/02/08	**0.0177**	0.0245	0.3		22.5	24.1	**0.0155**	**0.0465**	1990	2260	0.0796		**0.00075**		0.295	0.342	0.646		437	506	**0.155**	**0.155**	8390	**0.0031**	**0.0031**
Mean	0.024	0.0232	0.370	0.312	17	21.0	0.0290	0.0400	2370	2400	0.133	0.210	0.00121	NA	0.340	0.326	0.630	0.621	602	583	0.251	0.194	8140	0.010	0.010
Median	0.019	0.025	0.301	0.296	19	23.3	0.0155	0.0500	2380	2420	0.0960	0.180	0.000750	NA	0.350	0.328	0.530	0.606	521	540	0.203	0.155	8280	0.0031	0.0031
St. Deviation	0.024	0.0028	0.155	0.070	8.7	7.6	0.0175	0.0192	260	390	0.0870	0.160	0.00128	NA	0.0800	0.107	0.340	0.182	216	151	0.116	0.0630	900	0.010	0.010
# of values	10	9	10	6	10	10	10	9	10	10	10	6	10	0	10	10	10	7	10	10	10	10	10	10	10
Minimum	0.005	0.0187	0.25	0.25	3.1	10	0.0155	0.0155	1990	1450	0.0250	0.0887	0.000169	NA	0.25	0.129	0.3	0.3	437	500	0.155	0.155	5860	0.0031	0.0031
Maximum	0.09	0.0256	0.699	0.399	32.7	31.8	0.05	0.0666	2700	2800	0.25	0.5	0.00386	NA	0.441	0.457	1.5	0.915	1000	1000	0.462	0.3	9300	0.025	0.025
% of values undetected	40%	33%	20%	50%	40%	30%	90%	78%	0%	0%	40%	33%	90%		30%	30%	30%	14%	20%	10%	60%	80%	0%	100%	100%
# of values between MDL and PQL	4	2	1	0	2	1	1	2	0	0	0	1	1		0	0	0	2	1	2	4	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.185	3.057	1000	1000	0.642	0.625	NA	NA	NA	NA	0.012	0.012	NA	NA	NA	18.00	17.95	NA	NA	5	4.6	NA	0.466547833	0.397
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP39										
Sample Date										
10/04/06	1610	1850	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
05/23/07	1920	1910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.13	1.74
08/05/07	**1800**	**1900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.2**	**0.1**	**1**	**1**
09/05/07	**1900**	2000	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**1**
10/27/07	**1500**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	1700	1800	0.0320	0.0320	0.0500	0.0500	0.160	0.140	2.10	2.20
Median	1800	1900	0.0500	0.0500	0.0500	0.0500	0.155	0.100	1.00	1.40
St. Deviation	200	200	0.0250	0.0250	0	0	0.0700	0.0700	1.90	1.90
# of values	5	5	5	5	5	5	5	5	5	4
Minimum	1500	1500	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	1
Maximum	1920	2000	0.05	0.05	0.05	0.05	0.250	0.250	5	5
% of values undetected	0%	0%	100%	100%	100%	100%	80%	100%	80%	75%
# of values between MDL and PQL	3	2	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	7.61	7.50
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP40										
Sample Date										
10/04/06	3790	4080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
03/27/07	4260	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
05/22/07	4190	4260	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.33	1.56
08/08/07	4200	4300	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**3**
09/07/07	4500	4400	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**5**
10/24/07	3800	4200	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
06/03/08	4100	4410	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.08	1.61
08/01/08	3770	3870	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.89	1.60
09/17/08	3810	3980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/02/08	3650	4050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.34	
Mean	4010	4030	0.0385	0.0385	0.0500	0.0500	0.148	0.148	1.40	3.00
Median	3960	4140	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.00	2.00
St. Deviation	280	490	0.0766	0.0766	0	0	0.0440	0.0440	1.30	2.00
# of values	10	10	10	10	10	10	10	10	10	6
Minimum	3650	2720	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	1.56
Maximum	4500	4410	0.25	0.25	0.05	0.05	0.250	0.250	5	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	60%	33%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	41.28	40.70
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP41																					
Sample Date																					
10/06/06	4.90	3.38	9.35	70.2	88	329.7	0.95	26.3	75.0	61.3	0.303	10.0	1.55	0.050	0.0155	0.0545	0.00155	0.0155	0.879	0.172	32.6
05/26/07	4.87	3.92	9.33	71.2	102	277.2	0.08	32.4	100	67.5	1.30	5.00	1.55	0.0935			0.0203		0.845	0.173	38.1
08/02/07	4.85	4.49	9.5	73.6	107	229.1	0.76	34.0	105	60.0	2.5	12	1	0.07			0.11		1.0	0.2	38.6
09/07/07	4.95	4.03	9.52	72.7	102	286.6	0.06	35.0	105	70.0	2.5	5	1	0.04			0.005		1.0	0.2	41.3
10/27/07	5.42	3.81	10.39	75.7	87	224.5	0.12	31.0	91.0	50.0	2.5	5	1	0.05			0.01		0.9	0.1	32.5
06/03/08	5.81	2.88	10.13	75	67	255.2	0.13	21.6	73.3	33.8	0.402	11.3	1.55	0.101			0.0038		0.633	0.152	25.4
08/03/08	4.91	4.31	10.51	81	84	335.6	0.08	25.7	53.8	55.0	0.1565	7.02	1.55	0.067			0.0351		0.256	0.147	31.2
09/16/08	4.82	3.65	10.97	83	92	353	0.07														
09/17/08								27.7	92.3	62.5	0.1565	6.82	1.55	0.0635			0.0137		0.669	0.14	33.8
11/02/08	5.81	2.46	9.75	71.8	89	361.2	0.1	24.5	80.2	41.3	0.449	3.76	1.55	0.0615			0.0032		0.721	0.101	27.4
Mean	5.15	4	9.940	74.9	91	294.7	0.3	28.7	86.2	55.7	1.14	7.3	1.37	0.066	0.0155	0.0545	0.023	0.0155	0.767	0.154	33.4
Median	4.91	3.81	9.750	73.6	89	286.6	0.10	27.7	91.0	60.0	0.45	6.8	1.55	0.0635	0.0155	0.0545	0.010	0.0155	0.845	0.152	32.6
St. Deviation	0.42	1	0.5900	4.40	12	52.30	0.3	4.6	17.1	12.0	1.07	3.0	0.28	0.02	NA	NA	0.034	NA	0.233	0.037	5.20
# of values	9	9	9	9	9	9	9	9	9	9	9	9	9	9	1	1	9	1	9	9	9
Minimum	4.82	2.46	9.33	70.2	67	224.5	0.06	21.6	53.8	33.8	0.1565	3.76	1	0.040	0.0155	0.0545	0.00155	0.0155	0.256	0.1	25.4
Maximum	5.81	4.49	10.97	83	107	361.2	0.95	35	105	70	2.5	12	1.55	0.101	0.0155	0.0545	0.11	0.0155	1	0.2	41.3
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	22%	100%	11%	100%	0%	22%	100%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	4	0	7	0	1	3	0	3	3	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP44																					
Sample Date																					
10/06/06	5.63	3.58	9.8	74	43	239.2	0.21	14.3	43.0	45.0	0.609	6.75	13.0	0.050	0.0155	0.0470	0.0300	0.05 J	0.776	0.0700	5.49
08/06/07	6.38	3.30	10.28	76.9	26	45.8	0.5	16.0	47.0	50.0	6	1	15	0.04			0.05		1.0	0.05	5.50
09/05/07	5.91	3.39	9.6	72.2	43	179.3	0.08	17.0	46.0	40.0	2.5	1	15	0.04			0.01		1.0	0.05	5.40
10/23/07	5.86	3.11	8.7	65	36	195.9	0.16	16.0	48.0	40.0	6	1	15	0.02			0.04		1.0	0.05	5.60
08/02/08	6.82	6.37	8.82	71.6	42	134.8	0.29	15.8	29.6	37.5	1.02	5.82	15	0.043			0.0315		0.651	0.049	4.68
09/16/08	6.01	5.35	9.81	77.5	45	190	0.15	14.5	48.0	48.8	1.11	5.66	14.8	0.0635			0.0458		0.81	0.091	4.99
Mean	6.1	4	9.500	72.9	39	164.2	0	16	44	44	2.9	3.5	15	0.043	0.0155	0.0470	0.035	0.05	0.873	0.06	5.28
Median	5.96	3	9.700	73.1	43	184.7	0	16	47	43	1.8	3.3	15	0.042	0.0155	0.0470	0.036	0.05	0.905	0.05	5.45
St. Deviation	0.43	1	0.6000	4.50	7.0	66.90	0	1	7	5	2.5	2.8	1	0.014	NA	NA	0.014	NA	0.149	0.017	0.36
# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6	1	1	6	1	6	6	6
Minimum	5.63	3.11	8.7	65	26	45.8	0.08	14.3	29.6	37.5	0.609	1	13	0.02	0.0155	0.0470	0.01	0.05	0.651	0.049	4.68
Maximum	6.82	6.37	10.28	77.5	45	239.2	0.5	17	48	50	6	6.75	15	0.0635	0.0155	0.0470	0.05	0.05	1	0.091	5.60
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	50%	0%	17%	100%	0%	0%	100%	0%	50%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	3	3	5	0	1	2	0	3	3	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP41																									
Sample Date																									
10/06/06	**0.00075**	**0.00075**			**0.0155**	267	265	**0.0075**	**0.0075**	**0.155**	**0.155**	14.2	15.6	**0.0474**	0.0602	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0798	0.0886	7130	7740	**0.050**	**0.050**
05/26/07	**0.00075**	**0.00075**			**0.0155**	372	355	**0.0075**	R	**0.155**	**0.155**	18.4	19.7	0.0778	0.0652	**0.0075**	**0.0250**	**1.25**	**3.11**	0.112	0.123	8420	8780	0.212	**0.100**
08/02/07	**0.0025**	0.015			**0.025**	8140	403	**0.2**	**0.2**	**0.25**	**0.25**	19.3	18.9	**0.1**	**0.05**	**20**	**20**	1.90	2.90	**0.2**	**0.1**	9200	9000	0.500	0.7
09/07/07	**0.0025**	**0.0025**			**0.025**	445	345	**0.2**	**0.2**	**0.25**	**0.25**	17.8	17.3	**0.05**	**0.05**	**20**	**20**	2.30	2.00	**0.2**	**0.1**	9400	9200	**0.05**	**0.05**
10/27/07	**0.0025**	**0.0025**			**0.025**	344	283	**0.2**	**0.2**	**0.25**	**0.25**	16.1	15.8	**0.05**	**0.05**	**20**	**20**	1.70	1.70	**0.25**	**0.25**	7900	8400	**0.25**	**0.25**
06/03/08	**0.00075**	**0.00075**			0.199	346	290	**0.0075**	**0.0075**	**0.155**	**0.155**	12.8	13.3	0.0508	0.0527	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0709	0.0776	5670	6010	**0.111**	**0.050**
08/03/08	**0.00075**	**0.00075**			**0.0155**	327	280	**0.0075**	**0.0075**	**0.155**	**0.155**	14.0	14.9	0.0659	0.0585	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0875	0.0889	6700	7740	**0.165**	
09/16/08																									
09/17/08	**0.00075**	**0.00075**			**0.050**	345	332	**0.0075**	**0.0189** J	**0.155**	**0.155**	14.8	16.5	0.0523	0.0599	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0968	0.11	7150	7930	0.257	
11/02/08	**0.00075**	**0.00075**			**0.050**	87.9	68	**0.0075**	**0.0075**	**0.155**	**0.155**	12.3	11.2	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0831	0.0696	6330	5940	**0.128**	**0.050**
Mean	0.00133	0.00272	NA	NA	0.047	1186	291	0.0717	0.081	0.187	0.187	15.5	15.9	0.0563	0.051	6.6717	6.6736	1.49	1.77	0.1311	0.112	7540	7860	0.191	0.179
Median	0.00075	0.00075	NA	NA	0.025	345	290	0.0075	0.013	0.155	0.155	14.8	15.8	0.0508	0.0527	0.0075	0.0075	1.25	1.25	0.0968	0.1	7150	7930	0.165	0.05
St. Deviation	0.00088	0.00467	NA	NA	0.059	2610	95	0.0963	0.099	0.048	0.048	2.5	2.60	0.0239	0.0155	9.9963	9.9948	0.39	0.75	0.0667	0.054	1280	1190	0.139	0.241
# of values	9	9	0	0	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7
Minimum	0.00075	0.00075	NA	NA	0.0155	87.9	68	0.0075	0.0075	0.155	0.155	12.3	11.2	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0709	0.0696	5670	5940	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.199	8140	403	0.2	0.2	0.25	0.25	19.3	19.7	0.1	0.0652	20	20	2.30	3.11	0.25	0.25	9400	9200	0.500	0.7
% of values undetected	100%	100%			89%	0%	0%	100%	88%	100%	100%	0%	0%	33%	44%	100%	100%	67%	56%	11%	11%	0%	0%	33%	86%
# of values between MDL and PQL	0	0			0	0	0	0	1	0	0	0	0	2	0	0	0	0	1	2	2	0	0	3	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.08	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.090	0.088	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	11%	NA	NA	0%	100%	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	78%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP44																									
Sample Date																									
10/06/06	**0.00075**	**0.00075**			**0.050**	13.6	2.80	**0.0075**	**0.0075**	**0.155**	**0.155**	2.10	2.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4620	4870	**0.106**	**0.189**
08/06/07	**0.0025**	**0.0025**			**0.025**	60.0	12.0	**0.2**	**0.2**	**0.25**	**0.25**	2.10	2.50	**0.05**	**0.05**	**20**	**20**	**0.7**	1.30	**0.05**	**0.05**	4400	5000	0.500	**0.4**
09/05/07	**0.0025**	**0.0025**			**0.025**	13.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.90	2.40	**0.05**	**0.05**	**20**	**20**	1.90	1.30	**0.05**	**0.05**	4700	5400	**0.05**	**0.25**
10/23/07	**0.0025**	**0.0025**			**0.025**	133	6.00	**0.2**	**0.2**	**0.7**	**0.25**	4.30	3.80	**0.05**	**0.05**	**20**	**20**	1.10	**0.5**	**0.05**	**0.05**	4900	5200	0.900	0.700
08/02/08	**0.00075**	**0.00075**			**0.0412**	8.16	6.26	**0.0155**	**0.0243** J	**0.155**	**0.155**	3.59	3.89	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4960	5050	0.319	0.307
09/16/08	**0.00075**	**0.00075**			**0.050**	42.2	2.86	**0.0075**	**0.0221** J	**0.155**	**0.155**	2.20	2.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4530	4750	0.496	0.521
Mean	0.0016	0.0016	NA	NA	0.036	45.0	5.40	0.11	0.11	0.28	0.2	2.70	2.90	0.031	0.031	10	10	1.2	1.14	0.03	0.03	4690	5050	0.395	0.395
Median	0.0016	0.0016	NA	NA	0.033	27.9	4.43	0.11	0.11	0.2	0.2	2.15	2.50	0.031	0.031	10	10	1.3	1.25	0.03	0.03	4660	5030	0.408	0.354
St. Deviation	0.001	0.001	NA	NA	0.013	47.6	3.64	0.1	0.1	0.21	0.05	1.00	0.70	0.021	0.021	11	11	0.4	0.32	0.02	0.02	220	230	0.311	0.190
# of values	6	6	0	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Minimum	0.00075	0.00075	NA	NA	0.025	8.16	2.5	0.0075	0.0075	0.155	0.155	1.90	2.40	0.0125	0.0125	0.0075	0.0075	0.7	0.5	0.0075	0.0075	4400	4750	0.05	0.189
Maximum	0.0025	0.0025	NA	NA	0.05	133	12.0	0.2	0.2	0.7	0.25	4.30	3.89	0.05	0.05	20	20	1.9	1.30	0.05	0.05	4960	5400	0.900	0.7
% of values undetected	100%	100%			83%	0%	17%	83%	67%	83%	100%	0%	0%	100%	100%	100%	100%	50%	67%	100%	100%	0%	0%	17%	17%
# of values between MDL and PQL	0	0			1	0	0	1	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.02	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.064	0.064	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP41																									
Sample Date																									
10/06/06	3.30	3.34	138	143	**11.5**	**16.7**	**0.0155**	**0.0376**	2070	2250	50.1	50.6	**0.000475**		**0.0145**	**0.0145**	3.74	3.88	933	994	**0.155**	**0.155**	7130	**0.0110**	**0.0072**
05/26/07	4.13	4.05	173	167	**11.2**	**19.7**	**0.0155**		2770	2960	70.4	69.8	**0.000169**		**0.0075**	**0.0250**	4.67	4.72	1070	1160	**0.155**	**0.155**	8790	**0.0176**	**0.0114**
08/02/07	26.2	4.58	385	172	230	**20**	**0.05**	**0.05**	2800	2800	1370	76.3	**0.00228**		**2**	**0.25**	4.80	4.50	**1000**	**1000**	**0.2**	**0.2**	8500	**0.25**	**0.025**
09/07/07	5.06	4.31	181	160	**10**	**10**	**0.05**	**0.05**	3000	2900	85.5	73.5	**0.00250**		**0.25**	**0.25**	4.80	4.50	**1100**	**1300**	**0.1**	**0.2**	8600	**0.025**	**0.025**
10/27/07	3.01	2.71	140	134	**10**	**10**	**0.05**	**0.25**	2300	2500	43.8	39.7	**0.000169**		**0.25**	**0.25**	3.70	3.50	**1100**	**1000**	**0.05**	**0.05**	8600	**0.025**	**0.025**
06/03/08	1.11	1.06	120	118	**13.3**	**14.3**	**0.0155**	**0.0693**	1800	1860	14.7	12.8	**0.00075**		**0.0075**	**0.0075**	1.86	2.26	858	915	**0.155**	**0.155**	7270	**0.008**	**0.0031**
08/03/08	3.26	3.23	141	143	24.3	**18.3**	**0.0155**	**0.0567**	2170	2230	51.2	50.7	**0.00151**		**0.0075**	**0.0075**	3.61	3.68	877	957	**0.155**	**0.155**	7620	**0.0031**	**0.0105**
09/16/08																									
09/17/08	3.48	3.68	146	153	**15.7**	23.7	**0.0155**	**0.0478**	2390	2660	52.4	55.4	**0.00075**		**0.0075**	**0.0429**	3.81	4.29	917	1020	**0.155**	**0.155**	8400	**0.0118**	**0.0105**
11/02/08	1.15	1.02	47.9	40.5	**19**	**12.4**	**0.0155**	**0.0386**	2110	1970	5.95	5.18	**0.00075**		**0.0075**	**0.0075**	2.61	2.41	787	744	**0.155**	**0.155**	6620	**0.0031**	**0.0031**
Mean	5.63	3.11	164	137	38.3	16.1	0.0270	0.0750	2380	2460	194	48.2	0.00104	NA	0.284	0.0950	3.73	3.75	960	1010	0.142	0.153	7950	0.039	0.013
Median	3.30	3.34	141	143	13.3	16.7	0.0155	0.0500	2300	2500	51.2	50.7	0.000750	NA	0.00750	0.0250	3.74	3.88	933	1000	0.155	0.155	8400	0.012	0.011
St. Deviation	7.82	1.30	91	40	72	4.8	0.0173	0.0714	400	400	442	25.3	0.000865	NA	0.652	0.117	1.00	0.900	113	150	0.0430	0.0430	800	0.079	0.0090
# of values	9	9	9	9	9	9	9	8	9	9	9	9	9	0	9	9	9	9	9	9	9	9	9	9	9
Minimum	1.11	1.02	47.9	40.5	10	10	0.0155	0.0376	1800	1860	5.95	5.18	0.000169	NA	0.0075	0.0075	1.86	2.26	787	744	0.05	0.05	6620	0.0031	0.0031
Maximum	26.2	4.58	385	172	230	23.7	0.05	0.25	3000	2960	1370	76.3	0.00250	NA	2	0.25	4.80	4.72	1100	1300	0.2	0.2	8790	0.25	0.025
% of values undetected	0%	0%	0%	0%	22%	22%	100%	38%	0%	0%	0%	0%	78%		89%	89%	0%	0%	11%	11%	78%	78%	0%	56%	56%
# of values between MDL and PQL	0	0	0	0	5	6	0	5	0	0	0	0	2		1	1	0	0	2	2	2	2	0	4	4
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.634	2.528	1000	1000	0.483	0.487	NA	NA	NA	NA	0.012	0.012	NA	NA	14.91	14.87	NA	NA	5	4.6	NA	0.318226441	0.270
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP44																									
Sample Date																									
10/06/06	**0.0065**	**0.0065**	0.147		28.6	**11.3**	**0.0155**	**0.0155**	668	768	0.798	0.303	**0.000475**		0.225	0.233	**0.105**	**0.154**	310	336	**0.155**	**0.155**	7900	**0.0031**	**0.0031**
08/06/07	**0.025**	**0.025**	**0.25**	**0.25**	250	**10**	**0.05**	**0.05**	**700**	**800**	3.10	**1.1**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.05**	8300	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**20**	**0.05**	**0.05**	**800**	**900**	**0.7**	**0.9**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**400**	**0.05**	**0.05**	8500	**0.025**	**0.025**
10/23/07	**0.09**	**0.025**	**0.25**	**0.25**	170	**10**	**0.25**	**0.05**	**700**	**800**	3.50	**0.25**	**0.000741**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**300**	**0.05**	**0.05**	8600	**0.025**	**0.025**
08/02/08	0.0294	0.0316	0.149	0.209	181	100.0	**0.0155**	**0.0155**	826	911	4.68	4.26	**0.00075**		0.268		**0.100**		307	333	**0.155**	**0.155**	8530	**0.0031**	**0.0031**
09/16/08	0.0225	**0.012**	0.274	0.268	69.6	**13.7**	**0.0362**	**0.0313**	769	810	1.98	0.722	**0.00075**		0.233	0.271	**0.100**	0.214	320	338	**0.155**	**0.155**	8520	**0.0031**	**0.0031**
Mean	0.033	0.021	0.22	0.245	121	28.0	0.0700	0.0350	740	830	2.50	1.26	0.00129	NA	0.250	0.250	0.200	0.250	260	450	0.100	0.100	8400	0.014	0.014
Median	0.025	0.025	0.25	0.25	120	13.0	0.0430	0.0410	730	810	2.50	0.810	0.000750	NA	0.250	0.250	0.200	0.300	300	340	0.100	0.100	8500	0.014	0.014
St. Deviation	0.029	0.01	0.06	0.022	93	36.0	0.0900	0.0170	60	60	1.60	1.51	0.000950	NA	0.0200	0.0100	0.110	0.0700	80.0	270	0.0600	0.0600	300	0.012	0.012
# of values	6	6	6	5	6	6	6	6	6	6	6	6	6	0	6	5	6	5	6	6	6	6	6	6	6
Minimum	0.0065	0.0065	0.147	0.209	25	10	0.0155	0.0155	668	768	0.7	0.25	0.000475	NA	0.225	0.233	0.100	0.154	150	300	0.05	0.05	7900	0.0031	0.0031
Maximum	0.09	0.0316	0.274	0.268	250	100.0	0.25	0.05	826	911	4.68	4.26	0.00250	NA	0.268	0.271	0.3	0.3	320	1000	0.155	0.155	8600	0.025	0.025
% of values undetected	50%	67%	50%	60%	17%	33%	83%	83%	0%	0%	0%	17%	83%		50%	60%	83%	60%	33%	17%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	1	0	0	0	3	1	1	3	3	1	2	1		0	0	1	1	1	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.776	1.705	1000	1000	0.269	0.289	NA	NA	NA	NA	0.012	0.012	NA	NA	10.09	10.06	NA	NA	5	4.6	NA	0.143941243	0.122
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP41										
Sample Date										
10/06/06	2340	2540	**0.0170**	**0.0158**	**0.050**	**0.050**	**0.250**	**0.250**	18.8	22.0
05/26/07	2970	3130	0.0302	0.0326	**0.050**	**0.050**	**0.155**	**0.155**	22.1	23.8
08/02/07	3100	3100	**0.05**	**0.05**	**0.05**	**0.05**	**0.4**	**0.1**	24.0	23.0
09/07/07	3300	3100	**0.25**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	25.0	25.0
10/27/07	2700	2900	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	21.0	21.0
06/03/08	2430	2560	0.0221	0.0231	**0.050**	**0.050**	**0.155**	**0.155**	14.1	15.6
08/03/08	2520	2540	0.0291	0.0264	**0.050**	**0.050**	**0.155**	**0.155**	20.3	23.6
09/16/08										
09/17/08	2540	2830	0.0270	0.0282	**0.050**	**0.050**	**0.155**	**0.155**	21.5	23.2
11/02/08	2350	2210	**0.0104**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	15.0	13.9
Mean	2690	2770	0.0540	0.0312	0.0500	0.0500	0.181	0.147	20.2	21.2
Median	2540	2830	0.0291	0.0282	0.0500	0.0500	0.155	0.155	21.0	23.0
St. Deviation	350	320	0.0750	0.0161	0	0	0.0930	0.0470	3.70	3.90
# of values	9	9	9	9	9	9	9	9	9	9
Minimum	2340	2210	0.0104	0.0050	0.050	0.050	0.1	0.1	14.1	13.9
Maximum	3300	3130	0.25	0.05	0.05	0.05	0.4	0.250	25.0	25.0
% of values undetected	0%	0%	33%	44%	100%	100%	89%	100%	0%	0%
# of values between MDL and PQL	0	0	2	1	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	34.19	33.71
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP44										
Sample Date										
10/06/06	2860	3110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.509**	**0.250**	2.15	2.66
08/06/07	3100	3300	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**2**
09/05/07	3200	3400	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**5**	**1**
10/23/07	3100	3300	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
08/02/08	3540	3540	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.34	1.91
09/16/08	3250	3260	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.34	1.55
Mean	3180	3320	0.0280	0.0280	0.0500	0.0500	0.250	0.100	2.00	2.40
Median	3150	3300	0.0280	0.0280	0.0500	0.0500	0.160	0.100	1.30	2.00
St. Deviation	220	140	0.0250	0.0250	0	0	0.200	0.100	1.50	1.40
# of values	6	6	6	6	6	6	6	6	6	6
Minimum	2860	3110	0.0050	0.0050	0.050	0.050	0.1	0.1	1	1
Maximum	3540	3540	0.05	0.05	0.05	0.05	0.509	0.250	5	5
% of values undetected	0%	0%	100%	100%	100%	100%	83%	100%	50%	33%
# of values between MDL and PQL	0	0	0	0	0	0	1	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	23.13	22.80
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP50																					
Sample Date																					
10/05/06	5.06	2.87	7.04	52.1	27	114.9	0.19	9.52	26.0	33.8	**0.075**	**7.75**	12.0	**0.050**	**0.0155**	**0.050**	0.0440		0.711	**0.0520**	0.53
05/22/07	5.87	1.57	11.56	82.5	30	214.6	0.11	11.7	32.0	30.0	**0.0765**	**1.57**	14.0	0.139			0.0340		0.618	**0.0360**	0.68
08/07/07	6.62	1.99	10.82	78.3	28	56.7	1.2	12.0	31.0	30.0	**2.5**	**1**	**13**	0.10			0.05		**0.9**	**0.05**	**0.6**
09/04/07	5.75	2.26	11.05	80.7	29	155.4	0.12	13.0	31.0	30.0	**2.5**	**1**	**14**	**0.08**			**0.02**		**0.9**	**0.05**	**0.6**
10/21/07	5.94	2.65	9.84	72.5	25	251.7	0.07	12.0	28.0	20.0	**6**	**1**	**11**	**0.04**			**0.03**		**0.9**	**0.05**	**0.7**
Mean	5.85	0	10.06	73.2	28	158.7	0	12.0	30.0	29.0	2.2	2.5	13	0.08	0.0155	0.050	0.036	NA	0.806	0.048	0.62
Median	5.87	2.26	10.82	78.3	28	155.4	0.12	12.0	31.0	30.0	2.5	1	13	0.08	0.0155	0.050	0.034	NA	0.9	0.05	0.60
St. Deviation	0.56	0	1.800	12.4	2.0	77.60	0	1	3.0	5.0	2.4	3	1	0.04	NA	NA	0.012	NA	0.133	0.007	0.07
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	5	0	5	5	5
Minimum	5.06	1.57	7.04	52.1	25	56.7	0.07	9.52	26	20	0.075	1	11	0.04	0.0155	0.050	0.02	NA	0.618	0.036	0.53
Maximum	6.62	2.87	11.56	82.5	30	251.7	1.2	13	32	33.8	6	7.75	14	0.139	0.0155	0.050	0.05	NA	0.9	0.052	0.7
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	80%	0%	20%	100%	100%	0%	0%	0%	60%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	1	3	2	0	0	2	0	3	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP51																					
Sample Date																					
10/05/06	5.61	2.23	7.71	56.6	32	117.2	0.1	17.4	46.0	47.5	**0.075**	13.3	24	0.115	**0.0155**	**0.050**	0.071		0.637	**0.0690**	1.38
08/07/07	6.58	2.16	10.85	78.9	43	80.7	0.09	19.0	47.0	40.0	**2.5**	**1**	21	**0.09**			0.07		**0.8**	**0.05**	**1.3**
09/04/07	6.35	2.09	10.96	79.4	46	142.9	0.09	20.0	47.0	40.0	**2.5**	**1**	23	**0.09**			0.06		**0.9**	**0.05**	**1.5**
10/21/07	6.25	2.10	10.1	73.3	45	239.6	0.11	21.0	49.0	30.0	**6**	**1**	23	**0.08**			0.06		**0.9**	**0.05**	**1.5**
Mean	6.2	0	9.900	72.1	42	145.1	0.00	19.0	47.0	39.0	2.8	4.1	23	0.094	0.0155	0.050	0.065	NA	0.809	0.055	1.42
Median	6.3	0	10.50	76.1	44	130.1	0.00	20.0	47.0	40.0	2.5	1	23	0.09	0.0155	0.050	0.065	NA	0.85	0.05	1.44
St. Deviation	0.42	0	1.500	10.7	6.0	68.00	0.000	2	1.0	7.0	2.4	6.2	1	0.015	NA	NA	0.006	NA	0.124	0.010	0.10
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	4	0	4	4	4
Minimum	5.61	2.09	7.71	56.6	32	80.7	0.09	17.4	46	30	0.075	1	21	0.08	0.0155	0.050	0.06	NA	0.637	0.05	1.3
Maximum	6.58	2.23	10.96	79.4	46	239.6	0.11	21	49	47.5	6	13.3	24	0.115	0.0155	0.050	0.071	NA	0.9	0.069	1.5
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	75%	0%	0%	100%	100%	0%	0%	0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	3	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP50																									
Sample Date																									
10/05/06	**0.00075**	**0.0025**			**0.050**	7.96	6.23	**0.0075**	**0.0075**	**0.155**	**0.155**	0.16		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2770	3380	**0.050**	**0.050**
05/22/07	**0.00075**	**0.00075**			**0.050**	11.4	7.52	**0.0075**	**0.0250** U	**0.155**	**0.155**	0.16		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3710		**0.100**	**0.100**
08/07/07	**0.0025**	**0.0025**			**0.025**	7.00	7.00	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.30	1.50	**0.05**	**0.05**	3300	3600	0.800	0.500
09/04/07	**0.0025**				**0.21**	16.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	3300	3800	**0.05**	**0.05**
10/21/07	**0.0025**	**0.0025**			**0.025**	7.00	7.00	**0.2**	**0.2**	**0.25**	**0.25**	1.40		**0.05**	**0.05**	**20**	**20**	1.10	1.10	**0.05**	**0.05**	2800	3400	0.700	**0.25**
Mean	0.0018	0.0021	NA	NA	0.072	9.87	6.05	0.123	0.127	0.21	0.21	0.44	NA	0.035	0.035	12	12	1.08	1.12	0.035	0.035	3200	3500	0.340	0.190
Median	0.0025	0.0025	NA	NA	0.05	7.96	7.00	0.2	0.2	0.25	0.25	0.25	NA	0.05	0.05	20	20	1.25	1.25	0.05	0.05	3300	3500	0.100	0.100
St. Deviation	0.001	0.0009	NA	NA	0.078	3.87	2.04	0.105	0.101	0.05	0.05	0.54	NA	0.021	0.021	11	11	0.33	0.38	0.021	0.021	400	200	0.376	0.192
# of values	5	4	0	0	5	5	5	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5	4	5	5
Minimum	0.00075	0.00075	NA	NA	0.025	7.00	2.5	0.0075	0.0075	0.155	0.155	0.16	NA	0.0125	0.0125	0.0075	0.0075	0.50	0.5	0.0075	0.0075	2770	3380	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.21	16.0	7.52	0.2	0.2	0.25	0.25	1.40	NA	0.05	0.05	20	20	1.30	1.50	0.05	0.05	3710	3800	0.800	0.5
% of values undetected	100%	100%			80%	0%	20%	100%	100%	100%	100%	40%		100%	100%	100%	100%	60%	60%	100%	100%	0%	0%	60%	80%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.07	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.049	0.049	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	60%	60%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP51																									
Sample Date																									
10/05/06	**0.00075**	**0.00075**			**0.050**	**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	0.25		**0.0125**	**0.0125**	**0.0075**	**0.0296**	**1.25**	**2.87**	**0.0185**	**0.0185**	5490	5420	**0.050**	0.203
08/07/07	**0.0025**	**0.0025**			**0.025**	7.00	11.0	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.10	1.70	**0.05**	**0.05**	5300	5800	0.500	**0.3**
09/04/07	**0.0025**	**0.0025**			**0.025**	6.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	5500	6200	**0.05**	**0.05**
10/21/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.50		**0.05**	**0.05**	**20**	**20**	1.10	1.10	**0.05**	**0.05**	6300	6700	0.600	**0.25**
Mean	0.0021	0.0021	NA	NA	0.031	4.13	4.3	0.15	0.15	0.23	0.23	0.56	NA	0.041	0.041	15	15	0.99	1.54	0.042	0.042	5600	6000	0.300	0.201
Median	0.0025	0.0025	NA	NA	0.025	4.25	2.5	0.2	0.2	0.25	0.25	0.25	NA	0.05	0.05	20	20	1.10	1.40	0.05	0.05	5500	6000	0.275	0.227
St. Deviation	0.0009	0.0009	NA	NA	0.013	2.84	4.6	0.1	0.1	0.05	0.05	0.62	NA	0.019	0.019	10	10	0.33	1.01	0.016	0.016	400	500	0.292	0.108
# of values	4	4	0	0	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.025	1.00	1.00	0.0075	0.0075	0.155	0.155	0.25	NA	0.0125	0.0125	0.0075	0.0296	0.50	0.5	0.0185	0.0185	5300	5420	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.05	7.00	11.0	0.2	0.2	0.25	0.25	1.50	NA	0.05	0.05	20	20	1.25	2.87	0.05	0.05	6300	6700	0.600	0.3
% of values undetected	100%	100%			100%	50%	75%	100%	100%	100%	100%	50%		100%	100%	100%	75%	50%	25%	100%	100%	0%	0%	50%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0		0	0	0	1	0	1	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.02	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.075	0.073	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP50																									
Sample Date																									
10/05/06	**0.0065**	0.0144	0.123		7.12	9.28	**0.0155**	0.0806	631		0.233	0.115	**0.000475**		**0.0145**	**0.0145**	0.0706	0.174	156		**0.155**	**0.155**	6230	**0.0031**	**0.0031**
05/22/07	**0.0050**	0.0146	**0.050**	0.186	12.8	11.8	**0.0155**		581		0.577	0.701	0.000363		0.156	0.187	**0.100**	0.280	119		**0.155**	**0.155**	5570	**0.0100**	**0.0100**
08/07/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	800	800	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	6000	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	1.5	**0.25**	**10**	**10**	**0.05**	**0.05**	800	900	**0.25**	**0.25**	0.000481		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	7100	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	600	800	**0.25**	**0.25**	0.000373		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	6600	**0.025**	**0.025**
Mean	0.017	0.021	0.435	0.234	10	10.0	0.0360	0.0580	680	830	0.310	0.310	0.000372	NA	0.180	0.190	0.210	0.270	320	430	0.0920	0.0920	6300	0.018	0.018
Median	0.025	0.025	0.25	0.25	10	10.0	0.0500	0.0500	631	800	0.250	0.250	0.000373	NA	0.250	0.250	0.300	0.300	150	150	0.0500	0.0500	6230	0.025	0.025
St. Deviation	0.011	0.006	0.602	0.032	2	1.0	0.0190	0.0150	110	60	0.150	0.220	0.000126	NA	0.100	0.100	0.120	0.0500	380	490	0.0580	0.0580	600	0.010	0.010
# of values	5	5	5	4	5	5	5	4	5	3	5	5	5	0	5	5	5	5	5	3	5	5	5	5	5
Minimum	0.005	0.0144	0.050	0.186	7.12	9.28	0.0155	0.05	581	800	0.233	0.115	0.000169	NA	0.0145	0.0145	0.0706	0.174	119	150	0.05	0.05	5570	0.0031	0.0031
Maximum	0.025	0.025	1.5	0.25	12.8	11.8	0.05	0.0806	800	900	0.577	0.701	0.000481	NA	0.25	0.25	0.3	0.3	1000	1000	0.155	0.155	7100	0.025	0.025
% of values undetected	100%	60%	80%	75%	60%	60%	100%	75%	0%	0%	60%	60%	40%		80%	80%	80%	60%	60%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	2	0	0	2	2	0	1	3	3	0	0	3		0	0	1	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.299	1.247	1000	1000	0.169	0.190	NA	NA	NA	NA	0.012	0.012	NA	NA	7.41	7.39	NA	NA	5	4.6	NA	0.076754878	0.065
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP51																									
Sample Date																									
10/05/06	**0.0134**	**0.0164**	**0.050**		12.5	8.00	**0.0420**		906	1010	0.108	0.122	**0.000475**		0.340	0.403	**0.140**	0.234	168		**0.155**	**0.155**	7690	**0.0031**	**0.0031**
08/07/07	**0.025**	**0.025**	0.9	**0.25**	**10**	**10**	**0.05**	**0.05**	900	1100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	8100	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	1000	1100	**0.25**	**0.25**	0.000645		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	9000	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.25**	**0.05**	900	1100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	7300	**0.025**	**0.025**
Mean	0.022	0.023	0.4	0.25	14	10.0	0.100	0.0500	930	1100	0.210	0.220	0.000364	NA	0.270	0.290	0.260	0.280	370	430	0.0760	0.0760	8000	0.020	0.020
Median	0.025	0.025	0.3	0.25	11	10.0	0.0500	0.0500	900	1100	0.250	0.250	0.000322	NA	0.250	0.250	0.300	0.300	160	150	0.0500	0.0500	7900	0.025	0.025
St. Deviation	0.006	0.004	0.4	0	7	1.0	0.100	0	50	0	0.0700	0.0600	0.000236	NA	0.0500	0.0800	0.0800	0.0300	420	490	0.0530	0.0530	700	0.011	0.011
# of values	4	4	4	3	4	4	4	3	4	4	4	4	4	0	4	4	4	4	4	3	4	4	4	4	4
Minimum	0.0134	0.0164	0.050	0.25	10	8.00	0.0420	0.05	900	1010	0.108	0.122	0.000169	NA	0.25	0.25	0.140	0.234	150	150	0.05	0.05	7300	0.0031	0.0031
Maximum	0.025	0.025	0.9	0.25	25	10	0.25	0.05	1000	1100	0.25	0.25	0.000645	NA	0.340	0.403	0.3	0.3	1000	1000	0.155	0.155	9000	0.025	0.025
% of values undetected	75%	75%	75%	100%	75%	75%	75%	100%	0%	0%	75%	75%	75%		75%	75%	75%	75%	75%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	1	1	0	1	1	1	0	2	0	0	0	1		0	0	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.118	2.033	1000	1000	0.349	0.365	NA	NA	NA	NA	0.012	0.012	NA	NA	12.02	11.98	NA	NA	5	4.6	NA	0.205294605	0.175
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP50										
Sample Date										
10/05/06	1470	1790	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.658**	**0.250**	**0.50**	
05/22/07	1550		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.581**	**0.666**	**0.50**	1.07
08/07/07	**1800**	**1900**	**0.4**	**0.4**	**0.05**	**0.05**	**0.4**	**0.5**	**1**	**1**
09/04/07	**1700**	**1900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.9**	**1**	**5**
10/21/07	**1500**	**1800**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	1600	1800	0.102	0.102	0.0500	0.0500	0.490	0.560	0.800	2.00
Median	1550	1900	0.050	0.050	0.0500	0.0500	0.500	0.500	1.00	1.00
St. Deviation	100	100	0.168	0.168	0	0	0.140	0.240	0.300	2.00
# of values	5	4	5	5	5	5	5	5	5	4
Minimum	1470	1790	0.0050	0.0050	0.050	0.050	0.3	0.250	0.50	1
Maximum	1800	1900	0.4	0.4	0.05	0.05	0.658	0.9	1	5
% of values undetected	0%	0%	80%	80%	100%	100%	20%	60%	100%	75%
# of values between MDL and PQL	3	3	1	1	0	0	4	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	16.97	16.73
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP51										
Sample Date										
10/05/06	2230	2390	**0.0050**	0.0298	**0.050**		**0.250**	**0.250**	**0.50**	
08/07/07	2400	2600	**0.05**	**0.2**	**0.05**	**0.05**	**0.5**	**0.3**	**1**	**2**
09/04/07	2400	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.8**	**1**	**5**
10/21/07	2500	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	2400	2600	0.0390	0.0820	0.0500	0.0500	0.390	0.460	0.900	2.70
Median	2400	2700	0.0500	0.0500	0.0500	0.0500	0.400	0.400	1.00	2.00
St. Deviation	100	100	0.0230	0.0790	0	0	0.130	0.250	0.300	2.10
# of values	4	4	4	4	4	3	4	4	4	3
Minimum	2230	2390	0.0050	0.0298	0.050	0.05	0.250	0.250	0.50	1
Maximum	2500	2700	0.05	0.2	0.05	0.05	0.5	0.8	1	5
% of values undetected	0%	0%	100%	50%	100%	100%	75%	50%	100%	67%
# of values between MDL and PQL	0	0	0	1	0	0	1	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	27.55	27.16
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP53																					
Sample Date																					
10/06/06	6.07	2.84	9.09	67.3	38	242.9	0.09	13.2	36.0	45.0	**0.150**	**9.00**	12.0	**0.050**	**0.0155**	**0.0645**	0.0190	**0.05** J	0.672	**0.0550**	5.08
05/23/07	5.87	2.33	12.55	92.2	40	217	0.12	13.4	39.0	50.0	**0.1615**	**6.00**	**9.00**	0.125			0.0160		0.688	**0.0400**	5.94
08/06/07	6.24	2.33	10.05	73.5	41	41.3	0.41	16.0	46.0	40.0	**2.5**	**1**	**12**	0.110			**0.02**		**0.9**	**0.05**	6.00
09/05/07	6.76	2.64	9.09	66.9	44	229.6	0.17	17.0	45.0	50.0	**2.5**	**1**	**12**	1.800			**0.005**		**0.9**	**0.05**	6.60
10/21/07	5.86	2.75	9.13	67.4	38	273.5	0.17	15.0	40.0	30.0	**6**	**1**	**11**	**0.06**			**0.02**		**0.9**	**0.05**	5.20
06/03/08	6.03	2.65	10.27	75.7	35	258.7	0.12	13.2	41.7	16.3	2.25	**6.93**	11.6	**0.081**			0.0302		0.544	**0.031**	5.34
08/02/08	6.42	2.21	10.58	77.1	30	234.1	0.21	12.5	25.7	32.5	**0.153**	**5.7**	11.6	0.109			0.0228		0.509	**0.037**	4.63
09/16/08	5.84	2.60	9.31	68.5	42	232.2	0.06	14.1	42.8	46.3	**0.150**	10.1	13.1	0.117			0.0188		0.701	**0.089**	4.98
11/03/08	6.68	2.64	9.46	69.5	40	274.6	0.08	13.0	43.6	23.8	**0.158**	**6.22**	12.1	**0.059**			0.0226		0.524	**0.043**	4.99
Mean	6.2	3	9.950	73.1	39	222.7	0.2	14.2	40.0	37.0	1.56	5.2	12.0	0.280	0.0155	0.0645	0.019	0.05	0.704	0.049	5.42
Median	6.07	2.64	9.460	69.5	40.0	234.1	0.12	13.4	41.7	40.0	0.1615	6	12.0	0.109	0.0155	0.0645	0.02	0.05	0.688	0.05	5.20
St. Deviation	0.35	0	1.120	8.10	4.0	70.90	0.1	1.5	6.0	12.0	1.99	3.5	1.0	0.570	NA	NA	0.007	NA	0.163	0.017	0.63
# of values	9	9	9	9	9	9	9	9	9	9	9	9	9	9	1	1	9	1	9	9	9
Minimum	5.84	2.21	9.09	66.9	30	41.3	0.06	12.5	25.7	16.3	0.15	1	9	0.050	0.0155	0.0645	0.005	0.05	0.509	0.031	4.63
Maximum	6.76	2.84	12.55	92.2	44	274.6	0.41	17	46	50	6	10.1	13.1	1.800	0.0155	0.0645	0.0302	0.05	0.9	0.089	6.60
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%	33%	0%	11%	100%	0%	11%	100%	0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	5	4	3	0	1	2	0	3	6	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP54																					
Sample Date																					
03/17/05	7.34	0.36	15	105.4	57		1.6														
10/05/06	5.87	6.69	2.67	21.9	53	156.5	0.22	23.7	50.0	22.5	**0.400**	15.8	27.0	**0.050**	**0.0155**	**0.050**	0.0106	**0.05** J	0.632	**0.0490**	2.04
05/22/07	6.30	3.79	8.58	65	47	145.6	0.1	19.8	50.0	48.8	**0.1515**	**1.57**	23.0	0.162			**0.0050**		0.752	**0.0450**	2.35
08/08/07	7.24	3.40	4.6	34.4	56	44.6	0.92	22.0	56.0	20.0	**2.5**	**1**	26.0	**0.09**			**0.02**		**0.7**	**0.05**	**2.0**
09/07/07	6.42	7.76	3.58	30.1	57	161.8	0.13	25.0	59.0	50.0	**2.5**	**1**	28.0	0.10			**0.005**		**0.8**	**0.05**	**2.1**
10/27/07	6.50	7.99	4.68	39.6	43	205.1	0.52	23.0	56.0	60.0	**2.5**	**1**	24.0	**0.08**			**0.01**		**0.8**	**0.05**	**1.5**
Mean	6.61	0.00	6.520	49.4	52	142.7	1	23.0	54.0	40.0	1.6	4.1	26.0	0.096	0.0155	0.050	0.010	0.05	0.737	0.049	2
Median	6.46	10	4.640	37	55	156.5	0	23.0	56.0	48.8	2.5	1	26.0	0.090	0.0155	0.050	0.010	0.05	0.752	0.05	2.04
St. Deviation	0.57	0	4.620	31.1	6.0	59.30	1	2	4.0	18.0	1.2	6.6	2.0	0.041	NA	NA	0.006	NA	0.072	0.002	0.3
# of values	6	6	6	6	6	5	6	5	5	5	5	5	5	5	1	1	5	1	5	5	5
Minimum	5.87	0.36	2.67	21.9	43	44.6	0.1	19.8	50	20	0.1515	1	23.0	0.050	0.0155	0.050	0.005	0.05	0.632	0.045	1.5
Maximum	7.34	7.99	15	105.4	57	205.1	1.6	25	59	60	2.5	15.8	28.0	0.162	0.0155	0.050	0.02	0.05	0.8	0.05	2.35
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	80%	0%	20%	100%	100%	20%	100%	0%	60%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	3	0	3	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	50%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	17%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP53																									
Sample Date																									
10/06/06	**0.00075**	0.0020			**0.0155**	4.42	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	2.49	2.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4250	4430	0.114	**0.050**
05/23/07	**0.00075**	**0.00075**			**0.050**	5.12	3.15	0.0662	**0.0250** U	**0.155**	**0.155**	2.96		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	2.71	0.0206	**0.0075**	4180	4540	0.215	**0.100**
08/06/07	**0.0025**	**0.0025**			**0.025**	5.00		**0.2**	**0.2**	**0.25**	**0.25**	3.00	3.40	**0.05**	**0.05**	**20**	**20**	0.7	1.60	**0.05**	**0.05**	4600	5000	0.500	0.4
09/05/07	**0.0025**	**0.0025**			0.12	9.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	3.10	3.40	**0.05**	**0.05**	**20**	**20**	**0.5**	1.20	**0.05**	**0.05**	4800	5200	**0.25**	**0.25**
10/21/07	**0.015**	**0.0025**			**0.025**	10.0	**2.5**	**0.2**	**0.2**	0.5	**0.25**	2.50		**0.05**	**0.05**	**20**	**20**	1.60	1.30	**0.05**	**0.05**	4300	4700	**0.25**	0.600
06/03/08	**0.0025**	0.0017			0.338	22.7	8.71	**0.0075**	**0.0075**	**0.155**	**0.155**	2.39	2.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4120	4110	0.247	0.245
08/02/08	**0.00075**	**0.00075**			0.0621	2.56	**1.00**	0.0468	0.0221 J	**0.155**	**0.155**	2.52		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0221	**0.0075**	3950	4720	0.300	0.448
09/16/08	**0.00075**	**0.00075**			**0.050**	2.18	1.77	**0.0075**	0.0191 J	**0.155**	0.37	2.73		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4440	4750	0.454	0.456
11/03/08	**0.00075**	**0.00075**			**0.050**	2.02		**0.0075**	**0.0075**	**0.155**	**0.155**	2.61	2.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4110	4120	0.138	
Mean	0.00292	0.0016	NA	NA	0.082	7.00	2.95	0.083	0.077	0.214	0.211	2.70	2.95	0.025	0.025	6.6717	6.6717	1.14	1.45	0.026	0.0229	4310	4620	0.274	0.319
Median	0.00075	0.0017	NA	NA	0.05	5.00	2.5	0.0468	0.0221	0.155	0.155	2.61	2.87	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0206	0.0075	4250	4700	0.25	0.325
St. Deviation	0.00461	0.0008	NA	NA	0.101	6.53	2.67	0.09	0.093	0.115	0.075	0.26	0.44	0.0188	0.0188	9.9963	9.9963	0.33	0.49	0.019	0.0206	270	370	0.129	0.190
# of values	9	9	0	0	9	9	7	9	9	9	9	9	5	9	9	9	9	9	9	9	9	9	9	9	8
Minimum	0.00075	0.00075	NA	NA	0.0155	2.02	1.00	0.0075	0.0075	0.155	0.155	2.39	2.43	0.0125	0.0125	0.0075	0.0075	0.50	1.20	0.0075	0.0075	3950	4110	0.114	0.05
Maximum	0.015	0.0025	NA	NA	0.338	22.7	8.71	0.2	0.2	0.5	0.37	3.10	3.40	0.05	0.05	20	20	1.60	2.71	0.05	0.05	4800	5200	0.500	0.600
% of values undetected	100%	78%			67%	0%	57%	78%	78%	89%	89%	0%	0%	100%	100%	100%	100%	78%	56%	78%	100%	0%	0%	22%	38%
# of values between MDL and PQL	0	2			2	0	1	1	2	1	1	0	0	0	0	0	0	1	1	2	0	0	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.059	0.058	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP54																									
Sample Date																									
03/17/05																									
10/05/06	**0.00075**	0.0020			**0.050**	14.7	2.67	**0.0075**	**0.0075**	**0.155**	**0.155**	3.23	3.45	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6880	5980	0.207	**0.050**
05/22/07	**0.00075**	**0.00075**			**0.050**	2.31	**1.00**	**0.0250**	**0.0250** U	**0.155**	**0.155**	2.36		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5500	5820	**0.100**	**0.050**
08/08/07	**0.0025**	**0.0025**			**0.025**	72.0	9.00	**0.2**	**0.2**	**0.25**	**0.25**	3.40	3.50	**0.05**	**0.05**	**20**	**20**	1.60	2.00	**0.05**	**0.05**	6600	6400	0.3	0.600
09/07/07	**0.0025**	**0.0025**			0.48	21.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	3.40	3.90	**0.05**	**0.05**	**20**	**20**	2.70	2.60	**0.05**	**0.05**	6800	7000	**0.25**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	8.00	6.00	**0.2**	**0.2**	**0.25**	**0.25**	4.30	4.10	**0.05**	**0.05**	**20**	**20**	2.70	2.70	**0.05**	**0.05**	6200	6600	**0.25**	**0.25**
Mean	0.0018	0.0021	NA	NA	0.126	23.6	4.23	0.127	0.127	0.21	0.21	3.30	3.70	0.035	0.035	12	12	1.90	1.96	0.035	0.035	6400	6400	0.221	0.240
Median	0.0025	0.0025	NA	NA	0.05	14.7	2.67	0.2	0.2	0.25	0.25	3.40	3.70	0.05	0.05	20	20	1.60	2.00	0.05	0.05	6600	6400	0.25	0.250
St. Deviation	0.001	0.0008	NA	NA	0.198	28.0	3.23	0.101	0.101	0.05	0.05	0.70	0.30	0.021	0.021	11	11	0.74	0.70	0.021	0.021	600	500	0.075	0.225
# of values	5	5	0	0	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.00075	0.00075	NA	NA	0.025	2.31	1.00	0.0075	0.0075	0.155	0.155	2.36	3.45	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5500	5820	0.100	0.05
Maximum	0.0025	0.0025	NA	NA	0.48	72.0	9.00	0.2	0.2	0.25	0.25	4.30	4.10	0.05	0.05	20	20	2.70	2.70	0.05	0.05	6880	7000	0.3	0.6
% of values undetected	100%	80%			80%	0%	40%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	40%	40%	100%	100%	0%	0%	60%	80%
# of values between MDL and PQL	0	1			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.96	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.083	0.081	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP53																									
Sample Date																									
10/06/06	**0.0152**	**0.0160**	0.683	0.541	**3.10**	**3.10**	0.300	**0.0155**	637	677	0.352	0.279	**0.000475**		0.140	0.137	0.301	0.295	295	309	**0.155**	**0.155**	6520	**0.0031**	**0.0031**
05/23/07	0.0340	0.0232	0.971	0.627	24.3	**18.6**	0.217	**0.050**	710	828	0.654	0.599	**0.000407**		0.159	0.179	0.375	0.464	310	341	**0.155**	**0.155**	7280	**0.0031**	**0.0031**
08/06/07	**0.025**	**0.025**	**0.6**	**0.25**	110	**10**	**0.05**	**0.05**	**700**	**800**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**1.6**	**1000**	**1000**	**0.1**	**0.2**	7500	**0.025**	**0.025**
09/05/07	**0.06**	**0.08**	**1.5**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	**900**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**400**	**0.1**	**0.2**	8600	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.25**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.000425**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**300**	**0.25**	**0.25**	7400	**0.025**	**0.025**
06/03/08	0.0203	**0.0184**	1.41	1.05	55.8	**13.9**	**0.0155**	**0.0395**	708	735	1.53	0.876	**0.00075**		0.0824	0.0824	0.296	0.494	337	356	**0.155**	**0.155**	7620	**0.0031**	**0.0031**
08/02/08	**0.0153**	0.0211	0.514	0.444	**8.8**	**11.5**	0.227	**0.0155**	633		0.189	0.184	**0.00075**		0.166	0.213	0.318	0.483	276		**0.155**	**0.155**	7890	**0.0031**	**0.0031**
09/16/08	**0.0104**	**0.0183**	0.522	0.578	**7.6**	**10.9**	**0.0155**	**0.0155**	729	812	0.117	0.139	**0.00075**		0.136	0.178	0.302	0.388	305	337	**0.155**	**0.155**	7140	**0.0031**	**0.0031**
11/03/08	**0.0174**	0.0263	0.617		**11.9**	**12.2**	**0.0155**	**0.0155**	656	726	0.148		**0.00075**		0.167	0.101	0.353		289	311	**0.155**	**0.155**	7790	**0.0031**	**0.0117**
Mean	0.0247	0.0281	0.785	0.499	26.8	11.1	0.127	0.0335	686	772	0.416	0.353	0.000780	NA	0.178	0.182	0.316	0.541	362	419	0.153	0.176	7530	0.010	0.011
Median	0.0203	0.0232	0.617	0.493	10	10.9	0.0500	0.0395	700	768	0.250	0.250	0.000750	NA	0.166	0.179	0.301	0.426	300	339	0.155	0.155	7500	0.0031	0.0031
St. Deviation	0.015	0.0198	0.424	0.272	35.0	4.1	0.119	0.0174	61	75	0.447	0.252	0.000680	NA	0.0600	0.0650	0.0280	0.436	245	237	0.0430	0.0340	570	0.011	0.011
# of values	9	9	9	8	9	9	9	9	9	8	9	8	9	0	9	9	9	8	9	8	9	9	9	9	9
Minimum	0.0104	0.016	0.25	0.25	3.1	3.10	0.0155	0.0155	600	677	0.117	0.139	0.000169	NA	0.0824	0.0824	0.296	0.295	150	300	0.1	0.155	6520	0.0031	0.0031
Maximum	0.06	0.08	1.5	1.05	110	18.6	0.300	0.05	800	900	1.53	0.876	0.00250	NA	0.25	0.25	0.375	1.6	1000	1000	0.25	0.25	8600	0.025	0.025
% of values undetected	22%	22%	22%	38%	33%	44%	67%	89%	0%	0%	33%	38%	78%		33%	33%	33%	25%	22%	13%	78%	78%	0%	100%	89%
# of values between MDL and PQL	5	4	1	0	3	5	0	1	3	3	0	0	2		0	0	0	1	1	2	2	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.600	1.536	1000	1000	0.230	0.251	NA	NA	NA	NA	0.012	0.012	NA	NA	9.10	9.08	NA	NA	5	4.6	NA	0.116665482	0.099
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	22%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP54																									
Sample Date																									
03/17/05																									
10/05/06	0.0278	0.0246	0.372	0.390	33.2	**18.7**	**0.0155**		1590	1600	0.580	0.448	**0.000475**		0.133	0.142	0.212	0.235	495	499	**0.155**	**0.155**	6300	**0.0031**	**0.0031**
05/22/07	**0.0170**	0.0222	0.249	0.348	**17.9**	**16.7**	**0.0155**	**0.0155**	1480	1630	0.258	0.263	**0.000436**		0.110	0.142	0.201	0.364	379	434	**0.155**	**0.155**	5390	**0.0031**	**0.0031**
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	70	**10**	**0.05**	**0.1**	1600	1500	**1**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	5800	**0.025**	**0.025**
09/07/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1700	1700	**0.7**	**1**	**0.00250**		**0.25**	**0.25**	**0.3**	**1.5**	**400**	**500**	**0.05**	**0.05**	7500	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	1400	1500	**0.7**	**1**	**0.000612**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**700**	**0.05**	**0.05**	6800	**0.025**	**0.025**
Mean	0.024	0.024	0.27	0.3	28	13.0	0.0360	0.100	1600	1600	0.650	0.590	0.000838	NA	0.200	0.210	0.260	0.540	550	630	0.0920	0.0920	6400	0.016	0.016
Median	0.025	0.025	0.25	0.25	17.9	10.0	0.0500	0.0800	1590	1600	0.700	0.448	0.000475	NA	0.250	0.250	0.300	0.300	495	500	0.0500	0.0500	6300	0.025	0.025
St. Deviation	0.004	0.001	0.05	0.07	25	4.0	0.0190	0.100	100	100	0.270	0.380	0.000943	NA	0.0700	0.0600	0.0500	0.540	250	230	0.0580	0.0580	800	0.012	0.012
# of values	5	5	5	5	5	5	5	4	5	5	5	5	5	0	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.017	0.0222	0.249	0.25	10	10	0.0155	0.0155	1400	1500	0.258	0.25	0.000169	NA	0.110	0.142	0.201	0.235	379	434	0.05	0.05	5390	0.0031	0.0031
Maximum	0.0278	0.025	0.372	0.39	70	18.7	0.05	0.25	1700	1700	1	1	0.00250	NA	0.25	0.25	0.3	1.5	1000	1000	0.155	0.155	7500	0.025	0.025
% of values undetected	60%	60%	60%	60%	40%	60%	100%	75%	0%	0%	0%	20%	60%		60%	60%	60%	60%	20%	20%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	1	2	0	1	0	0	3	2	2		0	0	0	0	2	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.382	2.287	1000	1000	0.416	0.426	NA	NA	NA	NA	0.012	0.012	NA	NA	13.50	13.46	NA	NA	5	4.6	NA	0.260065086	0.221
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP53										
Sample Date										
10/06/06	2180	2180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.55	
05/23/07	2400	2450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.50	
08/06/07	2400	2600	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**3**
09/05/07	2500	2700	**0.25**	0.800	**0.05**	**0.05**	**0.1**	**0.4**	**5**	**1**
10/21/07	2300	2500	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
06/03/08	2370	2420	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.722**	1.24
08/02/08	2640	2500	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.43	1.71
09/16/08	2460	2380	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.44
11/03/08	2240	2480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.13	1.73
Mean	2390	2470	0.0422	0.103	0.0500	0.0500	0.147	0.181	1.60	2.16
Median	2400	2480	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.43	1.71
St. Deviation	140	140	0.0803	0.262	0	0	0.0470	0.0930	1.30	1.41
# of values	9	9	9	9	9	9	9	9	9	7
Minimum	2180	2180	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	1
Maximum	2640	2700	0.25	0.800	0.05	0.05	0.250	0.4	5	5
% of values undetected	0%	0%	100%	89%	100%	100%	100%	89%	44%	29%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	20.85	20.56
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP54										
Sample Date										
03/17/05										
10/05/06	2720	2720	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
05/22/07	2330	2470	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.35
08/08/07	2600	2500	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**2**
09/07/07	2900	3000	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**5**
10/27/07	2800	3000	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**5**
Mean	2700	2700	0.0320	0.0320	0.0500	0.0500	0.220	0.30	0.800	3.30
Median	2720	2720	0.0500	0.0500	0.0500	0.0500	0.155	0.25	1.00	3.50
St. Deviation	200	300	0.0250	0.0250	0	0	0.170	0.19	0.300	1.90
# of values	5	5	5	5	5	5	5	5	5	4
Minimum	2330	2470	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	1.35
Maximum	2900	3000	0.05	0.05	0.05	0.05	0.5	0.5	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	80%	100%	50%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	30.95	30.52
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP56																					
Sample Date																					
10/05/06	4.93	2.87	7.61	56.3	11	177.9	0.21	3.19	12.0	20	**0.0765**	**1.57**	**4.00**	**0.050**	**0.0155**	**0.050**	**0.0060**	**0.0155**	0.797	**0.0430**	0.69
05/22/07	4.42	2.50	10.98	80.6	6	243	0.58	1.87	7.00	20	**0.1595**	**1.57**	**1.55**	**0.050**			**0.0070**		0.626	**0.0155**	0.50
08/09/07	6.25	3.46	10.27	77.3	12	180.7	1.78	**4**	14.0	**10**	**2.5**	**1**	**5**	0.23			**0.005**		**0.6**	**0.05**	**0.7**
09/04/07	7.25	7.03	8.91	73.2	16	37.4	0.18	**3.5**	18.0	40	**2.5**	**1**	**7**	0.16			**0.005**		7.7	**0.05**	**0.6**
Mean	5.71	4	9.400	71.9	11	160.0	1.00	3.1	13.0	23	1.3	1.3	4.4	0.10	0.0155	0.050	0.006	0.0155	2.431	0.040	0.62
Median	5.59	3	9.600	75.3	12	179.0	0.00	3.3	13.0	20	1.3	1.3	4.5	0.10	0.0155	0.050	0.006	0.0155	0.712	0.047	0.64
St. Deviation	1.28	2	1.500	10.8	4.0	87.00	1.00	0.9	5.0	13	1.4	0.3	2.3	0.10	NA	NA	0.001	NA	3.514	0.016	0.09
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	4	1	4	4	4
Minimum	4.42	2.5	7.61	56.3	6	37.4	0.18	1.87	7	10	0.0765	1	1.55	0.05	0.0155	0.050	0.005	0.0155	0.6	0.0155	0.50
Maximum	7.25	7.03	10.98	80.6	16	243	1.78	4	18	40	2.5	1.57	7	0.23	0.0155	0.050	0.0070	0.0155	7.7	0.05	0.7
% of values undetected	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	100%	100%	25%	50%	100%	100%	50%	100%	0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	1	0	0	3	0	0	0	2	0	1	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP57																					
Sample Date																					
10/04/06	6.73	4.42	3.66	28.2	49	115.3	0.1	19.1	50.0	33.8	**0.417**	15.0	25.0	**0.0630**	**0.0155**	**0.0520**	0.0140	**0.0155**	0.724	**0.0560**	2.55
03/27/07	6.42	1.19	8.36	59.2	53	194.7	0.11	20.6	50.0	23.8	**0.300**	**6.00**	23.0	0.150	**0.050**	0.117	0.0160	**0.0155**	0.824	**0.0380**	3.51
05/23/07	6.20	3.37	8.73	65.7	52	147.4	0.07	18.8	50.0	51.3	**0.1515**	**7.50**	24.0	0.163			**0.0040**		0.804	**0.0450**	2.59
08/08/07	7.10	2.78	6.74	49.7	50	27.8	0.08	21.0	53.0	30.0	**2.5**	**1**	23.0	**0.08**			**0.01**		**0.8**	**0.05**	**2.6**
09/07/07	6.18	3.57	4.72	35.7	28	185.3	0.07	22.0	55.0	40.0	**2.5**	**1**	25.0	**0.08**			**0.005**		**0.8**	**0.05**	**2.7**
10/24/07	6.27	4.58	2.96	23.2	53	195.9	0.06	23.0	57.0	40.0	**2.5**	**1**	24.0	**0.09**			**0.01**		**1.5**	**0.05**	**2.1**
06/03/08	7.21	2.63	8.18	60.2	31	199.1	0.1	10.8	31.0	**1.55**	1.5	**3.8**	12.4	0.142			0.0112		0.477	**0.077**	1.15
08/01/08	7.24	4.27	7.49	57.7	50	139.5	0.13	19.6	32.5	38.8	**0.1595**	**4.42**	23.8	0.0208			0.0119		0.487	**0.043**	1.94
09/17/08	6.38	3.32	7.03	52.7	87	219.9	0.16	19.9	53.2	40.0	**0.1565**	**7.24**	25.0	0.12			0.0121		0.5	**0.05**	2.23
11/02/08	6.20	3.46	6.18	46.6	54	222.9	0.1	21.0	55.3	37.5	1.09	**4.66**	25.2	**0.096**			0.01		0.595	**0.042**	2.28
Mean	6.59	3	6.410	47.9	51	164.8	0.10	19.6	49.0	33.7	1.13	5.2	23.0	0.100	0.033	0.085	0.010	0.0155	0.751	0.05	2.37
Median	6.4	3	6.890	51.2	51	190.0	0.10	20.3	52.0	38.2	0.75	4.5	24.0	0.093	0.033	0.085	0.011	0.0155	0.762	0.05	2.42
St. Deviation	0.44	1	2.010	14.4	16	59.70	0.000	3.3	9.0	13.4	1.04	4.2	4.0	0.044	0.024	0.046	0.004	0	0.299	0.011	0.61
# of values	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	10	2	10	10	10
Minimum	6.18	1.19	2.96	23.2	28	27.8	0.06	10.8	31	1.55	0.1515	1	12.4	0.0208	0.0155	0.0520	0.004	0.0155	0.477	0.038	1.15
Maximum	7.24	4.58	8.73	65.7	87	222.9	0.16	23	57	51.3	2.5	15	25.2	0.163	0.050	0.117	0.016	0.0155	1.5	0.077	3.51
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	70%	30%	0%	0%	100%	0%	10%	100%	0%	30%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	6	0	5	0	1	3	0	3	7	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	60%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP56																									
Sample Date																									
10/05/06	**0.00075**	**0.00075**			**0.050**	36.9	35.3	**0.0075**	**0.0075**	**0.155**	**0.155**	1.27		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	1040		**0.050**	**0.050**
05/22/07	**0.00075**	**0.00075**			**0.050**	24.2	24.6	**0.0250**	**0.0250** U	**0.155**	**0.155**	1.16		**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0075**	**0.0075**	577		**0.050**	
08/09/07	**0.0025**	**0.0025**			**0.025**	7.00	10.0	**0.2**	**0.2**	**0.8**	**0.25**	0.90	0.80	**0.05**	**0.05**	**20**	**20**	1.30	1.30	**0.05**	**0.05**	1400	1400	**0.05**	0.500
09/04/07	**0.0025**	**0.0025**			**0.29**	27.0	17.0	**0.2**	**0.2**	**0.25**	**0.25**	1.60	2.10	**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	1800	2100	**0.25**	**0.05**
Mean	0.0016	0.0016	NA	NA	0.1	23.8	21.7	0.108	0.108	0.34	0.2	1.23	1.45	0.031	0.031	10	10	1.08	1.08	0.03	0.03	1200	1800	0.100	0.200
Median	0.0016	0.0016	NA	NA	0.1	25.6	20.8	0.113	0.113	0.2	0.2	1.22	1.45	0.031	0.031	10	10	1.25	1.25	0.03	0.03	1220	1800	0.05	0.050
St. Deviation	0.001	0.001	NA	NA	0.1	12.4	10.8	0.106	0.106	0.31	0.05	0.29	0.92	0.022	0.022	12	12	0.38	0.38	0.02	0.02	520	500	0.100	0.260
# of values	4	4	0	0	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	2	4	3
Minimum	0.00075	0.00075	NA	NA	0.025	7.00	10.0	0.0075	0.0075	0.155	0.155	0.90	0.80	0.0125	0.0125	0.0075	0.0075	0.50	0.5	0.0075	0.0075	577	1400	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.29	36.9	35.3	0.2	0.2	0.8	0.25	1.60	2.10	0.05	0.05	20	20	1.30	1.30	0.05	0.05	1800	2100	0.25	0.5
% of values undetected	100%	100%			75%	0%	0%	100%	100%	75%	100%	0%	0%	100%	100%	100%	100%	75%	75%	100%	100%	0%	0%	100%	67%
# of values between MDL and PQL	0	0			1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.08	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.015	0.016	NA	NA	3.596174431	3.092710011
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	75%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP57																									
Sample Date																									
10/04/06	**0.00075**	**0.0030**			**0.050**	5.45	4.00	**0.0250**	**0.0250** U	**0.155**	**0.375**	2.70		**0.0125**	**0.0125**	**0.0075**	**0.0204**	**1.25**	**1.25**	**0.0185**	**0.0185**	5370	6080	**0.050**	**0.050**
03/27/07	**0.00075**	**0.00075**			**0.0155**	2.77	**1.00**	**0.0256**	**0.0214** J	**0.155**	**0.155**	2.54		**0.0125**	**0.0125**	**0.0162**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5730		0.248	0.204
05/23/07	**0.00075**	**0.00075**			**0.050**	2.73	2.24	**0.0250**	**0.0250** U	**0.155**	**0.155**	2.54		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5300	5280	0.290	0.241
08/08/07	**0.0025**	**0.0025**			**0.025**	**3**	7.00	**0.2**	**0.2**	**0.25**	**0.25**	2.80	3.30	**0.05**	**0.05**	**20**	**20**	1.30	1.60	**0.05**	**0.05**	5900	6000	**0.2**	0.500
09/07/07	**0.0025**	**0.0025**			1.51	16.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.80	3.30	**0.05**	**0.05**	**20**	**20**	1.70	1.50	**0.05**	**0.05**	6000	6300	**0.25**	**0.05**
10/24/07	**0.015**	**0.0025**			**0.025**	**5**	6.00	**0.2**	**0.2**	**0.25**	**0.25**	4.00		**0.05**	**0.05**	**20**	**20**	2.10	2.30	**0.05**	**0.05**	5800	6500	**0.25**	**0.25**
06/03/08	**0.0025**	**0.00075**			0.274	14.4	11.1	**0.0075**	**0.0075**	**0.155**	**0.155**	1.44	1.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3010	3000	**0.177**	0.349
08/01/08	**0.00075**	**0.00075**			**0.0416**	2.94		**0.0075**	**0.0159** J	**0.155**	**0.155**	2.69	2.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5530	5280	0.343	0.212
09/17/08	**0.00075**	**0.00075**			**0.050**	3.93	3.21	**0.0192**	**0.0289** J	**0.155**	**0.464**	2.75		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5580	6160	0.300	0.382
11/02/08	**0.00075**	**0.00075**			**0.050**	4.5		**0.0075**	**0.0155** J	**0.155**	**0.155**	2.74	3.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5890	6000	**0.184**	0.329
Mean	0.0027	0.0015	NA	NA	0.209	6.07	4.63	0.072	0.074	0.184	0.236	2.70	2.74	0.0238	0.0238	6.0061	6.0065	1.39	1.42	0.0214	0.0214	5410	5600	0.229	0.257
Median	0.00075	0.00075	NA	NA	0.05	4.22	3.61	0.025	0.025	0.155	0.203	2.72	3.04	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5660	6000	0.249	0.246
St. Deviation	0.0044	0.00098	NA	NA	0.463	4.92	3.28	0.089	0.087	0.046	0.108	0.61	0.75	0.0181	0.0181	9.6567	9.6564	0.29	0.34	0.0201	0.0201	870	1100	0.082	0.141
# of values	10	10	0	0	10	10	8	10	10	10	10	10	5	10	10	10	10	10	10	10	10	10	9	10	10
Minimum	0.00075	0.00075	NA	NA	0.0155	2.73	1.00	0.0075	0.0075	0.155	0.155	1.44	1.53	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3010	3000	0.050	0.05
Maximum	0.015	0.003	NA	NA	1.51	16.0	11.1	0.2	0.2	0.25	0.464	4.00	3.30	0.05	0.05	20	20	2.10	2.30	0.05	0.05	6000	6500	0.343	0.500
% of values undetected	100%	90%			70%	10%	25%	80%	60%	100%	80%	0%	0%	100%	100%	90%	90%	70%	70%	100%	100%	0%	0%	30%	30%
# of values between MDL and PQL	0	1			1	1	0	2	4	0	2	0	0	0	0	1	1	0	0	0	0	0	0	3	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.88	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.064	0.064	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP56																									
Sample Date																									
10/05/06	**0.0168**	0.0216	0.190	0.232	**19.4**	**13.9**	**0.0155**		147		0.567	0.504	**0.000987**		0.306	0.346	**0.0310**	**0.127**	70.4	112	**0.155**	**0.155**	3090	**0.0031**	**0.0031**
05/22/07	0.0546		0.182		125	95.1	**0.0155**	**0.050**	104		8.66	8.16	**0.000169**		0.0902	0.115	**0.0310**	0.243	94.3		**0.155**	**0.155**	559	**0.0100**	**0.0031**
08/09/07	**0.025**	**0.025**	**0.25**	**0.7**	50	**20**	**0.05**	**0.05**	**100**	**100**	**2.2**	**2**	**0.000169**		**1.5**	**1.4**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.05**	2000	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**300**	**300**	**0.6**	**0.9**	**0.000659**		**1.5**	**1.5**	**0.3**	**1.5**	**150**	**150**	**0.05**	**0.05**	4800	**0.025**	**0.025**
Mean	0.030	0.024	0.218	0.39	55	35.0	0.0330	0.0500	160	200	3.00	2.90	0.000496	NA	0.800	0.800	0.200	0.500	116	400	0.100	0.100	2610	0.016	0.014
Median	0.025	0.025	0.220	0.25	38	17.0	0.0330	0.0500	130	200	1.40	1.50	0.000414	NA	0.900	0.900	0.200	0.300	122	150	0.100	0.100	2550	0.018	0.014
St. Deviation	0.017	0.002	0.037	0.27	49	40.0	0.0200	0	90	140	3.80	3.60	0.000401	NA	0.800	0.700	0.200	0.600	40.0	500	0.0600	0.0600	1790	0.011	0.013
# of values	4	3	4	3	4	4	4	3	4	2	4	4	4	0	4	4	4	4	4	3	4	4	4	4	4
Minimum	0.0168	0.0216	0.182	0.232	19.4	10	0.0155	0.050	100	100	0.567	0.504	0.000169	NA	0.0902	0.115	0.0310	0.127	70.4	112	0.05	0.05	559	0.0031	0.0031
Maximum	0.0546	0.025	0.25	0.7	125	95.1	0.05	0.05	300	300	8.66	8.16	0.000987	NA	1.5	1.5	0.3	1.5	150	1000	0.155	0.155	4800	0.025	0.025
% of values undetected	50%	67%	50%	33%	25%	25%	100%	100%	25%	50%	0%	0%	50%		25%	25%	100%	50%	50%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	0	1	1	2	0	0	1	1	2	2	2		1	1	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.339	0.326	1000	1000	0.023	0.031	NA	NA	NA	NA	0.012	0.012	NA	NA	1.96	1.95	NA	NA	5	4.6	NA	0.005142176	0.004
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	33%	0%	0%	50%	100%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP57																									
Sample Date																									
10/04/06	**0.0190**	0.0230	0.288		**12.3**	**14.9**	0.147	**0.0924**	1390	1550	0.211	0.138	**0.000475**		0.129	0.136	0.258	0.277	552	633	**0.155**	**0.155**	6820	**0.0031**	**0.0031**
03/27/07	**0.0100**		0.220		**3.10**	**8.75**	0.113	**0.050**	1520		0.389		**0.000169**		0.133		0.229		567	513	**0.155**	**0.310**	6230	**0.0031**	**0.0031**
05/23/07	**0.0128**	0.0244	0.257	0.340	**16.9**	**15.8**	**0.0155**	**0.0155**	1360	1430	0.0794	0.0872	**0.000169**		0.118	0.141	**0.100**	0.211	531	537	**0.155**	**0.155**	5960	**0.0031**	**0.0031**
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1400	1400	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.1**	6000	**0.025**	**0.025**
09/07/07	**0.06**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1400	1500	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**1.5**	**500**	**600**	**0.05**	**0.05**	7200	**0.025**	**0.025**
10/24/07	**0.025**	**0.07**	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.25**	1400	1600	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**1.2**	**600**	**800**	**0.05**	**0.05**	7300	**0.05**	**0.05**
06/03/08	**0.0103**	**0.0175**	0.409		25.4	**19.9**	**0.0155**	**0.0386**	788	790	0.400	0.410	**0.0015**		0.0855	0.0804	**0.0983**		408	424	**0.155**	**0.155**	4540	**0.0031**	**0.0031**
08/01/08	**0.0131**	**0.0142**	0.229	0.259	23.7	**14.9**	**0.0155**	**0.0155**	1410	1330	0.108	0.0884	**0.00075**		0.112	0.130	0.216	0.220	560	533	**0.155**	**0.155**	6090	**0.0031**	**0.0031**
09/17/08	**0.0135**	0.0203	0.318		**15.5**	**15.4**	**0.0155**	**0.05**	1450	1620	0.0832	0.0755	**0.00075**		0.131	0.160	0.261	0.309	571	629	**0.155**	**0.155**	6790	**0.0031**	**0.0031**
11/02/08	**0.0149**	0.0264	0.279		**16.1**	21.2	**0.0155**	**0.0415**	1540	1610	0.145		**0.00151**		0.0685	0.0741	0.294		618	629	**0.155**	**0.155**	7120	**0.0031**	**0.0118**
Mean	0.020	0.0273	0.275	0.320	14.3	14.1	0.0488	0.0650	1370	1430	0.217	0.190	0.000816	NA	0.153	0.160	0.236	0.570	591	630	0.124	0.144	6410	0.012	0.013
Median	0.014	0.0244	0.254	0.259	13.9	14.9	0.0328	0.0500	1400	1500	0.231	0.190	0.000612	NA	0.130	0.141	0.260	0.300	564	615	0.155	0.155	6510	0.0031	0.0031
St. Deviation	0.015	0.0165	0.055	0.108	6.7	4.3	0.0463	0.0680	210	260	0.116	0.120	0.000788	NA	0.0700	0.0700	0.0780	0.540	155	164	0.0510	0.0730	830	0.016	0.016
# of values	10	9	10	5	10	10	10	10	10	9	10	8	10	0	10	9	10	7	10	10	10	10	10	10	10
Minimum	0.01	0.0142	0.22	0.25	3.1	8.75	0.0155	0.0155	788	790	0.0794	0.0755	0.000169	NA	0.0685	0.0741	0.0983	0.211	408	424	0.05	0.05	4540	0.0031	0.0031
Maximum	0.06	0.07	0.409	0.5	25.4	21.2	0.147	0.25	1540	1620	0.400	0.410	0.00250	NA	0.25	0.25	0.3	1.5	1000	1000	0.155	0.310	7300	0.05	0.05
% of values undetected	30%	22%	30%	40%	40%	30%	80%	60%	0%	0%	30%	38%	80%		30%	33%	40%	29%	10%	10%	100%	80%	0%	100%	90%
# of values between MDL and PQL	7	3	0	1	4	6	0	4	0	0	0	0	2		0	0	1	1	2	2	0	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.781	1.710	1000	1000	0.270	0.290	NA	NA	NA	NA	0.012	0.012	NA	NA	10.12	10.09	NA	NA	5	4.6	NA	0.144804969	0.123
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP56										
Sample Date										
10/05/06	917		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.155**	
05/22/07	531		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
08/09/07	**800**	**800**	**0.4**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/04/07	**1600**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
Mean	960	1300	0.120	0.0280	0.0500	0.0500	0.300	0.300	0.700	1.00
Median	860	1300	0.0300	0.0280	0.0500	0.0500	0.200	0.200	0.800	1.00
St. Deviation	450	600	0.190	0.0260	0	0	0.200	0.200	0.400	0
# of values	4	2	4	4	4	4	4	4	4	2
Minimum	531	800	0.0050	0.0050	0.050	0.050	0.1	0.1	0.155	1
Maximum	1600	1700	0.4	0.05	0.05	0.05	0.5	0.5	1	1
% of values undetected	0%	0%	75%	100%	100%	100%	100%	75%	100%	100%
# of values between MDL and PQL	2	2	1	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	4.48	4.42
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP57										
Sample Date										
10/04/06	2590	2980	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.50**	
03/27/07	2840		**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
05/23/07	2560	2620	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
08/08/07	2800	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
09/07/07	2900	3000	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.4**	**5**	**5**
10/24/07	2800	3200	**0.25**	**0.25**	**0.05**	**0.25**	**0.1**	**0.1**	**5**	**5**
06/03/08	1890	1920	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.488**	1.46
08/01/08	2700	2590	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.58	**0.50**
09/17/08	3050	2910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.09	
11/02/08	2990	3100	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.13	
Mean	2710	2790	0.0385	0.0385	0.0500	0.0700	0.148	0.218	1.70	2.60
Median	2800	2910	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.00	1.46
St. Deviation	330	380	0.0766	0.0766	0	0.0630	0.0440	0.130	1.80	2.20
# of values	10	9	10	10	10	10	10	10	10	5
Minimum	1890	1920	0.0050	0.0050	0.050	0.050	0.1	0.1	0.488	0.50
Maximum	3050	3200	0.25	0.25	0.05	0.25	0.250	0.5	5	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	90%	60%	80%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	23.20	22.87
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP60																					
Sample Date																					
10/06/06	4.74	4.97	7.5	59.2	17	180.8	2	4.72	15.0	26.3	2.57	**6.00**	**3.10**	**0.050**	**0.0155**	**0.0330**	**0.0080**	**0.0155**	1.09	**0.0520**	1.19
08/07/07	6.13	6.87	5.98	49.1	24	61	2.19	9.0	25.0	**10**	**10**	**1**	**14**	**0.04**			**0.01**		**0.6**	**0.05**	**1.7**
09/05/07	6.28	6.55	6.22	50.7	23	123.8	0.16	11.0	27.0	30	**2.5**	**1**	**9**	**0.05**			**0.005**		**0.7**	**0.05**	**2.1**
10/23/07	6.12	2.31	8.31	60.8	23	182.7	0.07	10.0	24.0	**10**	**12**	**1**	**8**	**0.03**			**0.005**		**0.8**	**0.05**	**1.3**
Mean	5.82	10	7.000	55.0	22	137.1	1	9.0	23.0	19	7.0	2.3	9	0.043	0.0155	0.0330	0.007	0.0155	0.80	0.051	1.57
Median	6.13	10	6.860	55.0	23	152.3	1	10.0	25.0	18	6.0	1	9	0.045	0.0155	0.0330	0.007	0.0155	0.75	0.05	1.50
St. Deviation	0.72	0	1.100	5.90	3.0	57.60	1	3	5.0	11	5.0	2.5	4	0.01	NA	NA	0.002	NA	0.21	0.001	0.41
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	4	1	4	4	4
Minimum	4.74	2.31	5.98	49.1	17	61	0.07	4.72	15	10	2.5	1	3.1	0.03	0.0155	0.0330	0.005	0.0155	0.6	0.05	1.19
Maximum	6.28	6.87	8.31	60.8	24	182.7	2.19	11	27	30	12	6.00	14	0.050	0.0155	0.0330	0.01	0.0155	1.09	0.052	2.1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	75%	25%	25%	100%	0%	50%	100%	0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	2	1	1	3	3	0	1	2	0	3	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP61																					
Sample Date																					
10/06/06	5.97	3.07	6.96	52	56	151.4	0.32	19.0	44.0	43.8	0.714	**9.75**	20.0	**0.050**	**0.0155**	**0.0435**	**0.0080**	**0.05** J	0.733	**0.0970**	3.41
05/23/07	5.94	1.70	8.27	59.3	58	92.8	0.65	18.3	46.0	52.5	1.68	**6.50**	20.0	**0.050**			0.0100		0.621	**0.0330**	2.94
08/07/07	6.31	2.58	7.55	55.4	49	47.5	0.44	24.0	59.0	40.0	**2.5**	**1**	24.0	**0.02**			**0.02**		**0.8**	**0.05**	3.80
09/05/07	6.70	3.24	7.52	56.5	58	180.7	0.16	25.0	60.0	50.0	**2.5**	**1**	26.0	**0.04**			**0.005**		**0.9**	**0.05**	4.30
10/23/07	5.85	1.70	6.43	46.1	53	127.2	0.35	23.0	60.0	40.0	**2.5**	**1**	24.0	**0.05**			**0.005**		**0.7**	**0.05**	3.80
Mean	6.15	0	7.350	53.9	55	119.9	0	22.0	54.0	45.0	2.0	3.9	23.0	0.042	0.0155	0.0435	0.0096	0.05	0.751	0.056	3.65
Median	5.97	2.58	7.520	55.4	56	127.2	0.35	23.0	59.0	43.8	2.5	1	24.0	0.050	0.0155	0.0435	0.008	0.05	0.733	0.05	3.80
St. Deviation	0.35	0	0.6900	5.10	4.0	51.80	0	3.0	8.0	6.0	0.8	4.1	3.0	0.013	NA	NA	0.0062	NA	0.105	0.024	0.51
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	5	1	5	5	5
Minimum	5.85	1.7	6.43	46.1	49	47.5	0.16	18.3	44	40.0	0.714	1	20.0	0.02	0.0155	0.0435	0.005	0.05	0.621	0.033	2.94
Maximum	6.7	3.24	8.27	59.3	58	180.7	0.65	25	60	52.5	2.5	9.75	26.0	0.050	0.0155	0.0435	0.02	0.05	0.9	0.097	4.30
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	60%	0%	40%	100%	0%	40%	0%	0%	60%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	1	2	0	3	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	80%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP60																									
Sample Date																									
10/06/06	**0.00075**	0.0020			**0.050**	101	45.0	**0.0075**	**0.0075**	**0.155**	**0.155**	3.88	3.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	1490	1690	0.108	0.106
08/07/07	**0.0025**	**0.0025**			**0.025**	41	25.0	**0.2**	**0.2**	**0.25**	**0.25**	4.30	4.70	**0.05**	**0.05**	80	**20**	1.10	1.10	**0.05**	**0.05**	2800	3000	**0.4**	**0.2**
09/05/07	**0.0025**	**0.0025**			**0.025**	27	13.0	**0.2**	**0.2**	**0.25**	**0.25**	3.90	4.70	**0.05**	**0.05**	**20**	**20**	1.40	**0.5**	**0.05**	**0.05**	2800	3500	**0.05**	**0.25**
10/23/07	**0.015**	**0.0025**			**0.025**	29	22.0	**0.2**	**0.2**	**0.25**	**0.25**	5.20	5.70	**0.05**	**0.05**	**20**	**20**	**0.5**	1.20	**0.05**	**0.05**	2600	3200	**0.25**	**0.25**
Mean	0.0052	0.0024	NA	NA	0.031	50	26.3	0.152	0.152	0.23	0.23	4.32	4.62	0.041	0.041	30	15	1.06	1	0.042	0.042	2400	2800	0.202	0.202
Median	0.0025	0.0025	NA	NA	0.025	35	23.5	0.2	0.2	0.25	0.25	4.10	4.70	0.05	0.05	20	20	1.18	1.2	0.05	0.05	2700	3100	0.179	0.225
St. Deviation	0.0066	0.0003	NA	NA	0.013	35	13.5	0.096	0.096	0.05	0.05	0.62	0.96	0.019	0.019	35	10	0.39	0.3	0.016	0.016	600	800	0.156	0.068
# of values	4	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.002	NA	NA	0.025	27	13.0	0.0075	0.0075	0.155	0.155	3.88	3.37	0.0125	0.0125	0.0075	0.0075	0.50	0.5	0.0185	0.0185	1490	1690	0.05	0.106
Maximum	0.015	0.0025	NA	NA	0.05	101	45.0	0.2	0.2	0.25	0.25	5.20	5.70	0.05	0.05	80	20	1.40	1.25	0.05	0.05	2800	3500	0.4	0.25
% of values undetected	100%	75%			100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	75%	100%	50%	50%	100%	100%	0%	0%	50%	50%
# of values between MDL and PQL	0	1			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.08	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.031	0.032	NA	NA	7.847358949	6.748728696
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	75%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP61																									
Sample Date																									
10/06/06	**0.00075**	**0.00075**			**0.050**	39.0	25.9	**0.0075**	0.0154 J	**0.155**	**0.155**	1.25		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6210	6520	0.123	0.159
05/23/07	**0.00075**	**0.00075**			**0.050**	23.3	10.3	**0.0250**	**0.0250** U	**0.155**	**0.155**	0.98		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5860	6320	0.370	0.224
08/07/07	**0.0025**	**0.0025**			**0.025**	22.0	14.0	**0.2**	**0.2**	**0.25**	**0.25**	1.00	1.50	**0.05**	**0.05**	**20**	50	1.30	1.70	**0.05**	**0.05**	7900	7900	0.700	0.600
09/05/07	**0.0025**	**0.0025**			**0.025**	20.0	6.00	**0.2**	**0.2**	**0.25**	**0.25**	0.90	1.10	**0.05**	**0.05**	**20**	**20**	1.50	1.10	**0.05**	**0.05**	7800	7900	**0.05**	**0.25**
10/23/07	**0.015**	**0.0025**			**0.025**	24.0	10.0	**0.2**	**0.2**	**0.25**	**0.25**	1.80	2.30	**0.05**	**0.05**	**20**	**20**	1.30	1.50	**0.05**	**0.05**	7200	7500	**0.25**	**0.25**
Mean	0.0043	0.0018	NA	NA	0.035	25.7	13.2	0.127	0.128	0.21	0.21	1.19	1.60	0.035	0.035	12	18	1.32	1.36	0.035	0.035	7000	7200	0.299	0.297
Median	0.0025	0.0025	NA	NA	0.025	23.3	10.3	0.2	0.2	0.25	0.25	1.00	1.50	0.05	0.05	20	20	1.30	1.25	0.05	0.05	7200	7500	0.250	0.25
St. Deviation	0.006	0.001	NA	NA	0.014	7.6	7.60	0.101	0.099	0.05	0.05	0.37	0.60	0.021	0.021	11	20	0.10	0.24	0.021	0.021	900	800	0.256	0.174
# of values	5	5	0	0	5	5	5	5	5	5	5	5	3	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.00075	0.00075	NA	NA	0.025	20.0	6.00	0.0075	0.0154	0.155	0.155	0.90	1.10	0.0125	0.0125	0.0075	0.0075	1.25	1.10	0.0075	0.0075	5860	6320	0.05	0.159
Maximum	0.015	0.0025	NA	NA	0.05	39.0	25.9	0.2	0.2	0.25	0.25	1.80	2.30	0.05	0.05	20	50	1.50	1.70	0.05	0.05	7900	7900	0.700	0.600
% of values undetected	100%	100%			100%	0%	0%	100%	80%	100%	100%	0%	0%	100%	100%	100%	80%	40%	40%	100%	100%	0%	0%	40%	40%
# of values between MDL and PQL	0	0			0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.98	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.077	0.076	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP60																									
Sample Date																									
10/06/06	0.155	0.0952	0.523	0.502	1130	221.0	**0.0588**	**0.0394**	245	284	17.7	8.58	**0.00152**		**0.0145**	**0.0145**	**0.187**	**0.183**	204	222	**0.155**	**0.155**	2940	**0.0172**	**0.0031**
08/07/07	**0.21**	**0.19**	**0.25**	**0.25**	500	250.0	**0.05**	**0.05**	**400**	**400**	33.4	31.1	**0.00111**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3400	**0.025**	**0.025**
09/05/07	**0.08**	**0.05**	**0.25**	**0.25**	230	160.0	**0.05**	**0.05**	**400**	**500**	11.7	11.3	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4300	**0.025**	**0.025**
10/23/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**400**	**500**	**0.25**	**1.2**	**0.000420**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	4300	**0.025**	**0.025**
Mean	0.120	0.09	0.318	0.313	470	160.0	0.0520	0.0470	360	420	15.8	13.0	0.00140	NA	0.190	0.190	0.270	0.270	380	170	0.0760	0.0760	3700	0.023	0.020
Median	0.120	0.073	0.25	0.25	370	190.0	0.0500	0.0500	400	450	14.7	9.90	0.00130	NA	0.250	0.250	0.300	0.300	180	150	0.0500	0.0500	3900	0.025	0.025
St. Deviation	0.080	0.073	0.137	0.126	480	110.0	0.00400	0.00500	80	100	13.8	12.8	0.000900	NA	0.120	0.120	0.0600	0.0600	420	40.0	0.0530	0.0530	700	0.0040	0.011
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.025	0.025	0.25	0.25	25	10	0.05	0.0394	245	284	0.25	1.2	0.000420	NA	0.0145	0.0145	0.187	0.183	150	150	0.05	0.05	2940	0.0172	0.0031
Maximum	0.21	0.19	0.523	0.502	1130	250.0	0.0588	0.05	400	500	33.4	31.1	0.00250	NA	0.25	0.25	0.3	0.3	1000	222	0.155	0.155	4300	0.025	0.025
% of values undetected	25%	25%	75%	75%	25%	25%	75%	75%	0%	0%	25%	0%	25%		100%	100%	75%	75%	75%	75%	100%	100%	0%	75%	100%
# of values between MDL and PQL	2	2	0	0	0	0	1	1	3	3	0	1	3		0	0	1	1	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.766	0.735	1000	1000	0.077	0.093	NA	NA	NA	NA	0.012	0.012	NA	NA	4.39	4.38	NA	NA	5	4.6	NA	0.026475373	0.023
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP61																									
Sample Date																									
10/06/06	0.106	0.0874	0.652	0.607	85.3	53.9	**0.0155**	**0.0656**	850	937	1.17	0.595	**0.00133**		**0.0414**	0.0666	0.410	0.431	645	654	**0.155**	**0.155**	5230	**0.0031**	**0.0031**
05/23/07	0.111	0.105	0.628	0.546	117	52.8	**0.0155**	0.118	881	1040	3.10	1.09	**0.00104**		0.0848	0.101	0.474		947	987	**0.155**	**0.155**	5590	**0.0031**	**0.0064**
08/07/07	**0.14**	**0.12**	**0.8**	**0.25**	100	**40**	**0.05**	**0.05**	1100	1100	3.70	**1.4**	**0.000726**		**0.25**	**0.25**	**0.3**	**0.7**	**1000**	**1000**	**0.1**	**0.2**	5900	**0.025**	**0.025**
09/05/07	**0.11**	**0.08**	**0.25**	**0.25**	50	**30**	**0.05**	**0.05**	1100	1200	**0.7**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**900**	**1000**	**0.1**	**0.1**	6700	**0.025**	**0.025**
10/23/07	**0.1**	**0.12**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	1000	1100	**0.5**	**0.5**	**0.000824**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**800**	**0.25**	**0.25**	6800	**0.025**	**0.025**
Mean	0.11	0.10	0.516	0.381	75	37.0	0.0360	0.0670	1000	1100	1.80	0.770	0.00128	NA	0.180	0.180	0.360	0.430	900	890	0.150	0.170	6000	0.016	0.017
Median	0.11	0.105	0.628	0.25	85.3	40.0	0.0500	0.0500	1000	1100	1.17	0.595	0.00104	NA	0.250	0.250	0.300	0.370	947	987	0.155	0.155	5900	0.025	0.025
St. Deviation	0.02	0.02	0.252	0.180	37	18.0	0.0190	0.0290	100	100	1.50	0.470	0.000720	NA	0.100	0.0900	0.0800	0.190	150	160	0.0600	0.0600	700	0.012	0.011
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5	5	5	4	5	5	5	5	5	5	5
Minimum	0.1	0.08	0.25	0.25	25	10	0.0155	0.05	850	937	0.5	0.25	0.000726	NA	0.0414	0.0666	0.3	0.3	645	654	0.1	0.1	5230	0.0031	0.0031
Maximum	0.14	0.12	0.8	0.607	117	53.9	0.05	0.118	1100	1200	3.70	1.4	0.00250	NA	0.25	0.25	0.474	0.7	1000	1000	0.25	0.25	6800	0.025	0.025
% of values undetected	0%	0%	40%	60%	20%	20%	100%	60%	0%	0%	0%	20%	20%		60%	60%	60%	50%	40%	20%	60%	60%	0%	100%	80%
# of values between MDL and PQL	3	3	1	0	0	2	0	1	0	0	2	2	4		1	0	0	1	1	2	2	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.200	2.112	1000	1000	0.370	0.384	NA	NA	NA	NA	0.012	0.012	NA	NA	NA	12.48	12.44	NA	NA	5	4.6	NA	0.221568876	0.188
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP60										
Sample Date										
10/06/06	1090	1120	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.700**	**0.721**	1.06	
08/07/07	**1300**	**1400**	**0.3**	**0.3**	**0.05**	**0.2**	**0.1**	**0.5**	**1**	**5**
09/05/07	**1300**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/23/07	**1200**	**1300**	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	1200	1300	0.150	0.150	0.0500	0.0880	0.250	0.360	1.00	5.00
Median	1300	1400	0.150	0.150	0.0500	0.0500	0.100	0.300	1.00	5.00
St. Deviation	100	200	0.150	0.150	0	0.0750	0.300	0.310	0	0
# of values	4	4	4	4	4	4	4	4	4	3
Minimum	1090	1120	0.0050	0.0050	0.050	0.050	0.1	0.1	1	5
Maximum	1300	1500	0.3	0.3	0.05	0.2	0.700	0.721	1.06	5
% of values undetected	0%	0%	75%	75%	100%	75%	75%	75%	75%	67%
# of values between MDL and PQL	3	3	1	1	0	1	1	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	10.04	9.90
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP61										
Sample Date										
10/06/06	1760	1890	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.729**	**0.250**	**0.50**	
05/23/07	1810	2000	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.39	
08/07/07	2200	2300	**0.05**	**0.1**	**0.05**	**0.05**	**0.3**	**0.5**	**1**	**3**
09/05/07	2100	2200	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.2**	**1**	**1**
10/23/07	2000	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	2000	2100	0.0320	0.0420	0.0500	0.0500	0.360	0.320	1.00	1.70
Median	2000	2100	0.0500	0.0500	0.0500	0.0500	0.300	0.250	1.00	1.00
St. Deviation	200	200	0.0250	0.0390	0	0	0.260	0.170	0.300	1.20
# of values	5	5	5	5	5	5	5	5	5	3
Minimum	1760	1890	0.0050	0.0050	0.050	0.050	0.1	0.155	0.50	1
Maximum	2200	2300	0.05	0.1	0.05	0.05	0.729	0.5	1.39	3
% of values undetected	0%	0%	100%	80%	100%	100%	60%	80%	80%	67%
# of values between MDL and PQL	0	0	0	1	0	0	2	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	28.60	28.20
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP62																					
Sample Date																					
03/17/05	6.78	2.87	10.3	78.2	131		1.4														
10/06/06	5.82	3.08	7.44	56	114	251.6	0.21	43.7	110	96.2	0.632	10.0	23.0	0.231	**0.0155**	0.223	0.0250	**0.05** J	0.799	0.169	30.8
05/26/07	6.01	3.1	6.65	49.6	77	205	0.13	45.6	125	92.5	**0.430**	**4.75**	16.7	0.462			0.0483		0.853	**0.0900**	35.4
08/02/07	6.35	3.08	5.79	43.3	133	59.3	1.25	47.0	132	110	**2.5**	**1**	**17**	0.400			**0.025**		**1.1**	**0.05**	35.3
09/07/07	5.86	3.04	5.9	43.9	125	185.4	0.07	47.0	128	90.0	**2.5**	**1**	**18**	0.360			**0.02**		**1.0**	**0.1**	36.1
10/21/07	5.13	2.91	6.74	50.6	106	175.3	0.04	43.0	114	90.0	**2.5**	**1**	21.0	0.290			**0.02**		**1.0**	**0.1**	29.5
08/03/08	6.57	2.95	6.36	47.2	127	207.9	0.08	42.3	74.9	80.0	**0.150**	12.2	21.0	0.431			0.0275		0.527	**0.071**	32.8
09/17/08	6.11	2.85	7.91	58.7	124	238.3	0.1	42.2	124	81.3	**0.153**	**8.3**	20.7	0.397			0.0238		0.632	**0.062**	31.3
11/02/08	5.87	2.81	7.23	53.4	69	298.7	0.1	43.0	130	87.5	**0.165**	10.7	21.7	0.439			0.0282		0.814	**0.088**	32.9
Mean	6.06	3	7.150	53.4	112	202.7	0	44	117	91.0	1.13	6	20.0	0.376	0.0155	0.223	0.027	0.05	0.841	0.091	33.0
Median	6.01	2.95	6.740	50.6	124	206.5	0.10	43	125	90.0	0.53	7	21.0	0.399	0.0155	0.223	0.025	0.05	0.834	0.089	32.9
St. Deviation	0.48	0	1.370	10.6	24	70.20	1	2	19	9.0	1.15	5	2.0	0.079	NA	NA	0.009	NA	0.194	0.036	2.4
# of values	9	9	9	9	9	8	9	8	8	8	8	8	8	8	1	1	8	1	8	8	8
Minimum	5.13	2.81	5.79	43.3	69	59.3	0.04	42.2	74.9	80.0	0.150	1	16.7	0.231	0.0155	0.223	0.02	0.05	0.527	0.05	29.5
Maximum	6.78	3.1	10.3	78.2	133	298.7	1.4	47	132	110	2.5	12.2	23.0	0.462	0.0155	0.223	0.0483	0.05	1.1	0.169	36.1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	38%	0%	0%	100%	0%	13%	100%	0%	13%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	2	0	3	6	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	78%	0%	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP63																					
Sample Date																					
03/17/05	6.78	2.87	10.3	78.2	131		1.4														
05/24/07	7.38	3.01	9.51	70.8	88	155.8	0.15	51.7	115	71.3	1.84	**1.57**	58	0.745			0.0160		0.733	**0.0610**	0.89
08/02/07	7.42	3.55	8.09	61	122	183.1	1.29	56.0	124	50.0	**2.5**	**1**	59	0.550			**0.025**		**0.9**	**0.05**	**1.0**
09/06/07	7.44	3.57	9.78	73.9	119	149.4	0.13	61.0	121	80.0	**12**	**1**	62	0.470			**0.005**		**1.0**	**0.05**	**1.0**
10/26/07	7.13	2.95	8.25	61.3	112	148.1	0.05	55.0	122	70.0	**2.5**	**1**	58	0.490			**0.02**		**0.8**	**0.05**	**0.6**
Mean	7.23	0	9.190	69.0	114	159.1	1.00	56.0	121	68.0	4.7	1.1	59	0.560	NA	NA	0.017	NA	0.858	0.053	0.87
Median	7.38	3.01	9.510	70.8	119	152.6	0.15	56.0	122	71.0	2.5	1.0	59	0.520	NA	NA	0.018	NA	0.850	0.05	0.95
St. Deviation	0.28	0	0.9700	7.70	16	16.40	1	4.0	4.0	13	4.9	0.3	2	0.130	NA	NA	0.009	NA	0.117	0.006	0.19
# of values	5	5	5	5	5	4	5	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.78	2.87	8.09	61	88	148.1	0.05	51.7	115	50.0	1.84	1	58	0.470	NA	NA	0.005	NA	0.733	0.05	0.6
Maximum	7.44	3.57	10.3	78.2	131	183.1	1.4	61	124	80.0	12	1.57	62	0.745	NA	NA	0.025	NA	1	0.061	1.0
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%	0%	0%			50%		0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	0			1		3	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP62																									
Sample Date																									
03/17/05																									
10/06/06	**0.00075**	**0.00075**			**0.050**	38.8	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	9.25	9.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	13200	13600	**0.112**	0.265
05/26/07	**0.00075**	**0.00075**			**0.0155**	3.37	**1.00**	**0.0075**	R	**0.155**	**0.155**	10.9	10.9	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13400	13200	0.278	**0.050**
08/02/07	**0.0025**	**0.0025**			**0.025**	6.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	10.8	12.1	**0.05**	**0.05**	**20**	**20**	1.80		**0.05**	**0.05**	14600	14000	**0.4**	
09/07/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	10.7	10.6	**0.05**	**0.05**	**20**	**20**	2.30	2.10	**0.05**	**0.05**	14800	13900	**0.05**	**0.05**
10/21/07	**0.0025**	**0.0025**			**0.15**	**2.5**	7.00	**0.2**	**0.2**	**0.25**	**0.25**	9.90	10.3	**0.05**	**0.05**	**20**	**20**	**0.5**	1.80	**0.05**	**0.05**	12200	12900	**0.25**	**0.25**
08/03/08	**0.00075**	**0.00075**			**0.050**	3.22	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	9.88	11.8	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12400	14500	0.303	
09/17/08	**0.00075**	**0.00075**			**0.050**	3.80	**1.00**	**0.0075**	**0.0221** J	**0.155**	**0.155**	9.58	10.4	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0162**	12400	12700	0.439	0.450
11/02/08	**0.00075**	**0.003**			**0.050**	3.27	5.19	**0.0075**	**0.0075**	**0.155**	**0.155**	9.35	9.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0159**	**0.0204**	12500	13100	0.246	0.253
Mean	0.00141	0.0017	NA	NA	0.05	7.90	2.6	0.0797	0.092	0.191	0.191	10.05	10.7	0.0266	0.0266	7.5047	7.5047	1.36	1.45	0.026	0.028	13200	13500	0.260	0.220
Median	0.00075	0.0016	NA	NA	0.05	3.30	1.8	0.0075	0.0221	0.155	0.155	9.89	10.5	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.017	0.019	12900	13400	0.264	0.252
St. Deviation	0.00091	0.001	NA	NA	0.04	12.5	2.3	0.0996	0.101	0.049	0.049	0.67	0.90	0.0194	0.0194	10.3471	10.3471	0.52	0.35	0.02	0.019	1000	600	0.131	0.151
# of values	8	8	0	0	8	8	8	8	7	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	6
Minimum	0.00075	0.00075	NA	NA	0.0155	2.5	1.00	0.0075	0.0075	0.155	0.155	9.25	9.40	0.0125	0.0125	0.0075	0.0075	0.50	1.25	0.0075	0.0075	12200	12700	0.05	0.05
Maximum	0.0025	0.003	NA	NA	0.15	38.8	7.00	0.2	0.2	0.25	0.25	10.9	12.1	0.05	0.05	20	20	2.30	2.10	0.05	0.05	14800	14500	0.439	0.450
% of values undetected	100%	88%			100%	25%	75%	100%	86%	100%	100%	0%	0%	100%	100%	100%	100%	75%	71%	88%	75%	0%	0%	25%	50%
# of values between MDL and PQL	0	1			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.05	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.143	0.135	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP63																									
Sample Date																									
03/17/05																									
05/24/07	**0.00075**	**0.00075**			**0.0155**	158	3.06	**0.0250**	**0.0250** U	**0.155**	**0.155**	4.14	3.98	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.69**	**0.0075**	**0.0075**	12400	12900	0.533	0.408
08/02/07	**0.0025**	**0.015**			**0.025**	172	13.0	**0.2**	**0.2**	**0.6**	**0.25**	3.90	4.20	**0.05**	**0.05**	**100**	**20**	2.40	2.20	**0.05**	**0.05**	14900	14000	0.800	0.900
09/06/07	**0.0025**	**0.0025**			**0.025**	62	7.00	**0.2**	**0.2**	**0.6**	**0.25**	3.40	3.20	**0.05**	**0.05**	**20**	**20**	2.40	2.40	**0.05**	**0.05**	14200	15000	**0.05**	0.600
10/26/07	**0.0025**	**0.0025**			**0.025**	7.0	6.00	**0.2**	**0.2**	**0.25**	**0.25**	4.40	4.50	**0.05**	**0.05**	**20**	**20**	2.50	2.30	**0.05**	**0.05**	14200	13700	**0.25**	**0.25**
Mean	0.0021	0.0052	NA	NA	0.023	100	7.27	0.156	0.156	0.4	0.23	3.96	3.97	0.041	0.041	35	15	2.14	2.40	0.039	0.039	13900	13900	0.408	0.540
Median	0.0025	0.0025	NA	NA	0.025	110	6.50	0.2	0.2	0.4	0.25	4.02	4.09	0.05	0.05	20	20	2.40	2.35	0.05	0.05	14200	13900	0.392	0.504
St. Deviation	0.0009	0.0066	NA	NA	0.005	79	4.17	0.088	0.088	0.2	0.05	0.43	0.56	0.019	0.019	44	10	0.59	0.21	0.021	0.021	1100	900	0.328	0.280
# of values	4	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	7	3.06	0.025	0.025	0.155	0.155	3.40	3.20	0.0125	0.0125	0.0075	0.0075	1.25	2.20	0.0075	0.0075	12400	12900	0.05	0.25
Maximum	0.0025	0.015	NA	NA	0.025	172	13.0	0.2	0.2	0.6	0.25	4.40	4.50	0.05	0.05	100	20	2.50	2.69	0.05	0.05	14900	15000	0.800	0.90
% of values undetected	100%	100%			100%	0%	0%	100%	100%	50%	100%	0%	0%	100%	100%	100%	100%	25%	0%	100%	100%	0%	0%	50%	25%
# of values between MDL and PQL	0	0			0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.21	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.167	0.156	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	25%	NA	NA	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%			0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP62																									
Sample Date																									
03/17/05																									
10/06/06	0.0308	0.0200	0.237		53.3	30.3	**0.0530**	**0.0320**	2640	2780	1.60	0.203	**0.000475**		0.155	0.191	1.61	1.68	997	1010	**0.155**	**0.155**	9950	**0.0031**	**0.0031**
05/26/07	**0.0140**	**0.0120**	0.235	0.264	**10.1**	**9.71**	**0.050**	**0.0155**	2950	2990	0.131	0.109	**0.000169**		0.119	0.106	1.96	1.91	1020	1020	**0.155**	**0.155**	12200	**0.0031**	**0.0031**
08/02/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	2900	2900	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**1.8**	**2.2**	**1000**	**1000**	**0.2**	**0.3**	11700	**0.025**	**0.025**
09/07/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	3000	2900	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**1.5**	**1.5**	**1000**	**1300**	**0.2**	**0.2**	11400	**0.025**	**0.025**
10/21/07	**0.025**	**0.025**	**0.25**	**0.7**	**10**	**10**	**0.05**	**0.05**	2600	2600	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**1.6**	**2**	**800**	**1000**	**0.25**	**0.25**	10400	**0.025**	**0.025**
08/03/08	**0.0175**	0.0202	0.210	0.273	45.3	34.4	**0.0155**	**0.0155**	2760	2980	0.193		**0.00075**		0.0945	**0.0250**	1.94	2.10	896	1040	**0.155**	**0.155**	11600	**0.0031**	**0.0031**
09/17/08	**0.0157**	**0.0165**	0.246		29.4	30.3	**0.0155**	**0.0155**	2740	2840	0.176	0.144	**0.00075**		0.122	0.153	1.83	1.84	925	974	**0.155**	**0.155**	11300	**0.0031**	**0.0031**
11/02/08	**0.019**	0.0285	0.249		31.3	37.6	**0.0155**	**0.0155**	2850	3020	0.217		**0.00075**		0.0740	0.0849	2.01	2.44	941	986	**0.155**	**0.155**	11500	**0.0031**	**0.0066**
Mean	0.022	0.022	0.241	0.347	24.9	21.5	0.0400	0.0310	2810	2880	0.380	0.200	0.000425	NA	0.160	0.160	1.78	2.00	947	1040	0.178	0.191	11300	0.011	0.012
Median	0.022	0.023	0.248	0.264	19.8	20.2	0.0500	0.0240	2810	2900	0.230	0.230	0.000322	NA	0.140	0.170	1.82	2.00	969	1010	0.155	0.155	11500	0.0031	0.0049
St. Deviation	0.006	0.005	0.014	0.197	17.6	12.6	0.0200	0.0170	140	140	0.490	0.0600	0.000288	NA	0.070	0.0900	0.190	0.300	74.0	110	0.0350	0.0560	700	0.011	0.011
# of values	8	8	8	5	8	8	8	8	8	8	8	6	8	0	8	8	8	8	8	8	8	8	8	8	8
Minimum	0.014	0.012	0.210	0.25	10	9.71	0.0155	0.0155	2600	2600	0.131	0.109	0.000169	NA	0.0740	0.0250	1.5	1.5	800	974	0.155	0.155	9950	0.0031	0.0031
Maximum	0.0308	0.0285	0.25	0.7	53.3	37.6	0.0530	0.05	3000	3020	1.60	0.25	0.00075	NA	0.25	0.25	2.01	2.44	1020	1300	0.25	0.3	12200	0.025	0.025
% of values undetected	38%	38%	38%	40%	38%	38%	88%	88%	0%	0%	38%	50%	100%		38%	50%	13%	13%	13%	13%	75%	75%	0%	100%	88%
# of values between MDL and PQL	4	2	0	1	1	1	1	1	0	0	0	0	0		0	0	2	2	2	2	2	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.467	4.288	1000	1000	1.062	0.973	NA	NA	NA	NA	0.012	0.012	NA	NA	25.16	25.08	NA	NA	5	4.6	NA	0.921630154	0.783
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP63																									
Sample Date																									
03/17/05																									
05/24/07	0.0966	0.0440	0.216	0.173	188	46.9	**0.050**	**0.050**	5010	5230	7.76	0.260	**0.000169**		0.0996	0.123	0.425	0.535	615	667	**0.155**	**0.155**	6780	**0.0031**	**0.0066**
08/02/07	**0.05**	**0.025**	**0.25**	**0.25**	210	**10**	**0.05**	**0.05**	5300	5100	5.30	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	6700	**0.025**	**0.025**
09/06/07	**0.14**	**0.025**	**0.25**	**0.25**	90	**20**	**0.05**	**0.05**	5300	5600	**2.5**	**0.25**	**0.00250**		**0.25**	**0.25**	**1.5**	**0.3**	**800**	**600**	**0.1**	**0.05**	7200	**0.025**	**0.025**
10/26/07	**0.06**	**0.025**	**0.25**	**0.25**	**10**		**0.05**	**0.25**	4900	5000	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**1100**	**500**	**0.05**	**0.05**	7200	**0.025**	**0.025**
Mean	0.087	0.030	0.24	0.23	120	26.0	0.0500	0.100	5100	5200	4.00	0.250	0.00133	NA	0.210	0.220	0.600	0.360	900	690	0.0900	0.0760	7000	0.020	0.020
Median	0.078	0.025	0.25	0.25	140	20.0	0.0500	0.0500	5200	5200	3.90	0.250	0.00133	NA	0.250	0.250	0.400	0.300	900	630	0.0800	0.0500	7000	0.025	0.025
St. Deviation	0.041	0.01	0.02	0.04	90	19.0	0	0.100	200	300	3.30	0.0100	0.00135	NA	0.0800	0.0600	0.600	0.120	200	220	0.0500	0.0530	300	0.011	0.0090
# of values	4	4	4	4	4	3	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.05	0.025	0.216	0.173	10	10	0.050	0.050	4900	5000	0.25	0.25	0.000169	NA	0.0996	0.123	0.3	0.3	615	500	0.05	0.05	6700	0.0031	0.0066
Maximum	0.14	0.044	0.25	0.25	210	46.9	0.05	0.25	5300	5600	7.76	0.260	0.00250	NA	0.25	0.25	1.5	0.535	1100	1000	0.155	0.155	7200	0.025	0.025
% of values undetected	0%	75%	75%	75%	25%	67%	100%	100%	0%	0%	25%	75%	100%		75%	75%	75%	75%	25%	25%	75%	100%	0%	100%	75%
# of values between MDL and PQL	3	0	0	0	0	0	0	0	0	0	1	0	0		0	0	0	0	2	2	1	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	5.352	5.138	1000	1000	1.391	1.232	NA	NA	NA	NA	0.012	0.012	NA	NA	30.09	30.00	NA	NA	5	4.6	NA	1.326544091	1.128
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP62										
Sample Date										
03/17/05										
10/06/06	3960	4190	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	4.97	
05/26/07	4800	4810	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	6.32	5.80
08/02/07	4700	4700	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.3**	**6**	**4**
09/07/07	4900	4700	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**5**
10/21/07	4100	4200	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**5**	**5**
08/03/08	4270	4480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.69	
09/17/08	4370	4450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.31	
11/02/08	4470	4730	**0.0050**	**0.0050**	0.409	**0.050**	**0.155**	**0.155**	6.10	6.25
Mean	4450	4530	0.0469	0.0469	0.0950	0.0500	0.150	0.220	5.50	5.20
Median	4420	4590	0.00500	0.00500	0.0500	0.0500	0.160	0.160	5.50	5.00
St. Deviation	340	240	0.0846	0.0846	0.127	0	0.0500	0.130	0.500	0.900
# of values	8	8	8	8	8	8	8	8	8	5
Minimum	3960	4190	0.0050	0.0050	0.050	0.050	0.1	0.1	4.97	4
Maximum	4900	4810	0.25	0.25	0.409	0.05	0.250	0.5	6.32	6.25
% of values undetected	0%	0%	100%	100%	88%	100%	100%	88%	25%	40%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	57.72	56.91
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP63										
Sample Date										
03/17/05										
05/24/07	2880	3040	**0.0050**	**0.0050**	**0.050**	**0.050**	1.45	1.20	**0.50**	**0.50**
08/02/07	3000	3000	**0.05**	**0.05**	**0.05**	**0.05**	1.80	1.50	**1**	**1**
09/06/07	3100	3200	**0.25**	0.600	**0.05**	**0.05**	2.10	1.80	**1**	**1**
10/26/07	2800	3000	**0.25**	**0.25**	**0.05**	**0.05**	1.50	1.20	**1**	**1**
Mean	2900	3100	0.140	0.230	0.0500	0.0500	1.70	1.40	0.900	0.900
Median	2900	3000	0.150	0.150	0.0500	0.0500	1.70	1.40	1.000	1.00
St. Deviation	100	100	0.130	0.270	0	0	0.300	0.300	0.300	0.300
# of values	4	4	4	4	4	4	4	4	4	4
Minimum	2800	3000	0.0050	0.0050	0.050	0.050	1.45	1.20	0.50	0.50
Maximum	3100	3200	0.25	0.600	0.05	0.05	2.10	1.80	1	1
% of values undetected	0%	0%	100%	75%	100%	100%	0%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	69.07	68.10
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP64																					
Sample Date																					
05/25/07	6.96	2.94	10.88	80.7	70	163.5	0.15	33.8	80.0	60.0	**0.158**	**4.50**	40	0.31			0.0401		0.756	**0.0550**	1.06
08/08/07	6.89	2.98	10.22	76	80	26.8	0.1	38.0	86.0	60.0	**2.5**	**1**	40	0.37			**0.02**		**0.9**	**0.05**	**1.0**
09/07/07	6.65	2.98	9.3	69	82	220.5	0.24	38.0	84.0	40.0	**2.5**	**1**	41	0.39			**0.01**		**0.9**	**0.05**	**1.1**
10/24/07	6.74	3.01	7.84	59	82	178.3	0.05	38.0	88.0	50.0	**2.5**	**1**	41	0.41			**0.02**		**0.8**	**0.05**	**0.7**
Mean	6.81	0	9.560	71.0	79.0	147.3	0.00	37	85.0	53.0	1.9	1.9	41	0.37	NA	NA	0.023	NA	0.839	0.051	0.97
Median	6.82	0	9.760	73.0	81.0	170.9	0.00	38	85.0	55.0	2.5	1.0	41	0.38	NA	NA	0.020	NA	0.850	0.05	1.03
St. Deviation	0.14	0	1.320	9.00	6.0	83.90	0.00	2	3.0	10.0	1.2	1.8	1	0.04	NA	NA	0.013	NA	0.073	0.003	0.18
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.65	2.94	7.84	59	70	26.8	0.05	33.8	80	40.0	0.158	1	40	0.31	NA	NA	0.01	NA	0.756	0.05	0.7
Maximum	6.96	3.01	10.88	80.7	82	220.5	0.24	38	88	60.0	2.5	4.5	41	0.41	NA	NA	0.0401	NA	0.9	0.055	1.1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	75%	0%	0%			0%		0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	0	0			3		3	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP65																					
Sample Date																					
05/25/07	7.03	2.94	10.92	81.4	128	0	0.25	53.0	120	91.3	**0.150**	**1.57**	62	0.33			0.0281		0.705	**0.0560**	3.07
08/02/07	7.25	3.00	9.82	73	136	80.4	0.14	59.0	137	60.0	**2.5**	**1**	65	0.24			**0.025**		**0.9**	**0.05**	3.10
09/06/07	6.85	3.05	9.17	68.2	127	179	0.09	60.0	135	80.0	**2.5**	**1**	66	0.25			**0.005**		**0.9**	**0.05**	3.50
10/26/07	6.83	3.06	7.6	56.6	130	151.6	0.06	59.0	135	60.0	**2.5**	**1**	65	0.24			**0.01**		**0.8**	**0.05**	**2.7**
Mean	6.99	0	9.380	69.8	130.0	103.0	0	58.0	132	73.0	1.9	1.1	64	0.26	NA	NA	0.017	NA	0.826	0.052	3.09
Median	6.94	0	9.500	70.6	129.0	116.0	0	59.0	135	70.0	2.5	1.0	65	0.25	NA	NA	0.018	NA	0.850	0.05	3.09
St. Deviation	0.2	0	1.390	10.4	4.0	80.00	0.000	3.0	8	16.0	1.2	0.3	2	0.04	NA	NA	0.011	NA	0.094	0.003	0.33
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.83	2.94	7.6	56.6	127	0	0.06	53	120	60.0	0.150	1	62	0.24	NA	NA	0.005	NA	0.705	0.05	2.7
Maximum	7.25	3.06	10.92	81.4	136	179	0.25	60	137	91.3	2.5	1.57	66	0.33	NA	NA	0.0281	NA	0.9	0.056	3.50
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			50%		0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			1		3	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP64																									
Sample Date																									
05/25/07	**0.00075**	**0.00075**			**0.0155**	**1.00**	**1.00**	**0.0250**	**0.0250** U	**0.155**	**0.155**	3.87	4.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**3.30**	**0.0075**	**0.0075**	7790	7960	0.405	0.281
08/08/07	**0.0025**	**0.0025**			**0.025**	**4**	8.00	**0.2**	**0.2**	**0.25**	**0.25**	4.30	4.90	**0.05**	**0.05**	**20**	**20**	2.20	2.60	**0.05**	**0.05**	9000	9100	0.500	0.800
09/07/07	**0.0025**	**0.0025**			**0.025**	6	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	3.90	4.60	**0.05**	**0.05**	**20**	**20**	2.60	2.80	**0.05**	**0.05**	8800	9100	**0.25**	0.600
10/24/07	**0.015**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	5.10	6.00	**0.05**	**0.05**	**20**	**20**	2.60	2.20	**0.05**	**0.05**	8500	9100	**0.25**	0.600
Mean	0.0052	0.0021	NA	NA	0.023	3.4	3.50	0.156	0.156	0.23	0.23	4.29	5.00	0.041	0.041	15	15	2.16	2.73	0.039	0.039	8500	8800	0.351	0.570
Median	0.0025	0.0025	NA	NA	0.025	3.3	2.50	0.2	0.2	0.25	0.25	4.10	4.75	0.05	0.05	20	20	2.40	2.70	0.05	0.05	8700	9100	0.328	0.600
St. Deviation	0.0066	0.0009	NA	NA	0.005	2.1	3.08	0.088	0.088	0.05	0.05	0.57	0.69	0.019	0.019	10	10	0.64	0.46	0.021	0.021	500	600	0.123	0.215
# of values	4	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	1.00	1.00	0.025	0.025	0.155	0.155	3.87	4.50	0.0125	0.0125	0.0075	0.0075	1.25	2.20	0.0075	0.0075	7790	7960	0.25	0.281
Maximum	0.015	0.0025	NA	NA	0.025	6	8.00	0.2	0.2	0.25	0.25	5.10	6.00	0.05	0.05	20	20	2.6	3.30	0.05	0.05	9000	9100	0.500	0.800
% of values undetected	100%	100%			100%	50%	75%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	25%	0%	100%	100%	0%	0%	50%	0%
# of values between MDL and PQL	0	0			0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.49	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.123	0.117	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP65																									
Sample Date																									
05/25/07	**0.00075**	**0.00075**			**0.0155**	3.14	2.58	**0.0250**	0.0518	**0.155**	**0.155**	4.76	5.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.75**	**0.0075**	**0.0075**	15200	15500	0.274	0.325
08/02/07	**0.0025**	**0.015**			**0.025**	9.00		**0.2**	**0.2**	**0.25**	**0.25**	5.10		**0.05**	**0.05**	**20**	**20**	2.60	3.60	**0.05**	**0.05**	17600	17000	0.600	0.600
09/06/07	**0.0025**	**0.0025**			**0.025**	9.00	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	5.30	5.60	**0.05**	**0.05**	**20**	**20**	3.80	3.30	**0.05**	**0.05**	18100	17400	**0.05**	**0.05**
10/26/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	6.00	6.30	**0.05**	**0.05**	**20**	**20**	2.70	3.10	**0.05**	**0.05**	18100	17300	0.700	**0.25**
Mean	0.0021	0.0052	NA	NA	0.023	5.91	2.53	0.156	0.163	0.23	0.23	5.29	5.84	0.041	0.041	15	15	2.59	3.19	0.039	0.039	17300	16800	0.406	0.306
Median	0.0025	0.0025	NA	NA	0.025	6.07	2.5	0.2	0.2	0.25	0.25	5.20	5.63	0.05	0.05	20	20	2.65	3.20	0.05	0.05	17900	17200	0.437	0.288
St. Deviation	0.0009	0.0066	NA	NA	0.005	3.58	0.05	0.088	0.074	0.05	0.05	0.52	0.40	0.019	0.019	10	10	1.04	0.36	0.021	0.021	1400	900	0.299	0.228
# of values	4	4	0	0	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	2.5	2.5	0.025	0.0518	0.155	0.155	4.76	5.60	0.0125	0.0125	0.0075	0.0075	1.25	2.75	0.0075	0.0075	15200	15500	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.025	9.00	2.58	0.2	0.2	0.25	0.25	6.00	6.30	0.05	0.05	20	20	3.80	3.60	0.05	0.05	18100	17400	0.700	0.600
% of values undetected	100%	100%			100%	25%	67%	100%	75%	100%	100%	0%	0%	100%	100%	100%	100%	25%	0%	100%	100%	0%	0%	25%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.24	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.171	0.160	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	25%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP64																									
Sample Date																									
05/25/07	**0.0172**	**0.0190**	**0.050**	0.182	20.8	21.9	**0.050**	**0.0155**	3490	3640	0.0526	0.0890	**0.000169**		0.173	0.190	0.201	0.254	651	678	**0.155**	**0.155**	8570	**0.0031**	**0.0031**
08/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	3700	3600	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.1**	8500	**0.025**	**0.025**
09/07/07	**0.06**	**0.025**	**0.25**	**0.25**	70	**10**	**0.05**	**0.05**	3700	3700	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**700**	**600**	**0.05**	**0.1**	8600	**0.025**	**0.025**
10/24/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	3500	3700	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**800**	**0.05**	**0.05**	9200	**0.025**	**0.025**
Mean	0.032	0.024	0.2	0.23	28	13.0	0.0500	0.0410	3600	3700	0.200	0.210	0.00133	NA	0.230	0.240	0.280	0.290	840	770	0.0760	0.100	8700	0.020	0.020
Median	0.025	0.025	0.25	0.25	15	10.0	0.0500	0.0500	3600	3700	0.250	0.250	0.00133	NA	0.250	0.250	0.300	0.300	850	740	0.0500	0.100	8600	0.025	0.025
St. Deviation	0.019	0.003	0.1	0.03	29	6.0	0	0.0170	100	0	0.100	0.0800	0.00135	NA	0.0400	0.0300	0.0500	0.0200	190	170	0.0530	0.0400	300	0.011	0.011
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.0172	0.019	0.05	0.182	10	10	0.050	0.0155	3490	3600	0.0526	0.0890	0.000169	NA	0.173	0.190	0.201	0.254	651	600	0.05	0.05	8500	0.0031	0.0031
Maximum	0.06	0.025	0.25	0.25	70	21.9	0.05	0.05	3700	3700	0.25	0.25	0.00250	NA	0.25	0.25	0.3	0.3	1000	1000	0.155	0.155	9200	0.025	0.025
% of values undetected	50%	75%	100%	75%	50%	75%	100%	100%	0%	0%	75%	75%	100%		75%	75%	75%	75%	50%	25%	100%	50%	0%	100%	100%
# of values between MDL and PQL	2	1	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	2	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.751	3.601	1000	1000	0.819	0.775	NA	NA	NA	NA	0.012	0.012	NA	NA	21.16	21.10	NA	NA	5	4.6	NA	0.648532369	0.551
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP65																									
Sample Date																									
05/25/07	0.0238	0.0270	0.120	0.205	46.0	36.0	**0.0155**	**0.050**	3690	3490	0.0598		**0.000169**		0.171	0.191	0.408	0.356	405	442	**0.155**	**0.155**	6040	**0.0031**	**0.0031**
08/02/07	**0.025**	**0.025**	**0.7**	**0.25**	**10**	**10**	**0.05**	**0.3**	3800	3900	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.1**	6700	**0.025**	**0.025**
09/06/07	**0.05**	**0.025**	**0.25**	**0.25**	160	**10**	**0.05**	**0.05**	4100	4000	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**700**	**0.05**	**0.1**	6900	**0.025**	**0.025**
10/26/07	**0.06**	**0.025**	**0.25**	**0.6**	**25**	**10**	**0.05**	**0.25**	3900	3900	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.7**	**0.3**	**700**	**500**	**0.05**	**0.05**	7000	**0.025**	**0.025**
Mean	0.040	0.026	0.33	0.33	60	17.0	0.0410	0.160	3900	3800	0.200	0.250	0.000169	NA	0.230	0.240	0.430	0.31	650	450	0.0760	0.100	6700	0.020	0.020
Median	0.038	0.025	0.25	0.25	36	10.0	0.0500	0.150	3900	3900	0.250	0.250	0.000169	NA	0.250	0.250	0.350	0.300	600	470	0.0500	0.100	6800	0.025	0.025
St. Deviation	0.018	0.001	0.25	0.18	68	13.0	0.0170	0.130	200	200	0.100	0.0	0	NA	0.0400	0.0300	0.190	0.0300	260	230	0.0530	0.0400	400	0.011	0.011
# of values	4	4	4	4	4	4	4	4	4	4	4	3	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.0238	0.025	0.12	0.205	10	10	0.0155	0.050	3690	3490	0.0598	0.25	0.000169	NA	0.171	0.191	0.3	0.3	405	150	0.05	0.05	6040	0.0031	0.0031
Maximum	0.06	0.027	0.7	0.6	160	36.0	0.05	0.3	4100	4000	0.25	0.25	0.000169	NA	0.25	0.25	0.7	0.356	1000	700	0.155	0.155	7000	0.025	0.025
% of values undetected	25%	75%	50%	50%	50%	75%	100%	75%	0%	0%	75%	100%	100%		75%	75%	50%	75%	25%	25%	100%	50%	0%	100%	100%
# of values between MDL and PQL	2	0	1	1	0	0	0	1	0	0	0	0	0		0	0	1	0	2	2	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	5.501	5.281	1000	1000	1.449	1.276	NA	NA	NA	NA	0.012	0.012	NA	NA	30.92	30.83	NA	NA	5	4.6	NA	1.401950417	1.192
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP64										
Sample Date										
05/25/07	2810	3020	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.25	
08/08/07	3000	3000	**0.4**	**0.4**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**2**
09/07/07	3000	3100	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.3**	**1**	**5**
10/24/07	2900	3100	**0.05**	**0.25**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	2900	3100	0.180	0.200	0.0500	0.0500	0.210	0.26	1.10	2.70
Median	3000	3100	0.150	0.300	0.0500	0.0500	0.130	0.23	1.00	2.00
St. Deviation	100	100	0.180	0.200	0	0	0.190	0.18	0.100	2.10
# of values	4	4	4	4	4	4	4	4	4	3
Minimum	2810	3000	0.0050	0.0050	0.050	0.050	0.1	0.1	1	1
Maximum	3000	3100	0.4	0.4	0.05	0.05	0.5	0.5	1.25	5
% of values undetected	0%	0%	75%	75%	100%	100%	100%	75%	75%	67%
# of values between MDL and PQL	0	0	1	1	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	48.55	47.87
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP65										
Sample Date										
05/25/07	5070	4760	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.34	
08/02/07	5400	5300	**0.05**	**0.05**	**0.05**	**0.05**	**0.4**	**0.3**	**1**	**7**
09/06/07	5700	5400	0.700	0.800	**0.05**	**0.05**	**0.3**	**0.4**	**1**	**5**
10/26/07	5400	5200	**0.05**	**0.05**	**0.25**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	5400	5200	0.201	0.226	0.100	0.0500	0.340	0.340	1.10	4.30
Median	5400	5300	0.0500	0.0500	0.0500	0.0500	0.350	0.350	1.00	5.00
St. Deviation	300	300	0.333	0.383	0.100	0	0.150	0.150	0.200	3.10
# of values	4	4	4	4	4	4	4	4	4	3
Minimum	5070	4760	0.0050	0.0050	0.050	0.050	0.155	0.155	1	1
Maximum	5700	5400	0.700	0.800	0.25	0.05	0.5	0.5	1.34	7
% of values undetected	0%	0%	75%	75%	100%	100%	50%	50%	75%	67%
# of values between MDL and PQL	0	0	0	0	0	0	2	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	70.97	69.98
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP66																					
Sample Date																					
05/25/07	6.89	2.25	10.28	74.8	94	78.8	0.19	97.9	190	133	**0.612**	**1.57**	102	0.595			0.0272		0.765	**0.0790**	1.80
08/02/07	7.12	3.17	9.12	68.3	227	62.5	0.34	110.0	221	130	**2.5**	**1**	113	0.730			**0.025**		**1.1**	**0.05**	**1.6**
09/06/07	6.75	3.15	8.76	65.4	204	181.3	0.17	114.0	222	130	**2.5**	**1**	116	0.810			**0.005**		**0.9**	**0.05**	**1.7**
10/27/07	6.65	2.61	9.11	67.2	202	167.7	0.09	112.0	214	120	**2.5**	**1**	109	0.590			**0.005**		**0.8**	**0.05**	**1.3**
06/03/08	6.42	2.15	8.7	63.3	206	270.1	0.07	102.0	221	116	**0.1505**	12.1	112	0.755			**0.0098**		0.603	0.104	1.49
08/03/08	7.07	2.67	10.02	73.9	130	167.4	0.07	96.8	121	113	**0.8**	**8.16**	112	0.978			0.0109		0.553	**0.06**	1.28
09/16/08	6.77	2.65	9.52	70.2	212	229	0.12	104.0	219	126	**0.153**	11.6	112	0.951			**0.0093**		0.619	**0.075**	1.22
11/03/08	6.89	2.48	9.14	67	206	217.7	0.12	97.3	222	113	**0.150**	**9.82**	107	0.704			**0.0098**		0.589	**0.061**	1.38
Mean	6.82	0	9.330	68.8	185	171.8	0	104.0	204	123	1.17	5.78	110	0.764	NA	NA	0.013	NA	0.741	0.066	1.47
Median	6.83	0	9.130	67.8	205	174.5	0	103.0	220	123	0.71	4.87	112	0.743	NA	NA	0.010	NA	0.692	0.061	1.44
St. Deviation	0.23	0	0.5700	4.00	47	71.50	0.000	7.0	35	8	1.13	5.1	4	0.145	NA	NA	0.009	NA	0.189	0.019	0.21
# of values	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0	8	0	8	8	8
Minimum	6.42	2.15	8.7	63.3	94	62.5	0.07	96.8	121	113	0.150	1	102	0.590	NA	NA	0.005	NA	0.553	0.05	1.22
Maximum	7.12	3.17	10.28	74.8	227	270.1	0.34	114	222	133	2.5	12.1	116	0.978	NA	NA	0.0272	NA	1.1	0.104	1.80
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	50%	0%	0%			38%		0%	38%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	2	0	0			3		3	4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP67																					
Sample Date																					
05/25/07	7.00	1.70	10.94	79.6	110	157.7	0.13	59.9	130	92.5	**0.1665**	**1.57**	68	0.50			0.0413		0.756	**0.0490**	1.82
08/02/07	7.17	3.29	7.02	52.8	136	208.4	0.16	64.0	142	70.0	**2.5**	**1**	68	0.40			**0.025**		**0.9**	**0.05**	**1.8**
09/06/07	6.77	3.04	9.6	71.4	132	221.3	0.07	67.0	140	90.0	**2.5**	**1**	71	0.57			**0.01**		**1.0**	**0.05**	**1.9**
10/27/07	6.38	1.89	9.3	67.1	134	133.8	0.08	63.0	137	80.0	**2.5**	**1**	66	0.43			**0.02**		**0.8**	**0.05**	**1.6**
Mean	6.83	0	9.200	67.7	128	180.3	0	63.0	137	83.0	1.9	1.1	68	0.47	NA	NA	0.02	NA	0.864	0.050	1.78
Median	6.89	0	9.500	69.3	133	183.1	0	64.0	139	85.0	2.5	1.0	68	0.46	NA	NA	0.02	NA	0.85	0.05	1.81
St. Deviation	0.34	0	1.600	11.2	12	41.40	0.000	3.0	5	10	1.2	0.3	2	0.08	NA	NA	0.01	NA	0.109	0.001	0.13
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.38	1.7	7.02	52.8	110	133.8	0.07	59.9	130	70.0	0.1665	1	66	0.40	NA	NA	0.01	NA	0.756	0.049	1.6
Maximum	7.17	3.29	10.94	79.6	136	221.3	0.16	67	142	92.5	2.5	1.57	71	0.57	NA	NA	0.0413	NA	1	0.05	1.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			25%		0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			2		3	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP66																									
Sample Date																									
05/25/07	**0.00075**	**0.00075**			**0.0155**	8.30	2.67	**0.0075**	**0.0250** U	**0.155**	**0.155**	17.8	17.5	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.62**	**3.92**	**0.0075**	**0.0150**	22500	22000	0.374	0.227
08/02/07	**0.0025**	**0.0025**			**0.025**	9.00		**0.2**	**0.2**	**0.25**	**0.25**	19.3	21.0	**0.05**	**0.05**	**20**	**20**	3.10		**0.05**	**0.05**	26500	25800	0.700	0.600
09/06/07	**0.0025**	**0.0025**			**0.025**	11.0	9.00	**0.2**	**0.2**	**0.25**	**0.25**	19.1	19.9	**0.05**	**0.05**	**20**	**20**	3.30	3.10	**0.05**	**0.05**	26300	26800	**0.05**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	**5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	18.5	19.5	**0.05**	**0.05**	**20**	**20**	3.20	2.90	**0.05**	**0.05**	25700	26500	**0.25**	**0.25**
06/03/08	**0.00075**	**0.00075**			0.147	4.29	3.45	**0.0075**	**0.0075**	**0.155**	**0.155**	17.8	18.3	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	22900	23300	0.257	
08/03/08	**0.00075**	**0.00075**			**0.050**	**1.00**	2.36	**0.0075**	**0.0075**	**0.155**	**0.155**	17.5	19.4	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	22300	24700	0.456	0.517
09/16/08	**0.0025**	**0.00075**			**0.050**	**1.91**	**1.15**	**0.0075**	**0.0075**	**0.155**	**0.155**	17.9	18.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**3.52**	**0.0075**	**0.0075**	23900	23100	0.398	0.406
11/03/08	**0.00075**	**0.00075**			**0.050**	**1.00**	2.3	**0.0075**	**0.0075**	**0.155**	**0.155**	18.0	17.3	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	23000	23000	**0.146**	0.234
Mean	0.0016	0.00141	NA	NA	0.048	5.19	3.35	0.0797	0.082	0.191	0.191	18.2	18.9	0.0266	0.0266	7.5047	7.5047	2.15	2.46	0.0234	0.024	24100	24400	0.329	0.355
Median	0.0016	0.00075	NA	NA	0.038	4.65	2.5	0.0075	0.016	0.155	0.155	18.0	18.9	0.0125	0.0125	0.0075	0.0075	1.94	2.90	0.0075	0.011	23500	24000	0.316	0.25
St. Deviation	0.0009	0.00091	NA	NA	0.042	3.87	2.58	0.0996	0.098	0.049	0.049	0.7	1.30	0.0194	0.0194	10.3471	10.3471	0.98	1.17	0.022	0.021	1800	1800	0.201	0.154
# of values	8	8	0	0	8	8	7	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	7
Minimum	0.00075	0.00075	NA	NA	0.0155	1.00	1.15	0.0075	0.0075	0.155	0.155	17.5	17.3	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	22300	22000	0.05	0.227
Maximum	0.0025	0.0025	NA	NA	0.147	11.0	9.00	0.2	0.2	0.25	0.25	19.3	21.0	0.05	0.05	20	20	3.30	3.92	0.05	0.05	26500	26800	0.700	0.600
% of values undetected	100%	100%			88%	38%	14%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	50%	43%	100%	88%	0%	0%	25%	29%
# of values between MDL and PQL	0	0			0	1	1	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.67	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.265	0.240	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP67																									
Sample Date																									
05/25/07	**0.00075**	**0.00075**			**0.0155**	5.42	**1.00**	0.101	0.0506	**0.155**	**0.155**	10.9	11.4	**0.0125**	**0.0125**	0.0546	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	14300	14300	0.337	0.240
08/02/07	**0.0025**	**0.015**			**0.025**	**2.5**		**0.2**	**0.2**	**0.25**	**0.25**	10.5		**0.05**	**0.05**	**20**	**20**	2.00		**0.05**	**0.05**	16600	15700	0.500	0.900
09/06/07	**0.0025**	**0.0025**			**0.025**	7.00	8.00	**0.2**	**0.2**	**0.25**	**0.25**	10.7	11.1	**0.05**	**0.05**	**20**	**20**	3.00	2.40	**0.05**	**0.05**	15800	16600	**0.05**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	**2.5**	7.00	**0.2**	**0.2**	**0.25**	**0.25**	11.1	10.9	**0.05**	**0.05**	**20**	**20**	2.30	2.80	**0.05**	**0.05**	15900	15700	0.600	**0.25**
Mean	0.0021	0.0052	NA	NA	0.023	4.36	5.33	0.175	0.163	0.23	0.23	10.8	11.1	0.041	0.041	15	15	2.14	2.15	0.039	0.039	15700	15600	0.372	0.410
Median	0.0025	0.0025	NA	NA	0.025	3.96	7.00	0.2	0.2	0.25	0.25	10.8	11.1	0.05	0.05	20	20	2.15	2.40	0.05	0.05	15900	15700	0.419	0.250
St. Deviation	0.0009	0.0066	NA	NA	0.005	2.24	3.79	0.05	0.075	0.05	0.05	0.3	0.30	0.019	0.019	10	10	0.72	0.80	0.021	0.021	1000	1000	0.240	0.327
# of values	4	4	0	0	4	4	3	4	4	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	2.5	1.00	0.101	0.0506	0.155	0.155	10.5	10.9	0.0125	0.0125	0.0546	0.0075	1.25	1.25	0.0075	0.0075	14300	14300	0.05	0.24
Maximum	0.0025	0.015	NA	NA	0.025	7	8.00	0.2	0.2	0.25	0.25	11.1	11.4	0.05	0.05	20	20	3.00	2.80	0.05	0.05	16600	16600	0.600	0.900
% of values undetected	100%	100%			100%	50%	33%	75%	75%	100%	100%	0%	0%	100%	100%	75%	100%	25%	33%	100%	100%	0%	0%	25%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.72	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.186	0.173	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	25%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP66																									
Sample Date																									
05/25/07	0.0516	0.0504	0.202	0.275	78.9	65.4	**0.0155**	**0.0155**	10200	10200	4.29	2.57	**0.000169**		0.0806	0.102	0.630	0.657	708	741	**0.155**	**0.155**	7430	**0.0031**	**0.0031**
08/02/07	**0.025**	0.08	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	11100	11000	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	0.7	**1000**	**1000**	**0.05**	0.1	8100	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	11200	11500	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	700	900	**0.05**	**0.05**	8500	**0.025**	**0.025**
10/27/07	0.1	0.06	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	10300	11100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	1	**0.3**	1000	800	**0.05**	**0.05**	8900	**0.05**	**0.025**
06/03/08	0.0261	0.0303	0.0979		55.2	51.8	**0.0155**	0.0333	10800	11000	0.764	0.570	**0.00075**		**0.0075**	0.025	0.421		689	714	**0.155**	**0.155**	8060	**0.0031**	**0.0031**
08/03/08	0.0355	0.0309	**0.050**		81.3	53.7	**0.0155**	**0.0155**	9980	10100	0.113		**0.00075**		**0.0250**	**0.0075**	0.672	0.598	670	760	**0.155**	**0.155**	7940	**0.0031**	**0.0031**
09/16/08	0.0265	0.033	1.130	0.22	46.5	49.2	0.0635	**0.0155**	10800	10100	0.0966	0.0632	**0.00075**		0.0589	0.0990	0.494	0.606	723	707	**0.155**	**0.155**	7690	**0.0031**	**0.0031**
11/03/08	0.0317	0.037	0.223		62.4	55.7	0.0532	**0.0155**	9690	10400	0.0909	0.0894	**0.00075**		0.0840	**0.0075**	0.622		701	719	**0.155**	**0.155**	8150	**0.0031**	0.0071
Mean	0.0402	0.043	0.307	0.25	44.3	38.2	0.0392	0.0557	10500	10700	0.763	0.580	0.000460	NA	0.126	0.120	0.550	0.530	774	793	0.116	0.122	8100	0.014	0.012
Median	0.0291	0.035	0.237	0.25	50.9	50.5	0.0500	0.0244	10600	10700	0.250	0.250	0.000460	NA	0.0820	0.100	0.560	0.600	705	751	0.155	0.155	8080	0.0031	0.0051
St. Deviation	0.0258	0.019	0.341	0.02	30.6	23.8	0.0201	0.0800	500	500	1.44	0.890	0.000310	NA	0.106	0.110	0.230	0.180	140	105	0.0540	0.0480	450	0.017	0.011
# of values	8	8	8	5	8	8	8	8	8	8	8	7	8	0	8	8	8	6	8	8	8	8	8	8	8
Minimum	0.025	0.025	0.050	0.22	10	10	0.0155	0.0155	9690	10100	0.0909	0.0632	0.000169	NA	0.0075	0.0075	0.3	0.3	670	707	0.05	0.05	7430	0.0031	0.0031
Maximum	0.1	0.08	1.130	0.275	81.3	65.4	0.0635	0.25	11200	11500	4.29	2.57	0.00075	NA	0.25	0.25	1	0.7	1000	1000	0.155	0.155	8900	0.05	0.025
% of values undetected	25%	13%	50%	60%	38%	38%	75%	88%	0%	0%	38%	43%	100%		63%	63%	25%	33%	13%	13%	100%	88%	0%	100%	88%
# of values between MDL and PQL	1	2	1	0	0	0	2	1	0	0	0	0	0		0	1	1	1	2	2	0	1	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	9.087	8.724	1000	1000	3.060	2.434	NA	NA	NA	NA	0.012	0.012	NA	NA	50.82	50.67	NA	NA	5	4.6	NA	3.849947558	3.272
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP67																									
Sample Date																									
05/25/07	0.0320	0.0304	0.373	0.235	54.1	33.8	0.192	**0.0155**	5860	5300	0.424	0.156	**0.000169**		0.0802	0.0896	0.453	0.364	1310	1250	**0.155**	**0.155**	9150	**0.0031**	**0.0031**
08/02/07	**0.025**	0.05	**0.25**	**0.25**	**10**		**0.05**		6100	6000	**0.25**	0.8	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	0.1	10700	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	5900	6300	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**1.5**	1400	1400	**0.05**	**0.05**	9700	**0.025**	**0.025**
10/27/07	0.06	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	5700	5800	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	0.6	**0.3**	1300	1300	**0.05**	**0.05**	11200	**0.025**	**0.025**
Mean	0.036	0.033	0.281	0.246	21	18.0	0.0860	0.0390	5900	5900	0.290	0.360	0.00133	NA	0.210	0.210	0.410	0.600	1300	1200	0.0760	0.0900	10190	0.020	0.020
Median	0.029	0.028	0.25	0.25	10	10.0	0.0500	0.0500	5900	5900	0.250	0.250	0.00133	NA	0.250	0.250	0.380	0.300	1300	1300	0.0500	0.0800	10200	0.025	0.025
St. Deviation	0.017	0.012	0.062	0.008	22	14.0	0.0710	0.0200	200	400	0.0900	0.290	0.00135	NA	0.0800	0.0800	0.140	0.600	200	200	0.0530	0.0500	930	0.011	0.011
# of values	4	4	4	4	4	3	4	3	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.025	0.025	0.25	0.235	10	10	0.05	0.0155	5700	5300	0.25	0.156	0.000169	NA	0.0802	0.0896	0.3	0.3	1000	1000	0.05	0.05	9150	0.0031	0.0031
Maximum	0.06	0.05	0.373	0.25	54.1	33.8	0.192	0.05	6100	6300	0.424	0.8	0.00250	NA	0.25	0.25	0.6	1.5	1400	1400	0.155	0.155	11200	0.025	0.025
% of values undetected	50%	50%	75%	75%	75%	67%	75%	100%	0%	0%	75%	50%	100%		75%	75%	50%	75%	25%	25%	100%	75%	0%	100%	100%
# of values between MDL and PQL	1	1	0	0	0	0	0	0	0	0	0	1	0		0	0	1	0	2	2	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	6.061	5.818	1000	1000	1.673	1.447	NA	NA	NA	NA	0.012	0.012	NA	NA	34.03	33.93	NA	NA	5	4.6	NA	1.70353292	1.448
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP66										
Sample Date										
05/25/07	3920	4050	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.14	
08/02/07	4400	4400	**0.4**	0.600	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/06/07	4300	4500	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/27/07	4100	4400	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
06/03/08	4180	4340	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.491**	1.27
08/03/08	4020	4110	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
09/16/08	4270	4070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.53	1.91
11/03/08	3840	4290	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.41	1.49
Mean	4130	4270	0.0656	0.0906	0.0500	0.0500	0.134	0.134	1.00	2.60
Median	4140	4320	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.00	1.70
St. Deviation	190	170	0.137	0.207	0	0	0.0280	0.0280	0.400	1.90
# of values	8	8	8	8	8	8	8	8	8	6
Minimum	3840	4050	0.0050	0.0050	0.050	0.050	0.1	0.1	0.491	1
Maximum	4400	4500	0.4	0.600	0.05	0.05	0.155	0.155	1.53	5
% of values undetected	0%	0%	88%	88%	100%	100%	100%	100%	50%	50%
# of values between MDL and PQL	0	0	1	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	116.74	115.10
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP67										
Sample Date										
05/25/07	3680	3450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.12	2.69
08/02/07	3900	4000	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.2**	**1**	11.0
09/06/07	3900	4200	**0.05**	**0.05**	**0.05**	**0.05**	**0.2**	**0.3**	**1**	**5**
10/27/07	3700	3900	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	3800	3900	0.0390	0.0390	0.0500	0.0500	0.240	0.290	1.30	5.00
Median	3800	4000	0.0500	0.0500	0.0500	0.0500	0.180	0.250	1.00	4.00
St. Deviation	100	300	0.0230	0.0230	0	0	0.180	0.150	0.600	4.00
# of values	4	4	4	4	4	4	4	4	4	4
Minimum	3680	3450	0.0050	0.0050	0.050	0.050	0.1	0.155	1	1
Maximum	3900	4200	0.05	0.05	0.05	0.05	0.5	0.5	2.12	11.0
% of values undetected	0%	0%	100%	100%	100%	100%	75%	50%	75%	50%
# of values between MDL and PQL	0	0	0	0	0	0	1	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	78.12	77.03
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP68																					
Sample Date																					
05/25/07	6.35	3.31	11.44	86.1	52	181.3	0.42	22.5	55.0	43.8	3.52	**1.57**	28	0.13			0.0267		0.857	**0.0410**	0.71
08/02/07	6.93	3.41	7.61	57.6	58	184.9	2.1	24.0	58.0	20.0	**2.5**	**1**	27	0.20			**0.005**		**1.3**	**0.05**	**0.7**
09/06/07	6.18	3.08	10.11	75.3	33	181.7	0.1	25.0	60.0	30.0	**2.5**	**1**	29	0.22			**0.005**		**1.1**	**0.05**	**0.7**
10/26/07	6.56	2.89	7.71	57.2	54	163	0.08	21.0	55.0	40.0	**2.5**	**1**	26	0.24			**0.005**		**0.9**	**0.05**	**0.25**
Mean	6.51	0	9.220	69.1	49	177.7	1.00	23.0	57.0	33.0	2.8	1.1	28	0.2	NA	NA	0.010	NA	1.039	0.048	0.6
Median	6.46	0	8.910	66.5	53	181.5	0.00	23.0	57.0	35.0	2.5	1	28	0.21	NA	NA	0.005	NA	1.000	0.05	0.7
St. Deviation	0.32	0	1.880	14.2	11	9.900	1.0	2.0	2.0	11.0	0.5	0.3	1	0.05	NA	NA	0.011	NA	0.204	0.005	0.2
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.18	2.89	7.61	57.2	33	163	0.08	21	55	20.0	2.5	1	26	0.13	NA	NA	0.005	NA	0.857	0.041	0.25
Maximum	6.93	3.41	11.44	86.1	58	184.9	2.1	25	60	43.8	3.52	1.57	29	0.24	NA	NA	0.0267	NA	1.3	0.05	0.713
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	100%	0%	0%			75%		0%	75%	25%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		3	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP69																					
Sample Date																					
05/25/07	7.02	2.04	9.86	71.4	178	195.5	0.14	77.4	170	128	**0.1515**	**1.57**	80.0	0.279			0.100		0.822	**0.0780**	12.7
08/02/07	7.03	2.16	7.1	52.7	175	214.5	0.42	81	186	110	**2.5**	**1**	79.0	1.13			0.060		**1.0**	**0.05**	12.1
09/08/07	7.01	2.21	7.99	58.2	178	188.7	0.14	81	184	120	**2.5**	**1**	81.0	0.260			0.060		**1.0**	**0.05**	12.3
10/27/07	6.65	1.99	8.1	58.4	16	120.5	0.06	87	185	140	**2.5**	**1**	79.0	0.280			0.050		**0.8**	**0.05**	11.7
Mean	6.93	0.00	8.30	60.2	137.0	179.8	0	82	181	120	1.9	1.10	80.0	0.490	NA	NA	0.067	NA	0.900	0.06	12.2
Median	7.02	0.00	8.00	58.3	177.0	192.1	0	81	185	120	2.5	1.00	80.0	0.280	NA	NA	0.060	NA	0.900	0.05	12.2
St. Deviation	0.190	0.000	1.20	7.90	81.0	41.0	0	4	8	10	1.2	0.300	1.0	0.430	NA	NA	0.022	NA	0.100	0.01	0.400
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.65	1.99	7.1	52.7	16	120.5	0.06	77.4	170	110	0.1515	1	79.0	0.260	NA	NA	0.050	NA	0.8	0.05	11.7
Maximum	7.03	2.21	9.86	71.4	178	214.5	0.42	87	186	140	2.5	1.57	81.0	1.13	NA	NA	0.100	NA	1.0	0.0780	12.7
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			0%		0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		3	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP68																									
Sample Date																									
05/25/07	**0.00075**	**0.00075**			**0.0155**	107	2.68	0.0548	**0.0250** U	**0.155**	**0.155**	5.70	5.42	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6040	6540	0.500	0.209
08/02/07	**0.0025**	0.015			**0.025**	12	16.0	**0.2**	**0.2**	**0.25**	**0.25**	4.60	5.40	**0.05**	**0.05**	**20**	**20**	1.50		**0.05**	**0.05**	6500	6700	0.600	0.600
09/06/07	**0.0025**	**0.0025**			**0.025**	15	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	4.90	5.00	**0.05**	**0.05**	**20**	**20**	2.60	2.10	**0.05**	**0.05**	6900	6900	**0.05**	**0.05**
10/26/07	**0.0025**	**0.0025**			**0.025**	36	9.00	**0.2**	**0.2**	**0.25**	**0.25**	5.30	5.20	**0.05**	**0.05**	**20**	**20**	1.80	2.10	**0.05**	**0.05**	6200	5900	**0.25**	**0.1**
Mean	0.0021	0.0052	NA	NA	0.023	43	7.5	0.164	0.156	0.23	0.23	5.10	5.26	0.041	0.041	15	15	1.79	1.8	0.039	0.039	6400	6500	0.350	0.240
Median	0.0025	0.0025	NA	NA	0.025	26	5.8	0.2	0.2	0.25	0.25	5.10	5.30	0.05	0.05	20	20	1.65	2.1	0.05	0.05	6400	6600	0.375	0.155
St. Deviation	0.0009	0.0066	NA	NA	0.005	44	6.4	0.073	0.088	0.05	0.05	0.50	0.20	0.019	0.019	10	10	0.59	0.5	0.021	0.021	400	400	0.248	0.249
# of values	4	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	12	2.5	0.0548	0.025	0.155	0.155	4.60	5.00	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6040	5900	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.025	107	16	0.2	0.2	0.25	0.25	5.70	5.42	0.05	0.05	20	20	2.60	2.1	0.05	0.05	6900	6900	0.600	0.600
% of values undetected	100%	100%			100%	0%	25%	75%	100%	100%	100%	0%	0%	100%	100%	100%	100%	25%	33%	100%	100%	0%	0%	50%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.87	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.086	0.084	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	25%	NA	NA	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP69																									
Sample Date																									
05/25/07	**0.00075**	**0.00075**			**0.0155**	8.8	**1.00**	**0.0250**	**0.0250** U	0.66	0.87	15.6	16.6	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**3.42**	**3.61**	**0.0075**	**0.0075**	19400	20400	0.33	0.24
08/02/07	**0.0025**	0.015			**0.025**	11	12	**0.2**	**0.2**	**0.8**	1.0	15.5	17.5	**0.05**	**0.05**	**20**	**20**	3.90	4.80	**0.05**	**0.05**	22200	21000	0.60	0.60
09/08/07	**0.0025**	**0.0025**			**0.025**	7.0	**2.5**	**0.2**	**0.2**	**0.7**	1.0	14.2	14.9	**0.05**	**0.05**	**20**	**20**	4.70	4.60	**0.05**	**0.05**	23000	20800	**0.05**	**0.05**
10/27/07	**0.0025**	**0.0025**			**0.25**	8.0	**2.5**	**0.2**	**0.2**	**0.7**	1.2	16.2	14.5	**0.05**	**0.05**	**20**	**20**	4.40	4.00	**0.05**	**0.05**	21700	22300	0.70	**0.25**
Mean	0.0021	0.0052	NA	NA	0.079	9.0	4.5	0.16	0.2	0.71	1.0	15.4	15.9	0.0410	0.0410	15.0	15.0	4.10	4.30	0.039	0.04	21600	21100	0.42	0.30
Median	0.0025	0.0025	NA	NA	0.025	8.0	2.5	0.20	0.2	0.70	1.0	15.6	15.8	0.0500	0.0500	20.0	20.0	4.20	4.30	0.050	0.05	22000	20900	0.47	0.20
St. Deviation	0.0009	0.0066	NA	NA	0.11	2.0	5.0	0.090	0.09	0.060	0.0	0.800	1.40	0.0190	0.0190	10.0	10.0	0.600	0.500	0.021	0.02	1500	800	0.29	0.20
# of values	4	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	7.0	1.00	0.0250	0.0250	0.66	0.87	14.2	14.5	0.0125	0.0125	0.0075	0.0075	3.42	3.61	0.0075	0.0075	19400	20400	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.25	11	12	0.2	0.2	0.8	1.2	16.2	17.5	0.05	0.05	20	20	4.70	4.80	0.05	0.05	23000	22300	0.70	0.60
% of values undetected	100%	100%			100%	0%	75%	100%	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	25%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	3	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.44	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.225	0.207	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	25%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP68																									
Sample Date																									
05/25/07	0.0720	**0.0178**	0.326	0.272	119	**7.24**	**0.050**	**0.050**	1810	1770	5.46	0.188	**0.000169**		**0.0250**	0.0548	0.260	0.218	209	231	**0.155**	**0.155**	5570	**0.0031**	**0.0031**
08/02/07	**0.025**	**0.025**	**0.25**	**0.25**	**30**	**10**	**0.05**	**0.05**	1600	1700	**0.5**	**0.25**	**0.000169**		**0.25**	**0.25**	**1.7**	**0.9**	**1000**	**150**	**0.05**	**0.05**	5600	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**20**	**0.05**	**0.05**	1800	1800	**0.6**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**1.5**	**150**	**400**	**0.05**	**0.05**	5500	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.9**	**25**	**10**	**0.05**	**0.25**	1600	1500	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**150**	**0.05**	**0.05**	5600	**0.025**	**0.05**
Mean	0.037	0.023	0.269	0.418	46	12.0	0.0500	0.100	1700	1700	1.70	0.230	0.00133	NA	0.190	0.200	0.600	0.700	410	230	0.0760	0.0760	5600	0.020	0.026
Median	0.025	0.025	0.25	0.261	28	10.0	0.0500	0.0500	1700	1700	0.600	0.250	0.00133	NA	0.250	0.250	0.300	0.600	250	190	0.0500	0.0500	5600	0.025	0.025
St. Deviation	0.024	0.004	0.038	0.322	49	6.0	0	0.100	100	100	2.50	0.0300	0.00135	NA	0.110	0.100	0.700	0.600	400	120	0.0530	0.0530	0	0.011	0.019
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.025	0.0178	0.25	0.25	10	7.24	0.050	0.05	1600	1500	0.25	0.188	0.000169	NA	0.0250	0.0548	0.260	0.218	150	150	0.05	0.05	5500	0.0031	0.0031
Maximum	0.072	0.025	0.326	0.9	119	20	0.05	0.25	1810	1800	5.46	0.25	0.00250	NA	0.25	0.25	1.7	1.5	1000	400	0.155	0.155	5600	0.025	0.05
% of values undetected	75%	75%	75%	50%	50%	50%	100%	100%	0%	0%	25%	75%	100%		100%	75%	50%	50%	50%	50%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	1	0	1	1	2	0	0	0	0	2	0	0		0	0	1	1	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.481	2.382	1000	1000	0.442	0.450	NA	NA	NA	NA	0.012	0.012	NA	NA	14.06	14.01	NA	NA	5	4.6	NA	0.282213653	0.240
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP69																									
Sample Date																									
05/25/07	0.0348	0.0258	0.55	0.27	65	26	**0.050**	**0.0155**	7060	6790	0.49	0.13	**0.000169**		0.57	0.64	0.53	0.57	1640	1700	**0.155**	**0.155**	12400	**0.0031**	**0.0074**
08/02/07	**0.025**	**0.25**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	7200	7000	**0.25**	**0.25**	**0.000169**		**0.6**	**0.7**	**0.3**	**0.6**	**1000**	**1000**	**0.2**	**0.2**	12900	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	7600	7000	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**1800**	**1900**	**0.2**	**0.2**	13200	**0.025**	**0.025**
10/27/07	**0.05**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	6900	7500	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**1**	**0.3**	2000	**1800**	**0.25**	**0.25**	14000	**0.025**	**0.025**
Mean	0.034	0.0810	0.33	0.25	24	14	0.05	0.041	7200	7100	0.31	0.22	0.00075	NA	1.0	1.1	0.53	0.44	1600	1600	0.20	0.20	13100	0.020	0.021
Median	0.03	0.0250	0.25	0.25	10	10	0.05	0.050	7100	7000	0.25	0.25	0.00017	NA	1.1	1.1	0.41	0.43	1700	1800	0.20	0.20	13100	0.025	0.025
St. Deviation	0.012	0.112	0.15	0.010	27	8.0	0	0.017	300	300	0.12	0.060	0.0012	NA	0.50	0.50	0.33	0.16	400	400	0	0	700	0.011	0.0090
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.025	0.025	0.25	0.25	10	10	0.050	0.0155	6900	6790	0.25	0.13	0.000169	NA	0.57	0.64	0.3	0.3	1000	1000	0.155	0.155	12400	0.0031	0.0074
Maximum	0.05	0.25	0.55	0.27	65	26	0.05	0.05	7600	7500	0.49	0.25	0.00250	NA	1.5	1.5	1	0.6	2000	1900	0.25	0.25	14000	0.025	0.025
% of values undetected	50%	50%	75%	75%	75%	75%	100%	100%	0%	0%	75%	75%	100%		50%	50%	50%	50%	25%	25%	50%	50%	0%	100%	75%
# of values between MDL and PQL	1	1	0	0	0	0	0	0	0	0	0	0	0		1	1	1	1	1	2	2	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	7.539	7.238	1000	1000	2.317	1.917	NA	NA	NA	NA	0.012	0.012	NA	NA	42.25	42.12	NA	NA	5	4.6	NA	2.643795558	2.247
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP68										
Sample Date										
05/25/07	3130	3070	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.16	
08/02/07	2900	3000	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/06/07	3200	3100	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
10/26/07	2800	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	3000	3000	0.0390	0.0390	0.0500	0.0500	0.210	0.110	1.00	1.00
Median	3000	3000	0.0500	0.0500	0.0500	0.0500	0.130	0.100	1.00	1.00
St. Deviation	200	100	0.0230	0.0230	0	0	0.190	0.0300	0.100	0
# of values	4	4	4	4	4	4	4	4	4	3
Minimum	2800	2800	0.0050	0.0050	0.050	0.050	0.1	0.1	1	1
Maximum	3200	3100	0.05	0.05	0.05	0.05	0.5	0.155	1.16	1
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	75%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	32.22	31.77
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP69										
Sample Date										
05/25/07	5300	5310	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.679**	**0.795**	1.08	
08/02/07	5500	5500	**0.05**	**0.1**	**0.05**	**0.05**	1	**0.9**	**2**	**5**
09/08/07	6000	5500	**0.05**	**0.05**	**0.05**	**0.05**	**0.8**	1.0	**1**	**5**
10/27/07	5500	5900	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	5600	5600	0.039	0.051	0.050	0.050	0.74	0.80	1.30	3.70
Median	5500	5500	0.050	0.050	0.050	0.050	0.74	0.85	1.00	5.00
St. Deviation	300	200	0.023	0.039	0	0	0.21	0.22	0.500	2.30
# of values	4	4	4	4	4	4	4	4	4	3
Minimum	5300	5310	0.0050	0.0050	0.050	0.050	0.5	0.5	1	1
Maximum	6000	5900	0.05	0.1	0.05	0.05	1	1.0	2	5
% of values undetected	0%	0%	100%	75%	100%	100%	25%	25%	50%	67%
# of values between MDL and PQL	0	0	0	1	0	0	2	2	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	97.01	95.65
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP70																					
Sample Date																					
05/26/07	6.5	4.19	7.97	61.2	91	148.3	0.12	39.9	90	58	1.67	11.3	40.0	0.112			0.0224		0.658	0.0500	7.11
08/02/07	6.98	5.28	6.55	51.8	108	203	0.23	50	114	50	**2.5**	**1**	46.0	0.120			**0.025**		**0.9**	**0.05**	8.50
09/08/07	6.62	5.44	6.94	55.2	110	193.3	0.19	51	116	70	**2.5**	**1**	47.0	0.130			**0.005**		**1.3**	**0.05**	9.30
10/27/07	6.72	4.37	7.78	59.9	77	123.5	0.16	50	114	80	**2.5**	**1**	46.0	0.140			**0.005**		**0.8**	**0.05**	8.50
Mean	6.71	0	7.31	57.0	97.0	167.0	0	48	109	64	2.3	3.60	45.0	0.130	NA	NA	0.014	NA	0.900	0.05	8.40
Median	6.67	0	7.36	57.6	100.0	170.8	0	50	114	64	2.5	1.00	46.0	0.130	NA	NA	0.014	NA	0.900	0.05	8.50
St. Deviation	0.200	0.000	0.680	4.30	16.0	37.5	0.000	5	12	13	0.40	5.20	3.0	0.010	NA	NA	0.011	NA	0.300	0	0.900
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.5	4.19	6.55	51.8	77	123.5	0.12	39.9	90	50	1.67	1	40.0	0.112	NA	NA	0.005	NA	0.658	0.050	7.11
Maximum	6.98	5.44	7.97	61.2	110.0	203	0.23	51	116	80	2.5	11.3	47.0	0.140	NA	NA	0.025	NA	1.3	0.05	9.30
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	75%	0%	0%			75%		0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		3	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP71																					
Sample Date																					
05/26/07	6.07	1.41	10.13	72.1	45	165.5	0.12	18.4	45	40	**0.165**	**1.57**	22.5	**0.0615**			0.034		0.670	**0.0440**	0.643
08/03/07	7.46	2.11	9.18	66.6	66	62.3	0.04	27	62	50	**2.5**	**1**	30.0	**0.06**			**0.025**		**0.8**	**0.05**	**0.7**
09/06/07	6.17	2.26	10.42	76	59	228.1	0.09	27	61	40	**2.5**	**1**	32.0	0.290			**0.03**		**0.8**	**0.05**	**1.0**
10/26/07	6.18	2.27	10.2	74.3	55	221	0.15	25	59	50	**2.5**	**1**	28.0	**0.06**			**0.03**		**0.7**	**0.05**	**0.25**
Mean	6.47	0.00	10.0	72.3	56.0	169.0	0.00	24	57	45	1.9	1.10	28.0	0.12	NA	NA	0.030	NA	0.740	0.05	0.600
Median	6.18	0.00	10.2	73.2	57.0	193.0	0.00	26.0	60	45	2.5	1.00	29.0	0.06	NA	NA	0.030	NA	0.750	0.05	0.700
St. Deviation	0.660	0.000	0.500	4.10	9.0	77.0	0.000	4	8	6	1.2	0.300	4.0	0.11	NA	NA	0.000	NA	0.070	0.00	0.300
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.07	1.41	9.18	66.6	45	62.3	0.04	18.4	45	40	0.165	1	22.5	0.06	NA	NA	0.025	NA	0.670	0.0440	0.25
Maximum	7.46	2.27	10.42	76	66	228.1	0.15	27	62	50	2.5	1.57	32.0	0.290	NA	NA	0.034	NA	0.8	0.05	1.0
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			25%		0%	75%	25%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	3			2		3	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP72																					
Sample Date																					
05/26/07	6.35	0.96	9.67	68.1	86	109.1	1.95	38.3	90	63	64.5	**4.00**	38.3	**0.0915**			0.104		0.771	**0.0690**	3.19
08/02/07	6.66	2.6	9.23	67.8	90	52.9	1.44	37	86	40	**2.5**	**1**	38.0	0.100			**0.025**		**0.8**	**0.05**	3.60
09/05/07	6.66	3.78	8.56	65.3	75	126.7	0.17	33	78	70	**2.5**	**1**	35.0	**0.08**			**0.02**		**1.0**	**0.05**	3.90
10/26/07	6.99	1.15	7.86	55.5	72	138.4	0.31	32	77	60	**2.5**	**1**	34.0	**0.05**			**0.03**		**0.9**	**0.05**	**2.6**
Mean	6.67	0.00	8.83	64.2	81.0	106.8	1	35	83	58	18.0	1.80	36.0	0.080	NA	NA	0.040	NA	0.870	0.06	3.30
Median	6.66	0.00	8.90	66.6	81.0	117.9	1	35	82	61	2.5	1.00	37.0	0.086	NA	NA	0.030	NA	0.850	0.05	3.40
St. Deviation	0.260	0.00	0.790	5.90	9.0	37.9	1	3	6	13	31.0	1.50	2.0	0.022	NA	NA	0.040	NA	0.100	0.01	0.600
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0	4	4	4
Minimum	6.35	0.96	7.86	55.5	72	52.9	0.17	32	77	40	2.5	1	34.0	0.05	NA	NA	0.02	NA	0.771	0.05	2.6
Maximum	6.99	3.78	9.67	68.1	90	138.4	1.95	38.3	90	70	64.5	4.00	38.3	0.100	NA	NA	0.104	NA	1.0	0.0690	3.90
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	75%	0%	0%			25%		0%	75%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	0	3			2		3	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP70																									
Sample Date																									
05/26/07	**0.00075**	**0.00075**			**0.0155**	8.2	2.9	**0.0250**	**0.0075**	**0.155**	**0.155**	5.96	7.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	11400	0.36	0.31
08/02/07	**0.0025**	0.015			**0.025**	**4**	9.0	**0.2**	**0.2**	**0.25**	**0.25**	7.50	8.00	**0.05**	**0.05**	**20**	**20**	2.10	2.60	**0.05**	**0.05**	13600	13200	0.70	0.70
09/08/07	**0.0025**	**0.0025**			**0.025**	10	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	7.40	7.80	**0.05**	**0.05**	**20**	**20**	3.00	3.10	**0.05**	**0.05**	13800	13600	**0.05**	**0.05**
10/27/07	**0.0025**	**0.0025**			**0.25**	6.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	8.90	7.2	**0.05**	**0.05**	**20**	**20**	2.40	2.40	**0.05**	**0.05**	13600	13300	0.80	**0.25**
Mean	0.0021	0.0052	NA	NA	0.079	7.1	4.2	0.16	0.2	0.23	0.23	7.40	7.60	0.0410	0.0410	15.0	15.0	2.20	2.30	0.04	0.04	12800	12900	0.48	0.30
Median	0.0025	0.0025	NA	NA	0.025	7.1	2.7	0.20	0.2	0.25	0.25	7.50	7.50	0.0500	0.0500	20.0	20.0	2.30	2.50	0.05	0.05	13600	13300	0.53	0.30
St. Deviation	0.0009	0.0066	NA	NA	0.11	2.6	3.2	0.090	0.1	0.050	0.050	1.20	0.400	0.0190	0.0190	10.0	10.0	0.700	0.800	0.02	0.02	1700	1000	0.34	0.30
# of values	4	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	4	2.5	0.0250	0.0075	0.155	0.155	5.96	7.2	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10300	11400	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.25	10	9.0	0.2	0.2	0.25	0.25	8.90	8.00	0.05	0.05	20	20	3.00	3.10	0.05	0.05	13800	13600	0.80	0.70
% of values undetected	100%	100%			100%	0%	50%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	25%	25%	100%	100%	0%	0%	25%	50%
# of values between MDL and PQL	0	0			0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.65	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.141	0.133	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	25%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP71																									
Sample Date																									
05/26/07	**0.00075**	**0.00075**			**0.0155**	35	13	**0.0075**	R	**0.155**	**0.155**	1.71	1.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4610	4550	0.64	0.50
08/03/07	**0.0025**	**0.0025**			**0.025**	6.0	8.0	**0.2**	**0.2**	**0.25**	**0.25**	1.80		**0.05**	**0.05**	**20**	**20**	**0.7**	**0.25**	**0.05**	**0.05**	6800	6800	1.0	1.2
09/06/07	**0.0025**	**0.0025**			**0.025**	11	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.60	1.30	**0.05**	**0.05**	**20**	**20**	1.20	**0.5**	**0.05**	**0.05**	6700	6700	0.90	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	44	**5**	**0.2**	**0.2**	**0.25**	**0.25**	3.00	2.80	**0.05**	**0.05**	**20**	**20**	1.20	**0.5**	**0.05**	**0.05**	6400	6300	1.1	1.0
Mean	0.0021	0	NA	NA	0.023	24	7.0	0.15	0.2	0.23	0.23	2.00	1.90	0.0410	0.0410	15.0	15.0	1.10	0.600	0.04	0.04	6100	6100	0.90	0.70
Median	0.0025	0.0	NA	NA	0.025	23	7.0	0.20	0.2	0.25	0.25	1.80	1.55	0.0500	0.0500	20.0	20.0	1.20	0.500	0.05	0.05	6600.0	6500.0	1.0	0.70
St. Deviation	0.0009	0	NA	NA	0.0050	18	5.0	0.10	0.0	0.050	0.050	0.700	0.800	0.0190	0.0190	10.0	10.0	0.300	0.400	0.02	0.02	1000	1000	0.20	0.40
# of values	4	4	0	0	4	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	6.0	2.5	0.0075	0.2	0.155	0.155	1.60	1.30	0.0125	0.0125	0.0075	0.0075	0.7	0.25	0.0075	0.0075	4610	4550	0.64	0.25
Maximum	0.0025	0.0025	NA	NA	0.025	44	13	0.2	0.2	0.25	0.25	3.00	2.80	0.05	0.05	20	20	1.25	1.25	0.05	0.05	6800	6800	1.1	1.2
% of values undetected	100%	100%			100%	0%	50%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	25%	100%	100%	100%	0%	0%	0%	25%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.92	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.080	0.078	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP72																									
Sample Date																									
05/26/07	**0.00075**	**0.00075**			**0.0155**	1290	4.3	**0.0250**	**0.0250** U	0.60	**0.155**	19.3	6.59	0.0674	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	9180	2.4	**0.100**
08/02/07	**0.0025**	0.015			**0.025**	92	10	**0.2**	**0.2**	**0.25**	**0.25**	4.10	4.40	**0.05**	**0.05**	**20**	**20**	2.20	3.20	**0.05**	**0.05**	10100	10000	0.70	0.80
09/05/07	**0.0025**	**0.0025**			**0.025**	26	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	3.10	3.50	**0.05**	**0.05**	**20**	**20**	3.20	2.30	**0.05**	**0.05**	8500	9100	**0.05**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	291	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	6.70	4.00	**0.05**	**0.05**	**20**	**20**	1.90	1.90	**0.05**	**0.05**	9000	8700	1	**0.1**
Mean	0.0021	0.0052	NA	NA	0.023	425	4.8	0.16	0.2	0.34	0.23	8.30	4.60	0.0540	0.0410	15.0	15.0	2.10	2.20	0.04	0.04	9500	9200	1.0	0.31
Median	0.0025	0.0025	NA	NA	0.025	192	3.4	0.20	0.2	0.25	0.25	5.40	4.20	0.0500	0.0500	20.0	20.0	2.10	2.10	0.05	0.05	9600	9100	0.90	0.18
St. Deviation	0.00090	0.0066	NA	NA	0.0050	588	3.6	0.090	0.09	0.18	0.050	7.50	1.40	0.00900	0.0190	10.0	10.0	0.800	0.800	0.02	0.02	900	500	1.0	0.33
# of values	4	4	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.00075	0.00075	NA	NA	0.0155	26	2.5	0.0250	0.025	0.25	0.155	3.10	3.50	0.05	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8500	8700	0.05	0.1
Maximum	0.0025	0.015	NA	NA	0.025	1290	10	0.2	0.2	0.60	0.25	19.3	6.59	0.0674	0.05	20	20	3.20	3.20	0.05	0.05	10300	10000	2.4	0.80
% of values undetected	100%	100%			100%	0%	50%	100%	100%	75%	100%	0%	0%	75%	100%	100%	100%	25%	25%	100%	100%	0%	0%	25%	75%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.75	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.117	0.112	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	25%	NA	NA	0%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP70																									
Sample Date																									
05/26/07	**0.0162**	0.0282	0.18	0.25	**19.8**	**11.7**	0.39	**0.050**	3420	3860	0.18		**0.000169**		0.24	0.25	**0.100**		528	634	**0.155**	**0.155**	6750	**0.0031**	**0.0031**
08/02/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	4100	4100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.1**	**0.2**	7200	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	4300	4200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**1.5**	**1100**	**1100**	**0.1**	**0.1**	7400	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	4000	4200	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.6**	**0.3**	**1000**	**800**	**0.05**	**0.05**	7800	**0.025**	**0.025**
												#NUM!													
Mean	0.023	0.0260	0.23	0.25	12	10	0.14	0.050	4000	4100	0.23	NA	0.00075	NA	0.25	0.25	0.33	0.70	900	900	0.10	0.13	7300	0.020	0.020
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	4100	4200	0.25	NA	0.00017	NA	0.25	0.25	0.30	0.30	1000	900	0.10	0.13	7300	0.025	0.025
St. Deviation	0.004	0.00200	0.030	0	5.0	1.0	0.17	0	400	200	0.040	NA	0.0012	NA	0.010	0	0.21	0.69	300	200	0.040	0.070	400	0.011	0.011
# of values	4	4	4	4	4	4	4	4	4	4	4	3	4	0	4	4	4	3	4	4	4	4	4	4	4
Minimum	0.0162	0.025	0.18	0.25	10	10	0.05	0.050	3420	3860	0.18	0.25	0.000169	NA	0.24	0.25	0.100	0.3	528	634	0.05	0.05	6750	0.0031	0.0031
Maximum	0.025	0.0282	0.25	0.25	19.8	11.7	0.39	0.05	4300	4200	0.25	0.25	0.00250	NA	0.25	0.25	0.6	1.5	1100	1100	0.155	0.2	7800	0.025	0.025
% of values undetected	75%	75%	75%	75%	75%	75%	75%	100%	0%	0%	75%	100%	100%		75%	75%	75%	100%	25%	25%	50%	50%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	1	1	0	0	0	0	0	0	0		0	0	1	0	2	2	2	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.392	4.217	1000	1000	1.036	0.952	NA	NA	NA	NA	0.012	0.012	NA	NA	24.74	24.67	NA	NA	5	4.6	NA	0.891068647	0.757
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP71																									
Sample Date																									
05/26/07	0.0332	0.0204	0.17	0.19	44	**13.5**	**0.0155**	**0.0155**	1670	1690	4.3	1.9	**0.000553**		0.081	0.084	**0.100**	**0.100**	433	427	**0.155**	**0.155**	6420	**0.0031**	**0.0031**
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	70	**0.05**	**0.05**	2300	2400	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	9200	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**25**	**0.05**	**0.05**	2400	2400	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**300**	**0.05**	**0.05**	9100	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	2100	2200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**600**	**700**	**0.05**	**0.05**	8900	**0.05**	**0.05**
Mean	0	0.0240	0.23	0.24	18	30	0.041	0.041	2100	2200	1.3	0.66	0.00	NA	0.21	0.21	0.25	0.25	630	390	0.08	0.076	8400	0.026	0.026
Median	0.0	0.0250	0.25	0.25	10	19	0.050	0.050	2200.0	2300.0	0.25	0.25	0.00	NA	0.25	0.25	0.30	0.30	550.0	360.0	0.05	0.050	9000.0	0.025	0.025
St. Deviation	0	0.00200	0.040	0.030	17	28	0.017	0.017	300	300	2.0	0.83	0.00	NA	0.080	0.08	0.10	0.10	250	230	0.05	0.053	1300	0.019	0.019
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.025	0.0204	0.17	0.19	10	10	0.0155	0.0155	1670	1690	0.25	0.25	0.000169	NA	0.081	0.084	0.100	0.100	433	150	0.05	0.05	6420	0.0031	0.0031
Maximum	0.0332	0.025	0.25	0.25	44	70	0.05	0.05	2400	2400	4.3	1.9	0.00250	NA	0.25	0.25	0.3	0.3	1000	700	0.155	0.155	9200	0.05	0.05
% of values undetected	75%	75%	75%	75%	75%	50%	100%	100%	0%	0%	75%	75%	75%		75%	75%	100%	100%	25%	25%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	1	0	0	0	0	0	0	1		0	0	0	0	2	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.296	2.205	1000	1000	0.394	0.406	NA	NA	NA	NA	0.012	0.012	NA	NA	13.02	12.98	NA	NA	5	4.6	NA	0.241564888	0.205
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP72																									
Sample Date																									
05/26/07	0.598	0.100	1.8	0.15	1320	47.7	0.53	**0.0155**	3080	2770	22	16	**0.00357**		0.26	0.26	1.36	0.32	712	603	**0.155**	**0.155**	9230	**0.0031**	**0.0031**
08/02/07	**0.025**	**0.025**	**0.25**	**0.25**	130	**40**	**0.05**	**0.05**	2800	2800	**1.6**	**1.1**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.1**	9400	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**40**	**20**	**0.05**	**0.05**	2400	2600	**0.25**	**0.25**	**0.000516**		**0.25**	**0.25**	**0.3**	**1.5**	**600**	**700**	**0.05**	**0.05**	9700	**0.025**	**0.025**
10/26/07	**0.2**	**0.07**	**0.25**	**0.5**	660	**10**	**0.25**	**0.25**	2500	2600	6.7	**0.8**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**900**	**500**	**0.05**	**0.05**	9700	**0.05**	**0.05**
Mean	0.21	0.0600	0.63	0.29	540	29	0.22	0.090	2700	2700	7.7	4.5	0.0011	NA	0.25	0.25	0.57	0.60	800	700	0.076	0.090	9500	0.026	0.026
Median	0.11	0.0500	0.25	0.25	400	30	0.15	0.050	2700	2700	4.2	1.0	0.00034	NA	0.25	0.25	0.30	0.30	810	650	0.050	0.080	9600	0.025	0.025
St. Deviation	0.27	0.0400	0.76	0.15	590	17	0.23	0.11	300	100	10	7.6	0.0017	NA	0	0	0.53	0.60	180	220	0.053	0.050	200	0.019	0.019
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4
Minimum	0.025	0.025	0.25	0.15	40	10	0.05	0.0155	2400	2600	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	600	500	0.05	0.05	9230	0.0031	0.0031
Maximum	0.598	0.100	1.8	0.5	1320	47.7	0.53	0.25	3080	2800	22	16	0.00357	NA	0.26	0.26	1.36	1.5	1000	1000	0.155	0.155	9700	0.05	0.05
% of values undetected	50%	50%	75%	50%	0%	25%	75%	100%	0%	0%	25%	25%	50%		75%	75%	75%	75%	25%	25%	100%	75%	0%	100%	100%
# of values between MDL and PQL	1	1	0	1	1	2	0	0	0	0	1	2	2		0	0	0	0	2	2	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.538	3.396	1000	1000	0.750	0.718	NA	NA	NA	NA	0.012	0.012	NA	NA	19.97	19.91	NA	NA	5	4.6	NA	0.576436216	0.490
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP70										
Sample Date										
05/26/07	2880	3300	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.09	**0.50**
08/02/07	3200	3300	**0.05**	**0.05**	**0.05**	**0.05**	0.3	**0.1**	**1**	**1**
09/08/07	3400	3400	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/27/07	3300	3400	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	3200	3400	0.039	0.039	0.050	0.050	0.26	0.21	1.00	1.90
Median	3300	3400	0.050	0.050	0.050	0.050	0.23	0.13	1.00	1.00
St. Deviation	200	100	0.023	0.023	0	0	0.18	0.19	0	2.10
# of values	4	4	4	4	4	4	4	4	4	4
Minimum	2880	3300	0.0050	0.0050	0.050	0.050	0.1	0.1	1	0.50
Maximum	3400	3400	0.05	0.05	0.05	0.05	0.5	0.5	1.09	5
% of values undetected	0%	0%	100%	100%	100%	100%	75%	100%	75%	100%
# of values between MDL and PQL	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	56.77	55.98
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP71										
Sample Date										
05/26/07	1750	1760	**0.0050**	**0.0050**	**0.050**	**0.050**	0.816	0.774	1.36	1.01
08/03/07	2500	2500	**0.05**	**0.05**	**0.05**	**0.05**	1.1	0.9	**1**	**1**
09/06/07	2500	2500	**0.05**	**0.05**	**0.05**	**0.05**	0.9	1.1	**1**	**1**
10/26/07	2500	2600	**0.05**	**0.05**	**0.05**	**0.05**	1.3	**0.5**	**1**	**1**
Mean	2300	2300	0.039	0.039	0.050	0.050	1.0	0.80	1.10	1.00
Median	2500.0	2500.0	0.050	0.050	0.050	0.050	1.0	0.80	1.00	1.00
St. Deviation	400	400	0.023	0.023	0.0	0	0.20	0.30	0.200	0
# of values	4	4	4	4	4	4	4	4	4	4
Minimum	1750	1760	0.0050	0.0050	0.050	0.050	0.816	0.5	1	1
Maximum	2500	2600	0.05	0.05	0.05	0.05	1.3	1.1	1.36	1.01
% of values undetected	0%	0%	100%	100%	100%	100%	0%	25%	75%	75%
# of values between MDL and PQL	0	0	0	0	0	0	2	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	29.85	29.43
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP72										
Sample Date										
05/26/07	3500	3220	**0.0050**	**0.0050**	**0.050**	**0.050**	5.4	0.757	4.00	**0.50**
08/02/07	3400	3400	**0.05**	0.2	**0.05**	**0.05**	0.9	0.4	**1**	**1**
09/05/07	3400	3700	**0.05**	**0.05**	**0.05**	**0.05**	0.3	0.3	**5**	**5**
10/26/07	3300	3400	**0.05**	0.60	**0.05**	**0.05**	**0.5**	**0.1**	**5**	**1**
Mean	3400	3400	0.039	0.21	0.050	0.050	1.8	0.39	3.80	1.90
Median	3400	3400	0.050	0.13	0.050	0.050	0.70	0.35	4.50	1.00
St. Deviation	100	200	0.023	0.27	0	0	2.4	0.28	1.90	2.10
# of values	4	4	4	4	4	4	4	4	4	4
Minimum	3300	3220	0.005	0.0050	0.050	0.050	0.3	0.1	1	0.5
Maximum	3500	3700	0.05	0.60	0.05	0.05	5.4	0.757	5	5
% of values undetected	0%	0%	100%	50%	100%	100%	25%	25%	75%	100%
# of values between MDL and PQL	0	0	0	1	0	0	2	3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	45.81	45.17
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

2004-2008 Mine Study Area, Surface Water Analytical Results Summary- Seeps

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP73																					
Sample Date																					
05/27/07	6.4	1.94	10.12	74.3	38	136.3	0.19	31.1	80	48	**0.1745**	**3.25**	22.5	0.753			**0.00155**		0.749	**0.0470**	10.2
09/06/07	6.81	3.51	6.8	66.3	97	185.4	0.12	44	107	50	**2.5**	**1**	28.0	0.560			**0.005**		**1.0**	**0.05**	19.5
10/26/07	6.46	1.96	9.41	68	74	204.7	0.41	32	77	50	**2.5**	**1**	24.0	0.660			**0.01**		**0.8**	**0.05**	8.20
06/02/08	7.54	0.97	10.89	76.4	69	210.6	0.31	29	70	50	2.68	**1.57**	21.5	0.863			0.024		0.649	**0.07**	8.82
08/03/08	7.11	4.14	8.07	61.8	83	173.2	0.14	32.4	50	41	38.9	**3.5**	26.7	0.481			0.023		0.671	0.14	10.5
09/16/08	6.61	4.48	8.55	66.1	95	231.2	0.16	38.7	97	66	**0.408**	**4.3**	27.8	0.530			0.010		0.563	**0.045**	14.8
11/03/08	6.64	0.24	10.3	71.3	87	204.1	0.16	31.5	80	39	6.38	**3.54**	25.1	0.711			0.012		0.659	**0.036**	8.65
Mean	6.80	2	9.16	69.2	78	192.2	0.2	34.1	80	49	7.65	2.60	25.1	0.651	NA	NA	0.012	NA	0.727	0.06	11.5
Median	6.64	1.96	9.41	68.0	83	204.1	0.16	32	80	50	2.50	3.25	25.1	0.660	NA	NA	0.010	NA	0.671	0.05	10.2
St. Deviation	0.400	2	1.44	5.10	20.0	30.8	0.1	5.3	18	9	13.9	1.40	2.6	0.136	NA	NA	0.009	NA	0.142	0.04	4.20
# of values	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	6.4	0.24	6.8	61.8	38	136.3	0.12	29	50	39	0.1745	1	21.5	0.481	NA	NA	0.00155	NA	0.563	0.036	8.2
Maximum	7.54	4.48	10.89	76.4	97	231.2	0.41	44	107	66	38.9	4.3	28.0	0.863	NA	NA	0.024	NA	1.0	0.14	19.5
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	43%	43%	0%	0%			29%		0%	29%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	4	0	0			1		2	4	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	29%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP74																					
Sample Date																					
08/03/07	7.09	4.92	10.04	79.6	33	205.2	0.28	12	36	20	**12**	**1**	**14**	0.140			**0.005**		**1.1**	**0.05**	**0.8**
09/08/07	6.03	6.45	8.22	64.2	35	191.9	2.01	14	39	30	**2.5**	**1**	**15**	0.110			**0.005**		**1.0**	**0.05**	**1.1**
10/26/07	5.44	3.64	8.67	65.5	33	230.2	0.16	13	36	40	**2.5**	**1**	**10**	**0.06**			**0.005**		**1.4**	**0.05**	**0.25**
Mean	6.19	10.00	8.98	69.8	34	209.1	1	13	37	30	5.7	1.00	13.0	0.100	NA	NA	0.005	NA	1.20	0.05	0.720
Median	6.03	4.92	8.67	65.5	33	205.2	0.28	13	36	30	2.5	1.00	14.0	0.110	NA	NA	0.005	NA	1.10	0.05	0.800
St. Deviation	0.840	0	0.950	8.50	1.0	19.4	1.0	1	2	10	5.5	0.00	3.0	0.040	NA	NA	0	NA	0.200	0	0.430
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	5.44	3.64	8.22	64.2	33	191.9	0.16	12	36	20	2.5	1	10	0.06	NA	NA	0.005	NA	1.0	0.05	0.25
Maximum	7.09	6.45	10.04	79.6	35	230.2	2.01	14	39	40	12	1	15	0.140	NA	NA	0.005	NA	1.4	0.05	1.1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	33%	0%			100%		0%	100%	33%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	2	1			0		3	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP73																									
Sample Date																									
05/27/07	**0.00075**	0.064			**0.0155**	11	8.9	**0.0250**	**0.0250** U	**0.155**	**0.155**	3.58	3.56	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	9400	0.218	0.27
09/06/07	**0.0025**	**0.0025**			**0.025**	45	13	**0.2**	**0.2**	**0.25**	**0.25**	4.90	5.40	**0.05**	**0.05**	**20**	**20**	2.20	1.90	**0.05**	**0.05**	15800	14600	**0.05**	**0.05**
10/26/07	**0.0025**	**0.0025**			**0.025**	181	9.0	**0.2**	**0.2**	**0.25**	**0.25**	5.20	5.20	**0.05**	**0.05**	**20**	**20**	1.40	1.40	**0.05**	**0.05**	10900	10800	**0.25**	**0.25**
06/02/08	**0.0025**	**0.00075**			0.468	144	13	**0.0075**	**0.0075**	**0.155**	**0.155**	3.03	2.64	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9480	9460	0.263	0.31
08/03/08	**0.00075**	**0.0015**			**0.050**	789	5.9	**0.0075**	**0.0075**	0.62	**0.155**	6.57	4.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10600	11900	0.691	0.40
09/16/08	**0.00075**	**0.00075**			**0.050**	9.3		**0.0075**	**0.0291** J	**0.155**	**0.155**	4.64	5.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12700	12800	0.313	0.40
11/03/08	**0.00075**	**0.00075**			**0.050**	107	5.7	**0.0212**	**0.0075**	**0.155**	**0.155**	3.92	3.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10400	9810	**0.103**	**0.157**
Mean	0.0015	0.010	NA	NA	0.098	184	9.2	0.067	0.07	0.25	0.18	4.55	4.30	0.0232	0.0232	5.72	5.72	1.41	1.36	0.02	0.02	11500	11300	0.27	0.26
Median	0.00075	0.0015	NA	NA	0.050	107	8.9	0.021	0.03	0.16	0.16	4.64	4.84	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.01	0.01	10600	10800	0.25	0.27
St. Deviation	0.00094	0.024	NA	NA	0.16	275	3.2	0.091	0.09	0.17	0.046	1.17	1.10	0.0183	0.0183	9.76	9.76	0.350	0.240	0.02	0.02	2200	2000	0.21	0.13
# of values	7	7	0	0	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Minimum	0.00075	0.00075	NA	NA	0.0155	9.3	5.7	0.0075	0.0075	0.155	0.155	3.03	2.64	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9480	9400	0.05	0.05
Maximum	0.0025	0.064	NA	NA	0.468	789	13	0.2	0.2	0.62	0.25	6.57	5.40	0.05	0.05	20	20	2.20	1.90	0.05	0.05	15800	14600	0.691	0.40
% of values undetected	100%	71%			86%	0%	0%	86%	86%	86%	100%	0%	0%	100%	100%	100%	100%	71%	71%	100%	100%	0%	0%	29%	29%
# of values between MDL and PQL	0	1			0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.74	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.110	0.105	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	14%	NA	NA	0%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP74																									
Sample Date																									
08/03/07	**0.0025**	**0.015**			**0.025**	145	46	**0.2**	**0.2**	**0.25**	**0.25**	5.90	5.90	**0.05**	**0.05**	**20**	**20**	2.30	3.30	**0.05**	**0.05**	3800	4000	0.70	**0.05**
09/08/07	**0.0025**	**0.0025**			**0.025**	442	49	**0.2**	**0.2**	**0.25**	**0.25**	9.30	5.90	**0.05**	**0.05**	**20**	**20**	3.70	3.40	**0.05**	**0.05**	4500	4600	**0.05**	**0.05**
10/26/07	**0.0025**	**0.0025**			**0.025**	75	46	**0.2**	**0.2**	**0.25**	**0.25**	5.10		**0.05**	**0.05**	**20**	**20**	3.40	3.60	**0.05**	**0.05**	3900	4300	**0.25**	**0.25**
Mean	0.0025	0.0067	NA	NA	0.025	221	47	0.20	0.2	0.25	0.25	6.80	5.90	0.0500	0.0500	20.0	20.0	3.10	3.40	0.05	0.05	4100	4300	0.33	0.12
Median	0.0025	0.0025	NA	NA	0.025	145	46	0.20	0.2	0.25	0.25	5.90	5.90	0.0500	0.0500	20.0	20.0	3.40	3.40	0.05	0.05	3900	4300	0.25	0.050
St. Deviation	0	0.0072	NA	NA	0	195	2.0	0.00	0	0	0	2.20	0.00	0.0000	0	0.0	0	0.700	0.200	0.00	0	400	300	0.33	0.12
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	75	46	0.2	0.2	0.25	0.25	5.10	5.90	0.05	0.05	20	20	2.30	3.30	0.05	0.05	3800	4000	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.025	442	49	0.2	0.2	0.25	0.25	9.30	5.90	0.05	0.05	20	20	3.70	3.60	0.05	0.05	4500	4600	0.70	0.25
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	67%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.04	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.057	0.056	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP73																									
Sample Date																									
05/27/07	**0.0162**	**0.0170**	0.12		20	**17.3**	**0.0155**	**0.0155**	1330	1240	0.19	0.17	**0.00250**		0.51	0.43	**0.100**	**0.100**	253	250	**0.155**	**0.155**	3580	**0.0031**	**0.0076**
09/06/07	**0.025**	**0.025**	**0.25**	**0.25**	50	**10**	**0.05**	**0.05**	2000	1900	**2.4**	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.4**	**0.4**	3900	**0.025**	**0.025**
10/26/07	**0.09**	**0.025**	**0.25**	**0.25**	140	**10**	**0.05**	**0.25**	1200	1300	5.6	**0.25**	**0.000607**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.25**	3900	**0.025**	**0.025**
06/02/08	0.0419	0.0218	0.21		116	26	**0.0436**	**0.0339**	1290	1310	7.1	1.0	**0.00075**		0.51	0.47	**0.191**		196	208	**0.155**	**0.155**	3870	**0.0031**	**0.0031**
08/03/08	0.202	0.0254	0.52	0.24	425	27	0.21	**0.0155**	1410	1550	39	0.29	**0.00075**		0.71	0.64	0.42	0.40	147	185	**0.155**	**0.155**	4360	**0.0031**	**0.0031**
09/16/08	**0.0161**	0.0259	1.4		26	32	**0.0155**	**0.044**	1690	1700	0.23	0.17	**0.00075**		0.70	0.75	0.23		151	179	**0.155**	**0.354**	4160	**0.0116**	**0.0031**
11/03/08	0.0454	0.0206	0.24		91	25	**0.0358**	**0.0155**	1330	1370	4.8	0.18	**0.00075**		0.71	0.58	0.28		126	130	**0.155**	**0.155**	4140	**0.0031**	**0.0031**
Mean	0.0624	0.0230	0.42	0.25	124	21	0.060	0.061	1460	1480	8.4	0.33	0.0012	NA	0.88	0.84	0.26	0.27	168	180	0.20	0.23	3990	0.011	0.010
Median	0.0419	0.0250	0.25	0.25	91	25	0.044	0.034	1330	1370	4.8	0.25	0.00075	NA	0.71	0.64	0.28	0.30	150	179	0.16	0.16	3900	0.0031	0.0031
St. Deviation	0.0666	0.00330	0.43	0.010	140	8.7	0.067	0.085	280	250	14	0.31	0.00087	NA	0.44	0.46	0.10	0.12	43	40	0.094	0.11	250	0.010	0.010
# of values	7	7	7	3	7	7	7	7	7	7	7	7	7	0	7	7	7	4	7	7	7	7	7	7	7
Minimum	0.0161	0.0170	0.12	0.24	20	10	0.0155	0.0155	1200	1240	0.19	0.17	0.000607	NA	0.51	0.43	0.100	0.100	126	130	0.155	0.155	3580	0.0031	0.0031
Maximum	0.202	0.0259	1.4	0.25	425	32	0.21	0.25	2000	1900	39	1.0	0.00250	NA	1.5	1.5	0.42	0.40	253	250	0.4	0.4	4360	0.025	0.025
% of values undetected	14%	29%	29%	67%	0%	29%	57%	71%	0%	0%	0%	29%	86%		29%	29%	43%	75%	29%	29%	86%	71%	0%	86%	86%
# of values between MDL and PQL	3	1	0	0	0	1	2	2	0	0	1	0	1		0	0	1	0	0	0	1	2	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.299	3.167	1000	1000	0.676	0.655	NA	NA	NA	NA	0.012	0.012	NA	NA	18.64	18.58	NA	NA	5	4.6	NA	0.500931588	0.426
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP74																									
Sample Date																									
08/03/07	**0.025**	**0.025**	**0.25**	**0.7**	130	**10**	**0.05**	**0.05**	**400**	**600**	**1.4**	**0.8**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4800	**0.025**	**0.025**
09/08/07	**0.15**	**0.025**	**0.25**	**0.25**	250	**10**	**0.25**	**0.05**	**600**	**700**	6.7	3.4	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	5000	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	**400**	**600**	**0.9**	**1**	**0.00105**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.05**	5100	**0.05**	**0.05**
Mean	0.067	0.0250	0.25	0.40	130	10	0.12	0.12	470	630	3.0	1.7	0.0020	NA	0.25	0.25	0.30	0.30	150	230	0.050	0.050	5000	0.033	0.033
Median	0.025	0.0250	0.25	0.25	130	10	0.050	0.050	400	600	1.4	1.0	0.0025	NA	0.25	0.25	0.30	0.30	150	150	0.050	0.050	5000	0.025	0.025
St. Deviation	0.072	0	0	0.26	120	0	0.12	0.12	120	60	3.2	1.4	0.00080	NA	0	0	0.00	0	0	140	0	0	200	0.014	0.014
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	400	600	0.9	0.8	0.00105	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	4800	0.025	0.025
Maximum	0.15	0.025	0.25	0.7	250	10	0.25	0.25	600	700	6.7	3.4	0.00250	NA	0.25	0.25	0.3	0.3	150	400	0.05	0.05	5100	0.05	0.05
% of values undetected	67%	100%	100%	67%	33%	100%	100%	100%	0%	0%	0%	0%	67%		100%	100%	100%	100%	100%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	0	1	0	0	0	0	3	3	2	2	1		0	0	0	0	0	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.535	1.473	1000	1000	0.216	0.238	NA	NA	NA	NA	0.012	0.012	NA	NA	8.74	8.71	NA	NA	5	4.6	NA	0.107347223	0.091
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	33%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP73										
Sample Date										
05/27/07	2110	1960	**0.0050**	**0.0100**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.75
09/06/07	2800	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/26/07	2100	2200	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
06/02/08	2030	2080	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.815**	1.19
08/03/08	2260	2420	**0.0050**	**0.0050**	**0.050**	**0.050**	1.49	**0.155**	1.62	1.46
09/16/08	2490	2500	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/03/08	2140	2170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.42
Mean	2280	2290	0.018	0.019	0.050	0.050	0.39	0.20	0.850	1.97
Median	2140	2200	0.0050	0.0050	0.050	0.050	0.16	0.16	0.815	1.44
St. Deviation	280	260	0.022	0.022	0	0	0.50	0.14	0.410	1.51
# of values	7	7	7	7	7	7	7	7	7	6
Minimum	2030	1960	0.0050	0.0050	0.050	0.050	0.1	0.1	0.5	1
Maximum	2800	2700	0.05	0.05	0.05	0.05	1.49	0.5	1.62	5
% of values undetected	0%	0%	100%	86%	100%	100%	86%	100%	71%	33%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	42.75	42.15
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP74										
Sample Date										
08/03/07	2500	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.1**	**1**	**3**
09/08/07	2900	2900	0.70	0.60	**0.05**	**0.05**	**0.4**	**0.1**	**5**	**5**
10/26/07	2800	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	2700	2800	0.27	0.23	0.050	0.050	0.40	0.10	2.30	3.00
Median	2800	2800	0.050	0.050	0.050	0.050	0.40	0.10	1.00	3.00
St. Deviation	200	100	0.38	0.32	0	0	0.10	0	2.30	2.00
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2500	2700	0.05	0.05	0.05	0.05	0.3	0.1	1	1
Maximum	2900	2900	0.70	0.60	0.05	0.05	0.5	0.1	5	5
% of values undetected	0%	0%	67%	67%	100%	100%	33%	100%	100%	67%
# of values between MDL and PQL	0	0	0	0	0	0	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	20.02	19.74
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP75																					
Sample Date																					
08/03/07	6.08	7.84	9.44	79.4	25	179	0.15	13	30	**10**	**6**	**1**	**12**	**0.02**			**0.03**		**0.8**	**0.05**	**0.8**
09/06/07	6.2	7.1	8.75	72.3	21	171.4	0.09	13	27	40	**2.5**	**1**	**11**	**0.01**			**0.005**		**1.0**	**0.05**	**0.9**
10/27/07	6.48	1.85	8.45	61.6	27	160.9	0.12	14	30	40	**2.5**	**1**	**11**	**0.01**			**0.005**		**0.8**	**0.05**	**0.6**
06/02/08	7.28	0.76	11	76.8	26	211	0.3	9.76	25	23	**0.424**	**1.57**	10.3	**0.04**			**0.00155**		0.553	**0.0155**	0.653
08/02/08	7.05	9.66	9.53	83.8	24	184.7	0.27	11.4	19	24	**0.612**	**1.57**	12.7	**0.0155**			**0.0050**		0.537	**0.032**	0.690
09/16/08	6.87	7.73	8.28	69.4	33	192.1	0.38	9.82	30	31	9.38	**3.72**	**7.98**	0.211			**0.0046**		0.668	**0.035**	0.487
Mean	6.66	6	9.24	73.9	26.0	183.2	0	12	27	28	3.6	1.60	11.0	0.051	NA	NA	0.009	NA	0.730	0.04	0.700
Median	6.68	7	9.10	74.6	26.0	181.9	0	12	28	28	2.5	1.30	11.0	0.018	NA	NA	0.005	NA	0.730	0.04	0.700
St. Deviation	0.480	4	1.00	7.90	4.0	17.4	0	2	5	12	3.5	1.10	2.0	0.079	NA	NA	0.011	NA	0.180	0.01	0.100
# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0	0	6	0	6	6	6
Minimum	6.08	0.76	8.28	61.6	21	160.9	0.09	9.76	19	10	0.424	1	7.98	0.01	NA	NA	0.00155	NA	0.537	0.0155	0.487
Maximum	7.28	9.66	11	83.8	33	211	0.38	14	30	40	9.38	3.72	12.7	0.211	NA	NA	0.03	NA	1.0	0.05	0.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	83%	0%	50%			67%		0%	67%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	3	1	4	2			2		3	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP76																					
Sample Date																					
08/03/07	6.4	4.02	10.09	77	48	176.9	0.06	23	51	30	**2.5**	**1**	24.0	**0.08**			**0.025**		**1.0**	**0.05**	**1.1**
09/06/07	7.01	4.09	9.34	71.5	49	158.4	0.05	26	52	50	**2.5**	**1**	25.0	**0.08**			**0.005**		**1.0**	**0.05**	**1.4**
10/25/07	7.23	4.05	10.44	79.8	48	215.1	0.06	24	52	40	**2.5**	**1**	23.0	**0.07**			**0.005**		**0.9**	**0.05**	**0.7**
Mean	6.88	0	9.96	76.1	48.0	183.5	0.1	24	52	40	2.5	1.00	24.0	0.077	NA	NA	0.012	NA	1.00	0.05	1.10
Median	7.01	4.05	10.1	77.0	48.0	176.9	0.060	24	52	40	2.5	1.00	24.0	0.080	NA	NA	0.005	NA	1.00	0.05	1.10
St. Deviation	0.430	0.000	0.560	4.20	1.0	28.9	0.0000	2	1	10	0	0.00	1.0	0.006	NA	NA	0.012	NA	0.100	0	0.400
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.4	4.02	9.34	71.5	48	158.4	0.05	23	51	30	2.5	1	23.0	0.07	NA	NA	0.005	NA	0.9	0.05	0.7
Maximum	7.23	4.09	10.44	79.8	49	215.1	0.06	26	52	50	2.5	1	25.0	0.08	NA	NA	0.025	NA	1.0	0.05	1.4
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			100%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	3			0		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP75																									
Sample Date																									
08/03/07	**0.0025**	0.015			**0.025**	19	16	**0.2**	**0.2**	**0.25**	**0.25**	1.70	2.10	**0.05**	**0.05**	**20**	**20**	1.00		0.05	0.05	4200	4300	0.4	**0.05**
09/06/07	**0.0025**	**0.0025**			**0.025**	12	9.0	**0.2**	**0.2**	0.6	**0.25**	1.30	1.70	**0.05**	**0.05**	**20**	**20**	1.10	1.40	0.05	0.05	3700	4200	**0.05**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	9.0	**2.5**	**0.2**	**0.2**	0.5	**0.25**	2.60	2.00	**0.05**	**0.05**	**20**	**20**	1.60	1.50	0.05	0.05	4100	4700	1.3	**0.25**
06/02/08	**0.0025**	**0.00075**			0.24	8.8	4.8	**0.0075**	**0.0075**	0.72	0.74	1.34	1.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3360	3340	0.22	0.33
08/02/08	**0.00075**	**0.00075**			0.0352	2.9	2.6	0.047	0.07	0.76	0.87	1.20		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3910		0.46	0.34
09/16/08	**0.00075**	**0.00075**			**0.050**	29	3.3	0.0293	0.0445 J	1.4	0.66	1.47	1.67	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3340	3530	0.45	0.47
Mean	0.0019	0.0037	NA	NA	0.067	13	6.4	0.11	0.1	0.71	0.50	1.60	1.80	0.0310	0.0310	10.0	10.0	1.20	1.33	0.03	0.03	3770	4000	0.48	0.28
Median	0.0025	0.0016	NA	NA	0.030	11	4.0	0.12	0.1	0.66	0.45	1.40	1.70	0.0310	0.0310	10.0	10.0	1.30	1.25	0.03	0.03	3810	4200	0.42	0.29
St. Deviation	0.00090	0.0056	NA	NA	0.086	9.1	5.3	0.10	0.09	0.39	0.29	0.500	0.200	0.0210	0.0210	11.0	11.0	0.200	0.120	0.02	0.02	370	600	0.43	0.14
# of values	6	6	0	0	6	6	6	6	6	6	6	6	5	6	6	6	6	6	5	6	6	6	5	6	6
Minimum	0.00075	0.00075	NA	NA	0.025	2.9	2.5	0.0075	0.0075	0.25	0.25	1.20	1.52	0.0125	0.0125	0.0075	0.0075	1.00	1.25	0.0075	0.0075	3340	3340	0.05	0.05
Maximum	0.0025	0.015	NA	NA	0.24	29	16	0.2	0.2	1.4	0.87	2.60	2.10	0.05	0.05	20	20	1.60	1.50	0.05	0.05	4200	4700	1.3	0.47
% of values undetected	100%	100%			67%	0%	17%	67%	67%	17%	50%	0%	0%	100%	100%	100%	100%	50%	60%	100%	100%	0%	0%	17%	50%
# of values between MDL and PQL	0	0			1	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.91	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.048	0.049	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	17%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP76																									
Sample Date																									
08/03/07	**0.0025**	**0.0025**			**0.025**	14	12	**0.2**	**0.2**	0.9	0.9	2.10		**0.05**	**0.05**	**20**	**20**	1.70	2.40	**0.05**	**0.05**	7700	7700	0.70	0.80
09/06/07	**0.0025**	**0.0025**			**0.025**	18	6.0	**0.2**	**0.2**	1.3	1.1	2.00		**0.05**	**0.05**	**20**	**20**	2.00	1.70	**0.05**	**0.05**	7900	8800	**0.05**	0.60
10/25/07	**0.0025**	**0.0025**			**0.25**	9.0	**2.5**	**0.2**	**0.2**	0.9	0.8	3.40		**0.05**	**0.05**	**20**	**20**	2.20	2.20	**0.05**	**0.05**	8700	8400	0.80	**0.25**
Mean	0.0025	0.0025	NA	NA	0.10	14	6.8	0.20	0.2	1.0	0.93	2.50	NA	0.0500	0.0500	20.0	20.0	2.00	2.10	0.05	0.05	8100	8300	0.52	0.55
Median	0.0025	0.0025	NA	NA	0.025	14	6.0	0.20	0.2	0.90	0.90	2.10	NA	0.0500	0.0500	20.0	20.0	2.00	2.20	0.05	0.05	7900	8400	0.70	0.60
St. Deviation	0	0	NA	NA	0.13	5.0	4.8	0.00	0	0.23	0.15	0.800	NA	0	0	0.0	0	0.300	0.400	0.00	0	500	600	0.41	0.28
# of values	3	3	0	0	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	9.0	2.5	0.2	0.2	0.9	0.8	2.00	NA	0.05	0.05	20	20	1.70	1.70	0.05	0.05	7700	7700	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.25	18	12	0.2	0.2	1.3	1.1	3.40	NA	0.05	0.05	20	20	2.20	2.40	0.05	0.05	8700	8800	0.80	0.80
% of values undetected	100%	100%			100%	0%	33%	100%	100%	0%	0%	0%		100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	33%	33%
# of values between MDL and PQL	0	0			0	0	0	0	0	2	2	0		0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.70	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.091	0.089	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP75																									
Sample Date																									
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	90	**25**	**0.05**	**0.05**	**300**	**500**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.05**	3600	**0.025**	**0.025**
09/06/07	**0.025**	**0.025**	**0.7**	**0.25**	**25**	**20**	**0.05**	**0.05**	**400**	**500**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4500	**0.025**	**0.025**
10/27/07	**0.025**	**0.025**	**0.25**	**0.25**	**40**	**10**	**0.05**	**0.05**	**300**	**500**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**300**	**0.05**	**0.05**	4400	**0.025**	**0.025**
06/02/08	**0.0121**	**0.016**	0.52	0.62	44	26	**0.0155**	**0.0437**	334	362	1.8	1.5	**0.00075**		**0.0075**	**0.0075**	**0.084**		184	199	**0.155**	**0.155**	3540	**0.0031**	**0.0031**
08/02/08	**0.0103**	0.0253	**0.050**	0.19	**16.9**	28	**0.0155**	**0.0155**	404		0.25		**0.00075**		0.088	0.13	**0.100**		111	155	**0.155**	**0.155**	4610	**0.0031**	**0.0031**
09/16/08	**0.0186**	**0.0131**	0.21		154	**10.9**	0.16	**0.0155**	358	427	1.3	0.148	**0.00075**		**0.0444**	0.082	**0.100**	0.21	229	239	**0.155**	**0.155**	4230	**0.0031**	**0.0031**
Mean	0.019	0.0220	0.33	0.31	62	20	0.057	0.037	350	460	0.67	0.47	0.00085	NA	0.15	0.16	0.20	0.28	204	341	0.10	0.10	4150	0.014	0.014
Median	0.022	0.0250	0.25	0.25	42	23	0.050	0.047	350	500	0.25	0.25	0.00075	NA	0.17	0.19	0.20	0.30	167	219	0.10	0.10	4320	0.014	0.014
St. Deviation	0.007	0.00600	0.24	0.17	52	8.0	0.054	0.017	50	60	0.66	0.56	0.00086	NA	0.11	0.10	0.11	0.050	104	328	0.060	0.060	460	0.012	0.012
# of values	6	6	6	5	6	6	6	6	6	5	6	5	6	0	6	6	6	4	6	6	6	6	6	6	6
Minimum	0.0103	0.0131	0.050	0.19	16.9	10	0.0155	0.0155	300	362	0.25	0.148	0.000169	NA	0.0075	0.0075	0.084	0.21	111	150	0.05	0.05	3540	0.0031	0.0031
Maximum	0.025	0.0253	0.7	0.62	154	28	0.16	0.05	404	500	1.8	1.5	0.00250	NA	0.25	0.25	0.3	0.3	400	1000	0.155	0.155	4610	0.025	0.025
% of values undetected	50%	50%	50%	60%	17%	50%	83%	83%	0%	0%	50%	60%	100%		67%	67%	83%	75%	33%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	3	2	1	0	2	1	0	1	3	3	0	0	0		1	0	1	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.279	1.228	1000	1000	0.165	0.186	NA	NA	NA	NA	0.012	0.012	NA	NA	7.29	7.27	NA	NA	5	4.6	NA	0.07437052	0.063
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP76																									
Sample Date																									
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**800**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	4300	**0.025**	**0.025**
09/06/07	**0.08**	**0.025**	**0.25**	**0.25**	**10**	**20**	**0.05**	**0.05**	**800**	**900**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**1.5**	**150**	**150**	**0.05**	**0.05**	4800	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	**800**	**0.25**	**0.25**	**0.000893**		**0.25**	**0.25**	**0.3**	**0.3**	**500**	**400**	**0.05**	**0.05**	4700	**0.15**	**0.025**
Mean	0.043	0.0250	0.25	0.25	10	13	0.050	0.050	770	830	0.25	0.25	0.0012	NA	0.25	0.25	0.30	0.70	550	230	0.050	0.050	4600	0.067	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	800	800	0.25	0.25	0.00089	NA	0.25	0.25	0.30	0.30	500	150	0.050	0.050	4700	0.025	0.025
St. Deviation	0.032	0	0	0	0	6.0	0	0	60	60	0	0	0.0012	NA	0	0	0.00	0.69	430	140	0	0	300	0.072	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	700	800	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	4300	0.025	0.025
Maximum	0.08	0.025	0.25	0.25	10	20	0.05	0.05	800	900	0.25	0.25	0.0025	NA	0.25	0.25	0.3	1.5	1000	400	0.05	0.05	4800	0.15	0.025
% of values undetected	67%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	67%		100%	100%	100%	100%	67%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	0	0	0	0	3	3	0	0	1		0	0	0	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.667	2.560	1000	1000	0.493	0.495	NA	NA	NA	NA	0.012	0.012	NA	NA	15.10	15.05	NA	NA	5	4.6	NA	0.326446926	0.277
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP75										
Sample Date										
08/03/07	**1200**	**1300**	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.2**	**1**	**1**
09/06/07	**1200**	**1300**	0.60	0.70	**0.05**	**0.05**	**0.5**	**0.3**	**1**	**1**
10/27/07	**1200**	**1300**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
06/02/08	1110	1190	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.499**	
08/02/08	1260	1410	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.681**	**0.50**	
09/16/08	1140	1160	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.607**	**0.155**	3.11	1.93
Mean	1190	1280	0.12	0.14	0.050	0.050	0.37	0.27	1.20	1.20
Median	1200	1300	0.028	0.028	0.050	0.050	0.40	0.18	1.00	1.00
St. Deviation	50	90	0.24	0.28	0	0	0.19	0.21	1.00	0.500
# of values	6	6	6	6	6	6	6	6	6	4
Minimum	1110	1160	0.0050	0.0050	0.050	0.050	0.155	0.1	0.499	1
Maximum	1260	1410	0.60	0.70	0.05	0.05	0.607	0.681	3.11	1.93
% of values undetected	0%	0%	83%	83%	100%	100%	67%	50%	67%	75%
# of values between MDL and PQL	3	3	0	0	0	0	2	3	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	16.70	16.47
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP76										
Sample Date										
08/03/07	**1500**	**1600**	**0.05**	**0.05**	0.50	**0.05**	**0.3**	**0.1**	**1**	**1**
09/06/07	**1600**	**1800**	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.2**	**1**	**1**
10/25/07	**1700**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	1600	1700	0.12	0.12	0.20	0.050	0.30	0.27	1.00	1.00
Median	1600	1700	0.050	0.050	0.050	0.050	0.30	0.20	1.00	1.00
St. Deviation	100	100	0.12	0.12	0.26	0	0.20	0.21	0	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1500	1600	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1700	1800	0.25	0.25	0.50	0.05	0.5	0.5	1	1
% of values undetected	0%	0%	100%	100%	67%	100%	67%	67%	100%	100%
# of values between MDL and PQL	3	3	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	34.62	34.13
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP77																					
Sample Date																					
08/03/07	6.83	3.01	11.83	88.1	27	195.9	0.13	12	29	20	**2.5**	**1**	11	0.06			**0.025**		1.0	**0.05**	0.9
09/08/07	6.72	3.26	9.41	70.3	13	207.4	0.06	12	29	20	**2.5**	**1**	12	0.07			**0.005**		1.1	**0.05**	1.0
10/25/07	7.23	2.7	11.87	87.5	15	177.8	0.09	13	30	30	8	**1**	12	0.06			**0.005**		0.9	**0.05**	0.6
Mean	6.93	0	11.0	82.0	18.0	193.7	0.1	12	29	23	4.3	1.00	12.0	0.063	NA	NA	0.012	NA	1.00	0.05	0.830
Median	6.83	3.01	11.8	87.5	15.0	195.9	0.090	12	29	20	2.5	1.00	12.0	0.060	NA	NA	0.005	NA	1.00	0.05	0.900
St. Deviation	0.270	0.000	1.41	10.1	8.0	14.9	0	1	1	6	3.2	0.00	1.0	0.006	NA	NA	0.012	NA	0.100	0	0.210
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.72	2.7	9.41	70.3	13	177.8	0.06	12	29	20	2.5	1	11	0.06	NA	NA	0.005	NA	0.9	0.05	0.6
Maximum	7.23	3.26	11.87	88.1	27	207.4	0.13	13	30	30	8	1	12	0.07	NA	NA	0.025	NA	1.1	0.05	1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	0%	0%			100%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	3	3			0		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP78																					
Sample Date																					
08/03/07	7.25	2.82	11.21	83	61	151.4	0.54	27	61	30	18	**1**	28.0	0.08			0.02		1.0	**0.05**	1.6
09/06/07	8.13	2.81	10.48	77.5	62	126.3	0.06	29	59	50	**2.5**	**1**	28.0	0.06			**0.005**		1.0	**0.05**	1.8
10/25/07	8.59	2.53	11.4	83.6	70	205	0.19	27	61	50	**2.5**	**1**	27.0	0.05			**0.005**		0.9	**0.05**	1.2
06/02/08	8.15	3.39	10.67	79.5	60	213.2	0.19	25.7	57	44	**0.153**	**1.57**	28.8	0.021			**0.00155**		0.661	**0.0155**	1.31
08/03/08	8.04	2.7	10.95	80.9	51	180.2	0.19	25.4	38	29	0.8	**1.57**	29.4	0.084			0.0135		0.619	0.035	1.24
09/16/08	8.26	2.83	10.58	78.2	59	205.9	0.15	26.4	59	36	**0.163**	**1.57**	29.6	0.0775			0.0059		0.638	0.037	1.21
11/02/08	6.53	0.86	11.11	78	56	273.4	0.29	26.5	65	39	0.851	**1.57**	29.9	0.132			0.0123		0.652	**0.0155**	1.42
Mean	7.85	3	10.9	80.1	60.0	193.6	0.2	26.7	57	40	3.57	1.33	28.7	0.072	NA	NA	0.009	NA	0.781	0.04	1.40
Median	8.13	2.81	11.0	79.5	60.0	205.0	0.19	26.5	59	39	0.851	1.57	28.8	0.078	NA	NA	0.006	NA	0.661	0.04	1.31
St. Deviation	0.710	1.000	0.350	2.50	6.0	47.5	0.2	1.2	9	9	6.44	0.300	1.0	0.034	NA	NA	0.006	NA	0.177	0.02	0.230
# of values	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	6.53	0.86	10.48	77.5	51	126.3	0.06	25.4	38	29	0.153	1	27.0	0.021	NA	NA	0.00155	NA	0.619	0.0155	1.2
Maximum	8.59	3.39	11.4	83.6	70	273.4	0.54	29	65	50	18	1.57	29.9	0.132	NA	NA	0.02	NA	1.0	0.05	1.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	100%	0%	0%			43%		0%	71%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	3	0	0	5			2		3	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP77																									
Sample Date																									
08/03/07	**0.0025**	**0.0025**			**0.025**	10	13	**0.2**	**0.2**	**0.6**	**0.25**	1.60		**0.05**	**0.05**	**20**	**20**	1.40	2.20	**0.05**	**0.05**	3500	3800	0.50	**0.4**
09/08/07	**0.0025**	**0.0025**			**0.025**	20	6.0	**0.2**	**0.2**	**0.25**	**0.25**	1.50		**0.05**	**0.05**	**20**	**20**	2.40	1.80	**0.05**	**0.05**	3900	4000	**0.05**	**0.05**
10/25/07	**0.0025**	**0.0025**			**0.025**	7.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.60		**0.05**	**0.05**	**20**	**20**	**1.5**	1.70	**0.05**	**0.05**	3600	4300	**0.05**	0.60
Mean	0.0025	0.0025	NA	NA	0.025	12	7.2	0.20	0.2	0.37	0.25	1.90	NA	0.0500	0.0500	20.0	20.0	1.80	1.90	0.05	0.05	3700	4000	0.20	0.35
Median	0.0025	0.0025	NA	NA	0.025	10	6.0	0.20	0.2	0.25	0.25	1.60	NA	0.0500	0.0500	20.0	20.0	1.50	1.80	0.05	0.05	3600	4000	0.050	0.40
St. Deviation	0	0	NA	NA	0.00	7.0	5.3	0.00	0	0.20	0	0.600	NA	0	0	0	0.0	0.600	0.300	0	0	200	300	0.26	0.28
# of values	3	3	0	0	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	7	2.5	0.2	0.2	0.25	0.25	1.5	NA	0.05	0.05	20	20	1.4	1.7	0.05	0.05	3500	3800	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.025	20	13	0.2	0.2	0.6	0.25	2.6	NA	0.05	0.05	20	20	2.4	2.2	0.05	0.05	3900	4300	0.5	0.6
% of values undetected	100%	100%			100%	0%	33%	100%	100%	67%	100%	0%		100%	100%	100%	100%	33%	0%	100%	100%	0%	0%	67%	33%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0		0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.40	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.056	0.056	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP78																									
Sample Date																									
08/03/07	**0.0025**	0.015			**0.025**	237	33	**0.2**	**0.2**	8.6	7.3	4.70	4.20	**0.05**	**0.05**	**50**	**20**	1.20		**0.05**	**0.05**	10100	9600	1.0	**0.4**
09/06/07	**0.0025**	**0.0025**			**0.025**	12	6.0	**0.2**	**0.2**	6.2	6.0	3.20	3.60	**0.05**	**0.05**	**20**	**20**	1.10	1.30	**0.05**	**0.05**	9500	10100	**0.05**	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.25**	23	7.0	**0.2**	**0.2**	6.5	6.2	5.00	4.40	**0.05**	**0.05**	**20**	**20**	2.10	2.00	**0.05**	**0.05**	9400	9700	1.1	**0.25**
06/02/08	**0.0025**	**0.00075**			0.40	7.6	5.2	0.070	0.07	6.8	6.9	3.08	3.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9120	9070	0.51	0.665
08/03/08	**0.00075**	**0.00075**			**0.050**	17	5.6	0.11	0.1	7.2	7.3	3.89	4.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9050	9780	0.74	0.735
09/16/08	**0.00075**	**0.00075**			**0.050**	6.3	4.6	0.13	0.1	6.5	6.8	3.15	3.61	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9370	9340	0.68	0.642
11/02/08	**0.00075**	**0.00075**			0.111	13	7.1	0.14	0.2	7.3	7.9	2.85	3.11	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9400	10000	0.46	0.486
Mean	0.0018	0.0033	NA	NA	0.13	45	9.8	0.15	0.2	7.0	6.9	3.70	3.80	0.0286	0.0286	12.9	8.58	1.34	1.38	0.03	0.03	9420	9660	0.65	0.49
Median	0.0025	0.00075	NA	NA	0.050	13	6.0	0.14	0.2	6.8	6.9	3.20	3.61	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.01	0.008	9400	9700	0.68	0.49
St. Deviation	0.00090	0.0052	NA	NA	0.14	85	10	0.050	0.05	0.80	0.65	0.850	0.600	0.0200	0.0200	18.9	10.7	0.340	0.300	0.02	0.02	340	360	0.35	0.20
# of values	7	7	0	0	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7
Minimum	0.00075	0.00075	NA	NA	0.025	6.3	4.6	0.070	0.07	6.2	6.0	2.85	3.10	0.0125	0.0125	0.0075	0.0075	1.10	1.25	0.0075	0.0075	9050	9070	0.05	0.25
Maximum	0.0025	0.015	NA	NA	0.40	237	33	0.2	0.2	8.6	7.9	5.00	4.43	0.05	0.05	50	20	2.10	2.00	0.05	0.05	10100	10100	1.1	0.735
% of values undetected	100%	100%			71%	0%	0%	43%	43%	0%	0%	0%	0%	100%	100%	86%	100%	57%	67%	100%	100%	0%	0%	14%	29%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.38	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.098	0.095	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	14%	NA	NA	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP77																									
Sample Date																									
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	70	**0.05**	**0.05**	**400**	**600**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	4100	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**500**	**600**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4200	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**500**	**600**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.05**	4400	**0.025**	**0.025**
Mean	0.025	0.0250	0.25	0.25	10	30	0.050	0.050	470	600	0.25	0.25	0.00095	NA	0.25	0.25	0.30	0.30	430	150	0.12	0.050	4200	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	500	600	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	150	150	0.050	0.050	4200	0.025	0.025
St. Deviation	0	0	0	0	0	35	0	0	60	0	0	0	0.0013	NA	0	0	0	0.00	490	0	0.12	0	200	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	400	600	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	4100	0.025	0.025
Maximum	0.025	0.025	0.25	0.25	10	70	0.05	0.05	500	600	0.25	0.25	0.00250	NA	0.25	0.25	0.3	0.3	1000	150	0.25	0.05	4400	0.025	0.025
% of values undetected	100%	100%	100%	100%	100%	67%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	3	3	0	0	0		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.524	1.463	1000	1000	0.214	0.235	NA	NA	NA	NA	0.012	0.012	NA	NA	8.68	8.65	NA	NA	5	4.6	NA	0.105825839	0.090
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP78																									
Sample Date																									
08/03/07	**0.07**	**0.025**	**0.25**	**0.25**	220	**25**	**0.2**	**0.05**	**600**	**800**	14	**1.3**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	4400	**0.025**	**0.025**
09/06/07	**0.08**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**700**	**800**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**400**	**0.05**	**0.05**	4100	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**30**	**10**	**0.05**	**0.05**	**600**	**700**	6.4	**0.25**	**0.000582**		**0.25**	**0.25**	**0.3**	**0.3**	**700**	**400**	**0.05**	**0.05**	4800	**0.025**	**0.025**
06/02/08	**0.0050**	**0.0162**	**0.0250**		23	25	**0.0155**	**0.0155**	716	749	0.58	0.45	**0.00075**		0.079	0.087	**0.144**		330	348	**0.155**	**0.155**	4780	**0.0031**	**0.0031**
08/03/08	0.0256	**0.0195**	1.2	0.17	48	39	**0.0759**	**0.0155**	688	839	8.6	0.41	**0.00075**		0.13	0.17	0.33	0.46	319	379	**0.155**	**0.155**	4890	**0.0031**	**0.0031**
09/16/08	**0.0050**	0.0234	0.18		**15.6**	**19.7**	**0.0155**	**0.0155**	726	777	0.72	0.075	**0.00188**		0.14	0.18	**0.100**	0.28	338	362	**0.155**	**0.155**	4680	**0.0031**	**0.0031**
11/02/08	**0.0142**	**0.0147**	0.21	0.29	30	25	**0.0155**	**0.0155**	729	802	0.73	0.17	**0.00075**		0.11	0.11	0.43	0.44	334	373	**0.155**	**0.155**	4940	**0.0031**	**0.0031**
Mean	0.032	0.0213	0.34	0.24	54	22	0.0603	0.030	680	781	4.5	0.41	0.0011	NA	0.17	0.18	0.27	0.35	470	345	0.11	0.11	4660	0.013	0.013
Median	0.025	0.0234	0.25	0.25	30	25	0.05	0.016	700	800	0.73	0.25	0.00075	NA	0.14	0.18	0.30	0.30	334	373	0.16	0.16	4780	0.0031	0.0031
St. Deviation	0.031	0.00440	0.40	0.040	74	10	0.0658	0.018	56	45	5.5	0.41	0.00082	NA	0.076	0.069	0.11	0.080	270	88	0.056	0.056	300	0.012	0.012
# of values	7	7	7	5	7	7	7	7	7	7	7	7	7	0	7	7	7	6	7	7	7	7	7	7	7
Minimum	0.0050	0.0147	0.0250	0.17	10	10	0.0155	0.0155	600	700	0.25	0.075	0.000169	NA	0.079	0.087	0.100	0.28	300	150	0.05	0.05	4100	0.0031	0.0031
Maximum	0.08	0.025	1.2	0.29	220	39	0.2	0.05	729	839	14	1.3	0.00250	NA	0.25	0.25	0.43	0.46	1000	400	0.155	0.155	4940	0.025	0.025
% of values undetected	43%	43%	57%	60%	14%	43%	71%	100%	0%	0%	14%	29%	71%		43%	43%	57%	50%	14%	14%	100%	100%	0%	100%	100%
# of values between MDL and PQL	3	3	0	0	2	1	2	0	3	3	0	1	2		0	0	1	0	2	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.901	2.785	1000	1000	0.558	0.553	NA	NA	NA	NA	0.012	0.012	NA	NA	16.41	16.36	NA	NA	5	4.6	NA	0.386683904	0.329
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP77										
Sample Date										
08/03/07	**1400**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.1**	**1**	**1**
09/08/07	**1500**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**1**
10/25/07	**1300**	**1500**	**0.05**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1400	1500	0.050	0.12	0.050	0.050	0.17	0.10	2.30	1.00
Median	1400	1500	0.050	0.050	0.050	0.050	0.10	0.10	1.00	1.00
St. Deviation	100	0	0	0.12	0	0	0.12	0	2.30	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1300	1500	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1500	1500	0.05	0.25	0.05	0.05	0.3	0.1	5	1
% of values undetected	0%	0%	100%	100%	100%	100%	67%	100%	100%	100%
# of values between MDL and PQL	3	3	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	19.87	19.60
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP78										
Sample Date										
08/03/07	**1600**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	1.7	1.2	**1**	**3**
09/06/07	**1800**	**1800**	**0.25**	**0.25**	**0.05**	**0.05**	1.3	1.1	**1**	**1**
10/25/07	**1700**	**1700**	**0.25**	**0.25**	**0.05**	**0.05**	1.3	1.3	**1**	**5**
06/02/08	1690	1760	**0.0050**	**0.0050**	**0.050**	**0.050**	1.1	1.1	**0.358**	
08/03/08	1640	1810	**0.0050**	**0.0050**	**0.050**	**0.050**	1.0	1.0	**0.50**	
09/16/08	1720	1710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.865**	1.0	**0.50**	**0.50**
11/02/08	1730	1860	**0.0050**	**0.0050**	**0.050**	**0.050**	1.2	1.3	1.48	1.65
Mean	1700	1760	0.081	0.081	0.050	0.050	1.2	1.1	0.800	2.20
Median	1700	1760	0.0050	0.0050	0.050	0.050	1.2	1.1	1.00	1.65
St. Deviation	60	60	0.12	0.12	0	0	0.27	0.10	0.400	1.80
# of values	7	7	7	7	7	7	7	7	7	5
Minimum	1600	1700	0.0050	0.0050	0.050	0.050	0.865	1.0	0.358	0.50
Maximum	1800	1860	0.25	0.25	0.05	0.05	1.7	1.3	1.48	5
% of values undetected	0%	0%	100%	100%	100%	100%	0%	0%	71%	60%
# of values between MDL and PQL	3	3	0	0	0	0	1	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	37.63	37.10
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP79																					
Sample Date																					
08/03/07	6.97	3.21	10.06	75.2	61	159.6	0.11	32	75	40	**10**	**1**	34.0	0.150			**0.02**		**1.0**	**0.05**	**2.1**
09/06/07	6.84	3.2	9.59	71.9	70	157.2	0.05	34	73	60	**2.5**	**1**	34.0	0.100			**0.005**		**1.0**	**0.05**	**2.5**
10/25/07	7.39	3.15	10.58	79	75	216.3	0.14	35	75	60	**2.5**	**1**	33.0	**0.08**			**0.01**		**0.9**	**0.05**	**1.8**
Mean	7.07	0	10.1	75.4	69.0	177.7	0.00	34	74	53	5.0	1.00	34.0	0.110	NA	NA	0.012	NA	1.00	0.05	2.10
Median	6.97	3.20	10.1	75.2	70.0	159.6	0.11	34	75	60	2.5	1.00	34.0	0.100	NA	NA	0.010	NA	1.00	0.05	2.10
St. Deviation	0.290	0.000	0.500	3.60	7.0	33.5	0.000	2	1	12	4.3	0.00	1.0	0.040	NA	NA	0.008	NA	0.100	0.00	0.400
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.84	3.15	9.59	71.9	61	157.2	0.05	32	73	40	2.5	1	33	0.08	NA	NA	0.005	NA	0.9	0.05	1.8
Maximum	7.39	3.21	10.58	79	75	216.3	0.14	35	75	60	10	1	34	0.150	NA	NA	0.02	NA	1.0	0.05	2.5
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	0%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	1			2		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP80																					
Sample Date																					
08/04/07	7.41	3.65	8.89	67.3	68	33.8	0.08	31	73	40	**2.5**	**1**	33.0	0.130			**0.02**		**1.1**	**0.05**	**1.6**
09/07/07	7.15	3.88	9.81	74.7	68	156.3	0.1	34	71	50	**2.5**	**1**	34.0	0.150			**0.005**		**1.0**	**0.05**	**1.8**
10/25/07	7.56	3.03	11.04	82.1	61	171	0.11	29	68	50	**6**	**1**	31.0	0.100			**0.005**		**0.8**	**0.05**	**1.2**
Mean	7.37	0	9.91	74.7	66	120.0	0.00	31	71	47	3.7	1.00	33.0	0.130	NA	NA	0.010	NA	1.00	0.05	1.50
Median	7.41	3.65	9.81	74.7	68	156.3	0.10	31	71	50	2.5	1.00	33.0	0.130	NA	NA	0.005	NA	1.00	0.05	1.60
St. Deviation	0.210	0.000	1.08	7.40	4.0	75.0	0.000	3	3	6	2.0	0.00	2.0	0.030	NA	NA	0.009	NA	0.200	0	0.300
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	7.15	3.03	8.89	67.3	61	33.8	0.08	29	68	40	2.5	1	31.0	0.100	NA	NA	0.005	NA	0.8	0.05	1.2
Maximum	7.56	3.88	11.04	82.1	68	171	0.11	34	73	50	6	1	34.0	0.150	NA	NA	0.02	NA	1.1	0.05	1.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	0%	0%			67%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	0			1		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP81																					
Sample Date																					
08/04/07	7.87	3.3	9.53	71.4	66	13.1	1.24	30	72	40	**2.5**	**1**	33.0	**0.09**			**0.02**		**1.0**	**0.05**	**1.2**
09/07/07	8.16	3.37	10.42	78.1	67	187.8	0.23	32	68	40	**2.5**	**1**	33.0	**0.09**			**0.005**		**0.9**	**0.05**	**1.5**
10/25/07	7.86	3.29	11.09	83.1	63	173.4	0.08	31	72	40	**2.5**	**1**	34.0	**0.08**			**0.005**		**0.8**	**0.05**	**0.9**
Mean	7.96	0	10.4	77.5	65	124.8	1	31	71	40	2.5	1.00	33.0	0.087	NA	NA	0.010	NA	0.900	0.05	1.20
Median	7.87	3.30	10.4	78.1	66	173.4	0.23	31	72	40	2.5	1.00	33.0	0.090	NA	NA	0.005	NA	0.900	0.05	1.20
St. Deviation	0.170	0.000	0.780	5.90	2.0	97.0	1	1	2	0	0	0.00	1.0	0.006	NA	NA	0.009	NA	0.100	0	0.300
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	7.86	3.29	9.53	71.4	63	13.1	0.08	30	68	40	2.5	1	33.0	0.08	NA	NA	0.005	NA	0.8	0.05	0.9
Maximum	8.16	3.37	11.09	83.1	67	187.8	1.24	32	72	40	2.5	1	34.0	0.09	NA	NA	0.02	NA	1.0	0.05	1.5
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			67%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	3			1		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP79																									
Sample Date																									
08/03/07	**0.05**	0.015			**0.025**	6.0	8.0	**0.2**	**0.2**	5.5	6	2.20		**0.05**	**0.05**	**80**	**20**	1.60	2.40	**0.05**	**0.05**	11000	10500	0.80	**0.30**
09/06/07	**0.0025**	**0.0025**			**0.025**	**2.5**	7.0	**0.2**	**0.2**	6.1	5.5	2.80	2.90	**0.05**	**0.05**	**20**	**20**	1.80	2.50	**0.05**	**0.05**	10500	11400	**0.05**	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.025**	11	**2.5**	**0.2**	**0.2**	5.5	5.9	3.70		**0.05**	**0.05**	**20**	**20**	2.50	2.90	**0.05**	**0.05**	11200	11700	1	0.60
Mean	0.018	0.0067	NA	NA	0.025	6.5	5.8	0.20	0.2	5.7	5.8	2.90	2.90	0.0500	0.0500	40.0	20.0	2.00	2.60	0.05	0.05	10900	11200	0.62	0.38
Median	0.0025	0.0025	NA	NA	0.025	6.0	7.0	0.20	0.2	5.5	5.9	2.80	2.90	0.0500	0.0500	20.0	20.0	1.80	2.50	0.05	0.05	11000	11400	0.80	0.30
St. Deviation	0.027	0.0072	NA	NA	0	4.3	2.9	0.00	0	0.30	0.30	0.800	NA	0.0000	0.0000	35.0	0	0.500	0.300	0	0	400	600	0.50	0.19
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	5.5	5.5	2.20	2.90	0.05	0.05	20	20	1.60	2.40	0.05	0.05	10500	10500	0.05	0.25
Maximum	0.05	0.015	NA	NA	0.025	11	8.0	0.2	0.2	6.1	6	3.70	2.90	0.05	0.05	80	20	2.50	2.90	0.05	0.05	11200	11700	1	0.60
% of values undetected	100%	100%			100%	33%	33%	100%	100%	0%	0%	0%	0%	100%	100%	67%	100%	0%	0%	100%	100%	0%	0%	33%	33%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.20	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.117	0.112	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP80																									
Sample Date																									
08/04/07	**0.0025**	0.015			**0.025**	31	13	**0.2**	**0.2**	2.8	3.1	38.8	41.4	**0.05**	**0.05**	**20**	**20**	1.40		**0.05**	**0.05**	10900	10500	0.60	**0.2**
09/07/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	2.7	2.9	38.9	34.9	**0.05**	**0.05**	**20**	**20**	1.70	1.60	**0.05**	**0.05**	10800	11300	**0.25**	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.025**	**2.5**	6.0	**0.2**	**0.2**	2.4	2.4	38.7	36.5	**0.05**	**0.05**	**20**	**20**	**1.5**	1.60	**0.05**	**0.05**	9700	9900	**0.05**	
Mean	0.0025	0.0067	NA	NA	0.025	12	7.2	0.20	0.2	2.6	2.8	38.8	37.6	0.0500	0.0500	20.0	20.0	1.50	1.60	0.05	0.05	10500	10600	0.30	0.20
Median	0.0025	0.0025	NA	NA	0.025	2.5	6.0	0.20	0.2	2.7	2.9	38.8	36.5	0.0500	0.0500	20.0	20.0	1.50	1.60	0.05	0.05	10800	10500	0.25	0.20
St. Deviation	0	0.0072	NA	NA	0.00	17	5.3	0.00	0	0.20	0.40	0.100	3.40	0	0	0	0	0.200	0.00	0	0	700	700	0.28	0
# of values	3	3	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	2.4	2.4	38.7	34.9	0.05	0.05	20	20	1.40	1.60	0.05	0.05	9700	9900	0.05	0.2
Maximum	0.0025	0.015	NA	NA	0.025	31	13	0.2	0.2	2.8	3.1	38.9	41.4	0.05	0.05	20	20	1.70	1.60	0.05	0.05	10900	11300	0.60	0.25
% of values undetected	100%	100%			100%	67%	33%	100%	100%	0%	0%	0%	0%	100%	100%	100%	100%	33%	0%	100%	100%	0%	0%	67%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	5.46	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.109	0.104	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP81																									
Sample Date																									
08/04/07	**0.0025**	0.015			**0.025**	45	6.0	**0.2**	**0.2**	2.7	3.0	8.00	8.10	**0.05**	**0.05**	**20**	**20**	1.20		**0.05**	**0.05**	11400	10500	0.70	**0.3**
09/07/07	**0.0025**	**0.0025**			**0.025**	12	**2.5**	**0.2**	**0.2**	3.3	2.7	7.40	6.80	**0.05**	**0.05**	**20**	**20**	2.50	1.40	**0.05**	**0.05**	10700	11100	**0.05**	**0.25**
10/25/07	**0.0025**	**0.0025**			**0.025**	6.0	10	**0.2**	**0.2**	2.4	2.4	9.60	8.60	**0.05**	**0.05**	**20**	**20**	1.60	1.50	**0.05**	**0.05**	11200	10900	**0.25**	**0.25**
Mean	0.0025	0.0067	NA	NA	0.025	21	6.2	0.20	0.2	2.8	2.7	8.30	7.80	0.0500	0.0500	20.0	20.0	1.80	1.50	0.05	0.05	11100	10800	0.33	0.27
Median	0.0025	0.0025	NA	NA	0.025	12	6.0	0.20	0.2	2.7	2.7	8.00	8.10	0.0500	0.0500	20.0	20.0	1.60	1.50	0.05	0.05	11200	10900	0.25	0.25
St. Deviation	0	0.0072	NA	NA	0	21	3.8	0.00	0	0.50	0.30	1.10	0.900	0	0	0	0	0.700	0.100	0	0	400	300	0.33	0.030
# of values	3	3	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	6.0	2.5	0.2	0.2	2.4	2.4	7.40	6.80	0.05	0.05	20	20	1.20	1.40	0.05	0.05	10700	10500	0.05	0.25
Maximum	0.0025	0.015	NA	NA	0.025	45	10	0.2	0.2	3.3	3.0	9.60	8.60	0.05	0.05	20	20	2.50	1.50	0.05	0.05	11400	11100	0.70	0.3
% of values undetected	100%	100%			100%	0%	33%	100%	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	2.95	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.111	0.107	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP79																									
Sample Date																									
08/03/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1300	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	4800	**0.025**	**0.025**
09/06/07	**0.09**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1400	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**1.5**	**0.3**	**600**	**500**	**0.1**	**0.05**	4400	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1400	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**2**	**800**	**700**	**0.05**	**0.05**	5800	**0.025**	**0.025**
Mean	0.047	0.0250	0.25	0.25	10	10	0.050	0.050	1100	1400	0.25	0.25	0.00017	NA	0.25	0.25	0.70	0.87	800	730	0.067	0.050	5000	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	1100	1400	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	800	700	0.050	0.050	4800	0.025	0.025
St. Deviation	0.038	0	0	0	0	0	0	0	100	100	0	0	0	NA	0	0	0.69	0.98	200	250	0.029	0	700	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1100	1300	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	600	500	0.05	0.05	4400	0.025	0.025
Maximum	0.09	0.025	0.25	0.25	10	10	0.05	0.05	1200	1400	0.25	0.25	0.000169	NA	0.25	0.25	1.5	2	1000	1000	0.1	0.05	5800	0.025	0.025
% of values undetected	67%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	67%	33%	33%	67%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	1	2	2	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.542	3.401	1000	1000	0.752	0.719	NA	NA	NA	NA	0.012	0.012	NA	NA	20.00	19.94	NA	NA	5	4.6	NA	0.577979024	0.491
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP80																									
Sample Date																									
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**1**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	5000	**0.025**	**0.025**
09/07/07	**0.07**	**0.025**	**2.6**	**0.25**	**10**	**25**	**0.05**	**0.05**	1200	1300	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	5100	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1100	1100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**300**	**0.05**	**0.05**	5100	**0.025**	**0.025**
Mean	0.04	0.0250	1.0	0.25	15	15	0.050	0.050	1100	1200	0.25	0.50	0.00095	NA	0.25	0.25	0.30	0.30	480	480	0.050	0.050	5100	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	1100	1200	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	300	300	0.050	0.050	5100	0.025	0.025
St. Deviation	0.026	0	1.4	0	9.0	9.0	0	0	100	100	0	0.43	0.0013	NA	0	0	0	0	450	450	0	0	100	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1100	1100	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	5000	0.025	0.025
Maximum	0.07	0.025	2.6	0.25	25	25	0.05	0.05	1200	1300	0.25	1	0.00250	NA	0.25	0.25	0.3	0.3	1000	1000	0.05	0.05	5100	0.025	0.025
% of values undetected	67%	100%	67%	100%	100%	100%	100%	100%	0%	0%	100%	67%	100%		100%	100%	100%	100%	67%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	1	0	0	0	0	0	0	0	0	1	0		0	0	0	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.258	3.128	1000	1000	0.664	0.644	NA	NA	NA	NA	0.012	0.012	NA	NA	18.41	18.36	NA	NA	5	4.6	NA	0.488493155	0.415
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP81																									
Sample Date																									
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**900**	**900**	6	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5700	**0.025**	**0.025**
09/07/07	**0.09**	**0.025**	**0.25**	**0.25**	**10**	**30**	**0.05**	**0.05**	1000	1000	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**150**	**0.05**	**0.05**	5300	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.25**	1000	1000	**0.25**	**0.25**	0.0165		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	5800	**0.025**	**0.025**
Mean	0.047	0.0250	0.25	0.25	20	17	0.050	0.12	1000	1000	2.2	0.25	0.0064	NA	0.25	0.25	0.30	0.30	480	150	0.050	0.050	5600	0.025	0.025
Median	0.025	0.0250	0.25	0.25	25	10	0.050	0.050	1000	1000	0.25	0.25	0.0025	NA	0.25	0.25	0.30	0.30	300	150	0.050	0.050	5700	0.025	0.025
St. Deviation	0.038	0	0	0	9.0	12	0	0.12	100	100	3.3	0	0.0088	NA	0	0	0	0	450	0	0	0	300	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	900	900	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	5300	0.025	0.025
Maximum	0.09	0.025	0.25	0.25	25	30	0.05	0.25	1000	1000	6	0.25	0.0165	NA	0.25	0.25	0.3	0.3	1000	150	0.05	0.05	5800	0.025	0.025
% of values undetected	67%	100%	100%	100%	100%	67%	100%	100%	0%	0%	67%	100%	67%		100%	100%	100%	100%	67%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	0	1	0	0	1	1	0	0	0		0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.344	3.210	1000	1000	0.690	0.667	NA	NA	NA	NA	0.012	0.012	NA	NA	18.89	18.83	NA	NA	5	4.6	NA	0.514676514	0.437
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP79										
Sample Date										
08/03/07	2200	2400	**0.05**	**0.05**	**0.05**	**0.05**	1.5	1.5	**1**	**1**
09/06/07	2400	2600	**0.25**	**0.05**	**0.05**	**0.05**	1.9	1.3	**5**	**1**
10/25/07	2500	2600	**0.25**	**0.25**	**0.05**	**0.05**	1.6	1.1	**1**	**5**
Mean	2400	2500	0.18	0.12	0.050	0.050	1.7	1.3	2.30	2.30
Median	2400	2600	0.25	0.050	0.050	0.050	1.6	1.3	1.00	1.00
St. Deviation	200	100	0.12	0.12	0	0	0.20	0.20	2.30	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2200	2400	0.05	0.05	0.05	0.05	1.5	1.1	1	1
Maximum	2500	2600	0.25	0.25	0.05	0.05	1.9	1.5	5	5
% of values undetected	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	45.87	45.23
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP80										
Sample Date										
08/04/07	**1900**	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.8**	**0.8**	**1**	**1**
09/07/07	2000	2200	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.8**	**1**	**1**
10/25/07	**1700**	**1900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	1900	2100	0.050	0.050	0.050	0.050	0.60	0.70	1.00	1.00
Median	1900	2100	0.050	0.050	0.050	0.050	0.50	0.80	1.00	1.00
St. Deviation	200	200	0	0	0	0	0.17	0.17	0	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1700	1900	0.05	0.05	0.05	0.05	0.5	0.5	1	1
Maximum	2000	2200	0.05	0.05	0.05	0.05	0.8	0.8	1	1
% of values undetected	0%	0%	100%	100%	100%	100%	33%	33%	100%	100%
# of values between MDL and PQL	2	1	0	0	0	0	2	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	42.22	41.63
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP81										
Sample Date										
08/04/07	2000	2000	**0.05**	**0.05**	**0.05**	**0.05**	**0.8**	**0.9**	**1**	**5**
09/07/07	2000	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.9**	**1**	**1**
10/25/07	2000	2100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**5**	**5**
Mean	2000	2100	0.050	0.050	0.050	0.050	0.60	0.77	2.30	3.70
Median	2000	2100	0.050	0.050	0.050	0.050	0.50	0.90	1.00	5.00
St. Deviation	0	100	0	0	0	0	0.17	0.23	2.30	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2000	2000	0.05	0.05	0.05	0.05	0.5	0.5	1	1
Maximum	2000	2100	0.05	0.05	0.05	0.05	0.8	0.9	5	5
% of values undetected	0%	0%	100%	100%	100%	100%	67%	33%	100%	67%
# of values between MDL and PQL	0	0	0	0	0	0	1	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	43.32	42.72
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP82																					
Sample Date																					
08/04/07	7.58	3.21	9.72	72.8	30	36.9	0.26	12	33	20	**8**	**1**	**12**	0.210			**0.02**		**1.7**	**0.05**	**0.8**
09/09/07	6.17	3.25	10.26	76.8	24	214.3	0.17	12	33	30	**2.5**	**1**	**13**	0.220			**0.005**		**1.0**	**0.05**	**0.9**
10/28/07	6.14	3.09	10.53	78.4	30	115.9	0.009	14	36	40	**2.5**	**1**	**10**	0.220			**0.01**		**0.9**	**0.05**	**0.7**
Mean	6.63	0	10.2	76.0	28.0	122.4	0	13	34	30	4.3	1.00	12.0	0.220	NA	NA	0.012	NA	1.20	0.05	0.800
Median	6.17	3.21	10.3	76.8	30.0	115.9	0.17	12	33	30	2.5	1.00	12.0	0.220	NA	NA	0.010	NA	1.00	0.05	0.800
St. Deviation	0.820	0.000	0.410	2.90	3.0	88.9	0	1	2	10	3.2	0.00	2.0	0.010	NA	NA	0.008	NA	0.400	0	0.100
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.14	3.09	9.72	72.8	24	36.9	0.009	12	33	20	2.5	1	10	0.210	NA	NA	0.005	NA	0.9	0.05	0.7
Maximum	7.58	3.25	10.53	78.4	30.0	214.3	0.26	14	36	40	8	1	13	0.220	NA	NA	0.02	NA	1.7	0.05	0.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	33%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	2	0			2		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP83																					
Sample Date																					
08/04/07	7.29	2.99	9.1	67.6	41	29.3	0.33	18	44	30	**16**	**1**	**18**	0.210			**0.02**		**1.0**	**0.05**	**1.0**
09/09/07	6.38	4.08	10.21	78.1	42	201.4	0.12	18	45	30	**2.5**	**1**	20.0	0.200			**0.005**		**1.0**	**0.05**	**1.0**
10/28/07	6.41	3.55	10.36	78.3	37	111.8	0.05	17	44	40	**2.5**	**1**	**10**	0.190			**0.005**		**0.9**	**0.05**	**0.7**
Mean	6.69	0	9.89	74.7	40.0	114.2	0	18	44	33	7.0	1.00	16.0	0.200	NA	NA	0.010	NA	1.00	0.05	0.900
Median	6.41	3.55	10.2	78.1	41.0	111.8	0.12	18	44	30	2.5	1.00	18.0	0.200	NA	NA	0.005	NA	1.00	0.05	1.00
St. Deviation	0.520	0.000	0.690	6.10	3.0	86.1	0	1	1	6	7.8	0.00	5.0	0.010	NA	NA	0.009	NA	0.100	0	0.200
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.38	2.99	9.1	67.6	37	29.3	0.05	17	44	30	2.5	1	10	0.19	NA	NA	0.005	NA	0.9	0.05	0.7
Maximum	7.29	4.08	10.36	78.3	42	201.4	0.33	18	45	40	16	1	20.0	0.21	NA	NA	0.02	NA	1.0	0.05	1.0
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	33%	0%			67%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	1	0			1		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP82																									
Sample Date																									
08/04/07	**0.015**	0.015			**0.025**	12	12	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.10		**0.05**	**0.05**	3400	3700	0.60	**0.3**
09/09/07	**0.0025**	**0.0025**			**0.025**	8.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**	**0.25**	**0.05**	**0.05**	**20**	**20**	2.20	1.30	**0.05**	**0.05**	3600	3700	**0.25**	**0.25**
10/28/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**5**	**0.2**	**0.2**	**0.25**	**0.25**	1.60	1.40	**0.05**	**0.05**	**20**	**20**	1.80	**1**	**0.05**	**0.05**	4000	4500	0.60	**0.25**
Mean	0.0067	0.0067	NA	NA	0.025	7.5	6.5	0.20	0.2	0.25	0.25	0.700	0.800	0.0500	0.0500	20.0	20.0	1.70	1.00	0.05	0.05	3700	4000	0.48	0.27
Median	0.0025	0.0025	NA	NA	0.025	8.0	5.0	0.20	0.2	0.25	0.25	0.250	0.800	0.0500	0.0500	20.0	20.0	1.80	1.00	0.05	0.05	3600	3700	0.60	0.25
St. Deviation	0.0072	0.0072	NA	NA	0	4.8	4.9	0.00	0	0	0	0.780	0.800	0	0	0	0	0.600	0.00	0	0	300	500	0.20	0.030
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	0.25	0.25	0.25	0.25	0.05	0.05	20	20	1.10	1	0.05	0.05	3400	3700	0.25	0.25
Maximum	0.015	0.015	NA	NA	0.025	12	12	0.2	0.2	0.25	0.25	1.60	1.40	0.05	0.05	20	20	2.20	1.30	0.05	0.05	4000	4500	0.60	0.3
% of values undetected	100%	100%			100%	33%	67%	100%	100%	100%	100%	67%	50%	100%	100%	100%	100%	0%	50%	100%	100%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.90	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.056	0.056	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP83																									
Sample Date																									
08/04/07	**0.015**	0.015			**0.025**	59	11	**0.2**	**0.2**	**0.25**	**0.6**	0.900	1.30	**0.05**	**0.05**	**50**	**100**	1.20		**0.05**	**0.05**	5500	5400	0.80	**0.2**
09/09/07	**0.0025**	**0.0025**			**0.025**	24	6.0	**0.2**	**0.2**	**0.25**	**0.7**	0.600		**0.05**	**0.05**	**20**	**20**	2.10	1.40	**0.05**	**0.05**	5200	5500	0.60	0.90
10/28/07	**0.0025**	**0.0025**			**0.025**	**2.5**	**2.5**	**0.2**	**0.2**	**0.6**	**0.25**	2.10	0.600	**0.05**	**0.05**	**20**	**20**	2.00	1.80	**0.05**	**0.05**	5400	5200	3.0	**0.25**
Mean	0.0067	0.0067	NA	NA	0.025	29	6.5	0.20	0.2	0.37	0.52	1.20	1.00	0.0500	0.0500	30.0	47.0	1.80	1.60	0.05	0.05	5400	5400	1.5	0.45
Median	0.0025	0.0025	NA	NA	0.025	24	6.0	0.20	0.2	0.25	0.60	0.900	1.00	0.0500	0.0500	20.0	20.0	2.00	1.60	0.05	0.05	5400	5400	0.80	0.25
St. Deviation	0.0072	0.0072	NA	NA	0	29	4.3	0.00	0	0.20	0.24	0.790	0.500	0	0	17.0	46.0	0.500	0.300	0	0	200	200	1.3	0.39
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	0.25	0.25	0.600	0.600	0.05	0.05	20	20	1.20	1.40	0.05	0.05	5200	5200	0.60	0.2
Maximum	0.015	0.015	NA	NA	0.025	59	11	0.2	0.2	0.6	0.7	2.10	1.30	0.05	0.05	50	100	2.10	1.80	0.05	0.05	5500	5500	3.0	0.90
% of values undetected	100%	100%			100%	33%	33%	100%	100%	67%	33%	0%	0%	100%	100%	67%	100%	0%	0%	100%	100%	0%	0%	0%	33%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.76	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.073	0.072	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP82																									
Sample Date																									
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**500**	**700**	**0.5**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5200	**0.025**	**0.025**
09/09/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**600**	**600**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**500**	**0.05**	**0.05**	5800	**0.025**	**0.025**
10/28/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	**500**	**700**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.05**	5500	**0.025**	**0.05**
Mean	0.025	0.0250	0.25	0.25	10	10	0.050	0.12	530	670	0.33	0.25	0.00095	NA	0.25	0.25	0.30	0.30	430	350	0.050	0.050	5500	0.025	0.033
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	500	700	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	150	400	0.050	0.050	5500	0.025	0.025
St. Deviation	0	0	0	0	0	0	0	0.12	60	60	0.14	0	0.0013	NA	0	0	0	0	490	180	0	0	300	0	0.014
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	500	600	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	5200	0.025	0.025
Maximum	0.025	0.025	0.25	0.25	10	10	0.05	0.25	600	700	0.5	0.25	0.00250	NA	0.25	0.25	0.3	0.3	1000	500	0.05	0.05	5800	0.025	0.05
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	67%	100%	100%		100%	100%	100%	100%	100%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	3	3	1	0	0		0	0	0	0	0	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.524	1.463	1000	1000	0.214	0.235	NA	NA	NA	NA	0.012	0.012	NA	NA	8.68	8.65	NA	NA	5	4.6	NA	0.105825839	0.090
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP83																									
Sample Date																									
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	80	**10**	**0.05**	**0.05**	**900**	1000	**1.2**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5600	**0.025**	**0.025**
09/09/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**900**	1000	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.05**	6500	**0.025**	**0.025**
10/28/07	**0.06**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	**800**	**900**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**2.1**	**0.3**	**400**	**400**	**0.05**	**0.05**	6200	**0.025**	**0.025**
Mean	0.037	0.0250	0.25	0.25	33	10	0.050	0.12	870	1000	0.57	0.25	0.0017	NA	0.25	0.25	0.90	0.30	520	320	0.050	0.050	6100	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	900	1000	0.25	0.25	0.0025	NA	0.25	0.25	0.30	0.30	400	400	0.050	0.050	6200	0.025	0.025
St. Deviation	0.02	0	0	0	40	0	0	0.12	60	100	0.55	0	0.0013	NA	0	0	1.0	0	440	140	0	0	500	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	800	900	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	5600	0.025	0.025
Maximum	0.06	0.025	0.25	0.25	80	10	0.05	0.25	900	1000	1.2	0.25	0.00250	NA	0.25	0.25	2.1	0.3	1000	400	0.05	0.05	6500	0.025	0.025
% of values undetected	67%	100%	100%	100%	67%	100%	100%	100%	0%	0%	67%	100%	100%		100%	100%	67%	100%	67%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	0	0	0	0	3	1	1	0	0		0	0	1	0	1	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.063	1.980	1000	1000	0.336	0.352	NA	NA	NA	NA	0.012	0.012	NA	NA	11.71	11.67	NA	NA	5	4.6	NA	0.194604683	0.165
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP82										
Sample Date										
08/04/07	**1800**	**1900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.2**	**0.3**	**1**	**1**
09/09/07	2000	2000	**0.05**	**0.25**	**0.05**	**0.05**	**0.5**	**0.6**	**1**	**5**
10/28/07	2100	2200	0.60	0.60	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	2000	2000	0.23	0.30	0.050	0.050	0.40	0.33	1.00	2.30
Median	2000	2000	0.050	0.25	0.050	0.050	0.50	0.30	1.00	1.00
St. Deviation	200	200	0.32	0.28	0	0	0.17	0.25	0	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1800	1900	0.05	0.05	0.05	0.05	0.2	0.1	1	1
Maximum	2100	2200	0.60	0.60	0.05	0.05	0.5	0.6	1	5
% of values undetected	0%	0%	67%	67%	100%	100%	67%	33%	100%	100%
# of values between MDL and PQL	1	1	0	0	0	0	1	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	19.87	19.60
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP83										
Sample Date										
08/04/07	2100	2200	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.6**	**1**	**3**
09/09/07	2200	2300	**0.05**	**0.25**	**0.05**	**0.1**	**0.5**	**0.6**	**1**	**5**
10/28/07	2200	2200	**0.25**	**0.25**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
Mean	2200	2200	0.12	0.18	0.050	0.067	0.50	0.57	1.00	3.00
Median	2200	2200	0.050	0.25	0.050	0.050	0.50	0.60	1.00	3.00
St. Deviation	100	100	0.12	0.12	0	0.029	0	0.060	0	2.00
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2100	2200	0.05	0.05	0.05	0.05	0.5	0.5	1	1
Maximum	2200	2300	0.25	0.25	0.05	0.1	0.5	0.6	1	5
% of values undetected	0%	0%	100%	100%	100%	67%	67%	33%	100%	67%
# of values between MDL and PQL	0	0	0	0	0	1	1	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	26.83	26.46
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

2004-2008 Mine Study Area, Surface Water Analytical Results Summary- Seeps

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP84																					
Sample Date																					
08/04/07	7.47	2.95	9.12	68.1	61	19	0.42	27	62	40	**2.5**	**1**	29.0	0.260			**0.03**		**1.1**	**0.1**	**1.3**
09/07/07	7.57	3.08	10.6	78.9	59	200.1	0.07														
09/08/07	8	3.04	9.17	68.2	61	209.5	0.17	28	64	40	**2.5**	**1**	30.0	0.280			**0.02**		**1.1**	**0.05**	**1.6**
10/25/07	8.06	2.91	11.71	86.8	48	202.4	0.17	22	52	20	**2.5**	**1**	23.0	0.160			**0.02**		**0.9**	**0.05**	**0.8**
06/02/08	8.1	2.71	10.74	79.4	52	220.8	0.14	22	52	35	**0.163**	**1.57**	25.2	0.226			0.028		0.709	**0.041**	1.01
08/02/08	7.34	2.88	10.56	78.4	38	243.4	0.06	25.8	38	36	**0.1545**	**1.57**	29.0	0.316			0.026		0.722	**0.051**	1.10
09/16/08	7.8	3.12	10.41	77.5	61	225.8	0.14	26	63	46	**0.150**	**1.57**	29.9	0.329			0.022		0.681	**0.045**	1.04
11/03/08	7.6	2.66	10.43	77.7	62	211.4	0.16	23.3	67	30	**0.150**	**1.57**	28.0	0.308			0.023		0.684	**0.042**	1.09
Mean	7.70	0	10.3	76.9	55	191.6	0	25	57	35	1.16	1.33	28.0	0.268	NA	NA	0.024	NA	0.842	0.05	1.10
Median	7.70	0	10.5	78.1	60.0	210.5	0	25.8	62	36	0.163	1.57	29.0	0.280	NA	NA	0.023	NA	0.722	0.05	1.09
St. Deviation	0.300	0.000	0.850	6.10	9.0	71.1	0	2	10	8	1.25	0.300	3.0	0.060	NA	NA	0.004	NA	0.191	0.02	0.300
# of values	8	8	8	8	8	8	8	7	7	7	7	7	7	7	0	0	7	0	7	7	7
Minimum	7.34	2.66	9.12	68.1	38	19	0.06	22	38	20	0.150	1	23.0	0.160	NA	NA	0.02	NA	0.681	0.041	0.8
Maximum	8.1	3.12	11.71	86.8	62	243.4	0.42	28	67	46	2.5	1.57	30.0	0.329	NA	NA	0.03	NA	1.1	0.1	1.6
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			0%		0%	29%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			3		3	5	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP85																					
Sample Date																					
08/05/07	6.91	2.86	9.96	73.7	52	210.9	0.23	23	53	30	**2.5**	**1**	21.0	0.740			**0.02**		**0.9**	**0.05**	3.00
09/07/07	6.42	3.01	10.13	75.6	30	171.6	0.13	25	55	40	**2.5**	**1**	23.0	0.290			**0.005**		**0.9**	**0.05**	3.50
10/26/07	6.58	2.67	7.06	52	51	162.7	0.06	22	51	50	**2.5**	**1**	20.0	0.310			**0.005**		**0.8**	**0.05**	**2.1**
Mean	6.64	0	9.05	67.1	44	181.7	0	23	53	40	2.5	1.00	21.0	0.450	NA	NA	0.010	NA	0.870	0.05	2.90
Median	6.58	2.86	9.96	73.7	51	171.6	0.13	23	53	40	2.5	1.00	21.0	0.310	NA	NA	0.005	NA	0.900	0.05	3.00
St. Deviation	0.250	0.000	1.73	13.1	12	25.6	0.000	2	2	10	0	0.00	2.0	0.250	NA	NA	0.009	NA	0.060	0	0.700
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.42	2.67	7.06	52	30	162.7	0.06	22	51	30	2.5	1	20.0	0.290	NA	NA	0.005	NA	0.8	0.05	2.1
Maximum	6.91	3.01	10.13	75.6	52	210.9	0.23	25	55	50	2.5	1	23.0	0.740	NA	NA	0.02	NA	0.9	0.05	3.50
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			67%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			1		3	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP84																									
Sample Date																									
08/04/07	**0.015**	**0.0025**			**0.025**	32	9.0	**0.2**	**0.2**	5.5	5.7	1.10	1.60	**0.05**	**0.05**	**20**	**20**	1.60	1.40	**0.05**	**0.05**	9400	9000	0.60	
09/07/07																									
09/08/07	**0.0025**	**0.0025**			**0.025**	9.0	6.0	**0.2**	**0.2**	5.6	5.7	0.900		**0.05**	**0.05**	**20**	**20**	2.20	2.20	**0.05**	**0.05**	9500	9200	**0.05**	0.60
10/25/07	**0.015**	**0.0025**			**0.025**	45	13	**0.2**	**0.2**	5.7	5.4	2.50	3.00	**0.05**	**0.05**	**20**	**20**	1.70	1.80	**0.05**	**0.05**	7500	7400	0.80	0.80
06/02/08	**0.00075**	**0.00075**			0.31	4.3	3.7	0.057	0.06	5.9	6.0	0.657	0.754	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7360	7240	0.63	0.67
08/02/08	**0.00075**	**0.00075**			**0.0506**	3.4	3.2	0.12	0.1	4.7	4.6	0.749	0.797	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8680	8550	0.88	0.83
09/16/08	**0.00075**	**0.00075**			**0.050**	3.3		0.11	0.1	4.9	4.8	0.743		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.67**	**0.0075**	**0.0075**	8700	8230	0.98	1
11/03/08	**0.00075**	**0.0015**			**0.050**	5.3		0.16	0.1	4.9	5.0	0.775	0.730	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7820	7970	0.76	0.751
Mean	0.0051	0.0016	NA	NA	0.077	15	7.0	0.15	0.1	5.3	5.3	1.06	1.38	0.0286	0.0286	8.5757	8.58	1.50	1.69	0.03	0.03	8400	8230	0.67	0.77
Median	0.00075	0.0015	NA	NA	0.050	5.3	6.0	0.16	0.1	5.5	5.4	0.775	0.797	0.0125	0.0125	0.0075	0.00750	1.25	1.40	0.01	0.008	8680	8230	0.76	0.78
St. Deviation	0.0068	0.00090	NA	NA	0.10	17	4.1	0.056	0.06	0.48	0.50	0.651	0.980	0.0200	0.0200	10.6864	10.7	0.360	0.560	0.02	0.02	900	750	0.30	0.14
# of values	7	7	0	0	7	7	5	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	6
Minimum	0.00075	0.00075	NA	NA	0.025	3.3	3.2	0.057	0.06	4.7	4.6	0.657	0.730	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	7360	7240	0.05	0.60
Maximum	0.015	0.0025	NA	NA	0.31	45	13	0.2	0.2	5.9	6.0	2.50	3.00	0.05	0.05	20	20	2.20	2.67	0.05	0.05	9500	9200	0.98	1
% of values undetected	100%	86%			71%	0%	0%	43%	43%	0%	0%	0%	0%	100%	100%	100%	100%	57%	43%	100%	100%	0%	0%	14%	0%
# of values between MDL and PQL	0	1			1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	4.79	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.088	0.086	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP85																									
Sample Date																									
08/05/07	**0.015**	**0.0025**			**0.025**	18	19	**0.2**	**0.2**	**0.25**	**0.25**	1.90		**0.05**	**0.05**	**20**	**20**	1.30		**0.05**	**0.05**	6800	7200	**0.1**	**0.3**
09/07/07	**0.0025**	**0.0025**			**0.025**	8.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.80	2.30	**0.05**	**0.05**	**20**	**20**	1.80	1.30	**0.05**	**0.05**	7000	7700	**0.25**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.25**	7.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	3.00	3.40	**0.05**	**0.05**	**20**	**20**	1.40	1.70	**0.05**	**0.05**	6400	6700	0.70	**0.25**
Mean	0.0067	0.0025	NA	NA	0.10	11	8.0	0.20	0.2	0.25	0.25	2.20	2.90	0.0500	0.0500	20.0	20.0	1.50	1.50	0.05	0.05	6700	7200	0.35	0.27
Median	0.0025	0.0025	NA	NA	0.025	8.0	2.5	0.20	0.2	0.25	0.25	1.90	2.90	0.0500	0.0500	20.0	20.0	1.40	1.50	0.05	0.05	6800	7200	0.25	0.25
St. Deviation	0.0072	0	NA	NA	0.13	6.1	9.5	0.00	0	0	0	0.700	0.800	0.0000	0	0	0	0.30	0.300	0	0	300	500	0.31	0.030
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	7.0	2.5	0.2	0.2	0.25	0.25	1.80	2.30	0.05	0.05	20	20	1.30	1.30	0.05	0.05	6400	6700	0.1	0.25
Maximum	0.015	0.0025	NA	NA	0.25	18	19	0.2	0.2	0.25	0.25	3.00	3.40	0.05	0.05	20	20	1.80	1.70	0.05	0.05	7000	7700	0.70	0.3
% of values undetected	100%	100%			100%	0%	67%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.72	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.088	0.086	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP84																									
Sample Date																									
08/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**20**	**10**	**0.05**	**0.05**	**900**	1100	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.2**	**0.05**	5800	**0.025**	**0.025**
09/07/07																									
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1000	1100	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**300**	**500**	**0.05**	**0.05**	5900	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.9**	**25**	**10**	**0.05**	**0.25**	**900**	**900**	**0.6**	**0.25**	**0.00188**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**300**	**0.05**	**0.05**	6000	**0.025**	**0.05**
06/02/08	**0.0050**	**0.0126**	**0.0250**		**15.6**	**17.3**	**0.0155**	**0.0319**	887	896	0.056		**0.00075**		0.11	0.11	**0.118**		341	353	**0.155**	**0.155**	6090	**0.0031**	**0.0031**
08/02/08	**0.0104**	**0.0108**	**0.050**	0.12	21	22	**0.0155**	**0.0155**	1000	993	0.058	0.052	**0.00075**		0.22	0.23	0.21	0.25	358	355	**0.155**	**0.155**	6030	**0.0031**	**0.0031**
09/16/08	**0.0050**	**0.0132**	**0.0832**		**19.2**	22	**0.0155**	**0.0562**	1030	974	**0.0250**		**0.00075**		0.21	0.23	**0.100**	0.24	366	360	**0.155**	**0.155**	5630	**0.0031**	**0.0031**
11/03/08	**0.0123**	**0.0128**	0.101	0.12	22	23	**0.0155**	**0.0155**	913	924	0.080	0.084	**0.00075**		0.15	0.15	0.33	0.37	338	345	**0.155**	**0.155**	5830	**0.0031**	**0.0031**
Mean	0.015	0.0178	0.14	0.33	19	16	0.030	0.067	950	984	0.19	0.18	0.0011	NA	0.21	0.21	0.24	0.29	529	340	0.13	0.11	5900	0.013	0.016
Median	0.0123	0.0132	0.10	0.25	20	17	0.016	0.050	913	974	0.080	0.25	0.00075	NA	0.22	0.23	0.30	0.30	358	353	0.16	0.16	5900	0.0031	0.0031
St. Deviation	0.009	0.00680	0.10	0.33	5.0	6.0	0.018	0.082	60	87	0.20	0.10	0.00081	NA	0.050	0.06	0.10	0.05	322	100	0.058	0.056	160	0.012	0.018
# of values	7	7	7	5	7	7	7	7	7	7	7	5	7	0	7	7	7	6	7	7	7	7	7	7	7
Minimum	0.0050	0.0108	0.025	0.12	10	10	0.0155	0.0155	887	896	0.025	0.052	0.000169	NA	0.11	0.11	0.100	0.24	300	150	0.05	0.05	5630	0.0031	0.0031
Maximum	0.025	0.025	0.25	0.9	25	23	0.05	0.25	1030	1100	0.6	0.25	0.00250	NA	0.25	0.25	0.33	0.37	1000	500	0.2	0.155	6090	0.025	0.05
% of values undetected	71%	43%	71%	40%	29%	43%	100%	71%	0%	0%	43%	60%	86%		43%	43%	57%	50%	14%	14%	86%	100%	0%	100%	100%
# of values between MDL and PQL	2	4	1	1	3	1	0	2	2	1	1	0	1		0	0	1	0	2	2	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.558	2.456	1000	1000	0.463	0.468	NA	NA	NA	NA	0.012	0.012	NA	NA	14.49	14.45	NA	NA	5	4.6	NA	0.300169795	0.255
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP85																									
Sample Date																									
08/05/07	**0.025**	**0.025**	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.2**	**0.05**	5400	**0.025**	**0.025**
09/07/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**25**	**0.05**	**0.05**	1200	1300	**0.25**	**0.25**	**0.00250**		**0.25**	**1.5**	**0.3**	**1.5**	**150**	**400**	**0.1**	**0.2**	5900	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1000	1200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**700**	**150**	**0.05**	**0.05**	6000	**0.15**	**0.025**
Mean	0.025	0.0250	0.25	0.33	10	15	0.050	0.050	1100	1200	0.25	0.25	0.00095	NA	0.25	0.67	0.30	0.70	620	230	0.12	0.10	5800	0.067	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	1100	1200	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	700	150	0.10	0.050	5900	0.025	0.025
St. Deviation	0	0	0	0.14	0	9.0	0	0	100	100	0	0	0.0013	NA	0	0.72	0	0.69	430	140	0.080	0.087	300	0.072	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1000	1200	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	5400	0.025	0.025
Maximum	0.025	0.025	0.25	0.5	10	25	0.05	0.05	1200	1300	0.25	0.25	0.00250	NA	0.25	1.5	0.3	1.5	1000	400	0.2	0.2	6000	0.15	0.025
% of values undetected	100%	100%	100%	67%	100%	100%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	100%	67%	67%	33%	67%	0%	100%	100%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	0	0	0	0	0		0	0	0	0	1	1	2	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.568	2.465	1000	1000	0.466	0.471	NA	NA	NA	NA	0.012	0.012	NA	NA	14.55	14.50	NA	NA	5	4.6	NA	0.302520416	0.257
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP84										
Sample Date										
08/04/07	2300	2400	0.60	0.50	**0.05**	**0.05**	2.7	2.5	**1**	**1**
09/07/07										
09/08/07	2400	2400	0.70	0.80	**0.05**	**0.05**	2.6	2.7	**1**	**5**
10/25/07	2400	2100	**0.05**	0.60	**0.05**	**0.25**	3.0	2.8	**1**	**1**
06/02/08	2150	2200	**0.0050**	**0.0050**	**0.050**	**0.050**	2.8	2.8	**0.458**	**0.994**
08/02/08	2290	2250	**0.0050**	**0.0050**	**0.050**	**0.050**	2.5	2.4	1.04	
09/16/08	2330	2180	**0.0050**	**0.0050**	**0.050**	**0.050**	2.3	2.3	**0.155**	1.30
11/03/08	2180	2220	**0.0050**	**0.0050**	**0.113**	**0.050**	2.5	2.5	3.11	1.71
Mean	2290	2300	0.20	0.27	0.059	0.079	2.6	2.6	1.11	2.00
Median	2300	2220	0.0050	0.0050	0.050	0.050	2.6	2.5	1.00	1.00
St. Deviation	100	100	0.31	0.35	0.024	0.076	0.20	0.21	0.950	2.00
# of values	7	7	7	7	7	7	7	7	7	6
Minimum	2150	2100	0.0050	0.0050	0.05	0.05	2.3	2.3	0.155	0.994
Maximum	2400	2400	0.70	0.80	0.113	0.25	3.0	2.8	3.11	5
% of values undetected	0%	0%	71%	57%	86%	100%	0%	0%	57%	50%
# of values between MDL and PQL	0	0	0	0	1	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	33.22	32.75
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP85										
Sample Date										
08/05/07	2100	2300	**0.05**	**0.1**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/07/07	2200	2300	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/26/07	2300	2200	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**5**
Mean	2200	2300	0.050	0.067	0.050	0.050	0.23	0.10	1.00	3.70
Median	2200	2300	0.050	0.050	0.050	0.050	0.10	0.10	1.00	5.00
St. Deviation	100	100	0	0.029	0	0	0.23	0	0	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2100	2200	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	2300	2300	0.05	0.1	0.05	0.05	0.5	0.1	1	5
% of values undetected	0%	0%	100%	67%	100%	100%	100%	100%	100%	100%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	33.34	32.88
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP86																					
Sample Date																					
08/05/07	5.35	3.42	11.06	83.1	30	254.6	0.24	10	32	30	**2.5**	**1**	**1**	0.360			**0.005**		**0.9**	**0.05**	8.00
09/08/07	5.68	4.04	8.43	64.5	31	246.9	0.1	11	32	20	**2.5**	**1**	**1**	0.310			**0.005**		**0.9**	**0.05**	9.00
10/23/07	4.8	3.31	8.32	62.4	30	291.8	0.08	10	31	20	**2.5**	**1**	**1**	0.430			**0.005**		**0.9**	**0.05**	7.40
08/02/08	7.34	3.92	10.44	80.2	35	262.4	0.09	9.61	22	24	1.4	**4.46**	**1.55**	0.581			**0.00155**		0.605	**0.0155**	7.42
09/16/08	5.54	4.94	9.22	72.1	32	218		9.72	36	29	**0.426**	**7.12**	**1.55**	0.394			**0.00155**		0.464	**0.039**	7.12
11/02/08	5.85	2.49	10.31	75.6	32	265.1	0.11	8.82	34	13	1.33	**4.18**	**1.55**	0.469			**0.008**		0.646	**0.0155**	7.83
Mean	5.76	4	9.60	73.0	32	256.5	0	10	31	23	1.8	3.10	1.3	0.420	NA	NA	0.004	NA	0.740	0.04	7.80
Median	5.61	4	9.80	73.9	32	258.5	0.10	10	32	22	2.0	2.60	1.3	0.410	NA	NA	0.005	NA	0.770	0.04	7.60
St. Deviation	0.850	1.000	1.10	8.30	2.0	24.2	0.000	1	5	6	0.90	2.50	0.3	0.090	NA	NA	0.003	NA	0.190	0.02	0.700
# of values	6	6	6	6	6	6	5	6	6	6	6	6	6	6	0	0	6	0	6	6	6
Minimum	4.8	2.49	8.32	62.4	30	218	0.08	8.82	22	13	0.426	1	1	0.310	NA	NA	0.00155	NA	0.464	0.0155	7.12
Maximum	7.34	4.94	11.06	83.1	35	291.8	0.24	11	36	30	2.5	7.12	1.55	0.581	NA	NA	0.008	NA	0.9	0.05	9.00
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	100%	0%			83%		0%	83%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	3	0	0			1		3	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP87																					
Sample Date																					
08/05/07	5.48	3.28	11.02	82.4	41	252.6	0.6	16	42	30	**2.5**	**1**	**9**	0.670			**0.005**		**1.1**	**0.05**	5.70
09/08/07	5.48	3.46	9.51	71.8	29	253.9	0.11	16	41	30	**2.5**	**1**	**9**	0.670			**0.005**		**1.0**	**0.05**	5.50
10/23/07	5.58	3.66	6.42	63.8	39	259.4	0.14	15	41	30	**6**	**1**	**8**	0.800			**0.005**		**0.9**	**0.05**	5.20
Mean	5.51	0	8.98	72.7	36	255.3	0	16	41	30	3.7	1.00	8.7	0.710	NA	NA	0.005	NA	1.00	0.05	5.50
Median	5.48	3.46	9.51	71.8	39	253.9	0.14	16	41	30	2.5	1.00	9.0	0.670	NA	NA	0.005	NA	1.00	0.05	5.50
St. Deviation	0.060	0.000	2.34	9.30	6.0	3.6	0	1	1	0	2.0	0.00	0.6	0.080	NA	NA	0	NA	0.100	0	0.300
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	5.48	3.28	6.42	63.8	29	252.6	0.11	15	41	30	2.5	1	8	0.670	NA	NA	0.005	NA	0.9	0.05	5.20
Maximum	5.58	3.66	11.02	82.4	41	259.4	0.6	16	42	30	6	1	9	0.800	NA	NA	0.005	NA	1.1	0.05	5.70
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	0%	0%			100%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	3	0			0		3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP86																									
Sample Date																									
08/05/07	**0.05**	0.015			**0.025**	156	60	**0.2**	**0.2**	**0.25**	**0.25**	5.20	5.80	**0.05**	**0.05**	**20**	**20**	1.10	1.80	**0.05**	**0.05**	2600	3100	**0.2**	**0.05**
09/08/07	**0.0025**	**0.0025**			**0.025**	137	80	**0.2**	**0.2**	**0.25**	**0.25**	5.30	5.60	**0.05**	**0.05**	**20**	**20**	1.90	1.50	**0.05**	**0.05**	2800	3300	**0.05**	**0.05**
10/23/07	**0.015**	**0.0025**			**0.025**	120	66	**0.2**	**0.2**	**0.25**	**0.25**	6.00	6.60	**0.05**	**0.05**	**20**	**20**	1.60	1.60	**0.05**	**0.05**	2400	3000	**0.25**	**0.25**
08/02/08	**0.00075**	**0.00075**			**0.0427**	62	35	**0.0075**	**0.0075**	**0.155**	**0.155**	5.11	5.31	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0204**	**0.0159**	2980	3080	**0.186**	0.30
09/16/08	**0.0025**	**0.00075**			0.15	67	43	**0.0075**	**0.0075**	**0.155**	**0.155**	6.73	8.17	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0276**	**0.0293**	3020		0.31	0.39
11/02/08	**0.00075**	**0.00075**			**0.050**	64	52	**0.0075**	**0.0075**	**0.155**	**0.155**	5.49	5.53	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0386**	**0.0259**	2700	2710	**0.113**	**0.127**
Mean	0.012	0.004	NA	NA	0.050	101	56	0.10	0.1	0.20	0.20	5.60	6.20	0.0310	0.0310	10.0	10.0	1.40	1.40	0.04	0.04	2800	3000	0.19	0.20
Median	0.0030	0.002	NA	NA	0.030	93	56	0.10	0.1	0.20	0.20	5.40	5.70	0.0310	0.0310	10.0	10.0	1.30	1.40	0.04	0.04	2800	3080	0.19	0.20
St. Deviation	0.019	0.006	NA	NA	0.050	42	16	0.10	0.1	0.050	0.050	0.600	1.10	0.0210	0.0210	11.0	11.0	0.300	0.200	0.01	0.02	200	200	0.090	0.10
# of values	6	6	0	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6
Minimum	0.00075	0.00075	NA	NA	0.025	62	35	0.0075	0.0075	0.155	0.155	5.11	5.31	0.0125	0.0125	0.0075	0.0075	1.10	1.25	0.0204	0.0159	2400	2710	0.05	0.05
Maximum	0.05	0.015	NA	NA	0.15	156	80	0.2	0.2	0.25	0.25	6.73	8.17	0.05	0.05	20	20	1.90	1.80	0.05	0.05	3020	3300	0.31	0.39
% of values undetected	100%	100%			67%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	50%	50%	50%	50%	0%	0%	33%	50%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	3	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.08	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.046	0.046	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	17%	NA	NA	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP87																									
Sample Date																									
08/05/07	**0.015**	**0.0025**			**0.025**	15	14	**0.2**	**0.2**	**0.25**	**0.25**	5.90	6.40	**0.05**	**0.05**	**20**	**20**	1.00	1.00	**0.2**	**0.1**	5400	5600	**0.1**	**0.4**
09/08/07	**0.0025**	**0.0025**			**0.025**	17	8.0	**0.2**	**0.2**	**0.25**	**0.25**	5.20	5.70	**0.05**	**0.05**	**20**	**20**	1.40	1.40	**0.2**	**0.1**	5400	5500	**0.05**	**0.05**
10/23/07	**0.0025**	**0.0025**			**0.025**	17	9.0	**0.2**	**0.2**	**0.9**	**0.25**	5.50	6.60	**0.05**	**0.05**	**20**	**20**	1.20	**0.5**	**0.25**	**0.25**	5300	5200	0.90	**0.25**
Mean	0.0067	0.0025	NA	NA	0.025	16	10	0.20	0.2	0.47	0.25	5.50	6.20	0.0500	0.0500	20.0	20.0	1.20	1.00	0.2	0.2	5400	5400	0.35	0.23
Median	0.0025	0.0025	NA	NA	0.025	17	9.0	0.20	0.2	0.25	0.25	5.50	6.40	0.0500	0.0500	20.0	20.0	1.20	1.00	0.2	0.1	5400	5500	0.10	0.25
St. Deviation	0.0072	0	NA	NA	0	1.0	3.2	0.00	0	0.38	0	0.400	0.500	0	0	0	0	0.200	0.500	0.0	0.09	100	200	0.48	0.18
# of values	3	3	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	15	8.0	0.2	0.2	0.25	0.25	5.20	5.70	0.05	0.05	20	20	1.00	0.5	0.2	0.1	5300	5200	0.05	0.05
Maximum	0.015	0.0025	NA	NA	0.025	17	14	0.2	0.2	0.9	0.25	5.90	6.60	0.05	0.05	20	20	1.40	1.40	0.25	0.25	5400	5600	0.90	0.4
% of values undetected	100%	100%			100%	0%	0%	100%	100%	67%	100%	0%	0%	100%	100%	100%	100%	0%	33%	33%	33%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	2	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.05	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.067	0.066	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP86																									
Sample Date																									
08/05/07	0.44	0.380	**0.7**	**0.25**	**10**	**10**	**0.05**	**0.05**	**400**	**600**	9.2	7.9	**0.000169**		**0.25**	**0.25**	**0.3**	**0.9**	**150**	**150**	**0.2**	**0.1**	4700	**0.025**	**0.025**
09/08/07	0.48	0.430	**0.25**	**0.5**	**10**	**10**	**0.05**	**0.05**	**500**	**600**	10	9.0	**0.00250**		**0.25**	**0.25**	**1.5**	**1.5**	**150**	**150**	**0.2**	**0.2**	4700	**0.025**	**0.025**
10/23/07	0.44	0.460	**0.5**	**0.25**	**10**	**10**	**0.05**	**0.05**	**400**	**500**	8.5	9.2	**0.000169**		**0.25**	**0.25**	**0.8**	**1**	**150**	**150**	**0.25**	**0.25**	5000	**0.025**	**0.025**
08/02/08	0.283	0.261	0.36	0.34	26	**14.4**	**0.0155**	**0.0155**	528	578	7.1	6.6	**0.00075**		**0.0250**	**0.0250**	0.69	0.80	189	202	**0.155**	**0.155**	4600	**0.0031**	**0.0031**
09/16/08	0.386	0.386	0.54	0.61	**7.16**	**3.10**	**0.055**	**0.0313**	526		19	20	**0.00075**		**0.0396**	0.079	0.54		194		**0.155**	**0.155**	5000	**0.0031**	**0.0031**
11/02/08	0.278	0.272	0.46		**10.9**	**11**	**0.0424**	**0.0384**	504	521	6.8	6.9	**0.00075**		**0.0075**	**0.0075**	0.66		239	251	**0.155**	**0.155**	5030	**0.0031**	**0.0123**
Mean	0.38	0.360	0.47	0.39	12	10	0.040	0.039	480	560	10	10	0.00080	NA	0.14	0.14	0.70	1.0	179	180	0.19	0.17	4800	0.014	0.016
Median	0.41	0.380	0.48	0.34	10	10	0.050	0.044	500	578	9.0	8.0	0.00080	NA	0.14	0.16	0.70	1	170	150	0.18	0.16	4900	0.014	0.019
St. Deviation	0.09	0.0800	0.15	0.16	7.0	4.0	0.010	0.014	60	50	5.0	5.0	0.00090	NA	0.12	0.12	0.40	0	36	50	0.040	0.050	200	0.012	0.011
# of values	6	6	6	5	6	6	6	6	6	5	6	6	6	0	6	6	6	4	6	5	6	6	6	6	6
Minimum	0.278	0.261	0.25	0.25	7.16	3.10	0.0155	0.0155	400	500	6.8	6.6	0.000169	NA	0.0075	0.0075	0.3	0.80	150	150	0.155	0.1	4600	0.0031	0.0031
Maximum	0.48	0.460	0.7	0.61	26	14.4	0.055	0.05	528	600	19	20	0.00250	NA	0.25	0.25	1.5	1.5	239	251	0.25	0.25	5030	0.025	0.025
% of values undetected	0%	0%	17%	40%	50%	67%	67%	67%	0%	0%	0%	0%	100%		83%	83%	33%	25%	50%	60%	67%	67%	0%	100%	83%
# of values between MDL and PQL	0	0	2	1	2	2	2	2	3	3	0	0	0		1	0	1	2	0	0	2	2	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.194	1.146	1000	1000	0.149	0.170	NA	NA	NA	NA	0.012	0.012	NA	NA	6.81	6.79	NA	NA	5	4.6	NA	0.064736342	0.055
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP87																									
Sample Date																									
08/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**300**	**500**	**0.7**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**150**	**0.2**	**0.1**	4900	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	360	**10**	**0.05**	**0.05**	**400**	**500**	**0.5**	**0.25**	0.0159		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.1**	**0.2**	4700	**0.025**	**0.025**
10/23/07	**0.025**	**0.025**	**0.25**	**1.4**	**10**	**10**	**0.25**	**0.05**	**300**	**400**	**0.9**	**0.25**	**0.000908**		**0.25**	**0.25**	**0.3**	**0.8**	**150**	**150**	**0.25**	**0.25**	4300	**0.025**	**0.025**
Mean	0.025	0.0250	0.25	0.63	127	10	0.12	0.050	330	470	0.70	0.25	0.0057	NA	0.25	0.25	0.30	0.47	430	150	0.18	0.18	4600	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	300	500	0.70	0.25	0.00091	NA	0.25	0.25	0.30	0.30	150	150	0.20	0.20	4700	0.025	0.025
St. Deviation	0	0	0	0.66	202	0	0.12	0	60	60	0.20	0	0.0089	NA	0	0	0	0.29	490	0	0.080	0.080	300	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	300	400	0.5	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.1	0.1	4300	0.025	0.025
Maximum	0.025	0.025	0.25	1.4	360	10	0.25	0.05	400	500	0.9	0.25	0.0159	NA	0.25	0.25	0.3	0.8	1000	150	0.25	0.25	4900	0.025	0.025
% of values undetected	100%	100%	100%	67%	67%	100%	100%	100%	0%	0%	0%	100%	33%		100%	100%	100%	67%	100%	100%	33%	33%	0%	100%	100%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	3	3	3	0	1		0	0	0	1	0	0	2	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.855	1.780	1000	1000	0.287	0.306	NA	NA	NA	NA	0.012	0.012	NA	NA	10.54	10.51	NA	NA	5	4.6	NA	0.157123204	0.134
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP86										
Sample Date										
08/05/07	**1600**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**2**	**1**
09/08/07	**1600**	**1700**	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
10/23/07	**1700**	**1800**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
08/02/08	1660	1630	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.78	
09/16/08	1600	1910	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	5.91	2.45
11/02/08	1760	1820	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.89	2.21
Mean	1700	1760	0.060	0.060	0.050	0.050	0.13	0.13	2.30	3.10
Median	1600	1750	0.030	0.030	0.050	0.050	0.13	0.13	1.80	2.45
St. Deviation	100	100	0.10	0.10	0	0	0.030	0.030	1.80	1.80
# of values	6	6	6	6	6	6	6	6	6	5
Minimum	1600	1630	0.0050	0.0050	0.050	0.05	0.1	0.1	1	1
Maximum	1760	1910	0.25	0.25	0.05	0.05	0.155	0.155	5.91	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	33%	60%
# of values between MDL and PQL	3	3	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	15.60	15.38
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP87										
Sample Date										
08/05/07	**1900**	**1900**	**0.2**	**0.2**	**0.05**	**0.05**	**0.1**	**0.1**	14.0	14.0
09/08/07	**1900**	**1900**	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	14.0	14.0
10/23/07	**1600**	**1800**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	13.0	14.0
Mean	1800	1900	0.17	0.17	0.050	0.050	0.10	0.23	14.0	14.0
Median	1900	1900	0.20	0.20	0.050	0.050	0.10	0.10	14.0	14.0
St. Deviation	200	100	0.10	0.10	0	0	0	0.23	1.00	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1600	1800	0.05	0.05	0.05	0.05	0.1	0.1	13.0	14.0
Maximum	1900	1900	0.25	0.25	0.05	0.05	0.1	0.5	14.0	14.0
% of values undetected	0%	0%	67%	67%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	3	3	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	24.15	23.81
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP88																					
Sample Date																					
08/05/07	5.9	5.44	11.21	89	25	231.2	0.18	12	27	30	**2.5**	**1**	**9**	0.390			**0.01**		**0.9**	**0.05**	**0.9**
09/05/07	6.49	5.84	9.2	73.7	13	141.3	0.07	13	28	40	**2.5**	**1**	**10**	0.280			**0.005**		**0.9**	**0.05**	**1.2**
10/23/07	6.09	2.01	9.22	66.7	25	247.4	0.1	12	27	20	**2.5**	**1**	**9**	0.140			**0.005**		**0.9**	**0.05**	**0.7**
Mean	6.16	0	9.88	76.5	21	206.6	0	12	27	30	2.5	1.00	9.3	0.270	NA	NA	0.007	NA	0.900	0.05	0.930
Median	6.09	5.44	9.22	73.7	25	231.2	0.10	12	27	30	2.5	1.00	9.0	0.280	NA	NA	0.005	NA	0.900	0.05	0.900
St. Deviation	0.300	0	1.15	11.4	7.0	57.2	0.000	1	1	10	0	0.00	0.6	0.130	NA	NA	0.003	NA	0.000	0	0.250
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	5.9	2.01	9.2	66.7	13	141.3	0.07	12	27	20	2.5	1	9	0.140	NA	NA	0.005	NA	0.9	0.05	0.7
Maximum	6.49	5.84	11.21	89	25	247.4	0.18	13	28	40	2.5	1	10	0.390	NA	NA	0.01	NA	0.9	0.05	1.2
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			67%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	3	0			1		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP89																					
Sample Date																					
08/05/07	6.26	2.95	10.85	80.6	49	223.7	0.48	24	54	40	**2.5**	**1**	22.0	0.250			**0.03**		**1.0**	**0.05**	3.50
09/05/07	6.46	3.01	8.9	66.2	52	155	0.11	24	56	30	**2.5**	**1**	23.0	0.390			**0.005**		**1.0**	**0.05**	4.20
10/25/07	6.7	3	12.2	89.9	50	228.6	0.08	23	53	40	**2.5**	**1**	**10**	0.230			**0.01**		**0.9**	**0.05**	4.00
Mean	6.47	0	10.7	78.9	50.0	202.4	0	24	54	37	2.5	1.00	18.0	0.290	NA	NA	0.015	NA	1.00	0.05	3.90
Median	6.46	3.00	10.9	80.6	50.0	223.7	0.11	24	54	40	2.5	1.00	22.0	0.250	NA	NA	0.010	NA	1.00	0.05	4.00
St. Deviation	0.220	0.000	1.70	11.9	2.0	41.2	0	1	2	6	0	0.00	7.0	0.090	NA	NA	0.013	NA	0.100	0	0.400
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.26	2.95	8.9	66.2	49	155	0.08	23	53	30	2.5	1	10	0.230	NA	NA	0.005	NA	0.9	0.05	3.50
Maximum	6.7	3.01	12.2	89.9	52	228.6	0.48	24	56	40	2.5	1	23.0	0.390	NA	NA	0.03	NA	1.0	0.05	4.20
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	33%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			2		3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP90																					
Sample Date																					
08/06/07	6.94	2.15	11.75	85.3	17	228	0.14	7	19	30	**2.5**	**1**	**7**	0.110			**0.04**		**1.1**	**0.05**	3.90
09/08/07	5.69	2.54	9.56	70.3	18	174.9	0.06	**3.5**	19	20	**2.5**	**1**	**7**	**0.03**			**0.02**		**0.9**	**0.05**	**0.7**
10/26/07	5.87	1.66	7.69	55.2	20	187.6	0.08	**3.5**	19	40	**2.5**	**1**	**7**	**0.04**			**0.03**		**0.7**	**0.05**	**0.25**
Mean	6.17	2	9.67	70.3	18	196.8	0.09	4.7	19	30	2.5	1.00	7.0	0.060	NA	NA	0.030	NA	0.900	0.05	1.62
Median	5.87	2.15	9.56	70.3	18	187.6	0.080	3.5	19	30	2.5	1.00	7.0	0.040	NA	NA	0.030	NA	0.900	0.05	0.700
St. Deviation	0.680	0.000	2.03	15.1	2.0	27.7	0.04	2	0	10	0	0.00	0.0	0.044	NA	NA	0.010	NA	0.200	0	1.99
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	5.69	1.66	7.69	55.2	17	174.9	0.06	3.5	19	20	2.5	1	7	0.03	NA	NA	0.02	NA	0.7	0.05	0.25
Maximum	6.94	2.54	11.75	85.3	20	228	0.14	7	19	40	2.5	1	7	0.110	NA	NA	0.04	NA	1.1	0.05	3.90
% of values undetected	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	100%	100%	0%	0%			0%		0%	100%	33%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	3	2			3		3	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP88																									
Sample Date																									
08/05/07	**0.015**	0.015			**0.025**	71	28	**0.2**	**0.2**	**0.25**	**0.25**	2.10	1.70	**0.05**	**0.05**	**20**	**20**	1.50	2.00	**0.05**	**0.05**	3900	4200	**0.1**	**0.4**
09/05/07	**0.0025**	**0.0025**			**0.025**	15	8.0	**0.2**	**0.2**	**0.25**	**0.25**	0.900	1.00	**0.05**	**0.05**	**20**	**20**	1.70	1.40	**0.05**	**0.05**	4100	4600	**0.05**	**0.25**
10/23/07	**0.015**	**0.0025**			**0.025**	9.0	9.0	**0.2**	**0.2**	**0.25**	**0.25**	1.80		**0.05**	**0.05**	**20**	**20**	1.20	1.40	**0.05**	**0.05**	3500	4200	**0.25**	**0.25**
Mean	0.011	0.0067	NA	NA	0.025	32	15	0.20	0.2	0.25	0.25	1.60	1.00	0.0500	0.0500	20.0	20.0	1.50	1.60	0.05	0.05	3800	4300	0.13	0.30
Median	0.015	0.0025	NA	NA	0.025	15	9.0	0.20	0.2	0.25	0.25	1.80	1.00	0.0500	0.0500	20.0	20.0	1.50	1.40	0.05	0.05	3900	4200	0.10	0.25
St. Deviation	0.0070	0.0072	NA	NA	0	34	11	0.00	0	0	0	0.600	0.00	0.0000	0	0	0.0	0.300	0.300	0	0	300	200	0.10	0.090
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	9.0	8.0	0.2	0.2	0.25	0.25	0.900	1.00	0.05	0.05	20	20	1.20	1.40	0.05	0.05	3500	4200	0.05	0.25
Maximum	0.015	0.015	NA	NA	0.025	71	28	0.2	0.2	0.25	0.25	2.10	1.70	0.05	0.05	20	20	1.70	2.00	0.05	0.05	4100	4600	0.25	0.4
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.97	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.056	0.056	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP89																									
Sample Date																									
08/05/07	**0.015**	0.015			**0.025**	**2.5**		**0.2**	**0.2**	**0.25**	**0.25**	2.10		**0.05**	**0.05**	**20**	**20**	1.10	2.0	**0.05**	**0.05**	7900	7900	0.80	**0.4**
09/05/07	**0.0025**	**0.0025**			**0.025**	8.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.20	2.40	**0.05**	**0.05**	**20**	**40**	2.50	1.2	**0.05**	**0.05**	7800	8100	**0.05**	
10/25/07	**0.015**	**0.0025**			**0.025**	**5**	6.0	**0.2**	**0.2**	**0.25**	**0.25**	3.00		**0.05**	**0.05**	**20**	**20**	1.50	1.6	**0.05**	**0.05**	7400	7600	0.60	**0.25**
Mean	0.011	0.0067	NA	NA	0.025	5.2	4.0	0.20	0.2	0.25	0.25	2.40	2.40	0.0500	0.0500	20.0	27.0	1.70	1.60	0.05	0.05	7700	7900	0.48	0.30
Median	0.015	0.0025	NA	NA	0.025	5.0	4.0	0.20	0.2	0.25	0.25	2.20	2.40	0.0500	0.0500	20.0	20.0	1.50	1.60	0.05	0.05	7800	7900	0.60	0.30
St. Deviation	0.0070	0.0072	NA	NA	0	2.8	2.0	0.00	0	0	0	0.500	NA	0	0	0	12.0	0.700	0.400	0	0	300	300	0.39	0.10
# of values	3	3	0	0	3	3	2	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	2
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	0.25	0.25	2.10	2.40	0.05	0.05	20	20	1.10	1.2	0.05	0.05	7400	7600	0.05	0.25
Maximum	0.015	0.015	NA	NA	0.025	8.0	6.0	0.2	0.2	0.25	0.25	3.00	2.40	0.05	0.05	20	40	2.50	2.0	0.05	0.05	7900	8100	0.80	0.4
% of values undetected	100%	100%			100%	67%	50%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	33%	50%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.83	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.091	0.089	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	33%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP90																									
Sample Date																									
08/06/07	**0.015**	**0.0025**			**0.025**	13	7.0	**0.2**	**0.2**	**0.25**	**0.25**	0.700		**0.05**	**0.05**	**20**	**20**	**0.8**	1.30	**0.05**	**0.05**	1900	2300	**0.3**	**0.2**
09/08/07	**0.0025**	**0.0025**			**0.025**	7.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	0.700		**0.05**	**0.05**	**20**	**20**	1.40	1.40	**0.05**	**0.05**	2000	2400	**0.05**	**0.05**
10/26/07	**0.015**	**0.0025**			**0.025**	37	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.90	2.00	**0.05**	**0.05**	**20**	**20**	1.40	1.20	**0.05**	**0.05**	1700	1900	**0.25**	**0.25**
Mean	0.011	0.0025	NA	NA	0.025	19	4.0	0.20	0.2	0.25	0.25	1.10	2.00	0.0500	0.0500	20.0	20.0	1.20	1.30	0.05	0.05	1900	2200	0.20	0.17
Median	0.015	0.0025	NA	NA	0.025	13	2.5	0.20	0.2	0.25	0.25	0.700	2.00	0.0500	0.0500	20.0	20.0	1.40	1.30	0.05	0.05	1900	2300	0.25	0.20
St. Deviation	0.0070	0	NA	NA	0	16	2.6	0.00	0	0	0	0.690	NA	0	0	0.0	0	0.300	0.100	0	0	200	300	0.13	0.10
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	7.0	2.5	0.2	0.2	0.25	0.25	0.700	2.00	0.05	0.05	20	20	0.8	1.20	0.05	0.05	1700	1900	0.05	0.05
Maximum	0.015	0.0025	NA	NA	0.025	37	7.0	0.2	0.2	0.25	0.25	1.90	2.00	0.05	0.05	20	20	1.40	1.40	0.05	0.05	2000	2400	0.3	0.25
% of values undetected	100%	100%			100%	0%	67%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.02	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.023	0.024	NA	NA	5.533457638	4.758773569
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP88																									
Sample Date																									
08/05/07	**0.025**	**0.025**	**0.25**	**0.8**	**40**	**20**	**0.05**	**0.05**	**100**	**300**	**1.3**	**0.25**	**0.00250**		5.2	5.2	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	2900	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**200**	**300**	**0.25**	**0.25**	**0.000815**		5.8	6.0	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3100	**0.025**	**0.025**
10/23/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**200**	**300**	**0.25**	**0.25**	**0.00250**		5.7	6.6	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.25**	3200	**0.025**	**0.025**
Mean	0.025	0.0250	0.25	0.43	20	13	0.050	0.050	170	300	0.60	0.25	0.0019	NA	5.6	5.9	0.30	0.30	430	150	0.050	0.12	3100	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	200	300	0.25	0.25	0.0025	NA	5.7	6.0	0.30	0.30	150	150	0.050	0.050	3100	0.025	0.025
St. Deviation	0	0	0	0.32	17	6.0	0	0	60	0	0.61	0	0.0010	NA	0.30	0.70	0	0	490	0	0	0.12	200	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3.0	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.050	0.05	100	300	0.25	0.25	0.000815	NA	5.2	5.2	0.3	0.3	150	150	0.05	0.05	2900	0.025	0.025
Maximum	0.025	0.025	0.25	0.8	40	20	0.050	0.05	200	300	1.3	0.25	0.00250	NA	5.8	6.6	0.3	0.3	1000	150	0.05	0.25	3200	0.025	0.025
% of values undetected	100%	100%	100%	67%	67%	67%	100%	100%	33%	0%	67%	100%	67%		0%	0%	100%	100%	100%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	1	1	1	0	0	2	3	1	0	1		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.524	1.463	1000	1000	0.214	0.235	NA	NA	NA	NA	0.012	0.012	NA	NA	8.68	8.65	NA	NA	5	4.6	NA	0.105825839	0.090
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP89																									
Sample Date																									
08/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	1000	**0.25**	**0.25**	**0.000169**		**0.8**	**0.7**	**0.3**	**0.3**	**1000**	**150**	**0.1**	**0.05**	4500	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**900**	**1000**	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**400**	**300**	**0.05**	**0.05**	4500	**0.025**	**0.025**
10/25/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.25**	**800**	**900**	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**700**	**300**	**0.05**	**0.05**	4700	**0.05**	**0.025**
Mean	0.025	0.0250	0.25	0.25	10	10	0.050	0.12	830	1000	0.25	0.25	0.00017	NA	1.3	1.2	0.30	0.30	700	250	0.067	0.050	4600	0.033	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	800	1000	0.25	0.25	0.00017	NA	1.5	1.5	0.30	0.30	700	300	0.050	0.050	4500	0.025	0.025
St. Deviation	0	0	0	0	0	0	0.000	0.12	60	100	0	0	0	NA	0.40	0.50	0	0.00	300	90	0.029	0	100	0.014	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3.0	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	800	900	0.25	0.25	0.000169	NA	0.8	0.7	0.3	0.3	400	150	0.05	0.05	4500	0.025	0.025
Maximum	0.025	0.025	0.25	0.25	10	10	0.05	0.25	900	1000	0.25	0.25	0.000169	NA	1.5	1.5	0.3	0.3	1000	300	0.1	0.05	4700	0.05	0.025
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%		67%	67%	100%	100%	33%	67%	67%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	3	2	0	0	0		1	1	0	0	2	1	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.667	2.560	1000	1000	0.493	0.495	NA	NA	NA	NA	0.012	0.012	NA	NA	15.10	15.05	NA	NA	5	4.6	NA	0.326446926	0.277
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP90																									
Sample Date																									
08/06/07	**0.025**	**0.025**	**1.1**	**0.25**	60	**10**	**0.05**	**0.05**	**100**	**300**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.5**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.05**	5100	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	4.8	**0.25**	**10**	**10**	**0.05**	**0.05**	**100**	**300**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.05**	5100	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**20**	**10**	**0.05**	**0.25**	**100**	**100**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	4900	**0.025**	**0.025**
Mean	0.025	0.0250	2.1	0.25	30	10	0.050	0.12	100	230	0.25	0.25	0.00095	NA	0.25	0.33	0.30	0.30	150	520	0.050	0.050	5000	0.025	0.025
Median	0.025	0.0250	1.1	0.25	20	10	0.050	0.050	100	300	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	150	400	0.050	0.050	5100	0.025	0.025
St. Deviation	0	0	2.4	0	26	0	0	0.12	0	120	0	0	0.0013	NA	0	0.14	0	0	0	440	0	0	100	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	100	100	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.05	4900	0.025	0.025
Maximum	0.025	0.025	4.8	0.25	60	10	0.05	0.25	100	300	0.25	0.25	0.00250	NA	0.25	0.5	0.3	0.3	150	1000	0.05	0.05	5100	0.025	0.025
% of values undetected	100%	100%	33%	100%	33%	100%	100%	100%	100%	33%	100%	100%	100%		100%	67%	100%	100%	100%	67%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	1	0	1	0	0	0	0	2	0	0	0		0	1	0	0	0	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.532	0.511	1000	1000	0.045	0.057	NA	NA	NA	NA	0.012	0.012	NA	NA	3.06	3.05	NA	NA	5	4.6	NA	0.012711506	0.011
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	67%	0%	0%	0%	100%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP88										
Sample Date										
08/05/07	**1400**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.1**	**1**	**1**
09/05/07	**1200**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.2**	**0.1**	**5**	**1**
10/23/07	**1000**	**1300**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1200	1400	0.050	0.050	0.050	0.050	0.20	0.10	2.30	1.00
Median	1200	1400	0.050	0.050	0.050	0.050	0.20	0.10	1.00	1.00
St. Deviation	200	100	0	0	0	0	0.10	0	2.30	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1000	1300	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1400	1400	0.05	0.05	0.05	0.05	0.3	0.1	5	1
% of values undetected	0%	0%	100%	100%	100%	100%	33%	100%	100%	100%
# of values between MDL and PQL	3	3	0	0	0	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	19.87	19.60
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP89										
Sample Date										
08/05/07	**1900**	**1900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
09/05/07	**1800**	**1900**	**0.25**	0.60	**0.05**	**0.05**	**0.1**	**0.1**	**5**	**5**
10/25/07	**1700**	**1800**	**0.05**	**0.25**	**0.25**	**0.05**	**0.1**	**0.5**	**1**	**1**
Mean	1800	1900	0.12	0.30	0.12	0.050	0.10	0.23	2.30	2.30
Median	1800	1900	0.050	0.25	0.050	0.050	0.10	0.10	1.00	1.00
St. Deviation	100	100	0.12	0.28	0.12	0	0	0.23	2.30	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1700	1800	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1900	1900	0.25	0.60	0.25	0.05	0.1	0.5	5	5
% of values undetected	0%	0%	100%	67%	100%	100%	100%	100%	100%	100%
# of values between MDL and PQL	3	3	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	34.62	34.13
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP90										
Sample Date										
08/06/07	**1700**	**1800**	**0.05**	**0.3**	**0.05**	**0.05**	**0.1**	**0.1**	**2**	**3**
09/08/07	**1900**	**1900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
10/26/07	**1700**	**1800**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**5**
Mean	1800	1800	0.050	0.13	0.050	0.050	0.23	0.10	1.30	3.00
Median	1700	1800	0.050	0.050	0.050	0.050	0.10	0.10	1.00	3.00
St. Deviation	100	100	0	0.14	0	0	0.23	0	0.600	2.00
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1700	1800	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1900	1900	0.05	0.3	0.05	0.05	0.5	0.1	2	5
% of values undetected	0%	0%	100%	67%	100%	100%	100%	100%	67%	67%
# of values between MDL and PQL	3	3	0	1	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	7.00	6.90
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP91																					
Sample Date																					
08/06/07	7.33	3.22	10.62	79.4	31	208.1	0.4	13	35	40	**2.5**	**1**	14	0.220			**0.02**		**0.8**	**0.05**	**0.7**
09/08/07	6.34	3.21	8.77	65.7	33	150.2	0.21	14	35	30	**2.5**	**1**	14	0.210			**0.005**		**0.8**	**0.05**	**0.8**
10/26/07	6.28	3.39	6.77	50.9	22	158.2	0.14	14	35	40	**2.5**	**5**	14	0.100			**0.01**		**0.8**	**0.05**	**0.25**
Mean	6.65	0	8.72	65.3	29	172.2	0	14	35	37	2.5	2.30	14.0	0.180	NA	NA	0.012	NA	0.800	0.05	0.580
Median	6.34	3.22	8.77	65.7	31	158.2	0.21	14	35	40	2.5	1.00	14.0	0.210	NA	NA	0.010	NA	0.800	0.05	0.700
St. Deviation	0.590	0.000	1.93	14.3	6.0	31.4	0	1	0	6	0	2.30	0.0	0.070	NA	NA	0.008	NA	0.000	0	0.290
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.28	3.21	6.77	50.9	22	150.2	0.14	13	35	30	2.5	1	14	0.100	NA	NA	0.005	NA	0.8	0.05	0.25
Maximum	7.33	3.39	10.62	79.4	33	208.1	0.4	14	35	40	2.5	5	14	0.220	NA	NA	0.02	NA	0.8	0.05	0.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			33%		0%	100%	33%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	3	0			2		3	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP92																					
Sample Date																					
08/06/07	7.07	5.11	11.1	87.1	72	160.5	0.11	33	78	60	**2.5**	**1**	22.0	**0.03**			**0.01**		**0.7**	**0.05**	12.7
09/05/07	6.86	5.31	9.22	72.7	81	147.8	0.11	40	90	50	**2.5**	**1**	26.0	**0.04**			**0.005**		**0.9**	**0.05**	16.8
10/26/07	7.14	1.87	10.97	79.1	70	197.3	0.17	31	76	60	**2.5**	**1**	17	**0.01**			**0.005**		**0.9**	**0.05**	13.8
Mean	7.02	0.00	10.4	79.6	74	168.5	0	35	81	57	2.5	1.00	22.0	0.027	NA	NA	0.007	NA	0.830	0.05	14.4
Median	7.07	5.11	11.0	79.1	72	160.5	0.11	33	78	60	2.5	1.00	22.0	0.030	NA	NA	0.005	NA	0.900	0.05	13.8
St. Deviation	0.150	0	1.00	7.20	6.0	25.7	0.000	5	8	6	0	0.00	5.0	0.015	NA	NA	0.003	NA	0.120	0	2.10
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.86	1.87	9.22	72.7	70	147.8	0.11	31	76	50	2.5	1	17	0.01	NA	NA	0.005	NA	0.7	0.05	12.7
Maximum	7.14	5.31	11.1	87.1	81	197.3	0.17	40	90	60	2.5	1	26.0	0.04	NA	NA	0.01	NA	0.9	0.05	16.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	33%			67%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	2			1		3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP93																					
Sample Date																					
08/06/07	6.99	1.78	12.14	87.2	43	161	0.38	19	48	30	**2.5**	**1**	16	0.130			**0.03**		**0.9**	**0.05**	3.60
09/04/07	6.8	1.76	12.41	89.1	37	214	0.08	20	48	30	**2.5**	**1**	17	0.130			**0.02**		**1.5**	**0.05**	4.60
10/22/07	7.23	1.32	11.66	83	50	207	0.05	22	51	30	**2.5**	**1**	10	0.190			**0.005**		**0.9**	**0.05**	5.20
08/02/08	6.96	1.46	12.06	85.9	45	205.8	0.07	19.3	31	49	**0.816**	**1.57**	17.8	0.131			0.033		0.556	**0.0155**	3.42
09/16/08	7.07	1.86	11.35	81.6	47	241.6	0.13	18.6	48	29	**0.1545**	**1.57**	17.8	0.147			0.0253		0.704	**0.074**	3.14
Mean	7.01	0	11.9	85.4	44.0	206.0	0.10	20	45	34	1.7	1.20	16.0	0.150	NA	NA	0.023	NA	0.910	0.05	4.00
Median	6.99	1.76	12.1	85.9	45.0	207.0	0.080	19.3	48	30	2.5	1.00	17.0	0.131	NA	NA	0.025	NA	0.900	0.05	3.60
St. Deviation	0.160	0.000	0.420	3.10	5.0	29.0	0.10	1	8	9	1.1	0.300	3.0	0.030	NA	NA	0.011	NA	0.360	0.02	0.900
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	5	0	5	5	5
Minimum	6.8	1.32	11.35	81.6	37	161	0.05	18.6	31	29	0.1545	1	10	0.130	NA	NA	0.005	NA	0.556	0.0155	3.14
Maximum	7.23	1.86	12.41	89.1	50	241.6	0.38	22	51	49	2.5	1.57	17.8	0.190	NA	NA	0.033	NA	1.5	0.074	5.20
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	100%	20%	0%			20%		0%	80%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	2	0			2		3	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP91																									
Sample Date																									
08/06/07	**0.015**	**0.0025**			**0.025**	13	8.0	**0.2**	**0.2**	**0.25**	**0.25**	0.900		**0.05**	**0.05**	**20**	**20**	**0.7**	1.30	**0.05**	**0.05**	3800	4200	**0.3**	**0.3**
09/08/07	**0.0025**	**0.0025**			**0.025**	9.0	6.0	**0.2**	**0.2**	**0.25**	**0.25**	1.00		**0.05**	**0.05**	**20**	**20**	1.40	1.30	**0.05**	**0.05**	4300	4300	**0.05**	**0.05**
10/26/07	**0.0025**	**0.0025**			**0.025**	12	**2.5**	**0.2**	**0.2**	**0.25**	**0.6**	2.30		**0.05**	**0.05**	**20**	**20**	1.40	1.70	**0.05**	**0.05**	3900	4600	0.80	**0.25**
Mean	0.0067	0.0025	NA	NA	0.025	11	5.5	0.20	0.2	0.25	0.37	1.40	NA	0.0500	0.0500	20.0	20.0	1.20	1.40	0.05	0.05	4000	4400	0.38	0.20
Median	0.0025	0.0025	NA	NA	0.025	12	6.0	0.20	0.2	0.25	0.25	1.00	NA	0.0500	0.0500	20.0	20.0	1.40	1.30	0.05	0.05	3900	4300	0.30	0.25
St. Deviation	0.0072	0	NA	NA	0	2.0	2.8	0.00	0	0	0.20	0.800	NA	0.0000	0	0.0	0	0.400	0.200	0	0	300	200	0.38	0.13
# of values	3	3	0	0	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	9.0	2.5	0.2	0.2	0.25	0.25	0.900	NA	0.05	0.05	20	20	0.7	1.30	0.05	0.05	3800	4200	0.05	0.05
Maximum	0.015	0.0025	NA	NA	0.025	13	8.0	0.2	0.2	0.25	0.6	2.30	NA	0.05	0.05	20	20	1.40	1.70	0.05	0.05	4300	4600	0.80	0.3
% of values undetected	100%	100%			100%	0%	33%	100%	100%	100%	67%	0%		100%	100%	100%	100%	0%	0%	100%	100%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	1	0		0	0	0	0	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.82	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.060	0.060	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP92																									
Sample Date																									
08/06/07	**0.0025**	**0.0025**			**0.025**	14	14	**0.2**	**0.2**	**0.25**	**0.25**	2.20		**0.05**	**0.05**	**20**	**20**	**0.7**	1.50	**0.05**	**0.05**	10900	10900	**0.3**	**0.3**
09/05/07	**0.0025**	**0.0025**			**0.025**	10	7.0	**0.2**	**0.2**	**0.25**	**0.25**	2.40	2.70	**0.05**	**0.05**	**20**	**20**	1.40	**0.5**	**0.05**	**0.05**	12800	13200	**0.05**	**0.25**
10/26/07	**0.0025**	**0.0025**			**0.025**	16	9.0	**0.2**	**0.2**	**0.25**	**0.25**	2.10		**0.05**	**0.05**	**20**	**20**	**0.5**	1.40	**0.05**	**0.05**	10900	10600	0.6	**0.25**
Mean	0.0025	0.0025	NA	NA	0.025	13	10	0.20	0.2	0.25	0.25	2.20	2.70	0.0500	0.0500	20.0	20.0	0.870	1.10	0.05	0.05	11500	11600	0.32	0.27
Median	0.0025	0.0025	NA	NA	0.025	14	9.0	0.20	0.2	0.25	0.25	2.20	2.70	0.0500	0.0500	20.0	20.0	0.700	1.40	0.05	0.05	10900	10900	0.30	0.25
St. Deviation	0	0	NA	NA	0	3.0	3.6	0.00	0	0	0	0.200	NA	0	0	0	0	0.470	0.600	0	0	1100	1400	0.28	0.030
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	10	7.0	0.2	0.2	0.25	0.25	2.10	2.70	0.05	0.05	20	20	0.5	0.5	0.05	0.05	10900	10600	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.025	16	14	0.2	0.2	0.25	0.25	2.40	2.70	0.05	0.05	20	20	1.40	1.50	0.05	0.05	12800	13200	0.6	0.3
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	33%	33%	100%	100%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.15	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.114	0.109	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP93																									
Sample Date																									
08/06/07	**0.0025**	0.025			**0.025**	8.0	12	**0.2**	**0.2**	**0.25**	**0.25**	1.20	0.800	**0.05**	**0.05**	**20**	**20**	**0.8**	1.70	**0.05**	**0.05**	5900	6200	**0.3**	**0.4**
09/04/07	**0.0025**	**0.0025**			**0.025**	9.0	8.0	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	**0.5**	**0.5**	**0.05**	**0.05**	6600	6700	**0.05**	**0.05**
10/22/07	**0.0025**	**0.0025**			**0.15**	6.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.30		**0.05**	**0.05**	**20**	**20**	**0.25**	1.10	**0.05**	**0.05**	6600	7200	**0.25**	**0.05**
08/02/08	**0.00075**	**0.00075**			**0.0508**	2.2	**1.00**	**0.0075**	**0.0245** J	**0.155**	**0.155**	0.0940		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6400	6950	**0.197**	0.27
09/16/08	**0.00075**	**0.00075**			**0.050**	7.5	2.1	**0.0075**	**0.0219** J	**0.155**	**0.155**	0.0938		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6250	5980	**0.100**	0.34
Mean	0.0018	0.0063	NA	NA	0.060	6.5	5.1	0.12	0.1	0.21	0.21	0.590	0.800	0.0350	0.0350	12.0	12.0	0.810	1.20	0.03	0.03	6400	6600	0.18	0.22
Median	0.0025	0.0025	NA	NA	0.050	7.5	2.5	0.20	0.2	0.25	0.25	0.250	0.800	0.0500	0.0500	20.0	20.0	0.800	1.25	0.05	0.05	6400	6700	0.20	0.27
St. Deviation	0.0010	0.011	NA	NA	0.052	2.7	4.7	0.11	0.1	0.050	0.050	0.610	NA	0.0210	0.0210	11.0	11.0	0.450	0.400	0.02	0.02	300	500	0.10	0.16
# of values	5	5	0	0	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.00075	0.00075	NA	NA	0.025	2.2	1.00	0.0075	0.0219	0.155	0.155	0.0938	0.800	0.0125	0.0125	0.0075	0.0075	0.25	0.5	0.0075	0.0075	5900	5980	0.05	0.05
Maximum	0.0025	0.025	NA	NA	0.15	9.0	12	0.2	0.2	0.25	0.25	1.30	0.800	0.05	0.05	20	20	1.25	1.70	0.05	0.05	6600	7200	0.3	0.4
% of values undetected	100%	100%			80%	0%	40%	100%	60%	100%	100%	20%	0%	100%	100%	100%	100%	80%	60%	100%	100%	0%	0%	60%	40%
# of values between MDL and PQL	0	0			1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.24	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.078	0.076	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	20%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP91																									
Sample Date																									
08/06/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	6500	**0.025**	**0.025**
09/08/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**300**	**0.05**	**0.05**	6300	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**400**	**700**	**0.25**	**0.25**	**0.000169**		**0.25**	**1.5**	**0.3**	**0.3**	**600**	**300**	**0.05**	**0.05**	6700	**0.025**	**0.025**
Mean	0.025	0.0250	0.25	0.25	15	10	0.050	0.050	530	700	0.25	0.25	0.00095	NA	0.25	0.67	0.30	0.30	580	530	0.050	0.050	6500	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	600	700	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	600	300	0.050	0.050	6500	0.025	0.025
St. Deviation	0	0	0	0	9.0	0	0	0	120	0	0	0	0.0013	NA	0	0.72	0	0	430	400	0	0	200	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	400	700	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	300	0.05	0.05	6300	0.025	0.025
Maximum	0.025	0.025	0.25	0.25	25	10	0.05	0.05	600	700	0.25	0.25	0.00250	NA	0.25	1.5	0.3	0.3	1000	1000	0.05	0.05	6700	0.025	0.025
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	100%	67%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	3	3	0	0	0		0	0	0	0	1	2	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.643	1.577	1000	1000	0.239	0.260	NA	NA	NA	NA	0.012	0.012	NA	NA	9.34	9.32	NA	NA	5	4.6	NA	0.12305708	0.105
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP92																									
Sample Date																									
08/06/07	**0.025**	**0.025**	**1.8**	**2**	130	**10**	**0.1**	**0.1**	1200	1300	**0.25**	**0.25**	**0.00250**		**2.7**	3.0	**0.3**	**0.3**	**1000**	**1000**	**0.3**	**0.4**	2900	**0.025**	**0.025**
09/05/07	**0.025**	**0.025**	**0.25**	**0.8**	**10**	**10**	**0.05**	**0.05**	1500	1600	**0.25**	**0.25**	**0.000169**		3.6	3.8	**0.3**	**0.3**	**500**	**500**	0.50	0.50	3300	**0.025**	**0.025**
10/26/07	**0.025**	**0.025**	**0.8**	**0.9**	**10**	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000591**		**1.5**	**1.5**	**0.3**	**0.3**	**600**	**400**	**0.25**	**0.25**	3000	**0.025**	**0.025**
Mean	0.025	0.0250	0.95	1.2	50	10	0.067	0.067	1300	1400	0.25	0.25	0.0011	NA	2.6	2.8	0.30	0.30	700	630	0.35	0.38	3100	0.025	0.025
Median	0.025	0.0250	0.80	0.90	10	10	0.050	0.050	1200	1300	0.25	0.25	0.00059	NA	2.7	3.0	0.30	0.30	600	500	0.30	0.40	3000	0.025	0.025
St. Deviation	0	0	0.79	0.67	69	0	0.029	0.029	200	200	0	0	0.0012	NA	1.1	1.2	0	0	260	320	0.13	0.13	200	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.8	10	10	0.05	0.05	1100	1200	0.25	0.25	0.000169	NA	1.5	1.5	0.3	0.3	500	400	0.25	0.25	2900	0.025	0.025
Maximum	0.025	0.025	1.8	2	130	10	0.1	0.1	1500	1600	0.25	0.25	0.00250	NA	3.6	3.8	0.3	0.3	1000	1000	0.50	0.50	3300	0.025	0.025
% of values undetected	100%	100%	33%	0%	67%	100%	67%	67%	0%	0%	100%	100%	67%		33%	33%	100%	100%	33%	33%	33%	33%	0%	100%	100%
# of values between MDL and PQL	0	0	2	3	0	0	1	1	0	0	0	0	1		1	0	0	0	2	2	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.448	3.310	1000	1000	0.722	0.694	NA	NA	NA	NA	0.012	0.012	NA	NA	19.47	19.41	NA	NA	5	4.6	NA	0.547451789	0.465
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP93																									
Sample Date																									
08/06/07	**0.025**	**0.025**	**0.5**	**0.6**	**25**	**10**	**0.05**	**0.05**	**700**	**800**	**0.25**	**0.6**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**1000**	**0.1**	**0.2**	4700	**0.025**	**0.025**
09/04/07	**0.05**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**800**	**800**	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.2**	**0.2**	5100	**0.025**	**0.025**
10/22/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	**800**	**900**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.25**	4700	**0.025**	**0.025**
08/02/08	**0.0050**	**0.0176**	0.12		**14.9**	**18.2**	**0.0155**	**0.0155**	804	959	0.060	0.10	**0.00075**		0.31	0.36	**0.100**	0.34	91.1		**0.155**	**0.155**	5050	**0.0031**	**0.0031**
09/16/08	**0.0050**	**0.0111**	1.1	0.39	**9.27**	**13.2**	**0.0317**	**0.0155**	726	772	0.098	0.055	**0.00075**		0.31	0.35	**0.100**	0.24	81.1	123	**0.155**	**0.155**	4300	**0.0031**	**0.0031**
Mean	0.022	0.0210	0.44	0.37	17	12	0.039	0.036	770	850	0.18	0.25	0.00087	NA	0.28	0.29	0.22	0.30	120	360	0.17	0.19	4800	0.016	0.016
Median	0.025	0.0250	0.25	0.32	15	10	0.050	0.050	800	800	0.25	0.25	0.00075	NA	0.25	0.25	0.30	0.30	150	150	0.16	0.20	4700	0.025	0.025
St. Deviation	0.019	0.00600	0.37	0.17	8.0	4.0	0.016	0.019	50	80	0.090	0.21	0.00096	NA	0.030	0.060	0.11	0.040	40	430	0.060	0.040	300	0.012	0.012
# of values	5	5	5	4	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	4	5	5	5	5	5
Minimum	0.0050	0.0111	0.12	0.25	9.27	10	0.0155	0.0155	700	772	0.060	0.055	0.000169	NA	0.25	0.25	0.100	0.24	81.1	123	0.1	0.155	4300	0.0031	0.0031
Maximum	0.05	0.025	1.1	0.6	25	18.2	0.05	0.05	804	959	0.25	0.6	0.00250	NA	0.31	0.36	0.3	0.34	150	1000	0.25	0.25	5100	0.025	0.025
% of values undetected	80%	60%	40%	50%	60%	60%	80%	100%	0%	0%	60%	40%	100%		60%	60%	100%	60%	60%	75%	60%	60%	0%	100%	100%
# of values between MDL and PQL	1	2	1	1	2	2	1	0	3	3	0	1	0		0	0	0	0	0	0	2	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.224	2.135	1000	1000	0.376	0.389	NA	NA	NA	NA	0.012	0.012	NA	NA	12.62	12.58	NA	NA	5	4.6	NA	0.226552155	0.193
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP91										
Sample Date										
08/06/07	2100	2200	**0.05**	**0.1**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
09/08/07	2300	2200	**0.05**	**0.05**	**0.05**	**0.05**	**0.3**	**0.1**	**1**	**5**
10/26/07	2200	2300	0.60	0.60	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	2200	2200	0.23	0.25	0.050	0.050	0.30	0.10	1.00	2.30
Median	2200	2200	0.050	0.10	0.050	0.050	0.30	0.10	1.00	1.00
St. Deviation	100	100	0.32	0.30	0	0	0.20	0	0	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2100	2200	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	2300	2300	0.60	0.60	0.05	0.05	0.5	0.1	1	5
% of values undetected	0%	0%	67%	33%	100%	100%	67%	100%	100%	100%
# of values between MDL and PQL	0	0	0	1	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	21.41	21.11
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP92										
Sample Date										
08/06/07	**1500**	**1600**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	10.0	**7**
09/05/07	**1700**	**1800**	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.2**	17.0	**5**
10/26/07	**1500**	**1500**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	13.0	13.0
Mean	1600	1600	0.12	0.12	0.050	0.050	0.10	0.13	13.0	8.30
Median	1500	1600	0.050	0.050	0.050	0.050	0.10	0.10	13.0	7.00
St. Deviation	100	200	0.12	0.12	0	0	0	0.060	4.00	4.20
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1500	1500	0.05	0.05	0.05	0.05	0.1	0.1	10.0	5
Maximum	1700	1800	0.25	0.25	0.05	0.05	0.1	0.2	17.0	13.0
% of values undetected	0%	0%	100%	100%	100%	100%	100%	67%	0%	33%
# of values between MDL and PQL	3	3	0	0	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	44.66	44.03
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP93										
Sample Date										
08/06/07	2100	2200	**0.3**	**0.1**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**1**
09/04/07	2200	2300	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.7**	**1**	**1**
10/22/07	2200	2400	**0.05**	**0.25**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
08/02/08	2180	2310	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.388**	**0.467**	**0.50**	
09/16/08	2200	2060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.403**	**0.50**	**0.50**
Mean	2200	2300	0.082	0.082	0.050	0.050	0.25	0.51	0.800	0.900
Median	2200	2300	0.050	0.050	0.050	0.050	0.16	0.50	1.00	1.00
St. Deviation	0	100	0.12	0.10	0	0	0.18	0.11	0.300	0.300
# of values	5	5	5	5	5	5	5	5	5	4
Minimum	2100	2060	0.0050	0.0050	0.050	0.050	0.1	0.403	0.50	0.5
Maximum	2200	2400	0.3	0.25	0.05	0.05	0.5	0.7	1	1
% of values undetected	0%	0%	80%	80%	100%	100%	80%	20%	100%	100%
# of values between MDL and PQL	0	0	1	1	0	0	1	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	28.92	28.51
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP94																					
Sample Date																					
08/06/07	6.56	3.44	10.59	79.6	39	165.9	0.12	15	41	30	**2.5**	**1**	11	0.670			**0.03**		**0.6**	**0.05**	5.90
09/04/07	6.53	2.94	11.19	83	44	163	0.07	18	44	40	**2.5**	**1**	11	**0.01**			**0.005**		4.60	**0.05**	4.00
10/22/07	6.53	2.59	9.67	71.1	44	226.2	0.05	19	48	30	**2.5**	**1**	10	**0.03**			**0.02**		**0.8**	**0.05**	9.50
Mean	6.54	0	10.5	77.9	42.0	185.0	0.100	17	44	33	2.5	1.00	11.0	0.237	NA	NA	0.018	NA	2.00	0.05	6.50
Median	6.53	2.94	10.6	79.6	44.0	165.9	0.070	18	44	30	2.5	1.00	11.0	0.030	NA	NA	0.020	NA	0.800	0.05	5.90
St. Deviation	0.020	0.000	0.770	6.10	3.0	35.7	0	2	4	6	0	0.00	1.0	0.375	NA	NA	0.013	NA	2.25	0	2.80
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.53	2.59	9.67	71.1	39	163	0.05	15	41	30	2.5	1	10	0.01	NA	NA	0.005	NA	0.6	0.05	4.00
Maximum	6.56	3.44	11.19	83	44	226.2	0.12	19	48	40	2.5	1	11	0.670	NA	NA	0.03	NA	4.60	0.05	9.50
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	33%	33%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	2	1			2		2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP95																					
Sample Date																					
08/06/07	6.77	2.87	9.56	70.9	41	158.4	0.28	22	57	50	**2.5**	**1**	18	**0.06**			**0.03**		**0.9**	**0.05**	7.00
09/04/07	6.68	2.9	9.49	70.3	45	171.7	0.07	23	57	40	**2.5**	**1**	21.0	**0.04**			**0.005**		**1.0**	**0.05**	7.10
10/22/07	6.79	2.85	9.38	69.5	52	237.4	0.05	21	56	40	**2.5**	**1**	10	**0.07**			**0.02**		**0.9**	**0.05**	7.40
Mean	6.75	0	9.48	70.2	46.0	189.2	0.10	22	57	43	2.5	1.00	16.0	0.057	NA	NA	0.018	NA	0.930	0.05	7.20
Median	6.77	2.87	9.49	70.3	45.0	171.7	0.070	22	57	40	2.5	1.00	18.0	0.060	NA	NA	0.020	NA	0.900	0.05	7.10
St. Deviation	0.060	0.000	0.0900	0.700	6.0	42.3	0.10	1	1	6	0	0.00	6.0	0.015	NA	NA	0.013	NA	0.060	0	0.200
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.68	2.85	9.38	69.5	41	158.4	0.05	21	56	40	2.5	1	10	0.04	NA	NA	0.005	NA	0.9	0.05	7.00
Maximum	6.79	2.9	9.56	70.9	52	237.4	0.28	23	57	50	2.5	1	21.0	0.07	NA	NA	0.03	NA	1.0	0.05	7.40
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	33%	0%			33%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	3			2		3	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP96																					
Sample Date																					
08/06/07	7.11	3.21	10.71	80	85	145.2	0.41	41	93	60	**2.5**	**1**	40.0	0.140			**0.02**		**1.0**	**0.05**	4.60
09/04/07	7.29	2.93	10.87	80.7	92	124.4	0.09	43	92	60	**2.5**	**1**	42.0	0.130			**0.02**		**1.1**	**0.05**	5.20
10/22/07	7.43	2.32	10.07	73.7	87	237.4	0.05	41	94	60	**2.5**	**1**	41.0	**0.09**			**0.02**		**1.0**	**0.05**	5.60
08/02/08	6.81	2.86	10.45	77.2	90	198.1	0.09	39.1	56	49	**0.619**	**1.57**	41.8	0.151			0.015		0.709	**0.099**	4.36
09/16/08	7.18	2.75	9.97	73.6	93	231	0.06	39.9	95	56	**0.1515**	**1.57**	41.7	0.139			0.013		0.608	**0.04**	4.44
Mean	7.16	0	10.4	77.0	89.0	187.2	0.1	41	86	57	1.7	1.20	41.0	0.130	NA	NA	0.018	NA	0.900	0.06	4.80
Median	7.18	2.86	10.5	77.2	90.0	198.1	0.090	41	93	60	2.5	1.00	41.7	0.139	NA	NA	0.020	NA	1.00	0.05	4.60
St. Deviation	0.230	0.000	0.390	3.40	3.0	50.7	0.20	1	17	5	1.2	0.300	1.0	0.020	NA	NA	0.003	NA	0.200	0.02	0.500
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	5	0	5	5	5
Minimum	6.81	2.32	9.97	73.6	85	124.4	0.05	39.1	56	49	0.1515	1	40.0	0.09	NA	NA	0.013	NA	0.608	0.04	4.36
Maximum	7.43	3.21	10.87	80.7	93	237.4	0.41	43	95	60	2.5	1.57	42.0	0.151	NA	NA	0.02	NA	1.1	0.099	5.60
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	100%	0%	0%			0%		0%	60%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	1			3		3	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP94																									
Sample Date																									
08/06/07	**0.0025**	**0.0025**			**0.025**	7.0	6.0	**0.2**	**0.2**	**0.25**	**0.25**	1.40	0.900	**0.05**	**0.05**	**20**	**20**	**0.9**	1.10	**0.05**	**0.05**	4600	4900	**0.2**	**0.4**
09/04/07	**0.0025**	**0.0025**			**0.06**	8.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.70	**0.5**	**0.05**	**0.05**	5500	5900	**0.25**	**0.05**
10/22/07	**0.0025**	**0.0025**			**0.15**	32	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.70		**0.05**	**0.05**	**20**	**20**	**0.25**	1.30	**0.05**	**0.05**	5400	6100	**0.25**	**0.05**
Mean	0.0025	0.0025	NA	NA	0.078	16	3.7	0.20	0.2	0.25	0.25	1.10	0.900	0.0500	0.0500	20.0	20.0	0.950	1.00	0.05	0.05	5200	5600	0.23	0.17
Median	0.0025	0.0025	NA	NA	0.060	8.0	2.5	0.20	0.2	0.25	0.25	1.40	0.900	0.0500	0.0500	20.0	20.0	0.900	1.10	0.05	0.05	5400	5900	0.25	0.050
St. Deviation	0	0	NA	NA	0.064	14	2.0	0.00	0	0	0	0.800	NA	0	0	0	0	0.730	0.400	0	0	500	600	0.030	0.20
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	7.0	2.5	0.2	0.2	0.25	0.25	0.25	0.900	0.05	0.05	20	20	0.25	0.5	0.05	0.05	4600	4900	0.2	0.05
Maximum	0.0025	0.0025	NA	NA	0.15	32	6.0	0.2	0.2	0.25	0.25	1.70	0.900	0.05	0.05	20	20	1.70	1.30	0.05	0.05	5500	6100	0.25	0.4
% of values undetected	100%	100%			67%	0%	67%	100%	100%	100%	100%	33%	0%	100%	100%	100%	100%	33%	33%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.64	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.067	0.066	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP95																									
Sample Date																									
08/06/07	**0.0025**	**0.0025**			**0.025**	7.0	12	**0.2**	**0.2**	**0.25**	**0.25**	1.70		**0.05**	**0.05**	**20**	**20**	1.10	1.70	**0.05**	**0.05**	6500	6700	**0.4**	**0.2**
09/04/07	**0.0025**	**0.0025**			**0.08**	14	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.80	2.20	**0.05**	**0.05**	**20**	**20**	1.50	**0.5**	**0.05**	**0.05**	6600	7200	**0.25**	**0.05**
10/22/07	**0.0025**	**0.0025**			**0.15**	**2.5**	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	2.70		**0.05**	**0.05**	**20**	**20**	**0.25**	1.20	**0.05**	**0.05**	6400	6600	**0.25**	**0.25**
Mean	0.0025	0.0025	NA	NA	0.085	7.8	5.7	0.20	0.2	0.25	0.25	2.10	2.20	0.0500	0.0500	20.0	20.0	1.00	1.10	0.05	0.05	6500	6800	0.30	0.17
Median	0.0025	0.0025	NA	NA	0.080	7.0	2.5	0.20	0.2	0.25	0.25	1.80	2.20	0.0500	0.0500	20.0	20.0	1.10	1.20	0.05	0.05	6500	6700	0.25	0.20
St. Deviation	0	0	NA	NA	0.063	5.8	5.5	0.00	0	0	0	0.600	NA	0	0	0	0	0.600	0.600	0	0	100	300	0.090	0.10
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	2.5	2.5	0.2	0.2	0.25	0.25	1.70	2.20	0.05	0.05	20	20	0.25	0.5	0.05	0.05	6400	6600	0.25	0.05
Maximum	0.0025	0.0025	NA	NA	0.15	14	12	0.2	0.2	0.25	0.25	2.70	2.20	0.05	0.05	20	20	1.50	1.70	0.05	0.05	6600	7200	0.4	0.25
% of values undetected	100%	100%			67%	33%	67%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	33%	33%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.46	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.085	0.083	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP96																									
Sample Date																									
08/06/07	**0.0025**	**0.0025**			**0.025**	6.0	11	**0.2**	**0.2**	**0.25**	**0.25**	2.70	3.10	**0.05**	**0.05**	**20**	**20**	**0.7**	1.50	**0.05**	**0.05**	13200	14000	**0.3**	**0.3**
09/04/07	**0.0025**	**0.0025**			**0.11**	15	**2.5**	**0.2**	**0.2**	**0.7**	**0.25**	2.80	3.20	**0.05**	**0.05**	**20**	**20**	1.50	**0.5**	**0.05**	**0.05**	14300	14800	**0.05**	**0.05**
10/22/07	**0.0025**	**0.0025**			**0.15**	8.0	10	**0.2**	**0.2**	**0.25**	**0.25**	3.30		**0.05**	**0.05**	**20**	**20**	**0.25**	1.30	**0.05**	**0.05**	13800	14400	**0.25**	**0.05**
08/02/08	**0.00075**	**0.00075**			**0.0629**	2.71	2.8	**0.0075**	**0.0198** J	**0.347**	**0.364**	2.48		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13500	14500	0.21	0.38
09/16/08	**0.0025**	**0.00075**			**0.050**	4.55	2.5	**0.0075**	**0.0162** J	**0.404**	0.60	2.61		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13800	14900	0.33	0.43
Mean	0.0022	0.0018	NA	NA	0.080	7.3	5.8	0.12	0.1	0.39	0.34	2.80	3.20	0.0350	0.0350	12.0	12.0	1.00	1.20	0.03	0.03	13700	14500	0.23	0.24
Median	0.0025	0.0025	NA	NA	0.063	6.0	2.8	0.20	0.2	0.35	0.25	2.70	3.20	0.0500	0.0500	20.0	20.0	1.25	1.25	0.05	0.05	13800	14500	0.25	0.30
St. Deviation	0.00080	0.0010	NA	NA	0.050	4.7	4.3	0.11	0.1	0.19	0.15	0.300	0.100	0.0210	0.0210	11.0	11.0	0.500	0.400	0.02	0.02	400	400	0.11	0.18
# of values	5	5	0	0	5	5	5	5	5	5	5	5	2	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	0.00075	0.00075	NA	NA	0.025	2.71	2.5	0.0075	0.0162	0.25	0.25	2.48	3.10	0.0125	0.0125	0.0075	0.0075	0.25	0.5	0.0075	0.0075	13200	14000	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.15	15	11	0.2	0.2	0.7	0.60	3.30	3.20	0.05	0.05	20	20	1.50	1.50	0.05	0.05	14300	14900	0.33	0.43
% of values undetected	100%	100%			60%	0%	20%	100%	60%	40%	60%	0%	0%	100%	100%	100%	100%	60%	60%	100%	100%	0%	0%	40%	40%
# of values between MDL and PQL	0	0			2	0	0	0	2	3	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.17	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.135	0.128	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP94																									
Sample Date																									
08/06/07	**0.025**	**0.025**	**0.8**	**0.6**	170	**10**	**0.05**	**0.05**	**600**	**700**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.1**	4300	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	**800**	**900**	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.1**	4900	**0.025**	**0.025**
10/22/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.25**	**800**	**900**	**1.5**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.25**	4400	**0.025**	**0.025**
Mean	0.025	0.0250	0.43	0.37	73	10	0.050	0.12	730	830	0.67	0.25	0.00017	NA	0.25	0.25	0.30	0.30	430	430	0.12	0.15	4500	0.025	0.025
Median	0.025	0.0250	0.25	0.25	25	10	0.050	0.050	800	900	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	150	150	0.050	0.10	4400	0.025	0.025
St. Deviation	0	0	0.32	0.20	84	0	0	0.12	120	120	0.72	0	0	NA	0	0	0	0	490	490	0.12	0.090	300	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	25	10	0.05	0.05	600	700	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.1	4300	0.025	0.025
Maximum	0.025	0.025	0.8	0.6	170	10	0.05	0.25	800	900	1.5	0.25	0.000169	NA	0.25	0.25	0.3	0.3	1000	1000	0.25	0.25	4900	0.025	0.025
% of values undetected	100%	100%	67%	67%	67%	100%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	100%	100%	100%	100%	33%	0%	100%	100%
# of values between MDL and PQL	0	0	1	1	0	0	0	0	3	3	0	0	0		0	0	0	0	0	0	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.876	1.801	1000	1000	0.292	0.310	NA	NA	NA	NA	0.012	0.012	NA	NA	10.66	10.62	NA	NA	5	4.6	NA	0.160719747	0.137
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP95																									
Sample Date																									
08/06/07	**0.025**	**0.025**	**0.25**	**0.25**	130	**10**	**0.05**	**0.05**	1100	1200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**1000**	**1000**	**0.1**	**0.2**	6400	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	1200	1200	**0.25**	**0.25**	**0.00250**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.2**	6900	**0.025**	**0.025**
10/22/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1200	1200	**0.25**	**0.25**	**0.000169**		**0.25**	**0.25**	**0.3**	**0.3**	**400**	**150**	**0.25**	**0.25**	6500	**0.025**	**0.025**
Mean	0.025	0.0250	0.25	0.25	55	10	0.050	0.050	1200	1200	0.25	0.25	0.00095	NA	0.25	0.25	0.30	0.30	520	430	0.13	0.22	6600	0.025	0.025
Median	0.025	0.0250	0.25	0.25	25	10	0.050	0.050	1200	1200	0.25	0.25	0.00017	NA	0.25	0.25	0.30	0.30	400	150	0.10	0.20	6500	0.025	0.025
St. Deviation	0	0	0	0	65	0	0	0	100	0	0	0	0.0013	NA	0	0	0	0	440	490	0.10	0.030	300	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1100	1200	0.25	0.25	0.000169	NA	0.25	0.25	0.3	0.3	150	150	0.05	0.2	6400	0.025	0.025
Maximum	0.025	0.025	0.25	0.25	130	10	0.05	0.05	1200	1200	0.25	0.25	0.00250	NA	0.25	0.25	0.3	0.3	1000	1000	0.25	0.25	6900	0.025	0.025
% of values undetected	100%	100%	100%	100%	67%	100%	100%	100%	0%	0%	100%	100%	100%		100%	100%	100%	100%	67%	100%	67%	33%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	0	1	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.468	2.370	1000	1000	0.439	0.447	NA	NA	NA	NA	0.012	0.012	NA	NA	13.99	13.94	NA	NA	5	4.6	NA	0.279361016	0.237
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP96																									
Sample Date																									
08/06/07	**0.025**	**0.025**	**0.25**	**0.25**	110	**10**	**0.05**	**0.05**	1200	1400	**0.25**	**0.25**	**0.00250**		**0.6**	**0.7**	**0.3**	**0.3**	**150**	**1000**	**0.05**	**0.05**	4300	**0.025**	**0.025**
09/04/07	**0.12**	**0.09**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	1300	1400	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**1.5**	**1.5**	**150**	**150**	**0.05**	**0.1**	4800	**0.025**	**0.025**
10/22/07	**0.05**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1300	1300	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**1.5**	**150**	**150**	**0.25**	**0.25**	4400	**0.025**	**0.025**
08/02/08	**0.0189**	0.0230	0.11	0.20	34	41	**0.0155**	**0.0155**	1300	1500	0.051		**0.00075**		0.74	0.80	0.30	0.48	123		**0.155**	**0.155**	4510	**0.0031**	**0.0031**
09/16/08	**0.0124**	0.0210	0.14	0.24	27	30	**0.0155**	**0.0155**	1320	1480	0.11	0.051	**0.00299**		0.69	0.82	0.25	0.40	132	171	**0.155**	**0.155**	4540	**0.0031**	**0.0031**
Mean	0.045	0.0370	0.20	0.24	41	20	0.036	0.036	1300	1400	0.18	0.20	0.0022	NA	1.0	1.1	0.53	0.84	140	370	0.13	0.14	4500	0.016	0.016
Median	0.025	0.0250	0.25	0.25	27	10	0.050	0.050	1300	1400	0.25	0.25	0.0025	NA	0.74	0.82	0.30	0.48	150	160	0.16	0.16	4510	0.025	0.025
St. Deviation	0.044	0.0300	0.070	0.020	40	14	0.019	0.019	0	100	0.10	0.10	0.00090	NA	0.45	0.40	0.54	0.61	10	420	0.080	0.070	200	0.012	0.012
# of values	5	5	5	5	5	5	5	5	5	5	5	4	5	0	5	5	5	5	5	4	5	5	5	5	5
Minimum	0.0124	0.0210	0.11	0.20	10	10	0.0155	0.0155	1200	1300	0.051	0.051	0.00075	NA	0.6	0.7	0.25	0.3	123	150	0.05	0.05	4300	0.0031	0.0031
Maximum	0.12	0.09	0.25	0.25	110	41	0.05	0.05	1320	1500	0.25	0.25	0.00299	NA	1.5	1.5	1.5	1.5	150	1000	0.25	0.25	4800	0.025	0.025
% of values undetected	20%	40%	60%	60%	40%	60%	100%	100%	0%	0%	60%	75%	80%		40%	40%	60%	40%	60%	75%	100%	80%	0%	100%	100%
# of values between MDL and PQL	4	1	0	0	0	0	0	0	0	0	0	0	1		1	1	0	1	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	4.196	4.028	1000	1000	0.968	0.897	NA	NA	NA	NA	0.012	0.012	NA	NA	23.65	23.58	NA	NA	5	4.6	NA	0.812820196	0.691
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP94										
Sample Date										
08/06/07	**1600**	**1700**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**6**	**2**
09/04/07	**1800**	**1900**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**5**
10/22/07	**1800**	2000	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**1**
Mean	1700	1900	0.12	0.12	0.050	0.050	0.23	0.23	2.70	2.70
Median	1800	1900	0.050	0.050	0.050	0.050	0.10	0.10	1.00	2.00
St. Deviation	100	200	0.12	0.12	0	0	0.23	0.23	2.90	2.10
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1600	1700	0.05	0.05	0.05	0.05	0.1	0.1	1	1
Maximum	1800	2000	0.25	0.25	0.05	0.05	0.5	0.5	6	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	67%	67%	67%
# of values between MDL and PQL	3	2	0	0	0	0	0	1	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	24.42	24.08
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP95										
Sample Date										
08/06/07	2700	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.2**	**3**	**2**
09/04/07	2700	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.6**	**1**	**5**
10/22/07	2700	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
Mean	2700	2800	0.050	0.050	0.050	0.050	0.23	0.43	1.70	2.70
Median	2700	2800	0.050	0.050	0.050	0.050	0.10	0.50	1.00	2.00
St. Deviation	0	100	0	0	0	0	0.23	0.21	1.20	2.10
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2700	2700	0.05	0.05	0.05	0.05	0.1	0.2	1	1
Maximum	2700	2800	0.05	0.05	0.05	0.05	0.5	0.6	3	5
% of values undetected	0%	0%	100%	100%	100%	100%	100%	33%	67%	67%
# of values between MDL and PQL	0	0	0	0	0	0	0	2	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	32.06	31.61
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP96										
Sample Date										
08/06/07	2800	3000	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.7**	**1**	**1**
09/04/07	3000	3300	**0.25**	**0.25**	**0.05**	**0.05**	**0.4**	**0.9**	**1**	**1**
10/22/07	2900	2900	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**1**
08/02/08	2930	3170	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.651**	**0.706**	**0.50**	1.25
09/16/08	2980	3180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.411**	**0.507**	**0.50**	**0.50**
Mean	2900	3100	0.11	0.11	0.050	0.050	0.41	0.66	0.800	1.00
Median	2930	3170	0.050	0.050	0.050	0.050	0.41	0.70	1.00	1.00
St. Deviation	100	200	0.13	0.13	0	0	0.20	0.17	0.300	0.300
# of values	5	5	5	5	5	5	5	5	5	5
Minimum	2800	2900	0.0050	0.0050	0.050	0.050	0.1	0.5	0.5	0.5
Maximum	3000	3300	0.25	0.25	0.05	0.05	0.651	0.9	1	1.25
% of values undetected	0%	0%	100%	100%	100%	100%	40%	20%	100%	80%
# of values between MDL and PQL	0	0	0	0	0	0	3	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	54.26	53.50
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP97																					
Sample Date																					
08/07/07	7.64	2.56	12.4	91.1	66	207	0.45	31	72	40	**2.5**	**1**	34.0	0.100			**0.03**		**0.9**	**0.05**	**1.3**
09/04/07	7.12	2.57	11.48	84.4	67	124.5	0.07	32	70	50	**2.5**	**1**	35.0	**0.09**			**0.02**		**1.0**	**0.05**	**1.4**
10/22/07	7.41	2.05	10.22	74.1	63	243.5	0.07	29	65	50	**2.5**	**1**	31.0	**0.08**			**0.02**		**0.9**	**0.05**	**1.3**
Mean	7.39	0	11.4	83.2	65.0	191.7	0.20	31	69	47	2.5	1.00	33.0	0.090	NA	NA	0.023	NA	0.930	0.05	1.30
Median	7.41	2.56	11.5	84.4	66.0	207.0	0.070	31	70	50	2.5	1.00	34.0	0.090	NA	NA	0.020	NA	0.900	0.05	1.30
St. Deviation	0.260	0.000	1.09	8.60	2.0	61.0	0.20	2	4	6	0	0.00	2.0	0.010	NA	NA	0.006	NA	0.060	0	0.100
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	7.12	2.05	10.22	74.1	63	124.5	0.07	29	65	40	2.5	1	31.0	0.08	NA	NA	0.02	NA	0.9	0.05	1.3
Maximum	7.64	2.57	12.4	91.1	67	243.5	0.45	32	72	50	2.5	1	35.0	0.100	NA	NA	0.03	NA	1.0	0.05	1.4
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			0%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	2			3		3	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP98																					
Sample Date																					
08/07/07	6.68	3.01	11.19	83.3	42	187.4	0.36	17	42	20	**2.5**	**1**	**18**	**0.04**			0.050		**0.8**	**0.05**	**1.1**
09/04/07	6.71	3.09	10.64	79.3	41	151.4	0.06	18	42	60	**2.5**	**1**	21.0	0.160			**0.04**		8.50	**0.05**	**1.1**
10/22/07	6.36	3.07	9.29	69.1	37	252.6	0.07	16	40	30	**2.5**	**1**	**17**	**0.03**			0.050		**0.8**	**0.05**	**0.6**
Mean	6.58	0	10.4	77.2	40.0	197.1	0.20	17	41	37	2.5	1.00	19.0	0.077	NA	NA	0.047	NA	3.37	0.05	0.900
Median	6.68	3.07	10.6	79.3	41.0	187.4	0.070	17	42	30	2.5	1.00	18.0	0.040	NA	NA	0.050	NA	0.800	0.05	1.10
St. Deviation	0.190	0.000	0.980	7.30	3.0	51.3	0.20	1	1	21	0	0.00	2.0	0.072	NA	NA	0.006	NA	4.45	0	0.300
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	3	0	3	3	3
Minimum	6.36	3.01	9.29	69.1	37	151.4	0.06	16	40	20	2.5	1	17	0.03	NA	NA	0.04	NA	0.8	0.05	0.6
Maximum	6.71	3.09	11.19	83.3	42	252.6	0.36	18	42	60	2.5	1	21.0	0.160	NA	NA	0.050	NA	8.50	0.05	1.1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%			0%		0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	2	2			1		2	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SP99																					
Sample Date																					
08/07/07	5.73	3.73	11.84	90.4	16	223.5	0.72	7	20	**10**	**10**	**1**	**5**	0.400			**0.03**		**1.0**	**0.05**	**0.7**
09/05/07	5.74	3.78	8.91	67.7	19	145.5	0.11	8	18	**10**	**2.5**	**1**	**5**	0.360			**0.005**		**0.9**	**0.05**	**0.9**
10/27/07	6.25	3.42	8.41	63.2	17	139.3	0.21	**3.5**	18	20	**2.5**	**1**	**10**	0.230			**0.01**		**0.9**	**0.05**	**0.25**
08/02/08	6.35	4.72	10.51	81.9	15	278.4	0.2	4.95	11	**9**	4.69	**5.04**	**5.28**	0.282			0.012		0.476	**0.0155**	0.550
09/17/08	4.75	5.48	10.24	81.3	17	280.4	0.22	4.92	15	10	**0.150**	**6.94**	**6.06**	0.152			**0.0050**		0.689	**0.0155**	0.492
11/03/08	6.7	1.47	10.32	73.6	16	278.5	0.24	5.17	16	10	6.6	**3.88**	116.0	0.185			0.016		0.519	**0.0155**	0.569
Mean	5.92	4	10.0	76.4	17.0	224.3	0.3	5.6	16	11	4.0	3.10	20.0	0.270	NA	NA	0.013	NA	0.700	0.03	0.580
Median	6.00	4	10.3	77.5	17.0	251.0	0.2	5.1	17	10	4.0	2.40	10.0	0.260	NA	NA	0.011	NA	0.800	0.03	0.560
St. Deviation	0.680	1	1.23	10.1	1.0	67.0	0.2	1.6	3	4	4.0	2.50	40.0	0.100	NA	NA	0.009	NA	0.200	0.02	0.220
# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0	0	6	0	6	6	6
Minimum	4.75	1.47	8.41	63.2	15	139.3	0.11	3.5	11	9	0.150	1	5	0.152	NA	NA	0.005	NA	0.476	0.0155	0.25
Maximum	6.7	5.48	11.84	90.4	19	280.4	0.72	8	20	20	10	6.94	116.0	0.400	NA	NA	0.03	NA	1.0	0.05	0.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	17%	0%	0%	67%	50%	17%	0%			33%		0%	100%	17%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	3	0	3	4	0			2		3	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	83%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP97																									
Sample Date																									
08/07/07	**0.0025**	**0.0025**			**0.025**	11	11	**0.2**	**0.2**	**0.25**	**0.25**	1.20		**0.05**	**0.05**	**20**	**20**	1.30	2.20	**0.05**	**0.05**	9300	9500	0.70	**0.4**
09/04/07	**0.0025**	**0.0025**			**0.18**	7.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	1.30	1.80	**0.05**	**0.05**	**20**	**20**	1.30	1.20	**0.05**	**0.05**	9200	9700	**0.05**	**0.25**
10/22/07	**0.0025**	**0.0025**			**0.15**	10	6.0	**0.2**	**0.2**	**0.5**	**0.25**	2.20		**0.05**	**0.05**	**20**	**20**	**0.25**	1.50	**0.05**	**0.05**	7800	8700	**0.25**	**0.25**
Mean	0.0025	0.0025	NA	NA	0.12	9.0	6.5	0.20	0.2	0.33	0.25	1.60	1.80	0.0500	0.0500	20.0	20.0	1.00	1.60	0.05	0.05	8800	9300	0.33	0.30
Median	0.0025	0.0025	NA	NA	0.15	10	6.0	0.20	0.2	0.25	0.25	1.30	1.80	0.0500	0.0500	20.0	20.0	1.30	1.50	0.05	0.05	9200	9500	0.25	0.25
St. Deviation	0	0	NA	NA	0.080	2.0	4.3	0.00	0	0.14	0	0.600	NA	0	0	0	0.0	0.600	0.500	0	0	800	500	0.33	0.090
# of values	3	3	0	0	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	7.0	2.5	0.2	0.2	0.25	0.25	1.20	1.80	0.05	0.05	20	20	0.25	1.20	0.05	0.05	7800	8700	0.05	0.25
Maximum	0.0025	0.0025	NA	NA	0.18	11	11	0.2	0.2	0.5	0.25	2.20	1.80	0.05	0.05	20	20	1.30	2.20	0.05	0.05	9300	9700	0.70	0.4
% of values undetected	100%	100%			67%	0%	33%	100%	100%	67%	100%	0%	0%	100%	100%	100%	100%	33%	0%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	5.54	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.109	0.104	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP98																									
Sample Date																									
08/07/07	**0.0025**	**0.0025**			**0.025**	17	12	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.30	1.80	**0.05**	**0.05**	5100	5300	0.70	0.50
09/04/07	**0.0025**	**0.0025**			**0.12**	7.0	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.20	**0.5**	**0.05**	**0.05**	5100	5500	**0.05**	**0.05**
10/22/07	**0.0025**	**0.0025**			**0.025**	10	**2.5**	**0.2**	**0.2**	**0.25**	**0.25**	**0.25**		**0.05**	**0.05**	**20**	**20**	1.30	1.50	**0.05**	**0.05**	4400	4900	**0.05**	**0.25**
Mean	0.0025	0.0025	NA	NA	0.057	11	5.7	0.20	0.2	0.25	0.25	0.250	NA	0.0500	0.0500	20.0	20.0	1.30	1.30	0.05	0.05	4900	5200	0.27	0.27
Median	0.0025	0.0025	NA	NA	0.025	10	2.5	0.20	0.2	0.25	0.25	0.250	NA	0.0500	0.0500	20.0	20.0	1.30	1.50	0.05	0.05	5100	5300	0.050	0.25
St. Deviation	0	0	NA	NA	0.055	5.0	5.5	0.00	0	0	0	0.000	NA	0	0	0	0.0	0.100	0.700	0	0	400	300	0.38	0.23
# of values	3	3	0	0	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0025	0.0025	NA	NA	0.025	7.0	2.5	0.2	0.2	0.25	0.25	0.25	NA	0.05	0.05	20	20	1.20	0.5	0.05	0.05	4400	4900	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.12	17	12	0.2	0.2	0.25	0.25	0.25	NA	0.05	0.05	20	20	1.30	1.80	0.05	0.05	5100	5500	0.70	0.50
% of values undetected	100%	100%			67%	0%	67%	100%	100%	100%	100%	100%		100%	100%	100%	100%	0%	33%	100%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.75	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.070	0.069	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP99																									
Sample Date																									
08/07/07	**0.0025**	**0.0025**			**0.025**	329	21	**0.2**	**0.2**	**0.25**	**0.25**	6.30	5.70	**0.05**	**0.05**	**20**	**20**	1.00	1.40	**0.05**	**0.05**	1900	2400	**0.4**	0.50
09/05/07	**0.0025**	**0.0025**			**0.025**	53	23	**0.2**	**0.2**	**0.25**	**0.25**	4.60	4.80	**0.05**	**0.05**	**20**	**20**	1.60	1.10	**0.05**	**0.05**	1900	2500	**0.05**	**0.25**
10/27/07	**0.0025**	**0.0025**			**0.025**	186	32	**0.2**	**0.2**	**0.25**	**0.25**	5.80	5.10	**0.05**	**0.05**	**20**	**20**	1.50	1.20	**0.05**	**0.05**	1600	1600	**0.25**	**0.25**
08/02/08	**0.00075**	**0.00075**			**0.0319**	127	30	**0.0075**	**0.0075**	**0.155**	**0.155**	4.86	4.56	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1620	1840	0.27	0.25
09/17/08	**0.00075**	**0.00075**			**0.050**	54	43	**0.0075**	**0.0279** J	**0.155**	**0.155**	4.86		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1620		0.35	0.30
11/03/08	**0.00075**	**0.00075**			**0.050**	151	30	**0.0075**	**0.0075**	**0.155**	**0.155**	4.87	4.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1700	1650	0.22	**0.139**
Mean	0.0016	0.0016	NA	NA	0.034	150	30	0.10	0.1	0.20	0.20	5.20	4.80	0.0310	0.0310	10.0	10.0000	1.30	1.20	0.03	0.03	1700	2000	0.25	0.28
Median	0.0016	0.0016	NA	NA	0.028	139	30	0.10	0.1	0.20	0.20	4.90	4.80	0.0310	0.0310	10.0	10.0000	1.30	1.30	0.03	0.03	1700	1840	0.26	0.25
St. Deviation	0.0010	0.0010	NA	NA	0.012	102	8.0	0.10	0.1	0.050	0.050	0.700	0.600	0.0210	0.0210	11.0	11.0000	0.200	0.100	0.02	0.02	100	400	0.12	0.12
# of values	6	6	0	0	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	5	6	6
Minimum	0.00075	0.00075	NA	NA	0.025	53	21	0.0075	0.0075	0.155	0.155	4.60	4.04	0.0125	0.0125	0.0075	0.0075	1.00	1.10	0.0075	0.0075	1600	1600	0.05	0.139
Maximum	0.0025	0.0025	NA	NA	0.050	329	43	0.2	0.2	0.25	0.25	6.30	5.70	0.05	0.05	20	20	1.60	1.40	0.05	0.05	1900	2500	0.4	0.50
% of values undetected	100%	100%			83%	0%	0%	100%	83%	100%	100%	0%	0%	100%	100%	100%	100%	50%	50%	100%	100%	0%	0%	33%	33%
# of values between MDL and PQL	0	0			1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.07	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.024	0.025	NA	NA	5.989062295	5.150593573
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP97																									
Sample Date																									
08/07/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1700	1700	**0.25**	**0.25**	**0.00250**		4.1	4.4	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	5900	**0.025**	**0.025**
09/04/07	0.08	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	1700	1800	**0.25**	**0.25**	**0.00250**		4	4.4	**0.3**	**0.3**	**150**	**150**	**0.05**	0.1	7200	**0.025**	**0.025**
10/22/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	1500	1700	**0.25**	**0.25**	**0.000169**		3.9	3.9	**0.3**	**0.3**	**150**	300	**0.05**	**0.25**	6300	**0.025**	**0.025**
Mean	0.043	0.0250	0.25	0.25	15	10	0.050	0.050	1600	1700	0.25	0.25	0.0017	NA	4.0	4.2	0.30	0.30	430	200	0.050	0.13	6500	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	1700	1700	0.25	0.25	0.0025	NA	4.0	4.4	0.30	0.30	150	150	0.050	0.10	6300	0.025	0.025
St. Deviation	0.032	0	0	0	9.0	0	0	0	100	100	0	0	0.0013	NA	0.10	0.30	0	0	490	90	0	0.10	700	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	1500	1700	0.25	0.25	0.000169	NA	3.9	3.9	0.3	0.3	150	150	0.05	0.05	5900	0.025	0.025
Maximum	0.08	0.025	0.25	0.25	25	10	0.05	0.05	1700	1800	0.25	0.25	0.00250	NA	4.1	4.4	0.3	0.3	1000	300	0.05	0.25	7200	0.025	0.025
% of values undetected	67%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%		0%	0%	100%	100%	100%	67%	100%	67%	0%	100%	100%
# of values between MDL and PQL	1	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.258	3.128	1000	1000	0.664	0.644	NA	NA	NA	NA	0.012	0.012	NA	NA	18.41	18.36	NA	NA	5	4.6	NA	0.488493155	0.415
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP98																									
Sample Date																									
08/07/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	800	900	0.5	**0.25**	**0.00250**		0.7	0.7	**0.3**	**0.3**	**1000**	**1000**	**0.05**	**0.05**	7300	**0.025**	**0.025**
09/04/07	**0.025**	**0.025**	**0.25**	**0.25**	**25**	**10**	**0.05**	**0.05**	900	1000	**0.25**	**0.25**	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	8500	**0.025**	**0.025**
10/22/07	**0.025**	**0.025**	**0.25**	**0.25**	**10**	**10**	**0.05**	**0.05**	800	900	**0.25**	**0.25**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	7900	**0.025**	**0.025**
Mean	0.025	0.0250	0.25	0.25	15	10	0.050	0.050	830	930	0.33	0.25	0.0017	NA	1.2	1.2	0.30	0.30	700	430	0.050	0.050	7900	0.025	0.025
Median	0.025	0.0250	0.25	0.25	10	10	0.050	0.050	800	900	0.25	0.25	0.0025	NA	1.5	1.5	0.30	0.30	1000	150	0.050	0.050	7900	0.025	0.025
St. Deviation	0	0	0	0	9.0	0	0	0	60	60	0.14	0	0.0013	NA	0.50	0.50	0	0	500	490	0	0	600	0	0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.025	0.025	0.25	0.25	10	10	0.05	0.05	800	900	0.25	0.25	0.000169	NA	0.7	0.7	0.3	0.3	150	150	0.05	0.05	7300	0.025	0.025
Maximum	0.025	0.025	0.25	0.25	25	10	0.05	0.05	900	1000	0.5	0.25	0.00250	NA	1.5	1.5	0.3	0.3	1000	1000	0.05	0.05	8500	0.025	0.025
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	67%	100%	100%		67%	67%	100%	100%	100%	100%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	3	2	1	0	0		1	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.959	1.881	1000	1000	0.311	0.329	NA	NA	NA	NA	0.012	0.012	NA	NA	11.13	11.09	NA	NA	5	4.6	NA	0.175444794	0.149
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP99																									
Sample Date																									
08/07/07	**0.025**	**0.025**	**0.25**	**0.25**	270	**10**	0.1	**0.05**	200	300	3.1	0.8	**0.000169**		1	0.9	**0.3**	**0.3**	**1000**	**150**	**0.05**	**0.05**	3200	0.025	0.025
09/05/07	**0.025**	**0.025**	**0.25**	**0.25**	70	**10**	**0.05**	**0.05**	300	400	0.8	1	0.000520		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3200	0.025	0.025
10/27/07	**0.025**	**0.025**	**0.25**	**0.25**	130	**10**	**0.05**	**0.05**	100	100	1.4	1.3	**0.00250**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.05**	**0.05**	3200	0.025	0.025
08/02/08	0.0282	0.0204	0.23	0.31	71	7.31	**0.0155**	**0.0155**	219		1.4	0.82	**0.00075**		0.78	0.75	**0.100**	0.29	100	117	**0.155**	**0.155**	3420	**0.0031**	**0.0031**
09/17/08	0.0242	0.0286	0.22	0.32	12.8	10.4	**0.0155**		213		1.00	0.96	0.00215		0.58	0.63	**0.100**	**0.100**	108		**0.155**	**0.155**	3360	**0.0031**	**0.0031**
11/03/08	0.0338	0.0266	1.29	0.28	108	15	0.0487	**0.0155**	224	249	1.8	1.5	**0.00075**		0.87	0.68	0.131	0.24	110	114	**0.155**	**0.155**	3390	**0.0031**	**0.0031**
Mean	0.027	0.0250	0.40	0.28	110	10	0.050	0.036	210	260	1.6	1.1	0.0011	NA	1.0	1.0	0.21	0.26	300	140	0.10	0.10	3300	0.014	0.014
Median	0.025	0.0250	0.30	0.27	89	10	0.050	0.050	220	270	1.4	1.0	0.00080	NA	0.90	0.80	0.22	0.30	100	150	0.10	0.10	3280	0.014	0.014
St. Deviation	0.004	0.00300	0.40	0.030	88	2.0	0.030	0.019	60	130	0.80	0.30	0.00090	NA	0.40	0.40	0.10	0.080	400	20	0.060	0.060	110	0.012	0.012
# of values	6	6	6	6	6	6	6	5	6	4	6	6	6	0	6	6	6	6	6	5	6	6	6	6	6
Minimum	0.0242	0.0204	0.22	0.25	12.8	7.31	0.0155	0.0155	100	100	0.8	0.8	0.000169	NA	0.58	0.63	0.100	0.100	100	114	0.05	0.05	3200	0.0031	0.0031
Maximum	0.0338	0.0286	1.29	0.32	270	15	0.1	0.05	300	400	3.1	1.5	0.00250	NA	1.5	1.5	0.3	0.3	1000	150	0.155	0.155	3420	0.025	0.025
% of values undetected	50%	50%	50%	50%	0%	50%	67%	100%	17%	25%	0%	0%	67%		33%	33%	83%	67%	50%	60%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	1	3	2	0	2	2	2	3	2		1	1	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.578	0.554	1000	1000	0.050	0.064	NA	NA	NA	NA	0.012	0.012	NA	NA	3.32	3.31	NA	NA	5	4.6	NA	0.015009351	0.013
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	17%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SP97										
Sample Date										
08/07/07	3200	3300	**0.2**	**0.2**	**0.05**	**0.05**	1.5	2.1	**1**	**1**
09/04/07	3200	3500	**0.05**	**0.05**	**0.05**	**0.05**	1.3	2.0	**1**	**1**
10/22/07	2900	3200	**0.05**	**0.05**	**0.05**	**0.05**	1.8	1.9	**1**	**1**
Mean	3100	3300	0.10	0.10	0.050	0.050	1.5	2.0	1.00	1.00
Median	3200	3300	0.050	0.050	0.050	0.050	1.5	2.0	1.00	1.00
St. Deviation	200	200	0.087	0.087	0	0	0.30	0.10	0	0
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2900	3200	0.05	0.05	0.05	0.05	1.3	1.9	1	1
Maximum	3200	3500	0.2	0.2	0.05	0.05	1.8	2.1	1	1
% of values undetected	0%	0%	67%	67%	100%	100%	0%	0%	100%	100%
# of values between MDL and PQL	0	0	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	42.22	41.63
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP98										
Sample Date										
08/07/07	2500	2600	**0.05**	**0.05**	**0.05**	**0.05**	**0.8**	**0.5**	**1**	**1**
09/04/07	2500	2700	**0.05**	**0.05**	**0.05**	**0.05**	**0.6**	1.2	**1**	**5**
10/22/07	2400	2500	**0.25**	**0.25**	**0.05**	**0.05**	**0.5**	1.2	**1**	**5**
Mean	2500	2600	0.12	0.12	0.050	0.050	0.63	1.0	1.00	3.70
Median	2500	2600	0.050	0.050	0.050	0.050	0.60	1.2	1.00	5.00
St. Deviation	100	100	0.12	0.12	0	0	0.15	0.40	0	2.30
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	2400	2500	0.05	0.05	0.05	0.05	0.5	0.5	1	1
Maximum	2500	2700	0.25	0.25	0.05	0.05	0.8	1.2	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	33%	33%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	25.50	25.14
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SP99										
Sample Date										
08/07/07	**1400**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.6**	**0.1**	**1**	**2**
09/05/07	**1300**	**1400**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.2**	**1**	**1**
10/27/07	**1300**	**1300**	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**5**
08/02/08	1290	1270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	1.57
09/17/08	1310	1480	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
11/03/08	1230	1270	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.60	1.26
Mean	1310	1350	0.028	0.028	0.050	0.050	0.34	0.14	0.900	2.20
Median	1300	1350	0.028	0.028	0.050	0.050	0.33	0.16	1.00	1.57
St. Deviation	50	90	0.025	0.025	0	0	0.21	0.040	0.400	1.60
# of values	6	6	6	6	6	6	6	6	6	5
Minimum	1230	1270	0.0050	0.0050	0.050	0.050	0.155	0.1	0.50	1
Maximum	1400	1480	0.05	0.05	0.05	0.05	0.6	0.2	1.60	5
% of values undetected	0%	0%	100%	100%	100%	100%	83%	83%	83%	40%
# of values between MDL and PQL	3	3	0	0	0	0	1	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	7.59	7.49
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK01																					
Sample Date																					
10/07/06	5.83	4.09	5.56	42.6	113	79.1	0.14	49.3	110	106	28.0	18.5	**10.0**						1.53	**0.0890**	33.6
05/27/07	5.41	2.71	7.57	56	77	241.1	0.84	22.8	260	156	4.78	55.0	**1.55**	0.174			0.040		0.836	0.29	86.6
10/21/07	5.68	2.53	4.27	31.3	130	98.4	0.12	55	131	90	**2.5**	**1**	22.0	0.280			**0.005**		**0.9**	**0.05**	37.4
Mean	5.64	3	5.80	43.3	110.0	139.5	0.4	42.4	170	117	11.8	25.0	11.0	0.230	NA	NA	0.022	NA	1.09	0.14	52.5
Median	5.68	2.71	5.56	42.6	113.0	98.4	0.14	49.3	131	106	4.78	18.5	10.0	0.230	NA	NA	0.022	NA	0.900	0.089	37.4
St. Deviation	0.210	1.000	1.66	12.4	30.0	88.5	0.4	17.2	80	34	14.1	28.0	10.0	0.070	NA	NA	0.024	NA	0.384	0.13	29.6
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	2	0	3	3	3
Minimum	5.41	2.53	4.27	31.3	77	79.1	0.12	22.8	110	90	2.5	1	1.55	0.174	NA	NA	0.005	NA	0.836	0.05	33.6
Maximum	5.83	4.09	7.57	56	130	241.1	0.84	55	260	156	28.0	55.0	22.0	0.280	NA	NA	0.040	NA	1.53	0.29	86.6
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	33%	0%			50%		0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	0			0		1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SRK02																					
Sample Date																					
10/08/06	5.8	4.52	5.4	41.4	75	62.7	1.34	21.9	50	56	18.0	**4.75**	**8.00**						1.87	**0.0850**	5.60
05/27/07	6.64	3.21	9.42	70	90	215.9	0.41														
05/28/07					0			34.3	80	58	7.03	**1.57**	26.6	1.50			0.031		0.858	**0.0570**	7.39
10/27/07	6.42	2.86	7.61	56.4	74	120.4	0.14	34	77	40	**2.5**	**1**	26.0	0.770			**0.005**		**1.3**	**0.05**	5.90
Mean	6.29	4	7.48	55.9	60.0	133.0	0.6	30.1	69	51	9.20	2.44	20.0	1.10	NA	NA	0.018	NA	1.34	0.064	6.30
Median	6.42	3.21	7.61	56.4	74.5	120.4	0.41	34	77	56	7.03	1.57	26.0	1.10	NA	NA	0.018	NA	1.30	0.057	5.90
St. Deviation	0.440	1.000	2.01	14.3	41.0	77.4	0.6	7.1	17	10	8.00	2.02	11.0	0.500	NA	NA	0.019	NA	0.510	0.019	1.00
# of values	3	3	3	3	4	3	3	3	3	3	3	3	3	2	0	0	2	0	3	3	3
Minimum	5.8	2.86	5.4	41.4	0	62.7	0.14	21.9	50	40	2.5	1	8.00	0.770	NA	NA	0.005	NA	0.858	0.05	5.60
Maximum	6.64	4.52	9.42	70	90	215.9	1.34	34.3	80	58	18.0	4.75	26.6	1.50	NA	NA	0.031	NA	1.87	0.0850	7.39
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	67%	0%	0%			50%		0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	1	0			0		1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SRK04																					
Sample Date																					
10/08/06	5.8	5.16	6.2	48.8	46	159.4	0.72	16.2	42	36	**0.667**	**1.57**	**10.0**						1.40	**0.0690**	6.60
05/28/07	6.44	3.46	1.4	11	124	22	7.35	50.5	130	103	18.4	11.8	48.3	0.156			0.148		0.759	**0.0760**	14.2
10/27/07	6.62	0.37	9.4	66	57	93.8	0.4	18	59	40	**6**	**1**	**10**	**0.01**			**0.02**		**1.1**	**0.05**	12.2
Mean	6.29	3.00	5.70	42.0	76	91.7	2.8	28.2	77	60	8.36	4.79	23.0	0.080	NA	NA	0.080	NA	1.10	0.065	11.0
Median	6.44	3.46	6.20	48.8	57	93.8	0.72	18	59	40	6.00	1.57	10.0	0.080	NA	NA	0.080	NA	1.10	0.069	12.2
St. Deviation	0.430	2	4.00	28.0	42	68.7	3.9	19.3	47	38	9.10	6.08	22.0	0.100	NA	NA	0.090	NA	0.300	0.013	3.90
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	2	0	3	3	3
Minimum	5.8	0.37	1.4	11	46	22	0.4	16.2	42	36	0.667	1	10.0	0.01	NA	NA	0.02	NA	0.759	0.05	6.60
Maximum	6.62	5.16	9.4	66	124	159.4	7.35	50.5	130	103	18.4	11.8	48.3	0.156	NA	NA	0.148	NA	1.40	0.0760	14.2
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	50%			0%		0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	1	0			1		1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	67%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	33%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK01																									
Sample Date																									
10/07/06	**0.00075**	**0.00075**				503	33	**0.0240**	**0.0242** J	1.4	**0.155**	6.15	5.55	**0.0125**	**0.0125**	0.0502	**0.0280**	**1.25**	**1.25**	**0.0185**	**0.0185**	14300	15800	**0.165**	**0.111**
05/27/07	**0.00075**	**0.00075**			**0.0155**	6130	5730	0.12	**0.0075**	**0.155**	**0.155**	16.7	16.8	0.203	0.169	0.157	**0.0075**	**1.25**	**1.25**	0.299	0.281	4710	5280	0.36	**0.050**
10/21/07	**0.0025**	**0.0025**			**0.15**	30	18	**0.2**	**0.2**	**0.25**	**0.25**	4.10	4.50	**0.05**	**0.05**	**20**	**20**	**0.5**	1.70	**0.05**	**0.05**	14700	16300	**0.25**	**0.25**
Mean	0.0013	0.0013	NA	NA	0.083	2221	1927	0.12	0.08	0.61	0.19	8.98	8.95	0.0885	0.0772	6.74	6.68	1.00	1.40	0.1	0.1	11200	12500	0.26	0.14
Median	0.00075	0.00075	NA	NA	0.083	503	33	0.12	0.02	0.25	0.16	6.15	5.55	0.0500	0.0500	0.157	0.0280	1.25	1.25	0.1	0.05	14300	15800	0.25	0.11
St. Deviation	0.0010	0.0010	NA	NA	0.095	3394	3293	0.090	0.1	0.71	0.055	6.76	6.82	0.101	0.0817	11.5	11.5	0.430	0.260	0.2	0.1	5700	6200	0.097	0.10
# of values	3	3	0	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	30	18	0.0240	0.0075	0.155	0.155	4.10	4.50	0.0125	0.0125	0.0502	0.0075	0.5	1.25	0.0185	0.0185	4710	5280	0.165	0.050
Maximum	0.0025	0.0025	NA	NA	0.15	6130	5730	0.2	0.2	1.4	0.25	16.7	16.8	0.203	0.169	20	20	1.25	1.70	0.299	0.281	14700	16300	0.36	0.25
% of values undetected	100%	100%			100%	0%	0%	33%	67%	67%	100%	0%	0%	67%	67%	33%	67%	100%	67%	67%	67%	0%	0%	33%	67%
# of values between MDL and PQL	0	0			0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.05	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.098	0.095	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	67%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK02																									
Sample Date																									
10/08/06	**0.00075**	**0.00075**				226	106	**0.0075**	**0.0344** J	**0.155**	**0.155**	8.20	8.88	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6470	6400	**0.050**	**0.115**
05/27/07																									
05/28/07	**0.00075**	**0.00075**			**0.0155**	181	14	**0.0250**	0.06	**0.155**	**0.155**	7.79	6.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9690	10600	**0.100**	0.25
10/27/07	**0.0025**	**0.0025**			**0.025**	54	21	**0.2**	**0.2**	**0.25**	**0.25**	8.60	7.90	**0.05**	**0.05**	**20**	**20**	1.60	1.50	**0.05**	**0.05**	9300	9800	**0.25**	**0.25**
Mean	0.0013	0.0013	NA	NA	0.020	154	47	0.078	0.1	0.19	0.19	8.20	7.91	0.0250	0.0250	6.67	6.67	1.37	1.33	0.03	0.03	8490	8900	0.13	0.20
Median	0.00075	0.00075	NA	NA	0.020	181	21	0.025	0.06	0.16	0.16	8.20	7.90	0.0125	0.0125	0.00750	0.00750	1.25	1.25	0.02	0.02	9300	9800	0.10	0.25
St. Deviation	0.0010	0.0010	NA	NA	0.0070	89	51	0.11	0.09	0.055	0.055	0.400	0.970	0.0217	0.0217	11.5	11.5	0.200	0.140	0.02	0.02	1760	2200	0.10	0.077
# of values	3	3	0	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0	3
Minimum	0.00075	0.00075	NA	NA	0.0155	54	14	0.0075	0.0344	0.155	0.155	7.79	6.94	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6470	6400	0.050	0.115
Maximum	0.0025	0.0025	NA	NA	0.025	226	106	0.2	0.2	0.25	0.25	8.60	8.88	0.05	0.05	20	20	1.60	1.50	0.05	0.05	9690	10600	0.25	0.25
% of values undetected	100%	100%			100%	0%	0%	100%	33%	100%	100%	0%	0%	100%	100%	100%	100%	67%	67%	100%	100%	0%	0%	100%	33%
# of values between MDL and PQL	0	0			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.091	0.089	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	67%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK04																									
Sample Date																									
10/08/06	**0.00075**	**0.00075**				20	16	**0.0168**	**0.0075**	**0.155**	**0.155**	2.83	3.15	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4220	4260	**0.050**	**0.050**
05/28/07	**0.00075**	**0.00075**			**0.0847**	203	26	**0.0250**	**0.0250** U	3.9	3.0	22.8	20.8	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.51**	**1.25**	0.121	**0.0075**	12900	13200	0.24	**0.100**
10/27/07	**0.0025**	**0.0025**			**0.025**	40	15	**0.2**	**0.2**	**0.25**	**0.25**	4.90	4.20	**0.05**	**0.05**	**20**	**20**	1.80	1.50	**0.05**	**0.05**	4900	4700	**0.25**	**0.25**
Mean	0.0013	0.0013	NA	NA	0.055	88	19	0.081	0.08	1.4	1.1	10.2	9.38	0.0250	0.0250	6.67	6.67	1.85	1.33	0.06	0.03	7340	7390	0.18	0.13
Median	0.00075	0.00075	NA	NA	0.055	40	16	0.025	0.03	0.25	0.25	4.90	4.20	0.0125	0.0125	0.00750	0.00750	1.80	1.25	0.05	0.02	4900	4700	0.24	0.10
St. Deviation	0.0010	0.0010	NA	NA	0.042	101	6.1	0.10	0.1	2.1	1.6	11.0	9.90	0.0217	0.0217	11.5	11.5	0.630	0.140	0.05	0.02	4830	5040	0.11	0.10
# of values	3	3	0	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.025	20	15	0.0168	0.0075	0.155	0.155	2.83	3.15	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0075	4220	4260	0.050	0.050
Maximum	0.0025	0.0025	NA	NA	0.0847	203	26	0.2	0.2	3.9	3.0	22.8	20.8	0.05	0.05	20	20	2.51	1.50	0.121	0.05	12900	13200	0.25	0.25
% of values undetected	100%	100%			50%	0%	0%	67%	100%	67%	67%	0%	0%	100%	100%	100%	100%	33%	67%	67%	100%	0%	0%	67%	100%
# of values between MDL and PQL	0	0			1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.071	0.070	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK01																									
Sample Date																									
10/07/06	0.875	0.287	15.4	3.06	1420	60	2.18		3310	3140	12	3.8			0.60	0.23	1.6	1.2	2100	1930	**0.852**	**0.751**	7100	0.13	**0.0031**
05/27/07	17.3	16.6	1540	1420	1830	1450	0.676	0.12	2680	2930	117	113	**0.000169**		**0.0250**	**0.0250**	16	16	3820	3980	**0.155**	**0.155**	18500	**0.0031**	**0.0031**
10/21/07	**0.23**	**0.22**	**1.2**	**1.2**	**25**	**10**	**0.05**	**0.05**	3100	3400	**1.5**	**0.9**	**0.000169**		**0.25**	**0.25**	**1.1**	**1.2**	**600**	**600**	0.90	0.90	8500	**0.025**	**0.025**
Mean	6.135	5.70	519	475	1090	507	0.97	0.090	3030	3160	44	39	0.00017	NA	0.29	0.17	6.3	6.0	2200	2170	0.64	0.60	11400	0.052	0.010
Median	0.875	0.287	15	3.1	1420	60	0.68	0.090	3100	3140	12	3.8	0.00017	NA	0.25	0.23	1.6	1.2	2100	1930	0.85	0.75	8500	0.025	0.0031
St. Deviation	9.675	9.44	884	819	950	817	1.10	0.050	320	240	64	64	0	NA	0.29	0.12	8.6	8.3	1600	1700	0.42	0.39	6200	0.066	0.013
# of values	3	3	3	3	3	3	3	2	3	3	3	3	2	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.23	0.22	1.2	1.2	25	10	0.05	0.05	2680	2930	1.5	0.9	0.000169	NA	0.025	0.0250	1.1	1.2	600	600	0.155	0.155	7100	0.0031	0.0031
Maximum	17.3	16.6	1540	1420	1830	1450	2.18	0.12	3310	3400	117	113	0.000169	NA	0.60	0.25	16	16	3820	3980	0.90	0.90	18500	0.13	0.025
% of values undetected	0%	0%	0%	0%	33%	33%	33%	50%	0%	0%	33%	0%	100%		67%	67%	0%	0%	0%	0%	33%	33%	0%	67%	100%
# of values between MDL and PQL	1	1	1	1	0	0	0	0	0	0	0	1	0		0	0	1	1	1	1	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.897	2.781	1000	1000	0.557	0.552	NA	NA	NA	NA	0.012	0.012	NA	NA	16.39	16.34	NA	NA	5	4.6	NA	0.385640796	0.328
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	67%	67%	67%	33%	67%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK02																									
Sample Date																									
10/08/06	0.187	0.128	0.86	0.64	172	67	0.768	0.623	1390	1290	6.9	3.7			0.84	0.69	0.23	0.32	686	771	**0.155**	**0.155**	4880	**0.0031**	**0.0031**
05/27/07																									
05/28/07	0.117	0.0328	0.62	0.36	109	21	**0.050**	**0.050**	2450	2660	6.5	0.99	**0.00250**		1.5	1.6	0.25	0.25	392	428	**0.155**	**0.155**	6220	**0.0031**	**0.0031**
10/27/07	**0.07**	**0.06**	**0.25**	**0.8**	**25**	**10**	**0.05**	**0.25**	2000	2300	**1.2**	**0.9**	**0.000169**		**1.5**	**1.5**	**0.3**	**0.3**	**150**	**150**	**0.25**	**0.25**	7200	**0.025**	**0.025**
Mean	0.125	0.0736	0.58	0.60	102	33	0.29	0.31	1950	2080	4.9	1.9	0.0013	NA	1.3	1.3	0.26	0.29	409	450	0.19	0.19	6100	0.010	0.010
Median	0.117	0.0600	0.62	0.64	109	21	0.050	0.25	2000	2300	6.5	0.99	0.0013	NA	1.5	1.5	0.25	0.30	392	428	0.16	0.16	6220	0.0031	0.0031
St. Deviation	0.059	0.0490	0.31	0.22	74	31	0.42	0.29	530	710	3.2	1.6	0.0017	NA	0.37	0.50	0.040	0.039	268	311	0.055	0.055	1160	0.013	0.013
# of values	3	3	3	3	3	3	3	3	3	3	3	3	2	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.07	0.0328	0.25	0.36	25	10	0.050	0.050	1390	1290	1.2	0.9	0.000169	NA	0.84	0.69	0.23	0.25	150	150	0.155	0.155	4880	0.0031	0.0031
Maximum	0.187	0.128	0.86	0.8	172	67	0.768	0.623	2450	2660	6.9	3.7	0.00250	NA	1.5	1.6	0.3	0.32	686	771	0.25	0.25	7200	0.025	0.025
% of values undetected	0%	0%	33%	0%	33%	33%	67%	67%	0%	0%	0%	0%	100%		33%	33%	33%	33%	33%	33%	100%	100%	0%	100%	100%
# of values between MDL and PQL	1	1	0	1	0	0	0	0	0	0	1	1	0		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.668	2.561	1000	1000	0.493	0.495	NA	NA	NA	NA	0.012	0.012	NA	NA	15.11	15.06	NA	NA	5	4.6	NA	0.326690033	0.278
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	33%	33%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK04																									
Sample Date																									
10/08/06	0.160	0.115	1.4	1.1	180	62	0.15		1390	1350	62.9	46			0.18	0.18	**0.180**	0.23	451	450	**0.155**	**0.155**	4060	**0.0031**	**0.0031**
05/28/07	4.57	4.03	6.83	0.46	10400	8890	0.630	**0.050**	4430	4460	2560	2430	**0.00250**		2.4	1.9	1.4	0.97	1180	565	**0.155**	**0.155**	6820	0.028	**0.0080**
10/27/07	0.31	**0.16**	**1**	**1**	720	200	**0.05**	**0.05**	1600	1500	154	90	**0.00403**		**0.25**	**0.25**	**0.3**	**0.3**	**150**	**400**	**0.05**	**0.05**	6700	**0.025**	**0.025**
Mean	1.68	1.44	3.1	0.90	3770	3051	0.28	0.050	2470	2440	926	855	0.0033	NA	0.94	0.76	0.63	0.50	594	470	0.12	0.12	5860	0.019	0.012
Median	0.31	0.160	1.4	1.0	720	200	0.15	0.050	1600	1500	154	90	0.0033	NA	0.25	0.25	0.30	0.30	451	450	0.16	0.16	6700	0.025	0.0080
St. Deviation	2.5	2.25	3.3	0.40	5750	5058	0.31	0	1700	1750	1416	1364	0.0011	NA	1.3	0.95	0.67	0.41	530	80	0.061	0.061	1560	0.014	0.012
# of values	3	3	3	3	3	3	3	2	3	3	3	3	2	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.160	0.115	1	0.46	180	62	0.05	0.050	1390	1350	62.9	45.6	0.00250	NA	0.18	0.18	0.180	0.23	150	400	0.05	0.05	4060	0.0031	0.0031
Maximum	4.57	4.03	6.83	1.1	10400	8890	0.630	0.05	4430	4460	2560	2430	0.00403	NA	2.4	1.9	1.4	0.97	1180	565	0.155	0.155	6820	0.028	0.025
% of values undetected	0%	0%	0%	0%	0%	0%	33%	100%	0%	0%	0%	0%	50%		33%	33%	33%	33%	33%	0%	100%	100%	0%	67%	67%
# of values between MDL and PQL	0	1	1	1	0	0	0	0	0	0	0	0	1		0	0	1	0	0	1	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	1.988	1.909	1000	1000	0.318	0.335	NA	NA	NA	NA	0.012	0.012	NA	NA	11.29	11.26	NA	NA	5	4.6	NA	0.180725686	0.154
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	33%	0%	33%	33%	33%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK01										
Sample Date										
10/07/06	4660	4410	0.076	0.032	**0.050**	**0.050**	**0.960**	**0.250**	2.71	
05/27/07	3390	3680	0.240	0.19	**0.050**	**0.050**	**0.155**	**0.155**	52.9	50.0
10/21/07	4300	4800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	4120	4300	0.12	0.0914	0.050	0.050	0.41	0.17	18.9	28.0
Median	4300	4410	0.076	0.05	0.050	0.050	0.16	0.16	2.71	28.0
St. Deviation	650	570	0.10	0.0876	0	0	0.48	0.080	29.5	32.0
# of values	3	3	3	3	3	3	3	3	3	2
Minimum	3390	3680	0.05	0.032	0.050	0.050	0.1	0.1	1	5
Maximum	4660	4800	0.240	0.19	0.05	0.05	0.960	0.250	52.9	50.0
% of values undetected	0%	0%	33%	33%	100%	100%	67%	100%	33%	50%
# of values between MDL and PQL	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	37.58	37.05
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	33%	50%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK02										
Sample Date										
10/08/06	2140	2190	**0.0050**	**0.0050**	**0.050**	**0.050**	1.1	**0.250**	1.96	
05/27/07										
05/28/07	2790	2960	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.40	2.25
10/27/07	2900	3100	**0.05**	**0.05**	**0.05**	**0.05**	**0.5**	**0.1**	**1**	**1**
Mean	2610	2750	0.020	0.020	0.050	0.050	0.58	0.17	1.50	1.60
Median	2790	2960	0.0050	0.0050	0.050	0.050	0.50	0.16	1.40	1.60
St. Deviation	410	490	0.026	0.026	0	0	0.46	0.080	0.500	0.900
# of values	3	3	3	3	3	3	3	3	3	2
Minimum	2140	2190	0.0050	0.0050	0.050	0.050	0.155	0.1	1	1
Maximum	2900	3100	0.050	0.05	0.05	0.05	1.1	0.250	1.96	2.25
% of values undetected	0%	0%	100%	100%	100%	100%	67%	100%	33%	50%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	34.63	34.15
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK04										
Sample Date										
10/08/06	2430	2360	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.602**	**0.518**	1.13	
05/28/07	4700	4350	**0.0126**	**0.0050**	**0.050**	**0.050**	1.3	**0.571**	5.13	2.67
10/27/07	2800	2800	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	3300	3170	0.023	0.020	0.050	0.050	0.66	0.40	2.42	3.80
Median	2800	2800	0.013	0.0050	0.050	0.050	0.60	0.52	1.13	3.80
St. Deviation	1200	1050	0.024	0.026	0	0	0.59	0.26	2.35	1.60
# of values	3	3	3	3	3	3	3	3	3	2
Minimum	2430	2360	0.0050	0.0050	0.050	0.050	0.1	0.1	1	2.67
Maximum	4700	4350	0.05	0.05	0.05	0.05	1.3	0.571	5.13	5
% of values undetected	0%	0%	67%	100%	100%	100%	33%	33%	33%	50%
# of values between MDL and PQL	0	0	1	0	0	0	1	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	25.87	25.51
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK06																					
Sample Date																					
10/07/06	3.58	6.54	7.87	64.2	80	411.6	3.93	3.97	70	29	20.0	15.3	**3.10**						0.749	**0.0870**	31.0
05/27/07	3.83	8.79	8.73	75.5	145	414.6	0.42														
Mean	3.71	7.7	8.30	69.9	113.0	413.1	2.2	3.97	70	29	20.0	15.3	3.10	NA	NA	NA	NA	NA	0.749	0.087	31.0
Median	3.71	7.7	8.30	69.9	113.0	413.1	2.2	3.97	70	29	20.0	15.3	3.10	NA	NA	NA	NA	NA	0.749	0.087	31.0
St. Deviation	0.180	1.6	0.610	8.00	46.0	2.1	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	1	1	1
Minimum	3.58	6.54	7.87	64.2	80	411.6	0.42	3.97	70	29	20.0	15.3	3.10	NA	NA	NA	NA	NA	0.749	0.0870	31.0
Maximum	3.83	8.79	8.73	75.5	145	414.6	3.93	3.97	70	29	20.0	15.3	3.10	NA	NA	NA	NA	NA	0.749	0.0870	31.0
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%						0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0						0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	NA	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	NA	NA	NA	NA	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	NA	NA		0%	0%	0%
SRK08																					
Sample Date																					
10/07/06	3.35	4.29	6.19	47.9	273	545.9	1.72	35.2	250	148	**0.667**	54.0	**3.10**						0.986	0.38	193
05/27/07	3.34	4.02	9.4	71.7	423	490.3	0.4	60.0	405	290	**0.632**	130	**1.55**	0.153			0.097		0.966	0.84	194
10/21/07	3.3	1.1	7.01	49.6	292	351.9	0.05	44	269	160	**2.5**	54.0	**1**	0.300			**0.01**		**1.1**	**0.4**	104
Mean	3.33	0	7.53	56.4	329	462.7	1	46	308	200	1.27	79.0	1.9	0.230	NA	NA	0.053	NA	1.02	0.54	164
Median	3.34	4.02	7.01	49.6	292	490.3	0.40	44	269	160	0.667	54.0	1.6	0.230	NA	NA	0.053	NA	0.986	0.40	193
St. Deviation	0.030	0	1.67	13.3	82	99.9	1	13	85	80	1.07	44.0	1.1	0.100	NA	NA	0.061	NA	0.0720	0.26	52
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	2.00	0	3	3	3
Minimum	3.3	1.1	6.19	47.9	273	351.9	0.05	35.2	250	148	0.632	54.0	1	0.153	NA	NA	0.01	NA	0.966	0.38	104
Maximum	3.35	4.29	9.4	71.7	423	545.9	1.72	60.0	405	290	2.5	130	3.10	0.300	NA	NA	0.097	NA	1.1	0.84	194
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	100%	0%			0%		0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	0	0			1		1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SRK09																					
Sample Date																					
10/07/06	3.7	4.03	8.29	63.4	167	437.3	1.24	25.1	150	118	8.00	29.0	**3.10**						0.766	0.268	128
05/27/07	2.99	1.61	8.35	59.6	278	511.1	0.58	32.2	100	89	2.30	**1.57**	**9.17**	**0.0795**			0.040		0.887	**0.0760**	33.7
10/21/07	3.54	2.12	8.5	62	182	300.3	0.27	26	179	130	**2.5**	34.0	**1**	0.570			**0.01**		**1.0**	**0.3**	67.3
Mean	3.41	3	8.38	61.7	209	416.2	0.70	27.8	140	112	4.30	22.0	4.4	0.325	NA	NA	0.025	NA	0.884	0.21	76.3
Median	3.54	2.12	8.35	62.0	182	437.3	0.58	26	150	118	2.50	29.0	3.1	0.325	NA	NA	0.025	NA	0.887	0.27	67.3
St. Deviation	0.370	1	0.110	1.90	60.0	107.0	0.50	3.9	40	21	3.20	17.0	4.2	0.347	NA	NA	0.021	NA	0.117	0.12	47.8
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	2	0	3	3	3
Minimum	2.99	1.61	8.29	59.6	167	300.3	0.27	25.1	100	89	2.30	1.57	1	0.0795	NA	NA	0.01	NA	0.766	0.0760	33.7
Maximum	3.7	4.03	8.5	63.4	278	511.1	1.24	32.2	179	130	8.00	34.0	9.17	0.570	NA	NA	0.040	NA	1.0	0.3	128
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	67%	0%			0%		0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	1			1		1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK06																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				1030	776	**0.0075**	**0.0075**	**0.155**	**0.155**	2.79	3.27	0.101	0.0880	**0.0156**	**0.0212**	**1.25**	**1.25**	0.0616	0.0530	1020		**0.050**	**0.050**
05/27/07																									
Mean	0.00075	0.0025	NA	NA	NA	1030	776	0.0075	0.008	0.16	0.16	2.79	3.27	0.101	0.0880	0.0156	0.0212	1.25	1.25	0.06	0.05	1020	NA	0.050	0.050
Median	0.00075	0.0025	NA	NA	NA	1030	776	0.0075	0.008	0.16	0.16	2.79	3.27	0.101	0.0880	0.0156	0.0212	1.25	1.25	0.06	0.05	1020	NA	0.050	0.050
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
Minimum	0.00075	0.0025	NA	NA	NA	1030	776	0.0075	0.0075	0.155	0.155	2.79	3.27	0.101	0.0880	0.0156	0.0212	1.25	1.25	0.0616	0.0530	1020	NA	0.050	0.050
Maximum	0.00075	0.0025	NA	NA	NA	1030	776	0.0075	0.0075	0.155	0.155	2.79	3.27	0.101	0.0880	0.0156	0.0212	1.25	1.25	0.0616	0.0530	1020	NA	0.050	0.050
% of values undetected	100%	100%				0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%		100%	100%
# of values between MDL and PQL	0	0				0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0		0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.025	0.026	NA	NA	6.134996033	5.276096588
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	NA	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	NA	0%	0%
% of DWS exceedences	0%	0%	NA	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%
SRK08																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				5070	6080	**0.0075**	**0.0075**	**0.155**	**0.155**	11.4	12.4	0.250	0.215	**0.0162**	**0.0258**	**1.25**	**1.25**	0.411	0.397	9030	11000	**0.050**	**0.050**
05/27/07	**0.00075**	**0.00075**			**0.0155**	18200	16600	0.062	**0.0075**	**0.155**	**0.155**	14.2	14.6	0.581	0.535	**0.0075**	**0.0075**	**1.25**	**1.25**	1.08	1.00	11300	11500	0.27	**0.050**
10/21/07	**0.0025**	**0.0025**			**0.15**	6700	6640	**0.2**	**0.2**	**0.25**	**0.25**	12.8	13.7	**0.3**	**0.3**	**20**	**20**	**2.5**	1.40	**0.25**	**0.25**	10400	10900	**0.25**	**0.25**
Mean	0.0013	0.0019	NA	NA	0.083	9990	9770	0.090	0.07	0.19	0.19	12.8	13.6	0.380	0.350	6.68	6.68	1.67	1.30	0.6	0.6	10200	11100	0.19	0.12
Median	0.00075	0.0025	NA	NA	0.083	6700	6640	0.062	0.008	0.16	0.16	12.8	13.7	0.300	0.300	0.0162	0.0258	1.25	1.25	0.4	0.4	10400	11000	0.25	0.050
St. Deviation	0.0010	0.0010	NA	NA	0.095	7160	5920	0.099	0.1	0.055	0.055	1.40	1.10	0.180	0.166	11.5	11.5	0.720	0.0900	0.4	0.4	1100	300	0.12	0.12
# of values	3	3	0	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	5070	6080	0.0075	0.0075	0.155	0.155	11.4	12.4	0.250	0.215	0.0075	0.0075	1.25	1.25	0.25	0.25	9030	10900	0.050	0.050
Maximum	0.0025	0.0025	NA	NA	0.15	18200	16600	0.2	0.2	0.25	0.25	14.2	14.6	0.581	0.535	20	20	2.5	1.40	1.08	1.00	11300	11500	0.27	0.25
% of values undetected	100%	100%			100%	0%	0%	67%	100%	100%	100%	0%	0%	0%	0%	67%	67%	100%	67%	33%	33%	0%	0%	67%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.127	0.121	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK09																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				3170	2860	**0.0075**	**0.0075**	0.84	**0.155**	31.6	30.7	0.127	0.136	**0.0150**	**0.0075**	**1.25**	**1.25**	0.165	0.181	6860	6680	**0.050**	**0.178**
05/27/07	**0.00075**	**0.00075**			**0.0441**	28.9	25.8	**0.0250**	**0.0250** U	**0.155**	**0.155**	9.04	10.5	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9620	10800	**0.100**	0.3050
10/21/07	**0.0025**	**0.0025**			**0.15**	4460	4440	**0.2**	**0.2**	**0.25**	**0.25**	31.6	32.1	**0.1**	**0.1**	**20**	**20**	**0.25**	1.50	**0.25**	**0.25**	6300	6800	**0.05**	**0.05**
Mean	0.0013	0.0019	NA	NA	0.097	2550	2440	0.078	0.08	0.42	0.19	24.1	24.4	0.0800	0.0830	6.67	6.67	0.920	1.33	0.1	0.2	7590	8090	0.067	0.18
Median	0.00075	0.0025	NA	NA	0.097	3170	2860	0.025	0.03	0.25	0.16	31.6	30.7	0.100	0.100	0.0150	0.00750	1.25	1.25	0.2	0.2	6860	6800	0.050	0.18
St. Deviation	0.0010	0.0010	NA	NA	0.075	2280	2240	0.11	0.1	0.37	0.055	13.0	12.1	0.0600	0.0640	11.5	11.5	0.580	0.140	0.1	0.1	1780	2340	0.029	0.13
# of values	3	3	0	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0441	28.9	25.8	0.0075	0.0075	0.155	0.155	9.04	10.5	0.0125	0.0125	0.0075	0.0075	0.25	1.25	0.0075	0.0075	6300	6680	0.05	0.05
Maximum	0.0025	0.0025	NA	NA	0.15	4460	4440	0.2	0.2	0.84	0.25	31.6	32.1	0.127	0.136	20	20	1.25	1.50	0.25	0.25	9620	10800	0.1	0.3050
% of values undetected	100%	100%			50%	0%	0%	100%	100%	67%	100%	0%	0%	33%	33%	67%	100%	100%	67%	67%	67%	0%	0%	100%	33%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.097	0.094	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	67%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	67%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK06																									
Sample Date																									
10/07/06	3.01	2.90	306	288	1370	548	2.56	1.49	349	416	40.5	39			0.15	**0.0145**	3.0	3.0	78.7	104	**0.155**	**0.155**	2380	**0.0031**	**0.0031**
05/27/07																									
Mean	3.01	2.90	306	288	1370	548	2.6	1.5	349	416	41	39	NA	NA	0.15	0.015	3.0	3.0	78.7	104	0.16	0.16	2380	0.0031	0.0031
Median	3.01	2.90	306	288	1370	548	2.6	1.5	349	416	41	39	NA	NA	0.15	0.015	3.0	3.0	78.7	104	0.16	0.16	2380	0.0031	0.0031
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
Minimum	3.01	2.90	306	288	1370	548	2.56	1.49	349	416	40.5	39	NA	NA	0.15	0.0145	3.0	3.0	78.7	104	0.155	0.155	2380	0.0031	0.0031
Maximum	3.01	2.90	306	288	1370	548	2.56	1.49	349	416	40.5	39	NA	NA	0.15	0.0145	3.0	3.0	78.7	104	0.155	0.155	2380	0.0031	0.0031
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			0%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	0.592	0.569	1000	1000	0.052	0.066	NA	NA	NA	NA	0.012	0.012	NA	NA	3.40	3.39	NA	NA	5	4.6	NA	0.015787729	0.013
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	NA	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	100%	0%	100%	100%	0%	0%	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK08																									
Sample Date																									
10/07/06	24.1	26.0	2880	2970	490	314	**0.0155**	0.11	3060		241	262			**0.0145**	**0.0145**	16	17	1260		**0.155**	**0.155**	11700	**0.0031**	**0.0031**
05/27/07	74.9	69.4	6410	6010	710	493	**0.050**	0.15	7710	7630	805	709	**0.00250**		**0.0250**	**0.0250**	43.1	40.3	3150	3100	**0.630**	**0.557**	14700	**0.0031**	**0.0031**
10/21/07	24.1	23.9	2990	2990	280	270	**0.05**	**0.05**	4000	4000	265	245	**0.000169**		**0.25**	**0.25**	16	17	**1500**	**1600**	**0.25**	**0.25**	11600	**0.025**	**0.025**
Mean	41	39.8	4090	3990	490	359	0.039	0.10	4920	5800	437	405	0.0013	NA	0.097	0.097	25	25	1970	2400	0.35	0.32	12700	0.010	0.010
Median	24.1	26.0	2990	2990	490	314	0.050	0.11	4000	5800	265	262	0.0013	NA	0.025	0.025	16	17	1500	2400	0.25	0.25	11700	0.0031	0.0031
St. Deviation	29.3	25.7	2010	1750	220	118	0.020	0.048	2460	2600	319	263	0.0017	NA	0.13	0.13	16	13	1030	1100	0.25	0.21	1800	0.013	0.013
# of values	3	3	3	3	3	3	3	3	3	2	3	3	2	0	3	3	3	3	3	2	3	3	3	3	3
Minimum	24.1	23.9	2880	2970	280	270	0.0155	0.05	3060	4000	241	245	0.000169	NA	0.0145	0.0145	16	17	1260	1600	0.155	0.155	11600	0.0031	0.0031
Maximum	74.9	69.4	6410	6010	710	493	0.05	0.15	7710	7630	805	709	0.00250	NA	0.25	0.25	43.1	40.3	3150	3100	0.630	0.557	14700	0.025	0.025
% of values undetected	0%	0%	0%	0%	0%	0%	100%	33%	0%	0%	0%	0%	100%		100%	100%	0%	0%	0%	0%	67%	67%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	1	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.904	3.748	1000	1000	0.869	0.817	NA	NA	NA	NA	0.012	0.012	NA	NA	22.02	21.95	NA	NA	5	4.6	NA	0.702907873	0.597
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	33%	33%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK09																									
Sample Date																									
10/07/06	10.2	10.9	1170	1160	3670	260	0.19	0.11	1930	1800	54.3	57			**0.0145**	0.0306	9.8	10	2300	2460	**0.155**	0.369	13300	**0.0031**	
05/27/07	0.106	0.0860	1.22	1.1	168	97	**0.050**	**0.050**	1990	2350	6.6	4.1	**0.000169**		0.083	0.10	0.72	0.8	1320	1470	**0.155**	**0.155**	7050	**0.0031**	**0.0031**
10/21/07	10.2	10.2	1210	1190	540	220	**0.05**	**0.05**	2300	2300	56	55	**0.000169**		**0.25**	**0.25**	10	10	2800	2800	**0.25**	**0.25**	16900	**0.025**	**0.025**
Mean	6.8	7.10	790	780	1459	190	0.097	0.069	2070	2200	39	39	0.00017	NA	0.12	0.13	6.9	7.1	2100	2240	0.19	0.26	12400	0.010	0.014
Median	10.2	10.2	1170	1160	540	220	0.050	0.050	1990	2300	54	55	0.00017	NA	0.083	0.10	9.8	10	2300	2460	0.16	0.25	13300	0.0031	0.014
St. Deviation	5.8	6.10	690	680	1924	80	0.082	0.033	200	300	28	30	0	NA	0.12	0.11	5.4	5.5	800	690	0.055	0.11	5000	0.013	0.015
# of values	3	3	3	3	3	3	3	3	3	3	3	3	2	0	3	3	3	3	3	3	3	3	3	3	2
Minimum	0.106	0.0860	1.22	1.1	168	97	0.05	0.05	1930	1800	6.55	4.1	0.000169	NA	0.0145	0.0306	0.72	0.8	1320	1470	0.155	0.155	7050	0.0031	0.0031
Maximum	10.2	10.9	1210	1190	3670	260	0.192	0.107	2300	2350	56	57	0.000169	NA	0.25	0.25	10	10	2800	2800	0.25	0.369	16900	0.025	0.025
% of values undetected	0%	0%	0%	0%	0%	0%	67%	67%	0%	0%	0%	0%	100%		67%	33%	0%	0%	0%	0%	100%	67%	0%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0		0	1	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.872	2.757	1000	1000	0.550	0.546	NA	NA	NA	NA	0.012	0.012	NA	NA	16.25	16.20	NA	NA	5	4.6	NA	0.378889374	0.322
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	67%	67%	33%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK06										
Sample Date										
10/07/06	509	578	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	11.4	
05/27/07										
Mean	509	578	0.0050	0.0050	0.050	0.050	0.25	0.25	11.4	NA
Median	509	578	0.0050	0.0050	0.050	0.050	0.25	0.25	11.4	NA
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	1	1	1	1	1	1	0
Minimum	509	578	0.0050	0.0050	0.050	0.050	0.250	0.250	11.4	NA
Maximum	509	578	0.0050	0.0050	0.050	0.050	0.250	0.250	11.4	NA
% of values undetected	0%	0%	100%	100%	100%	100%	100%	100%	0%	
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	7.79	7.68
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	100%	NA
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA
SRK08										
Sample Date										
10/07/06	2800		0.25	0.24	**0.050**	**0.050**	**0.250**	**0.250**	63.7	68.2
05/27/07	4420	4490	0.42	0.36	**0.050**	**0.050**	**0.155**	**0.155**	164	154
10/21/07	3600	3500	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**1**	74	74
Mean	3600	4000	0.31	0.28	0.050	0.050	0.17	0.47	101	98.7
Median	3600	4000	0.25	0.25	0.050	0.050	0.16	0.25	74.0	74.0
St. Deviation	800	700	0.10	0.065	0	0	0.080	0.46	55.2	48.0
# of values	3	2	3	3	3	3	3	3	3	3
Minimum	2800	3500	0.25	0.24	0.050	0.050	0.1	0.155	63.7	68.2
Maximum	4420	4490	0.42	0.36	0.05	0.05	0.250	1	164	154
% of values undetected	0%	0%	33%	33%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	50.51	49.80
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK09										
Sample Date										
10/07/06	2630	2470	0.16	0.19	**0.050**	**0.050**	**0.541**	**0.250**	31.6	34.1
05/27/07	3670	4280	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.351**	**0.155**	1.89	
10/21/07	3100	3000	**0.25**	**0.25**	**0.05**	**0.25**	**0.1**	**1**	36.0	37
Mean	3130	3250	0.14	0.15	0.050	0.12	0.33	0.47	23.2	36.0
Median	3100	3000	0.16	0.19	0.050	0.050	0.35	0.25	31.6	36.0
St. Deviation	520	930	0.12	0.13	0	0.12	0.22	0.46	18.6	2.00
# of values	3	3	3	3	3	3	3	3	3	2
Minimum	2630	2470	0.0050	0.0050	0.050	0.050	0.1	0.155	1.89	34.1
Maximum	3670	4280	0.25	0.25	0.05	0.25	0.541	1	36.0	37
% of values undetected	0%	0%	67%	67%	100%	100%	33%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	37.25	36.73
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK10																					
Sample Date																					
10/07/06	3.19	2.96	8.1	60.2	332	561.7	3.32	18.8	310	108	**0.227**	52.5	**3.10**	0.429	**0.0155**	0.418	**0.00155**		0.823	0.134	62.0
10/21/07	2.91	2.09	7.75	56.2	343	512.8	0.5	31	341	150	**2.5**	62.0	**1**	0.44			**0.01**		**1.0**	**0.1**	95.9
Mean	3.05	3	7.90	58.2	338	537.3	2	25	326	129	1.36	57.0	2.0	0.430	0.0155	0.418	0.006	NA	0.900	0.12	79.0
Median	3.05	3	7.90	58.2	338	537.3	2	25	326	129	1.36	57.0	2.0	0.430	0.0155	0.418	0.006	NA	0.900	0.12	79.0
St. Deviation	0.200	1.000	0.200	2.80	8.0	34.6	2.0	9	22	30	1.61	7.00	1.0	0.010	NA	NA	0.006	NA	0.100	0.020	24.0
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	0	2	2	2
Minimum	2.91	2.09	7.75	56.2	332	512.8	0.5	18.8	310	108	0.227	52.5	1	0.429	0.0155	0.418	0.00155	NA	0.823	0.1	62.0
Maximum	3.19	2.96	8.1	60.2	343	561.7	3.32	31	341	150	2.5	62.0	3.10	0.44	0.0155	0.418	0.01	NA	1.0	0.134	95.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	100%	0%	100%	0%	50%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK11																					
Sample Date																					
10/07/06	3.98	3.17	6.99	52.1	108	247.8	2.09	17.2	95	81	13.0	20.8	**3.10**						1.01	0.21	40.4
05/26/07								19.5	115	101	1.20	27.0	**1.55**	0.448			0.016		0.819	0.11	43.8
05/27/07	3.86	2.69	8.27	60.1	110	404.2	0.18														
10/21/07	4.09	2.73	7.06	52.2	73	233.4	0.45	24	122	90	24	26.0	**1**	0.710			**0.02**		**1.0**	**0.1**	47.8
Mean	3.98	3	7.44	54.8	100.0	295.1	0.9	20.2	111	91	13.0	25.0	1.9	0.580	NA	NA	0.020	NA	0.940	0.14	44.0
Median	3.98	2.73	7.06	52.2	108	247.8	0.45	19.5	115	90	13.0	26.0	1.6	0.580	NA	NA	0.020	NA	1.00	0.11	43.8
St. Deviation	0.120	0.000	0.720	4.60	20.0	94.7	1.0	3.5	14	10	11.0	3.00	1.1	0.190	NA	NA	0	NA	0.110	0.060	3.70
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	2	0	3	3	3
Minimum	3.86	2.69	6.99	52.1	73	233.4	0.18	17.2	95	81.2	1.20	20.8	1	0.448	NA	NA	0.016	NA	0.819	0.1	40.4
Maximum	4.09	3.17	8.27	60.1	110	404.2	2.09	24	122	101	24	27.0	3.10	0.710	NA	NA	0.02	NA	1.01	0.21	47.8
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%			0%		0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			1		1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SRK12																					
Sample Date																					
10/07/06	2.28	5.13	5.16	41.6	419	500.1	0.93	32.7	370	168	**0.75**	68.0	**1.55**						0.983	0.32	214
05/26/07								23.4	210	126	3.37	40.0	**1.55**	0.190			**0.00155**		0.889	0.17	64.0
05/27/07	3.13	2.47	8.97	65.6	136	460.9	0.39														
Mean	2.71	4.00	7.07	53.6	278	480.5	0.7	28.1	290	147	2.06	54.0	1.6	0.190	NA	NA	0.002	NA	0.936	0.25	139
Median	2.71	4.00	7.07	53.6	278	480.5	0.7	28.1	290	147	2.06	54.0	1.6	0.190	NA	NA	0.002	NA	0.936	0.25	139
St. Deviation	0.600	2	2.69	17.0	200	27.7	0.4	6.6	110	30	1.85	20.0	0.0	NA	NA	NA	NA	NA	0.0660	0.10	106
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	1	0	2	2	2
Minimum	2.28	2.47	5.16	41.6	136	460.9	0.39	23.4	210	126	0.75	40.0	1.55	0.190	NA	NA	0.00155	NA	0.889	0.17	64.0
Maximum	3.13	5.13	8.97	65.6	419	500.1	0.93	32.7	370	168	3.37	68.0	1.55	0.190	NA	NA	0.00155	NA	0.983	0.32	214
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	100%	0%			100%		0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK10																									
Sample Date																									
10/07/06	**0.00075**	**0.00075**			**0.0155**	2890	2580	**0.0075**	**0.0075**	**0.319**	**0.155**	14.0	15.2	0.0694	0.0718	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0420**	3890	4700	0.67	
10/21/07	**0.0025**	**0.0025**			**0.15**	4820	4870	**0.2**	**0.2**	**0.25**	**0.25**	16.6	17.7	**0.1**	**0.1**	**20**	**20**	**0.5**		**0.05**	**0.05**	5700	6200	1.4	1.3
Mean	0.0016	0.0016	NA	NA	0.083	3860	3730	0.10	0.1	0.28	0.20	15.0	16.5	0.0800	0.0900	10.0	10.0	0.900	1.25	0.03	0.05	4800	5500	1.0	1.3
Median	0.0016	0.0016	NA	NA	0.083	3860	3730	0.10	0.1	0.28	0.20	15.0	16.5	0.0800	0.0900	10.0	10.0	0.900	1.25	0.03	0.05	4800	5500	1.0	1.3
St. Deviation	0.0012	0.0012	NA	NA	0.095	1360	1620	0.14	0.1	0.050	0.070	2.00	1.80	0.0200	0.0200	14.1	14.1	0.500	NA	0.02	0.01	1280	1100	0.51	NA
# of values	2	2	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1
Minimum	0.00075	0.00075	NA	NA	0.0155	2890	2580	0.0075	0.0075	0.25	0.155	14.0	15.2	0.0694	0.0718	0.0075	0.0075	0.5	1.25	0.0185	0.0420	3890	4700	0.67	1.3
Maximum	0.0025	0.0025	NA	NA	0.15	4820	4870	0.2	0.2	0.319	0.25	16.6	17.7	0.1	0.1	20	20	1.25	1.25	0.05	0.05	5700	6200	1.4	1.3
% of values undetected	100%	100%			100%	0%	0%	100%	100%	50%	100%	0%	0%	0%	0%	100%	100%	100%	100%	100%	50%	0%	0%	0%	0%
# of values between MDL and PQL	0	0			0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.080	0.078	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK11																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				2240	1650	**0.0075**	0.0214 J	**0.155**	**0.155**	25.5	24.6	0.0952	0.0730	0.0218	**0.0075**	**1.25**	**1.25**	**0.0185**	0.0396	4570	4710	**0.050**	0.21
05/26/07	**0.00075**	**0.00075**			**0.0155**	3240	3150	**0.0075**	**0.0250** U	**0.155**	**0.155**	24.8	26.4	0.104	0.0916	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0746	0.0812	4800	5520	**0.050**	**0.100**
05/27/07																									
10/21/07	**0.0025**	**0.0025**			**0.05**	3250	2940	**0.2**	**0.2**	**0.25**	**0.25**	27.9	25.6	**0.1**	**0.1**	**20**	**20**	**0.5**	1.80	**0.25**	**0.05**	6000	6300	**0.25**	**0.05**
Mean	0.0013	0.0019	NA	NA	0.033	2910	2580	0.072	0.08	0.19	0.19	26.1	25.5	0.100	0.088	6.68	6.67	1.00	1.43	0.1	0.06	5100	5510	0.12	0.12
Median	0.00075	0.0025	NA	NA	0.033	3240	2940	0.0075	0.03	0.16	0.16	25.5	25.6	0.100	0.0916	0.0218	0.00750	1.25	1.25	0.1	0.05	4800	5520	0.050	0.10
St. Deviation	0.0010	0.0010	NA	NA	0.024	580	810	0.11	0.1	0.055	0.055	1.60	0.900	0.00400	0.014	11.5	11.5	0.430	0.320	0.1	0.02	800	800	0.12	0.080
# of values	3	3	0	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	2240	1650	0.0075	0.0214	0.155	0.155	24.8	24.6	0.0952	0.0730	0.0075	0.0075	0.5	1.25	0.0185	0.0396	4570	4710	0.050	0.05
Maximum	0.0025	0.0025	NA	NA	0.05	3250	3150	0.2	0.2	0.25	0.25	27.9	26.4	0.104	0.1	20	20	1.25	1.80	0.25	0.0812	6000	6300	0.25	0.21
% of values undetected	100%	100%			100%	0%	0%	100%	67%	100%	100%	0%	0%	0%	0%	67%	100%	100%	67%	67%	33%	0%	0%	100%	67%
# of values between MDL and PQL	0	0			0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.074	0.073	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK12																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				3730	3530	**0.0075**	**0.0075**	**0.155**	**0.155**	13.3	16.2	0.178	0.156	0.0150	0.0244	**1.25**	**1.25**	0.119	0.0956	6130	6790	**0.050**	**0.050**
05/26/07	**0.00075**	**0.00075**			0.0323	3000	3090	**0.0075**	**0.0250** U	**0.155**	**0.155**	20.9	22.6	0.126	0.131	**0.0075**	**0.0075**	**1.25**	**1.25**	0.146	0.146	5030	5810	**0.050**	**0.050**
05/27/07																									
Mean	0.00075	0.0016	NA	NA	0.032	3400	3310	0.0075	0.02	0.16	0.16	17.1	19.4	0.152	0.144	0.0110	0.0160	1.25	1.25	0.1	0.1	5580	6300	0.05	0.050
Median	0.00075	0.0016	NA	NA	0.032	3400	3310	0.0075	0.02	0.16	0.16	17.1	19.4	0.152	0.144	0.0110	0.0160	1.25	1.25	0.1	0.1	5580	6300	0.05	0.050
St. Deviation	0	0.0012	NA	NA	NA	500	310	0	0.01	0	0	5.40	4.50	0.0370	0.0180	0.00500	0.0120	0	0	0.02	0.04	780	690	0	0
# of values	2	2	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00075	0.00075	NA	NA	0.0323	3000	3090	0.0075	0.0075	0.155	0.155	13.3	16.2	0.126	0.131	0.0075	0.0075	1.25	1.25	0.119	0.0956	5030	5810	0.050	0.050
Maximum	0.00075	0.0025	NA	NA	0.0323	3730	3530	0.0075	0.0250	0.155	0.155	20.9	22.6	0.178	0.156	0.0150	0.0244	1.25	1.25	0.146	0.146	6130	6790	0.050	0.050
% of values undetected	100%	100%			0%	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	50%	50%	100%	100%	0%	0%	0%	0%	100%	100%
# of values between MDL and PQL	0	0			1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.094	0.091	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK10																									
Sample Date																									
10/07/06	5.63	6.63	123	135	1740	1850	0.32	0.30	2210	2030	45	51.2	**0.000475**		**0.0300**	**0.0145**	9.5	10	1430	1510	1.7	2.0	9760	0.069	0.0578
10/21/07	8.82	8.96	149	150	2060	1980	**0.25**	**0.25**	3600	3700	72.8	73	**0.000169**		**0.25**	**0.25**	14.9	15.3	**1800**	2000	2.4	2.4	13100	**0.025**	**0.025**
Mean	7.23	7.80	136	143	1900	1920	0.28	0.28	2910	2870	59	62	0.00032	NA	0.14	0.13	12	13	1620	1800	2.0	2.2	11430	0.047	0.041
Median	7.23	7.80	136	143	1900	1920	0.28	0.28	2910	2870	59	62	0.00032	NA	0.14	0.13	12	13	1620	1800	2.0	2.2	11430	0.047	0.041
St. Deviation	2.26	1.65	18	11	230	90	0.1	0.040	980	1180	20	15	0.00022	NA	0.16	0.17	3.8	3.5	260	300	0.50	0.30	2360	0.031	0.023
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2
Minimum	5.63	6.63	123	135	1740	1850	0.25	0.25	2210	2030	45	51.2	0.000169	NA	0.0300	0.0145	9.5	10	1430	1510	1.7	2.0	9760	0.025	0.025
Maximum	8.82	8.96	149	150	2060	1980	0.32	0.30	3600	3700	72.8	73	0.000475	NA	0.25	0.25	14.9	15.3	1800	2000	2.4	2.4	13100	0.069	0.0578
% of values undetected	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	100%		50%	100%	0%	0%	0%	0%	0%	0%	0%	50%	50%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0		1	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.299	2.207	1000	1000	0.395	0.407	NA	NA	NA	NA	0.012	0.012	NA	NA	13.03	12.99	NA	NA	5	4.6	NA	0.24199361	0.206
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK11																									
Sample Date																									
10/07/06	3.61	3.61	34.2	30.4	1870	166	0.1590	**0.0920**	1400	1330	45	43			**0.0145**	**0.0145**	5.4	5.3	1270	1330	**0.528**	**0.408**	8650	0.021	**0.0031**
05/26/07	4.62	4.89	44.0	44.2	482	433	**0.0155**	**0.050**	1820	2040	60.5	68	**0.000345**		**0.0075**	**0.0250**	6.5	6.9	1470	1580	**0.666**	**0.673**	13500	**0.0031**	**0.0031**
05/27/07																									
10/21/07	4.08	3.99	44.4	43.6	1200	320	**0.25**	**0.05**	2100	2100	50	50	**0.000169**		**0.25**	**0.25**	5.8	6.1	**1800**	**1900**	0.80	0.6	14600	**0.025**	**0.025**
Mean	4.1	4.16	41	39	1180	306	0.14	0.064	1800	1820	52	53	0.00026	NA	0.091	0.097	5.9	6.1	1510	1600	0.67	0.56	12300	0.016	0.010
Median	4.08	3.99	44	44	1200	320	0.16	0.050	1820	2040	50	50	0.00026	NA	0.015	0.025	5.8	6.1	1470	1580	0.67	0.60	13500	0.021	0.0031
St. Deviation	0.51	0.660	5.8	7.8	690	134	0.12	0.024	400	430	8.1	13	0.00012	NA	0.14	0.13	0.58	0.83	270	290	0.14	0.14	3200	0.012	0.013
# of values	3	3	3	3	3	3	3	3	3	3	3	3	2	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	3.61	3.61	34.2	30.4	482	166	0.0155	0.050	1400	1330	45	43	0.000169	NA	0.0075	0.0145	5.4	5.3	1270	1330	0.528	0.408	8650	0.0031	0.0031
Maximum	4.62	4.89	44.4	44.2	1870	433	0.25	0.0920	2100	2100	60.5	68	0.000345	NA	0.25	0.25	6.5	6.9	1800	1900	0.80	0.673	14600	0.025	0.025
% of values undetected	0%	0%	0%	0%	0%	0%	67%	67%	0%	0%	0%	0%	50%		100%	100%	0%	0%	0%	0%	0%	0%	0%	67%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	0	0	0	1		0	0	0	0	1	1	2	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.097	2.013	1000	1000	0.344	0.360	NA	NA	NA	NA	0.012	0.012	NA	NA	11.90	11.86	NA	NA	5	4.6	NA	0.201108989	0.171
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	67%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK12																									
Sample Date																									
10/07/06	11.5	9.66	62.5	45.7	7520	3360	0.10	0.19	4230	4260	226	214			**0.0145**	**0.0145**	16.9	15	2990	2690	**0.155**	**0.155**	15900	0.033	**0.0031**
05/26/07	6.21	6.61	27.9	29.0	3150	3190	**0.0155**	**0.050**	2620	2830	146	155	**0.000515**		**0.0075**	**0.0250**	8.7	9.3	2450	2540	**0.155**	**0.155**	13400	**0.0031**	**0.0031**
05/27/07																									
Mean	8.9	8.14	45	37	5340	3280	0.060	0.120	3430	3550	186	185	0.00052	NA	0.011	0.020	13	12	2720	2620	0.16	0.16	14700	0.018	0.0031
Median	8.9	8.14	45	37	5340	3280	0.060	0.120	3430	3550	186	185	0.00052	NA	0.011	0.020	13	12	2720	2620	0.16	0.16	14700	0.018	0.0031
St. Deviation	3.7	2.16	25	12	3090	120	0.063	0.10	1140	1010	57	42	NA	NA	0.0049	0.0070	5.8	3.7	380	110	0	0	1800	0.021	0
# of values	2	2	2	2	2	2	2	2	2	2	2	2	1	0	2	2	2	2	2	2	2	2	2	2	2
Minimum	6.21	6.61	27.9	29.0	3150	3190	0.0155	0.050	2620	2830	146	155	0.000515	NA	0.0075	0.0145	8.69	9.3	2450	2540	0.155	0.155	13400	0.0031	0.0031
Maximum	11.5	9.66	62.5	45.7	7520	3360	0.10	0.19	4230	4260	226	214	0.000515	NA	0.0145	0.0250	16.9	15	2990	2690	0.155	0.155	15900	0.033	0.0031
% of values undetected	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%		100%	100%	0%	0%	0%	0%	100%	100%	0%	50%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.742	2.633	1000	1000	0.513	0.513	NA	NA	NA	NA	0.012	0.012	NA	NA	15.52	15.48	NA	NA	5	4.6	NA	0.345262692	0.293
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK10										
Sample Date										
10/07/06	2170	2000	0.091	0.074	**0.050**	**0.050**	**0.250**	**0.835**	7.81	
10/21/07	2500	2500	**0.25**	**0.25**	**0.05**	**0.25**	**0.1**	**1**	11.0	14.0
Mean	2340	2300	0.17	0.16	0.050	0.15	0.20	0.90	9.40	14.0
Median	2340	2300	0.17	0.16	0.050	0.15	0.20	0.90	9.40	14.0
St. Deviation	230	400	0.11	0.12	0	0.14	0.10	0.10	2.30	NA
# of values	2	2	2	2	2	2	2	2	2	1
Minimum	2170	2000	0.091	0.074	0.050	0.050	0.1	0.835	7.81	14.0
Maximum	2500	2500	0.25	0.25	0.05	0.25	0.250	1	11.0	14.0
% of values undetected	0%	0%	50%	50%	100%	100%	100%	50%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	29.87	29.45
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK11										
Sample Date										
10/07/06	2190	2060	0.022	0.025	**0.050**	**0.050**	**0.694**	**0.712**	8.77	
05/26/07	2540	2750	0.034	0.034	**0.050**		**0.155**	**0.155**	11.4	13.4
05/27/07										
10/21/07	3000	3000	0.60	0.60	**0.05**	**0.05**	**0.1**	**0.5**	**5**	13.0
Mean	2580	2600	0.22	0.22	0.050	0.050	0.32	0.46	8.39	13.0
Median	2540	2750	0.034	0.034	0.050	0.050	0.16	0.50	8.77	13.0
St. Deviation	410	490	0.33	0.33	0	0	0.33	0.28	3.22	0
# of values	3	3	3	3	3	2	3	3	3	2
Minimum	2190	2060	0.022	0.025	0.050	0.050	0.1	0.155	5	13.0
Maximum	3000	3000	0.60	0.60	0.05	0.05	0.694	0.712	11.4	13.4
% of values undetected	0%	0%	0%	0%	100%	100%	67%	67%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	27.27	26.89
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK12										
Sample Date										
10/07/06	3150	3210	0.081	0.055	**0.050**	**0.050**	**0.250**	**0.250**	38.0	33.6
05/26/07	2790	3020	0.065	0.069	**0.050**	**0.050**	**0.155**	**0.155**	19.4	19.6
05/27/07										
Mean	2970	3120	0.073	0.062	0.050	0.050	0.20	0.20	29.0	26.6
Median	2970	3120	0.073	0.062	0.050	0.050	0.20	0.20	29.0	26.6
St. Deviation	250	130	0.011	0.010	0	0	0.070	0.070	13.0	9.90
# of values	2	2	2	2	2	2	2	2	2	2
Minimum	2790	3020	0.065	0.055	0.050	0.050	0.155	0.155	19.4	19.6
Maximum	3150	3210	0.081	0.069	0.050	0.050	0.250	0.250	38.0	33.6
% of values undetected	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	35.59	35.09
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK13																					
Sample Date																					
10/07/06	3.61	3.96	6.51	49.7	193	542.5	0.15	25.2	160	115	**0.300**	36.8	**3.10**	0.165	**0.0155**	0.155	**0.00155**		1.10	0.24	59.3
05/27/07	3.32	1.22	10.51	74.9	128	510	0.12	48.5	130	93	**0.163**	**1.57**	22.5	0.403			**0.00155**		0.723	**0.0720**	35.6
10/21/07	3.4	2.1	7.04	51.1	236	470.4	0.07	39	241	170	**2.5**	52.0	**1**	0.370			**0.01**		**1.0**	**0.2**	97.1
Mean	3.44	2	8.02	58.6	186	507.6	0.1	37.6	180	126	0.990	30.1	8.9	0.313	0.0155	0.155	0.004	NA	0.900	0.17	64.0
Median	3.40	2.10	7.04	51.1	193	510.0	0.12	39	160	115	0.300	36.8	3.1	0.370	0.0155	0.155	0.002	NA	1.00	0.20	59.3
St. Deviation	0.150	1.00	2.17	14.2	54	36.1	0.000	11.7	60	40	1.31	25.9	11.9	0.129	NA	NA	0.005	NA	0.200	0.090	31.0
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	3	0	3	3	3
Minimum	3.32	1.22	6.51	49.7	128	470.4	0.07	25.2	130	93	0.163	1.57	1	0.165	0.0155	0.155	0.00155	NA	0.723	0.0720	35.6
Maximum	3.61	3.96	10.51	74.9	236	542.5	0.15	48.5	241	170	2.5	52.0	22.5	0.403	0.0155	0.155	0.01	NA	1.10	0.24	97.1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	67%	0%	100%	0%	67%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK15																					
Sample Date																					
10/07/06	3.08	5.64	7.21	57.4	275	480.1	0.43	28.4	270	135	**0.375**	46.0	**1.55**						0.872	0.15	174
05/27/07	3.36	8.33	9.95	84.8	204	415.8	0.12	19.9	190	78	**0.165**	27.8	**1.55**	0.112			**0.00155**		0.969	**0.0640**	45.8
Mean	3.22	7	8.58	71.1	240.0	448.0	0.3	24.2	230	106	0.270	37.0	1.55	0.112	NA	NA	0.002	NA	0.921	0.11	110
Median	3.22	7	8.58	71.1	240.0	448.0	0.3	24.2	230	106	0.270	37.0	1.55	0.112	NA	NA	0.002	NA	0.921	0.11	110
St. Deviation	0.200	2.00	1.94	19.4	50.0	45.5	0.2	6	60	41	0.148	13.0	0	NA	NA	NA	NA	NA	0.069	0.062	91.0
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	1	0	2	2	2
Minimum	3.08	5.64	7.21	57.4	204	415.8	0.12	19.9	190	78	0.165	27.8	1.55	0.112	NA	NA	0.00155	NA	0.872	0.0640	45.8
Maximum	3.36	8.33	9.95	84.8	275	480.1	0.43	28.4	270	135	0.375	46.0	1.55	0.112	NA	NA	0.00155	NA	0.969	0.15	174
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%			100%		0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0		0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%
SRK17																					
Sample Date																					
10/07/06	5.46	5.64	7.58	60.8	90	282.2	0.25	31.6	80	84	**3.00**	**1.57**	**1.55**						1.82	**0.0890**	30.3
05/27/07	5.26	3.24	6.8	51.2	112	125.1	1.01	30.6	220	168	**0.1805**	45.0	**1.55**	0.459			**0.00155**		0.879	0.17	83.3
10/21/07	5.57	2.54	6.64	48.7	112	145.7	0.016	48	123	100	**2.5**	**1**	**10**	**0.09**			**0.005**		**1.2**	**0.05**	43.5
Mean	5.43	4	7.01	53.6	105	184.3	0.4	36.7	140	117	1.90	15.9	4.37	0.270	NA	NA	0.003	NA	1.30	0.10	52.4
Median	5.46	3.24	6.80	51.2	112	145.7	0.25	31.6	123	100	2.50	1.57	1.55	0.270	NA	NA	0.003	NA	1.20	0.089	43.5
St. Deviation	0.160	2	0.500	6.40	13	85.4	0.5	9.8	70	45	1.50	25.2	4.88	0.260	NA	NA	0.002	NA	0.480	0.059	27.6
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	2	0	3	3	3
Minimum	5.26	2.54	6.64	48.7	90	125.1	0.016	30.6	80	84	0.1805	1	1.55	0.09	NA	NA	0.00155	NA	0.879	0.05	30.3
Maximum	5.57	5.64	7.58	60.8	112	282.2	1.01	48	220	168	3.00	45.0	10	0.459	NA	NA	0.005	NA	1.82	0.17	83.3
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	67%	100%	0%			100%		0%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	1			0		1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	NA	NA	0%	NA	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK13																									
Sample Date																									
10/07/06	**0.00075**	**0.00075**			**0.0155**	3940	3790	**0.0075**	**0.0075**	**0.155**	**0.155**	16.5	17.0	0.0954	0.112	**0.0150**	**0.0075**	**1.25**	**1.25**	**0.0185**	0.05	5580	5710	**0.050**	0.248
05/27/07	**0.00075**	**0.00075**			**0.0155**	27	12	**0.0075**	R	**0.155**	**0.155**	2.66		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	14400	14600	0.23	**0.050**
10/21/07	**0.0025**	**0.0025**			**0.15**	7370	7100	**0.2**	**0.2**	**0.25**	**0.25**	17.3	18.6	**0.2**	**0.1**	**20**	**20**	**2.5**	2.00	**0.25**	**0.25**	7600	8200	**0.25**	**0.25**
Mean	0.0013	0.0013	NA	NA	0.060	3780	3630	0.072	0.1	0.19	0.19	12.2	18.0	0.103	0.0750	6.67	6.67	1.67	1.50	0.09	0.1	9190	9500	0.18	0.18
Median	0.00075	0.00075	NA	NA	0.016	3940	3790	0.0075	0.1	0.16	0.16	16.5	18.0	0.0954	0.100	0.0150	0.00750	1.25	1.25	0.02	0.05	7600	8200	0.23	0.25
St. Deviation	0.0010	0.0010	NA	NA	0.078	3670	3550	0.11	0.1	0.055	0.055	8.20	1.00	0.0940	0.0540	11.5	11.5	0.720	0.430	0.1	0.1	4620	4590	0.11	0.11
# of values	3	3	0	0	3	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	27	12	0.0075	0.0075	0.155	0.155	2.66	17.0	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5580	5710	0.050	0.050
Maximum	0.0025	0.0025	NA	NA	0.15	7370	7100	0.2	0.2	0.25	0.25	17.3	18.6	0.2	0.112	20	20	2.5	2.00	0.25	0.25	14400	14600	0.25	0.25
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	33%	33%	67%	100%	100%	67%	100%	67%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.101	0.098	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	67%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK15																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				3550	3920	**0.0075**	**0.0075**	**0.155**	**0.155**	7.58	9.15	0.152	0.109	**0.0075**	**0.0218**	**1.25**	**1.25**	**0.0440**	**0.0492**	5930		**0.050**	**0.050**
05/27/07	**0.00075**	**0.00075**			**0.0155**	1310	1270	**0.0075**	**0.0250** U	**0.155**	**0.155**	6.00	7.05	**0.0482**	**0.0420**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0346**	**0.0360**	4830	5510	0.42	**0.100**
Mean	0.00075	0.0016	NA	NA	0.016	2430	2600	0.0075	0.02	0.16	0.16	6.80	8.10	0.100	0.0760	0.00750	0.0147	1.25	1.25	0.04	0.04	5380	5510	0.23	0.080
Median	0.00075	0.0016	NA	NA	0.016	2430	2600	0.0075	0.02	0.16	0.16	6.80	8.10	0.100	0.0760	0.00750	0.0147	1.25	1.25	0.04	0.04	5380	5510	0.23	0.080
St. Deviation	0	0.0012	NA	NA	NA	1580	1870	0	0.01	0	0	1.10	1.48	0.0730	0.0470	0	0.0101	0	0	0.007	0.009	780	NA	0.26	0.040
# of values	2	2	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Minimum	0.00075	0.00075	NA	NA	0.0155	1310	1270	0.0075	0.0075	0.155	0.155	6.00	7.05	0.0482	0.0420	0.0075	0.0075	1.25	1.25	0.0346	0.0360	4830	5510	0.050	0.050
Maximum	0.00075	0.0025	NA	NA	0.0155	3550	3920	0.0075	0.0250	0.155	0.155	7.58	9.15	0.152	0.109	0.0075	0.0218	1.25	1.25	0.0440	0.0492	5930	5510	0.42	0.100
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	100%	50%	100%	100%	0%	0%	0%	0%	50%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	2	2	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.083	0.081	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK17																									
Sample Date																									
10/07/06	**0.00075**	**0.0025**				50	49	**0.0075**	**0.0075**	**0.155**	**0.155**	9.34	9.34	**0.0125**	**0.0125**	**0.0075**	**0.0186**	**1.25**	**1.25**	**0.0185**	**0.0185**	9540	10500	**0.050**	**0.050**
05/27/07	**0.00075**	**0.00075**			**0.0155**	6120	5910	**0.0075**	**0.0075**	**0.155**	**0.155**	15.9	18.5	0.135	0.151	**0.0075**	**0.0075**	**1.25**	**1.25**	0.09	0.09	6260	7420	0.46	0.26
10/21/07	**0.0025**	**0.0025**			**0.15**	43	35	**0.2**	**0.2**	**0.25**	**0.25**	12.6	12.6	**0.05**	**0.05**	**20**	**20**	**0.25**	**0.5**	**0.05**	**0.05**	13400	14300	**0.25**	**0.25**
Mean	0.00133	0.0019	NA	NA	0.083	2071	1998	0.072	0.07	0.19	0.19	12.6	13.5	0.0658	0.0712	6.67	6.68	0.920	1.00	0.054	0.05	9730	10700	0.25	0.19
Median	0.00075	0.0025	NA	NA	0.083	50	49	0.0075	0.008	0.16	0.16	12.6	12.6	0.0500	0.0500	0.00750	0.0186	1.25	1.25	0.05	0.05	9540	10500	0.25	0.25
St. Deviation	0.00101	0.0010	NA	NA	0.095	3507	3388	0.11	0.1	0.055	0.055	3.30	4.60	0.0628	0.0716	11.5	11.5	0.580	0.430	0.0376	0.04	3570	3400	0.21	0.12
# of values	3	3	0	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	43	35	0.0075	0.0075	0.155	0.155	9.34	9.34	0.0125	0.0125	0.0075	0.0075	0.25	0.5	0.0185	0.0185	6260	7420	0.050	0.050
Maximum	0.0025	0.0025	NA	NA	0.15	6120	5910	0.2	0.2	0.25	0.25	15.9	18.5	0.135	0.151	20	20	1.25	1.25	0.09	0.09	13400	14300	0.46	0.26
% of values undetected	100%	100%			100%	0%	0%	100%	100%	100%	100%	0%	0%	67%	67%	100%	67%	100%	100%	67%	67%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.06	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.113	0.108	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	33%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK13																									
Sample Date																									
10/07/06	6.66	7.88	52.5	60.2	413	443	0.35	0.20	2740	2620	115	127	**0.000475**		**0.0145**	**0.01**	10	12.2	2160	2370	**0.782**	1.1	12900	**0.0031**	**0.0098**
05/27/07	0.211	0.197	1.5	1.1	40	**11.3**	**0.0155**		3080	3230	0.99	0.85	**0.000169**		0.25	0.27	1.1	1.09	671	713	**0.899**	**0.863**	8120	**0.0031**	**0.0031**
10/21/07	9.6	9.53	70.5	70.1	460	450	**0.05**	**0.05**	4400	4600	161	155	**0.000169**		**0.25**	**0.25**	16	15.4	2400	2600	1.6	1.4	18400	**0.025**	**0.025**
Mean	5.49	5.87	42	44	304	301	0.14	0.12	3410	3480	92	94	0.00027	NA	0.17	0.18	9.0	9.6	1740	1890	1.1	1.1	13100	0.010	0.013
Median	6.66	7.88	53	60	413	443	0.050	0.12	3080	3230	115	127	0.00017	NA	0.25	0.25	10	12	2160	2370	0.90	1.1	12900	0.0031	0.0098
St. Deviation	4.8	4.98	36	37	230	251	0.18	0.10	880	1010	82	82	0.00018	NA	0.14	0.14	7.3	7.5	940	1030	0.44	0.27	5100	0.013	0.011
# of values	3	3	3	3	3	3	3	2	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.211	0.197	1.5	1.1	40	11.3	0.0155	0.05	2740	2620	0.99	0.85	0.000169	NA	0.0145	0.01	1.1	1.09	671	713	0.782	0.863	8120	0.0031	0.0031
Maximum	9.6	9.53	70.5	70.1	460	450	0.35	0.20	4400	4600	161	155	0.000475	NA	0.25	0.27	16	15.4	2400	2600	1.6	1.4	18400	0.025	0.025
% of values undetected	0%	0%	0%	0%	0%	0%	67%	50%	0%	0%	0%	0%	100%		67%	67%	0%	0%	0%	0%	0%	0%	0%	100%	67%
# of values between MDL and PQL	0	0	0	0	0	1	0	0	0	0	0	0	0		0	0	0	0	0	0	2	1	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.007	2.887	1000	1000	0.589	0.580	NA	NA	NA	NA	0.012	0.012	NA	NA	17.00	16.95	NA	NA	5	4.6	NA	0.415560766	0.353
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	67%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK15																									
Sample Date																									
10/07/06	9.79	10.3	15.0	15.9	692	724	0.14	0.24	3300	3750	279	297			**0.0145**	**0.0145**	13	13.8	1280	1370	**0.155**	**0.155**	11000	**0.0031**	**0.0031**
05/27/07	2.80	2.67	5.44	5.46	1130	1030	**0.0155**	0.12	1890	2020	75.0	70	**0.00250**		**0.0075**	**0.0250**	4.6	4.4	735	774	**0.155**	**0.155**	6120	**0.0031**	**0.0068**
Mean	6.3	6.50	10	11	911	877	0.076	0.18	2600	2890	177	184	0.0025	NA	0.011	0.020	8.9	9.1	1008	1072	0.16	0.16	8600	0.0031	0.0050
Median	6.3	6.50	10	11	911	877	0.076	0.18	2600	2890	177	184	0.0025	NA	0.011	0.020	8.9	9.1	1008	1072	0.16	0.16	8600	0.0031	0.0050
St. Deviation	4.9	5.40	6.8	7.4	310	216	0.086	0.081	1000	1220	144	160	NA	NA	0.0049	0.0070	6.1	6.7	385	421	0	0	3500	0	0.0026
# of values	2	2	2	2	2	2	2	2	2	2	2	2	1	0	2	2	2	2	2	2	2	2	2	2	2
Minimum	2.80	2.67	5.44	5.46	692	724	0.0155	0.12	1890	2020	75.0	70	0.0025	NA	0.0075	0.0145	4.6	4.4	735	774	0.155	0.155	6120	0.0031	0.0031
Maximum	9.79	10.3	15.0	15.9	1130	1030	0.14	0.24	3300	3750	279	297	0.0025	NA	0.0145	0.0250	13	13.8	1280	1370	0.155	0.155	11000	0.0031	0.0068
% of values undetected	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	100%		100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	50%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.391	2.295	1000	1000	0.419	0.428	NA	NA	NA	NA	0.012	0.012	NA	NA	13.55	13.51	NA	NA	5	4.6	NA	0.261946459	0.223
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	50%	50%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK17																									
Sample Date																									
10/07/06	0.0594	0.0546	0.74	0.67	114	86	0.17	0.15	1880	1910	3.1	2.8			**0.0145**	**0.0145**	0.54	0.48	877	859	**0.155**	**0.155**	7790	**0.0031**	**0.0031**
05/27/07	9.10	9.42	62.5	64.9	453	444	**0.050**		3640	4170	154	160	**0.00250**		**0.0075**	**0.0250**	14	15	2270	2510	1.5	1.42	17300	**0.0031**	**0.0031**
10/21/07	**0.08**	**0.06**	**1.7**	**1.4**	**25**	**25**	**0.05**	**0.05**	2700	2900	**1.5**	**0.7**	**0.000478**		**0.25**	**0.25**	**0.3**	**1**	**400**	**500**	**0.05**	**0.05**	9600	**0.025**	**0.025**
Mean	3.08	3.18	22	22	197	185	0.091	0.10	2740	2990	53	55	0.0015	NA	0.091	0.097	5.0	5.5	1182	1290	0.55	0.54	11560	0.010	0.010
Median	0.08	0.0600	1.7	1.4	114	86	0.050	0.10	2700	2900	3.1	2.8	0.0015	NA	0.015	0.025	0.54	1.0	877	859	0.16	0.16	9600	0.0031	0.0031
St. Deviation	5.214	5.41	35	37	226	226	0.070	0.070	880	1130	88	91	0.0014	NA	0.14	0.13	8.0	8.2	972	1072	0.78	0.76	5050	0.013	0.013
# of values	3	3	3	3	3	3	3	2	3	3	3	3	2	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0594	0.0546	0.74	0.67	25	25	0.050	0.05	1880	1910	1.5	0.7	0.000478	NA	0.0075	0.0145	0.3	0.48	400	500	0.05	0.05	7790	0.0031	0.0031
Maximum	9.10	9.42	62.5	64.9	453	444	0.17	0.15	3640	4170	154	160	0.0025	NA	0.25	0.250	14	15	2270	2510	1.5	1.42	17300	0.025	0.025
% of values undetected	0%	0%	0%	0%	33%	33%	67%	50%	0%	0%	33%	0%	50%		100%	100%	33%	0%	0%	0%	67%	67%	0%	100%	100%
# of values between MDL and PQL	1	1	1	1	0	0	0	0	0	0	0	1	1		0	0	0	1	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.401	3.265	1000	1000	0.708	0.681	NA	NA	NA	NA	0.012	0.012	NA	NA	19.21	19.15	NA	NA	5	4.6	NA	0.532448961	0.453
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	33%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK13										
Sample Date										
10/07/06	2750	2600	0.078		**0.050**	**0.050**	**0.250**	1.2	10.6	
05/27/07	4460	4650	0.030	0.025	**0.050**	**0.050**	**0.155**	**0.155**	**0.50**	
10/21/07	3700	3900	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**1**	18.0	19.0
Mean	3640	3700	0.12	0.14	0.050	0.050	0.17	0.78	10.0	19.0
Median	3700	3900	0.078	0.14	0.050	0.050	0.16	1.0	10.6	19.0
St. Deviation	860	1000	0.12	0.16	0	0	0.080	0.55	9.00	NA
# of values	3	3	3	2	3	3	3	3	3	1
Minimum	2750	2600	0.030	0.025	0.050	0.050	0.1	0.155	0.50	19.0
Maximum	4460	4650	0.25	0.25	0.05	0.05	0.250	1.2	18.0	19.0
% of values undetected	0%	0%	33%	50%	100%	100%	100%	67%	33%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	38.99	38.44
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK15										
Sample Date										
10/07/06	2520	2910	0.088	0.083	**0.050**	**0.050**	**0.250**	**0.250**	14.9	
05/27/07	2420	2560	0.060	0.059	**0.050**	**0.050**	**0.155**	**0.155**	6.41	
Mean	2470	2740	0.074	0.071	0.050	0.050	0.20	0.20	10.7	NA
Median	2470	2740	0.074	0.071	0.050	0.050	0.20	0.20	10.7	NA
St. Deviation	70	250	0.020	0.017	0	0	0.070	0.070	6.00	NA
# of values	2	2	2	2	2	2	2	2	2	0
Minimum	2420	2560	0.060	0.059	0.050	0.050	0.155	0.155	6.41	NA
Maximum	2520	2910	0.088	0.083	0.050	0.050	0.250	0.250	14.9	NA
% of values undetected	0%	0%	0%	0%	100%	100%	100%	100%	0%	
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	31.06	30.63
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA
SRK17										
Sample Date										
10/07/06	3980	4060	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.03	1.69
05/27/07	3310	3810	0.11	0.10	**0.050**	**0.050**	**0.155**	**0.155**	16.7	19.5
10/21/07	4800	5200	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.5**	**1**	**5**
Mean	4030	4360	0.056	0.052	0.050	0.050	0.17	0.30	6.58	8.73
Median	3980	4060	0.050	0.050	0.050	0.050	0.16	0.25	2.03	5.00
St. Deviation	750	740	0.054	0.049	0	0	0.080	0.18	8.78	9.47
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	3310	3810	0.0050	0.0050	0.050	0.050	0.1	0.155	1	1.69
Maximum	4800	5200	0.11	0.10	0.05	0.05	0.250	0.5	16.7	19.5
% of values undetected	0%	0%	67%	67%	100%	100%	100%	100%	33%	33%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	44.05	43.44
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Water Temperature	Field Diss. Oxygen	Field Diss. Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Lab Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+ Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	pH Units	°C	mg/L	%	uS/cm	mV	NTU	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK18																					
Sample Date																					
10/08/06	6.12	4.16	6.24	47.7	98	197.3	0.29	35.8	80	74	**0.410**	**6.50**	29.0	0.323	**0.0155**	0.319	0.117	0.130	0.832	0.10	14.0
05/27/07	5.84	3.69	8.21	62.2	108	196.8	0.29	31.5	90	65	**0.1705**	**1.57**	23.3	0.353			0.130		0.764	**0.0760**	17.5
10/21/07	5.94	2.19	7	52	166	99.6	0.58	48	113	70	24	**1**	30.0	0.180			0.250		**1.1**	**0.1**	23.3
Mean	5.97	3	7.15	54.0	124	164.6	0.4	38.4	94	70	8.19	3.00	27.0	0.285	0.0155	0.319	0.170	0.130	0.899	0.090	18.3
Median	5.94	3.69	7.00	52.0	108	196.8	0.29	35.8	90	70	0.410	1.57	29.0	0.323	0.0155	0.319	0.130	0.130	0.832	0.10	17.5
St. Deviation	0.140	1	0.990	7.40	37	56.3	0.2	8.6	17	4	13.7	3.00	4.0	0.092	NA	NA	0.070	NA	0.178	0.010	4.70
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	3	1	3	3	3
Minimum	5.84	2.19	6.24	47.7	98	99.6	0.29	31.5	80	65	0.1705	1	23.3	0.180	0.0155	0.319	0.117	0.130	0.764	0.0760	14.0
Maximum	6.12	4.16	8.21	62.2	166	197.3	0.58	48	113	74	24	6.50	30.0	0.353	0.0155	0.319	0.250	0.130	1.1	0.10	23.3
Lowest fifth percentile	6	2	6	48	99	109	0	32	81	66	0	1	24	0	0	0	0	0	1	0	14
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK19																					
Sample Date																					
10/08/06	6.48	5.58	5.19	41.2	122	224.2	0.46	49.4	110	89	1.42	**5.25**	37.0	**0.0415**	**0.0155**	**0.0400**	0.068		1.33	0.11	20.6
05/27/07	6.38	11.1	8.31	75.7	145	153	0.28	57.2	140	99	7.33	**1.57**	36.6	**0.0745**			0.113		0.563	**0.0860**	31.1
10/21/07	5.81	2.86	7.78	60.1	149	99.7	0.16	55	135	90	**10**	**1**	37.0	**0.03**			**0.04**		**0.9**	**0.1**	27.3
Mean	6.22	7	7.09	59.0	139	159.0	0.30	53.9	130	93	6.25	2.61	37.0	0.049	0.0155	0.040	0.074	NA	0.931	0.10	26.3
Median	6.38	5.58	7.78	60.1	145	153.0	0.28	55	135	90	7.33	1.57	37.0	0.042	0.0155	0.040	0.068	NA	0.900	0.10	27.3
St. Deviation	0.360	4.00	1.67	17.3	15	62.0	0.2	4	20	6	4.39	2.31	0.0	0.023	NA	NA	0.037	NA	0.384	0.010	5.30
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	3	0	3	3	3
Minimum	5.81	2.86	5.19	41.2	122	99.7	0.16	49.4	110	89	1.42	1	36.6	0.03	0.0155	0.040	0.04	NA	0.563	0.0860	20.6
Maximum	6.48	11.1	8.31	75.7	149	224.2	0.46	57.2	140	99	10	5.25	37.0	0.0745	0.0155	0.040	0.113	NA	1.33	0.11	31.1
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	1	1	0	1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRKST6																					
Sample Date																					
10/08/06	4.05	5.59	7.55	60.3	117	401.9	1.09	19.4	105	81	1.45	21.8	**3.10**	**0.0555**	**0.0155**	**0.0540**	**0.00155**	**0.05** J	1.09	0.32	44.8
05/27/07								26.7	145	99	1.04	26.0	**1.55**	0.130			0.016		0.695	0.27	57.2
10/21/07	3.38	0.03	8.56	58.7	0.244	472.1	0.16	45	234	150	**2.5**	50.0	**1**	0.180			**0.005**		**1.2**	**0.4**	96.9
Mean	3.72	2.8	8.06	59.5	58.6	437.0	1	30.4	161	110	1.66	33.0	1.9	0.120	0.0155	0.0540	0.008	0.05	1.00	0.33	66.3
Median	3.72	2.8	8.06	59.5	58.6	437.0	1	26.7	145	99	1.45	26.0	1.6	0.130	0.0155	0.0540	0.005	0.05	1.09	0.32	57.2
St. Deviation	0.470	3.9	0.710	1.10	82.6	49.6	1	13.2	66	36	0.750	15.0	1.1	0.060	NA	NA	0.008	NA	0.270	0.066	27.2
# of values	2	2	2	2	2	2	2	3	3	3	3	3	3	3	1	1	3	1	3	3	3
Minimum	3.38	0.03	7.55	58.7	0.244	401.9	0.16	19.4	105	81	1.04	21.8	1	0.0555	0.0155	0.0540	0.00155	0.05	0.695	0.27	44.8
Maximum	4.05	5.59	8.56	60.3	117	472.1	1.09	45	234	150	2.5	50.0	3.10	0.180	0.0155	0.0540	0.016	0.05	1.2	0.4	96.9
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	100%	0%	100%	0%	67%	100%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	>=7	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	>=4	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	TOC (Total Organic Carbon)	DOC (Dissolved Organic Carbon)	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]	
						Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK18																									
Sample Date																									
10/08/06	**0.00075**	**0.00075**			**0.050**	29	23	0.27	0.3	4.7	4.5	3.05	3.34	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9980	9490	**0.050**	0.20
05/27/07	**0.00075**	**0.00075**			**0.0155**	20	13	0.32	0.3	4.5	4.8	3.15		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.54**	**0.0324**	**0.0075**	8430	9450	**0.100**	**0.050**
10/21/07	**0.0025**	**0.0025**			**0.025**	655	9.0	**0.5**	**0.2**	8.0	5.3	8.10	4.50	**0.05**	**0.05**	**20**	**20**	2.2	1.90	**0.05**	**0.05**	13400	13000	0.90	**0.25**
Mean	0.0013	0.0013	NA	NA	0.030	235	15	0.37	0.3	5.7	4.8	4.77	3.90	0.0250	0.0250	6.67	6.67	1.57	1.90	0.03	0.03	10600	10650	0.35	0.17
Median	0.00075	0.00075	NA	NA	0.025	29	13	0.32	0.3	4.7	4.8	3.15	3.90	0.0125	0.0125	0.00750	0.00750	1.25	1.90	0.03	0.02	9980	9490	0.10	0.20
St. Deviation	0.0010	0.0010	NA	NA	0.018	364	7.0	0.12	0.06	2.0	0.43	2.89	0.800	0.0217	0.0217	11.5	11.5	0.550	0.650	0.02	0.02	2540	2040	0.48	0.10
# of values	3	3	0	0	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	20	9.0	0.27	0.2	4.5	4.5	3.05	3.34	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0075	8430	9450	0.050	0.050
Maximum	0.0025	0.0025	NA	NA	0.050	655	23	0.5	0.3	8.0	5.3	8.10	4.50	0.05	0.05	20	20	2.2	2.54	0.05	0.05	13400	13000	0.90	0.25
Lowest fifth percentile	0	0	NA	NA	0	21	9	0	0	4	4	3	3	0	0	0	0	1	1	0	0	8585	9454	0	0
% of values undetected	100%	100%			100%	0%	0%	0%	33%	0%	0%	0%	0%	100%	100%	100%	100%	67%	33%	67%	100%	0%	0%	67%	67%
# of values between MDL and PQL	0	0			0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.99	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.116	0.111	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK19																									
Sample Date																									
10/08/06	**0.00075**	**0.00075**			**0.050**	43	17	**0.0206**	**0.0210** J	**0.155**	**0.155**	11.5	10.6	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	13500	13100	**0.133**	**0.050**
05/27/07	**0.00075**	**0.00075**			**0.0155**	105	5.4	0.078	0.07	0.51	**0.497**	13.3	13.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.63**	**0.0318**	**0.0075**	15300	15900	0.22	**0.050**
10/21/07	**0.0025**	**0.0025**			**0.05**	39	15	**0.2**	**0.2**	**0.25**	**0.25**	12.6	13.4	**0.05**	**0.05**	**20**	**20**	**0.5**		**0.05**	**0.05**	14700	14600	**0.25**	**0.25**
Mean	0.0013	0.0013	NA	NA	0.039	62	12	0.100	0.1	0.31	0.30	12.5	12.4	0.0250	0.0250	6.67	6.67	1.00	1.94	0.03	0.03	14500	14500	0.20	0.12
Median	0.00075	0.00075	NA	NA	0.050	43	15	0.078	0.07	0.25	0.25	12.6	13.1	0.0125	0.0125	0.00750	0.00750	1.25	1.94	0.03	0.02	14700	14600	0.22	0.050
St. Deviation	0.0010	0.0010	NA	NA	0.020	37	6.1	0.092	0.09	0.19	0.18	0.900	1.50	0.0217	0.0217	11.5	11.5	0.430	0.980	0.02	0.02	900	1400	0.060	0.12
# of values	3	3	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	39	5.4	0.0206	0.0210	0.155	0.155	11.5	10.6	0.0125	0.0125	0.0075	0.0075	0.5	1.25	0.0185	0.0075	13500	13100	0.133	0.050
Maximum	0.0025	0.0025	NA	NA	0.05	105	17	0.2	0.2	0.51	0.497	13.3	13.4	0.05	0.05	20	20	1.25	2.63	0.05	0.05	15300	15900	0.25	0.25
% of values undetected	100%	100%			100%	0%	0%	33%	33%	67%	67%	0%	0%	100%	100%	100%	100%	100%	50%	67%	100%	0%	0%	33%	100%
# of values between MDL and PQL	0	0			0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	6.98	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.162	0.152	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRKST6																									
Sample Date																									
10/08/06	**0.00075**	**0.00075**			0.123	2170	2060	**0.0075**	**0.0075**	**0.155**	**0.155**	7.20	7.74	0.155	0.130	**0.0075**	**0.0075**	**1.25**	**1.25**	0.178	0.174	4880	5580	**0.050**	**0.050**
05/27/07	**0.00075**	**0.00075**			**0.0155**	3640	3540	**0.0250**	**0.0075**	**0.155**	**0.155**	11.0	12.6	0.198	0.195	**0.0075**	**0.0075**	**1.25**	**1.25**	0.650	0.659	6400	7300	**0.100**	**0.050**
10/21/07	**0.0025**	**0.0025**			**0.025**	6730	6240	**0.2**	**0.2**	**0.25**	**0.25**	15.1	15.1	**0.3**	**0.3**	**20**	**20**	1.300	2.00	**0.25**	**0.25**	10800	10900	**0.25**	**0.25**
Mean	0.0013	0.0013	NA	NA	0.055	4180	3950	0.078	0.07	0.19	0.19	11.0	11.8	0.218	0.210	6.67	6.67	1.27	1.50	0.4	0.4	7360	7930	0.13	0.12
Median	0.00075	0.00075	NA	NA	0.025	3640	3540	0.025	0.008	0.16	0.16	11.0	12.6	0.198	0.195	0.00750	0.00750	1.25	1.25	0.3	0.3	6400	7300	0.10	0.050
St. Deviation	0.0010	0.0010	NA	NA	0.060	2330	2120	0.11	0.1	0.055	0.055	4.00	3.70	0.0740	0.0900	11.5	11.5	0.0300	0.430	0.3	0.3	3070	2710	0.10	0.12
# of values	3	3	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.00075	0.00075	NA	NA	0.0155	2170	2060	0.0075	0.0075	0.155	0.155	7.20	7.74	0.155	0.130	0.0075	0.0075	1.25	1.25	0.178	0.174	4880	5580	0.050	0.050
Maximum	0.0025	0.0025	NA	NA	0.123	6730	6240	0.2	0.2	0.25	0.25	15.1	15.1	0.3	0.3	20	20	1.300	2.00	0.650	0.659	10800	10900	0.25	0.25
% of values undetected	100%	100%			67%	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	67%	67%	33%	33%	0%	0%	100%	100%
# of values between MDL and PQL	0	0			0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	0.0052	NA	NA	7.09	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.083	0.080	NA	NA	10.98	10.56276
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	NA	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
% of CALC exceedences	0%	0%	NA	NA	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Cobalt		Copper[4]		Iron		Lead[4]		Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK18																									
Sample Date																									
10/08/06	0.0592	0.0482	6.92	5.93	56	37	**0.0472**	**0.0155**	2650	2760	3.6	0.68	**0.00446**		6.9	6.9	0.34	0.34	626	600	**0.461**	**0.522**	6550	**0.0140**	**0.0031**
05/27/07	0.0272	0.0280	5.46	5.02	35	23	0.33		2530	2920	0.46	0.27	**0.00250**		9.9	10	0.40	0.45	530	611	**0.769**	**0.693**	5920	**0.0031**	**0.0031**
10/21/07	0.33	**0.025**	45.2	4.9	550	60	**0.25**	**0.05**	3700	3800	39	**0.25**	0.0082		12	9.4	**1**	**0.9**	**700**	**600**	1.4	0.8	7300	**0.12**	**0.025**
Mean	0.1388	0.0340	19	5.3	214	40	0.21	0.033	2960	3160	14	0.40	0.0050	NA	9.5	8.9	0.58	0.56	620	600	0.88	0.67	6590	0.046	0.010
Median	0.0592	0.0280	6.9	5.0	56	37	0.25	0.033	2650	2920	3.6	0.27	0.0045	NA	9.9	9.4	0.40	0.45	626	600	0.77	0.69	6550	0.014	0.0031
St. Deviation	0.1664	0.0130	23	0.56	291	19	0.15	0.024	640	560	21	0.24	0.0029	NA	2.3	1.8	0.37	0.30	90	10	0.48	0.14	690	0.065	0.013
# of values	3	3	3	3	3	3	3	2	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.0272	0.025	5.46	4.9	35	23	0.0472	0.0155	2530	2760	0.46	0.25	0.00250	NA	6.9	6.9	0.34	0.34	530	600	0.461	0.522	5920	0.0031	0.0031
Maximum	0.33	0.0482	45.2	5.93	550	60	0.33	0.05	3700	3800	39	0.68	0.0082	NA	12	10	1	0.9	700	611	1.4	0.8	7300	0.12	0.025
Lowest fifth percentile	0	0	6	5	37	24	0	0	2542	2776	1	0	0	NA	7	7	0	0	540	600	0	1	5983	0	0
% of values undetected	0%	33%	0%	0%	0%	0%	33%	100%	0%	0%	0%	33%	33%		0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	100%
# of values between MDL and PQL	0	0	0	0	0	0	1	0	0	0	0	0	1		0	0	1	1	1	1	2	2	0	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	3.517	3.376	1000	1000	0.744	0.712	NA	NA	NA	NA	0.012	0.012	NA	NA	19.86	19.80	NA	NA	5	4.6	NA	0.569668385	0.484
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK19																									
Sample Date																									
10/08/06	0.148	0.0408	2.9	2.1	221	46	**0.0358**	**0.0155**	3810	3710	21	0.95	**0.00104**		7.6	6.9	0.51	0.30	811	766	**0.155**	**0.155**	6210	**0.0031**	**0.0031**
05/27/07	0.213	0.0560	1.4	0.59	401	33	**0.050**	**0.050**	4590	4850	14	2.3	**0.00250**		15	15	0.60	0.48	609	653	1.5	1.4	8190	**0.0031**	**0.0031**
10/21/07	**0.06**	**0.05**	**1.7**	**1.3**	70	**10**	**0.05**	**0.05**	4500	4400	**1.5**	**0.25**	**0.000874**		8.8	8.9	**0.3**	**0.9**	**500**	**700**	0.70	0.60	8300	**0.025**	**0.025**
Mean	0.14	0.0490	2.0	1.3	231	30	0.045	0.039	4300	4320	12	1.2	0.0015	NA	10	10	0.47	0.56	640	706	0.80	0.73	7570	0.010	0.010
Median	0.148	0.0500	1.7	1.3	221	33	0.050	0.050	4500	4400	14	0.95	0.0010	NA	8.8	8.9	0.51	0.48	609	700	0.70	0.60	8190	0.0031	0.0031
St. Deviation	0.077	0.00800	0.81	0.77	166	18	0.0080	0.020	430	570	9.7	1.0	0.00089	NA	3.8	4.3	0.16	0.31	158	57	0.69	0.65	1180	0.013	0.013
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	0.06	0.0408	1.4	0.59	70	10	0.0358	0.0155	3810	3710	1.5	0.25	0.000874	NA	7.6	6.9	0.3	0.30	500	653	0.155	0.155	6210	0.0031	0.0031
Maximum	0.213	0.0560	2.9	2.1	401	46	0.05	0.05	4590	4850	21	2.3	0.00250	NA	15	15	0.60	0.9	811	766	1.5	1.4	8300	0.025	0.025
% of values undetected	0%	0%	0%	0%	0%	33%	67%	100%	0%	0%	33%	33%	33%		0%	0%	33%	0%	0%	0%	33%	33%	0%	100%	100%
# of values between MDL and PQL	1	1	1	1	0	0	1	0	0	0	0	0	2		0	0	0	1	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	5.156	4.950	1000	1000	1.315	1.173	NA	NA	NA	NA	0.012	0.012	NA	NA	29.00	28.91	NA	NA	5	4.6	NA	1.230355336	1.046
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRKST6																									
Sample Date																									
10/08/06	11.7	11.8	1140	1130	587	421	**0.0402**	**0.0448**	1750	1780	141	146	**0.00171**		0.057	**0.0145**	7.2	7.4	846	923	**0.155**	**0.155**	6220	0.038	**0.0031**
05/27/07	23.8	23.7	1610	1590	631	507	**0.0155**	0.12	2600	2860	236	228	**0.00250**		**0.0250**	0.056	15.4	15.5	1200	1300	**0.155**	**0.155**	7130	**0.0031**	**0.0031**
10/21/07	27.8	28.3	2540	2570	790	760	**0.25**	**0.25**	4300	4400	334	304	**0.000169**		**0.25**	**0.25**	16.6	17.1	**1600**	**1600**	**0.25**	**0.25**	10300	**0.025**	**0.025**
Mean	21.1	21.3	1760	1760	669	563	0.10	0.14	2900	3010	237	226	0.0015	NA	0.11	0.107	13	13	1200	1300	0.19	0.19	7880	0.022	0.010
Median	23.8	23.7	1610	1590	631	507	0.040	0.12	2600	2860	236	228	0.0017	NA	0.057	0.056	15	16	1200	1300	0.16	0.16	7130	0.025	0.0031
St. Deviation	8.4	8.50	710	740	107	176	0.13	0.10	1300	1320	97	79	0.0012	NA	0.12	0.126	5.1	5.2	400	300	0.055	0.055	2140	0.018	0.013
# of values	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	3	3	3
Minimum	11.7	11.8	1140	1130	587	421	0.0155	0.0448	1750	1780	141	146	0.000169	NA	0.0250	0.0145	7.2	7.4	846	923	0.155	0.155	6220	0.0031	0.0031
Maximum	27.8	28.3	2540	2570	790	760	0.25	0.25	4300	4400	334	304	0.00250	NA	0.25	0.25	16.6	17.1	1600	1600	0.25	0.25	10300	0.038	0.025
% of values undetected	0%	0%	0%	0%	0%	0%	67%	33%	0%	0%	0%	0%	67%		67%	67%	0%	0%	0%	0%	100%	100%	0%	67%	100%
# of values between MDL and PQL	0	0	0	0	0	0	1	1	0	0	0	0	1		0	0	0	0	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	2.371	2.276	1000	1000	0.413	0.424	NA	NA	NA	NA	0.012	0.012	NA	NA	13.44	13.40	NA	NA	5	4.6	NA	0.257638802	0.219
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	50	NA	2	NA	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	67%	67%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK18										
Sample Date										
10/08/06	3250	3390	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.881**	**0.664**	**0.50**	
05/27/07	3340	3820	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.336**	**0.470**	1.60	
10/21/07	4300	4600	**0.25**	**0.05**	**0.05**	**0.05**	**0.5**	**0.5**	**1**	**5**
Mean	3630	3940	0.087	0.020	0.050	0.050	0.57	0.54	1.00	5.00
Median	3340	3820	0.0050	0.0050	0.050	0.050	0.50	0.50	1.00	5.00
St. Deviation	580	610	0.14	0.026	0	0	0.28	0.10	0.600	NA
# of values	3	3	3	3	3	3	3	3	3	1
Minimum	3250	3390	0.0050	0.0050	0.050	0.050	0.336	0.470	0.50	5
Maximum	4300	4600	0.25	0.05	0.05	0.05	0.881	0.664	1.60	5
Lowest fifth percentile	3259	3433	0	0	0	0	0	0	1	5
% of values undetected	0%	0%	100%	100%	100%	100%	33%	33%	67%	100%
# of values between MDL and PQL	0	0	0	0	0	0	2	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	45.54	44.91
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK19										
Sample Date										
10/08/06	3550	3460	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.509**	**0.250**	**0.50**	
05/27/07	4380	4790	**0.0100**	**0.0050**	**0.050**	**0.050**	**0.504**	**0.310**	1.04	
10/21/07	4500	4400	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	**1**	**5**
Mean	4140	4220	0.088	0.087	0.050	0.050	0.37	0.22	0.800	5.00
Median	4380	4400	0.010	0.0050	0.050	0.050	0.50	0.25	1.00	5.00
St. Deviation	520	680	0.14	0.14	0	0	0.24	0.11	0.300	NA
# of values	3	3	3	3	3	3	3	3	3	1
Minimum	3550	3460	0.0050	0.0050	0.050	0.050	0.1	0.1	0.50	5
Maximum	4500	4790	0.25	0.25	0.05	0.05	0.509	0.310	1.04	5
% of values undetected	0%	0%	67%	100%	100%	100%	33%	67%	67%	100%
# of values between MDL and PQL	0	0	1	0	0	0	2	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	66.55	65.62
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRKST6										
Sample Date										
10/08/06	1960	2010	0.10	0.089	**0.050**	**0.050**	**0.565**	**0.250**	28.2	31.1
05/27/07	2390	2650	0.16	0.15	**0.050**	**0.050**	**0.155**	**0.155**	69.7	73.7
10/21/07	3700	3900	**0.25**	**0.25**	**0.05**	**0.05**	**0.1**	**0.1**	76	76
Mean	2680	2850	0.17	0.16	0.050	0.050	0.27	0.17	58.0	60.3
Median	2390	2650	0.16	0.15	0.050	0.050	0.16	0.16	69.7	73.7
St. Deviation	910	960	0.076	0.081	0	0	0.25	0.080	26.0	25.3
# of values	3	3	3	3	3	3	3	3	3	3
Minimum	1960	2010	0.10	0.089	0.050	0.050	0.1	0.1	28.2	31.1
Maximum	3700	3900	0.25	0.25	0.05	0.05	0.565	0.250	76	76
% of values undetected	0%	0%	33%	33%	100%	100%	67%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	30.81	30.38
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Key:
Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

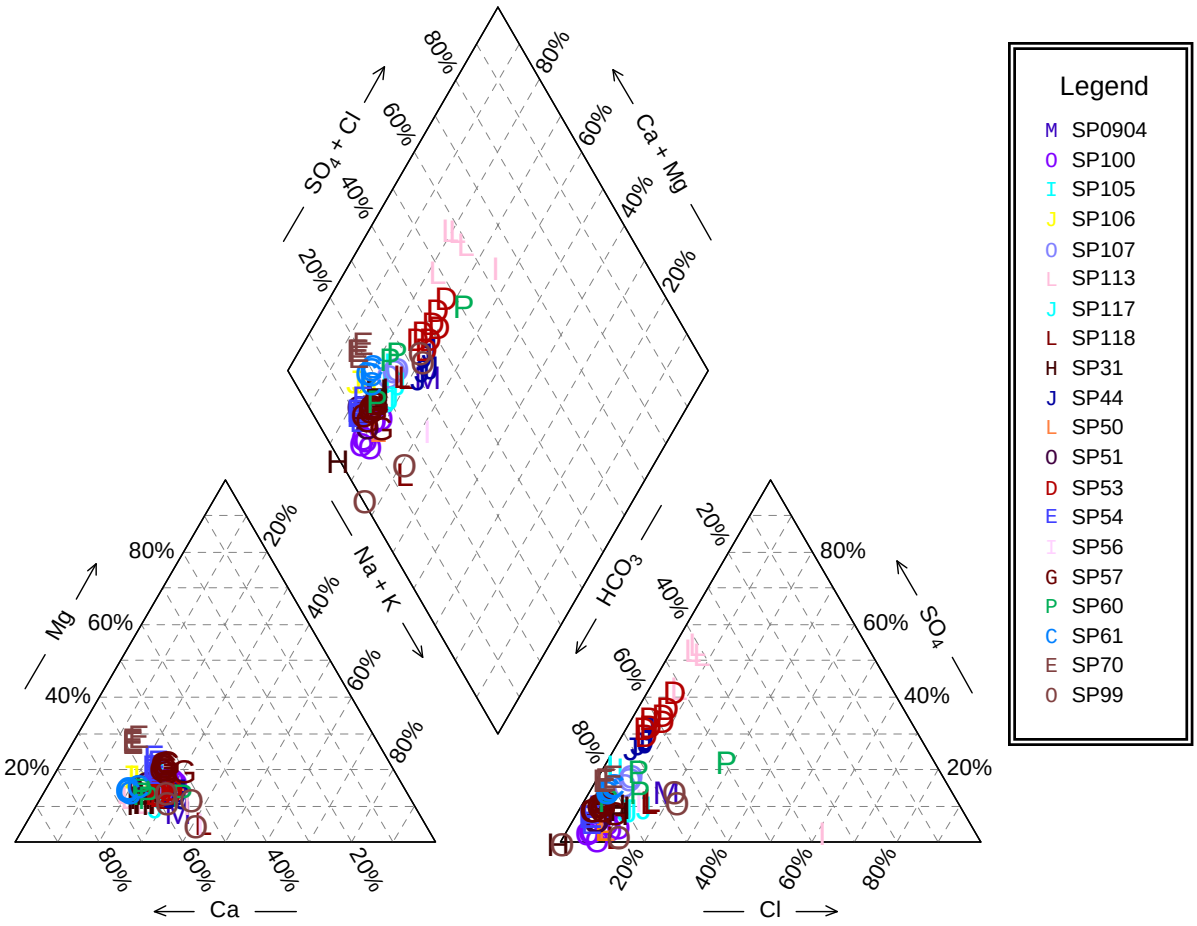
Footnotes:
(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

APPENDIX 9.1J

Piper Plots for Seeps, Mine Study Area
2004-2008

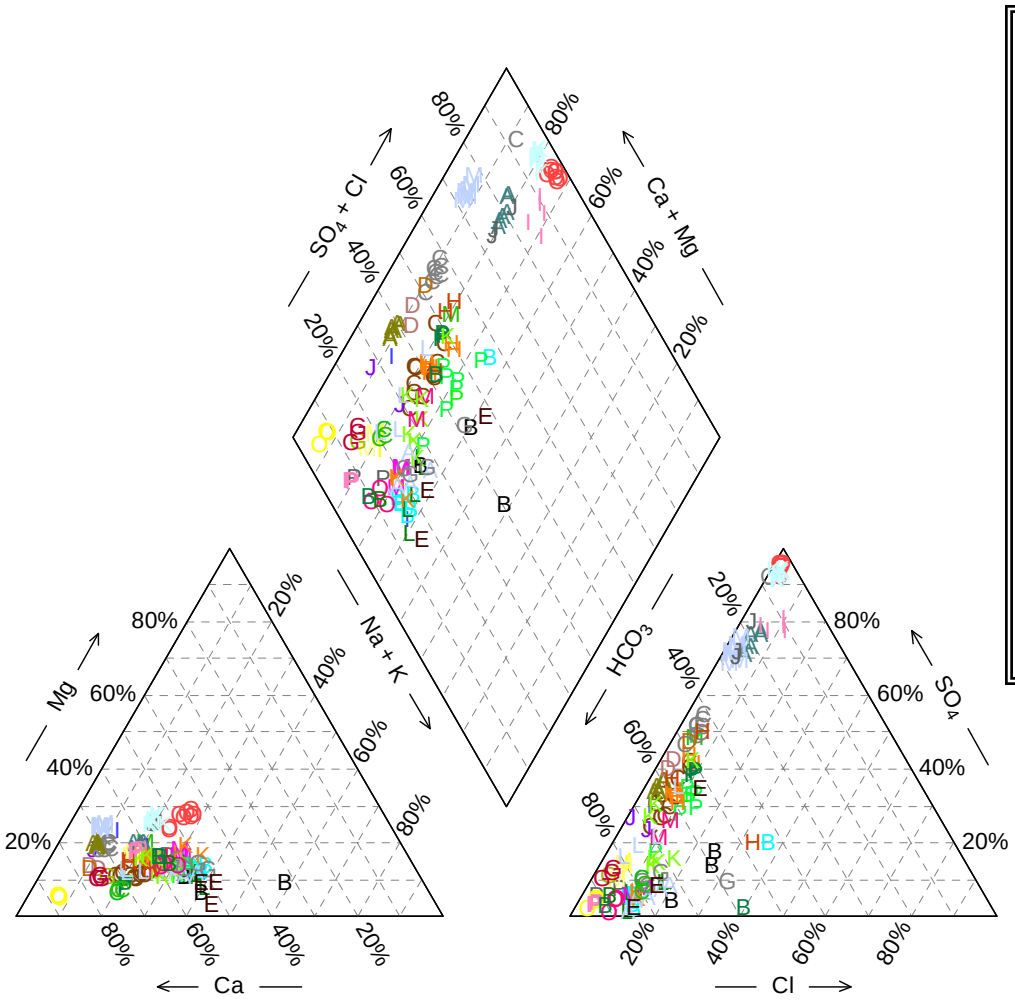
NORTH FORK KOKTULI RIVER

NORTH FORK KOKTULI



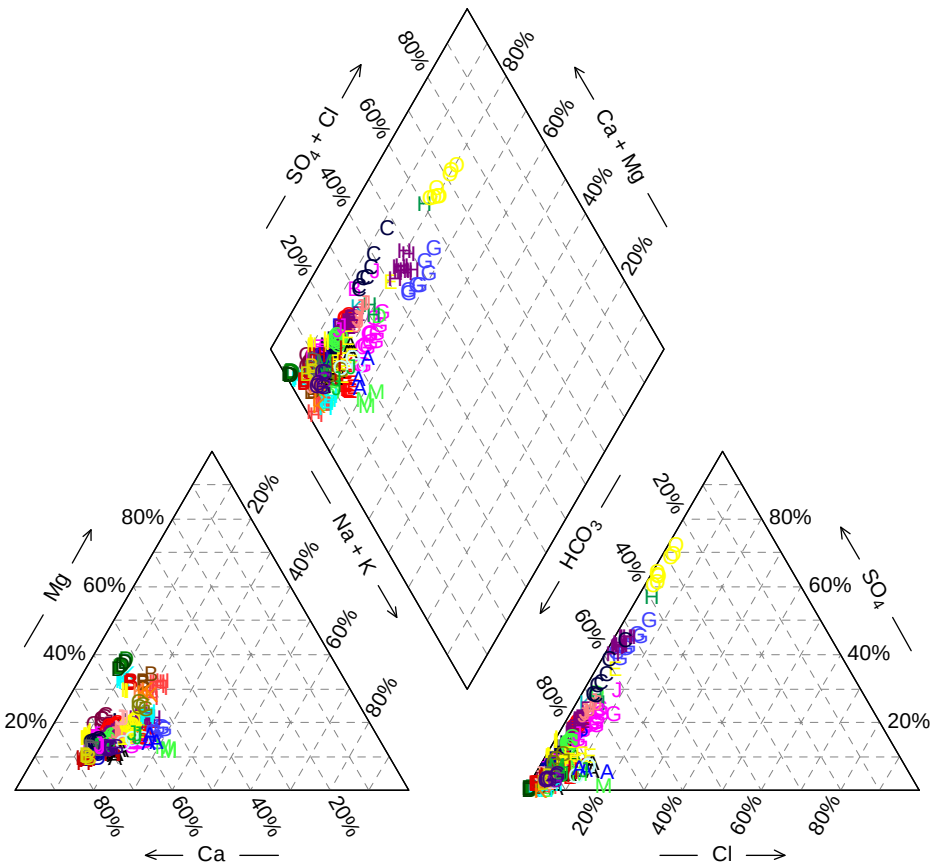
SOUTH FORK KOKTULI RIVER

SOUTH FORK KOKTULI RIVER



UPPER TALARIK CREEK

UPPER TALARIK CREEK

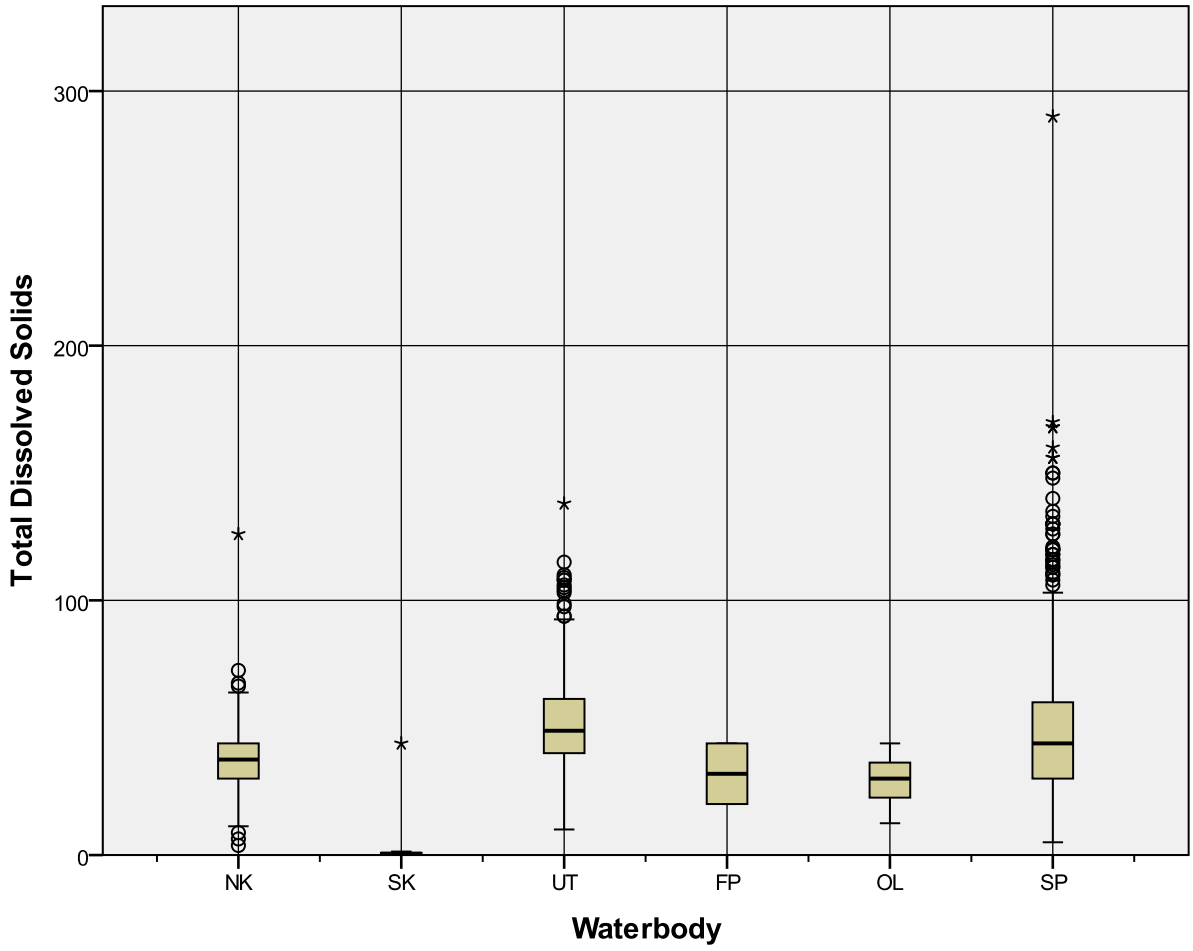


Legend

G	SP0205	O	SP62
D	SP0305	K	SP63
E	SP0405	B	SP64
I	SP0604	J	SP65
H	SP0605	D	SP66
A	SP0705	B	SP67
J	SP0804	H	SP68
C	SP0905	I	SP69
H	SP1005	K	SP71
G	SP108	G	SP72
D	SP109	C	SP73
P	SP110	M	SP74
K	SP1104	I	SP75
E	SP1105	L	SP76
H	SP115	O	SP77
G	SP116	H	SP78
B	SP1205	M	SP79
I	SP1305	D	SP80
C	SP1405	B	SP81
E	SP1705	A	SP82
D	SP1805	J	SP83
O	SP1905	G	SP84
A	SP2005	J	SP89
E	SP2105	P	SP97
J	SP2205	B	SP98
H	SP40	O	SP99

APPENDIX 9.1K

Box and Whisker Plots for Lakes and Seeps, Mine Study Area 2004-2008



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

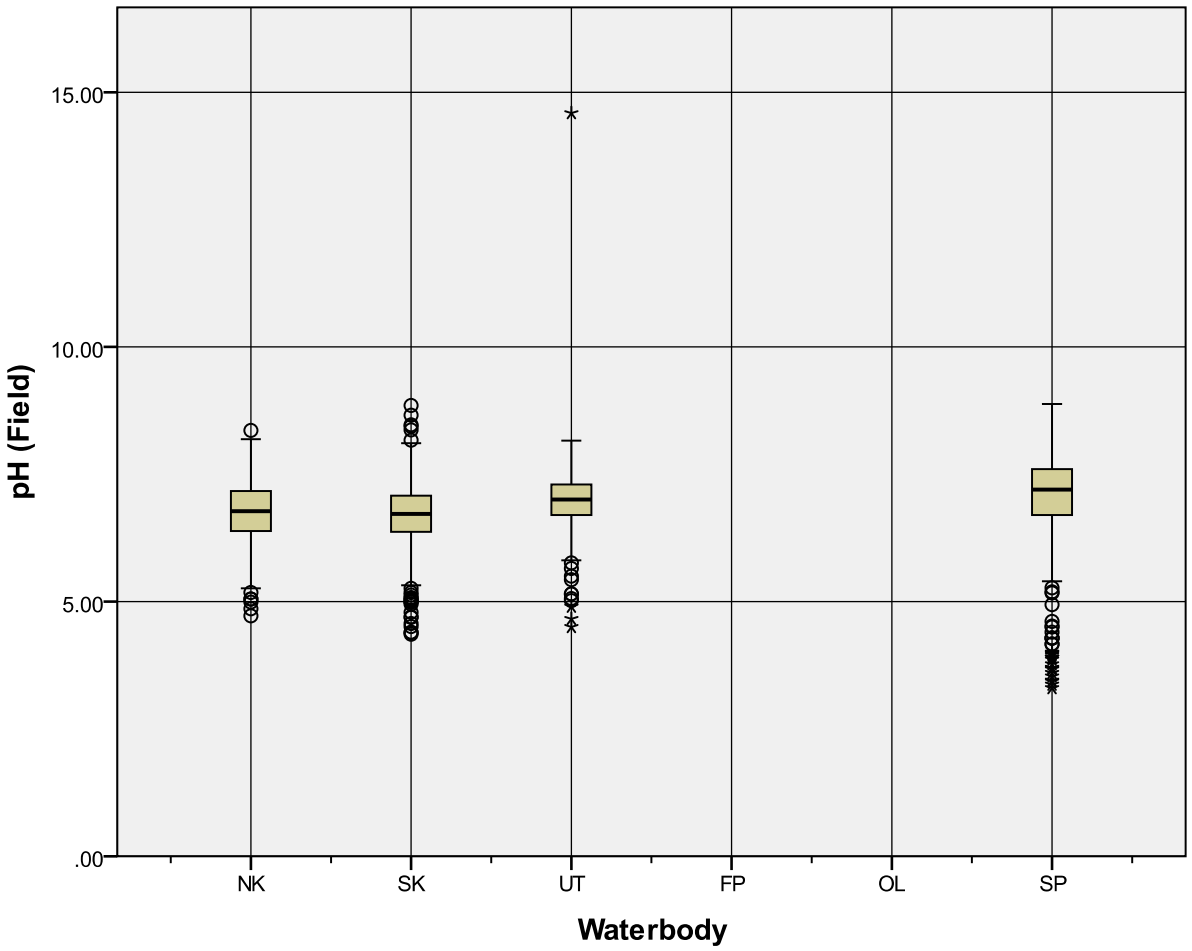
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Values are in standard pH units.

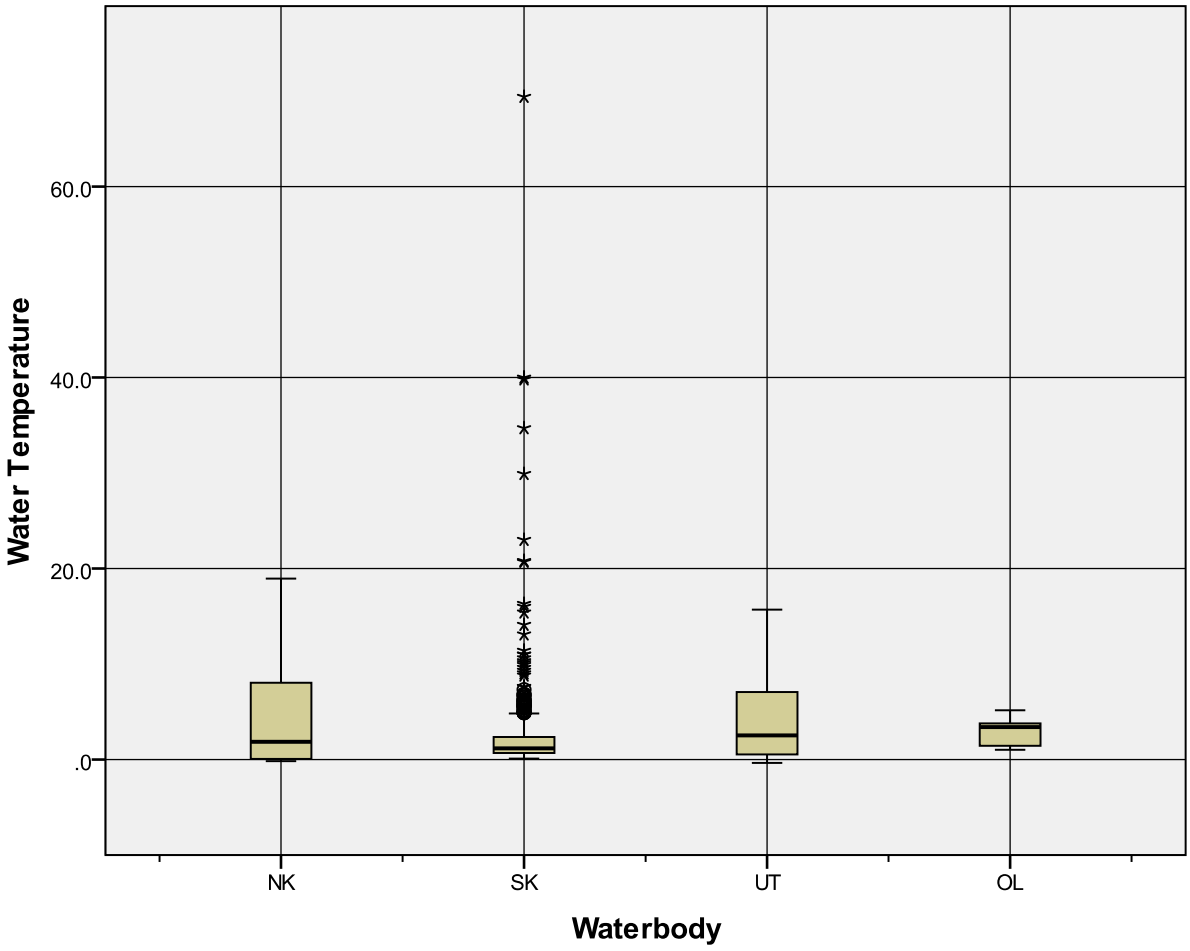
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in degrees Celsius.

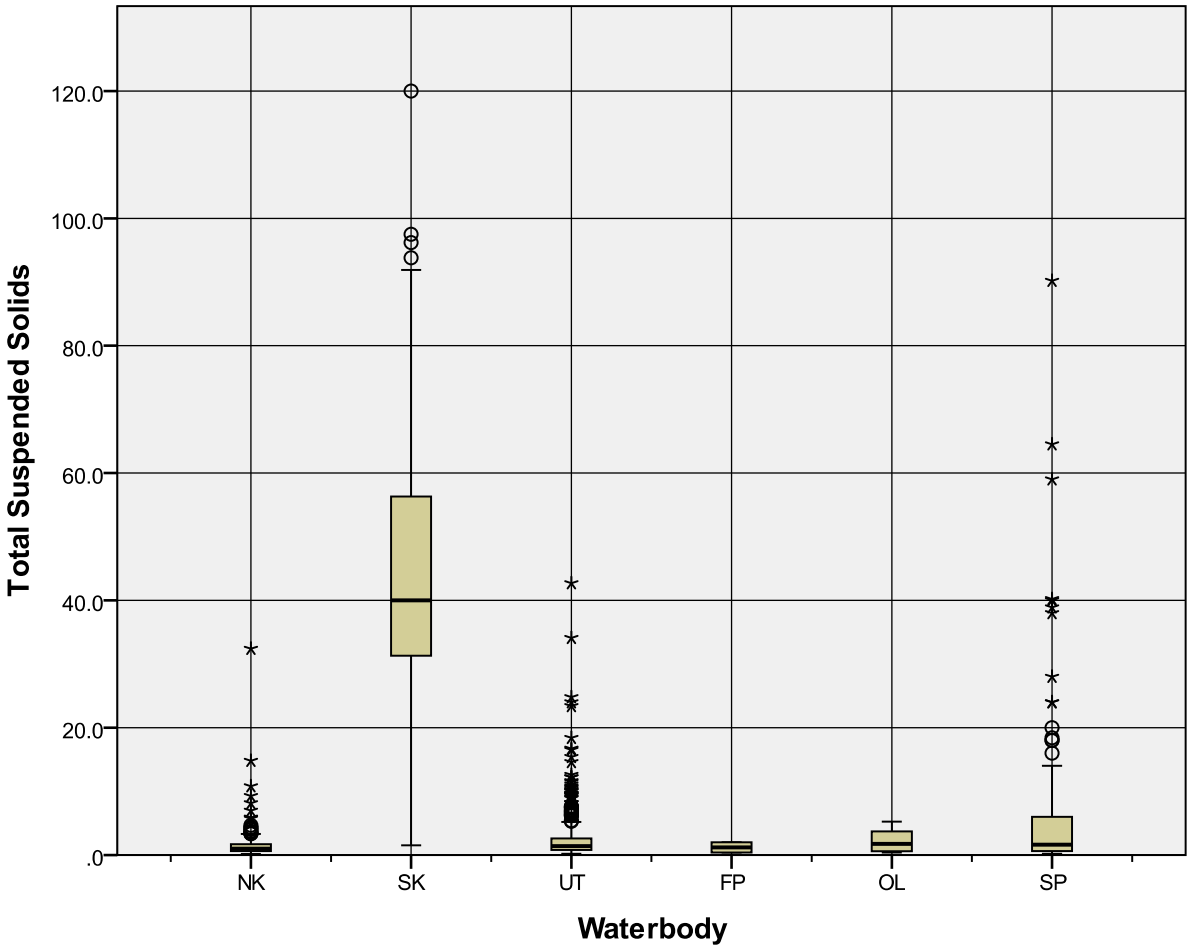
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

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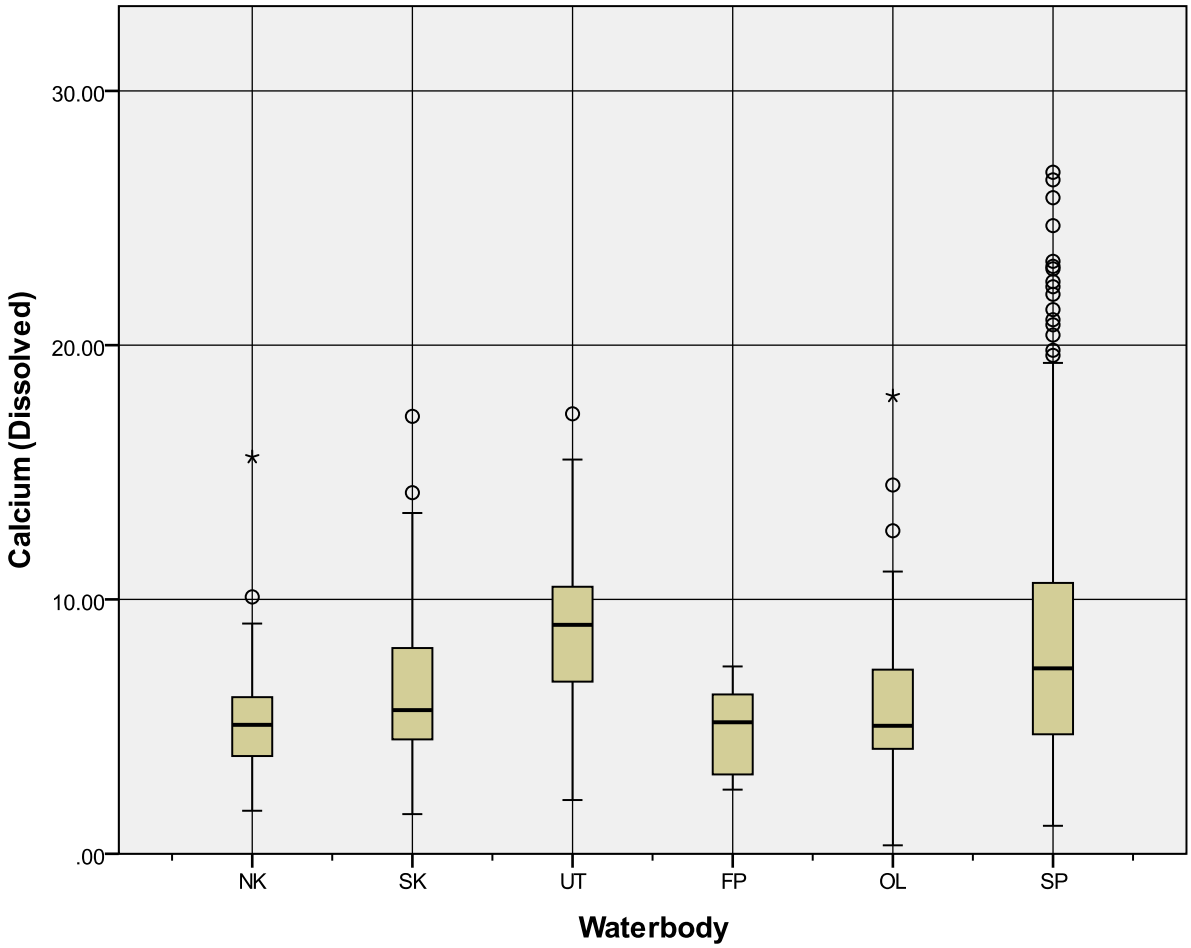
Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

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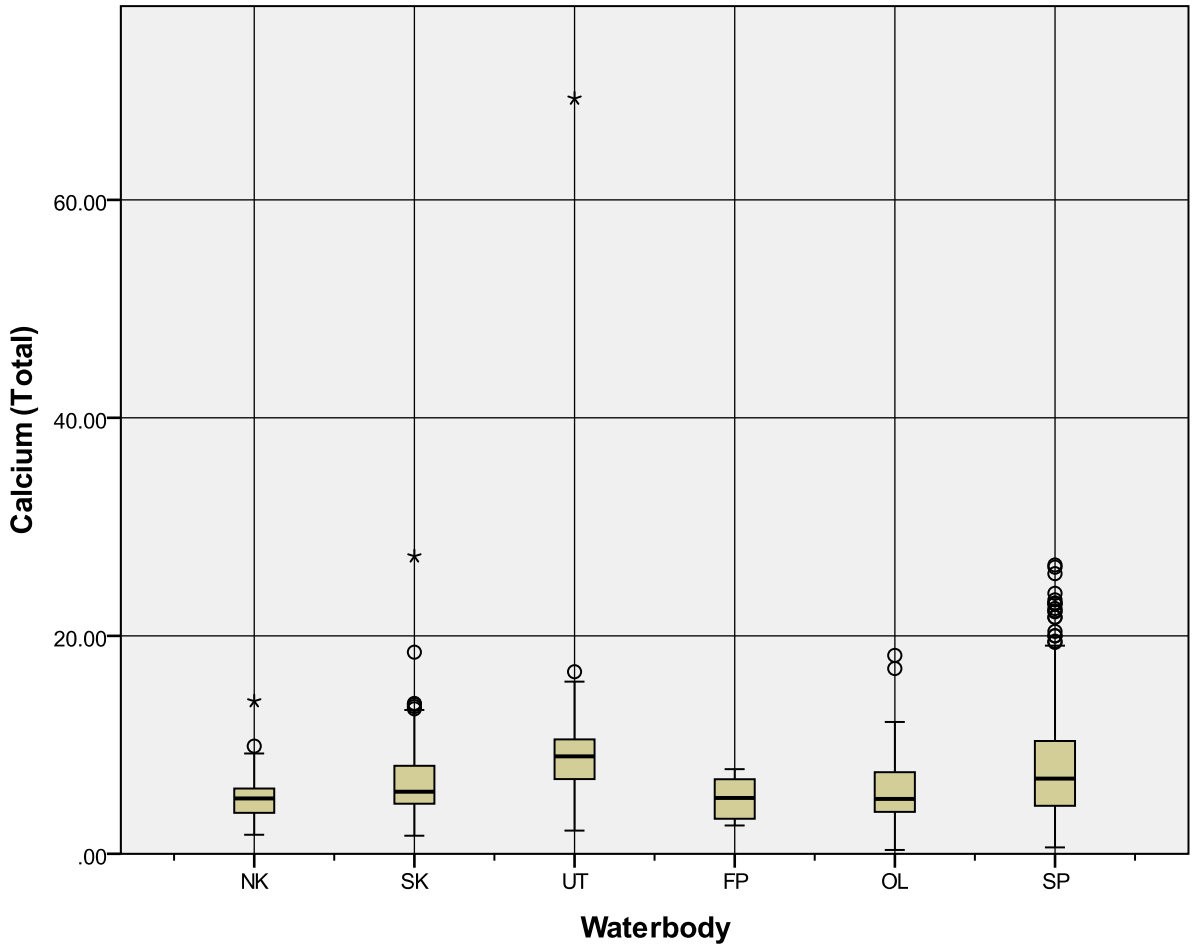
The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

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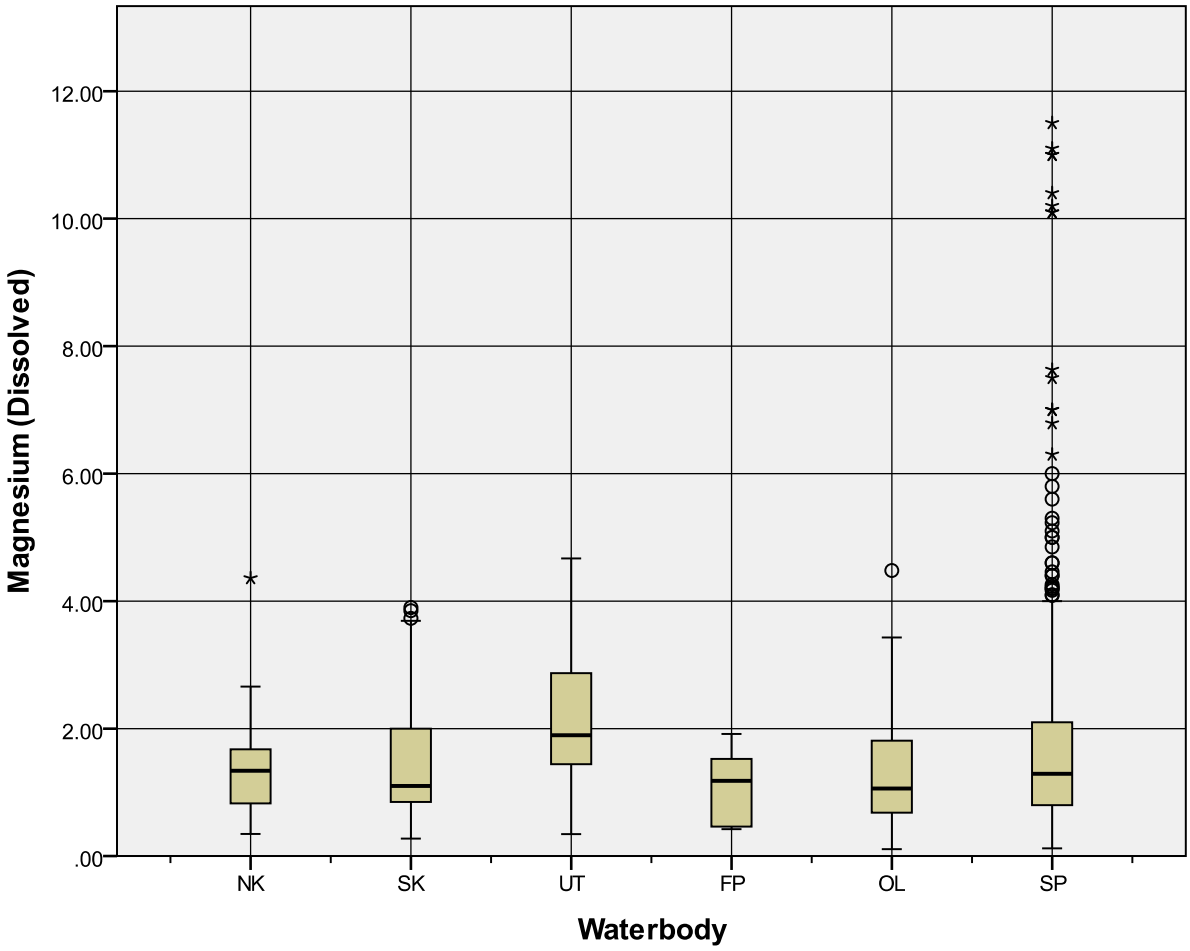

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

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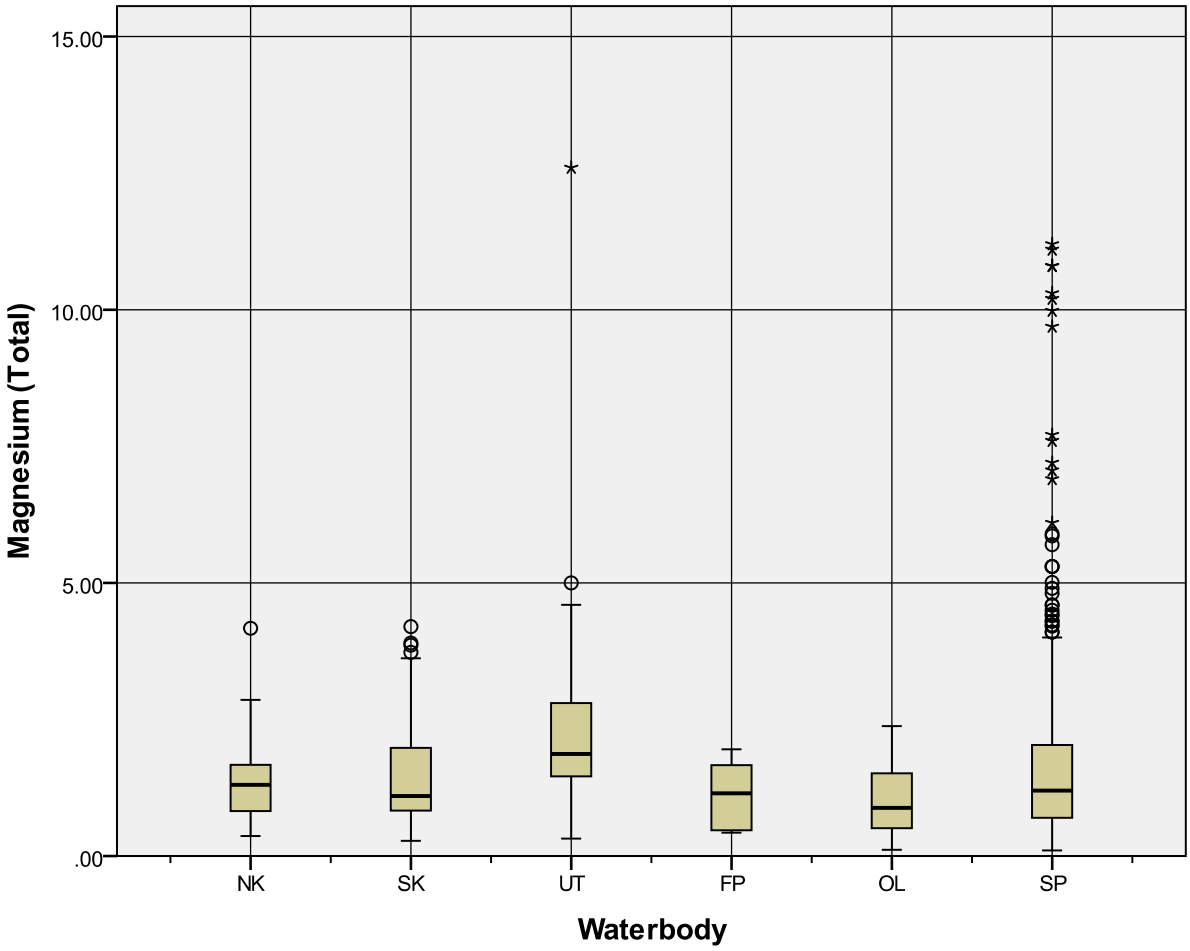
Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

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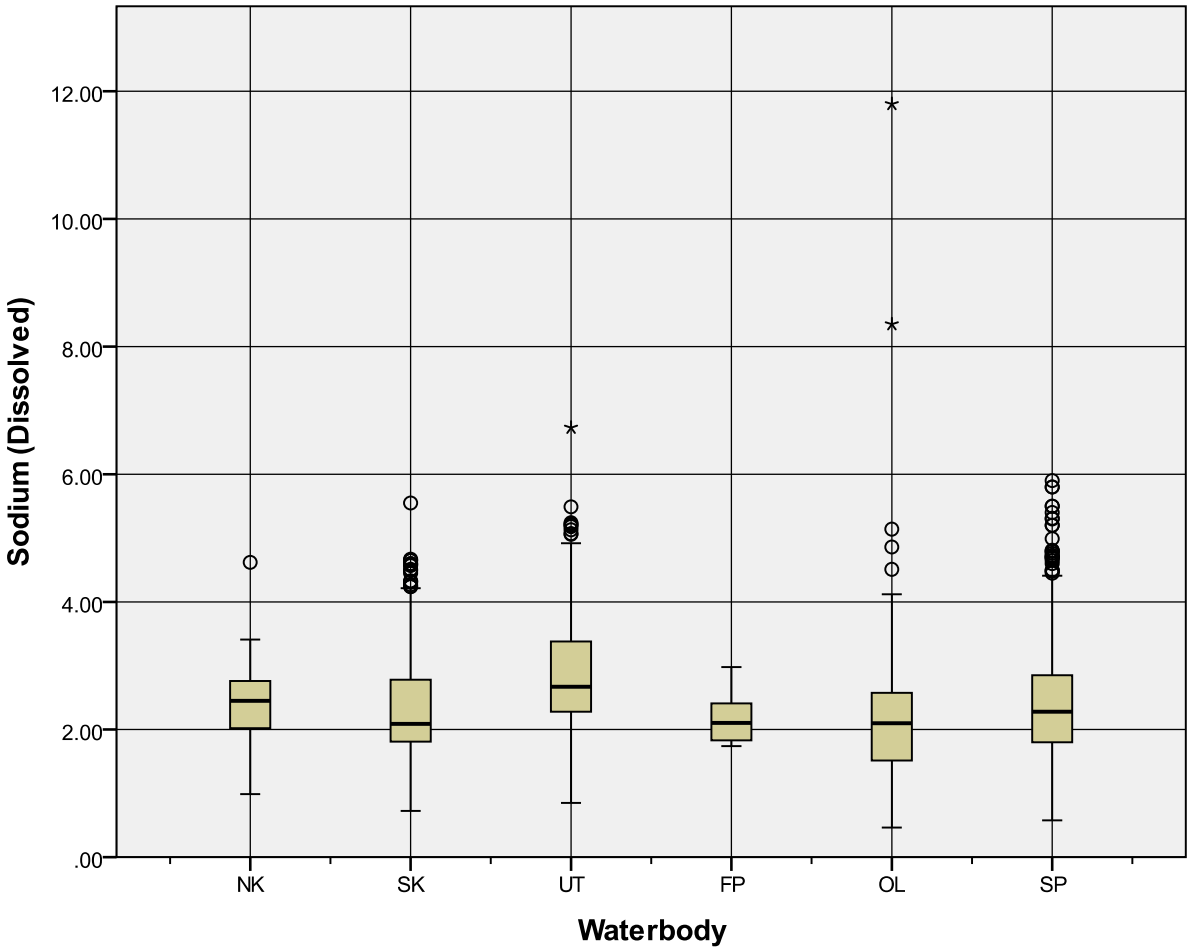
Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

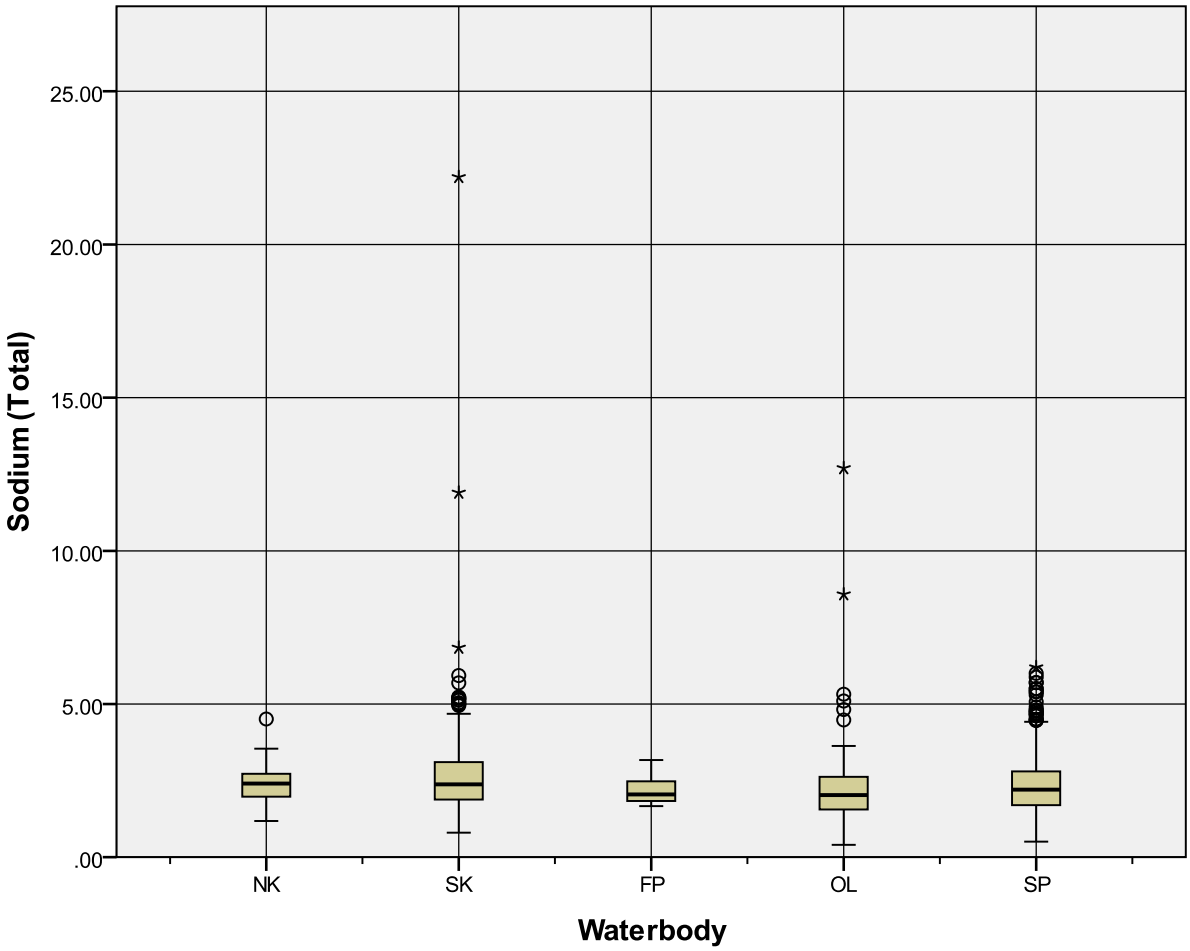
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

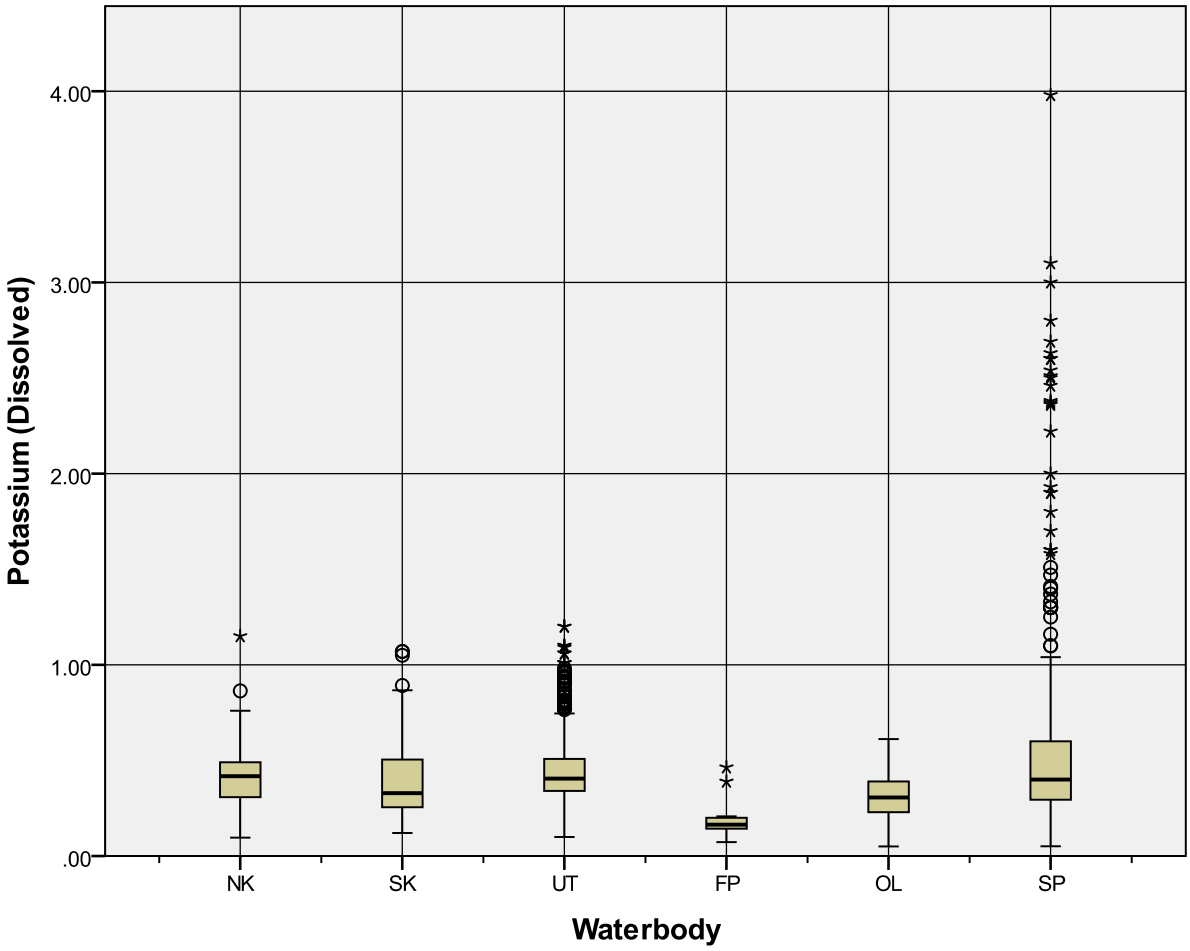
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

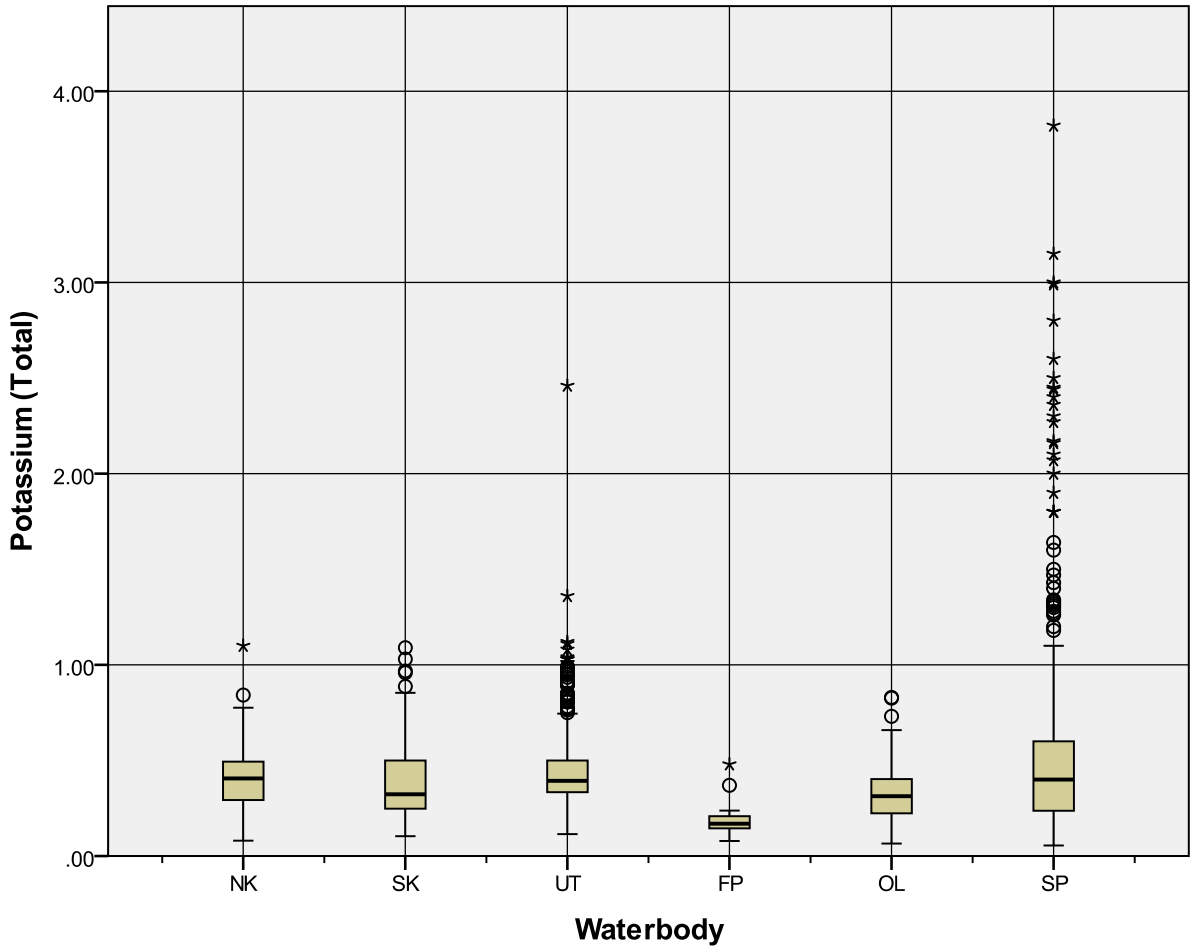
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

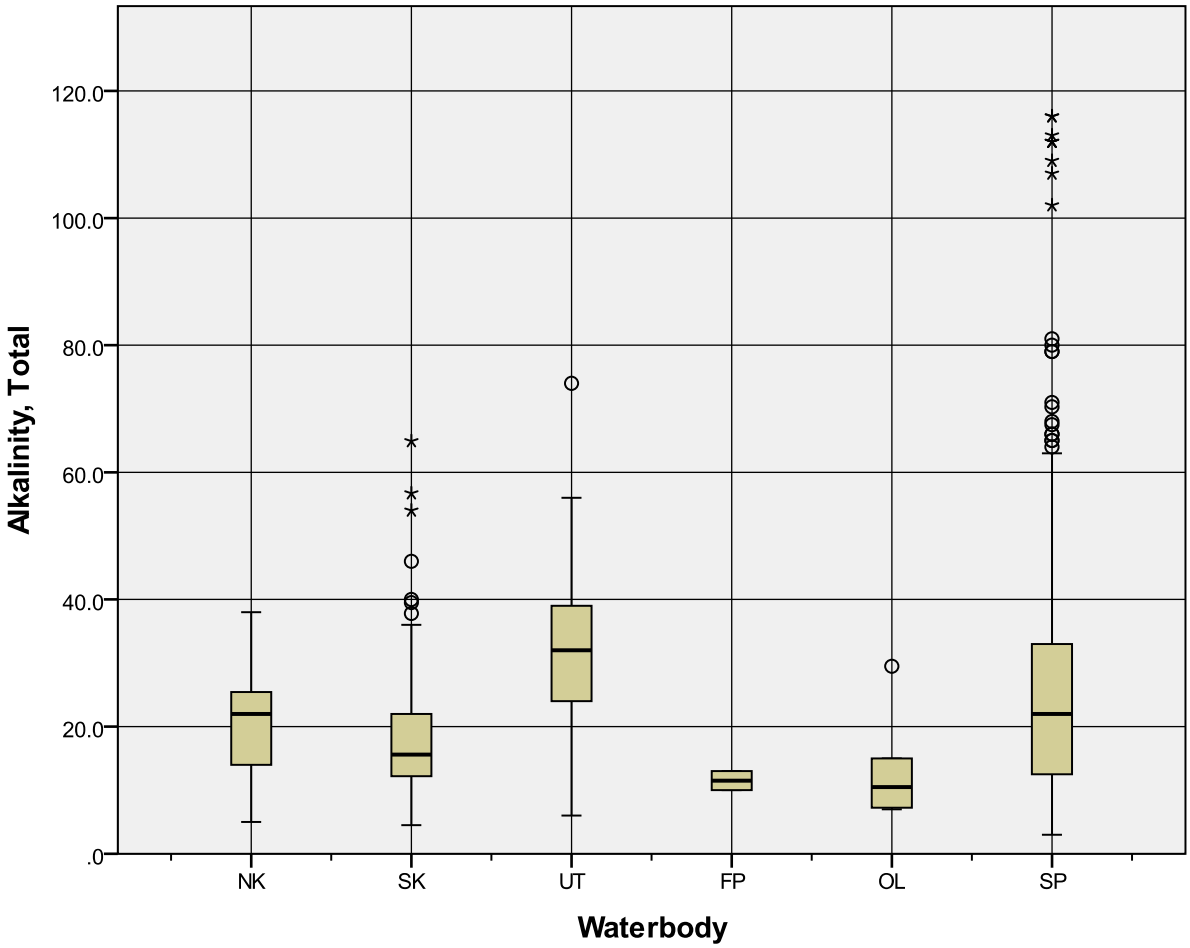
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

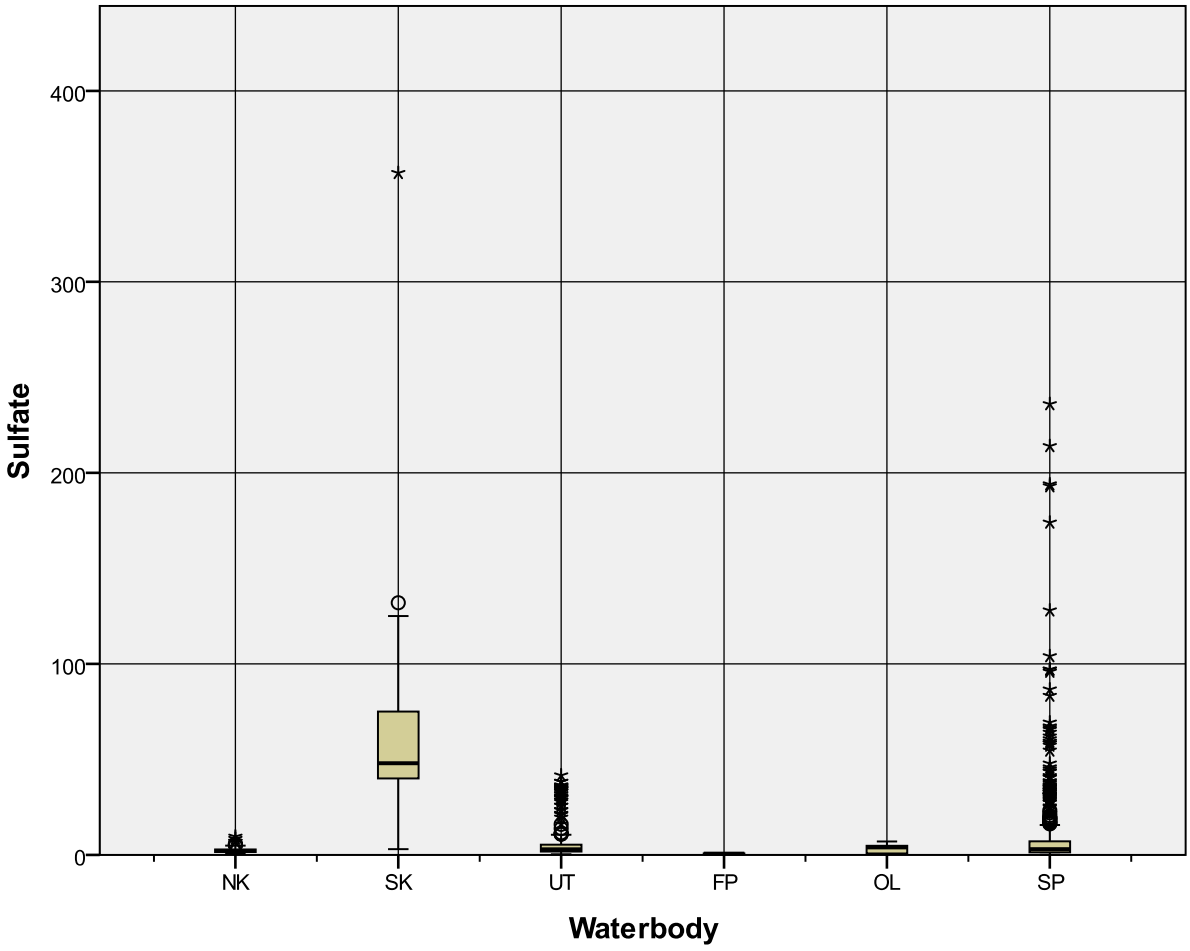
Only detected values are shown.

NK = North Koktuli, SK = South Koktuli, UT = Upper Talarik, FP = Frying Pan Lake, OL = Other Lakes, SP = Seeps.

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.

Outliers are represented by circles, and extreme outliers are represented by asterisks.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

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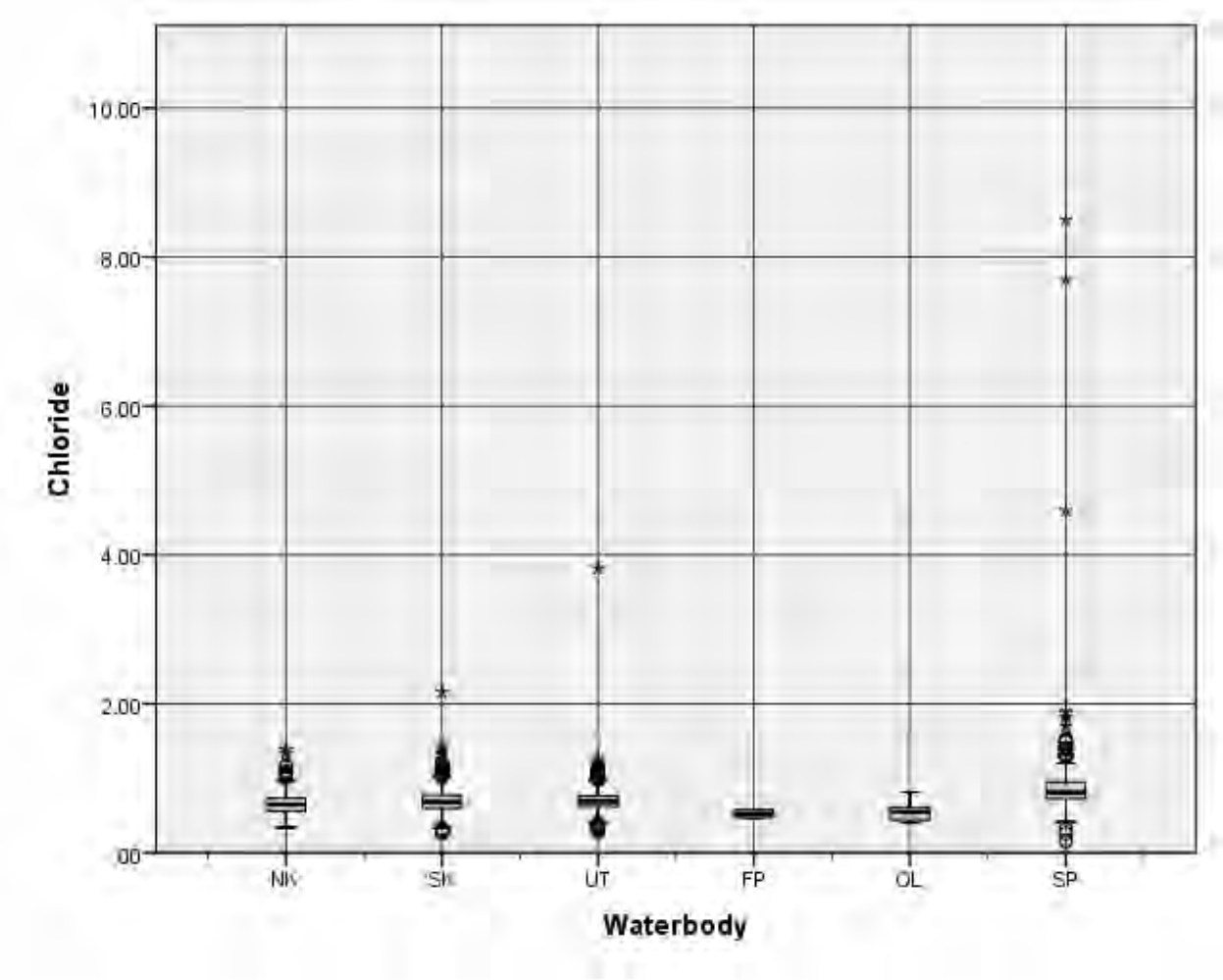

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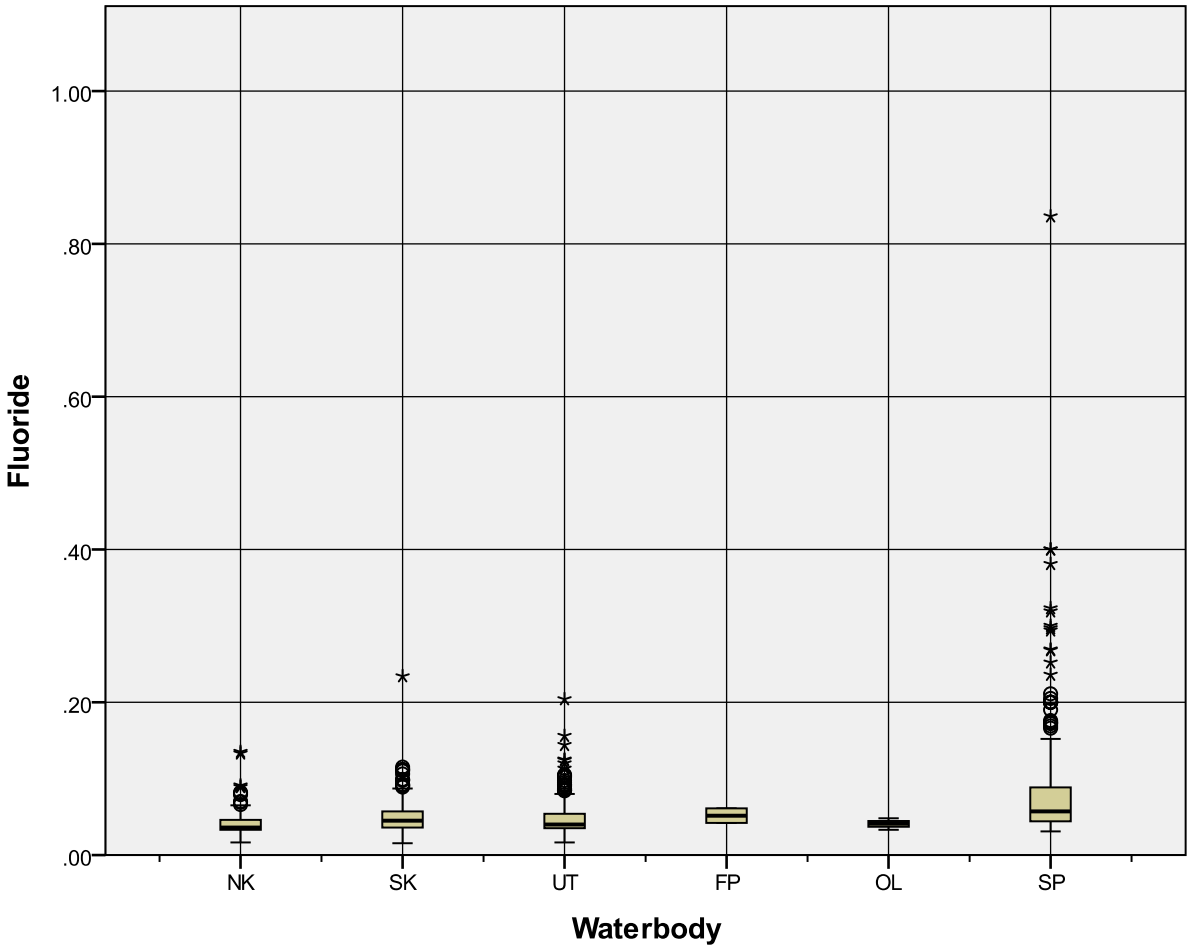

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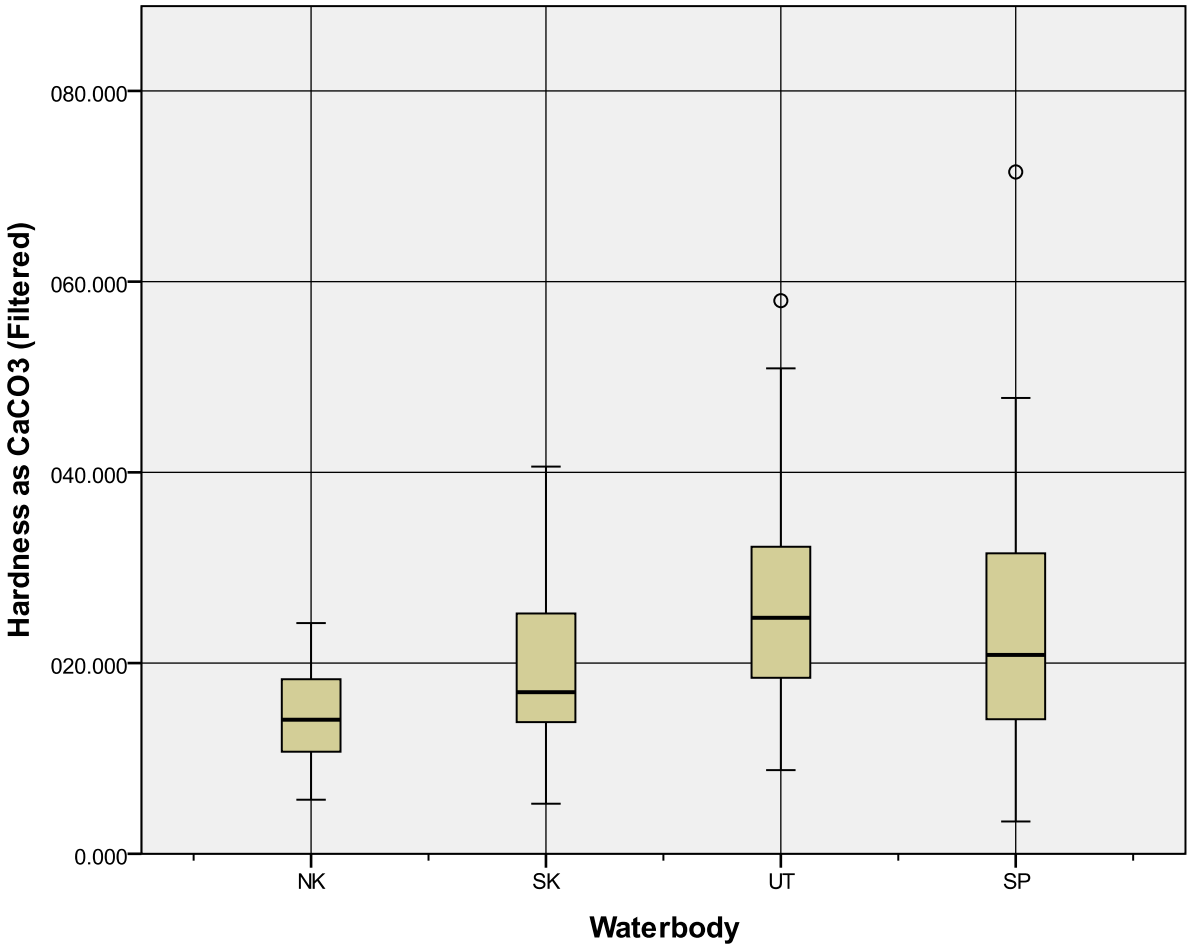

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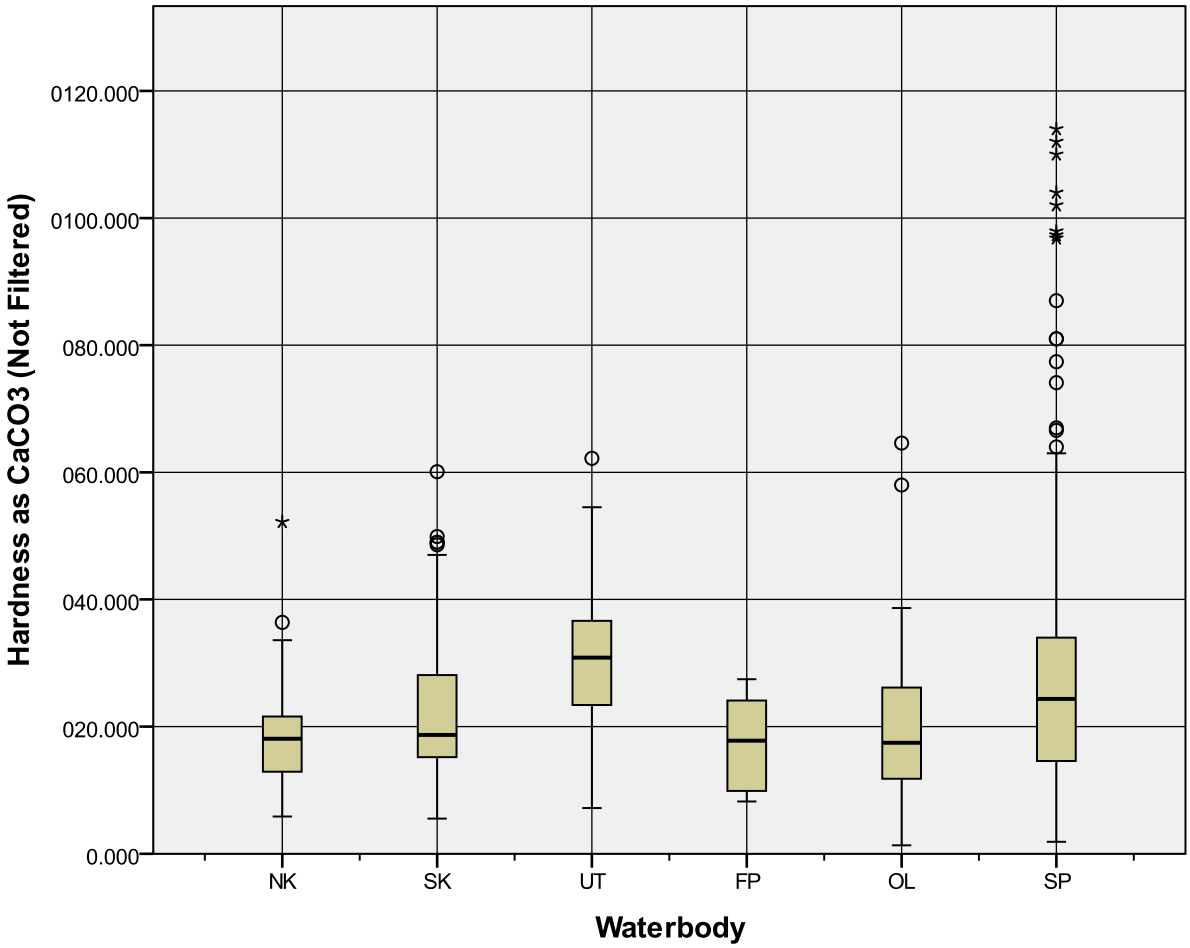

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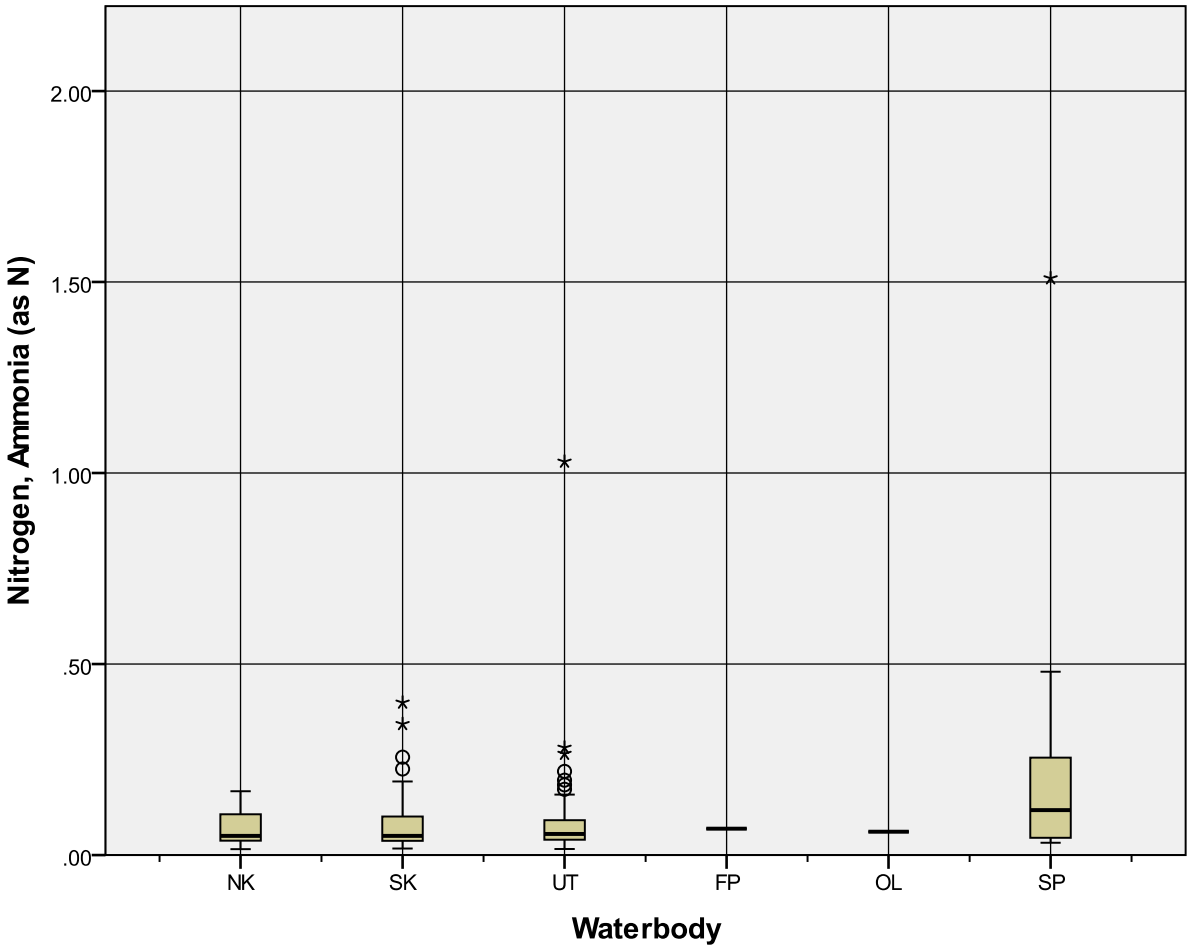

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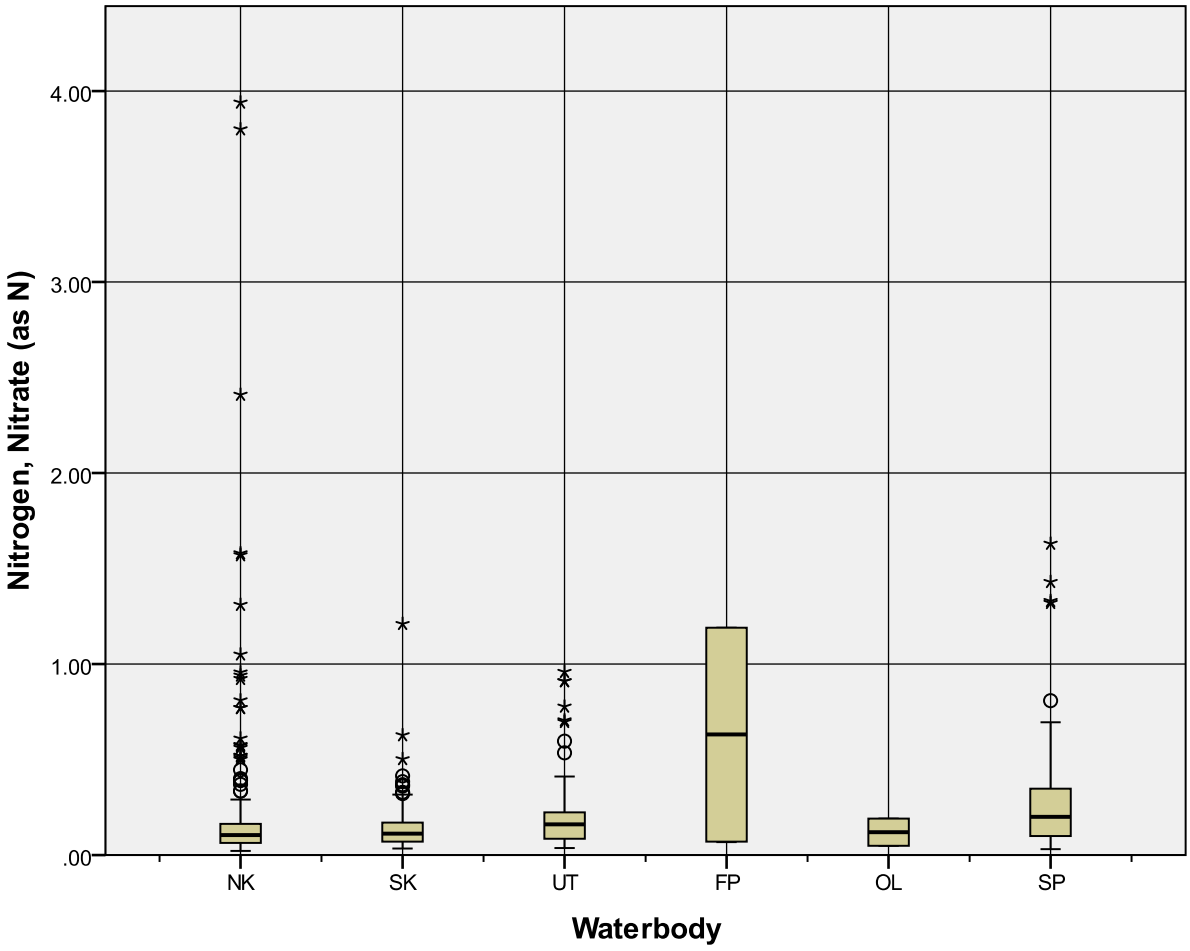

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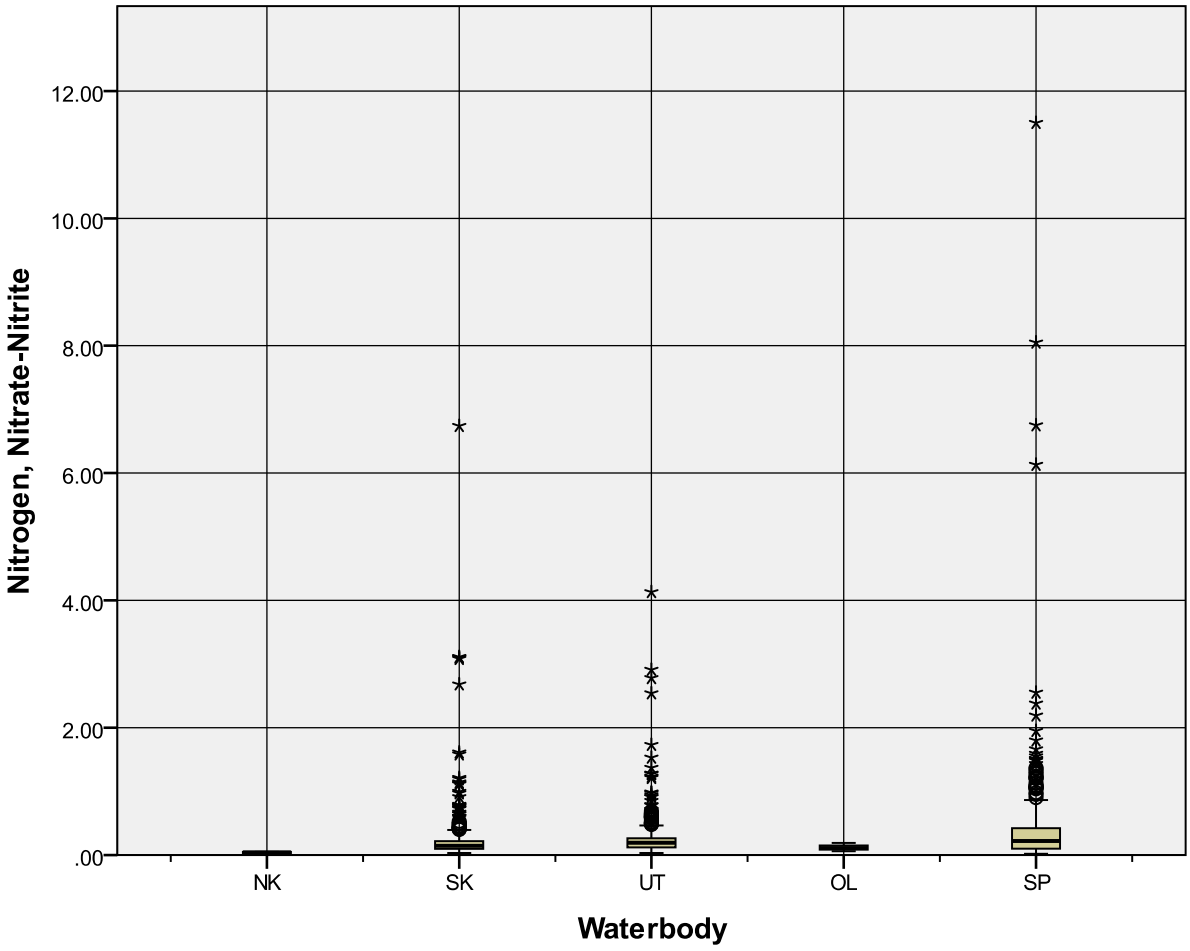

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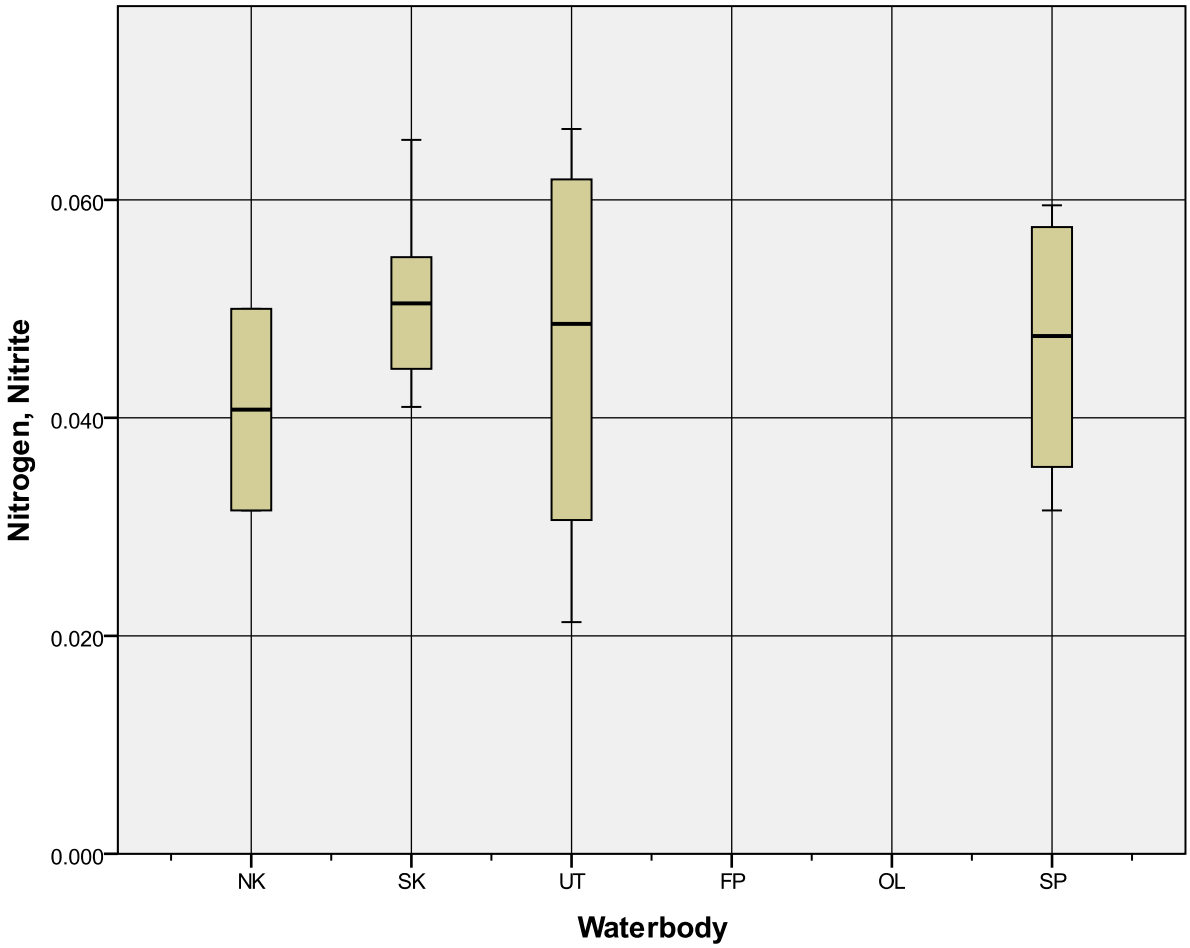

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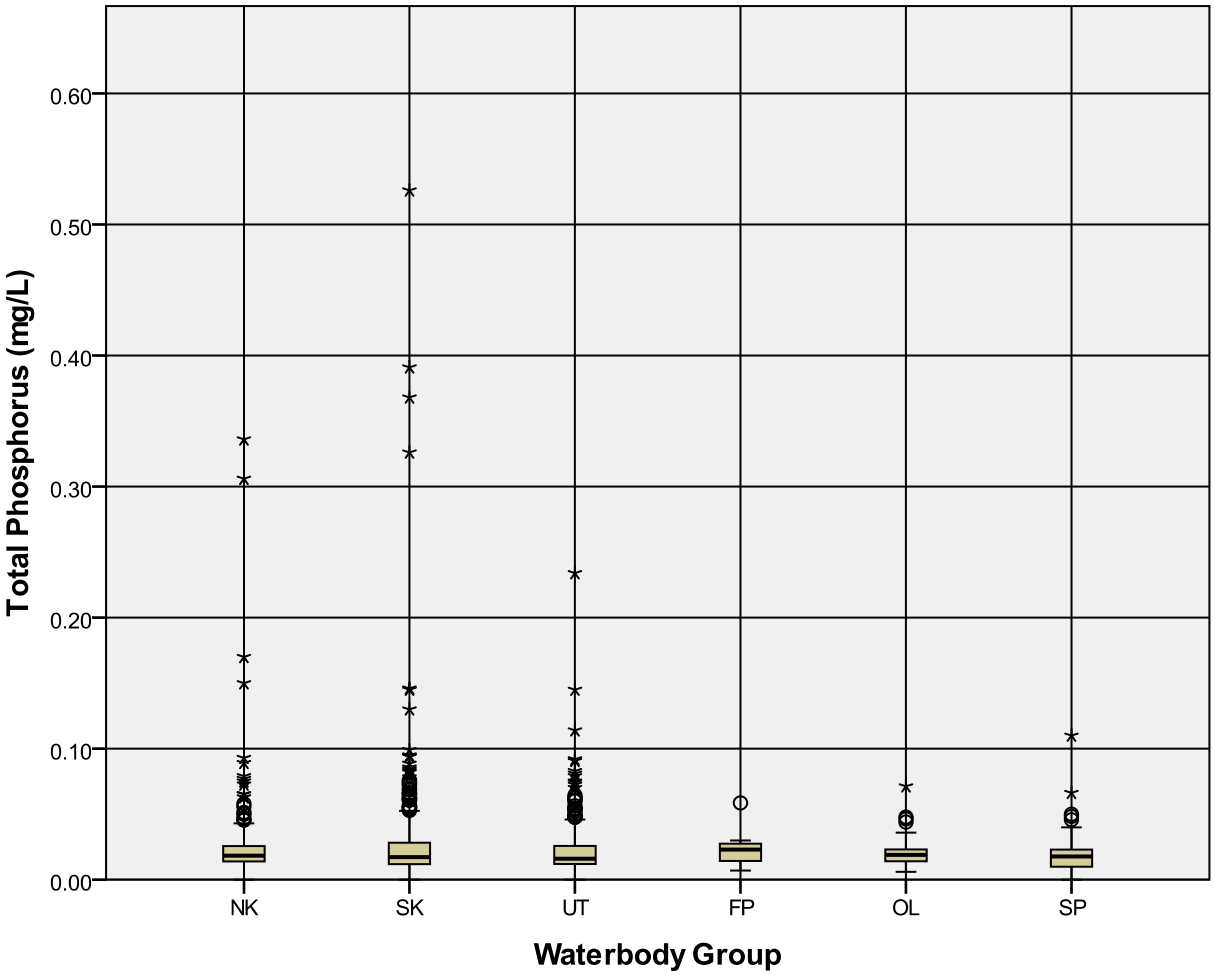

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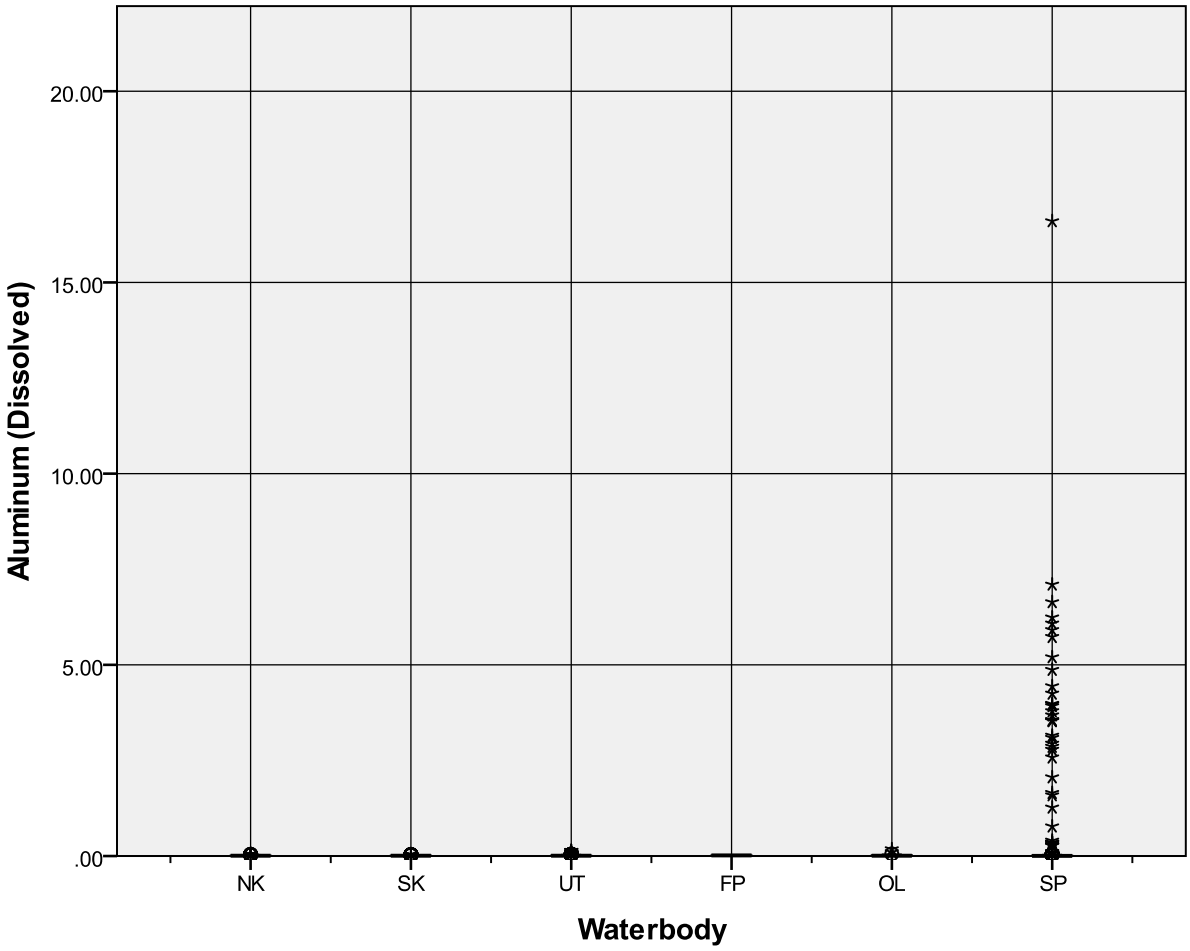

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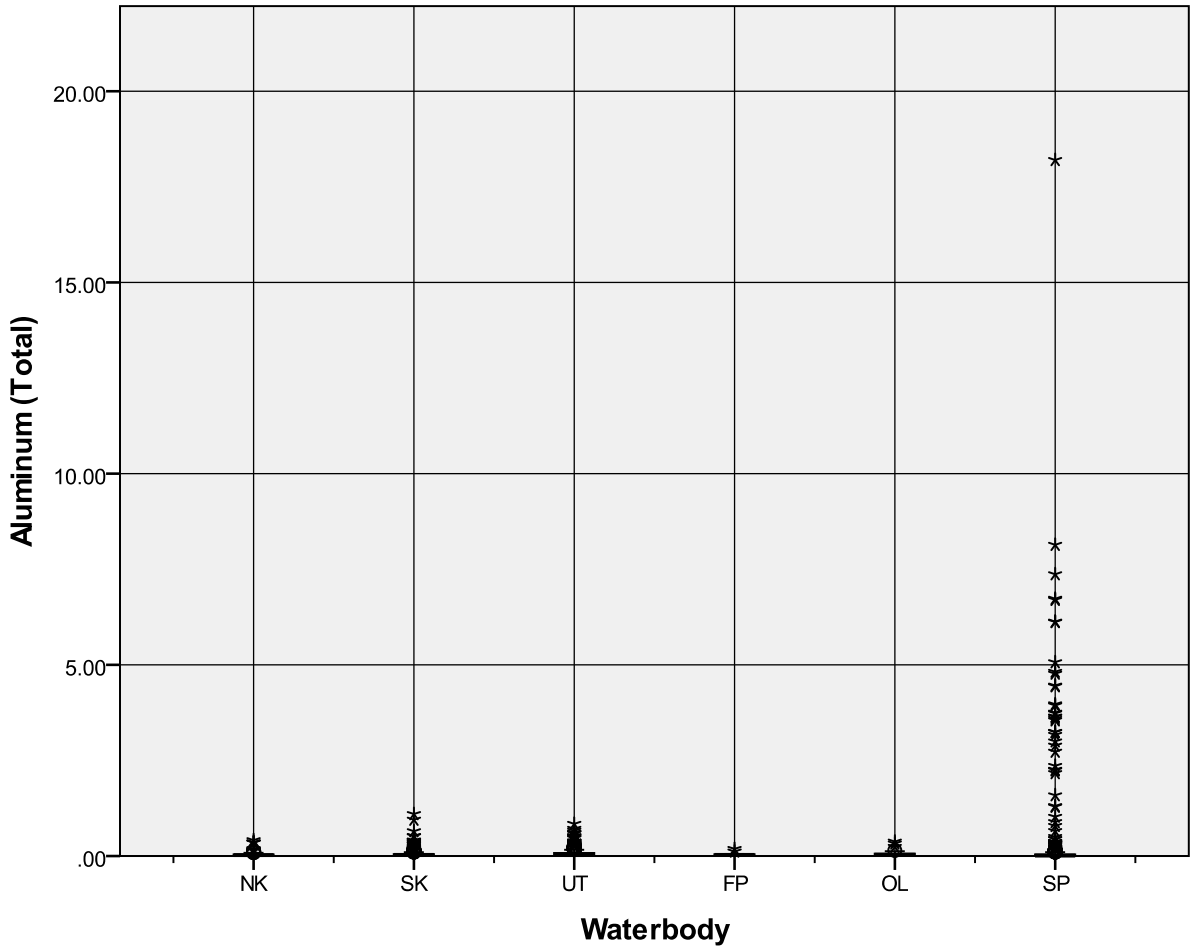

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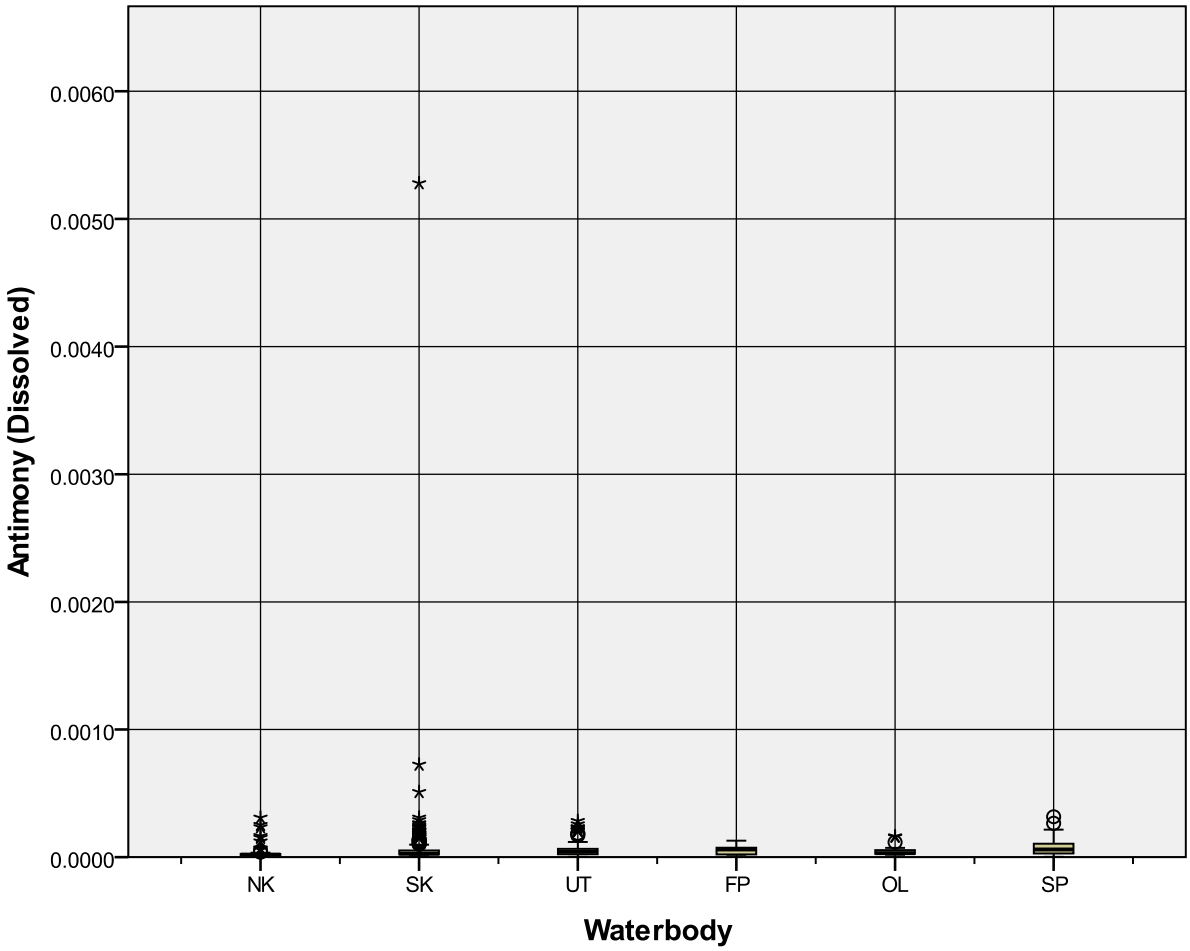

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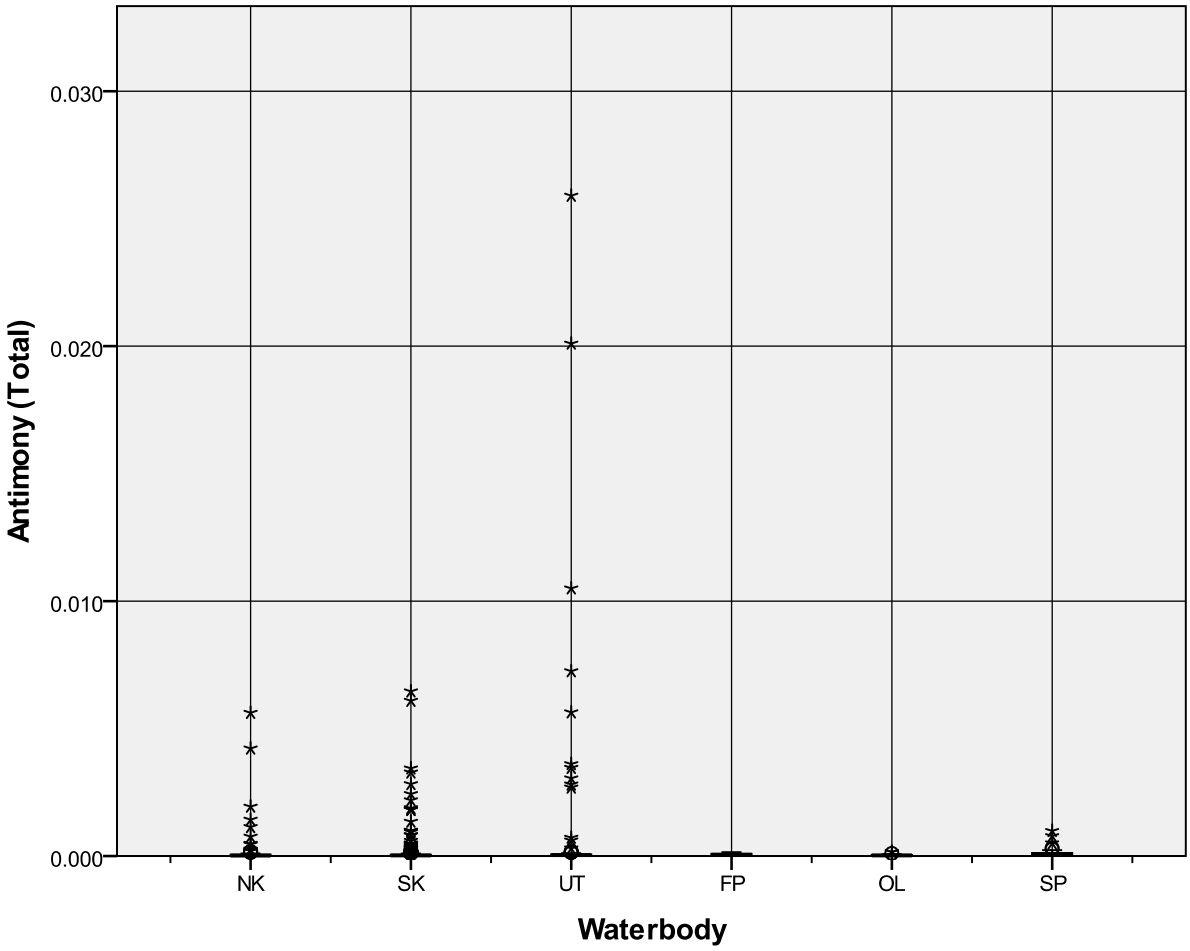

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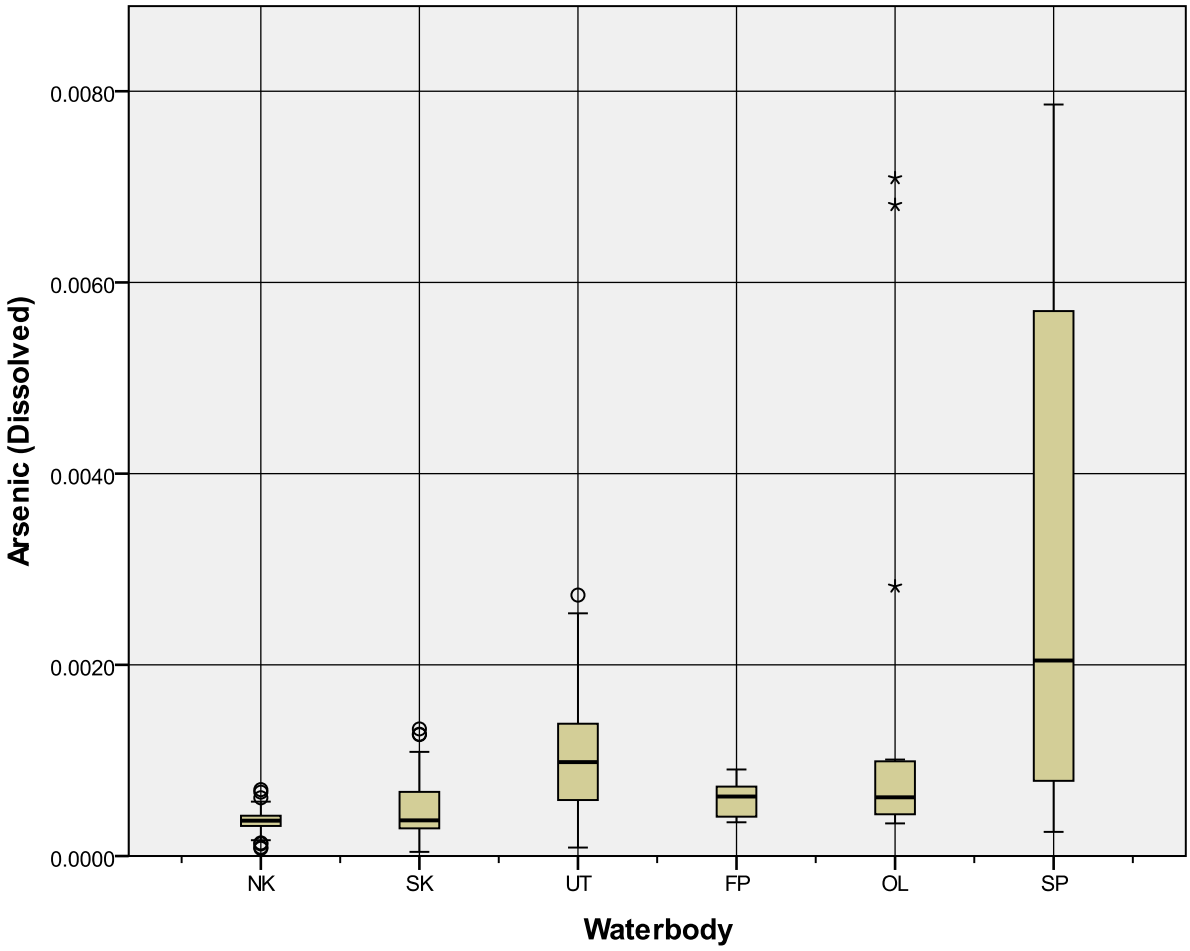

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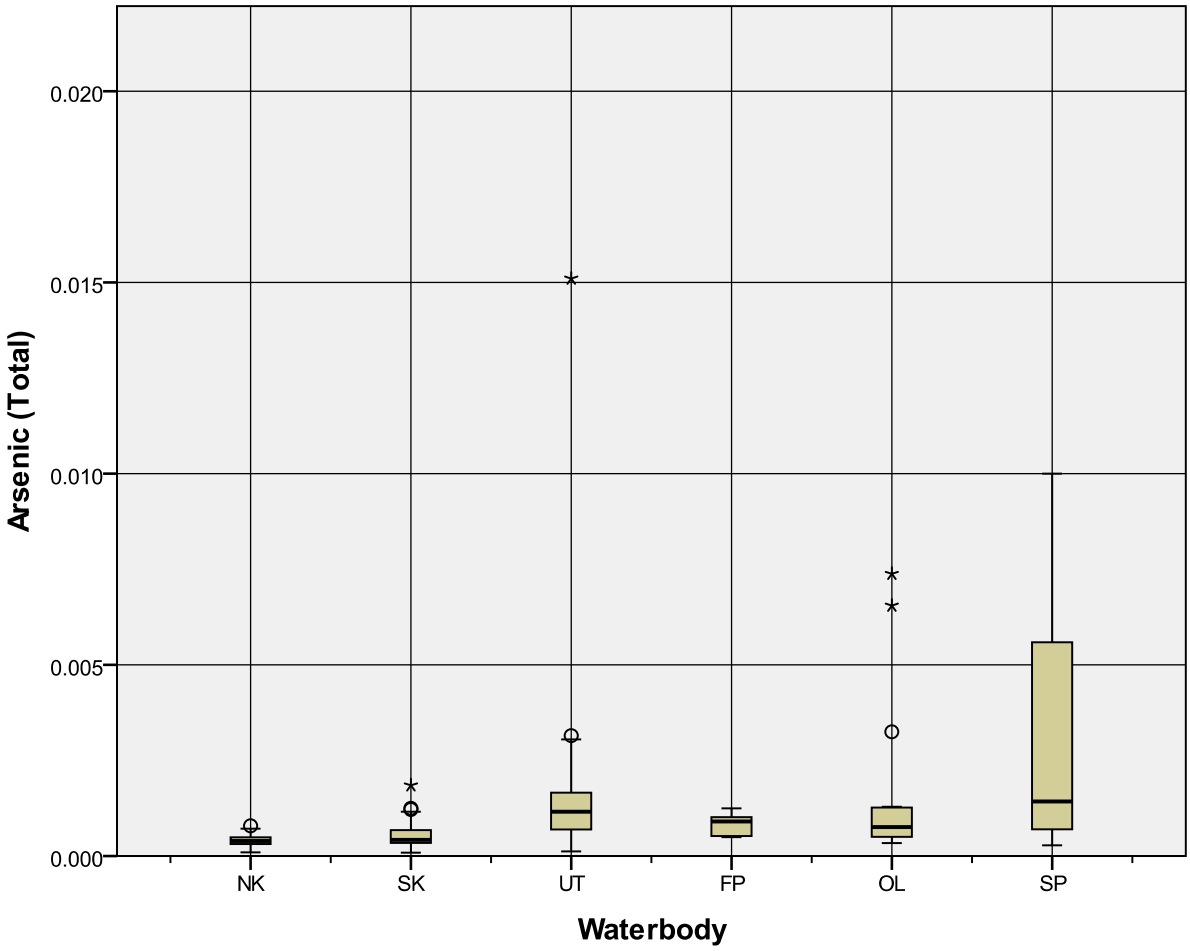

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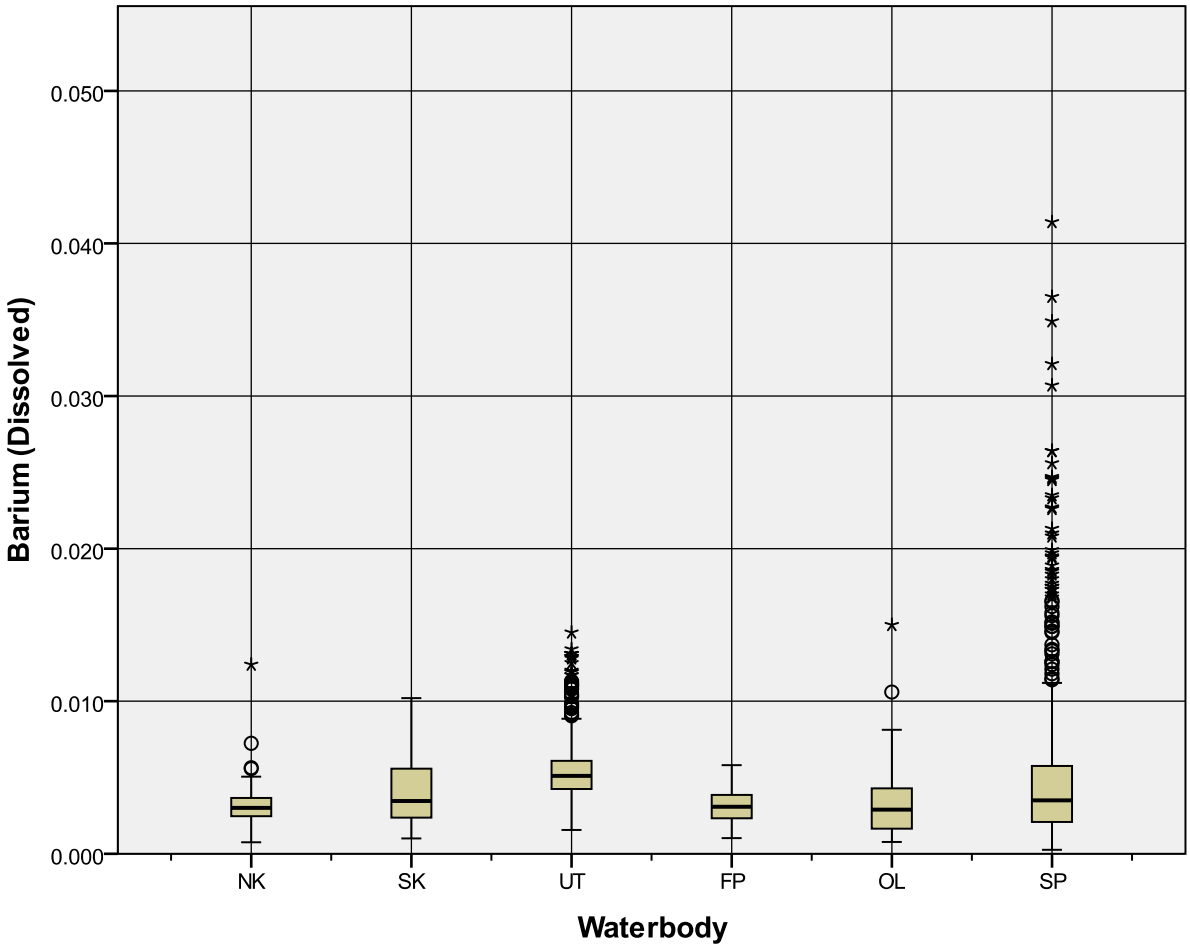

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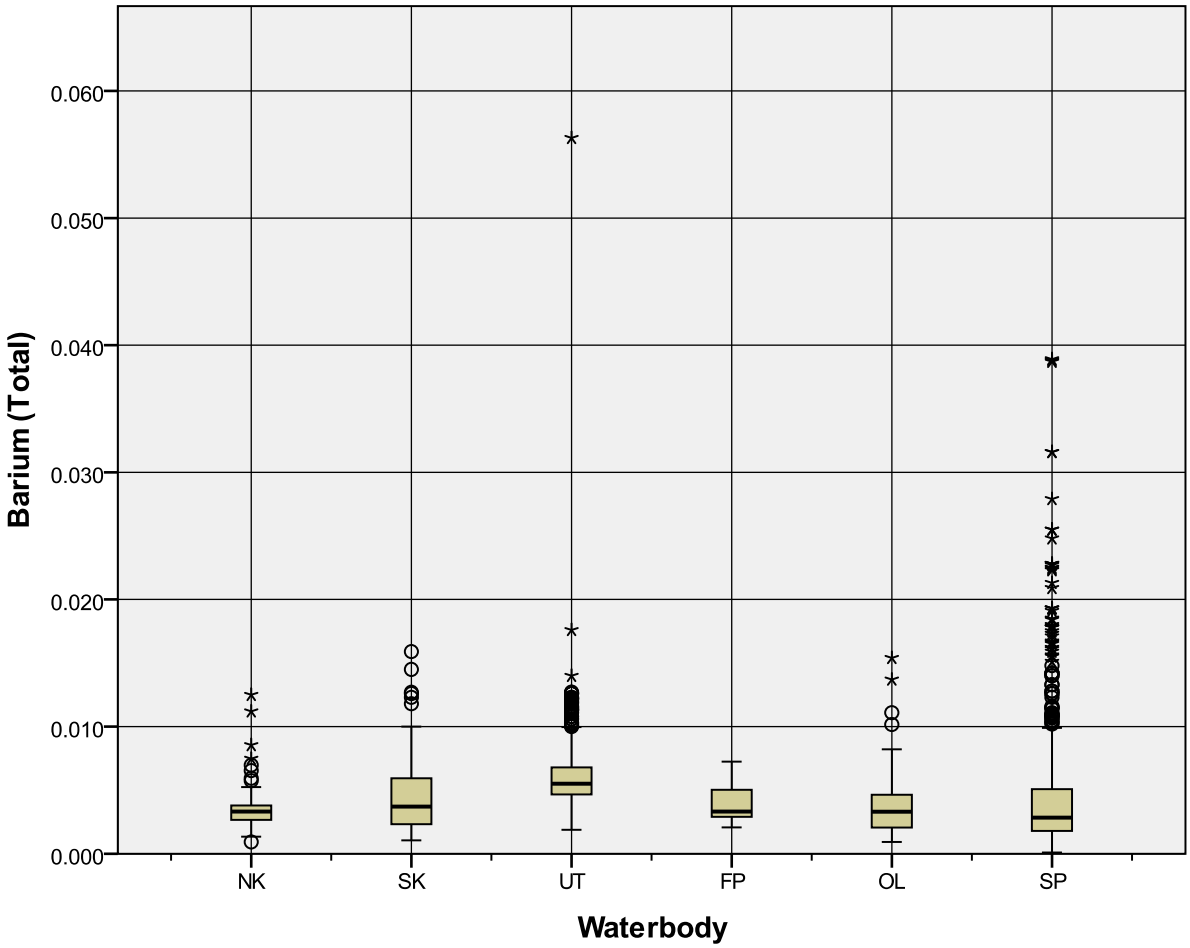

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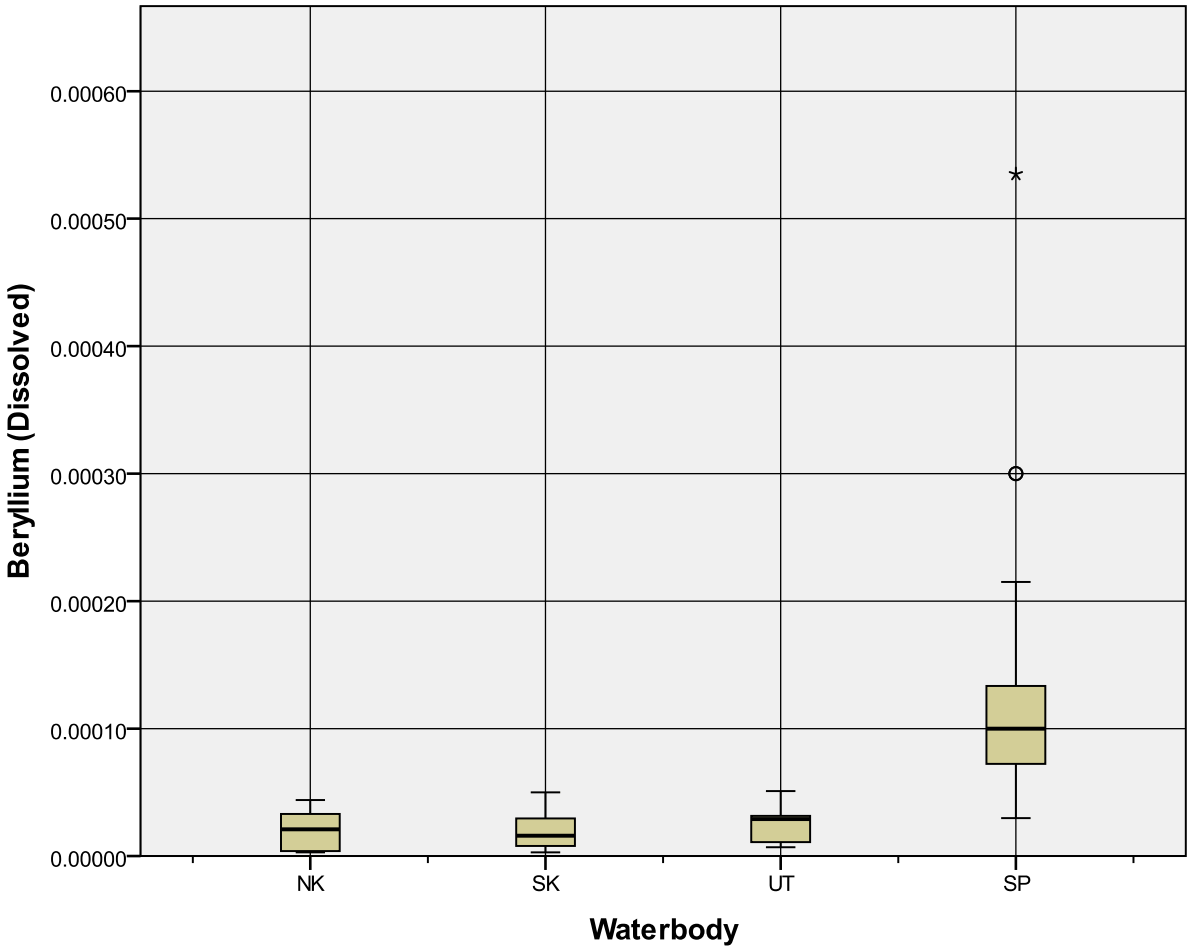

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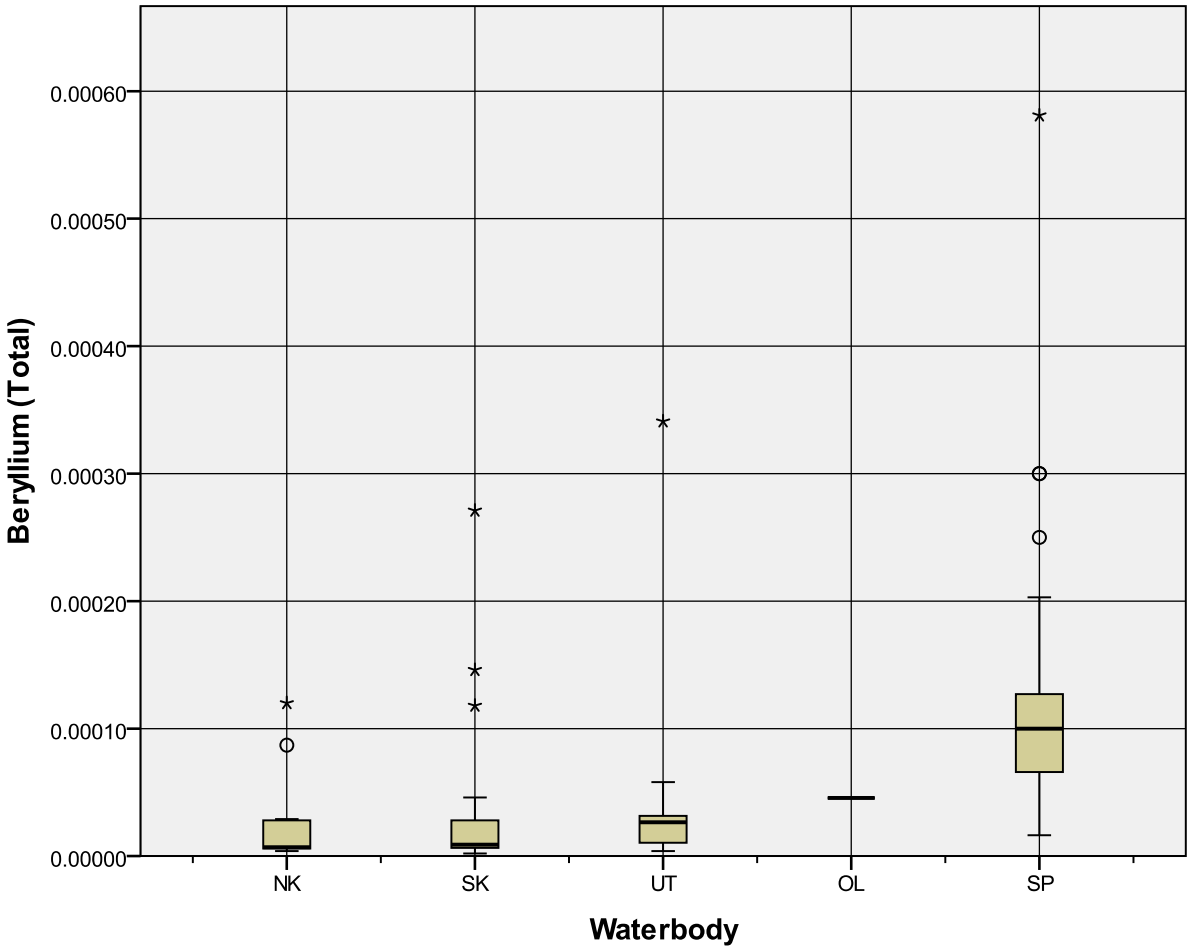

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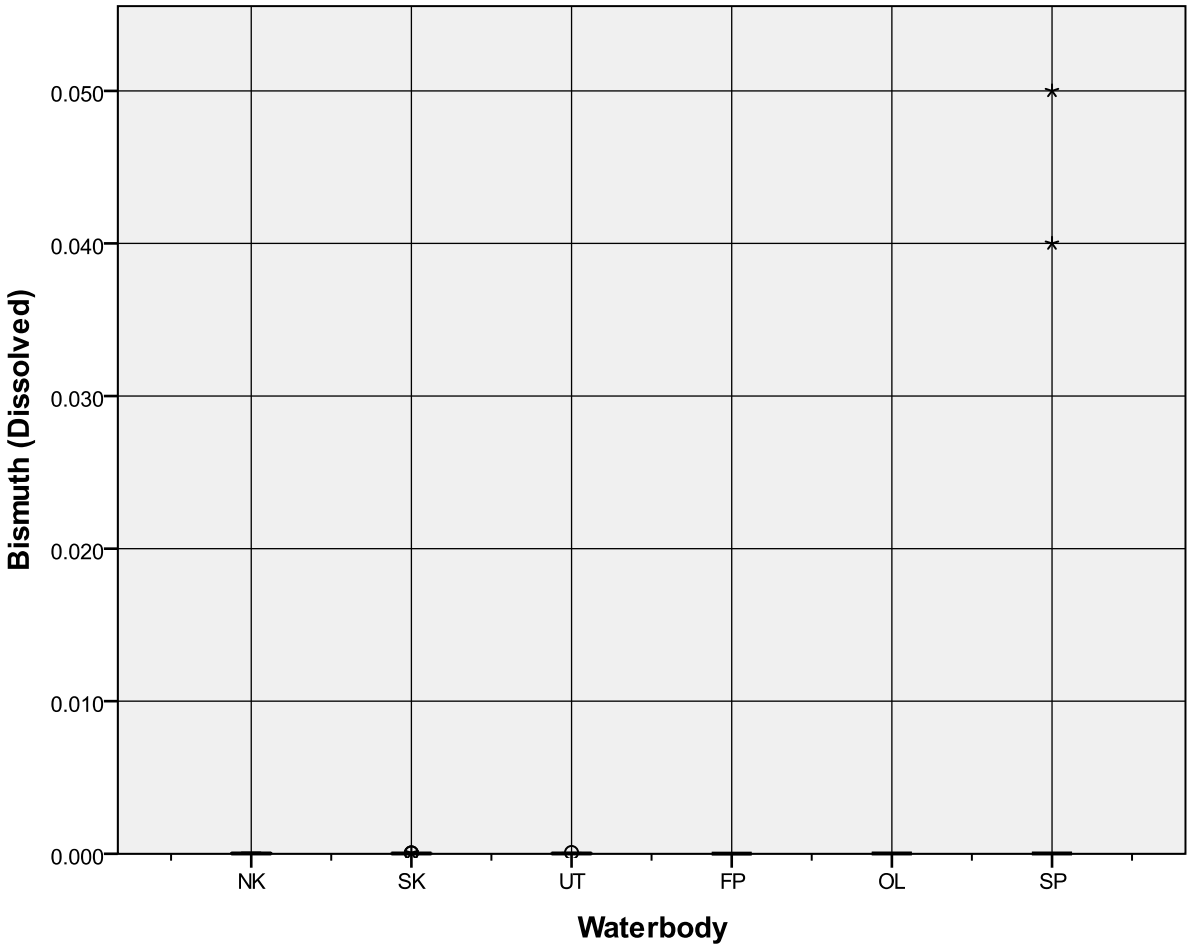

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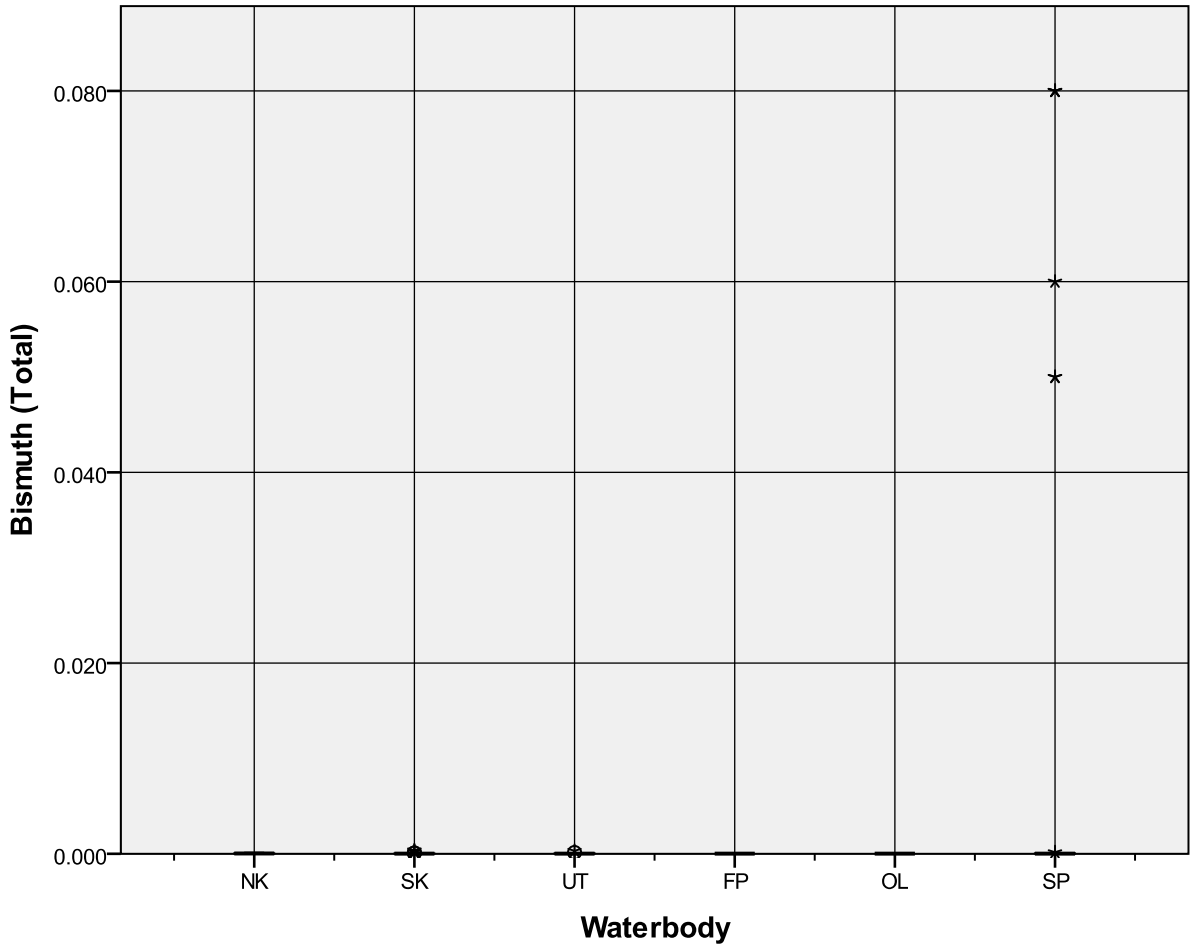

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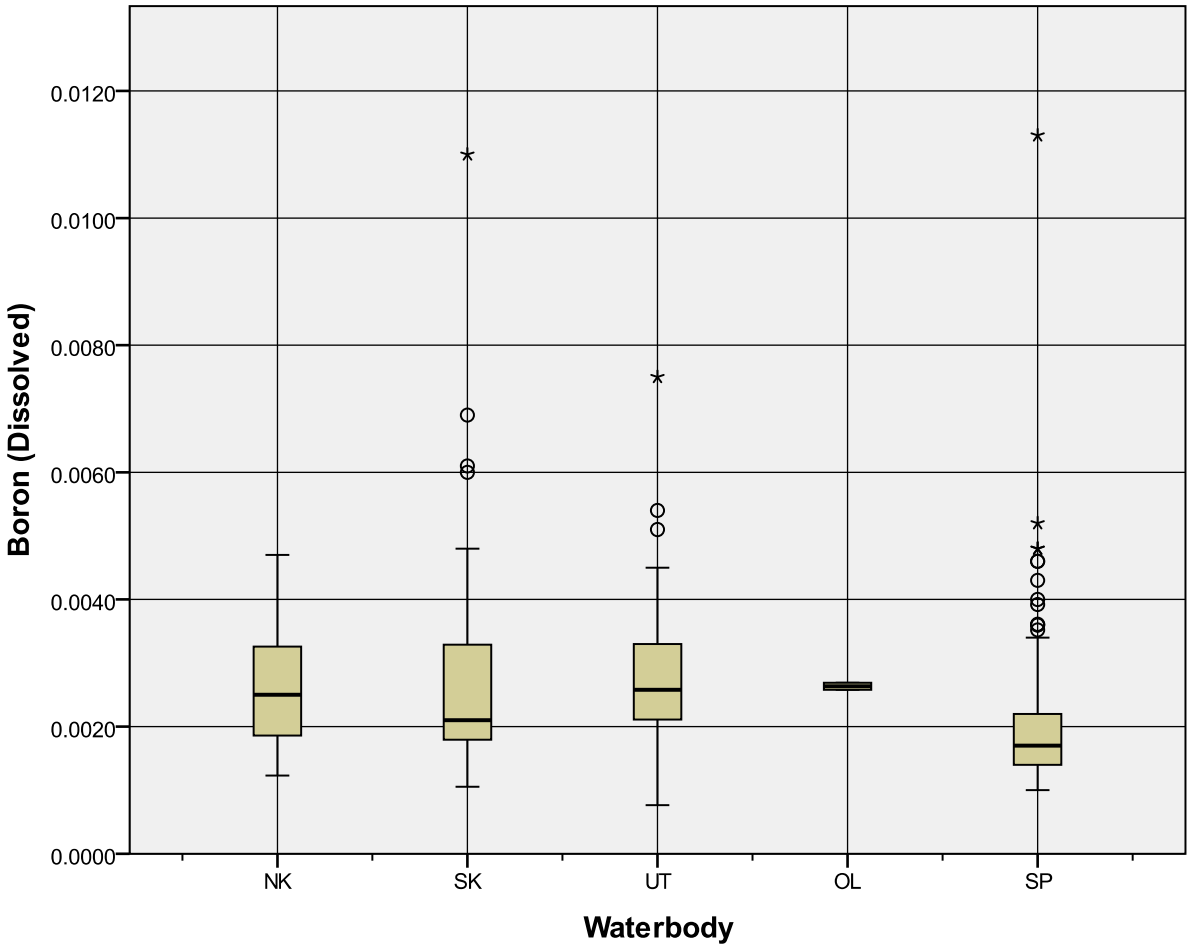

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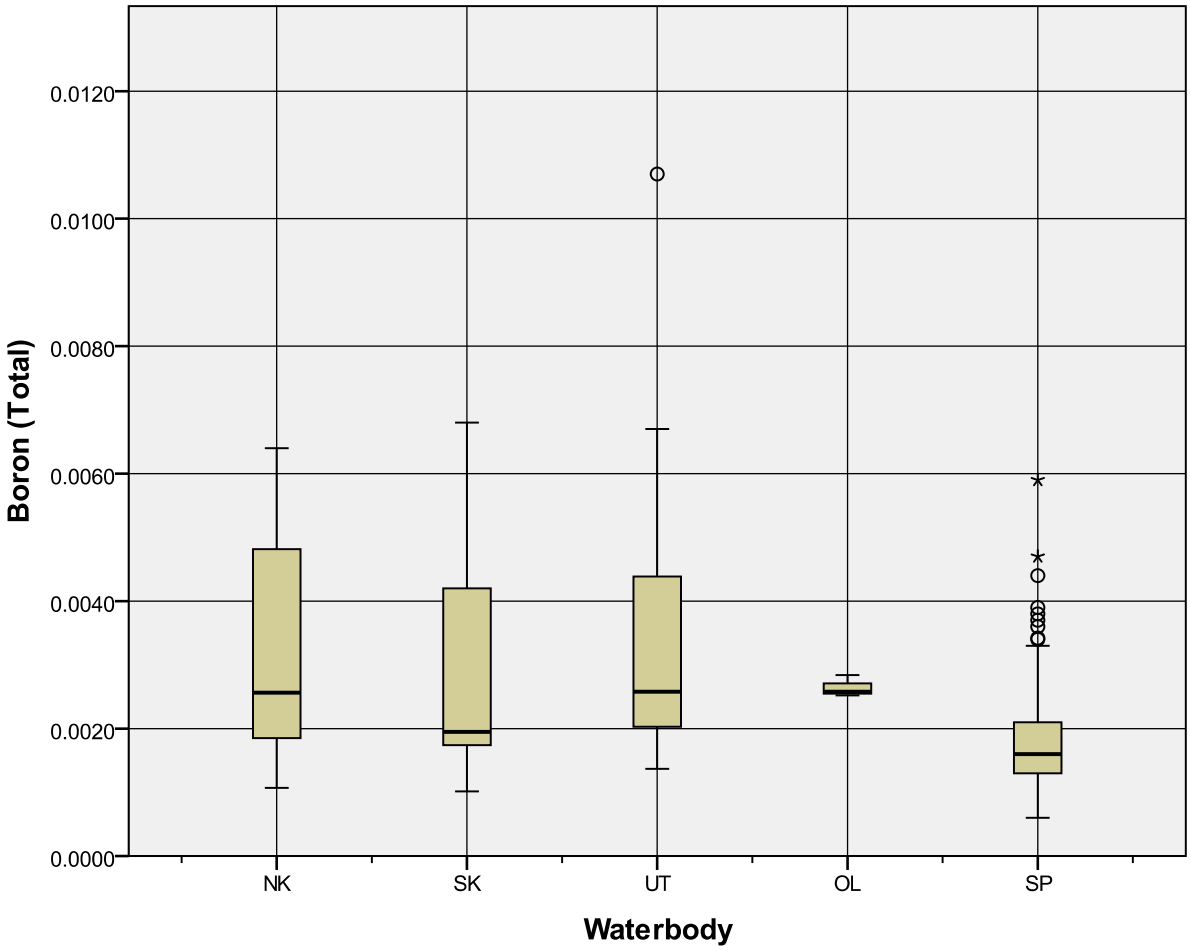

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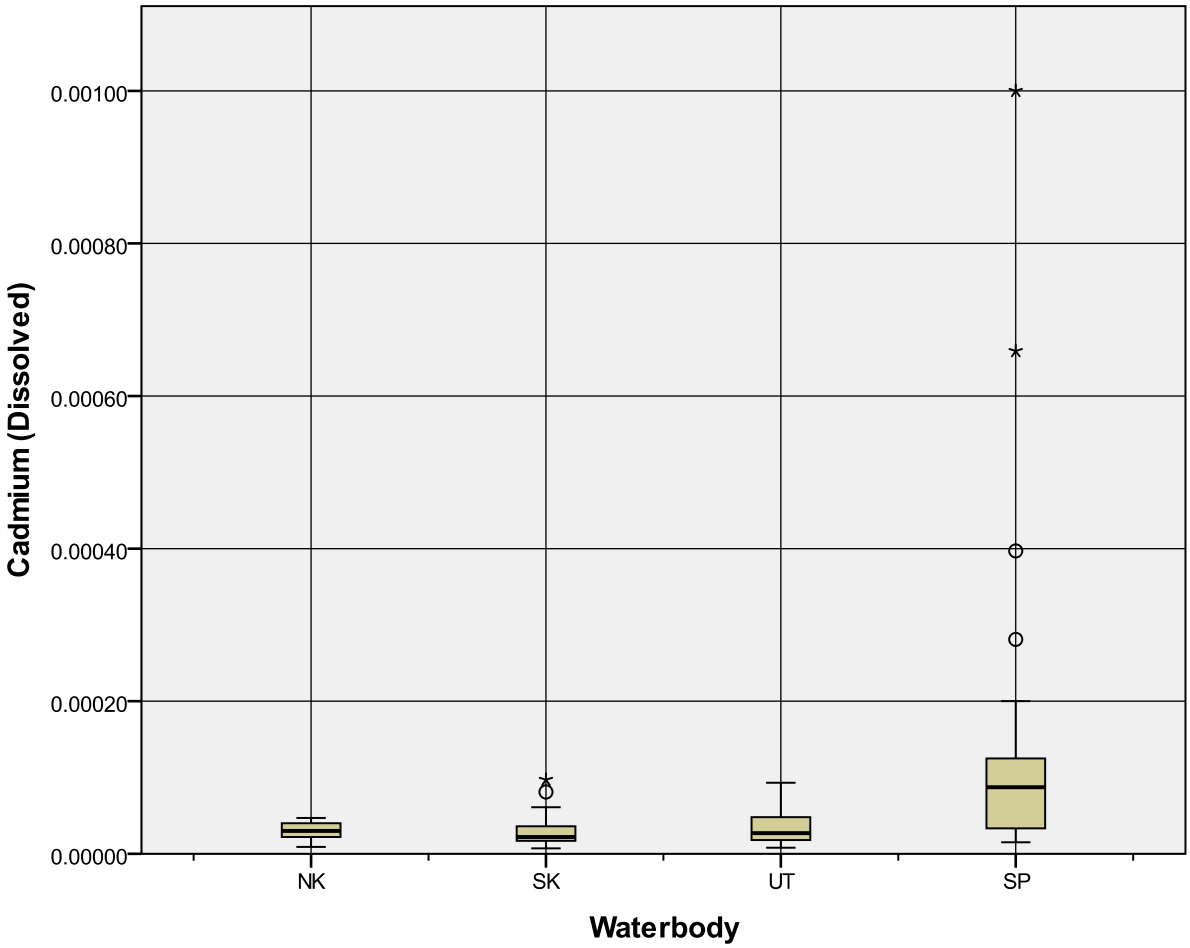

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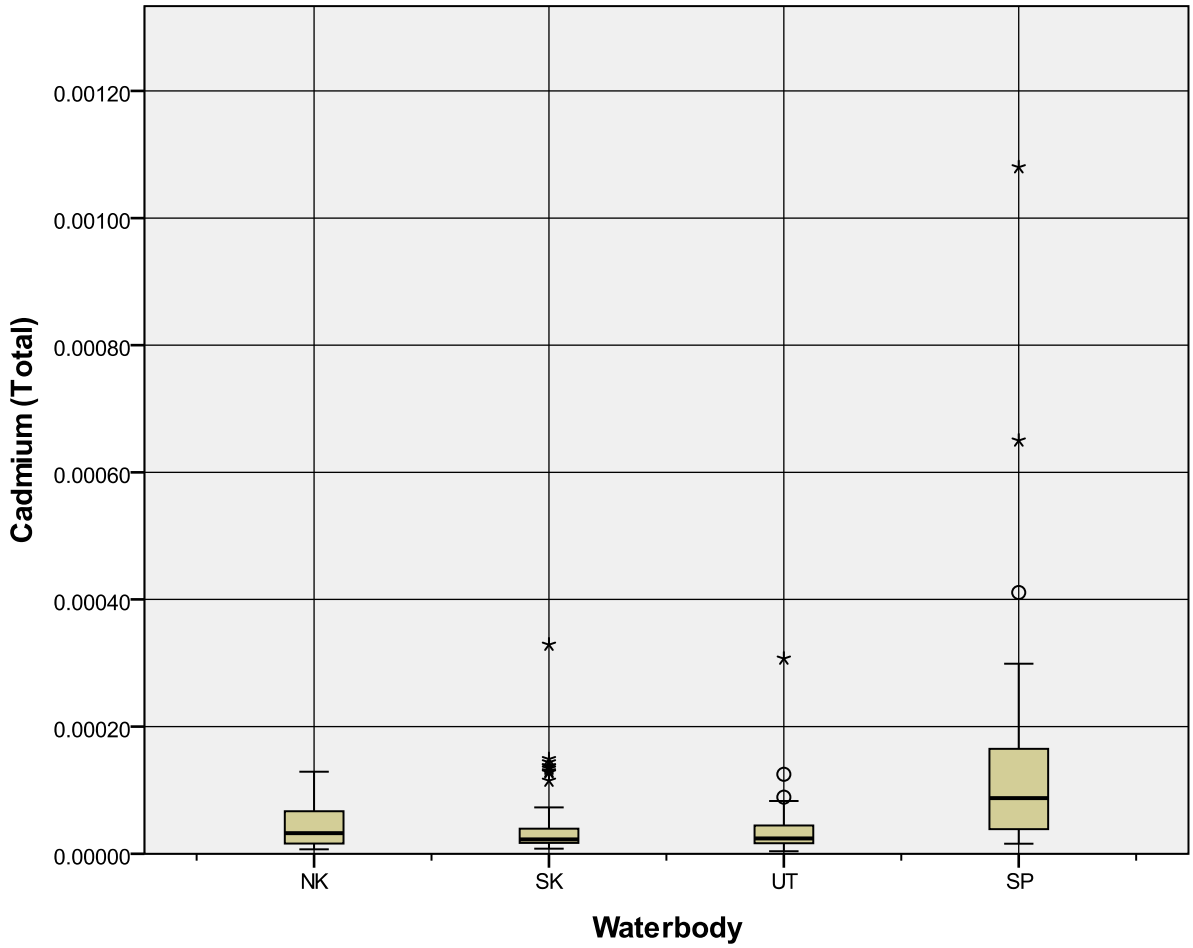

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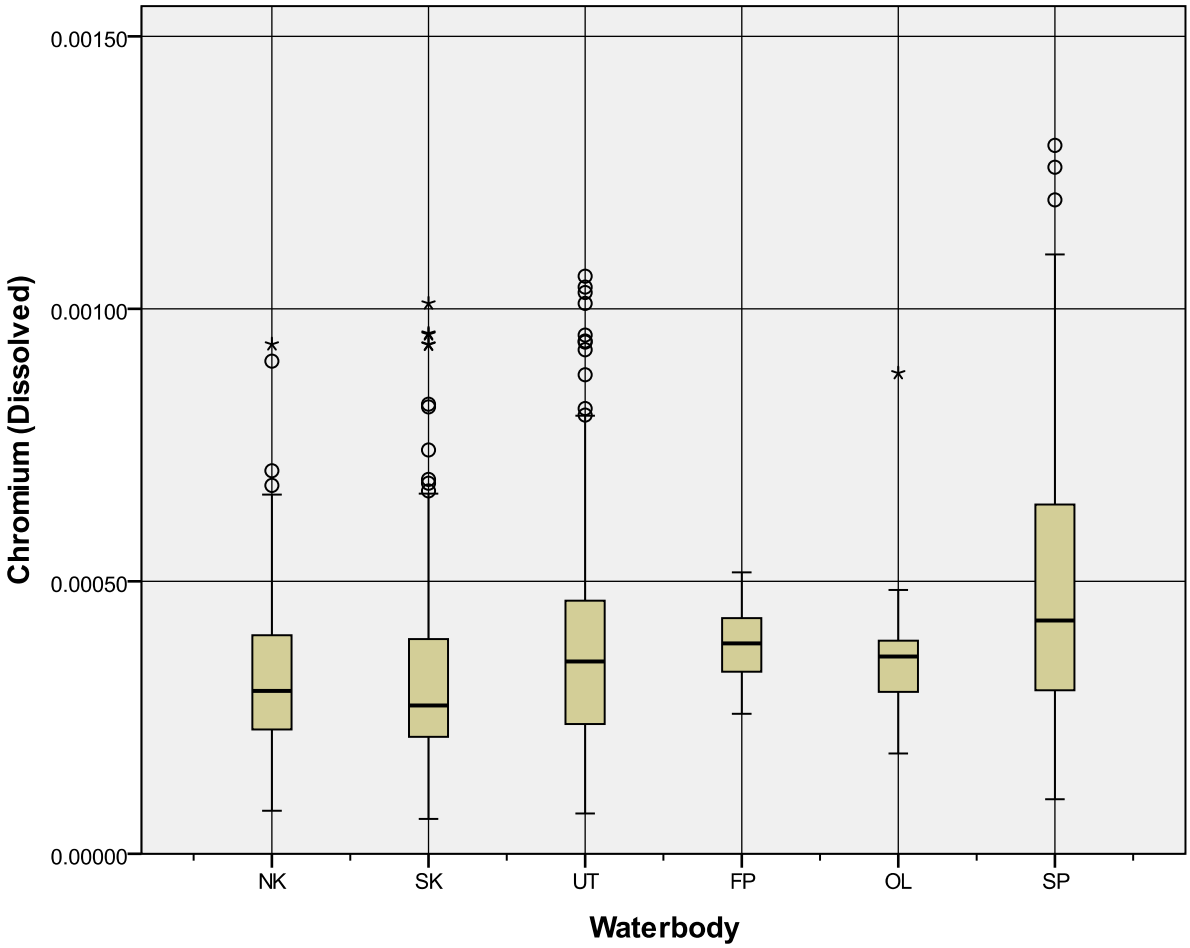

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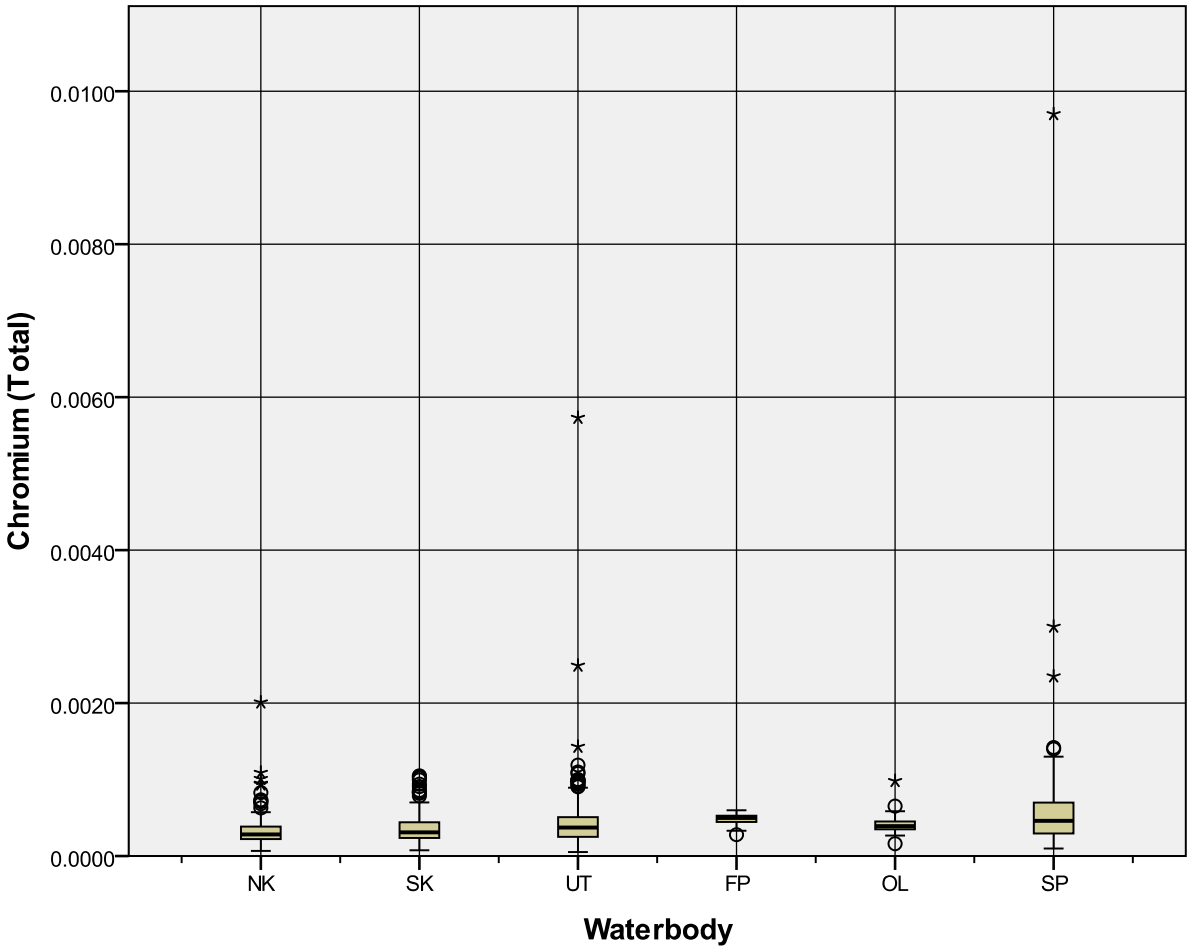

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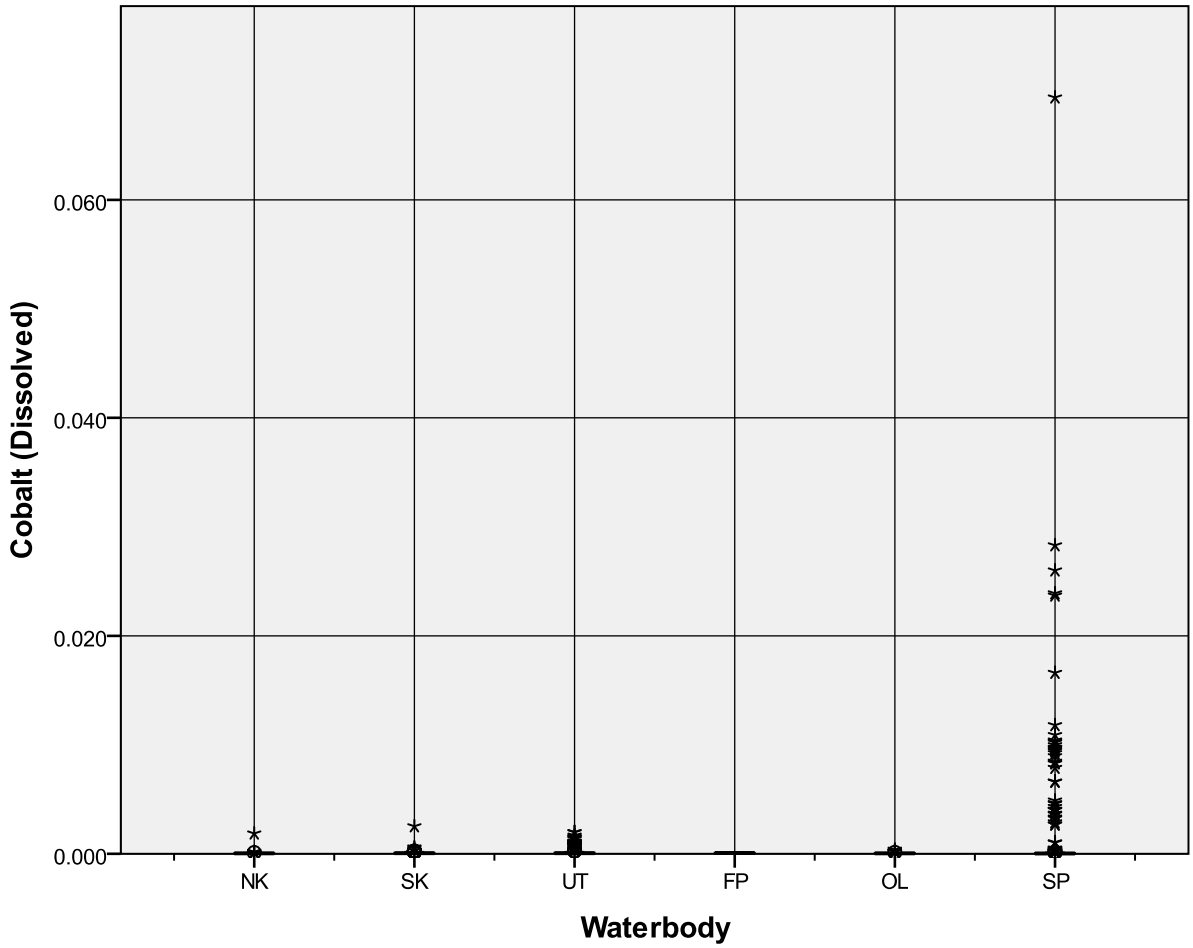

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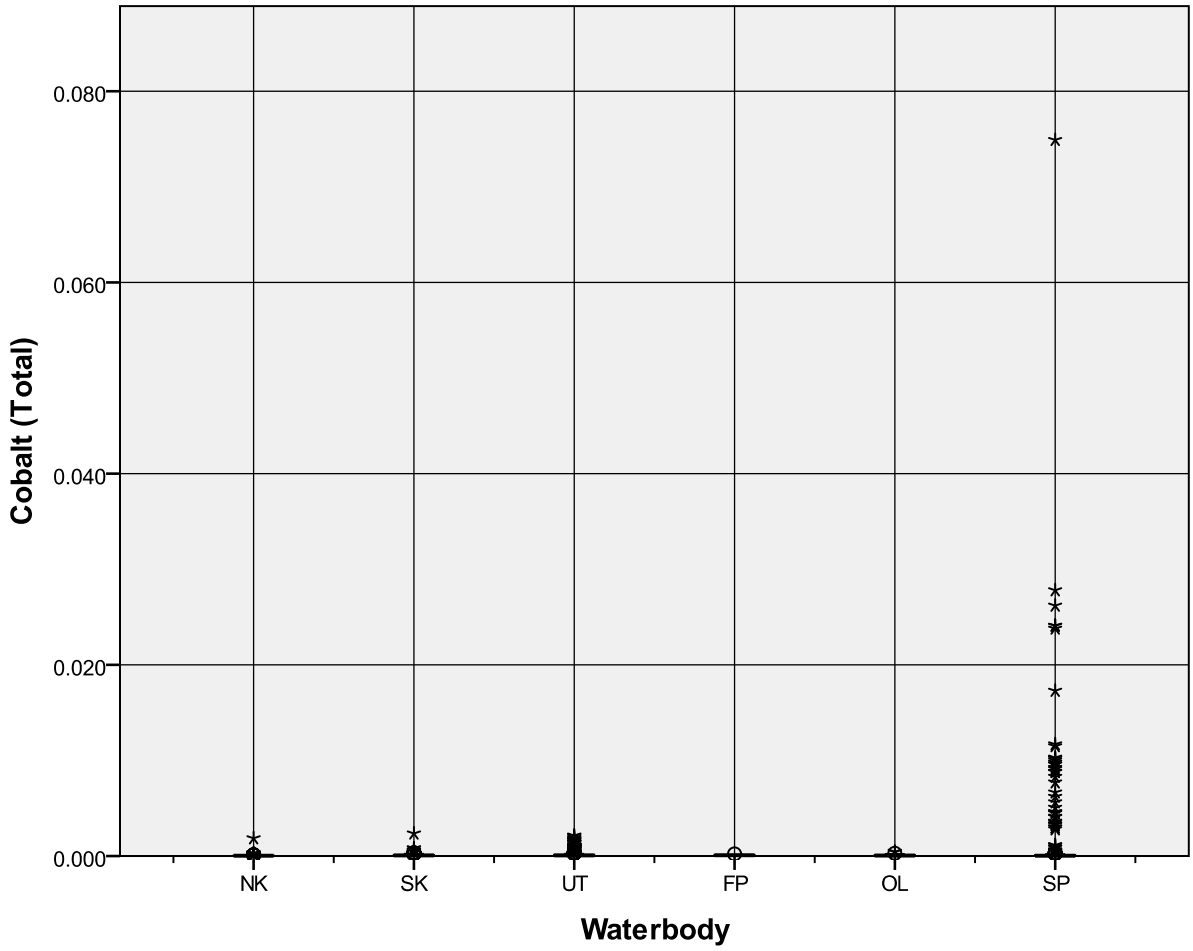

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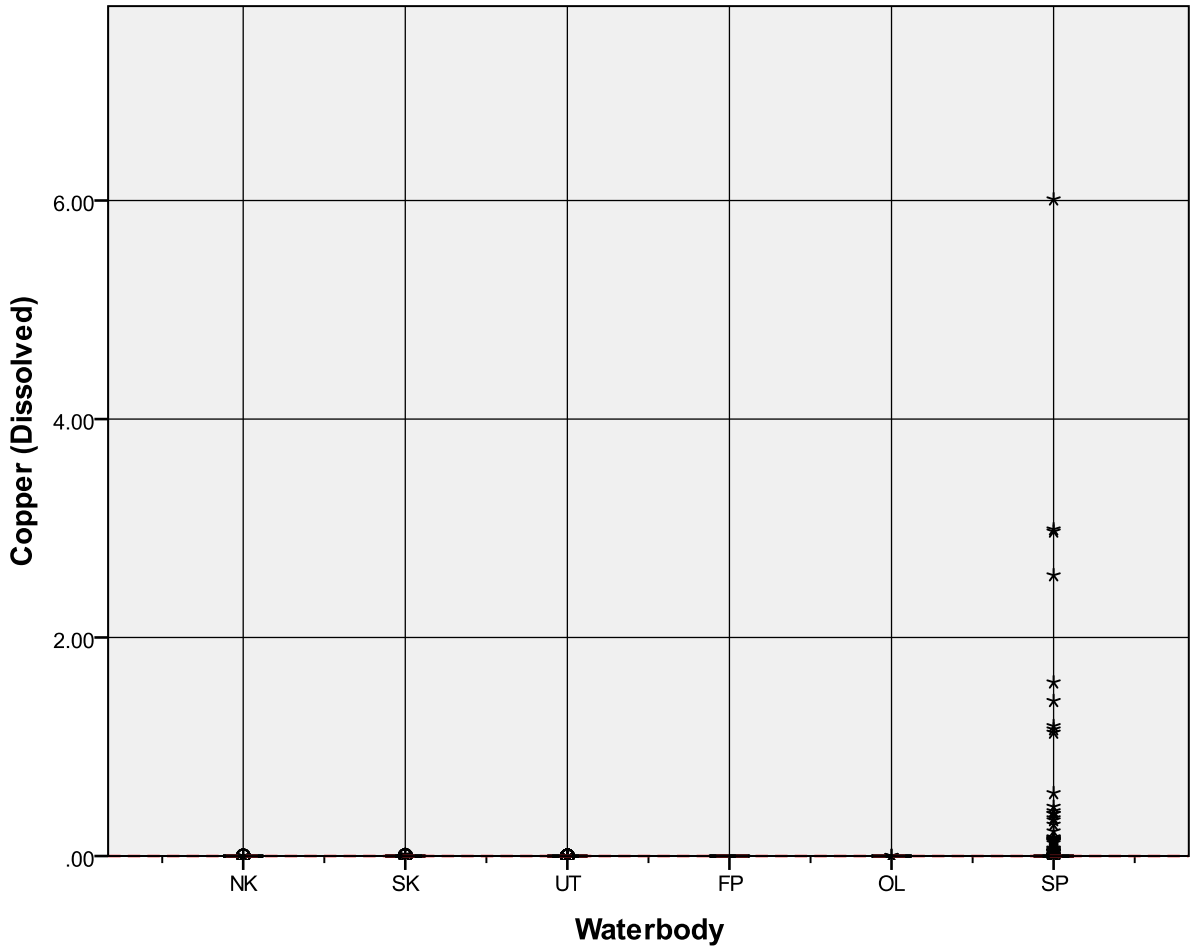

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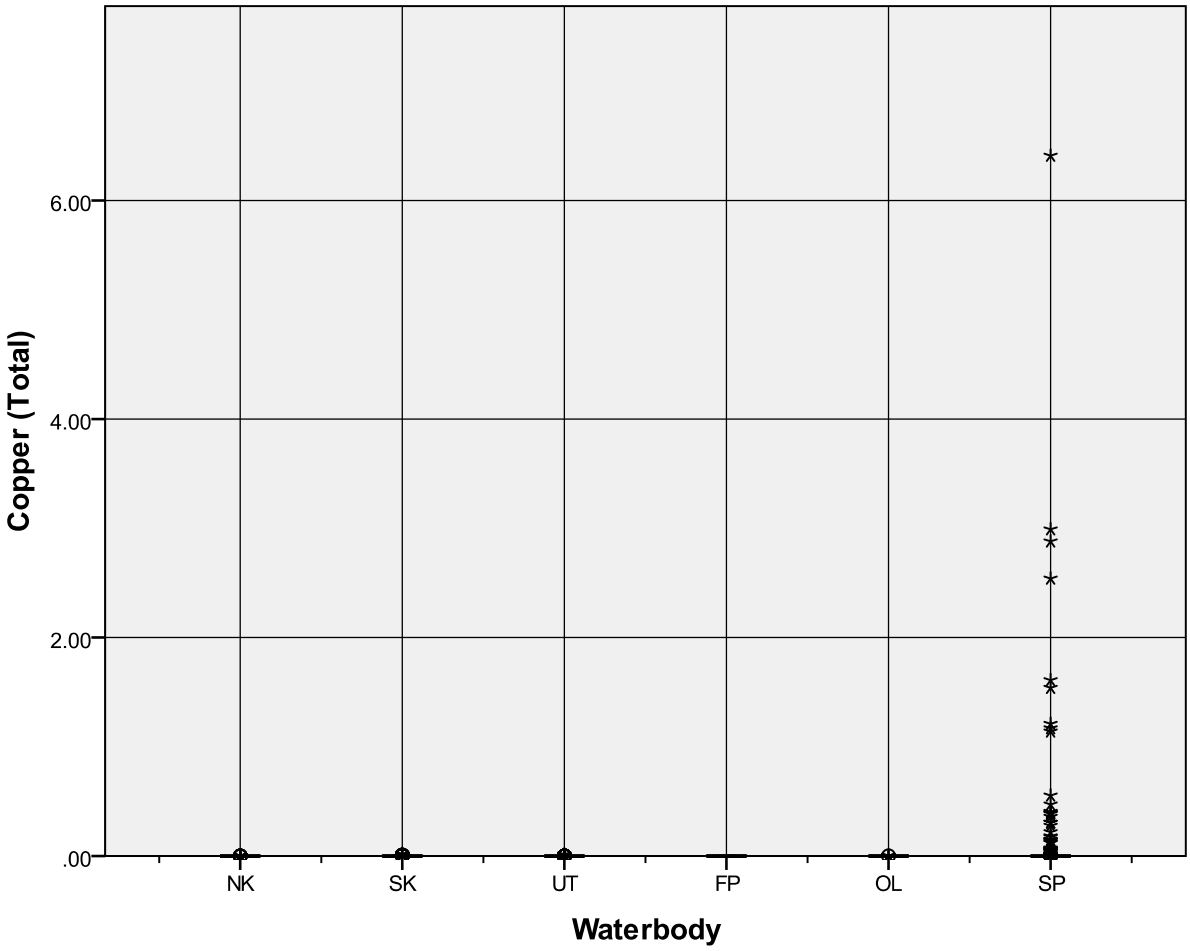

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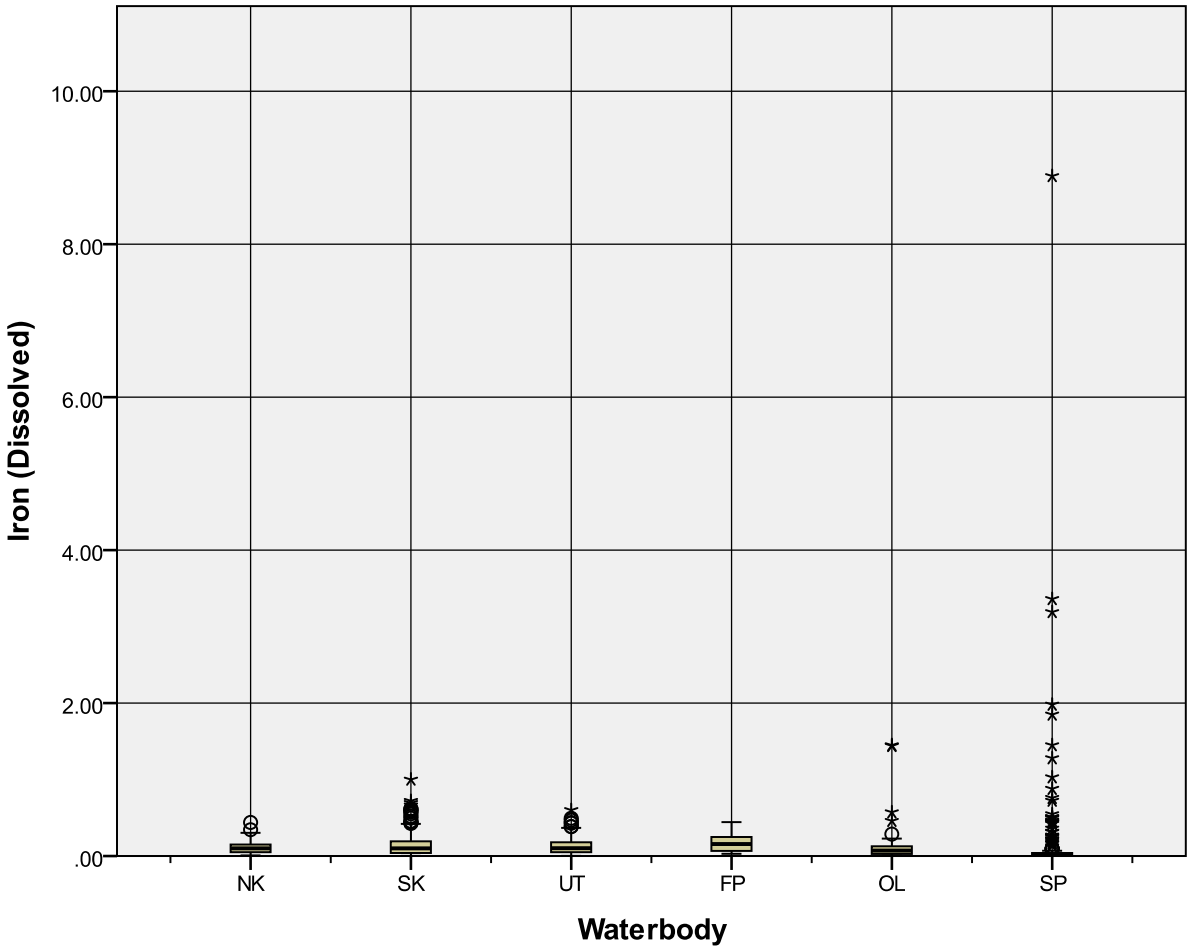

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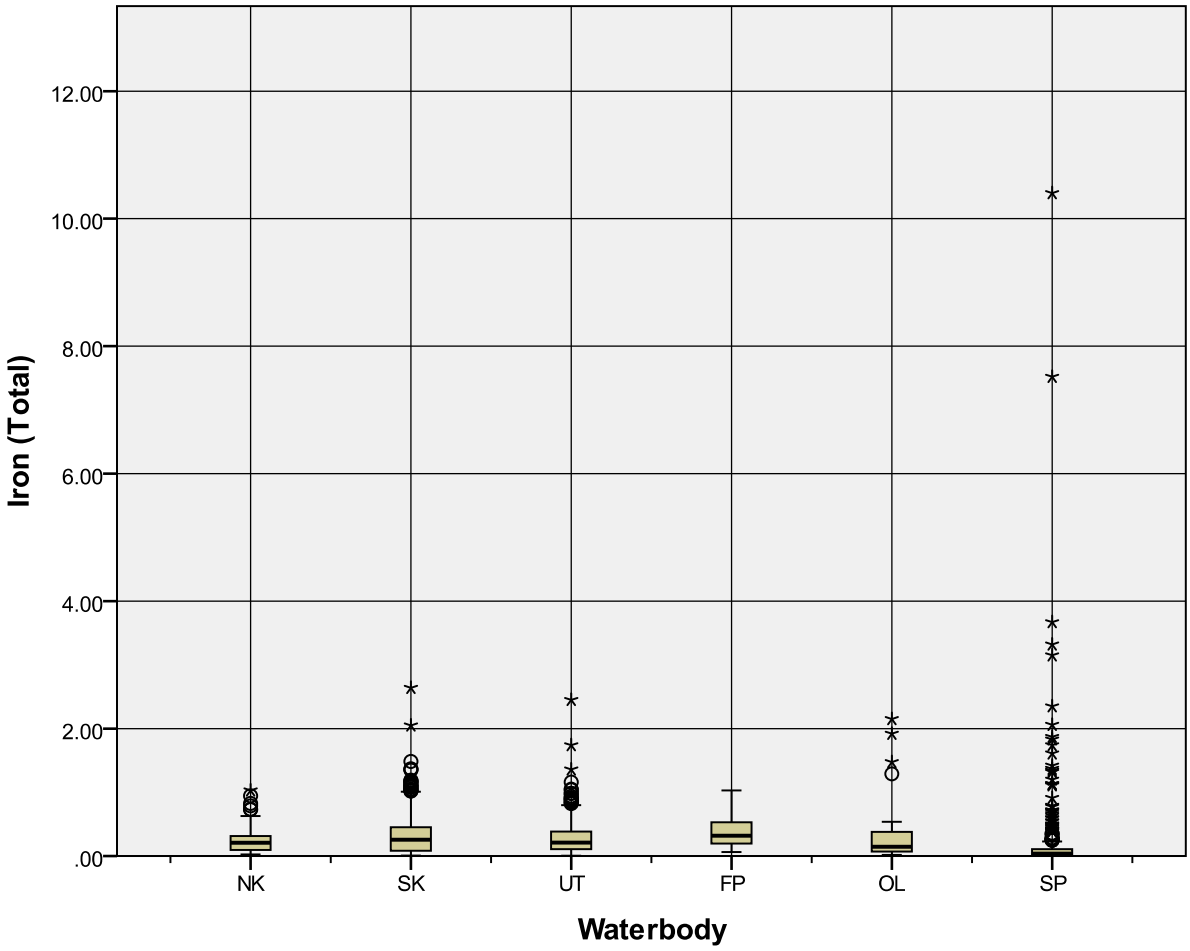

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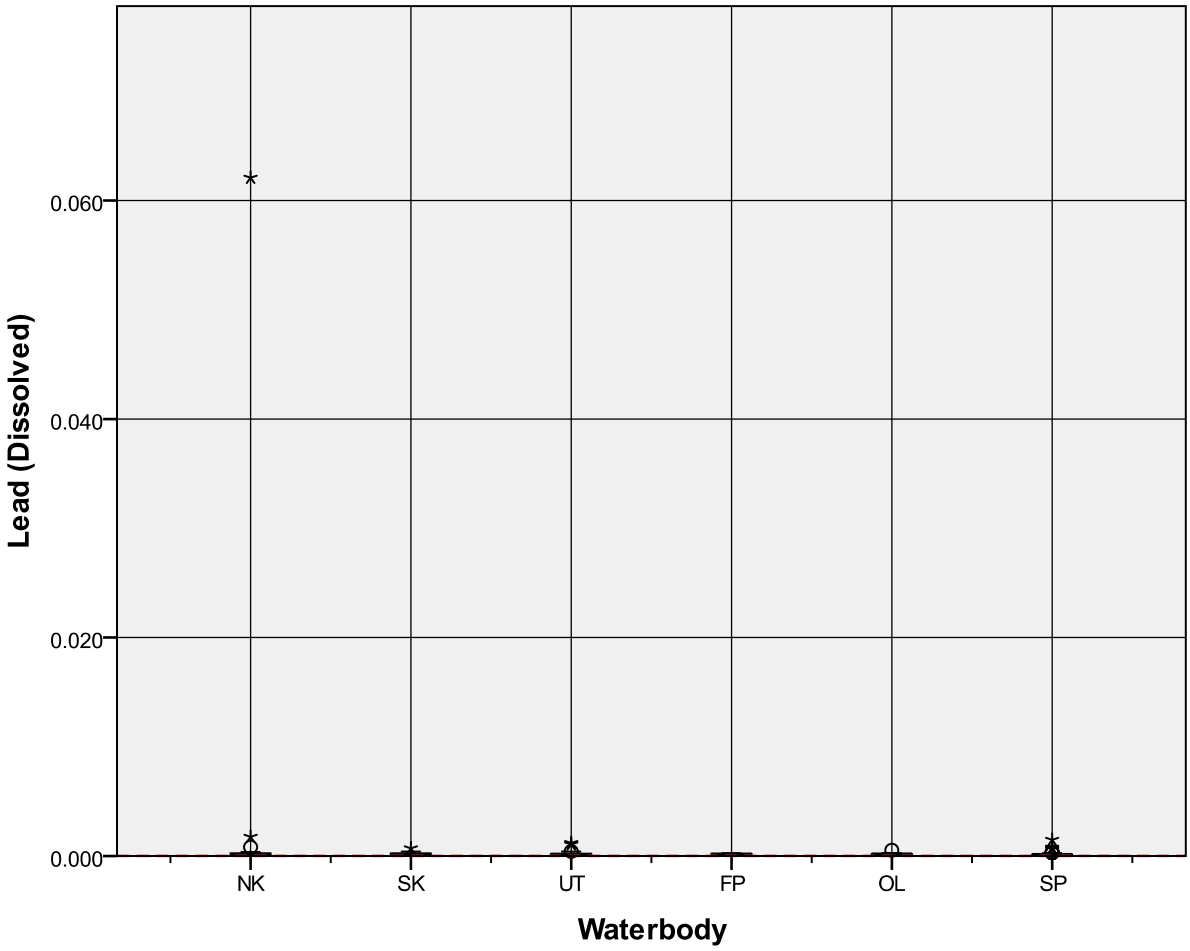

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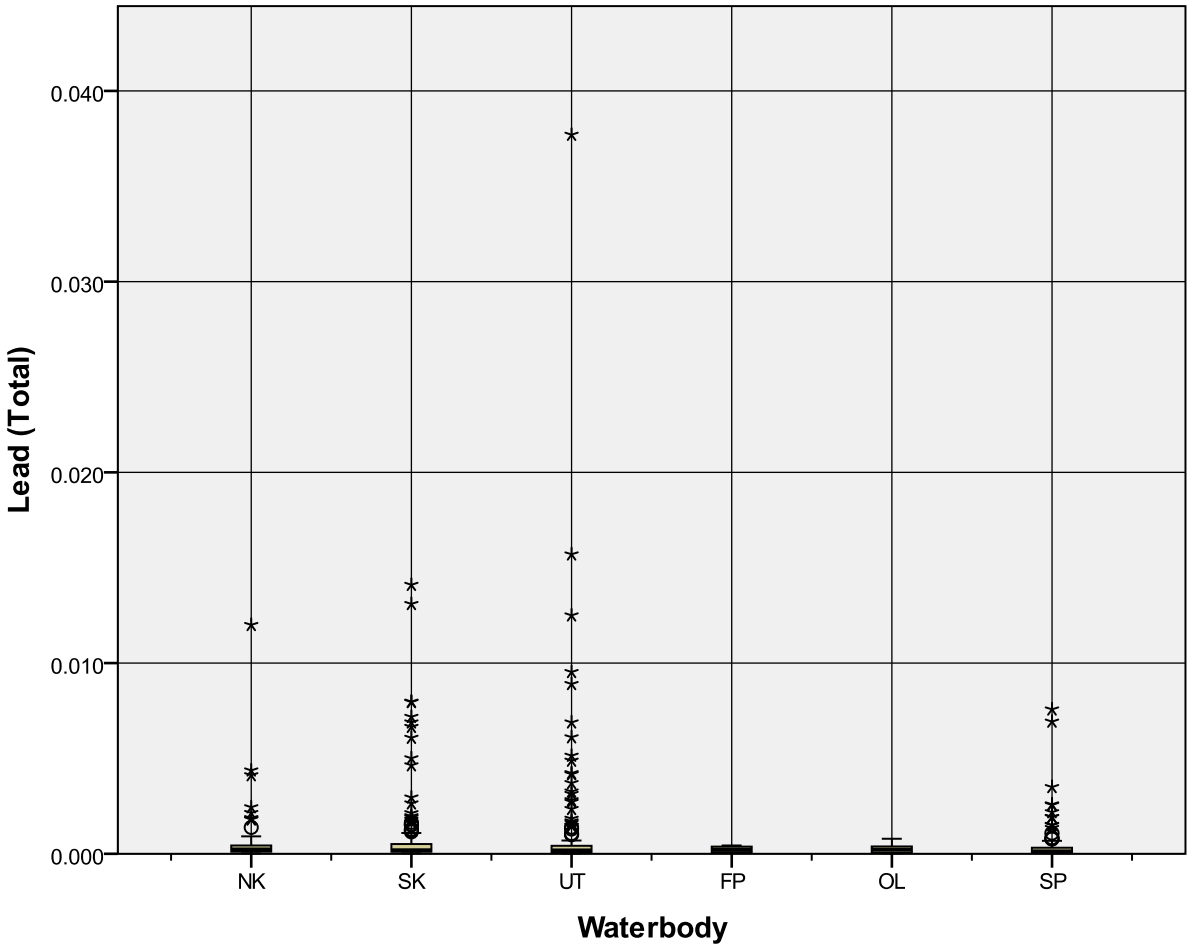

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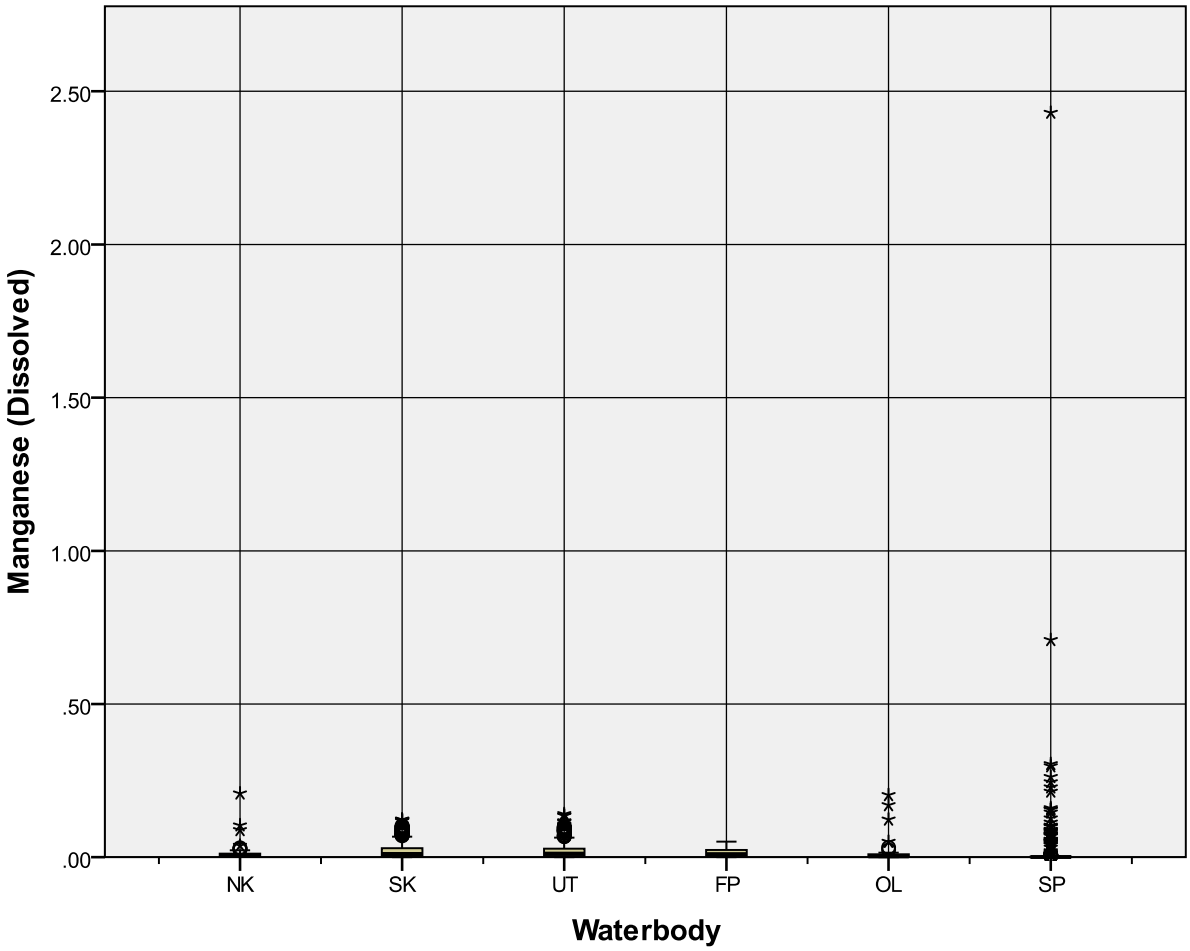

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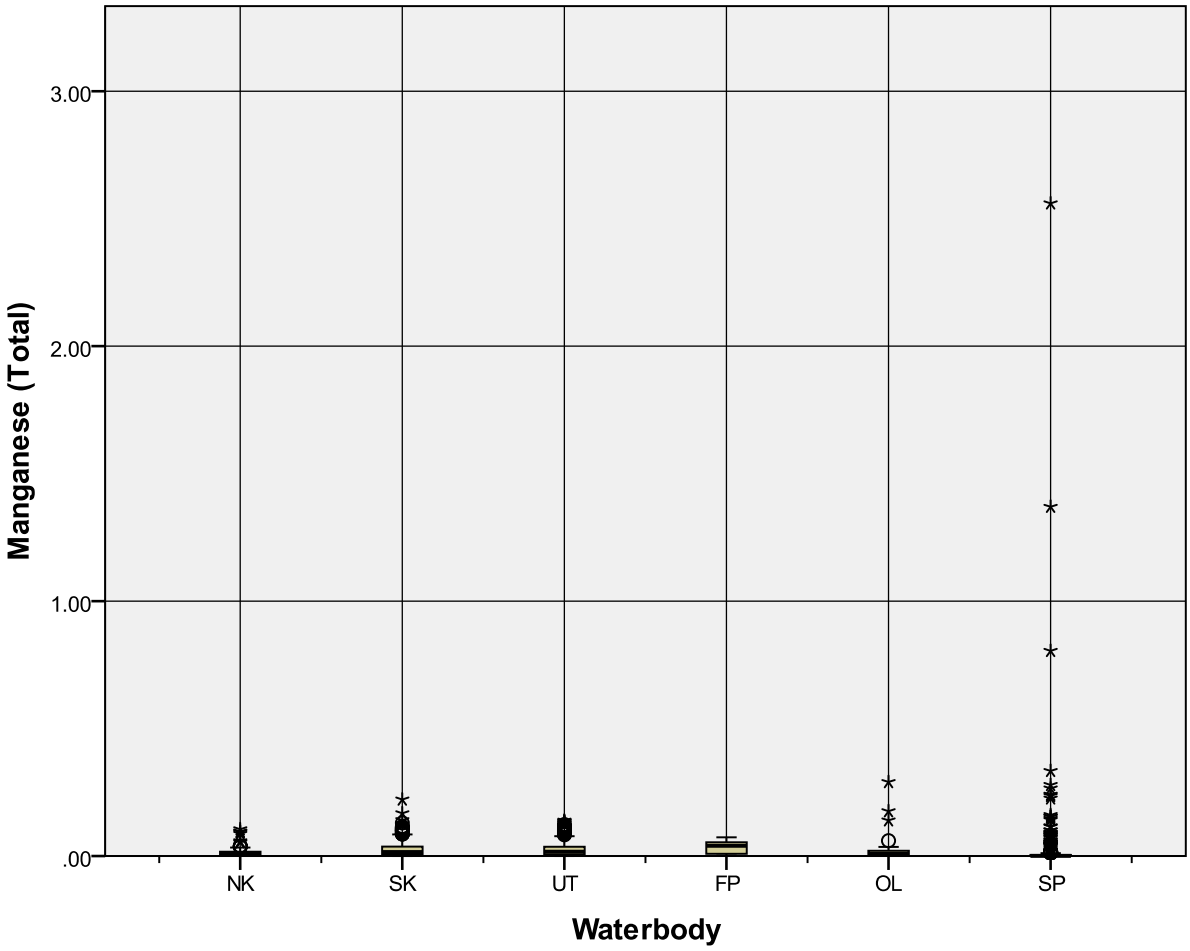

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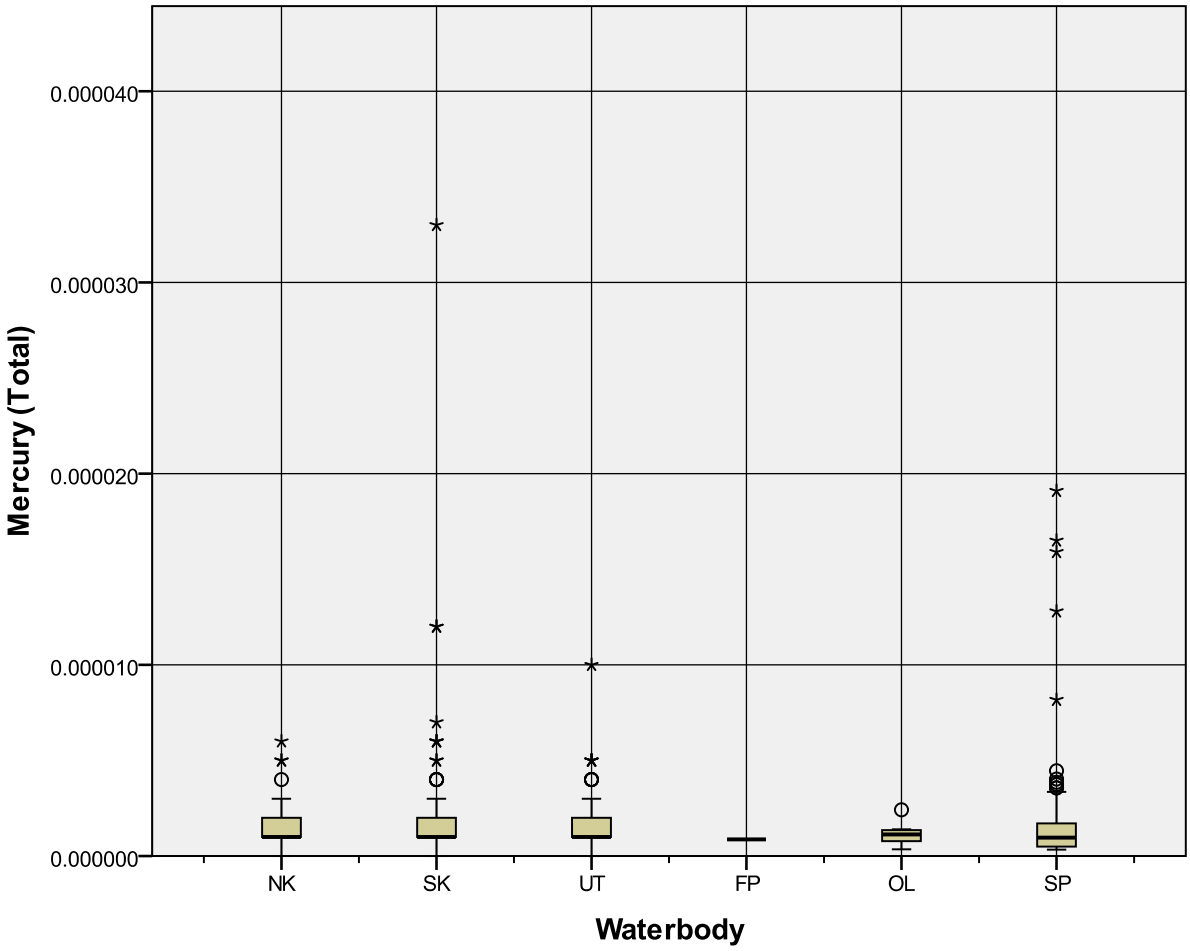

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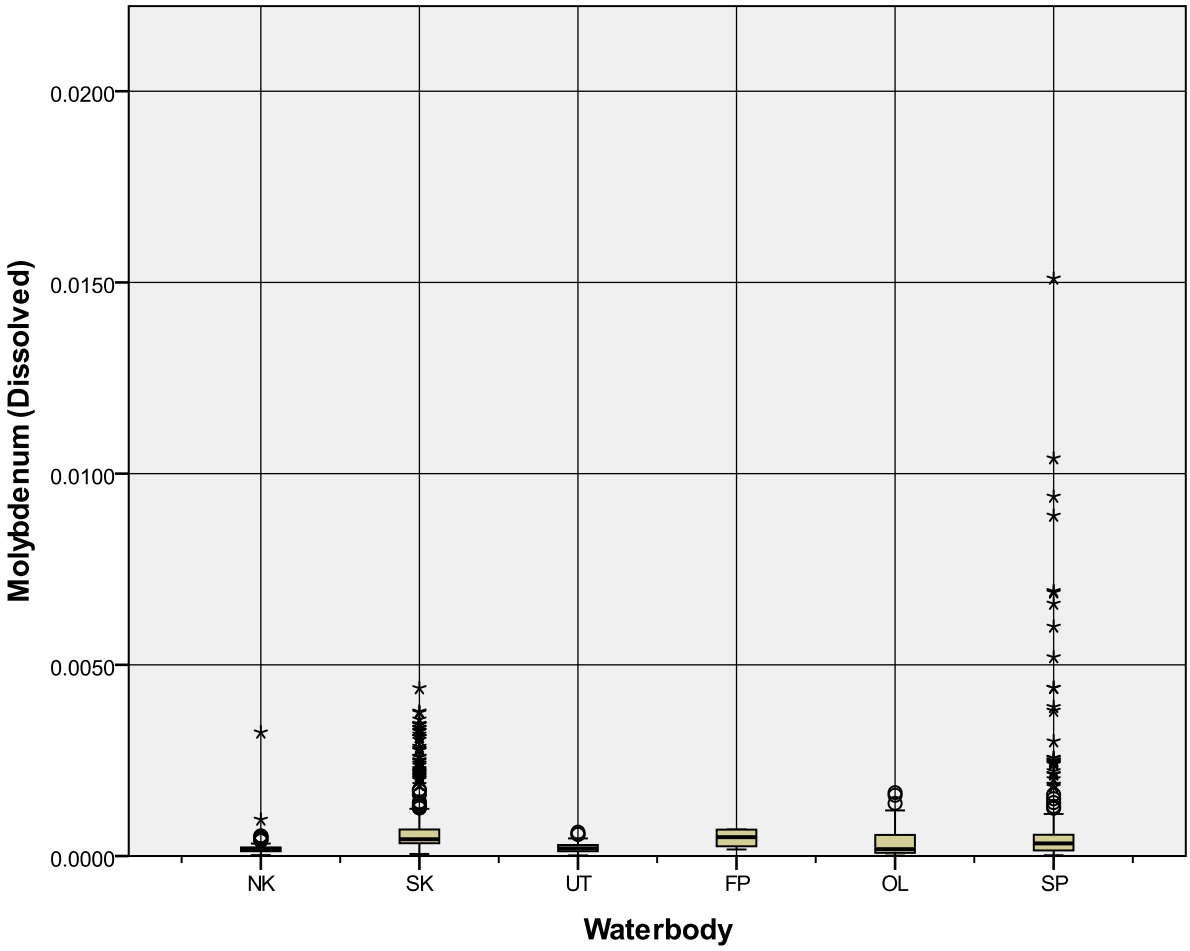

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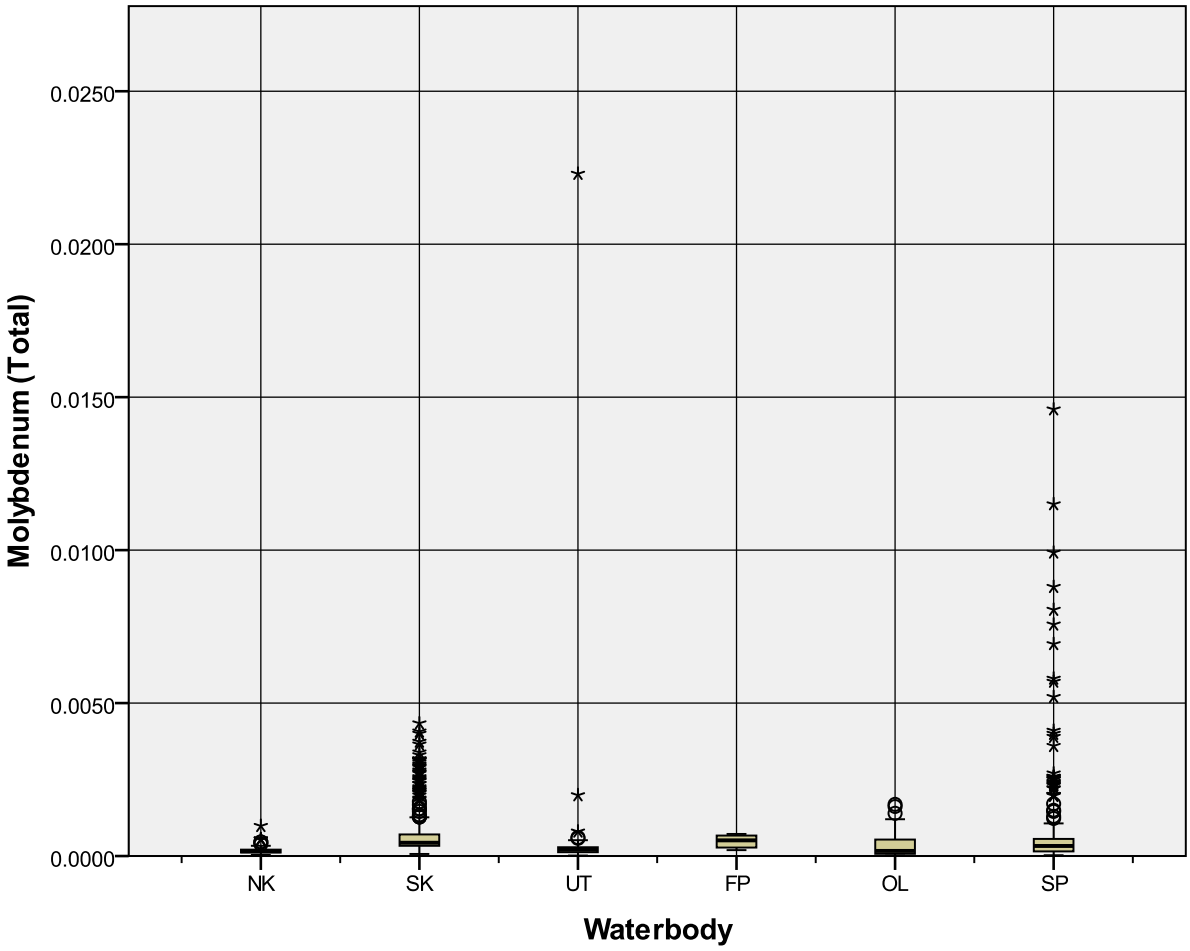

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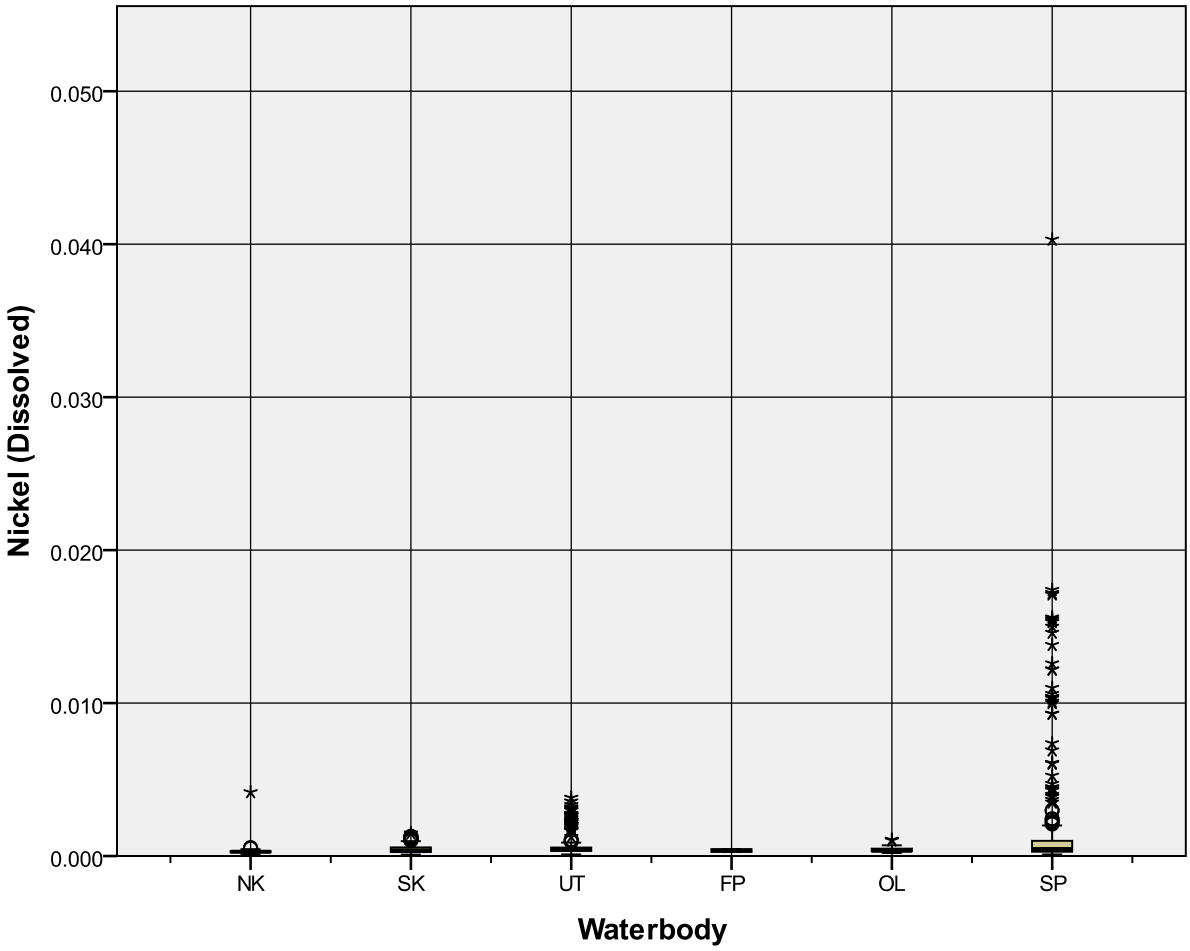

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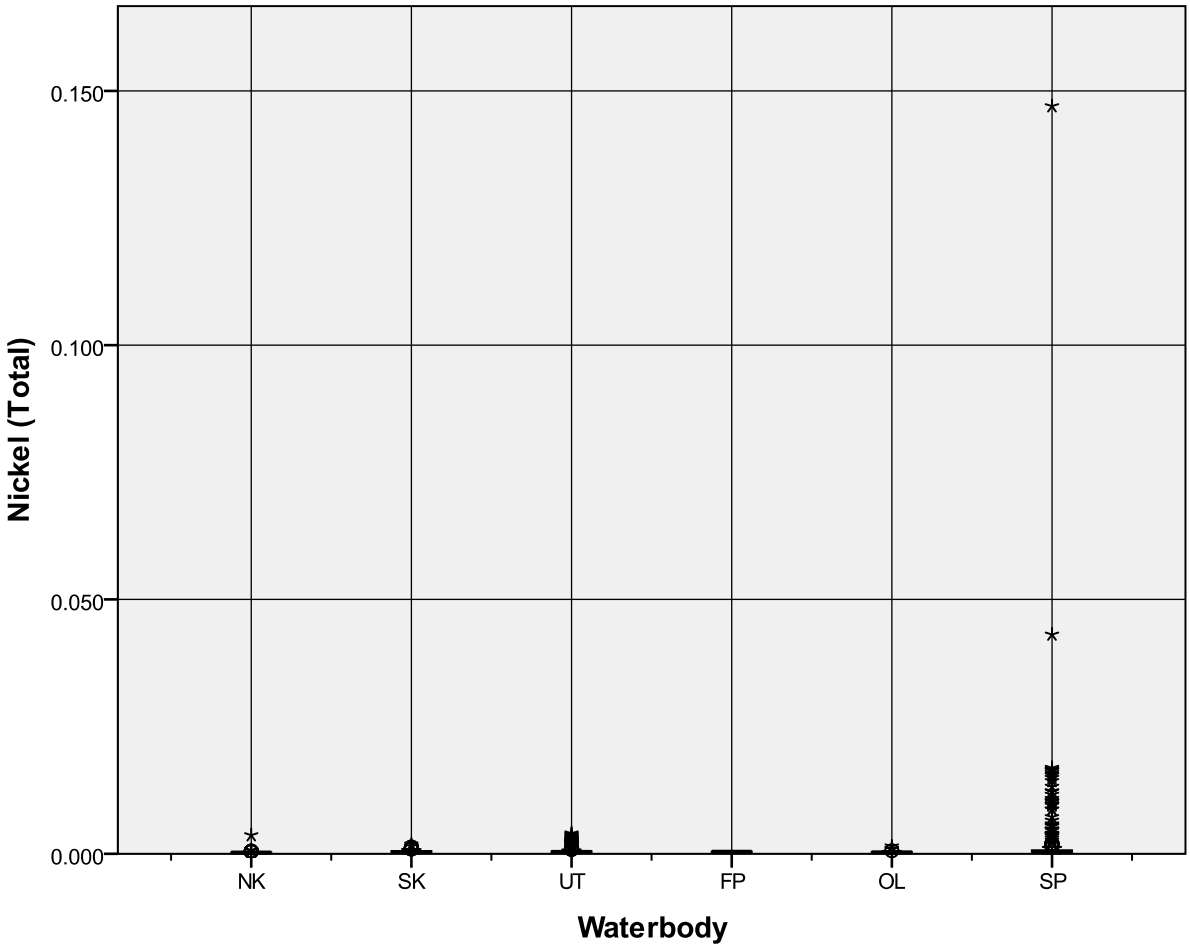

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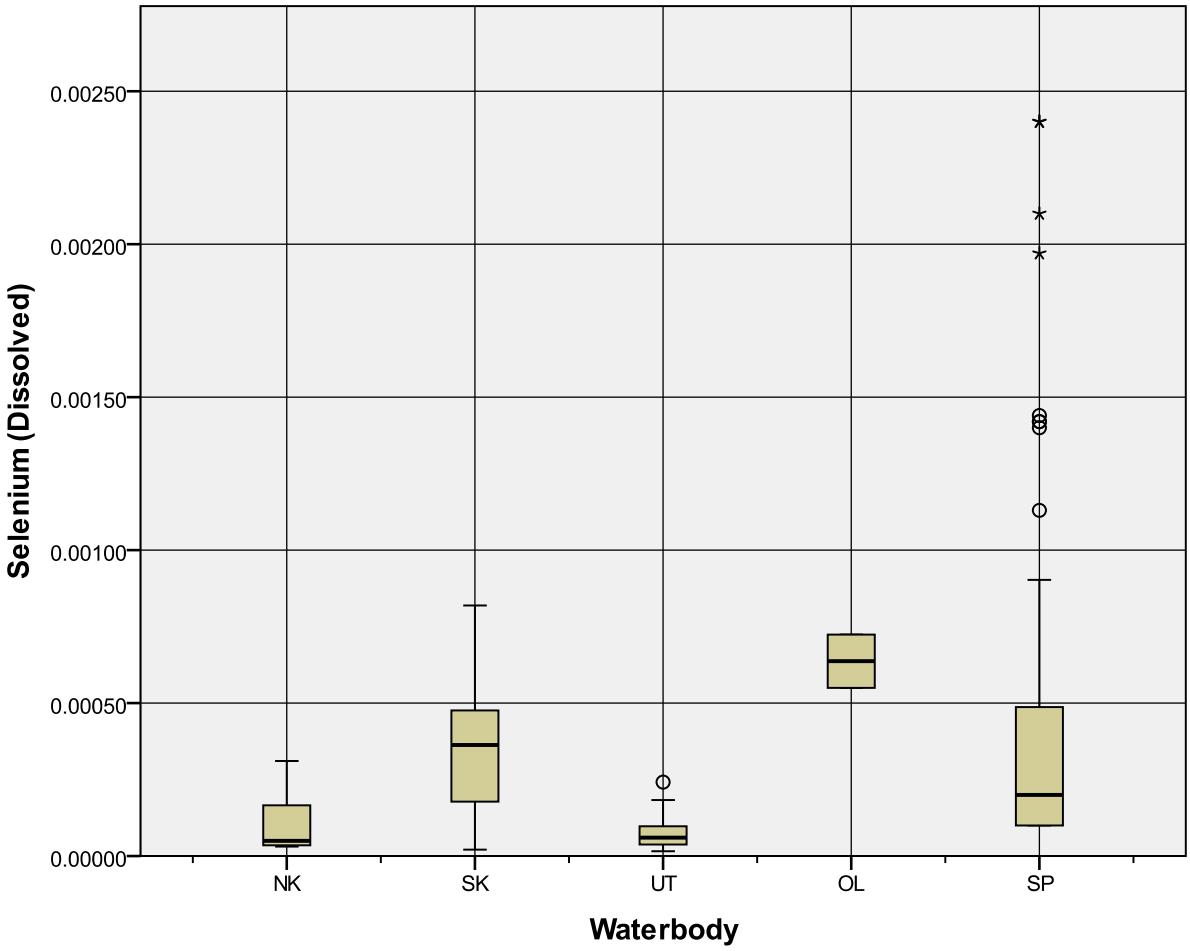

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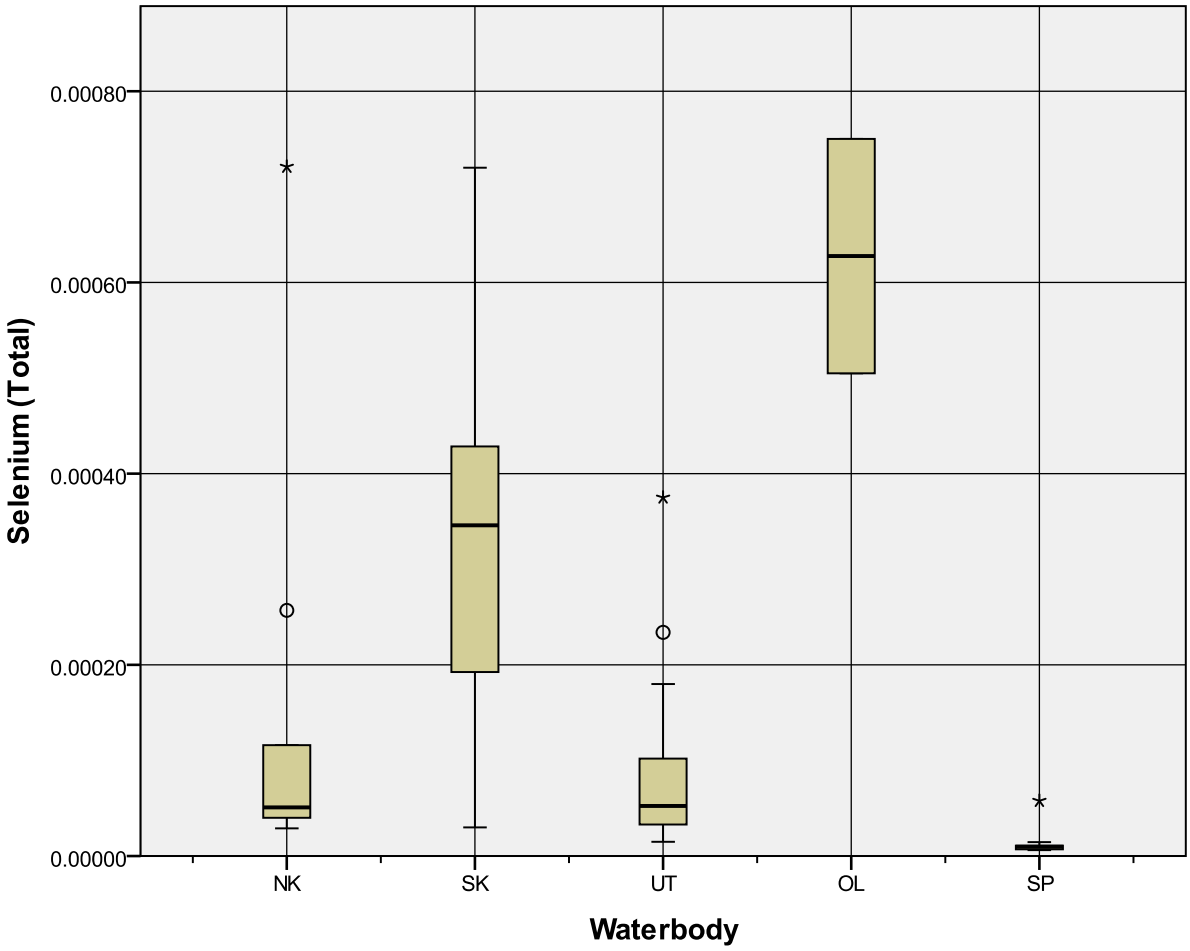

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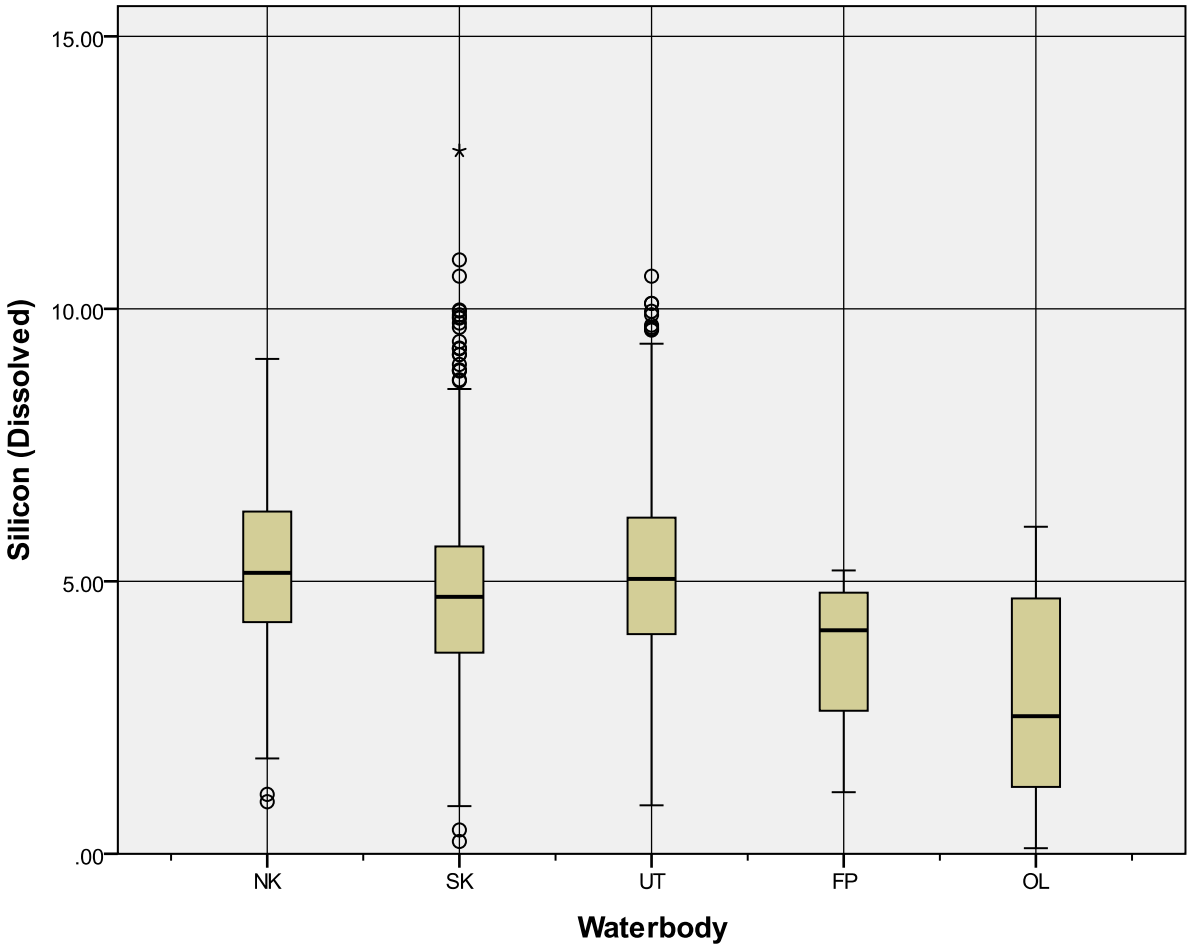

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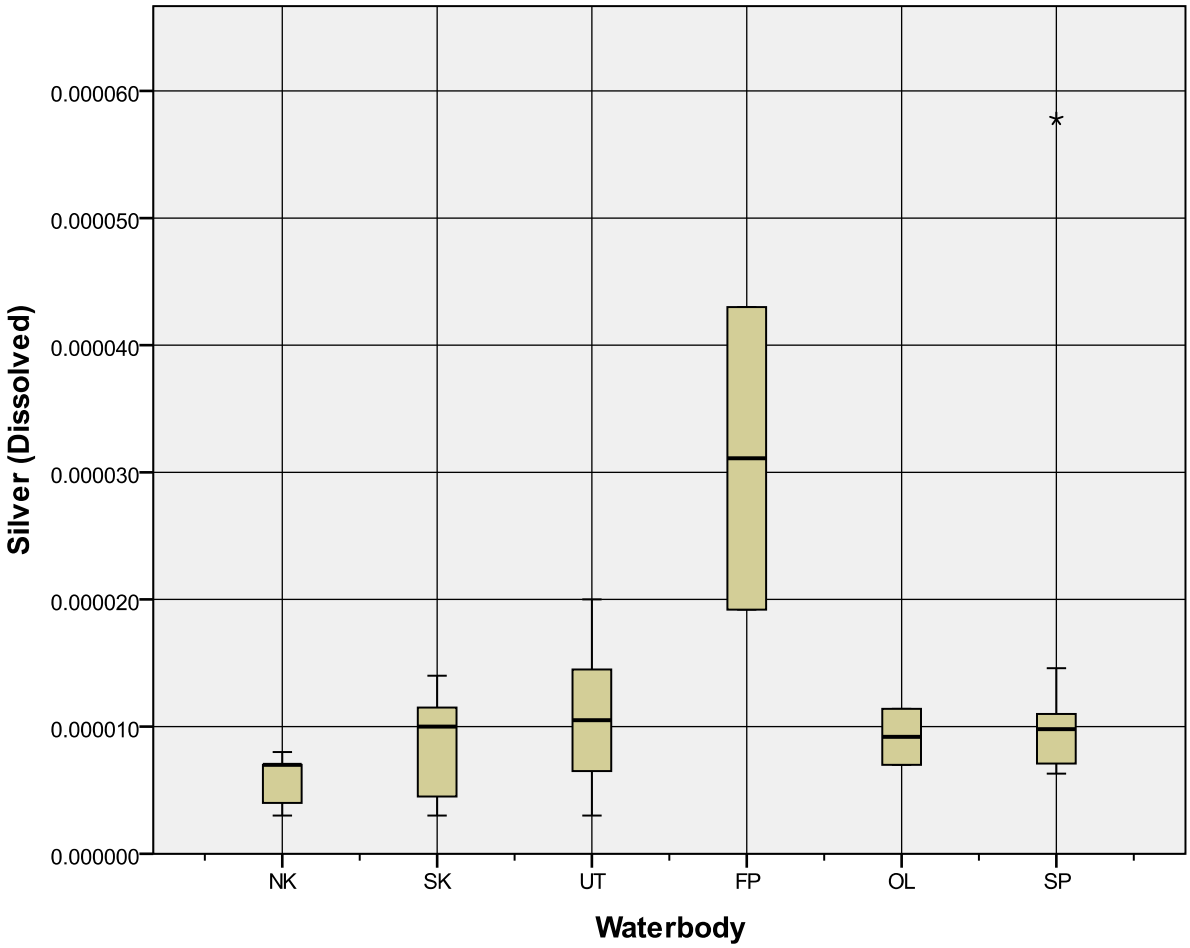

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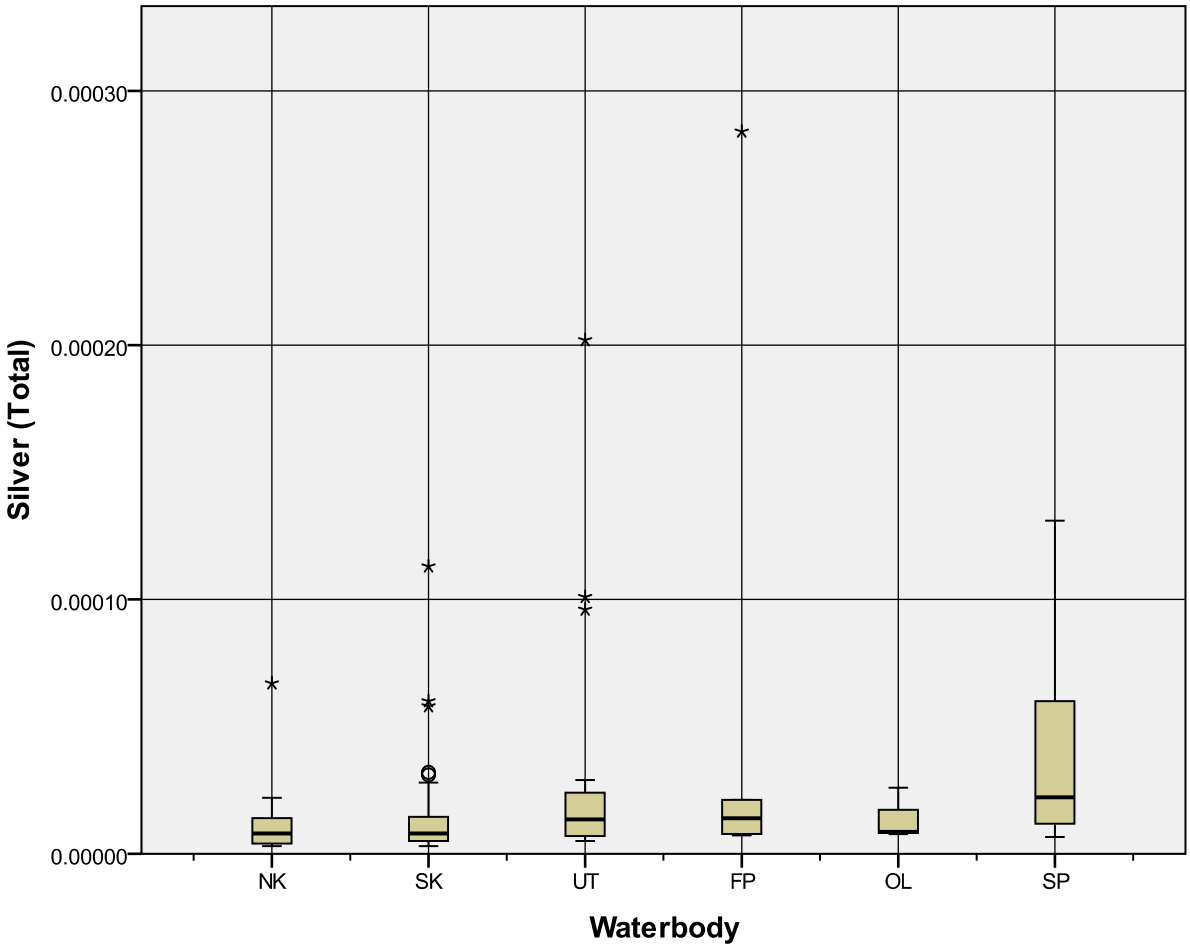

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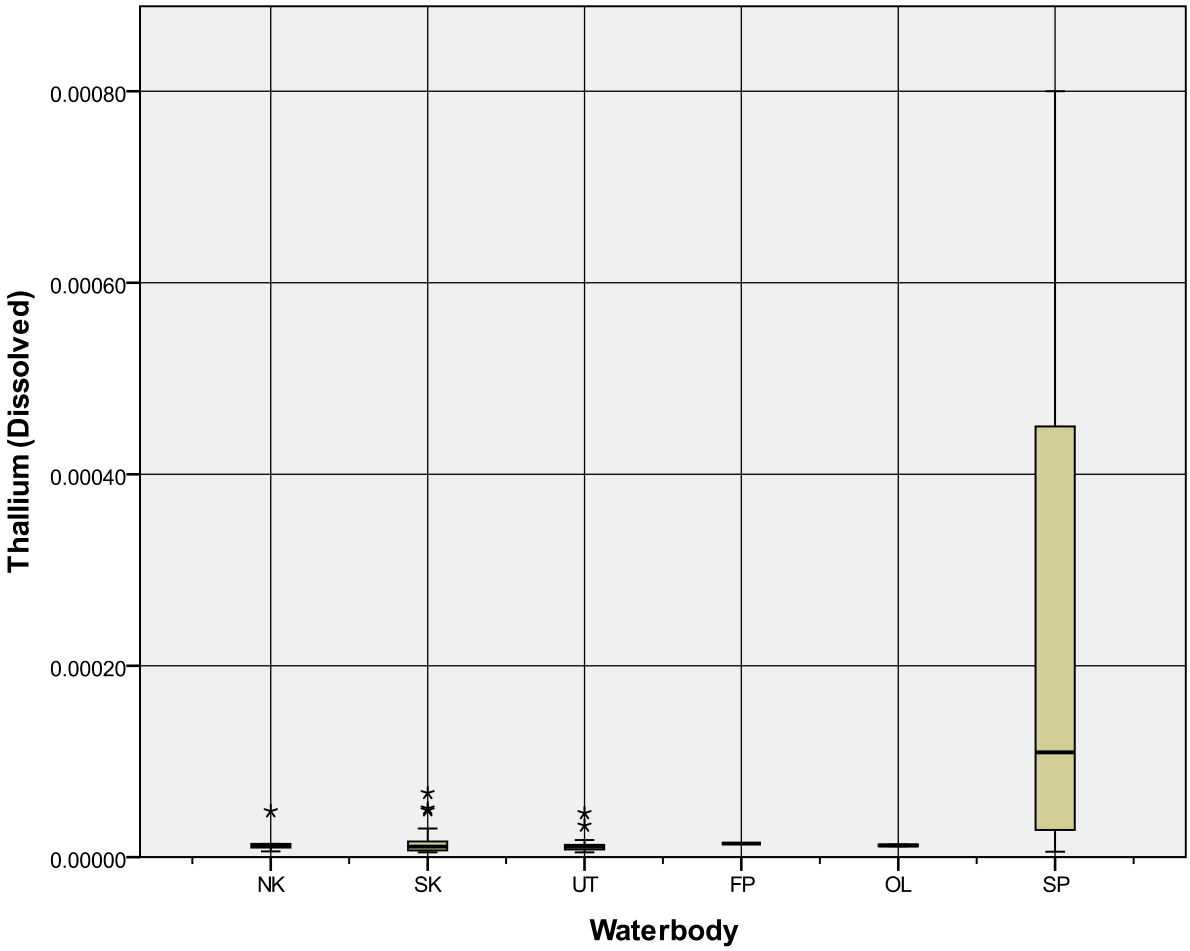

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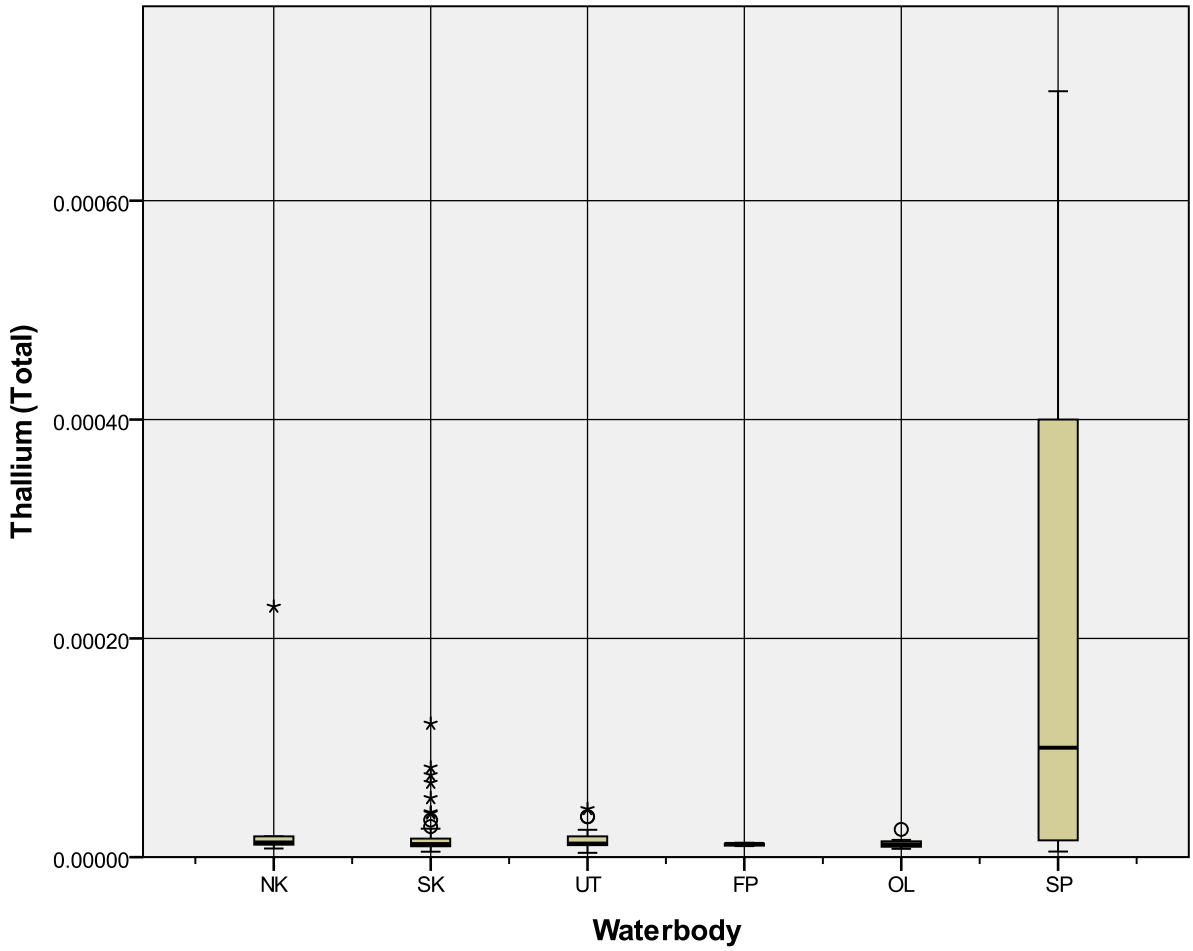

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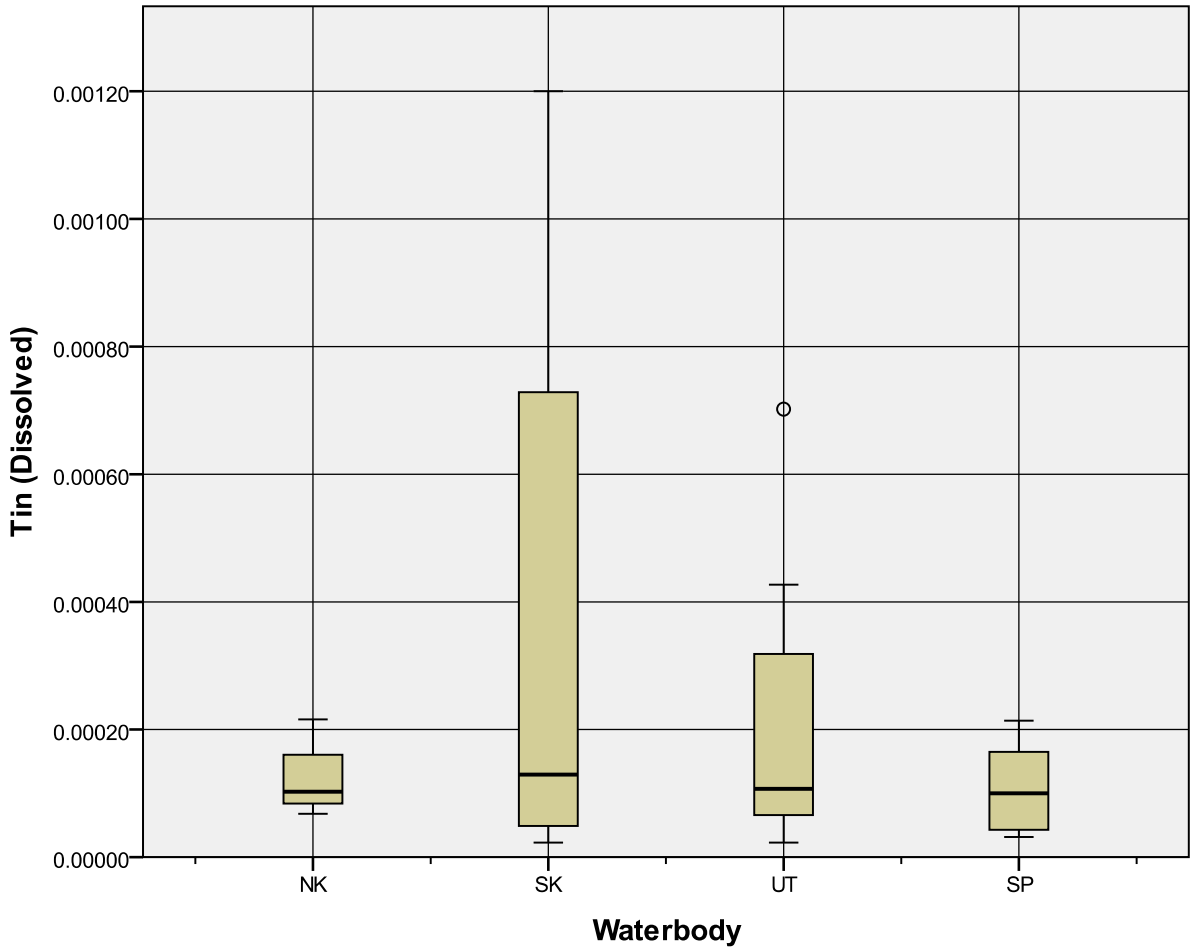

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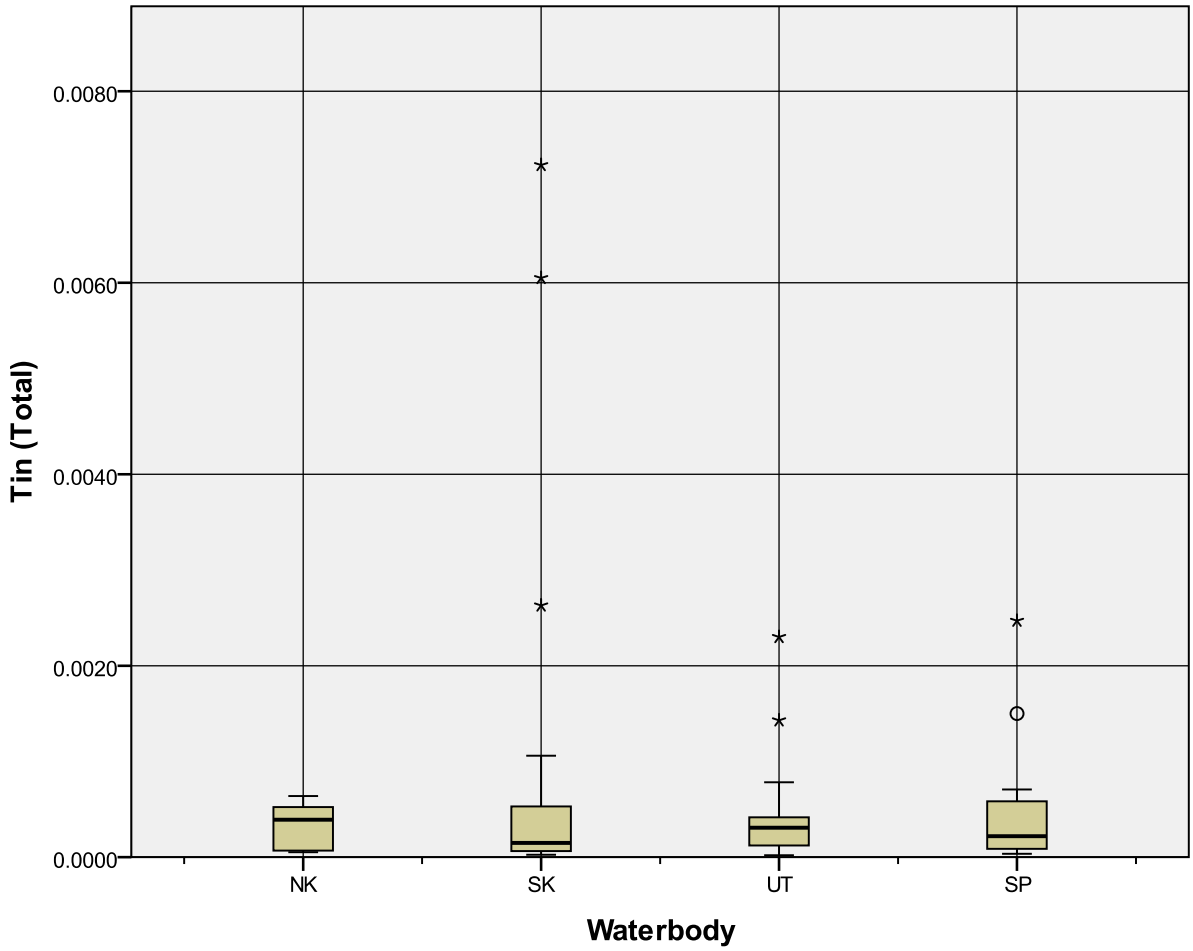

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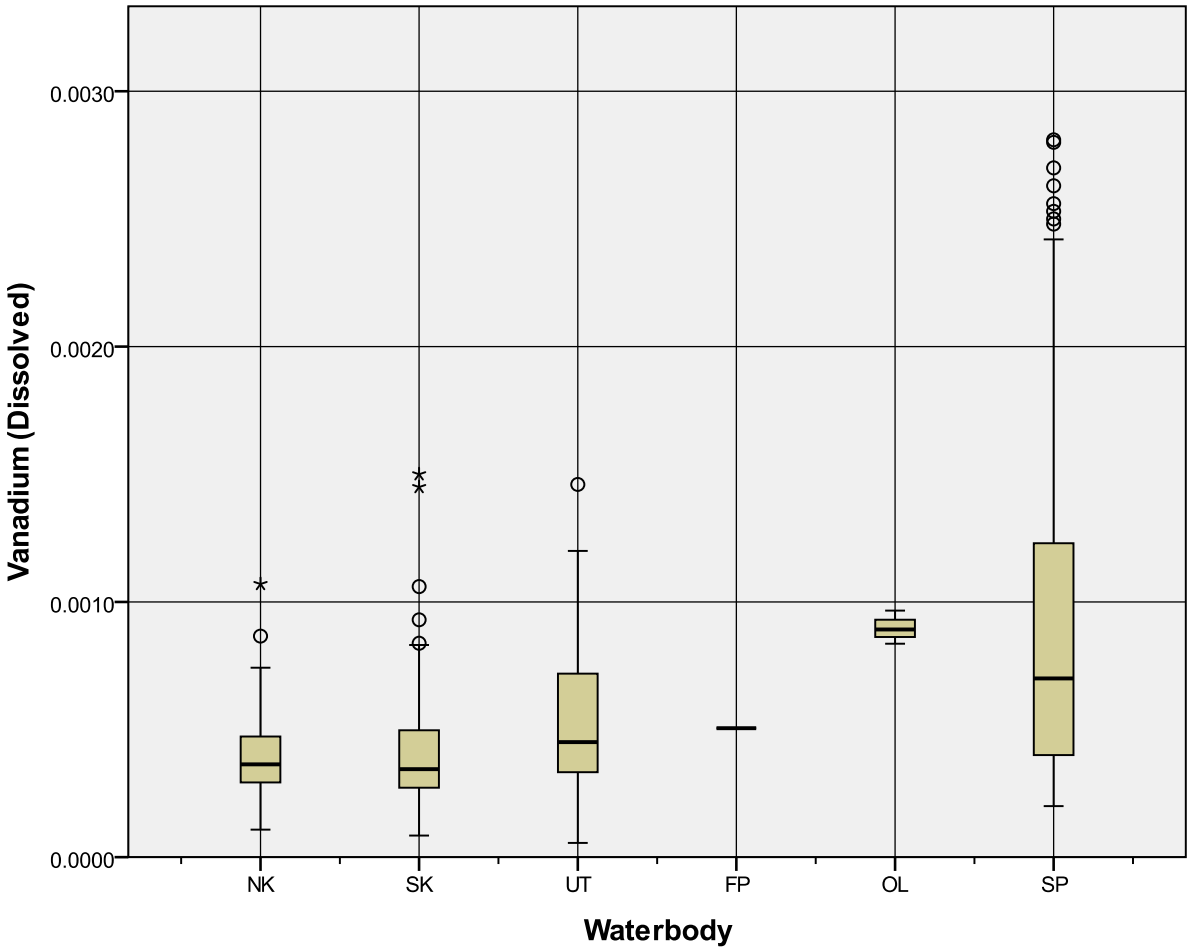

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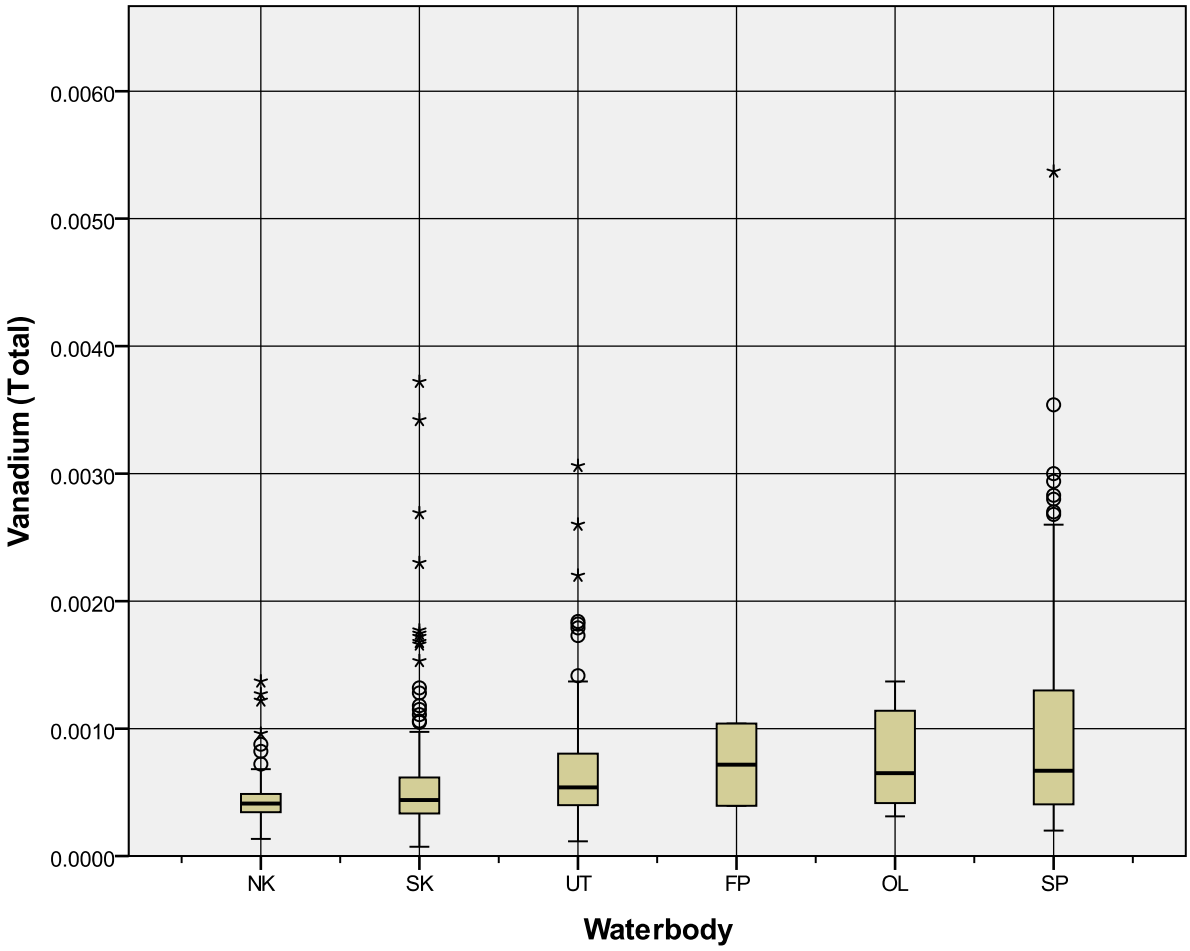

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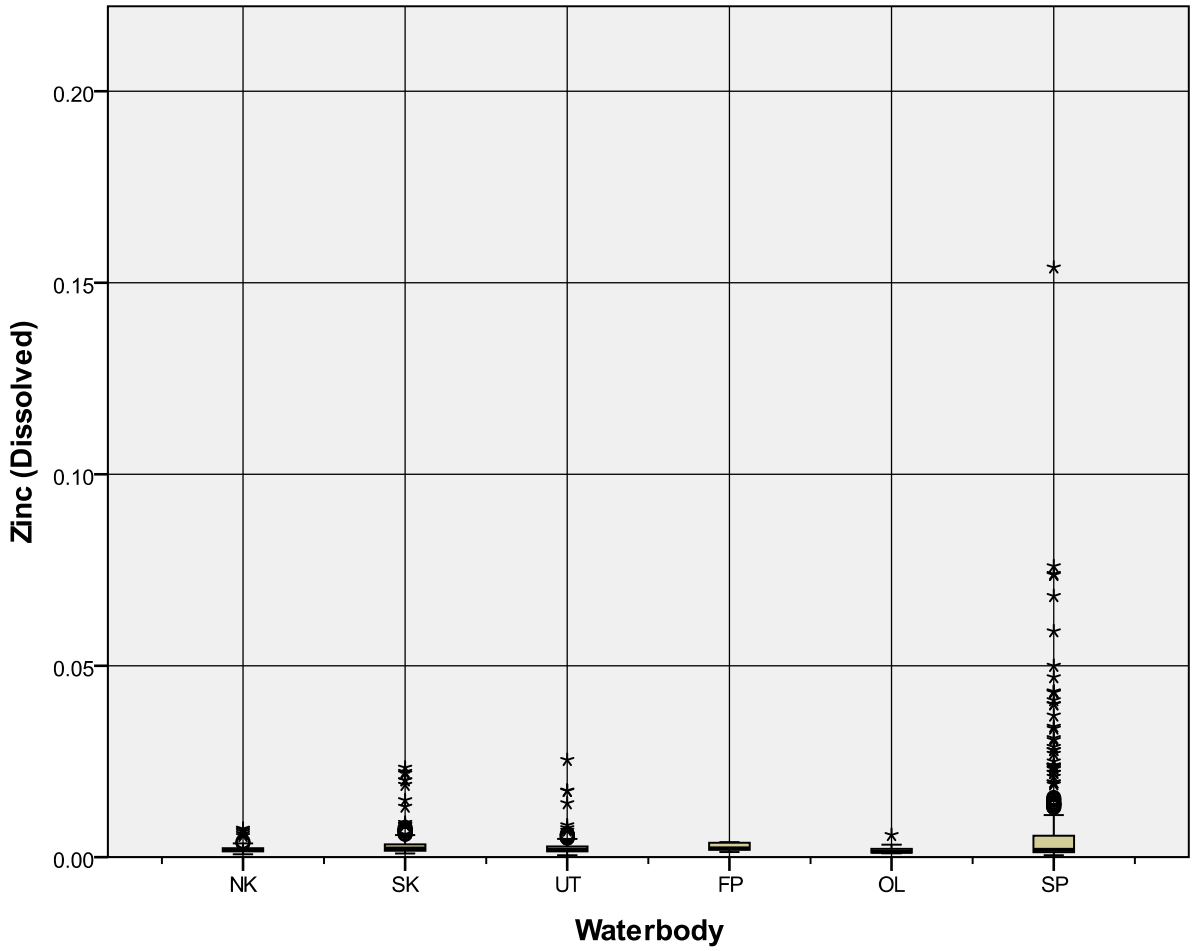

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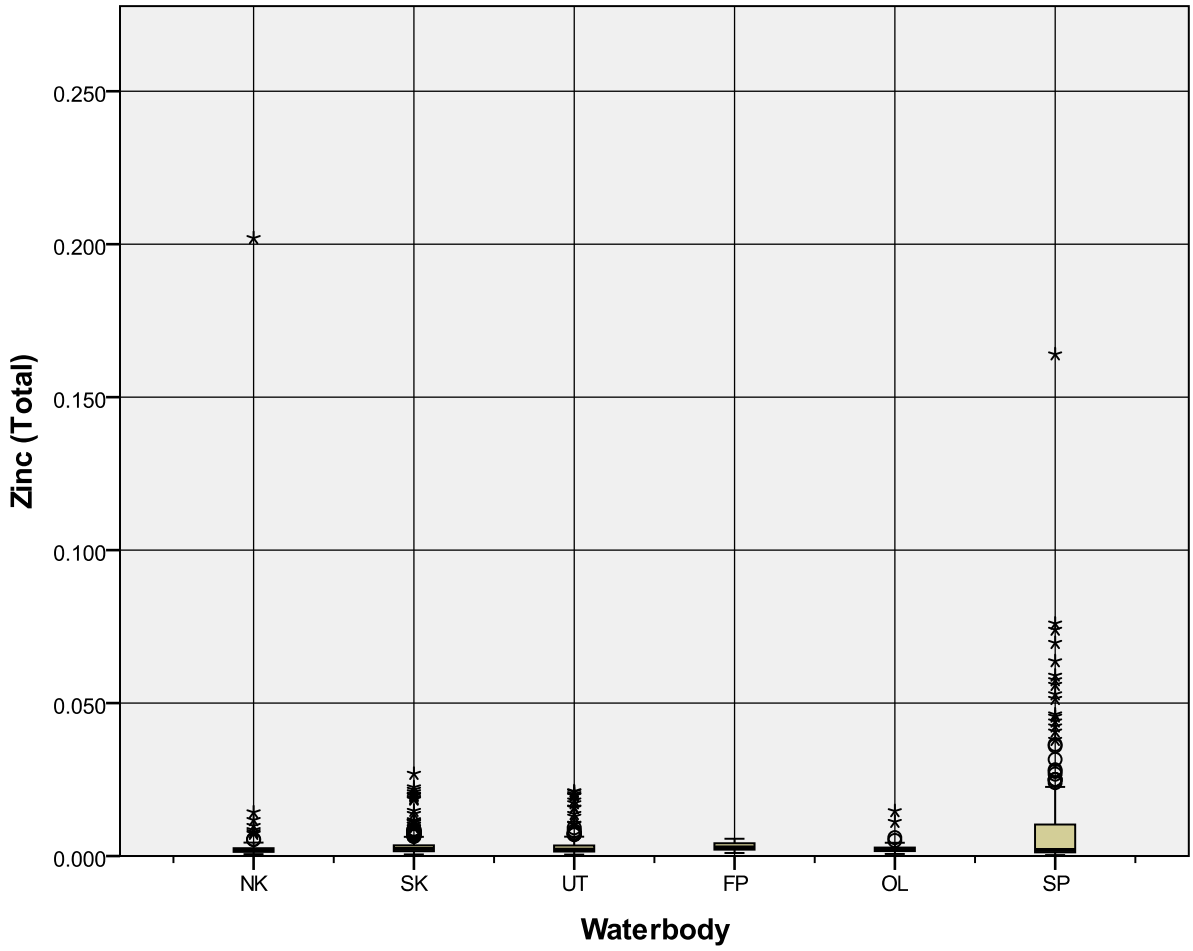

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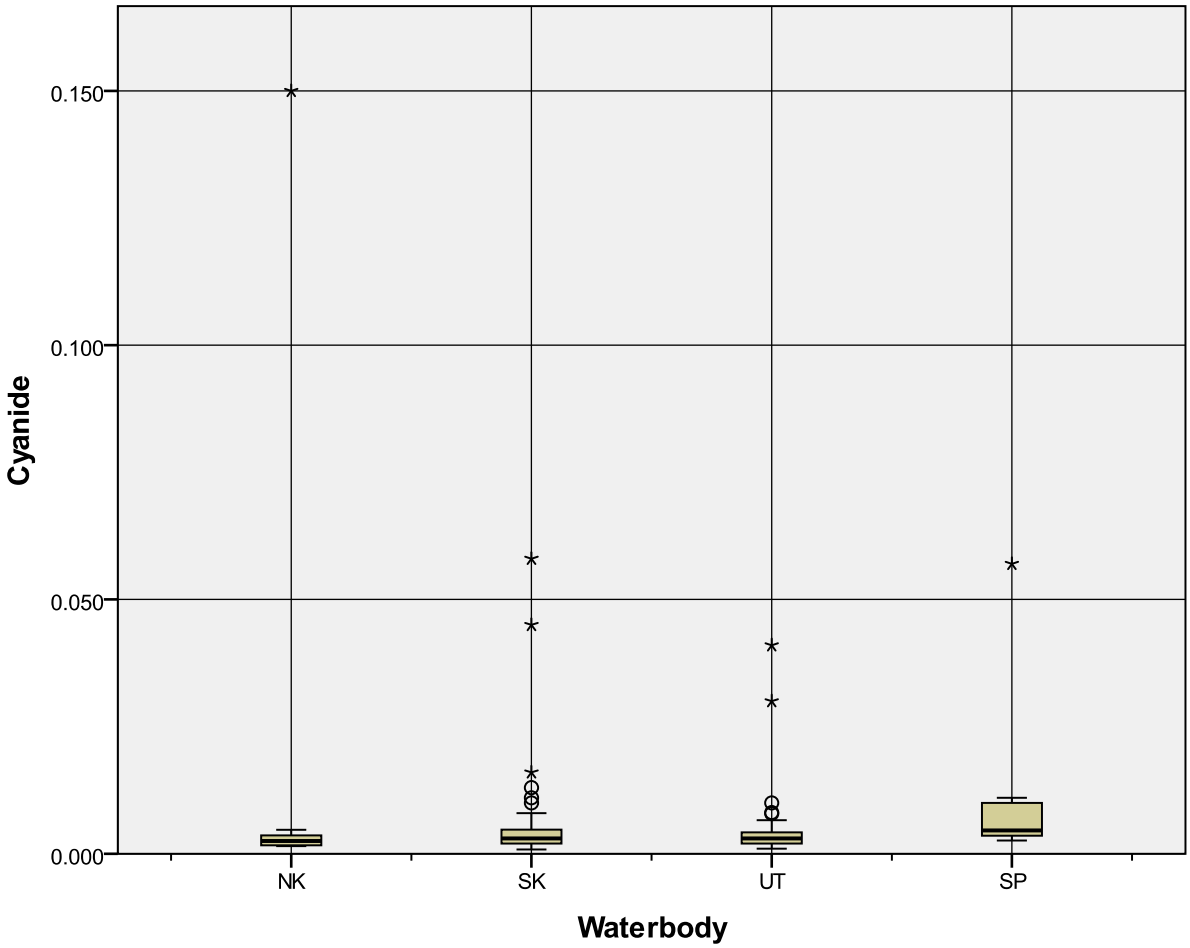

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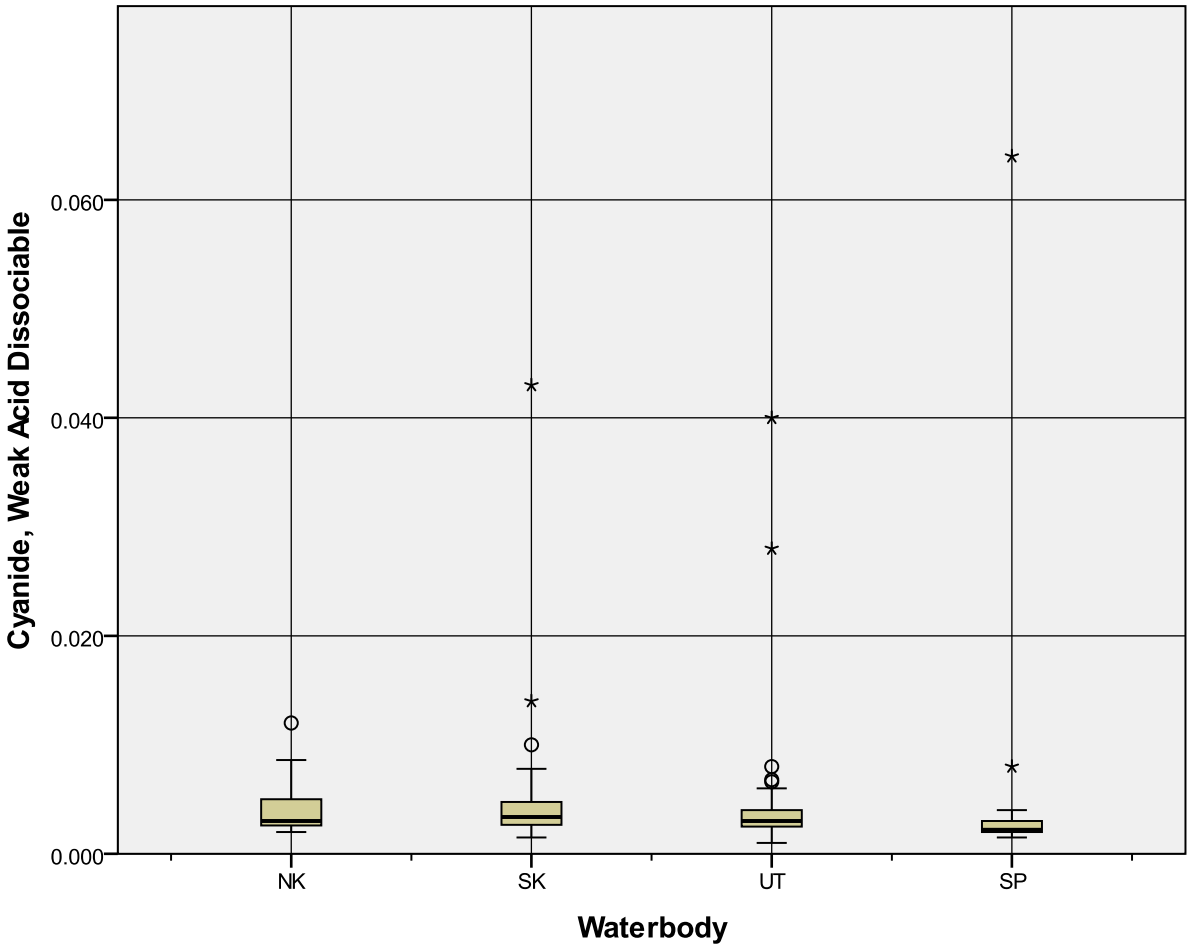

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APPENDIX 9.1L

Lakes Results Summary, Mine Study Area 2004-2008

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
28B1															
Sample Date															
07/27/06	7.38	67.1	139.0	66.80	0.790	6.68	11.04	58.0	97.5	1.53	**3.00**	20.0	**0.0505**	**0.0155**	**0.0505**
08/11/07	8.71	77.8	150.0	-16.90	2.94	7.44	10.35	64.6	108	3.81	**1.57**	17.5	0.101		
Mean	8.05	72.5	145.0	25.00	2.00	7.06	10.0	61.0	103	2.67	2.30	19.0	0.0760	0	0
Median	8.05	72.5	145.0	25.00	2.00	7.06	10.0	61.0	103	2.67	2.30	19.0	0.0760	0.0	0.1
St. Deviation	0.940	7.60	8.0	59.20	2.00	0.540	0	5.00	7.00	1.61	1.00	2.00	0	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	7.38	67.1	139	-16.90	0.790	6.68	10.35	58.0	97.5	1.53	1.57	17.5	0.0505	0.0155	0.0505
Maximum	8.71	77.8	150.0	66.80	2.94	7.44	11.04	64.6	108	3.81	3.00	20.0	0.101	0.0155	0.0505
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
28B2															
Sample Date															
07/27/06	6.70	59.7	90.0	25.90	1.85	6.54	9.90	36.0	71.2	10.3	**3.50**	30.0	**0.0155**	**0.0155**	**0.0155**
08/10/07	9.01	90.5	91.0	-59.40	2.51	7.74	15.1	38.1	65.0	1.37	**4.25**	32.2	**0.0975**		
Mean	7.90	75.1	91.0	-16.80	2	7.14	10	37.0	68.0	5.80	3.90	31.0	0.0565	0.0155	0.0155
Median	7.90	75.1	91.0	-16.80	2	7.14	10	37.0	68.0	5.80	3.90	31.0	0.0565	0.0155	0.0155
St. Deviation	1.60	21.8	1.0	60.30	0.000	0.850	0.00	1.00	4.00	6.30	0.500	2.00	0.0580	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	6.7	59.7	0.09	-59.40	1.85	6.54	9.90	36.0	65.0	1.37	3.50	30.0	0.0155	0.0155	0.0155
Maximum	9.01	90.5	91.0	25.90	2.51	7.74	15.1	38.1	71.2	10.3	4.25	32.2	0.0975	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
28B1																
Sample Date																
07/27/06	0.0315		0.652	**0.0850**	44.4	**0.00075**	**0.00075**	0.108	23.8	10.8	**0.0188**	**0.0204**	**0.155**	**0.155**	11.1	10.6
08/11/07	0.0289		0.569	**0.0440**	47.3	**0.00075**	**0.00075**	**0.0155**	58.2	14.3	**0.0376**	**0.0488**	**0.421**	**0.155**	15.4	15.0
Mean	0	NA	0.611	0.0650	45.9	0	0	0.0620	41.0	12.6	0.0282	0.0346	0.288	0.155	13.3	13.0
Median	0.0	NA	0.611	0.0650	45.9	0.0	0.0	0.0620	41.0	12.6	0.0282	0.0346	0.288	0.155	13.3	13.0
St. Deviation	0	NA	0	0	2.10	0	0	0	24.3	2.50	0.0133	0.0201	0.188	0	3.00	3.00
# of values	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0289	NA	0.569	0.0440	44.4	0.00075	0.00075	0.0155	23.8	10.8	0.0188	0.0204	0.155	0.155	11.1	10.6
Maximum	0.0315	NA	0.652	0.0850	47.3	0.00075	0.00075	0.108	58.2	14.3	0.0376	0.0488	0.421	0.155	15.4	15.0
% of values undetected	0%	NA	0%	0%	0%	100%	100%	50%	0%	0%	0%	0%	50%	100%	0%	0%
# of values between MDL and PQL	0	NA	0	2	0	0	0	0	0	0	2	2	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	6.42	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
28B2																
Sample Date																
07/27/06	0.0360		0.311	**0.0660**	14.2	**0.00075**	**0.00075**	**0.0490**	20.1	9.02	**0.0272**	**0.0228**	**0.155**	**0.155**	8.63	8.01
08/10/07	0.0464		0.229	**0.0580**	11.7	**0.00075**	**0.00075**	**0.0500**	37.8	12.3	**0.0232**	**0.0292**	**0.442**	**0.412**	5.00	5.10
Mean	0.0410	NA	0.270	0.0620	13.0	0.00075	0.00075	0.0500	29.0	10.7	0.0252	0.0260	0.299	0.284	6.80	6.60
Median	0.0410	NA	0.270	0.0620	13.0	0.00075	0.00075	0.0500	29.0	10.7	0.0252	0.0260	0.299	0.284	6.80	6.60
St. Deviation	0.00700	NA	0.0580	0.00600	1.80	0	0	0	12.5	2.30	0.0028	0.00450	0.203	0.182	2.60	2.10
# of values	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0360	NA	0.229	0.0580	11.7	0.00075	0.00075	0.0490	20.1	9.02	0.0232	0.0228	0.155	0.155	5.00	5.10
Maximum	0.0464	NA	0.311	0.0660	14.2	0.00075	0.00075	0.0500	37.8	12.3	0.0272	0.0292	0.442	0.412	8.63	8.01
% of values undetected	0%	NA	0%	0%	0%	100%	100%	50%	0%	0%	0%	0%	50%	50%	0%	0%
# of values between MDL and PQL	0	NA	0	2	0	0	0	1	0	0	2	2	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	6.57	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
28B1																		
Sample Date																		
07/27/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	17000	14500	0.351	0.255	0.138	0.123	0.930	0.915	402	115
08/11/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.58**	**1.25**	**0.0075**	**0.0075**	18200	18000	0.390	0.333	0.233	0.189	1.65	1.09	539	229
Mean	0.0125	0.0125	0	0	1.92	1.25	0	0	17600	16300	0.370	0.294	0.186	0.156	1.29	1.00	471	172
Median	0.0125	0.0125	0.0075	0.0075	1.92	1.25	0.0130	0.0130	17600	16300	0.370	0.294	0.186	0.156	1.29	1.00	471	172
St. Deviation	0	0	0	0	0.940	0	0	0	800	2500	0	0	0	0	0.510	0	97	81
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	17000	14500	0.351	0.255	0.138	0.123	0.93	0.915	402	115
Maximum	0.0125	0.0125	0.0075	0.0075	2.58	1.25	0.0185	0.0185	18200	18000	0.390	0.333	0.233	0.189	1.65	1.09	539	229
% of values undetected	100%	100%	100%	100%	50%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.182	0.169	NA	NA	10.98	10.56276	NA	NA	5.886	5.650	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
28B2																		
Sample Date																		
07/27/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9870	9070	0.550	0.366	0.258	0.230	0.813	0.596	1090	441
08/10/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10400	11000	0.452	0.360	0.232	0.200	1.07	0.879	1290	573
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	10140	10000	0.500	0.360	0.245	0.200	0.940	0.738	1190	507
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	10140	10000	0.500	0.360	0.245	0.200	0.940	0.738	1190	507
St. Deviation	0	0	0	0	0	0	0.00780	0.00780	370	1400	0.0700	0	0.0180	0	0.180	0.200	140	93
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9870	9070	0.452	0.360	0.232	0.200	0.813	0.596	1090	441
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	10400	11000	0.550	0.366	0.258	0.230	1.07	0.879	1290	573
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.127	0.121	NA	NA	10.98	10.56276	NA	NA	3.906	3.750	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
28B1																
Sample Date																
07/27/06	0.228	0.145	3800	3430	60	50.4	**0.000475**	0.891	0.833	0.565	0.700	830	709	**0.505**	**0.550**	4850
08/11/07	**0.0770**	**0.0155**	4650	4480	140	123	**0.000792**	1.40	1.38	0.588	0.551	826	851	**0.750**	**0.724**	6000
Mean	0.153	0.0800	4230	3960	100	87	0.000633	1.15	1.11	0.577	0.630	828	780	0.630	0.640	5400
Median	0.153	0.0800	4230.0	3960.0	100	87	0.000633	1.15	1.11	0.577	0.630	828	780	0.630	0.640	5400
St. Deviation	0.107	0.0920	600	740	56	51	0.000225	0	0	0	0.110	3.00	100	0.170	0.120	800
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.077	0.0155	3800	3430	60	50.4	0.000475	0.891	0.833	0.565	0.551	826	709	0.505	0.550	4850
Maximum	0.228	0.145	4650	4480	140	123	0.000792	1.4	1.38	0.588	0.700	830	851	0.750	0.724	6000
% of values undetected	0%	50%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	1	0	0	0	0	0	1	0	0	0	0	0	0	2	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	1.602	1.393	NA	NA	NA	NA	0.012	NA	NA	33.06	32.96	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
28B2																
Sample Date																
07/27/06	0.169	**0.0500**	2760	2600	168	169	**0.00250**	1.33	1.22	0.550	0.609	382	363	**0.155**	**0.155**	4980
08/10/07	**0.0155**	**0.0155**	2920	3100	176	170	**0.00140**	1.62	1.66	0.459	0.462	447	488	**0.155**	**0.155**	5630
Mean	0.0920	0.0330	2840	2900	172	170	0.00200	1.48	1.44	0.500	0.536	415	426	0.155	0.155	5310
Median	0.0920	0.0330	2840	2900	172	170	0.00200	1.48	1.44	0.500	0.536	415	426	0.155	0.155	5310
St. Deviation	0.109	0.0240	110	400	6	1	0.000800	0.210	0.310	0.0600	0.104	46.0	88.0	0	0	460
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0155	0.0155	2760	2600	168	169	0.00140	1.33	1.22	0.459	0.462	382	363	0.155	0.155	4980
Maximum	0.169	0.0500	2920	3100	176	170	0.00250	1.62	1.66	0.550	0.609	447	488	0.155	0.155	5630
% of values undetected	50%	100%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.870	0.817	NA	NA	NA	NA	0.012	NA	NA	22.03	21.97	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
28B1												
Sample Date												
07/27/06	**0.0031**	**0.0031**	4820	4120	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.20	
08/11/07	**0.0031**	**0.0031**	5320	5140	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.370**	**0.155**	2.39	1.42
Mean	0.0031	0.0031	5070	4630	0.0050	0.0050	0.050	0.050	0.310	0.200	2.30	1.42
Median	0.0031	0.0031	5070	4630	0.0050	0.0050	0.050	0.050	0.310	0.200	2.30	1.42
St. Deviation	0	0	350	720	0	0	0	0	0	0	0	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	1
Minimum	0.0031	0.0031	4820	4120	0.005	0.0050	0.050	0.050	0.250	0.155	2.2	1.42
Maximum	0.0031	0.0031	5320	5140	0.005	0.0050	0.050	0.050	0.370	0.250	2.39	1.42
% of values undetected	100%	100%	0%	0%	100%	100%	100%	100%	50%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	1.605958	1.365	NA	NA	NA	NA	NA	NA	NA	NA	75.89	74.82
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
28B2												
Sample Date												
07/27/06	**0.0080**	**0.0031**	3320		**0.0178**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.98	1.57
08/10/07	**0.0031**	**0.0031**	3630	3900	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.55	1.53
Mean	0.0060	0.0031	3480	3900	0.011	0.0050	0.050	0.050	0.200	0.200	1.77	1.55
Median	0.0060	0.0031	3480	3900	0.011	0.0050	0.050	0.050	0.200	0.200	1.77	1.55
St. Deviation	0.0030	0	220	NA	0.0090	0	0	0	0.0700	0.0700	0.300	0.030
# of values	2	2	2	1	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	3320	3900	0.0050	0.0050	0.0500	0.0500	0.155	0.155	1.55	1.53
Maximum	0.0080	0.0031	3630	3900	0.0178	0.0050	0.0500	0.0500	0.250	0.250	1.98	1.57
% of values undetected	50%	100%	0%	0%	50%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	1	0	0	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.7037458	0.598	NA	NA	NA	NA	NA	NA	NA	NA	50.54	49.83
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
335133															
Sample Date															
08/30/06	8.86	81.4	70.0	83.50	7.20	7.59	11.53	20.5	75.0	6.92	**1.57**	44.0	**0.0155**	**0.0155**	**0.0155**
08/12/07	2.84	29.8	108.0	-42.70	3.87	7.18	17.58	23.8	68.8	1.70	**1.57**	54.8	**0.0155**		
Mean	5.85	55.6	89.0	20.40	6.00	7.39	10	22.2	72.0	4.30	1.57	49.0	0.0155	0.0155	0.0155
Median	5.85	55.6	89.0	20.40	6.00	7.39	10	22.2	72.0	4.30	1.57	49.0	0.0155	0.0155	0.0155
St. Deviation	4.26	36.5	27.0	89.20	2.00	0.290	0.000	2.30	4.00	3.70	0	8.00	0	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	2.84	29.8	70	-42.7	3.87	7.18	11.53	20.5	68.8	1.7	1.57	44	0.0155	0.0155	0.0155
Maximum	8.86	81.4	108.0	83.5	7.20	7.59	17.58	23.8	75.0	6.92	1.57	54.8	0.0155	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BLACK															
Sample Date															
08/15/06	10.8	98.6	67.0	203.8	5.17	7.63	10.8	23.2	60.0	5.60	**1.57**	26.0	**0.0155**	**0.0155**	**0.0155**
08/18/07	9.41	88.1	710.0	-32.20	2.10	7.44	12.3	26.9	36.3	5.24	**1.57**	29.5	0.109		
Mean	10.1	93.4	389.0	85.80	4.00	7.54	10	25.1	48.0	5.40	1.57	28.0	0.0620	0.0155	0.0155
Median	10.1	93.4	389.0	85.80	4.00	7.54	10	25.1	48.0	5.40	1.57	28.0	0.0620	0.0155	0.0155
St. Deviation	1.00	7.40	455.0	166.9	2.00	0.130	0.00	2.60	17.0	0.300	0	2.00	0.0660	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	9.41	88.1	67.0	-32.20	2.10	7.44	10.8	23.2	36.3	5.24	1.57	26	0.0155	0.0155	0.0155
Maximum	10.8	98.6	710.0	203.8	5.17	7.63	12.3	26.9	60.0	5.60	1.57	29.5	0.109	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	50%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
335133																
Sample Date																
08/30/06	0.0440	**0.0600**	**0.0980**	**0.0340**	0.503	**0.00075**	**0.00075**	**0.0155**	148	43.5	**0.0075**	**0.0075**	0.924	0.614	8.22	6.31
08/12/07	0.0478		**0.0600**	**0.0460**	**0.0890**	**0.00075**	**0.00075**	**0.0403**	54.7	30.0	**0.0290**	**0.0330**	1.08	0.991	6.58	5.54
Mean	0.0460	0.0600	0.0800	0.0400	0.296	0.00075	0.00075	0.0279	101	37.0	0.018	0.0200	1.00	0.803	7.40	5.93
Median	0.0460	0.0600	0.0800	0.0400	0.296	0.00075	0.00075	0.0279	101	37.0	0.018	0.0200	1.00	0.803	7.40	5.93
St. Deviation	0.00300	NA	0.0300	0.00800	0.293	0	0	0.0175	66.0	10.0	0.015	0.0180	0.110	0.267	1.16	0.540
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0440	0.06	0.06	0.034	0.089	0.00075	0.00075	0.0155	54.7	30	0.0075	0.0075	0.924	0.614	6.58	5.54
Maximum	0.0478	0.06	0.098	0.046	0.503	0.00075	0.00075	0.0403	148	43.5	0.029	0.033	1.08	0.991	8.22	6.31
% of values undetected	0%	0%	0%	0%	0%	100%	100%	50%	0%	0%	50%	50%	0%	0%	0%	0%
# of values between MDL and PQL	0	1	2	2	1	0	0	1	0	0	1	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	5.39	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BLACK																
Sample Date																
08/15/06	0.0310		0.622	**0.0480**	6.38	**0.00075**	**0.00075**	**0.0155**	18.6	3.22	**0.0075**	**0.0075**	0.913	**0.488**	3.14	2.30
08/18/07	0.0238		0.438	**0.0410**	7.04	**0.00075**	**0.00075**	**0.0155**	128	5.28	**0.0328**	**0.0324**	1.27	0.706	4.50	2.26
Mean	0.0270	NA	0.530	0.0450	6.71	0.00075	0.00075	0.0155	73.0	4.25	0.0202	0.0200	1.09	0.597	3.80	2.30
Median	0.0270	NA	0.530	0.0450	6.71	0.00075	0.00075	0.0155	73.0	4.25	0.0202	0.0200	1.09	0.597	3.80	2.30
St. Deviation	0.00500	NA	0.130	0.00500	0.470	0	0	0	77.0	1.46	0.0179	0.0176	0.250	0.154	1.00	0
# of values	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0238	NA	0.438	0.041	6.38	0.00075	0.00075	0.0155	18.6	3.22	0.0075	0.0075	0.913	0.488	3.14	2.26
Maximum	0.0310	NA	0.622	0.048	7.04	0.00075	0.00075	0.0155	128	5.28	0.0328	0.0324	1.27	0.706	4.50	2.30
% of values undetected	0%	NA	0%	0%	0%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%
# of values between MDL and PQL	0	NA	0	2	0	0	0	0	0	0	1	1	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	4.55	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
335133																		
Sample Date																		
08/30/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5220	5030	0.982	0.882	0.293	0.211	0.796	0.776	2150	1450
08/12/07	**0.0456**	**0.0125**	**0.0075**	**0.0075**	**2.84**	**1.25**	**0.0075**	**0.0075**	5960	5530	0.587	0.407	0.467	0.381	2.46	0.775	1920	1440
Mean	0.0291	0.0125	0.0075	0.0075	2.05	1.25	0.0130	0.0130	5590	5280	0.785	0.645	0.380	0.296	1.63	0.776	2040	1450
Median	0.0291	0.0125	0.0075	0.0075	2.05	1.25	0.0130	0.0130	5590	5280	0.785	0.645	0.380	0.296	1.63	0.776	2040	1450
St. Deviation	0.0234	0	0	0	1.12	0	0.00780	0.00780	520	350	0.279	0.336	0.123	0.120	1.18	0.001	160	10
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5220	5030	0.587	0.407	0.293	0.211	0.796	0.775	1920	1440
Maximum	0.0456	0.0125	0.0075	0.0075	2.84	1.25	0.0185	0.0185	5960	5530	0.982	0.882	0.467	0.381	2.46	0.776	2150	1450
% of values undetected	50%	100%	100%	100%	50%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.084	0.082	NA	NA	10.98	10.56276	NA	NA	2.425	2.328	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	100%	100%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BLACK																		
Sample Date																		
08/15/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6230	5780	**0.100**	**0.100**	0.0748	0.0394	0.497	0.505	137	24
08/18/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7520	7150	0.393	0.230	0.163	0.0400	0.542	0.381	358	53
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	6880	6470	0.250	0.200	0.119	0.0400	0.520	0.443	248	39
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	6880	6470	0.250	0.200	0.119	0.0400	0.520	0.443	248	39
St. Deviation	0	0	0	0	0	0	0.00780	0.00780	910	970	0.210	0.100	0.0620	0	0.0320	0.0880	156	20
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6230	5780	0.100	0.100	0.0748	0.0394	0.497	0.381	137	24
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	7520	7150	0.393	0.230	0.163	0.0400	0.542	0.505	358	53
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.092	0.089	NA	NA	10.98	10.56276	NA	NA	2.695	2.587	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
335133																
Sample Date																
08/30/06	0.276	0.172	1820	1710	29.9	14.1	**0.00242**	0.255	0.238	0.963	1.07	88.6	85.7	**0.155**	**0.155**	1570
08/12/07	**0.0574**	0.148	2170	2020	36.3	23.6	**0.00136**	0.314	0.285	0.863	1.02	**25.0**	69.5	**0.155**	**0.155**	1130
Mean	0.167	0.160	2000	1870	33.1	18.9	0.00189	0.285	0.262	0.913	1.05	57.0	77.6	0.155	0.155	1350
Median	0.167	0.160	2000	1870	33.1	18.9	0.00189	0.285	0.262	0.913	1.05	57.0	77.6	0.155	0.155	1350
St. Deviation	0.155	0.0170	250	220	4.50	6.70	0.000750	0.0420	0.0330	0.0710	0.0400	45.0	11.5	0	0	310
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0574	0.148	1820	1710	29.9	14.1	0.00136	0.255	0.238	0.863	1.02	25	69.5	0.155	0.155	1130
Maximum	0.276	0.172	2170	2020	36.3	23.6	0.00242	0.314	0.285	0.963	1.07	88.6	85.7	0.155	0.155	1570
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	100%	100%	0%
# of values between MDL and PQL	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.428	0.436	NA	NA	NA	NA	0.012	NA	NA	13.74	13.70	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BLACK																
Sample Date																
08/15/06	0.713	0.125	1850	1810	26.9	1.55	**0.000475**	0.427	0.420	0.284	0.484	659	601	**0.155**	**0.155**	4500
08/18/07	0.128	**0.0155**	1980	1870	20.8	1.13	**0.00250**	0.541	0.555	0.371	0.340	731	612	**0.155**	**0.155**	3720
Mean	0.421	0.0700	1920	1840	23.9	1.34	0.00149	0.484	0.490	0.328	0.410	695	607	0.155	0.155	4110
Median	0.421	0.0700	1920	1840	23.9	1.34	0.00149	0.484	0.490	0.328	0.410	695	607	0.155	0.155	4110
St. Deviation	0.414	0.0770	90	40	4.30	0.300	0.00143	0.081	0.100	0.0620	0.100	51.0	8.00	0	0	550
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.128	0.0155	1850	1810	20.8	1.13	0.0004745	0.427	0.420	0.284	0.340	659	601	0.155	0.155	3720
Maximum	0.713	0.125	1980	1870	26.9	1.55	0.00250	0.541	0.555	0.371	0.484	731	612	0.155	0.155	4500
% of values undetected	0%	50%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.500	0.502	NA	NA	NA	NA	0.012	NA	NA	15.26	15.21	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
335133												
Sample Date												
08/30/06	0.026	**0.0114**	8580	8350	**0.0050**	**0.0050**	**0.050**	**0.050**	1.37	**0.889**	1.62	1.57
08/12/07	**0.0031**	**0.0031**	12700	11800	**0.0050**	**0.0050**	**0.050**	**0.050**	1.17	**0.966**	3.35	2.72
Mean	0.015	0.0073	10640	10080	0.0050	0.0050	0.050	0.050	1.27	0.928	2.49	2.15
Median	0.015	0.0073	10640	10080	0.0050	0.0050	0.050	0.050	1.27	0.928	2.49	2.15
St. Deviation	0.016	0.0059	2910	2440	0	0	0	0	0.140	0.0540	1.22	0.810
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	8580	8350	0.0050	0.0050	0.0500	0.050	1.17	0.889	1.62	1.57
Maximum	0.026	0.0114	12700	11800	0.0050	0.0050	0.0500	0.050	1.37	0.966	3.35	2.72
% of values undetected	50%	50%	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	1	0	0	0	0	0	0	0	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.2695286	0.229	NA	NA	NA	NA	NA	NA	NA	NA	31.50	31.06
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BLACK												
Sample Date												
08/15/06	**0.0031**	**0.0031**	4480	4510	**0.0132**	**0.0132**	**0.050**	**0.050**	**0.250**	**0.250**	6.03	2.60
08/18/07	**0.0031**	**0.0031**	5100	4860	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.615**	**0.155**	14.7	1.80
Mean	0.0031	0.0031	4790	4690	0.0090	0.0090	0.050	0.050	0.430	0.200	10.4	2.20
Median	0.0031	0.0031	4790	4690	0.0090	0.0090	0.050	0.050	0.430	0.200	10.4	2.20
St. Deviation	0	0	440	250	0.0060	0.0060	0	0	0.260	0.0700	6.10	0.600
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	4480	4510	0.0050	0.0050	0.050	0.050	0.250	0.155	6.03	1.8
Maximum	0.0031	0.0031	5100	4860	0.0132	0.0132	0.050	0.050	0.615	0.250	14.7	2.6
% of values undetected	100%	100%	0%	0%	50%	50%	100%	100%	50%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	1	1	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.3334051	0.283	NA	NA	NA	NA	NA	NA	NA	NA	34.98	34.49
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
CHIQ															
Sample Date															
08/14/06	11.2	104	37.0	214.9	0.420	7.74	11.9	12.6	25.0	0.400	**1.57**	8.00	0.0585	**0.0155**	0.0480
08/12/07	9.3	94.3	31.0	-40.80	1.17	7.76	16.0	13.2	20.0	4.20	**1.57**	8.66	**0.0500**		
Mean	10.3	99.3	34.0	87.10	1.000	7.75	10.0	12.9	23.0	2.30	1.57	8.30	0.0540	0.0155	0.0480
Median	10.3	99.3	34.0	87.10	1.000	7.75	10.0	12.9	23.0	2.30	1.57	8.30	0.0540	0.0155	0.0480
St. Deviation	1.40	7.00	4.0	180.8	1.000	0.0100	0.00	0.400	4.00	2.70	0	0.500	0.00600	#DIV/0!	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	9.3	94.3	31.0	-40.80	0.420	7.74	11.9	12.6	20.0	0.400	1.57	8.00	0.0500	0.0155	0.048
Maximum	11.24	104	37.0	214.9	1.17	7.76	16.0	13.2	25.0	4.2	1.57	8.66	0.0585	0.0155	0.048
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	50%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	0	2	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FRYPAN															
Sample Date															
site 1 08/13/07	5.90	62.5	35.0	28.10		7.91	17.88	17.8	43.8	14.8	**5.50**	29.9	**0.0155**		
site 10 07/26/06	6.51	57.3	64.0	100.6	1.60	6.35	9.65	26.8	66.2	1.00	**4.00**	**28.0**	**0.0490**	**0.0155**	**0.0415**
site 11 07/26/06	6.29	58.9	37.0	93.20	0.580	6.43	12.44	18.1	48.8	1.03	**3.50**	**24.0**	**0.0155**	**0.0155**	**0.0155**
site 12 07/26/06	8.85	66.2	21.0	222.7	7.44	4.74	3.16	9.65	35.0	10.5	5.00	10.0	0.554	**0.0155**	0.554
site 13 07/26/06	7.31	69.0	54.0	-77.80	1.87	7.75	12.6	23.6	53.8	1.70	**0.785**	**22.0**	**0.0475**	**0.0155**	**0.0450**
site 14 07/26/06	8.27	65.1	33.0	203.6	3.98	5.64	5.24	13.7	43.8	14.7	**4.25**	**22.0**	0.527	**0.0155**	0.527
site 15 07/26/06	8.73	67.6	17.0	198.1	0.250	5.34	4.56	10.1	42.5	**0.400**	**2.50**	14.0	0.437	**0.0155**	0.437
site 16 07/26/06	5.65	49.6	22.0	153.9	0.540	5.69	9.58	8.23	43.8	**0.400**	5.25	10.0	1.19	**0.0155**	1.19
site 17 07/26/06	6.88	61.9	24.0	132.2	0.370	6.17	10.7	9.15	20.0	2.00	**2.00**	13.0	**0.0730**	**0.0155**	**0.0675**
site 18 07/26/06	7.68	74.3	55.0	190.5	2.61	8.61	13.8	24.6	42.5	**0.075**	**0.785**	**22.0**	**0.0320**	**0.0155**	**0.0155**
site 19 07/27/06	7.52	65.3	55.0	62.8	0.540	6.49	9.14	24.7	45.0	0.500	**2.75**	23.0	0.135	**0.0155**	0.135
Mean	7.24	63.4	37.9	118.90	1.978	6.47	9.89	16.9	44.1	4.3	3.30	19.8	0.2796	0.0155	0.3028
Median	7.31	65.1	35.0	132.20	1.09	6.35	9.65	17.8	43.8	1.03	3.50	22	0.073	0.0155	0.10125
St. Deviation	1.1	6.6	16.5	90.5	2.262180855	1.18	4.36	7.1	11.3	5.9	1.7	7.0	0.3690	3.657E-18	0.380328
# of values	11	11	11	11	10	11	11	11	11	11	11	11	11	10	10
Minimum	5.65	49.6	17.0	-77.8	0.25	4.74	3.16	8.2	20	0.075	0.79	10	0.0155	0.0155	0.0155
Maximum	8.85	74.3	64.0	222.7	7.44	8.61	17.88	26.8	66.2	14.8	5.50	29.9	1.19	0.0155	1.19
% of values undetected	0%	0%	0%	0%		0%	0%	0%	0%	9%	18%	0%	18%		
# of values between MDL and PQL	0	0	0	0		0	0	0	0	2	7	5	4		3
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	45%	0%	0%	0%	NA	82%	0%	0%	0%	0%	0%	36%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	NA	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
CHIQ																
Sample Date																
08/14/06	0.0100	**0.0155**	0.816	**0.0330**	4.73	**0.00075**	**0.00075**	**0.0155**	5.27	2.22	**0.0075**	**0.0075**	**0.155**	**0.155**	1.09	1.01
08/12/07	**0.00155**		0.462	**0.0155**	4.30	**0.00075**	**0.00075**	**0.0155**	24.6	3.01	**0.0228**	**0.0350**	**0.155**	**0.155**	1.24	1.44
Mean	0.00600	0.0155	0.639	0.0240	4.50	0.00075	0.00075	0.0155	14.9	2.62	0.0152	0.0210	0.155	0.155	1.17	1.23
Median	0.00600	0.0155	0.639	0.0240	4.50	0.00075	0.00075	0.0155	14.9	2.62	0.0152	0.0210	0.155	0.155	1.17	1.23
St. Deviation	0.00600	NA	0.250	0.0120	0.300	0	0	0	13.7	0.560	0.0108	0.0190	0	0	0.110	0.300
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00155	0.0155	0.462	0.0155	4.30	0.00075	0.00075	0.0155	5.27	2.22	0.0075	0.0075	0.155	0.155	1.09	1.01
Maximum	0.01	0.0155	0.816	0.0330	4.73	0.00075	0.00075	0.0155	24.6	3.01	0.0228	0.0350	0.155	0.155	1.24	1.44
% of values undetected	50%	100%	0%	50%	0%	100%	100%	100%	0%	0%	50%	50%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	3.42	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FRYPAN																
Sample Date																
site 1 08/13/07	0.0209		0.390	**0.0155**	3.98	**0.00075**	**0.00075**	**0.0155**	35.3	14.4	0.0536	0.0608	1.02	0.906	3.32	3.47
site 10 07/26/06	0.0136	**0.0155**	0.498	**0.0630**	11.2	**0.00075**	0.0093	**0.0360**	20.2	6.95	**0.0075**	**0.0075**	**0.155**	**0.155**	6.08	5.83
site 11 07/26/06	0.0150	**0.05**	0.482	**0.0155**	1.33	**0.00075**	**0.0017**	**0.0490**	20.2	16.5	**0.0075**	**0.0075**	**0.155**	**0.155**	4.04	3.97
site 12 07/26/06	0.0300	**0.05**	0.762	**0.0155**	0.404	**0.00075**	**0.00075**	**0.0500**	25.3	2.53	**0.0075**	**0.0075**	**0.155**	**0.155**	2.12	1.03
site 13 07/26/06	0.0230	**0.05**	0.424	**0.0430**	7.49	**0.00075**	**0.00075**	0.171	24.5	11.8	**0.0324**	**0.0216**	0.525	**0.413**	4.06	3.08
site 14 07/26/06	0.0260	**0.05**	0.699	**0.0410**	0.360	**0.00075**	**0.00075**	**0.0660**	121	21.9	**0.0075**	**0.0075**	**0.155**	**0.155**	3.12	1.81
site 15 07/26/06	0.0230	**0.05**	0.654	**0.0155**	0.397	**0.00075**	**0.00075**	**0.0155**	57.6	25.2	**0.0075**	**0.0075**	**0.155**	**0.155**	2.07	2.01
site 16 07/26/06	**0.00990**	**0.05**	0.469	**0.0420**	0.572	**0.00075**	**0.00075**	**0.0690**	31.2	25.0	0.0906	0.0748	0.904	0.623	2.79	2.75
site 17 07/26/06	0.0290	**0.05**	0.575	**0.0610**	0.688	**0.00075**	**0.00075**	**0.0500**	30.1	7.77	0.151	0.129	1.25	0.727	3.02	2.65
site 18 07/26/06	0.0586	**0.05**	0.475	**0.0530**	7.78	**0.00075**	**0.0016**	0.200	188	17.6	**0.0236**	**0.0188**	**0.494**	**0.354**	7.25	3.75
site 19 07/27/06	**0.00700**	**0.0155**	0.494	**0.0460**	4.96	**0.00075**	**0.00075**	**0.0500**	32.1	18.9	**0.0075**	**0.0075**	**0.155**	**0.155**	6.01	5.70
Mean	0.0233	0.04	0.538	0.0374	3.56	0.00075	0.0016909	0.0702	53.2	15.3	0.0360	0.0318	0.47	0.359	3.99	3.28
Median	0.023	0.05	0.494	0.042	1.33	0.00075	0.00075	0.05	31.2	16.5	0.0075	0.0075	0.155	0.155	3.32	3.08
St. Deviation	0.0139	0.01	0.12	0.0187	3.82	1.1371E-19	0.0025493	0.0599	53.2	7.5	0.0464	0.0399	0.41	0.275	1.73	1.50
# of values	11	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Minimum	0.007	0.0155	0.390	0.0155	0.36	0.00075	0.00075	0.0155	20.2	2.53	0.0075	0.0075	0.155	0.155	2.07	1.03
Maximum	0.0586	0.05	0.762	0.063	11.2	0.00075	0.0093	0.2	188	25.2	0.151	0.129	1.25	0.906	7.25	5.83
% of values undetected	0%	100%	0%	36%	0%	100%	73%	45%	0%	0%	55%	55%	55%	55%	0%	0%
# of values between MDL and PQL	2	0	0	7	0	0	2	4	0	0	2	2	1	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	7.07	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	9%	0%	18%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
CHIQ																		
Sample Date																		
08/14/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3860	3570	**0.100**	**0.050**	0.0200	0.0240	0.212		**10**	**10**
08/12/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4060	4610	0.412	0.321	0.0224	**0.0138**	0.201	0.180	34	**17**
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	3960	4090	0.260	0.190	0.0210	0.0190	0.207	0.180	22	13
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	3960	4090	0.260	0.190	0.0210	0.0190	0.207	0.180	22	13
St. Deviation	0	0	0	0	0	0	0.00780	0.00780	140	740	0.220	0.190	0.00200	0.00700	0.00800	NA	17	5
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3860	3570	0.100	0.050	0.0200	0.0138	0.201	0.18	10	10
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4060	4610	0.412	0.321	0.0224	0.0240	0.212	0.18	34	17
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%	50%	50%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.058	0.058	NA	NA	10.98	10.56276	NA	NA	1.592	1.528	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FRYPAN																		
Sample Date																		
site 1 08/13/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5250	5420	0.280	0.257	0.0942	0.0728	1.78		486	250
site 10 07/26/06	**0.0125**	**0.0125**	**0.0222**	**0.0156**	**1.25**	**1.25**	**0.0185**	**0.0185**	7560	7540	0.435	0.494	0.130	0.122	3.53	2.18	597	106
site 11 07/26/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5120	5170	0.528	0.376	0.0736	0.0662	0.295	0.321	397	218
site 12 07/26/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3130	3310	0.599	0.386	0.121	0.0204	0.330	0.270	178	**10**
site 13 07/26/06	**0.0125**	**0.0125**	**0.0152**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6700	6100	0.508	0.338	0.0996	0.0568	2.42	1.82	577	315
site 14 07/26/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4400	3890	0.567	0.488	0.0934	0.0322	0.385	0.204	196	29
site 15 07/26/06	**0.0125**	**0.0125**	**0.0156**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3280	2930	0.495	0.429	0.0446	0.0328	0.182	0.217	64	32
site 16 07/26/06	**0.0125**	**0.0125**	**0.0186**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2590	2520	0.527	0.388	0.136	0.125	0.257	0.247	319	156
site 17 07/26/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2880	2680	0.499	0.436	0.0602	0.0362	0.180	0.259	198	69
site 18 07/26/06	**0.0125**	**0.0125**	**0.0164**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6990	6430	0.452	0.330	0.224	0.0660	3.81	2.09	1030	444
site 19 07/27/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7130	6790	0.331	0.326	0.0964	0.0888	0.770	0.812	287	161
Mean	0.0125	0.0125	0.0121	0.0082	1.25	1.25	0.0175	0.0175	5002.7273	4798.1818	0.475	0.386	0.1066	0.0654	1.27	0.842	394	162.71818
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5120	5170	0.499	0.386	0.0964	0.066	0.385	0.2955	319	156
St. Deviation	0.0000	0.0000	0.0056	0.0024	0.00	0.00	0.0033	0.0033	1874.4391	1804.8203	0.10	0.072	0.0479	0.0353	1.39	0.842967	272	135.39488
# of values	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	11	11
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	2590	2520	0.280	0.257	0.0446	0.0204	0.18	0.204	64.3	10
Maximum	0.0125	0.0125	0.0222	0.0156	1.25	1.25	0.0185	0.0185	7560	7540	0.599	0.494	0.224	0.125	3.81	2.18	1030	444
% of values undetected	100%	100%	55%	91%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%		0%	9%
# of values between MDL and PQL	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0		0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.044	0.045	NA	NA	10.98	10.56276	NA	NA	1.157	1.110	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	NA	9%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%

Parameters		Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
CHIQ																	
Sample Date																	
	08/14/06	**0.0500**	0.162	725	682	2.25	0.696	**0.000475**	0.0582	**0.0434**	**0.100**		170	156	**0.155**	**0.155**	1380
	08/12/07	**0.0328**	**0.0392**	744	834	2.48	0.462	**0.000169**	0.117	0.140	**0.100**	**0.100**	63.3	106	**0.155**	**0.155**	2640
Mean		0.0410	0.101	735	758	2.37	0.579	0.000322	0.0880	0.0920	0.100	0.100	117	131	0.155	0.155	2010
Median		0.0410	0.101	735	758	2.37	0.579	0.000322	0.0880	0.0920	0.100	0.100	117	131	0.155	0.155	2010
St. Deviation		0.0120	0.0870	13	107	0.160	0.165	0.000216	0.0420	0.0680	0	NA	75.0	35.0	0	0	890
# of values		2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum		0.0328	0.0392	725	682	2.25	0.462	0.000169	0.0582	0.0434	0.100	0.100	63.3	106	0.155	0.155	1380
Maximum		0.05	0.162	744	834	2.48	0.696	0.000475	0.117	0.140	0.100	0.100	170	156	0.155	0.155	2640
% of values undetected		50%	0%	0%	0%	0%	0%	100%	0%	0%	100%	100%	0%	0%	100%	100%	0%
# of values between MDL and PQL		1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		0.228	0.250	NA	NA	NA	NA	0.012	NA	NA	9.06	9.03	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]		15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FRYPAN																	
Sample Date																	
site 1	08/13/07	**0.0424**	0.103	1150	1180	40.5	26.3	**0.000876**	0.726	0.698	0.236	0.274	152	171	**0.155**	**0.155**	2630
site 10	07/26/06	**0.0500**		1930	1940	53.6	52.1	**0.000475**	0.676	0.691	0.472		372	356	**0.155**	**0.155**	4540
site 11	07/26/06	0.120		1300	1370	10.3	9.48	**0.002500**	0.197	0.173	**0.100**		180	192	**0.155**	**0.155**	1130
site 12	07/26/06	**0.0155**		446	493	63.8	0.287	**0.000475**	**0.0145**	**0.0145**	**0.100**		146	164	**0.155**	**0.155**	5200
site 13	07/26/06	0.318	0.276	1660	1480	53.7	10.1	**0.002500**	0.638	0.590	0.403		173	156	**0.155**	**0.155**	2160
site 14	07/26/06	**0.0500**		659	597	6.43	2.73	**0.000475**	**0.0145**	**0.0145**	**0.100**		169	148	**0.155**	**0.155**	5040
site 15	07/26/06	**0.0155**		470	433	2.24	1.56	**0.000475**	**0.0145**	**0.0145**	**0.100**		109	106	**0.155**	**0.155**	5170
site 16	07/26/06	**0.0500**		428	424	50.8	47.6	**0.000475**	0.277	0.267	**0.100**		79.0	72.8	**0.155**	**0.155**	4540
site 17	07/26/06	**0.0500**		474	432	7.88	4.41	**0.002500**	0.283	0.249	**0.100**		144	139	**0.155**	**0.155**	4100
site 18	07/26/06	0.438	0.158	1730	1570	74.0	13.3	**0.000475**	0.619	0.698	0.443	0.455	238	208	**0.155**	**0.155**	2620
site 19	07/27/06	**0.0500**	0.122	1670	1610	25.4	21.5	**0.002500**	0.414	0.402	0.286		480	464	**0.155**	**0.155**	3640
Mean		0.1090	0.165	1083.3636	1048.0909	35.3	17.2	0.001247545	0.352	0.347	0.222	0.365	204	198	0.155	0.155	3706.3636
Median		0.05	0.14	1150	1180	40.5	10.1	0.0004745	0.283	0.267	0.1	0.3645	169	164	0.155	0.155	4100
St. Deviation		0.1383	0.078	602.18872	578.80972	25.8	18.1	0.000999911	0.279	0.284	0.154	0.128	119	114	0.000	0.000	1380.893
# of values		11	4	11	11	11	11	11	11	11	11	2	11	11	11	11	11
Minimum		0.0155	0.103	428	424	2.24	0.287	0.0004745	0.0145	0.0145	0.1	0.274	79	72.8	0.155	0.155	1130
Maximum		0.438	0.276	1930	1940	74	52.1	0.0025	0.726	0.698	0.472	0.455	480	464	0.155	0.155	5200
% of values undetected		64%	0%	0%	0%	0%	0%	91%	27%	27%	55%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL		1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		0.142	0.163	NA	NA	NA	NA	0.012	NA	NA	6.60	6.58	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]		15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences		18%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters		Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
CHIQ													
Sample Date													
	08/14/06	**0.0031**	**0.0031**	1530	1450	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.21	1.18
	08/12/07	**0.0031**	**0.0031**	1570	1710	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.683**	1.60
Mean		0.0031	0.0031	1550	1580	0.0050	0.0050	0.050	0.050	0.200	0.200	1.45	1.40
Median		0.0031	0.0031	1550	1580	0.0050	0.0050	0.050	0.050	0.200	0.200	1.45	1.40
St. Deviation		0	0	30	180	0	0	0	0	0.0700	0.0700	1.08	0.300
# of values		2	2	2	2	2	2	2	2	2	2	2	2
Minimum		0.0031	0.0031	1530	1450	0.0050	0.0050	0.0500	0.050	0.155	0.155	0.683	1.18
Maximum		0.0031	0.0031	1570	1710	0.0050	0.0050	0.0500	0.050	0.250	0.250	2.21	1.6
% of values undetected		100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL		0	0	0	0	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]		0.1155617	0.098	NA	NA	NA	NA	NA	NA	NA	NA	20.76	20.47
Drinking Water Standards (DWS)[2]		NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FRYPAN													
Sample Date													
site 1	08/13/07	**0.0031**	**0.0031**	2320	2380	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.394**	**0.155**	1.91	
site 10	07/26/06	0.024	**0.0031**	3450	2980	**0.0050**	0.024	**0.050**	**0.050**	**0.250**	**0.250**	9.15	1.91
site 11	07/26/06	**0.0072**		1880	2030	**0.0106**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.09	3.76
site 12	07/26/06	**0.0031**	**0.0031**	1670	1830	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	5.34	3.93
site 13	07/26/06	**0.0084**		2630	2410	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.27	1.93
site 14	07/26/06	**0.0031**	**0.0031**	2050		**0.0132**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.88	3.62
site 15	07/26/06	**0.0031**	**0.0031**	1830	1740	**0.0122**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.94	1.58
site 16	07/26/06	**0.0078**	**0.019**	1800	1870	**0.0124**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	5.66	3.93
site 17	07/26/06	**0.0031**	**0.0031**	1840	1780	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.01	
site 18	07/26/06	0.28	0.043	2700	2630	**0.0102**	**0.0050**	**0.050**	**0.050**	1.04	**0.505**	2.86	1.34
site 19	07/27/06	0.021	**0.0031**	2220	2180	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.31	2.31
Mean		0.0335	0.0093	2217.2727	2183	0.0081	0.0067	0.050	0.050	0.335	0.265	3.49	2.7011111
Median		0.0072	0.0031	2050	2105	0.0050	0.0050	0.050	0.050	0.25	0.25	2.86	2.31
St. Deviation		0.0834	0.0137	533.03079	412.31191	0.0036	0.0056	0.000	0.000	0.238	0.085	2.35	1.0879389
# of values		11	9	11	10	11	11	11	11	11	11	11	9
Minimum		0.0031	0.0031	1670	1740	0.0050	0.0050	0.0500	0.050	0.25	0.155	1.01	1.34
Maximum		0.284	0.043	3450	2980	0.0132	0.0236	0.0500	0.050	1.04	0.505	9.15	3.93
% of values undetected		45%	78%	0%	0%	55%	91%	100%	100%	82%	91%	0%	
# of values between MDL and PQL		3	1	0	0	5	0	0	0	1	1	0	
Chronic Aquatic Life Criteria (CALC)[1,4]		0.0607455	0.052	NA	NA	NA	NA	NA	NA	NA	NA	15.12	14.91
Drinking Water Standards (DWS)[2]		NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
LAKE2															
Sample Date															
08/15/06	9.51	90.4	46.0	189.3	1.18	7.66	13.0	3.10	27.5	0.700	**3.50**	**1.55**	0.124	**0.0315**	**0.0925**
08/13/07	9.15	97.1	45.0	-60.90		8.42	18.2	19.2	33.8	2.00	**1.57**	16.5	**0.0155**		
Mean	9.33	93.8	45.5	64.20	1	8.04	20.0	11.2	30.7	1.40	2.50	9.00	0.0700	0.0315	0.0925
Median	9.33	93.8	45.5	64.20	1	8.04	20.0	11.2	30.7	1.40	2.50	9.00	0.0700	0.0315	0.0925
St. Deviation	0.250	4.70	0.7	176.9	NA	0.540	0	11.4	4.50	0.900	1.40	10.6	0.0770	NA	NA
# of values	2	2	2	2	1	2	2	2	2	2	2	2	2	1	1
Minimum	9.15	90.4	45.0	-60.90	1.18	7.66	13.0	3.10	27.5	0.700	1.57	1.55	0.0155	0.0315	0.0925
Maximum	9.51	97.1	46.0	189.3	1.18	8.42	18.2	19.2	33.8	2.00	3.50	16.5	0.124	0.0315	0.0925
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	50%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LILLY															
Sample Date															
08/15/06	10.4	92.7	8.0	184.0	0.720	7.43	10.0	16.7	41.3	1.90	**1.57**	18.0	**0.0155**	**0.0155**	**0.0155**
08/18/07	7.35	67.6	6.0	-17.00	1.36	6.97	11.6	4.19	**1.55**	11.0	**7.00**	**1.55**	**0.0395**		
Mean	8.87	80.2	7.0	84.00	1	7.20	11	10.4	21.4	6.00	4.30	9.80	0.0275	0.0155	0.0155
Median	8.87	80.2	7.0	84.00	1	7.20	11	10.4	21.4	6.00	4.30	9.80	0.0275	0.0155	0.0155
St. Deviation	2.15	17.7	1.4	142.0	0.500	0.330	1	8.80	28.1	6.00	3.80	11.6	0.0170	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	7.35	67.6	6.0	-17.00	0.720	6.97	10.0	4.19	1.55	1.9	1.57	1.55	0.0155	0.0155	0.0155
Maximum	10.4	92.7	8.0	184.0	1.36	7.43	11.6	16.7	41.3	11.0	7.00	18.0	0.0395	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	50%	50%	50%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LAKE2																
Sample Date																
08/15/06	0.0160	**0.0155**	0.323	**0.0155**	0.634	**0.00075**	**0.0025**	**0.0500**	379	177	**0.0075**	**0.0075**	**0.155**	**0.155**	4.79	3.63
08/13/07	0.0214		0.709	**0.0155**	3.74	**0.00075**	**0.00075**	**0.0330**	15.4	6.74	**0.0274**	**0.0328**	0.543	0.516	1.94	1.95
Mean	0.0190	0.0155	0.516	0.0155	2.19	0.00075	0.0016	0.0400	197	91.9	0.0175	0.0202	0.349	0.336	3.37	2.79
Median	0.0190	0.0155	0.516	0.0155	2.19	0.00075	0.0016	0.0400	197	91.9	0.0175	0.0202	0.349	0.336	3.37	2.79
St. Deviation	0.00400	NA	0.273	0	2.2	0	0.0012	0.0100	257	120	0.0141	0.0179	0.274	0.255	2.02	1.19
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0160	0.0155	0.323	0.0155	0.634	0.00075	0.00075	0.0330	15.4	6.74	0.0075	0.0075	0.155	0.155	1.94	1.95
Maximum	0.0214	0.0155	0.709	0.0155	3.74	0.00075	0.0025	0.0500	379	177	0.0274	0.0328	0.543	0.516	4.79	3.63
% of values undetected	0%	100%	0%	100%	0%	100%	100%	50%	0%	0%	50%	50%	50%	50%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	3.59	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LILLY																
Sample Date																
08/15/06	0.0110	**0.05**	0.898	**0.0340**	3.97	**0.00075**	**0.00075**	**0.0155**	12.2	5.00	**0.0075**	**0.0075**	**0.340**	**0.382**	1.95	1.61
08/18/07	0.0713		0.177	**0.0155**	**0.0155**	**0.00075**	**0.00075**	**0.0656**	329	103	**0.0075**	**0.0075**	**0.155**	**0.155**	13.7	1.53
Mean	0.0410	0.05	0.538	0.0250	1.99	0.00075	0.00075	0.0406	171	54.0	0.0075	0.0075	0.250	0.269	7.80	1.57
Median	0.0410	0.05	0.538	0.0250	1.99	0.00075	0.00075	0.0406	171	54.0	0.0075	0.0075	0.250	0.269	7.80	1.57
St. Deviation	0.0430	NA	0.510	0.0130	2.80	0	0	0.0354	224	69.0	0	0	0.130	0.161	8.30	0.0600
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0110	0.05	0.177	0.0155	0.0155	0.00075	0.00075	0.0155	12.2	5.00	0.0075	0.0075	0.155	0.155	1.95	1.53
Maximum	0.0713	0.05	0.898	0.0340	3.97	0.00075	0.00075	0.0656	329	103	0.0075	0.0075	0.340	0.382	13.7	1.61
% of values undetected	0%	100%	0%	50%	50%	100%	100%	50%	0%	0%	100%	100%	50%	50%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	5.93	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LAKE2																		
Sample Date																		
08/15/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	762	667	0.356	**0.100**	0.0946	0.0568	0.750	0.641	181	92
08/13/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.69**	**0.0075**	**0.0075**	6130	6350	0.489	0.380	0.0272		0.278		80	40
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.97	0.0130	0.0130	3446	3509	0.423	0.200	0.0609	0.0568	0.510	0.641	130	66
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.97	0.0130	0.0130	3446	3509	0.423	0.200	0.0609	0.0568	0.510	0.641	130	66
St. Deviation	0	0	0	0	0	1.02	0.00780	0.00780	3796	4018	0.0940	0.200	0.0477	NA	0.330	NA	72	37
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	762	667	0.356	0.1	0.0272	0.0568	0.278	0.641	79.7	39.9
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	2.69	0.0185	0.0185	6130	6350	0.489	0.38	0.0946	0.0568	0.75	0.641	181	92.2
% of values undetected	100%	100%	100%	100%	100%	50%	100%	100%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.024	0.026	NA	NA	6.0526072	5.2052422	NA	NA	0.584	0.561	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LILLY																		
Sample Date																		
08/15/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5030	4990	**0.0500**	**0.100**	0.0446	0.0308	0.242		70	**10**
08/18/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1140	1260	0.332	**0.184**	0.165	0.0506	0.669	0.342	381	93
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	3090	3130	0.190	0.140	0.105	0.0407	0.456	0.342	226	51
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	3090	3130	0.190	0.140	0.105	0.0407	0.456	0.342	226	51
St. Deviation	0	0	0	0	0	0	0.00780	0.00780	2750	2640	0.200	0.0600	0.0850	0.0140	0.302	NA	220	58
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	1140	1260	0.0500	0.100	0.0446	0.0308	0.242	0.342	70	10
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5030	4990	0.332	0.184	0.165	0.0506	0.669	0.342	381	93
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	50%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.029	0.030	NA	NA	7.1860156	6.1799734	NA	NA	0.698	0.671	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LAKE2																
Sample Date																
08/15/06	0.360	0.156	291	261	8.88	5.80	**0.002500**	**0.0145**	**0.0145**	0.284	0.398	162	122	**0.155**	**0.155**	674
08/13/07	**0.0155**	**0.0155**	942	990	12.9	0.634	**0.0001690**	0.343	0.348	**0.149**		294	310	**0.155**	**0.155**	1860
Mean	0.188	0.0860	617	626	10.9	3.22	0.001330	0.179	0.181	0.217	0.398	228	216	0.155	0.155	1267
Median	0.188	0.0860	617	626	10.9	3.22	0.001330	0.179	0.181	0.217	0.398	228	216	0.155	0.155	1267
St. Deviation	0.244	0.0990	460	515	2.80	3.65	0.001650	0.232	0.236	0.0950	NA	93.0	133	0	0	839
# of values	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.0155	0.0155	291	261	8.88	0.634	0.0001690	0.0145	0.0145	0.149	0.398	162	122	0.155	0.155	674
Maximum	0.360	0.156	942	990	12.9	5.80	0.002500	0.343	0.348	0.284	0.398	294	310	0.155	0.155	1860
% of values undetected	50%	50%	0%	0%	0%	0%	100%	50%	50%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.051	0.065	NA	NA	NA	NA	0.012	NA	NA	3.36	3.35	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LILLY																
Sample Date																
08/15/06	0.790	0.134	996	973	14.9	0.481	**0.002500**	0.316	0.283	**0.100**		228	253	**0.155**	**0.155**	2370
08/18/07	0.101	**0.0155**	328	347	13.9	3.41	**0.002500**	**0.0184**	**0.0154**	1.45	0.232	137	50.3	**0.155**	**0.155**	135
Mean	0.450	0.0750	662	660	14.4	1.95	0.002500	0.167	0.149	0.800	0.232	183	152	0.155	0.155	1253
Median	0.450	0.0750	662	660	14.4	1.95	0.002500	0.167	0.149	0.800	0.232	183	152	0.155	0.155	1253
St. Deviation	0.490	0.0840	472	443	0.700	2.07	0	0.210	0.189	1.00	NA	64.0	143	0	0	1580
# of values	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.101	0.0155	328	347	13.9	0.481	0.002500	0.0184	0.0154	0.100	0.232	137	50.3	0.155	0.155	135
Maximum	0.790	0.134	996	973	14.9	3.41	0.002500	0.316	0.283	1.45	0.232	228	253	0.155	0.155	2370
% of values undetected	0%	50%	0%	0%	0%	0%	100%	0%	0%	50%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.067	0.083	NA	NA	NA	NA	0.012	NA	NA	4.01	4.00	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LAKE2												
Sample Date												
08/15/06	**0.0031**	**0.0031**	598	563	**0.0050**	**0.0114**	**0.050**	**0.050**	**0.250**	**0.250**	11.2	2.40
08/13/07	**0.0031**	**0.0031**	2270	2030	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.56	2.11
Mean	0.0031	0.0031	1434	1297	0.0050	0.0080	0.050	0.050	0.200	0.200	6.90	2.30
Median	0.0031	0.0031	1434	1297	0.0050	0.0080	0.050	0.050	0.200	0.200	6.90	2.30
St. Deviation	0	0	1182	1037	0	0.0050	0	0	0.07	0.07	6.10	0.200
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	598	563	0.0050	0.005	0.050	0.050	0.155	0.155	2.56	2.11
Maximum	0.0031	0.0031	2270	2030	0.0050	0.0114	0.050	0.050	0.250	0.250	11.2	2.40
% of values undetected	100%	100%	0%	0%	100%	50%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.0153458	0.013	NA	NA	NA	NA	NA	NA	NA	NA	7.68	7.57
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LILLY												
Sample Date												
08/15/06	**0.0031**	**0.0031**	2000	2050	0.025	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	5.10	5.81
08/18/07	**0.0031**	**0.0031**	404	465	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.651**	**0.155**	4.37	2.22
Mean	0.0031	0.0031	1200	1258	0.015	0.0050	0.050	0.050	0.450	0.200	4.70	4.02
Median	0.0031	0.0031	1200	1258	0.015	0.0050	0.050	0.050	0.450	0.200	4.70	4.02
St. Deviation	0	0	1130	1121	0.014	0	0	0	0.280	0.0700	0.500	2.54
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	404	465	0.0050	0.005	0.050	0.050	0.250	0.155	4.37	2.22
Maximum	0.0031	0.0031	2000	2050	0.0254	0.005	0.050	0.050	0.651	0.250	5.10	5.81
% of values undetected	100%	100%	0%	0%	50%	100%	100%	100%	50%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.0220061	0.019	NA	NA	NA	NA	NA	NA	NA	NA	9.17	9.04
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
TPS1															
Sample Date															
08/23/06	12.7	103	23.0	146.7	0.700	6.27	5.94	8.47	36.3	**0.300**	**3.50**	**9.00**	**0.0155**	**0.0155**	**0.0155**
08/10/07	4.69	43.5	34.0	-58.40	0.710	7.81	11.4	14.1	31.3	0.700	**3.50**	13.0	0.143		
Mean	8.70	73.0	29.0	44.20	0.700	7.04	9	11.3	33.8	0.500	3.50	11.0	0.0790	0.0155	0.0155
Median	8.70	73.0	29.0	44.20	0.700	7.04	9	11.3	33.8	0.500	3.50	11.0	0.0790	0.0155	0.0155
St. Deviation	5.70	41.7	8.0	145.0	0	1.09	4	4.00	3.50	0.280	0	3.00	0.0900	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	4.69	43.5	23.0	-58.40	0.700	6.27	5.94	8.47	31.3	0.3	3.5	9	0.0155	0.0155	0.0155
Maximum	12.7	103	34.0	146.7	0.710	7.81	11.44	14.1	36.3	0.7	3.5	13	0.143	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS2															
Sample Date															
08/23/06	13.5	110	38.0	121.6	0.900	6.53	5.95	14.3	43.8	3.70	**3.50**	13.0	0.191	**0.0155**	0.191
08/10/07	9.29	87.0	40.0	-64.40	0.440	8.08	12.5	16.9	35.0	**0.600**	**1.57**	15.0	**0.0500**		
Mean	11.4	98.0	39.0	28.60	0.700	7.31	9.00	15.6	39.0	2.20	2.50	14.0	0.120	0.0155	0.191
Median	11.4	98.0	39.0	28.60	0.700	7.31	9.00	15.6	39.0	2.20	2.50	14.0	0.120	0.0155	0.191
St. Deviation	3.00	16.0	1.0	131.5	0.300	1.10	5.00	1.80	6.00	2.20	1.40	1.00	0.100	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	9.29	87	38.0	-64.4	0.440	6.53	5.95	14.3	35	0.6	1.57	13	0.05	0.0155	0.191
Maximum	13.5	109.5	40.0	121.6	0.900	8.08	12.5	16.9	43.8	3.7	3.5	15	0.191	0.0155	0.191
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	50%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS1																
Sample Date																
08/23/06	0.0150	**0.0155**	0.423	**0.0380**	3.36	**0.00075**	**0.00075**	**0.0350**	87.2	57.7	**0.0075**	**0.0075**	**0.155**	**0.155**	3.30	2.89
08/10/07	0.0149		0.421	**0.0155**	3.10	**0.00075**	**0.00075**	**0.0155**	43.7	9.95	**0.0238**	**0.0270**	**0.155**	**0.353**	4.36	4.29
Mean	0.0150	0.0155	0.422	0.0270	3.20	0.00075	0.00075	0.0250	65.5	33.8	0.0157	0.0170	0.155	0.254	3.80	3.59
Median	0.0150	0.0155	0.422	0.0270	3.20	0.00075	0.00075	0.0250	65.5	33.8	0.0157	0.0170	0.155	0.254	3.80	3.59
St. Deviation	0	NA	0.00100	0.0160	0.200	0	0	0.0140	30.8	33.8	0.0115	0.0140	0	0.140	0.700	0.990
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0149	0.0155	0.421	0.0155	3.10	0.00075	0.00075	0.0155	43.7	9.95	0.0075	0.0075	0.155	0.155	3.30	2.89
Maximum	0.0150	0.0155	0.423	0.0380	3.36	0.00075	0.00075	0.0350	87.2	57.7	0.0238	0.027	0.155	0.353	4.36	4.29
% of values undetected	0%	100%	0%	50%	0%	100%	100%	50%	0%	0%	50%	50%	100%	50%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	0	0	1	0	0	1	1	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	6.79	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS2																
Sample Date																
08/23/06	0.0190	**0.0155**	0.605	**0.0480**	3.86	**0.00075**	**0.00075**	**0.0610**	18.6	10.0	**0.0075**	**0.0075**	**0.155**	**0.155**	1.73	1.64
08/10/07	0.0161		0.504	**0.0155**	3.91	**0.00075**	**0.00075**	**0.0155**	14.4	8.32	**0.0300**	**0.0386**	**0.460**	**0.480**	2.16	
Mean	0.0180	0.0155	0.555	0.0320	3.89	0.00075	0.00075	0.0380	16.5	9.00	0.0190	0.0231	0.310	0.320	1.95	1.64
Median	0.0180	0.0155	0.555	0.0320	3.89	0.00075	0.00075	0.0380	16.5	9.00	0.0190	0.0231	0.310	0.320	1.95	1.64
St. Deviation	0.00200	NA	0.0710	0.0230	0.040	0	0	0.0320	3.00	1.00	0.0160	0.0220	0.220	0.230	0.300	NA
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1
Minimum	0.0161	0.0155	0.504	0.0155	3.86	0.00075	0.00075	0.0155	14.4	8.32	0.0075	0.0075	0.155	0.155	1.73	1.64
Maximum	0.0190	0.0155	0.605	0.0480	3.91	0.00075	0.00075	0.0610	18.6	10.0	0.0300	0.0386	0.460	0.480	2.16	1.64
% of values undetected	0%	100%	0%	50%	0%	100%	100%	50%	0%	0%	50%	50%	50%	50%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	0	0	1	0	0	1	1	1	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	6.56	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS1																		
Sample Date																		
08/23/06	**0.0125**	**0.0125**	**0.0075**	0.0162	**1.25**	**1.25**	**0.0185**	**0.0185**	2570	2300	0.268	**0.0500**	0.0680	0.0500	0.594		153	77
08/10/07	**0.0125**	**0.0125**	**0.0075**	0.0234	**1.25**	**1.25**	**0.0075**	**0.0075**	4270	4330	0.496	0.396	0.213	0.197	0.590	0.671	387	127
Mean	0.0125	0.0125	0.0075	0.0198	1.25	1.25	0.0130	0.013	3420	3320	0.382	0.220	0.141	0.120	0.590	0.671	270	102
Median	0.0125	0.0125	0.0075	0.0198	1.25	1.25	0.0130	0.013	3420	3320	0.382	0.220	0.141	0.120	0.590	0.671	270	102
St. Deviation	0	0	0	0.0051	0	0	0.00780	0.0078	1200	1440	0.161	0.240	0.103	0.100	0	NA	165	35
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0162	1.25	1.25	0.0075	0.0075	2570	2300	0.268	0.0500	0.0680	0.0500	0.59	0.671	153	76.8
Maximum	0.0125	0.0125	0.0075	0.0234	1.25	1.25	0.0185	0.0185	4270	4330	0.496	0.396	0.213	0.197	0.594	0.671	387	127
% of values undetected	100%	100%	100%	0%	100%	100%	100%	100%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.045	0.045	NA	NA	10.98	10.56276	NA	NA	1.164	1.117	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS2																		
Sample Date																		
08/23/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4350	4090	**0.0500**	**0.0500**	0.0242	0.0308	0.167		30	23
08/10/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.52**	**2.58**	**0.0075**	**0.0075**	5040	5310	0.529	0.370	0.0264	0.0252	0.505	0.279	45	27
Mean	0.0125	0.0125	0.0075	0.0075	1.89	1.92	0.0130	0.013	4700	4700	0.290	0.210	0.0253	0.0280	0.336	0.279	38	25
Median	0.0125	0.0125	0.0075	0.0075	1.89	1.92	0.0130	0.013	4700	4700	0.290	0.210	0.0253	0.0280	0.336	0.279	38	25
St. Deviation	0	0	0	0	0.9	0.940	0.00780	0.0078	490	860	0.340	0.230	0.00160	0.00400	0.239	NA	11	3
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4350	4090	0.0500	0.0500	0.0242	0.0252	0.167	0.279	30	23
Maximum	0.0125	0.0125	0.0075	0.0075	2.52	2.58	0.0185	0.0185	5040	5310	0.529	0.37	0.0264	0.0308	0.505	0.279	45	27
% of values undetected	100%	100%	100%	100%	50%	50%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.064	0.064	NA	NA	10.98	10.56276	NA	NA	1.784	1.713	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS1																
Sample Date																
08/23/06	0.380		500	442	6.32	4.08	**0.001140**	**0.0484**	0.0862	0.274	0.467	149	131	**0.155**	**0.155**	3930
08/10/07	**0.0155**	**0.0155**	846	876	33.4	31.8	**0.0001690**	0.155	0.152	0.221	0.334	328	351	**0.155**	**0.155**	5910
Mean	0.198	0.0155	670	659	19.9	17.9	0.0006500	0.102	0.119	0.248	0.401	239	241	0.155	0.155	4920
Median	0.198	0.0155	670	659	19.9	17.9	0.0006500	0.102	0.119	0.248	0.401	239	241	0.155	0.155	4920
St. Deviation	0.258	NA	240	307	19.1	19.6	0.0006900	0.0750	0.0470	0.0370	0.0940	127	156	0	0	1400
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0155	0.0155	500	442	6.32	4.08	0.000169	0.0484	0.0862	0.221	0.334	149	131	0.155	0.155	3930
Maximum	0.380	0.0155	846	876	33.4	31.8	0.00114	0.155	0.152	0.274	0.467	328	351	0.155	0.155	5910
% of values undetected	50%	100%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.143	0.164	NA	NA	NA	NA	0.012	NA	NA	6.64	6.62	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS2																
Sample Date																
08/23/06	0.152	0.179	844	811	2.00	1.95	**0.0004745**	0.125	0.105	0.232		310	303	**0.155**	**0.155**	4650
08/10/07	**0.0468**	**0.0155**	1050	1130	2.82	2.32	**0.0001690**	0.157	0.189	0.292	0.346	355	383	**0.155**	**0.155**	4940
Mean	0.0990	0.0970	947	971	2.40	2.14	0.0003220	0.141	0.147	0.262	0.346	333	343	0.155	0.155	4800
Median	0.0990	0.0970	947	971	2.40	2.14	0.0003220	0.141	0.147	0.262	0.346	333	343	0.155	0.155	4800
St. Deviation	0.0740	0.116	146	226	0.600	0.260	0.0002160	0.0230	0.0590	0.0420	NA	32.0	57.0	0	0	210
# of values	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.0468	0.0155	844	811	2.00	1.95	0.0001690	0.125	0.105	0.232	0.346	310	303	0.155	0.155	4650
Maximum	0.152	0.179	1050	1130	2.82	2.32	0.0004745	0.157	0.189	0.292	0.346	355	383	0.155	0.155	4940
% of values undetected	0%	50%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.271	0.290	NA	NA	NA	NA	0.012	NA	NA	10.14	10.11	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS1												
Sample Date												
08/23/06	**0.0086**	**0.0031**	1610	1670	**0.0118**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.47	2.88
08/10/07	**0.0031**	**0.0031**	2430	2530	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	**0.821**	1.63
Mean	0.0059	0.0031	2020	2100	0.0080	0.0050	0.050	0.050	0.200	0.200	1.65	2.26
Median	0.0059	0.0031	2020	2100	0.0080	0.0050	0.050	0.050	0.200	0.200	1.65	2.26
St. Deviation	0.0039	0	580	610	0.0050	0	0	0	0.0700	0.0700	1.17	0.880
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	1610	1670	0.0050	0.005	0.050	0.050	0.155	0.155	0.821	1.63
Maximum	0.0086	0.0031	2430	2530	0.0118	0.005	0.050	0.050	0.250	0.250	2.47	2.88
% of values undetected	50%	100%	0%	0%	50%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	1	0	0	0	1	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.0614868	0.052	NA	NA	NA	NA	NA	NA	NA	NA	15.21	15.00
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS2												
Sample Date												
08/23/06	**0.0031**	**0.0031**	2030	1990	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.04	
08/10/07	**0.0031**	**0.0031**	2540	2580	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.96	1.11
Mean	0.0031	0.0031	2290	2290	0.0050	0.0050	0.050	0.050	0.200	0.200	1.50	1.11
Median	0.0031	0.0031	2290	2290	0.0050	0.0050	0.050	0.050	0.200	0.200	1.50	1.11
St. Deviation	0	0	360	420	0	0	0	0	0.0700	0.0700	0.650	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	1
Minimum	0.0031	0.0031	2030	1990	0.0050	0.005	0.050	0.050	0.155	0.155	1.04	1.11
Maximum	0.0031	0.0031	2540	2580	0.0050	0.005	0.050	0.050	0.250	0.250	1.96	1.11
% of values undetected	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.1453242	0.124	NA	NA	NA	NA	NA	NA	NA	NA	23.24	22.91
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
TPS3															
Sample Date															
08/23/06	10.8	98.6	16.0	132.5	2.10	7.18	11.2	6.13	22.5	1.50	**1.57**	**7.00**	**0.0155**	**0.0155**	**0.0155**
08/10/07	7.32	75.4	15.0	-46.50	0.490	7.96	17.0	6.80	12.5	2.00	**1.57**	**7.24**	**0.0155**		
Mean	9.07	87.0	16.0	43.00	1.30	7.57	14.0	6.5	17.5	2.00	1.57	7.10	0.0155	0.0155	0.0155
Median	9.07	87.0	16.0	43.00	1.30	7.57	14.0	6.5	17.5	2.00	1.57	7.10	0.0155	0.0155	0.0155
St. Deviation	2.47	16.4	1.0	126.6	1.14	0.550	4	0.500	7.10	0	0	0.200	0	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	7.32	75.4	15.0	-46.50	0.490	7.18	11.2	6.13	12.5	1.50	1.57	7.00	0.0155	0.0155	0.0155
Maximum	10.8	98.6	16.0	132.5	2.100	7.96	17.0	6.80	22.5	2.00	1.57	7.24	0.0155	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS4															
Sample Date															
08/23/06	10.7	91.6	43.0	137.8	0.700	6.70	8.48	16.4	42.5	0.707	**6.75**	15.0	**0.0155**	**0.0155**	**0.0155**
08/10/07	7.16	63.0	45.0	-36.00	1.30	7.91	9.76	20.1	17.5	1.13	**6.00**	22.3	**0.0500**		
Mean	8.95	77.0	44.0	51.0	1.00	7.30	9	18.3	30.0	0.920	6.40	19.0	0.0330	0.0155	0.0155
Median	8.95	77.0	44.0	51.0	1.00	7.30	9	18.3	30.0	0.920	6.40	19.0	0.0330	0.0155	0.0155
St. Deviation	2.52	20.0	1.0	123.0	0.000	0.900	1.000	2.60	17.7	0.300	0.500	5.00	0.0240	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	7.16	63.0	43.0	-36.00	0.700	6.70	8.48	16.4	17.5	0.707	6.00	15.0	0.0155	0.0155	0.0155
Maximum	10.7	91.6	45.0	137.8	1.30	7.91	9.76	20.1	42.5	1.13	6.75	22.3	0.0500	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS3																
Sample Date																
08/23/06	0.0210	**0.0155**	0.591	**0.0155**	0.691	**0.00075**	**0.00075**	**0.0155**	240	6.12	**0.0075**	**0.0075**	**0.155**	**0.155**	2.49	1.29
08/10/07	0.0221		0.399	**0.0155**	0.457	**0.00075**	**0.00075**	**0.0155**	109	4.85	**0.0384**	**0.0284**	**0.155**	**0.155**	2.47	1.93
Mean	0.0220	0.0155	0.495	0.0155	0.574	0.00075	0.00075	0.0155	175	5.49	0.0230	0.0180	0.155	0.155	2.48	1.61
Median	0.0220	0.0155	0.495	0.0155	0.574	0.00075	0.00075	0.0155	175	5.49	0.0230	0.0180	0.155	0.155	2.48	1.61
St. Deviation	0.00100	NA	0.136	0	0.165	0	0	0	93.0	0.900	0.0218	0.0148	0	0	0.0100	0.450
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.021	0.0155	0.399	0.0155	0.457	0.00075	0.00075	0.0155	109	4.85	0.0075	0.0075	0.155	0.155	2.47	1.29
Maximum	0.0221	0.0155	0.591	0.0155	0.691	0.00075	0.00075	0.0155	240	6.12	0.0384	0.0284	0.155	0.155	2.49	1.93
% of values undetected	0%	100%	0%	100%	0%	100%	100%	100%	0%	0%	50%	50%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	5.33	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS4																
Sample Date																
08/23/06	0.0130	**0.0155**	0.679	**0.0390**	1.64	**0.00075**	**0.00075**	**0.0155**	25.2	17.5	**0.0075**	**0.0075**	**0.155**	**0.155**	2.59	2.56
08/10/07	0.0215		0.462	**0.0155**	1.94	**0.00075**	**0.00075**	**0.0155**	18.5	10.3	**0.0075**	**0.0206**	**0.155**	**0.155**	3.33	3.83
Mean	0.0170	0.0155	0.571	0.0270	1.79	0.00075	0.00075	0.0155	21.9	13.9	0.0075	0.0141	0.155	0.155	2.96	3.20
Median	0.0170	0.0155	0.571	0.0270	1.79	0.00075	0.00075	0.0155	21.9	13.9	0.0075	0.0141	0.155	0.155	2.96	3.20
St. Deviation	0.00600	NA	0.153	0.0170	0.210	0	0	0	4.7	5.10	0	0.00930	0	0	0.520	0.900
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0130	0.0155	0.462	0.0155	1.64	0.00075	0.00075	0.0155	18.5	10.3	0.0075	0.0075	0.155	0.155	2.59	2.56
Maximum	0.0215	0.0155	0.679	0.0390	1.94	0.00075	0.00075	0.0155	25.2	17.5	0.0075	0.0206	0.155	0.155	3.33	3.83
% of values undetected	0%	100%	0%	50%	0%	100%	100%	100%	0%	0%	100%	50%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	6.36	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS3																		
Sample Date																		
08/23/06	**0.0125**	**0.0125**	**0.0075**	0.0152	**1.25**	**1.25**	**0.0185**	**0.0185**	1650	1590	**0.0500**	**0.0500**	0.0914	0.0194	0.450	0.400	182	**10**
08/10/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	1870	2280	0.372	0.366	0.103	0.0248	0.597	0.468	132	16
Mean	0.0125	0.0125	0.0075	0.0114	1.25	1.25	0.0130	0.013	1760	1940	0.210	0.210	0.0970	0.0221	0.520	0.430	157	13
Median	0.0125	0.0125	0.0075	0.0114	1.25	1.25	0.0130	0.013	1760	1940	0.210	0.210	0.0970	0.0221	0.520	0.430	157	13
St. Deviation	0	0	0	0.0054	0	0	0.00780	0.0078	160	490	0.230	0.220	0.00800	0.00380	0.100	0.0500	35	4
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	1650	1590	0.0500	0.0500	0.0914	0.0194	0.45	0.400	132	10
Maximum	0.0125	0.0125	0.0075	0.0152	1.25	1.25	0.0185	0.0185	1870	2280	0.372	0.366	0.103	0.0248	0.597	0.468	182	16
% of values undetected	100%	100%	100%	50%	100%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	50%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.034	0.035	NA	NA	8.7957627	7.5643559	NA	NA	0.862	0.828	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS4																		
Sample Date																		
08/23/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4470	4450	**0.0500**	**0.0500**	0.0510	0.0514	0.311	0.339	135	74
08/10/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5510	6140	0.417	0.400	0.0840	0.0634	0.241	0.250	181	97
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	4990	5300	0.230	0.230	0.0680	0.0574	0.276	0.290	158	86
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	4990	5300	0.230	0.230	0.0680	0.0574	0.276	0.290	158	86
St. Deviation	0	0	0	0	0	0	0.00780	0.0078	740	1200	0.260	0.250	0.0230	0.00850	0.0490	0.0600	33	17
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4470	4450	0.0500	0.0500	0.051	0.0514	0.241	0.250	135	74
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5510	6140	0.417	0.400	0.084	0.0634	0.311	0.339	181	97
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.071	0.070	NA	NA	10.98	10.56276	NA	NA	2.009	1.929	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS3																
Sample Date																
08/23/06	0.619	0.141	492	466	11.9	1.31	**0.0004745**	**0.0450**	**0.0396**	0.295	0.337	257	245	**0.155**	**0.155**	514
08/10/07	**0.0956**	**0.0155**	520	603	7.42	1.02	**0.0001690**	0.0676	0.0862	**0.193**	**0.198**	313	362	**0.155**	**0.155**	1120
Mean	0.357	0.0780	506	535	9.70	1.17	0.0003220	0.0560	0.0629	0.244	0.268	285	304	0.155	0.155	817
Median	0.357	0.0780	506	535	9.70	1.17	0.0003220	0.0560	0.0629	0.244	0.268	285	304	0.155	0.155	817
St. Deviation	0.370	0.0890	20	97	3.20	0.210	0.0002160	0.0160	0.0330	0.0720	0.0980	40.0	83.0	0	0	429
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0956	0.0155	492	466	7.42	1.02	0.0001690	0.0450	0.0396	0.193	0.198	257	245	0.155	0.155	514
Maximum	0.619	0.141	520	603	11.9	1.31	0.0004745	0.0676	0.0862	0.295	0.337	313	362	0.155	0.155	1120
% of values undetected	0%	50%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.092	0.110	NA	NA	NA	NA	0.012	NA	NA	4.94	4.92	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS4																
Sample Date																
08/23/06	0.493	0.287	1270	1340	3.21	2.82	**0.001130**	**0.0454**	**0.0356**	0.291		397	398	**0.155**	**0.155**	5390
08/10/07	**0.0155**	**0.0155**	1550	1720	8.13	7.15	**0.0001690**	0.0574	0.0742	**0.172**	0.322	400	450	**0.155**	**0.155**	4730
Mean	0.254	0.151	1410	1530	5.67	4.99	0.0006500	0.0514	0.0549	0.232	0.322	400	424	0.155	0.155	5060
Median	0.254	0.151	1410	1530	5.67	4.99	0.0006500	0.0514	0.0549	0.232	0.322	400	424	0.155	0.155	5060
St. Deviation	0.338	0.192	200	270	3.48	3.06	0.0006800	0.00850	0.0273	0.0840	NA	0	37.0	0	0	470
# of values	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.0155	0.0155	1270	1340	3.21	2.82	0.000169	0.0454	0.0356	0.172	0.322	397	398	0.155	0.155	4730
Maximum	0.493	0.287	1550	1720	8.13	7.15	0.001130	0.0574	0.0742	0.291	0.322	400	450	0.155	0.155	5390
% of values undetected	50%	50%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.323	0.340	NA	NA	NA	NA	0.012	NA	NA	11.41	11.37	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2.0000000	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS3												
Sample Date												
08/23/06	**0.0031**	**0.0031**	841	867	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.17	1.21
08/10/07	**0.0031**	**0.0031**	1050	1190	**0.0158**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	3.75	1.39
Mean	0.0031	0.0031	946	1029	0.010	0.005	0.050	0.050	0.200	0.200	2.96	1.30
Median	0.0031	0.0031	946	1029	0.010	0.005	0.050	0.050	0.200	0.200	2.96	1.30
St. Deviation	0	0	148	228	0.0080	0	0	0	0.0700	0.0700	1.12	0.130
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	841	867	0.0050	0.0050	0.0500	0.0500	0.155	0.155	2.17	1.21
Maximum	0.0031	0.0031	1050	1190	0.0158	0.0050	0.0500	0.0500	0.250	0.250	3.75	1.39
% of values undetected	100%	100%	0%	0%	50%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.0336437	0.029	NA	NA	NA	NA	NA	NA	NA	NA	11.30	11.14
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS4												
Sample Date												
08/23/06	**0.0031**	**0.0031**	2030	2210	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.86	3.28
08/10/07	**0.0031**	**0.0031**	2340	2590	**0.0102**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.09	1.37
Mean	0.0031	0.0031	2190	2400	0.0080	0.0050	0.050	0.050	0.200	0.200	3.48	2.33
Median	0.0031	0.0031	2190	2400	0.0080	0.0050	0.050	0.050	0.200	0.200	3.48	2.33
St. Deviation	0	0	220	270	0.0040	0	0	0	0.0700	0.0700	0.870	1.35
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	2030	2210	0.0050	0.0050	0.0500	0.0500	0.155	0.155	2.86	1.37
Maximum	0.0031	0.0031	2340	2590	0.0102	0.0050	0.0500	0.0500	0.250	0.250	4.09	3.28
% of values undetected	100%	100%	0%	0%	50%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.1846335	0.157	NA	NA	NA	NA	NA	NA	NA	NA	26.14	25.78
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
TPS5															
Sample Date															
08/23/06	11.5	107	37.0	147.6	0.900	6.84	12.0	15.4	37.5	0.900	**1.57**	16.0	**0.0565**	**0.0155**	**0.0565**
08/11/07	7.53	74.8	30.0	-38.80	1.33	7.57	15.1	14.1	16.3	2.00	**3.50**	13.6	0.113		
Mean	9.54	91.0	34.0	54.40	1.00	7.21	10.0	14.8	26.9	1.50	2.50	15.0	0.0850	0.0155	0.0565
Median	9.54	91.0	34.0	54.40	1.00	7.21	10.0	14.8	26.9	1.50	2.50	15.0	0.0850	0.0155	0.0565
St. Deviation	2.84	22.8	5.0	131.8	0.000	0.520	0	0.900	15.0	0.800	1.40	2.00	0.0400	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	7.5	74.8	30.0	-38.8	0.900	6.84	12.0	14.1	16.3	0.900	1.57	13.6	0.0565	0.0155	0.0565
Maximum	11.5	107	37.0	147.6	1.33	7.57	15.1	15.4	37.5	2.00	3.50	16.0	0.113	0.0155	0.0565
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS6															
Sample Date															
08/24/06	13.3	109	60.0	195.3	0.290	7.10	6.37	25.4	56.3	**0.202**	**1.57**	30.0	0.104	**0.0155**	0.104
08/11/07	10.8	93.6	59.0	-37.90	1.42	7.57	8.84	30.4	41.3	2.90	**1.57**	30.6	**0.0500**		
Mean	12.0	101	60.0	78.70	1.000	7.30	8	27.9	48.8	1.55	1.57	30.0	0.080	0.0155	0.104
Median	12.0	101	60.0	78.70	1.000	7.30	8	27.9	48.8	1.55	1.57	30.0	0.080	0.0155	0.104
St. Deviation	1.80	10.7	1.0	164.9	1.000	0.300	2	3.50	10.6	1.91	0	0	0.040	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	10.8	93.6	59.0	-37.9	0.290	7.10	6.37	25.4	41.3	0.202	1.57	30.0	0.0500	0.0155	0.104
Maximum	13.3	109	60.0	195.3	1.42	7.57	8.84	30.4	56.3	2.90	1.57	30.6	0.104	0.0155	0.104
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	50%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS5																
Sample Date																
08/23/06	0.0120	**0.0155**	0.869	**0.0350**	1.03	**0.00075**	**0.00075**	**0.0400**	61.4	18.9	**0.0250**	**0.0250**	**0.155**	**0.155**	2.91	2.75
08/11/07	0.0210		0.566	**0.0155**	0.646	**0.00075**	**0.00075**	**0.0155**	50.4	15.5	0.0538	0.0556	0.533	**0.437**	2.34	2.26
Mean	0.0170	0.0155	0.718	0.0250	0.840	0.00075	0.00075	0.0280	55.9	17.2	0.0390	0.0400	0.344	0.296	2.63	2.51
Median	0.0170	0.0155	0.718	0.0250	0.840	0.00075	0.00075	0.0280	55.9	17.2	0.0390	0.0400	0.344	0.296	2.63	2.51
St. Deviation	0.00600	NA	0.214	0.0140	0.270	0	0	0.0170	7.80	2.40	0.0200	0.0220	0.267	0.199	0.400	0.350
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0120	0.0155	0.566	0.0155	0.646	0.00075	0.00075	0.0155	50.4	15.5	0.025	0.0250	0.155	0.155	2.34	2.26
Maximum	0.0210	0.0155	0.869	0.0350	1.03	0.00075	0.00075	0.0400	61.4	18.9	0.0538	0.0556	0.533	0.437	2.91	2.75
% of values undetected	0%	100%	0%	50%	0%	100%	100%	50%	0%	0%	50%	50%	50%	50%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	6.16	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS6																
Sample Date																
08/24/06	**0.00800**	**0.0155**	0.778	**0.0560**	1.67	**0.00075**	**0.00075**	**0.0155**	11.9	11.4	0.158	0.159	6.55	7.09	3.46	3.76
08/11/07	0.0141		0.596	**0.0155**	1.41	**0.00075**	**0.00075**	**0.0155**	24.7	10.1	0.161	0.164	7.38	6.81	3.77	3.85
Mean	0.0110	0.0155	0.687	0.0360	1.54	0.00075	0.00075	0.0155	18.3	10.8	0.160	0.162	6.97	6.95	3.62	3.81
Median	0.0110	0.0155	0.687	0.0360	1.54	0.00075	0.00075	0.0155	18.3	10.8	0.160	0.162	6.97	6.95	3.62	3.81
St. Deviation	0.00400	NA	0.129	0.0290	0.180	0	0	0	9.10	0.900	0.00200	0.00400	0.590	0.200	0.220	0.0600
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00800	0.0155	0.596	0.0155	1.41	0.00075	0.00075	0.0155	11.9	10.1	0.158	0.159	6.55	6.81	3.46	3.76
Maximum	0.0141	0.0155	0.778	0.0560	1.67	0.00075	0.00075	0.0155	24.7	11.4	0.161	0.164	7.38	7.09	3.77	3.85
% of values undetected	0%	100%	0%	50%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	5.60	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS5																		
Sample Date																		
08/23/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4740	4760	**0.0500**	**0.0500**	0.0488	0.0374	0.332		139	82
08/11/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4610	4590	0.427	0.362	0.0326	**0.0152**	0.228	0.262	80	29
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	4680	4680	0.240	0.210	0.0407	0.0263	0.280	0.262	110	55
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	4680	4680	0.240	0.210	0.0407	0.0263	0.280	0.262	110	55
St. Deviation	0	0	0	0	0	0	0.00780	0.0078	90	120	0.270	0.220	0.0115	0.0157	0.0740	NA	42	37
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4610	4590	0.0500	0.0500	0.0326	0.0152	0.228	0.262	80.2	29
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4740	4760	0.427	0.362	0.0488	0.0374	0.332	0.262	139	81.8
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.064	0.063	NA	NA	10.98	10.56276	NA	NA	1.756	1.686	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS6																		
Sample Date																		
08/24/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8920	10500	0.315		0.0222	0.0420	0.247		53	29
08/11/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10700	10400	0.653	0.484	0.0232	**0.0166**	0.201	0.168	49	33
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	9810	10500	0.484	0.484	0.0227	0.0290	0.224	0.168	51	31
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	9810	10500	0.484	0.484	0.0227	0.0290	0.224	0.168	51	31
St. Deviation	0	0	0	0	0	0	0.00780	0.0078	1260	100	0.239	NA	0.000700	0.0180	0.0330	NA	3	3
# of values	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8920	10400	0.315	0.484	0.0222	0.0166	0.201	0.168	49	29
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	10700	10500	0.653	0.484	0.0232	0.0420	0.247	0.168	53	33
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.099	0.095	NA	NA	10.98	10.56276	NA	NA	2.917	2.800	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS5																
Sample Date																
08/23/06	0.219	0.190	872	851	4.32	3.14	**0.0004745**	0.117	0.130	0.275		276	276	**0.155**	**0.155**	3480
08/11/07	**0.0155**	**0.0318**	620	633	4.02	1.34	**0.0001690**	0.0858	0.0942	**0.116**	**0.100**	215	230	**0.155**	**0.155**	3700
Mean	0.117	0.111	746	742	4.17	2.24	0.0003220	0.101	0.112	0.196	0.100	246	253	0.155	0.155	3590
Median	0.117	0.111	746	742	4.17	2.24	0.0003220	0.101	0.112	0.196	0.100	246	253	0.155	0.155	3590
St. Deviation	0.144	0.112	178	154	0.210	1.27	0.0002160	0.0220	0.0250	0.112	NA	43.0	33.0	0	0	160
# of values	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.0155	0.0318	620	633	4.02	1.34	0.000169	0.0858	0.0942	0.116	0.100	215	230	0.155	0.155	3480
Maximum	0.219	0.190	872	851	4.32	3.14	0.0004745	0.117	0.130	0.275	0.100	276	276	0.155	0.155	3700
% of values undetected	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.264	0.284	NA	NA	NA	NA	0.012	NA	NA	9.98	9.95	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS6																
Sample Date																
08/24/06	0.292	0.255	771	887	1.25		**0.0004745**	0.167	0.180	0.297		314	381	**0.155**	**0.155**	4850
08/11/07	**0.0322**	**0.0482**	893	899	2.37	1.79	**0.0001690**	0.219	0.215	**0.172**	0.240	335	350	**0.155**	**0.155**	4460
Mean	0.162	0.152	832	893	1.81	1.79	0.0003220	0.193	0.200	0.235	0.240	325	366	0.155	0.155	4660
Median	0.162	0.152	832	893	1.81	1.79	0.0003220	0.193	0.200	0.235	0.240	325	366	0.155	0.155	4660
St. Deviation	0.184	0.146	86	8	0.790	NA	0.0002160	0.0370	0.0200	0.0880	NA	15.0	22.0	0	0	280
# of values	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2
Minimum	0.0322	0.0482	771	887	1.25	1.79	0.0001690	0.167	0.180	0.172	0.240	314	350	0.155	0.155	4460
Maximum	0.292	0.255	893	899	2.37	1.79	0.0004745	0.219	0.215	0.297	0.240	335	381	0.155	0.155	4850
% of values undetected	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.563	0.557	NA	NA	NA	NA	0.012	NA	NA	16.50	16.45	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS5												
Sample Date												
08/23/06	**0.0031**	**0.0031**	1710	1740	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.69	1.49
08/11/07	**0.0031**	**0.0031**	1620	1580	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.312**	**0.155**	**0.807**	1.43
Mean	0.0031	0.0031	1670	1660	0.0050	0.0050	0.050	0.050	0.280	0.200	1.25	1.46
Median	0.0031	0.0031	1670	1660	0.0050	0.0050	0.050	0.050	0.280	0.200	1.25	1.46
St. Deviation	0	0	60	110	0	0	0	0	0.0400	0.0700	0.620	0.0400
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	1620	1580	0.005	0.0050	0.0500	0.0500	0.250	0.155	0.807	1.43
Maximum	0.0031	0.0031	1710	1740	0.005	0.0050	0.0500	0.0500	0.312	0.250	1.69	1.49
% of values undetected	100%	100%	0%	0%	100%	100%	100%	100%	50%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.1407643	0.120	NA	NA	NA	NA	NA	NA	NA	NA	22.87	22.55
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS6												
Sample Date												
08/24/06	**0.0031**	**0.0031**	1690	1940	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.702**	**0.836**	1.89	
08/11/07	**0.0031**	**0.0031**	1960	1920	**0.0050**	**0.0050**	**0.050**	**0.050**	1.14	**0.895**	1.43	1.07
Mean	0.0031	0.0031	1830	1930	0.0050	0.0050	0.050	0.050	0.920	0.866	1.66	1.07
Median	0.0031	0.0031	1830	1930	0.0050	0.0050	0.050	0.050	0.920	0.866	1.66	1.07
St. Deviation	0	0	190	10	0	0	0	0	0.310	0.0420	0.330	nA
# of values	2	2	2	2	2	2	2	2	2	2	2	1
Minimum	0.0031	0.0031	1690	1920	0.005	0.0050	0.0500	0.0500	0.702	0.836	1.43	1.07
Maximum	0.0031	0.0031	1960	1940	0.005	0.0050	0.0500	0.0500	1.14	0.895	1.89	1.07
% of values undetected	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.3908681	0.332	NA	NA	NA	NA	NA	NA	NA	NA	37.83	37.30
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
TPS7															
Sample Date															
08/24/06	10.5	96.5	22.0	177.5	0.560	7.25	11.7	8.38	71.3	1.12	**1.57**	24.0	**0.0155**	**0.0155**	**0.0155**
08/11/07	8.13	90.0	22.0	-74.80	0.530	8.00	20.4	11.0	17.5	1.10	**1.57**	**1.55**	**0.0155**		
Mean	9.30	93.0	22.0	51.40	0.500	7.60	20.0	9.70	44.4	1.10	1.57	12.8	0.0155	0.0155	0.0155
Median	9.30	93.0	22.0	51.40	0.500	7.60	20.0	9.70	44.4	1.10	1.57	12.8	0.0155	0.0155	0.0155
St. Deviation	1.65	5.00	0.0	178.4	0.0000	0.500	10	1.90	38.0	0.0	0	15.9	0	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	8.13	90.0	22.0	-74.8	0.53	7.25	11.7	8.38	17.5	1.1	1.57	1.55	0.0155	0.0155	0.0155
Maximum	10.5	96.5	22.0	177.5	0.56	8.00	20.4	11	71.3	1.12	1.57	24	0.0155	0.0155	0.0155
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	50%	100%	100%	100%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS8															
Sample Date															
08/24/06	10.7	96.6	72.0	191.3	0.660	7.37	10.7	31.7	40.0	1.00	**1.57**	**8.00**	0.243	**0.0155**	0.243
08/11/07	8.30	83.6	65.0	-26.40	1.57	7.48	16.7	36.3	42.5	1.40	**1.57**	30.4	**0.0500**		
Mean	9.50	90.1	69.0	82.00	1	7.43	10.0	34.0	41.0	1.00	1.57	19.0	0.150	0.0155	0.243
Median	9.50	90.1	69.0	82.00	1	7.43	10.0	34.0	41.0	1.00	1.57	19.0	0.150	0.0155	0.243
St. Deviation	1.70	9.20	5.0	154.0	1.000	0.0800	0	3.30	2.00	0	0	16.0	0.140	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	8.30	83.6	65.0	-26.40	0.660	7.37	10.7	31.7	40.0	1.00	1.57	8.00	0.0500	0.0155	0.243
Maximum	10.7	96.6	72.0	191.3	1.57	7.48	16.7	36.3	42.5	1.40	1.57	30.4	0.243	0.0155	0.243
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	50%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS7																
Sample Date																
08/24/06	**0.00600**	**0.05**	0.756	**0.0155**	10.7	**0.00075**	**0.00075**	**0.0155**	20.2	14.0	**0.0250**	**0.0250**	0.658	0.636	1.21	1.35
08/11/07	0.0171		0.447	**0.0155**	0.478	**0.00075**	**0.00075**	**0.0155**	52.5	32.7	**0.0496**	0.0586	0.931	0.907	1.39	
Mean	0.0120	0.05	0.602	0.0155	5.59	0.00075	0.00075	0.0155	36.4	23.0	0.0370	0.0420	0.795	0.772	1.30	1.35
Median	0.0120	0.05	0.602	0.0155	5.59	0.00075	0.00075	0.0155	36.4	23.0	0.0370	0.0420	0.795	0.772	1.30	1.35
St. Deviation	0.00800	NA	0.218	0	7.23	0	0	0	22.8	13.0	0.0170	0.0240	0.193	0.192	0.130	NA
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1
Minimum	0.00600	0.05	0.447	0.0155	0.478	0.00075	0.00075	0.0155	20.2	14.0	0.0250	0.0250	0.658	0.636	1.21	1.35
Maximum	0.0171	0.05	0.756	0.0155	10.7	0.00075	0.00075	0.0155	52.5	32.7	0.0496	0.0586	0.931	0.907	1.39	1.35
% of values undetected	0%	100%	0%	100%	0%	100%	100%	100%	0%	0%	50%	50%	0%	0%	0%	0%
# of values between MDL and PQL	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	5.12	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS8																
Sample Date																
08/24/06	**0.00700**	**0.0155**	0.694	**0.0155**	0.809	**0.00075**	**0.00075**	**0.0155**	12.6	6.11	0.0798	0.0726	1.29	1.01	4.09	3.91
08/11/07	0.0221		0.503	**0.0155**	7.37	**0.00075**	**0.00075**	**0.0155**	23.5	12.4	0.107	0.117	3.25	2.82	4.11	4.68
Mean	0.0150	0.0155	0.599	0.0155	4.09	0.00075	0.00075	0.0155	18.1	9.30	0.0930	0.0950	2.27	1.92	4.10	4.30
Median	0.0150	0.0155	0.599	0.0155	4.09	0.00075	0.00075	0.0155	18.1	9.30	0.0930	0.0950	2.27	1.92	4.10	4.30
St. Deviation	0.0110	NA	0.135	0	4.64	0	0	0	7.70	4.40	0.0190	0.0310	1.39	1.28	0.0100	0.540
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.00700	0.0155	0.503	0.0155	0.809	0.00075	0.00075	0.0155	12.6	6.11	0.0798	0.0726	1.29	1.01	4.09	3.91
Maximum	0.0221	0.0155	0.694	0.0155	7.37	0.00075	0.00075	0.0155	23.5	12.4	0.107	0.117	3.25	2.82	4.11	4.68
% of values undetected	0%	100%	0%	100%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	4.82	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS7																		
Sample Date																		
08/24/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2860	3240	**0.0500**		**0.0168**	0.0280	0.177		**10**	**10**
08/11/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3820	4160	0.432	0.304	0.0218	**0.0164**	0.258	0.279	28	**13**
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	3340	3700	0.240	0.304	0.0193	0.0220	0.218	0.279	19	11
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	3340	3700	0.240	0.304	0.0193	0.0220	0.218	0.279	19	11
St. Deviation	0	0	0	0	0	0	0.00780	0.0078	680	650	0.270	NA	0.00350	0.00800	0.0570	NA	13	2
# of values	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	2860	3240	0.0500	0.304	0.0168	0.0164	0.177	0.279	10	10
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	3820	4160	0.432	0.304	0.0218	0.0280	0.258	0.279	28.2	12.6
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	0%	0%	0%	0%	0%	50%	50%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.044	0.044	NA	NA	10.98	10.56276	NA	NA	1.136	1.091	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS8																		
Sample Date																		
08/24/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10600	11100	**0.100**		0.0422	0.0532	0.271		172	67
08/11/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12100	12700	0.367	0.448	0.0474	0.0374	0.388	0.252	412	288
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	11400	11900	0.230	0.448	0.0448	0.0453	0.330	0.252	292	178
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	11400	11900	0.230	0.448	0.0448	0.0453	0.330	0.252	292	178
St. Deviation	0	0	0	0	0	0	0.00780	0.0078	1100	1100	0.190	NA	0.0037	0.0112	0.0830	NA	170	156
# of values	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10600	11100	0.100	0.448	0.0422	0.0374	0.271	0.252	172	67
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	12100	12700	0.367	0.448	0.0474	0.0532	0.388	0.252	412	288
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.116	0.111	NA	NA	10.98	10.56276	NA	NA	3.517	3.376	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS7																
Sample Date																
08/24/06	0.502	0.412	302	352	1.14	0.398	**0.0004745**	**0.0418**	**0.0304**	**0.100**		222	247	**0.155**	**0.155**	1380
08/11/07	**0.0155**	**0.0428**	356		2.11	0.416	**0.0001690**	0.0818	0.105	**0.0946**	**0.100**	221	267	**0.155**	**0.155**	1600
Mean	0.259	0.227	329	352	1.63	0.407	0.0003220	0.0618	0.0680	0.100	0.100	222	257	0.155	0.155	1490
Median	0.259	0.227	329	352	1.63	0.407	0.0003220	0.0618	0.0680	0.100	0.100	222	257	0.155	0.155	1490
St. Deviation	0.344	0.261	38	NA	0.690	0.0130	0.0002160	0.0283	0.0530	0	NA	1.00	14.0	0	0	160
# of values	2	2	2	1	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.0155	0.0428	302	352	1.14	0.398	0.000169	0.0418	0.0304	0.0946	0.100	221	247	0.155	0.155	1380
Maximum	0.502	0.412	356	352	2.11	0.416	0.0004745	0.0818	0.105	0.1	0.100	222	267	0.155	0.155	1600
% of values undetected	50%	0%	0%	0%	0%	0%	100%	0%	0%	50%	100%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.138	0.159	NA	NA	NA	NA	0.012	NA	NA	6.49	6.47	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS8																
Sample Date																
08/24/06	0.634	0.535	1280	1280	13.7	10.7	**0.0004745**	1.06	1.01	0.342		298	316	**0.155**	**0.155**	2470
08/11/07	**0.0384**	**0.0448**	1510	1570	19.2	7.51	**0.0007820**	1.69	1.59	0.207	0.352	368	397	**0.155**	**0.155**	3260
Mean	0.336	0.290	1400	1430	16.5	9.1	0.0006280	1.38	1.30	0.275	0.352	333	357	0.155	0.155	2870
Median	0.336	0.290	1400	1430	16.5	9.1	0.0006280	1.38	1.30	0.275	0.352	333	357	0.155	0.155	2870
St. Deviation	0.421	0.347	160	210	3.90	2.3	0.0002170	0.450	0.410	0.0950	NA	49.0	57.0	0	0	560
# of values	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.0384	0.0448	1280	1280	13.7	7.51	0.0004745	1.06	1.01	0.207	0.352	298	316	0.155	0.155	2470
Maximum	0.634	0.535	1510	1570	19.2	10.7	0.000782	1.69	1.59	0.342	0.352	368	397	0.155	0.155	3260
% of values undetected	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.744	0.712	NA	NA	NA	NA	0.012	NA	NA	19.86	19.80	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPS7												
Sample Date												
08/24/06	**0.0031**	**0.0031**	828	948	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.46	1.80
08/11/07	**0.0031**	**0.0031**	986	1090	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.79	1.28
Mean	0.0031	0.0031	907	1019	0.0050	0.0050	0.050	0.050	0.200	0.200	1.63	1.50
Median	0.0031	0.0031	907	1019	0.0050	0.0050	0.050	0.050	0.200	0.200	1.63	1.50
St. Deviation	0	0	112	100	0	0	0	0	0.0700	0.0700	0.230	0.400
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	828	948	0.0050	0.0050	0.0500	0.0500	0.155	0.155	1.46	1.28
Maximum	0.0031	0.0031	986	1090	0.0050	0.0050	0.0500	0.0500	0.250	0.250	1.79	1.80
% of values undetected	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.0586093	0.050	NA	NA	NA	NA	NA	NA	NA	NA	14.86	14.65
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TPS8												
Sample Date												
08/24/06	**0.0031**	**0.0031**	2110	2150	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.74	
08/11/07	**0.0031**	**0.0031**	2510	2570	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.416**	**0.155**	1.28	1.14
Mean	0.0031	0.0031	2310	2360	0.0050	0.0050	0.050	0.050	0.330	0.200	1.51	1.14
Median	0.0031	0.0031	2310	2360	0.0050	0.0050	0.050	0.050	0.330	0.200	1.51	1.14
St. Deviation	0	0	280	300	0	0	0	0	0.120	0.0700	0.330	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	1
Minimum	0.0031	0.0031	2110	2150	0.0050	0.005	0.050	0.050	0.250	0.155	1.28	1.14
Maximum	0.0031	0.0031	2510	2570	0.0050	0.005	0.050	0.050	0.416	0.250	1.74	1.14
% of values undetected	100%	100%	0%	0%	100%	100%	100%	100%	50%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.5696684	0.484	NA	NA	NA	NA	NA	NA	NA	NA	45.54	44.91
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
WIGGLY															
Sample Date															
08/15/06	9.33	85.4	57.0	222.6	0.680	7.43	11.2	23.8	45.0	4.10	**1.57**	28.0	**0.0640**	**0.0155**	**0.0475**
08/12/07	8.25	85.4	57.0	-62.90	0.990	8.19	17.0	28.4	40.0	0.989	**1.57**	28.3	**0.0500**		
Mean	8.79	85.4	57.0	79.90	0.800	7.81	10	26.1	43.0	2.54	1.57	28.0	0.0600	0.0155	0.0475
Median	8.79	85.4	57.0	79.90	0.800	7.81	10	26.1	43.0	2.54	1.57	28.0	0.0600	0.0155	0.0475
St. Deviation	0.760	0	0.0	201.9	0.200	0.540	0.00	3.30	4.00	2.20	0	0	0.0100	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	8.25	85.4	57.0	-62.90	0.680	7.43	11.2	23.8	40	0.989	1.57	28	0.05	0.0155	0.0475
Maximum	9.33	85.4	57.0	222.6	0.990	8.19	17.0	28.4	45	4.1	1.57	28.3	0.064	0.0155	0.0475
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	50%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WLP01															
Sample Date															
07/26/06	6.58	64.0	42.0	38.20	0.780	6.60	13.9	18.0	45.0	1.20	**2.00**	**20.0**	**0.0525**	**0.0155**	**0.0460**
08/10/07	7.71	83.1	45.0	-62.70	2.89	7.91	19.0	19.1	32.5	1.50	**1.57**	15.5	**0.0480**		
Mean	7.15	74.0	44.0	-12.30	2	7.30	20	19.0	39.0	1.40	1.80	18.0	0.0500	0.0155	0.0460
Median	7.15	74.0	44.0	-12.30	2	7.30	20	19.0	39.0	1.40	1.80	18.0	0.0500	0.0155	0.0460
St. Deviation	0.80	14.0	2.0	71.30	1	0.900	0.00	1.00	9.00	0.200	0.300	3.00	0.0030	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	6.58	64	42.0	-62.7	0.78	6.60	13.9	18.0	32.5	1.20	1.57	15.5	0.0480	0.0155	0.0460
Maximum	7.71	83.1	45.0	38.2	2.89	7.91	19.0	19.1	45.0	1.50	2.00	20.0	0.0525	0.0155	0.0460
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WIGGLY																
Sample Date																
08/15/06	0.0140	**0.0155**	0.437	**0.0390**	2.50	**0.00075**	**0.0025**	**0.0500**	22.5	4.85	**0.00750**	**0.0075**	**0.155**	**0.155**	2.99	2.76
08/12/07	0.0224		0.322	**0.0155**	1.99	**0.00075**	**0.00075**	**0.0155**	12.1	6.71	**0.0210**	**0.0296**	0.505	**0.342**	3.31	3.32
Mean	0.0180	0.0155	0.380	0.0270	2.20	0.00075	0.0016	0.0330	17.3	5.78	0.0140	0.0186	0.330	0.249	3.15	3.04
Median	0.0180	0.0155	0.380	0.0270	2.20	0.00075	0.0016	0.0330	17.3	5.78	0.0140	0.0186	0.330	0.249	3.15	3.04
St. Deviation	0.00600	NA	0.0810	0.0170	0.400	0	0.0012	0.0240	7.40	1.32	0.0100	0.0156	0.247	0.132	0.230	0.400
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0140	0.0155	0.322	0.0155	1.99	0.00075	0.00075	0.0155	12.1	4.85	0.00750	0.0075	0.155	0.155	2.99	2.76
Maximum	0.0224	0.0155	0.437	0.0390	2.5	0.00075	0.0025	0.0500	22.5	6.71	0.0210	0.0296	0.505	0.342	3.31	3.32
% of values undetected	0%	100%	0%	50%	0%	100%	100%	100%	0%	0%	50%	50%	50%	50%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	4.48	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WLP01																
Sample Date																
07/26/06	0.0170	**0.0155**	0.615	**0.0370**	4.39	**0.0020**	**0.0020**	**0.0590**	31.6	13.2	**0.0210**	**0.0204**	**0.155**	**0.155**	5.42	5.17
08/10/07	0.0204		0.417	**0.0155**	4.76	**0.00075**	**0.00075**	**0.0155**	66.9	24.4	**0.0214**	**0.0306**	0.580	**0.155**	4.32	4.19
Mean	0.0190	0.0155	0.516	0.0260	4.58	0.0014	0.0014	0.0370	49.3	18.8	0.0210	0.0255	0.370	0.155	4.87	4.68
Median	0.0190	0.0155	0.516	0.0260	4.58	0.0014	0.0014	0.0370	49.3	18.8	0.0210	0.0255	0.370	0.155	4.87	4.68
St. Deviation	0.00200	NA	0.140	0.0150	0.260	0.00090	0.0009	0.0310	25.0	7.90	0	0.00720	0.300	0	0.780	0.690
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0170	0.0155	0.417	0.0155	4.39	0.00075	0.00075	0.0155	31.6	13.2	0.021	0.0204	0.155	0.155	4.32	4.19
Maximum	0.0204	0.0155	0.615	0.0370	4.76	0.0020	0.0020	0.0590	66.9	24.4	0.0214	0.0306	0.580	0.155	5.42	5.17
% of values undetected	0%	100%	0%	50%	0%	50%	50%	50%	0%	0%	0%	0%	50%	100%	0%	0%
# of values between MDL and PQL	0	0	0	1	0	1	1	1	0	0	2	2	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	6.49	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WIGGLY																		
Sample Date																		
08/15/06	**0.0125**	**0.0125**	**0.0168**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6120	5620	0.225	**0.0500**	0.0612	0.0434	0.223	0.298	137	67
08/12/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7460	7330	0.431	0.332	0.0516	0.0430	0.301	0.280	102	71
Mean	0.0125	0.0125	0.0122	0.0075	1.25	1.25	0.0130	0.013	6790	6480	0.328	0.190	0.0564	0.0430	0.262	0.290	120	69
Median	0.0125	0.0125	0.0122	0.0075	1.25	1.25	0.0130	0.013	6790	6480	0.328	0.190	0.0564	0.0430	0.262	0.290	120	69
St. Deviation	0	0	0.0066	0	0	0	0.00780	0.0078	950	1210	0.146	0.200	0.00680	0	0.0550	0.0100	25	3
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6120	5620	0.225	0.0500	0.0516	0.0430	0.223	0.280	102	67
Maximum	0.0125	0.0125	0.0168	0.0075	1.25	1.25	0.0185	0.0185	7460	7330	0.431	0.332	0.0612	0.0434	0.301	0.298	137	71
% of values undetected	100%	100%	50%	100%	100%	100%	100%	100%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.094	0.091	NA	NA	10.98	10.56276	NA	NA	2.759	2.648	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WLP01																		
Sample Date																		
07/26/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4900	4760	**0.100**	0.215	0.0790	0.0584	2.66	2.26	290	128
08/10/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5160	5370	0.293	0.424	0.0660	0.0360	2.91	2.09	356	146
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	5030	5070	0.200	0.320	0.0730	0.0470	2.79	2.18	323	137
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	5030	5070	0.200	0.320	0.0730	0.0470	2.79	2.18	323	137
St. Deviation	0	0	0	0	0	0	0.00780	0.0078	180	430	0.140	0.148	0.00900	0.01600	0.180	0.120	47	13
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4900	4760	0.1	0.215	0.066	0.036	2.66	2.09	290	128
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5160	5370	0.293	0.424	0.079	0.0584	2.91	2.26	356	146
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.076	0.075	NA	NA	10.98	10.56276	NA	NA	2.161	2.074	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WIGGLY																
Sample Date																
08/15/06	**0.0500**	0.157	2070	2010	9.05	3.41	**0.002500**	0.0978	0.0980	0.225	0.423	329	300	**0.155**	**0.155**	1530
08/12/07	**0.0155**	**0.0314**	2380	2240	7.01	1.62	**0.0003580**	0.178	0.181	0.211	0.320	367	380	**0.155**	**0.155**	1590
Mean	0.0330	0.0940	2230	2130	8.03	2.52	0.001430	0.138	0.140	0.218	0.370	348	340	0.155	0.155	1560
Median	0.0330	0.0940	2230	2130	8.03	2.52	0.001430	0.138	0.140	0.218	0.370	348	340	0.155	0.155	1560
St. Deviation	0.0240	0.0890	220	160	1.44	1.27	0.001510	0.0570	0.0590	0.0100	0.0700	27.0	60.0	0	0	40
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0155	0.0314	2070	2010	7.01	1.62	0.0003580	0.0978	0.0980	0.211	0.320	329	300	0.155	0.155	1530
Maximum	0.0500	0.157	2380	2240	9.05	3.41	0.002500	0.178	0.181	0.225	0.423	367	380	0.155	0.155	1590
% of values undetected	100%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.518	0.517	NA	NA	NA	NA	0.012	NA	NA	15.61	15.57	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WLP01																
Sample Date																
07/26/06	**0.0500**		1400	1310	20.9	14.6	**0.0004745**	0.861	0.886	0.209		503	498	**0.155**	**0.155**	618
08/10/07	**0.0456**	**0.0155**	1520	1610	18.6	8.47	**0.0005970**	0.967	0.995	0.327	0.227	411	404	**0.155**	**0.155**	828
Mean	0.0480	0.0155	1460	1460	19.8	11.5	0.0005360	0.914	0.941	0.268	0.227	457	451	0.155	0.155	723
Median	0.0480	0.0155	1460	1460	19.8	11.5	0.0005360	0.914	0.941	0.268	0.227	457	451	0.155	0.155	723
St. Deviation	0.00300	NA	80	210	1.60	4.30	0.000087	0.0750	0.0770	0.0830	NA	65.0	66.0	0	0	148
# of values	2	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2
Minimum	0.0456	0.0155	1400	1310	18.6	8.47	0.0004745	0.861	0.886	0.209	0.227	411	404	0.155	0.155	618
Maximum	0.05	0.0155	1520	1610	20.9	14.6	0.000597	0.967	0.995	0.327	0.227	503	498	0.155	0.155	828
% of values undetected	50%	100%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%
# of values between MDL and PQL	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.360	0.375	NA	NA	NA	NA	0.012	NA	NA	12.26	12.22	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WIGGLY												
Sample Date												
08/15/06	**0.0031**	**0.0031**	2270	2270	**0.0102**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	1.24	1.65
08/12/07	**0.0031**	**0.0031**	2710	2530	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	1.81	1.06
Mean	0.0031	0.0031	2490	2400	0.0080	0.0050	0.050	0.050	0.200	0.200	1.53	1.36
Median	0.0031	0.0031	2490	2400	0.0080	0.0050	0.050	0.050	0.200	0.200	1.53	1.36
St. Deviation	0	0	310	180	0.0040	0	0	0	0.0700	0.0700	0.400	0.420
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	2270	2270	0.0050	0.005	0.050	0.050	0.155	0.155	1.24	1.06
Maximum	0.0031	0.0031	2710	2530	0.0102	0.005	0.050	0.050	0.250	0.250	1.81	1.65
% of values undetected	100%	100%	0%	0%	50%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	1	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.3493787	0.297	NA	NA	NA	NA	NA	NA	NA	NA	35.80	35.29
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WLP01												
Sample Date												
07/26/06	**0.0031**	**0.0031**	1830	2160	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	**0.500**	1.82
08/10/07	**0.0031**	**0.0070**	2160	2250	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	4.21	1.40
Mean	0.0031	0.0050	2000	2210	0.0050	0.0050	0.050	0.050	0.200	0.200	2.40	1.60
Median	0.0031	0.0050	2000	2210	0.0050	0.0050	0.050	0.050	0.200	0.200	2.40	1.60
St. Deviation	0	0.0030	230	60	0	0	0	0	0.0700	0.0700	2.60	0.300
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	1830	2160	0.0050	0.0050	0.0500	0.0500	0.155	0.155	0.5	1.4
Maximum	0.0031	0.0070	2160	2250	0.0050	0.0050	0.0500	0.0500	0.2500	0.25	4.21	1.82
% of values undetected	100%	50%	0%	0%	100%	100%	100%	100%	100%	100%	50%	0%
# of values between MDL and PQL	0	1	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.213672	0.182	NA	NA	NA	NA	NA	NA	NA	NA	28.10	27.70
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters Total/Dissolved Units	Field Diss. Oxygen mg/L	Field Diss. Oxygen %	Field Specific Conductivity uS/cm	Field Oxidation Reduction Potential mV	Field Turbidity NTU	Field pH pH Units	Field Water Temperature °C	Hardness mg/L	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate/ Nitrite mg/L	Nitrite mg/L	Nitrate mg/L
WLS04D															
Sample Date															
07/26/06	6.85	65.6	5.0	222.5	0.290	5.56	13.5	1.51	21.2	0.500	**1.75**	**1.55**	**0.0445**	**0.0155**	**0.0355**
08/11/07	6.66	68.8	1.0	-57.60	1.62	8.57	16.8	1.32	11.3	1.30	**5.00**	**1.55**	**0.0500**		
Mean	6.76	67.2	3.0	82.50	1.000	7.07	15.0	1.42	16.3	0.900	3.40	1.55	0.0470	0.0155	0.0355
Median	6.76	67.2	3.0	82.50	1.000	7.07	15.0	1.42	16.3	0.900	3.40	1.55	0.0470	0.0155	0.0355
St. Deviation	0.130	2.30	2.8	198.1	0.900	2.13	2	0.130	7.00	0.600	2.30	0	0.00400	NA	NA
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
Minimum	6.66	65.6	1.0	-57.6	0.29	5.56	13.46	1.32	11.3	0.5	1.75	1.55	0.0445	0.0155	0.0355
Maximum	6.85	68.8	5.0	222.5	1.62	8.57	16.82	1.51	21.2	1.3	5	1.55	0.0500	0.0155	0.0355
% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	50%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>=7	NA	NA	NA	NA	>6.5 and <8.5	NA	NA	NA	NA	NA	>=20	NA	NA	NA
Drinking Water Standards (DWS)[2]	>=4	NA	NA	NA	NA	>6.0 and <8.5	NA	NA	500	NA	NA	NA	10	NA	NA
% of CALC exceedences	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Ammonia[3]	Aluminum		Antimony		Arsenic		Barium	
Total/Dissolved									Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WLS04D																
Sample Date																
07/26/06	**0.00800**	**0.0155**	0.814	**0.0155**	0.632	**0.00075**	**0.00075**	**0.0340**	36.8	26.7	**0.0254**	**0.0075**	**0.155**	**0.155**	0.934	0.775
08/11/07	0.0164		0.450	**0.0155**	0.329	**0.00075**	**0.00075**	**0.0155**	78.1	44.4	**0.00750**	**0.0270**	**0.155**	**0.155**	0.980	1.05
Mean	0.0120	0.0155	0.630	0.0155	0.481	0.00075	0.00075	0.0250	57.5	35.6	0.0165	0.0170	0.155	0.155	0.960	0.910
Median	0.0120	0.0155	0.630	0.0155	0.481	0.00075	0.00075	0.0250	57.5	35.6	0.0165	0.0170	0.155	0.155	0.960	0.910
St. Deviation	0.00600	NA	0.260	0	0.214	0	0	0.0130	29.2	12.5	0.0127	0.0140	0	0	0.0300	0.190
# of values	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.008	0.0155	0.45	0.0155	0.329	0.00075	0.00075	0.0155	36.8	26.7	0.00750	0.0075	0.155	0.155	0.934	0.775
Maximum	0.0164	0.0155	0.814	0.0155	0.632	0.00075	0.00075	0.0340	78.1	44.4	0.0254	0.0270	0.155	0.155	0.980	1.05
% of values undetected	0%	100%	0%	100%	0%	100%	100%	50%	0%	0%	50%	50%	100%	100%	0%	0%
# of values between MDL and PQL	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	230	NA	NA	NA	0.0052	7.02	87	87	NA	NA	150	150	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	250	4	250	NA	0.2	NA	NA	NA	6	NA	10	NA	2,000	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WLS04D																		
Sample Date																		
07/26/06	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	392	334	**0.100**	0.204	0.0214	**0.0100**	0.279		24	21
08/11/07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	342		0.338	0.304	**0.0150**	**0.00500**	0.430	0.430	**18**	**8**
Mean	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	367	334	0.220	0.254	0.0180	0.00800	0.350	0.430	21	14
Median	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.013	367	334	0.220	0.254	0.0180	0.00800	0.350	0.430	21	14
St. Deviation	0	0	0	0	0	0	0.00780	0.0078	35	NA	0.170	0.0710	0.00500	0.00400	0.110	NA	4	9
# of values	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1	2	2
Minimum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	342	334	0.100	0.204	0.0150	0.00500	0.279	0.43	18	8
Maximum	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	392	334	0.338	0.304	0.0214	0.01000	0.430	0.43	24	21
% of values undetected	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	0.011	0.012	NA	NA	2.5044111	2.1537935	NA	NA	0.233	0.223	1000	1000
Drinking Water Standards (DWS)[2]	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium		Selenium		Silicon
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WLS04D																
Sample Date																
07/26/06	**0.0155**		128	109	1.51	1.17	**0.0004745**	**0.0145**	**0.0145**	**0.0310**	**0.100**	237	233	**0.155**	**0.155**	103
08/11/07	**0.0155**	**0.0155**	114		1.49	1.20	**0.0001690**	**0.0236**	**0.0408**	**0.0768**	**0.100**	208	226	**0.155**	**0.155**	184
Mean	0.0155	0.0155	121	109	1.50	1.20	0.0003220	0.0191	0.0277	0.0540	0.100	223	230	0.155	0.155	144
Median	0.0155	0.0155	121	109	1.50	1.20	0.0003220	0.0191	0.0277	0.0540	0.100	223	230	0.155	0.155	144
St. Deviation	0	NA	10	NA	0.0100	0	0.0002160	0.00640	0.0186	0.0320	0	21.0	5.00	0	0	57
# of values	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0155	0.0155	114	109	1.49	1.17	0.000169	0.0145	0.0145	0.031	0.1	208	226	0.155	0.155	103
Maximum	0.0155	0.0155	128	109	1.51	1.2	0.0004745	0.0236	0.0408	0.0768	0.1	237	233	0.155	0.155	184
% of values undetected	100%	100%	0%	0%	0%	0%	100%	50%	50%	50%	100%	0%	0%	100%	100%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.013	0.018	NA	NA	NA	NA	0.012	NA	NA	1.35	1.34	NA	NA	5	4.6	NA
Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA	50	NA	NA
% of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WLS04D												
Sample Date												
07/26/06	**0.0031**	**0.0031**	510	541	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	2.34	2.81
08/11/07	**0.0031**	**0.0031**	584	620	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.155**	**0.155**	2.75	1.28
Mean	0.0031	0.0031	547	581	0.0050	0.0050	0.050	0.050	0.200	0.200	2.55	2.05
Median	0.0031	0.0031	547	581	0.0050	0.0050	0.050	0.050	0.200	0.200	2.55	2.05
St. Deviation	0	0	52	56	0	0	0	0	0.0700	0.0700	0.290	1.08
# of values	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	0.0031	0.0031	510	541	0.005	0.005	0.050	0.050	0.155	0.155	2.34	1.28
Maximum	0.0031	0.0031	584	620	0.005	0.005	0.050	0.050	0.250	0.250	2.75	2.81
% of values undetected	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	0.0024052	0.002	NA	NA	NA	NA	NA	NA	NA	NA	3.08	3.04
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Key:
Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

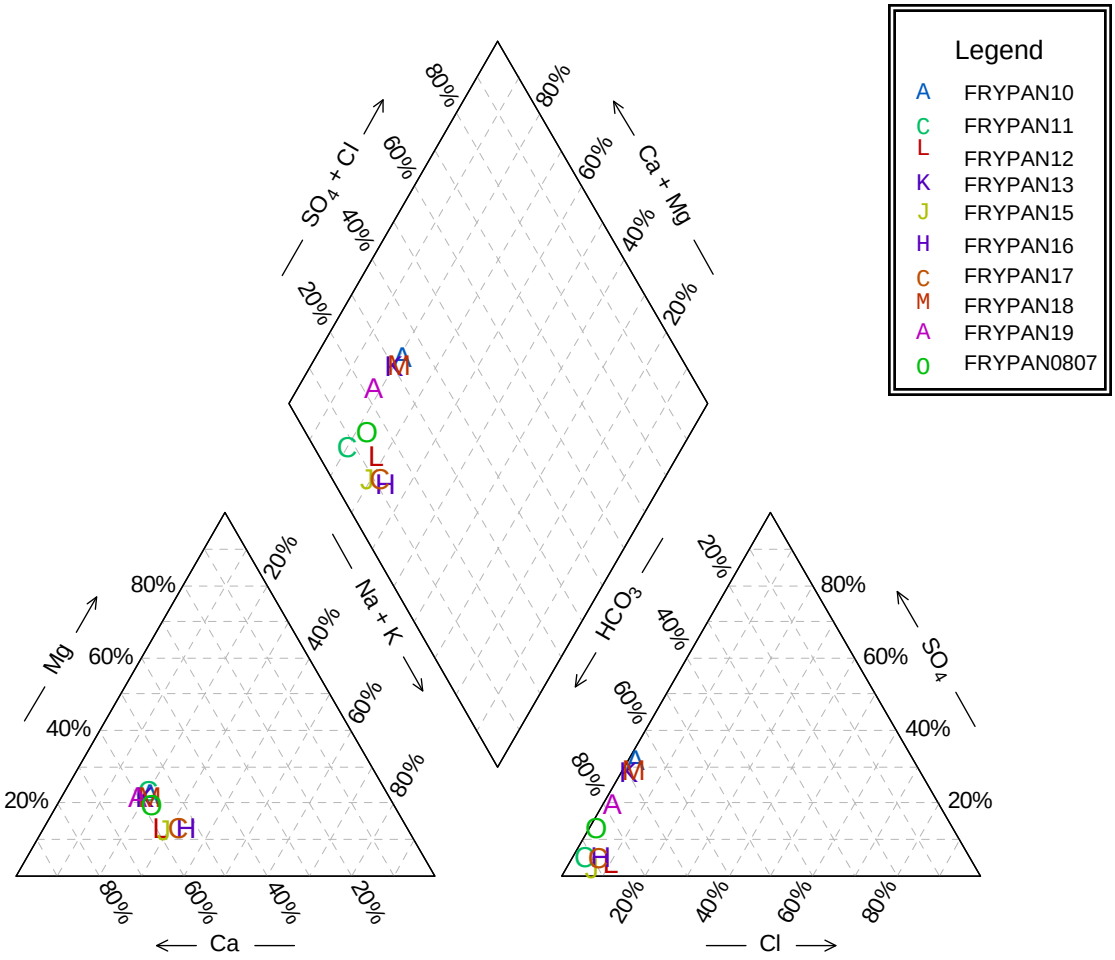
Footnotes:
(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

APPENDIX 9.1M

Piper Plots for Lakes, Mine Study Area
2004-2008

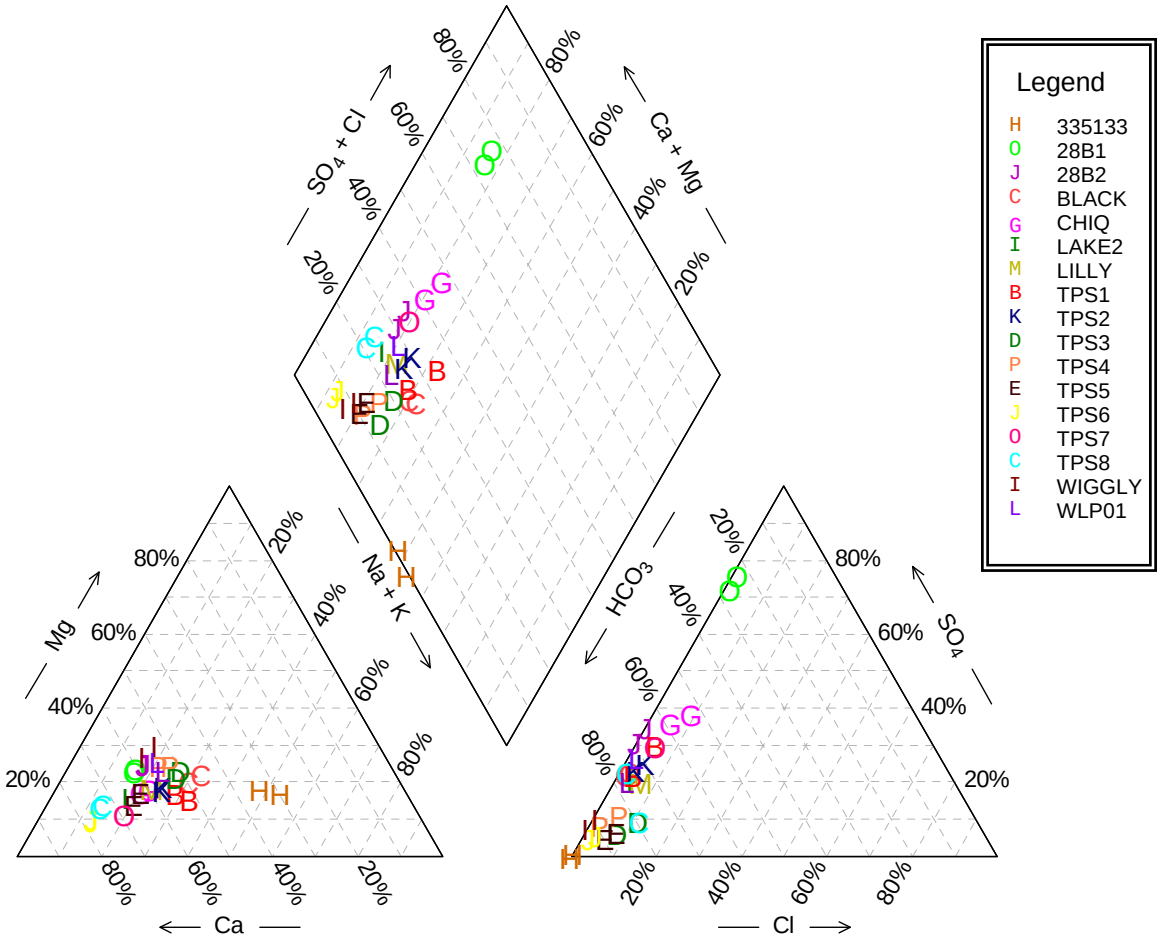
FRYING PAN LAKE

FRYING PAN LAKE



LAKES IN THE STUDY AREA OTHER THAN FRYING PAN LAKE

LAKES IN THE STUDY AREA OTHER THAN FRYING PAN LAKE



9.2. Groundwater—Mine

9.2.1. Introduction

This section discusses the groundwater sampling results from the beginning of the sampling program in September 2004 up to December 2008. The data were analyzed to identify spatial and temporal variations, and were also compared with water quality criteria to provide a context for groundwater quality. The objective of the following discussion is to report on the baseline groundwater sampling and analysis completed up to and including December 2008, and the current understanding of groundwater chemistry based on this sampling.

9.2.2. Study Objectives

The objectives of the baseline groundwater sampling program include the following:

- Characterize current groundwater resources.
- Support assessments of aquatic and fish resources, and wetlands habitat.

This portion of the water quality study provides groundwater quality data in the vicinity of the Pebble Deposit. Monitoring wells have been installed over large areas to characterize the groundwater regime in a broad area.

The groundwater quality study is interfaced with concurrent baseline studies of surface water hydrology and surface water quality. The surface water quality data are discussed in Section 9.1.

9.2.3. Scope of Work

The scope of work for the groundwater program included the following tasks:

- Measurement of field parameters (temperature, dissolved oxygen [DO], pH, and electrical conductivity) for all sampled wells (Appendix 9.2A).
- Collection of quarterly samples from 39 groundwater monitoring wells from September 2004 to December 2008 (551 samples).
- Collection of a single set of seven samples from drill hole DH-8417 to a depth of about 4000 feet.
- Analysis (Appendix 9.2B) and interpretation (Appendix 9.2C, Appendix 9.2D, Appendix 9.2E, Appendix 9.2F, Appendix 9.2G, Appendix 9.2H, Appendix 9.2I) of the samples that were collected.

The samples were collected according to the protocol laid out in the Consolidated Study Plan, the Field Sampling Plan, and the Quality Assurance Project Plan (QAPP) for Pebble Project (Appendix E, F, and G, respectively, of this environmental baseline document [EBD]). The September 2004 samples were collected by CH2M Hill Inc., and the October 2004 samples were collected by Bristol Environmental and Engineering Services Corp. All other samples were collected by SLR Alaska (SLR).

9.2.4. Methods

9.2.4.1. Site Selection

Groundwater-sampling sites (Figure 9.2-1) were selected to collect data in the general deposit area. Most of these sampling locations have nested wells in separate boreholes with screens completed at different depths (Table 9.2-1), which allow groundwater to be collected from various depths within the groundwater system and facilitates interpretation of three-dimensional groundwater flowpaths. As the site investigations expanded each year, the number of wells regularly increased from 21 wells at 10 locations in 2004 to 39 wells at 20 locations in 2008. By 2008, 14 of the sampled wells were completed in bedrock and 25 were completed in overburden. In addition, deep bedrock drillhole DH-8417 (4,050 feet) was sampled once during drilling in 2008 at seven depth intervals.

9.2.4.2. Well Naming Convention

Examples of names for monitoring wells include the following:

- PQ4
- DH-8417
- SRK3
- MW-5S
- P-06-37D

The prefix in the name indicates the program from which the installation originated, as follows:

- PQ: drilling associated with collecting rock core samples for acid-base accounting;
- DH: an exploration drill hole;
- KP and SRK: geotechnical drilling;
- MW and P: hydrogeology program.

In some cases, the year of installation is indicated in the name immediately after the prefix, as in well P-06-37D, which was installed in 2006. The number in the drill hole name is a sequential number that originated from the respective program. For example, well MW-5S was the fifth installation in the series of “MW” installations. Finally, monitoring wells were installed at multiple depths at a given location in many cases. The suffixes used for indicating relative depth were as follows:

- S: the most shallow installation;
- M: the installation at an intermediate depth, if one was installed;
- D: the deepest installation.

Each suffix indicates the relative depth of the installation at a particular site but does not indicate the absolute depth.

9.2.4.3. Groundwater Sampling Methods

Groundwater sampling protocols identified and discussed in the Consolidated Study Plan (Appendix F of this EBD) were used to collect the groundwater samples. Sampling events were timed to coincide with (1) high groundwater levels in the spring and early fall, (2) low groundwater levels in summer and winter, and (3) the surface water chemistry sampling program. Before sampling at each well, the depth to groundwater was measured using an electric well probe. Prior to installing the sampling port, the depth to groundwater was referenced to the top of the polyvinyl chloride (PVC) casing. After the sample port was installed, the depth to water was referenced to the top of the sampling port. A dedicated Fultz® electric submersible pump was used for sampling. This pump was used to purge groundwater from the well at rates of less than 0.5 liters (L) per minute (Lpm). During well purging, water quality parameters were measured using a Horiba® model U-22 multi-meter (2004 sampling) or YSI Model 556 multi-meter (2005 through 2008 sampling). Parameters measured included pH, conductivity, DO, temperature, and oxidation-reduction potential. After the minimum purge volume was purged, the sampler waited until the field parameter readings stabilized before collecting the sample. The meter was calibrated daily before use, and calibration specifics were recorded in field reports. At the end of purging, the purge water was tested for ferrous iron using a Hach® model 890 field kit during the early part of the sampling program, but was discontinued because ferrous iron was not detected. Samples were collected from the tubing discharge and placed directly into laboratory-prepared sample containers.

Water samples were collected for analysis of major ions, dissolved solids, nutrients (nitrogen and phosphorous), tritium, and total and dissolved metals. The field collection and filtering equipment used was made from Teflon, glass, or stainless steel to prevent sample contamination and to minimize analyte losses through adsorption. All sampling equipment was cleaned prior to use at each sampling site with a non-phosphate laboratory detergent and rinsed with distilled water. The submersible sampling pumps and filters were dedicated to individual wells. Triplicate samples were collected at more than 10 percent of the sampling sites. Field equipment rinse blanks were rarely required, because the sampling equipment was generally dedicated to the respective well. In those occasional instances, when a pump had to be borrowed from another well due to equipment malfunction, a rinse blank was collected and submitted to the laboratory.

Dissolved-metals samples were filtered in the field at the time of sampling through in-line, high-capacity 0.45-micrometer disposable filters. After the chain-of-custody forms were completed and the bottles were packed in coolers with gel-ice packs, they were shipped to SGS/CTE Environmental Services in Anchorage, Alaska. The quality assurance (QA) samples were sent to Columbia Analytical Services in Kelso, Washington. Table 9.0-1 lists the parameters that were analyzed by the project laboratories and their respective analytical methods.

In the deep bedrock well (DH-8417), groundwater samples were collected by airlift pumping from nine depth intervals while the hole was being drilled. To isolate depth intervals for pumping tests, two approaches were used. At shallower depths, the hole was cemented after the pumping was complete to seal the formation, then the hole was advanced by drilling through the cement. At greater depths, where the rock was more competent, the lower interval of the hole was isolated from the upper part by an inflatable packer, and water was pumped from the lower interval. Near the end of airlifting of each interval, a sample was collected. The sample concentrations may have been affected by the aeration associated with airlifting and by the presence of cement.

9.2.4.4. Data Interpretation Methods

The groundwater data were evaluated using several techniques, as described in the following paragraphs.

Logarithmic Scales

Data were often plotted on a logarithmic scale to make the low concentrations easier to distinguish. The use of logarithmic scales is explained in Chapter 9.0.

Percentile Distribution of Concentrations

The percentile distribution of concentrations was interpreted using box and whisker diagrams so that the full dataset could be assessed in a single plot. In respective diagrams, the data were grouped by both watershed and lithology so that differences and similarities would be evident. Similarly, the groundwater composition was assessed by plotting the data on Piper diagrams (Piper, 1944). This diagram allows the proportional content of each constituent to be assessed independently of absolute concentrations. The use of Piper plots is explained in Chapter 9.0.

Spatial Variation

Spatial variation of groundwater composition and concentration was assessed by plotting Stiff diagrams positioned at the respective well locations on the study area map. The overburden and bedrock wells were plotted in distinct colors so that similarities and differences could be assessed. These plots provided an easy means of simultaneously assessing sample composition and total dissolved solids (TDS) for each sampling snapshot.

Comparison with Water Quality Criteria

Groundwater concentrations were also compared with surface water criteria to provide context for the data, as described in the introduction to Chapter 9.

Temporal Trends

The data were analyzed in two steps to determine temporal trends. In the first step, the Mann Kendall statistical test was applied (Gibbons, 1994). This test calculates and compares the number of positive and negative slopes of all lines connecting the points in a time series diagram. If the number of positive slopes is statistically greater than the negative slopes, the hypothesis of an increasing trend is accepted. Conversely, if the number of negative slopes is statistically greater than the number of positive slopes, the hypothesis of a decreasing trend is accepted. This methodology had the advantage of processing a large number of station-constituent combinations and quickly providing a list of trending constituents at each station. Only datasets with more than 50 percent detects and a minimum of four data points were analyzed for trending. In the second step, all candidates where the Mann Kendall test calculated a probability of an increasing or decreasing trend greater than 95 percent were plotted in a time series diagram and the trend was visually rejected or confirmed (Appendix 9.2I). Undetected concentrations were plotted as half of the detection limit. Out of 821 parameter-well combinations, 209 candidates of a decreasing trend and 78 candidates for an increasing trend were flagged using the Mann Kendall trend test, and these combinations were subsequently inspected visually using time series diagrams.

Constituent Correlations

Constituent correlations resulting from geochemical reactions along the groundwater flowpaths were evaluated through a two-step analysis. In the first step of this analysis, two matrices of Pearson correlation coefficients (EPA, 2000) were calculated for overburden and bedrock samples using 45 parameters. The coefficient was calculated using the formula for the Pearson coefficient (EPA, 2000):

$$r_{xy} = \frac{\sum_{i=1}^{n}(x_i - \bar{x})(y_i - \bar{y})}{(n-1)s_x s_y}$$

Where:

x_i = concentration of parameter x in sample i.

y_i = concentration of constituent y in the same sample.

$\bar{x}$ = mean concentration of parameter x in all samples.

$\bar{y}$ = mean concentration of parameter x in all samples.

n = number of samples.

s_x = sample standard deviation for constituent x.

s_y = sample standard deviation for constituent y.

This coefficient ranges from 1 to -1, where 1 denotes a perfect proportional correlation (all points on a line with a positive slope), 0 denotes complete lack of correlation, and -1 denotes a perfect inverse correlation. The parameters included 42 chemical parameters, hydraulic conductivity, and sampling depth (Appendix 9.2H). The parameters were correlated on averaged values for each station rather than raw data to dampen the effect of data variability. Extreme concentrations that were previously flagged as outliers in the database were removed prior to averaging the data. A threshold of 0.8, which was based on the distribution of coefficient values, was used to select parameters that were potentially correlated. Correlation coefficients greater than 0.8 and less than -0.8 were then highlighted in each matrix (Appendix 9.2H).

In the second step, the highlighted parameter pairs were plotted on scatter plots to visually assess whether the parameters were actually correlated. The scatter plots were developed for elements that would be derived from minerals that were expected to be present in the aquifer of the study area. For example, calcium, magnesium, and bicarbonate were expected to correlate in the presence of carbonates. Similarly, silica and sodium were expected to correlate in the presence of sodium-feldspar. For most values that were highlighted during the first step, the scatter plot indicated that an extreme value was responsible for the high correlation coefficient and that the majority of constituents were actually not correlated.

9.2.4.5. Data Quality Checks

Ten percent of all groundwater samples were quality assurance/quality control (QA/QC) duplicates and triplicates. Laboratory data precision and reproducibility based on these samples is discussed in Appendix A, Analytical Quality Assurance/Quality Control Review. Additional quality control checks,

which were based on historical data and a comparison of field and laboratory measurements, were applied in the scope of this assessment of groundwater chemistry. The following paragraphs discuss these checks.

Comparison of Field and Laboratory Measured Electrical Conductivity

The field and laboratory measurements of conductivity were expected to be similar and, therefore, to be located close to the 1:1 line when plotted on a scatter plot (Figure 9.2-2). The dashed lines show the areas where the laboratory electrical conductivity deviated by less than 10 percent from the field conductivity. This diagram shows that the match between field and laboratory measurements was generally better at higher electrical conductivity values. A few outliers were identified, which were again verified in a time series plot of the field and laboratory measurements. The high laboratory value at PQ4 seemed to be a transcription error (missing decimal), since the value of 900 microSiemens (µS) per centimeter (cm) was 10 times higher than all other laboratory measurements and the field electrical conductivity indicated a value of 92 µS/cm. One laboratory measurement was too high for well MW-13D, and one measurement was too low for each of wells MW-12S and MW-14D. Samples from these wells were also checked for ion imbalance. The ion imbalance for well MW-12S (March 24, 2006) was greater than the data quality objective (DQO) of 5 percent. Therefore, the chemistry of this sample likely changed between the field and the laboratory. In the other two samples, one of the EC measurements was probably incorrect.

The field measurements of EC were generally more reliable, which was not necessarily expected because the EC is controlled by the concentration of TDS, which should not change in the sample bottle. In summary, although a few EC measurements were incorrectly transcribed, all but a few measurements were confirmed as reliable.

Comparison of Measured and Calculated Total Dissolved Solids

For a sample where all dissolved constituents were measured, the TDS can be calculated as the sum of all analyzed constituents and should be close to the measured TDS. When plotting the sum of measured concentrations (calculated TDS) against the measured TDS, all points will theoretically fall on the 1:1 line. Deviations from the line can have two causes:

- The measured TDS was inaccurate.
- One or several measured concentrations were inaccurate.

As shown in Figure 9.2-2, a few of the samples deviated noticeably from the 1:1 line. The dashed line above and below the 1:1 line delineates the area where the measured TDS values do not vary more than 10 percent from the calculated values. Samples where the measured and calculated TDS was much greater than 10 percent were again verified in the time series diagram. At well MW-3D, the calculated TDS was higher than the measured TDS on March 24, 2006. This difference could be explained by an anomalously high alkalinity concentration, which seemed to be also responsible for an ion imbalance greater than the DQO of 5 percent. For SRK3, the calculated TDS was consistently higher than the measured TDS, and this difference could not be explained. All values that deviated noticeably from the 1:1 were verified, and this observation was documented in the database. The plots of TDS used for interpreting groundwater chemistry used measured values in all cases.

Comparison of Measured TDS and Field Conductivity

The measured TDS was also compared to the field-measured EC (Figure 9.2-2). These parameters are expected to increase proportionally because they are both controlled by the total concentration of dissolved ions. A linear regression was calculated, which resulted in the following relationship:

TDS (mg/L) = 0.646 x EC (µS/cm)

The samples that departed the farthest from this line were the same samples that deviated in the other TDS and conductivity control plots.

In summary, only four samples out of 551, one from each of wells MW-14D, MW-5M, P-06-37M, and PQ4 were flagged as unreliable in the database as a result of the quality checks (Appendix 9.2C).

9.2.5. Results and Discussion

The following sections discuss the results of chemical analyses of the groundwater samples. The field parameters are tabulated in Appendix 9.2A, and the analytical results are tabulated in Appendix 9.2B. The discussion is organized into the following sub-sections:

- Field and Physical Parameters.
- Dissolved Major Ions.
- Nutrients.
- Dissolved Trace Elements.
- Cyanides.
- Constituent Correlations.
- Temporal Trend Analysis.
- Deep Groundwater Samples.

9.2.5.1. Field and Physical Parameters

The field and physical parameters include TDS, specific conductance, DO, temperature, oxidation-reduction potential, turbidity, and TSS. These parameters provide an overview of the general water-quality characteristics and, therefore, are discussed first before some of the more detailed analyses. The following paragraphs discuss each of these parameters in detail for all samples that were collected from September 2004 through October 2008.

Total Dissolved Solids

The TDS distribution in all watersheds is shown in Figure 9.2-3 for the overburden wells and in Figure 9.2-4 for bedrock wells. Figures 9.2-5 through 9.2-10 show the TDS distribution in the three watersheds for both overburden and bedrock wells.

Overburden: The concentrations of TDS in overburden ranged from 9 to 89 mg/L in the North Fork Koktuli River (NFK) watershed (Figure 9.2-5), from less than 3 to 500 mg/L in the South Fork Koktuli River (SFK) watershed (Figure 9.2-6), and from 11 to 212 mg/L in the Upper Talarik Creek (UT)

Watershed (Figure 9.2-7). The median concentrations in the NFK were tightly clustered between 32 and 70 mg/L, whereas the median concentrations in the SFK and UT watersheds depended strongly on sampling location. Specifically, well MW-12S, which was located in the general deposit area, had the highest median TDS at 446 mg/L. Two other wells had relatively high TDS in the SFK and UT watersheds: wells MW-5M at 178 mg/L (Figure 9.2-6) and SRK2 at 175 mg/L (Figure 9.2-7). These wells were located south of and within the general deposit area, respectively. The balance of the wells in the SFK and UT watersheds had median concentrations that were comparable to the wells in the NFK watershed.

Bedrock: The concentrations of TDS in bedrock ranged from 28 to 59 mg/L in the NFK watershed (Figure 9.2-8), from 23 to 400 mg/L in the SFK watershed (Figure 9.2-9), and from 56 to 233 mg/L in the UT watershed (Figure 9.2-10). Similar to the overburden, the range of median TDS concentrations in the SFK and UT watersheds was quite similar, except for the single well (well MW-12S) that had a much higher concentration. The highest TDS median values were measured in well MW-14D at 234 mg/L (Figure 9.2-9) and SRK3 at 213 mg/L (Figure 9.2-10). Well SRK3 was located in the general deposit area, but well MW-14D is located about 3 miles down-gradient from the general deposit area.

The TDS values were relatively low for a groundwater environment. The low TDS was likely partly due to the types of minerals in the overburden materials. At typical sites, these minerals consist mostly of two types: relatively high-solubility carbonates like calcite and dolomite, and relatively low-solubility silicates like feldspars, micas, and quartz. At this site, the minerals may include a greater proportion of low-solubility silicates rather than more soluble carbonates as reflected in the relatively low TDS concentrations. The low concentrations of dissolved solids were likely also partly due to a relatively high groundwater velocity within the study area. The high velocity decreases the contact time between the groundwater and aquifer minerals, and therefore decreases the mass of minerals that can dissolve.

TDS in groundwater environments is often higher in deep wells than shallow wells, because the TDS in natural groundwater is typically derived from dissolution of the minerals contained in the overburden or bedrock through which the groundwater migrates. This dissolution process is typically time dependent. Therefore, the longer the groundwater is in contact with the overburden or bedrock, the more the minerals dissolve and the higher the TDS. Therefore, the TDS often increases with depth because the flowpaths are longer, which results in longer contact time between the minerals and groundwater. The median TDS of all sampling events increased with depth at eight out of the 11 locations where depth-dependent data were available (Figure 9.2-11). The lower TDS values detected at greater depth at the other three locations might be explained by relatively fast flowpaths leading to those sampling zones.

None of the samples had TDS concentrations that were elevated compared to the most stringent ADEC maximum criteria of 500 mg/L for Alaska waters.

Specific Conductance

Specific conductance is directly correlated with TDS, which was already discussed in this section as was the correlation between specific conductance and TDS.

pH

Overburden: Most of the median field-measured pH values in overburden clustered between 6 and 7 (Figure 9.2-3). Specifically, the median values ranged from 6.0 to 7.5 in the NFK watershed, from 5.3 to

7.6 in the SFK watershed, and from 6.3 to 8.5 in the UT watershed (Figures 9.2-5, 9.2-6, and 9.2-7, respectively). The upper end of each range was due to only one or two wells in each watershed: wells MW-8D in NFK, MW-5M in SFK, and MW-2D and SRK2 in UT (Figure 9.2-3). The lower end of each range was defined by a single well (well MW-1S) in SFK and a cluster of values in the other two watersheds.

Bedrock: The range in median field pH from bedrock was similar to overburden. Specifically, the field pH values ranged from 5.3 to 11.0 in the NFK watershed (Figure 9.2-8), from 4.4 to 8.1 in the SFK watershed, and from 5.9 to 7.6 in the UT watershed (Figures 9.2-9 and 9.2-10). The maximum pH of 11 was measured at well MW-10, where most other values ranged from 6.0 to 6.5. This high value was therefore considered to be a potential outlier. The range in median pH values from bedrock was similar in each watershed, except for the relatively low value of 4.9 at well PQ4 in SFK. This well was located in proximity to the deposit area.

Field pH was outside the range of the most stringent ADEC maximum criterion of greater than 6.5 and less than 8.5 in one or more samples in 33 out of 39 wells. Relatively low pH values (less than 6.3) occurred in low TDS waters such as wells MW-1S (SFK), MW-11SS (SFK), and MW-7S (NFK). The low pH in these waters likely reflected a lack of contact with carbonate minerals that consume hydrogen ions, thereby increasing the pH. Low pH values also occurred in samples having average TDS, for example in wells PQ4, P4S and MW-14D (all located in SFK). These samples had a high sulfate-to-calcium ratio, suggesting that some sulfate may have been provided by the oxidation of pyrite, a process that releases acid and could be responsible for the relatively low pH.

Dissolved Oxygen

The solubility of oxygen in water depends on temperature and atmospheric pressure. After recharge water infiltrates to the groundwater system, the oxygen in groundwater is typically gradually consumed by the oxidation of organic material or minerals such as sulfides. Oxygen concentrations in groundwater remain constant along groundwater flowpaths in the absence of oxidizable materials or decrease in the presence of oxidizable materials. At average field conditions of approximately 4 degrees Celsius (ºC) and 900 feet above sea level (asl), the theoretical solubility of oxygen in water is 12.7 mg/L. This value was calculated using the following formula (ASCE, 1960):

$$DO_{sat} = f \times (14.652 - 0.41022*T + 0.0079910*T^2 - 0.000077774*T^3)$$

Where:

DO_{sat} = dissolved oxygen concentration at saturation

T = temperature in ºC

f = elevation correction = (2116.8 - (0.08 - 0.000115 * T) * E) / 2116.8

E = elevation in feet

Slightly higher concentrations of up to 14.5 mg/L can be reached under colder temperatures, which would be typical of temperatures during spring runoff.

Overburden: The median concentrations of DO in overburden ranged from 12 to 13 mg/L in the NFK watershed, from 0.5 to 13 mg/L in the SFK watershed, and from 0.2 to 13 in the UT watershed (Figures 9.2-5, 9.2-6, and 9.2-7). DO concentrations above 14.5 mg/L (maximum solubility at 0 ºC and 0 feet asl), which were measured in wells MW-8S, MW-7D, and MW-6D, were considered to be potential

outliers but were not flagged as confirmed outliers. The median concentrations of wells with very high DO concentrations remained below the solubility typical of spring melt conditions and were close to the solubility at ambient field conditions.

Bedrock: The median concentrations of DO in bedrock ranged from 11 to 13 mg/L in the NFK watershed, from 0.1 to 13 mg/L in the SFK watershed, and from 0.1 to 5 in the UT watershed (Figures 9.2-8, 9.2-9, and 9.2-10). As such, concentrations were consistently high in the NFK watershed, ranged from low to high in the SFK watershed, and were relatively low in the UT watershed.

Dissolved oxygen was below the most stringent ADEC minimum criterion of 7 mg/L in one or more samples in 22 out of 39 wells. The wells with high DO concentrations of 11 to 14 mg/L reflect the original atmospheric oxygen concentration at the time of recharge, with little interaction with oxidizable materials after infiltration. This includes most wells outside the general deposit area. Within the general deposit area, DO concentrations in several wells were generally low, which may be explained by the reaction of oxygen with sulfide minerals. This interpretation is supported by the high sulfate content of these wells, for example wells MW-12S and P4S. The location of these wells is shown in Figure 9.2-1. Monitoring well MW-14D, which is located in the SFK watershed about 4 miles south of the deposit area, was the only well with low DO concentrations outside the general deposit area.

Concentration versus Depth: Dissolved oxygen concentrations decreased strongly with depth in samples collected from wells P-06-37, MW-14, and MW-5; decreased slightly with depth in wells MW-11, MW-13, P-06-38 and SRK5; and increased or were relatively uniform with depth in wells MW-1, MW-7, MW-8 and MW-12 (Figure 9.2-11). This general trend of DO concentrations most often decreasing with depth was supported by the statistical distribution of DO between overburden and bedrock. On a site-wide basis, DO concentrations were statistically lower in bedrock than overburden, particularly for those concentrations between the 10^{th} and 80^{th} percentile (Figure 9.2-12a).

Correlation with TDS: Dissolved oxygen had a weak inverse correlation with TDS. In other words, the samples with higher TDS generally tended to have lower DO (Figure 9.2-13a).

Temperature

The temperature of groundwater from overburden ranged from 2 to 6 ºC in the NFK watershed, from 1 to 9 ºC in the SFK watershed, and from 1 to 5 ºC in the UT watershed (Appendix 9.2B). The temperature of groundwater from bedrock ranged from 2 to 5 ºC in the NFK watershed, from 2 to 5 ºC in the SFK watershed, and 2 to 4 ºC in the UT watershed. The median temperatures ranged from 2.5 to 5.2 ºC across all the watersheds. As such, groundwater temperatures were very similar between overburden and bedrock, and among the three watersheds. The samples with higher temperatures often originated from shallower wells sampled during spring or summer. The median temperature of all samples was 3 ºC for both the overburden and bedrock wells.

Oxidation-Reduction Potential

Oxidation-reduction potential (ORP) was measured simultaneously with DO in the flow-through cell. The ORP readings tended to vary widely between sampling events even when DO readings were relatively stable. For example, a minimum ORP of -369 millivolts (mV) was recorded at well MW-5D with an associated DO concentration of 0.84 mg/L (Appendix 9.2B). A maximum ORP of 78 mV was recorded with an associated DO concentration of 0.31 mg/L. Although the difference in ORP was 447 mV, the DO

concentrations in these samples were very similar. Other variable values of ORP were recorded for similar DO concentrations at this well, and this type of result was similar at other wells. Overall, the data suggest that the redox state of the groundwater at this site cannot be effectively established using ORP readings. These results are expected for this type of groundwater, which has very low TDS, very low concentrations of constituents with multiple redox states, and near-neutral pH.

Total Suspended Solids

Measurements of total suspended solids (TSS) in groundwater samples are not indicative of the groundwater quality itself because suspended solids do not migrate through the groundwater system. Nevertheless, measurements of TSS are useful for assessing the quality of a groundwater sample because the suspended solids should be as low as possible. One well (P06-38M) had median TSS concentrations of 2,300 mg/L (Appendix 9.2B), which suggests that the filter pack around the screen for this well was likely not adequate. The analyses of total metals from this well may be biased high. Except for this well, the median concentrations of TSS in all the samples of all other wells were 5 mg/L or less. More than half the wells had median TSS concentrations of less than 0.6 mg/L.

Summary of Field and Physical Parameters

In summary, groundwater within the study area was characterized by very low TDS (median concentrations typically less than 100 mg/L), near-neutral pH (most pH values between 6 and 7), an average temperature of 4 ºC, and high DO (most wells greater than 8.5 mg/L). The lowest median pH values were about 5.0. Low DO concentrations (less than 2 mg/L) were observed in only 10 wells (MW-5M and MW-5D, MW-12S and MW-12D, MW-14D, SRK2, SRK3, PQ4, P-06-37D, and P-06-38D), nine of which were located in proximity to the general deposit area. Correlations between the field and physical parameters were not particularly strong, but some general patterns were evident. For example, samples with higher TDS generally tended to be associated with lower DO. Three of the field and physical parameters had ADEC criteria: TDS, pH and DO. None of the samples exceeded the maximum ADEC criterion for TDS. One or more samples were outside the criteria range for pH and DO in 33 and 22 out of 39 wells, respectively.

9.2.5.2. Dissolved Major Ions

The dissolved major ions included the following: calcium, magnesium, sodium, potassium, alkalinity (assumed to be due to dissolved carbonate species), sulfate, chloride, and fluoride. The following paragraphs discuss the major ion composition of the groundwater, as characterized by Piper diagrams, and the concentrations of individual constituents.

Major-Ion Composition of Groundwater

The composition of groundwater chemistry was assessed by presenting the major-ion data on Piper plots (Piper, 1944), which shows the proportion of each constituent in the water in a given sample independent of its absolute concentration. This approach allows the composition of the groundwater sample to be characterized independent of the absolute concentrations. By definition of a Piper plot, the percentage of each constituent on each plot was based on concentrations in milli-equivalents per liter to normalize the effects of ion mass and charge in the interpretation. Piper plots of individual wells are presented in Appendix 9.2E. Groundwater composition based on Piper plots for overburden and bedrock data in individual drainages is discussed in the following paragraphs:

Major Cations: The frequency of detection (FOD) of the major cations (calcium, magnesium, sodium, and potassium) was 100 percent (Table 9.2-2). The major-cation composition in both the bedrock and overburden wells was dominated by calcium but to varying degrees (Figures 9.2-3 and 9.2-4). The lower bound of calcium content was about the same in both cases, but the upper bound was higher for overburden. The range of magnesium content was about the same in overburden and bedrock. Specifically, the cation compositions in overburden were as follows (Figure 9.2-3):

- Calcium ranged from about 35 to 80 percent.
- Sodium and potassium combined ranged from about 10 to 50 percent.
- Magnesium ranged from 10 to 40 percent.

In slight contrast, the proportions of major cations in the bedrock wells were as follows (Figure 9.2-4):

- Calcium ranged from about 30 to 65 percent.
- Sodium and potassium combined ranged from about 5 to 50 percent.
- Magnesium ranged from about 5 to 40 percent.

The following paragraphs discuss major-cation composition by watershed.

- **Overburden.** The cation composition of samples from the overburden wells in the NFK watershed (Figure 9.2-5) was noticeably more uniform than from the overburden wells in the SFK and UT watersheds (Figures 9.2-6 and 9.2-7). Calcium and magnesium are typically released by dissolution of carbonates, while sodium and potassium are typically released by dissolution of silicates. Calcium and magnesium combined in the NFK watershed ranged from about 70 to 85 percent, and sodium and potassium combined ranged from about 15 to 30 percent (Figure 9.2-5). In contrast, most samples from overburden in the SFK and UT watersheds had combined calcium and magnesium that ranged from 50 to 90 percent, and combined sodium and potassium that ranged from 10 to 50 percent (Figures 9.2-6 and 9.2-7). The higher proportion of calcium and magnesium in the SFK and UT watersheds likely reflects the effects of sulfide oxidation in proximity to the deposit. Sulfide oxidation releases acid, which triggers dissolution of calcite and dolomite, and the associated release of calcium and magnesium.

  Bedrock. The cation composition of samples from the bedrock wells in the NFK watershed (Figure 9.2-8) was also noticeably more uniform than from bedrock wells in the SFK and UT (Figures 9.2-9 and 9.2-10). This difference between watersheds is similar to the overburden samples. Calcium and magnesium combined ranged from about 70 to 80 percent; and sodium and potassium combined ranged from about 20 to 30 percent (Figure 9.2-8). In contrast, most samples from bedrock in the SFK and UT watersheds had combined calcium and magnesium that ranged from 60 to 90 percent, and combined sodium and potassium that ranged from 10 to 40 percent (Figures 9.2-9 and 9.2-10). The more uniform composition in the NFK watershed may be due to only two samples having been collected from this watershed. However, the same pattern was evident in both overburden and bedrock. Considering that three times as many samples were collected from overburden as from bedrock, the observed differences likely reflect differences in groundwater chemistry rather than simply being biased by the number of sampling points. The most likely cause of the differences in water quality is the distance of the NFK stations from the

general deposit area, while several stations of the SFK and UT watersheds are located in proximity to the general deposit area.

Major Anions: The major anions include carbonates, sulfate, chloride, and fluoride. The FODs for these anions were as follows: 97 percent for alkalinity, 100 percent for sulfate, 100 percent for chloride, and 69 percent for fluoride (Table 9.2-2). Most samples were dominated by bicarbonate (HCO_3^-), as indicated by the relatively large proportion of carbonate species on the Piper plots (Figures 9.2-3 and 9.2-4). No systematic difference was observed between overburden and bedrock (Figures 9.2-3 and 9.2-4).

- **Overburden.** The anion composition of samples from the overburden in the NFK and UT watersheds (Figures 9.2-5 and 9.2-7) was noticeably more uniform than the composition from the SFK watershed (Figure 9.2-6). In the NFK and UT watersheds, all but one sample had less than 20 percent sulfate and less than 10 percent chloride (Figures 9.2-5 and 9.2-7). By comparison, the samples from overburden in the SFK watershed varied more widely in composition with up to 90 percent sulfate and up to 40 percent chloride. The high-chloride samples were collected from well MW-1S and contained 20 to 40 percent chloride. The rest of the samples from overburden in the SFK watershed contained less than 20 percent chloride (Figure 9.2-6). Sulfate in most samples from overburden varied from 0 to 30 percent. Some samples ranged from 30 to 80 percent sulfate, and two samples were greater than 80 percent sulfate (Figure 9.2-3).
- **Bedrock.** A similar watershed-dependent anion composition was apparent in the bedrock wells. The bedrock wells from the NFK and UT watersheds all contained less than 20 percent sulfate and 10 percent chloride (Figures 9.2-8 and 9.2-10). In contrast, many samples from bedrock wells in the SFK watershed had up to 60 percent sulfate, though with about the same proportion of chloride (Figure 9.2-9). Most samples from bedrock had less than 10 percent chloride and less than 60 percent sulfate. Almost all samples from well PQ4, which had an anion composition of more than 90 percent sulfate, stood out from the other bedrock samples. This well is relatively deep and is completed within the general deposit area.

  The highest chloride contribution occurred in well MW-1S (Figure 9.2-6), which also had one of the lowest median TDS values. This may appear contradictory, since high chloride content in groundwater is normally associated with high salinity. However, rain water often has a high chloride content associated with a low TDS (Appelo and Postma, 1993). The water from well MW-1S, therefore, seems to have very little interaction with the aquifer rock material and probably represents the original precipitation water. This interpretation is consistent with the shallow depth of the screen at well MW-1S (20 to 25 feet), the absence of aquitard material above the screen, and relatively high proportion of sodium and potassium in the water.

Spatial Distribution of Groundwater Composition

While the Piper plots effectively summarized the groundwater composition for all samples, Stiff diagrams were used to simultaneously examine the spatial distribution of groundwater composition and absolute concentrations of the anions and cations. The shape of the polygon indicates the composition while the length of each horizontal axis indicates the parameter concentration. The samples with highest concentrations occurred in the general deposit area (Figure 9.2-14). Concentrations generally decreased with distance from the general deposit area, as indicated by the areas of the Stiff polygons (Figure 9.2-14; Appendix 9.2F). For example, the samples from the nest at well MW-8 in the NFK watershed had lower concentrations than most of the samples from the general deposit area but higher than the other wells in

the NFK watershed. Similarly, well MW-3 in the SFK watershed had lower concentrations than the wells in the general deposit area but higher than other wells in the SFK watershed that were further from the general deposit area. Well MW-14D in the SFK watershed was an exception to this trend; this well had concentrations of calcium, magnesium, and sulfate that were comparable to wells in the general deposit area.

Except for well MW-14D, a similar trend was evident with respect to the composition of the groundwater. The wells that were furthest from the general deposit area (i.e., wells MW-1, MW-2, MW-6, MW-7, MW-9D, MW-10, MW-11, and MW-13) consistently had the lowest proportion of sulfate compared to other wells on site, as indicated by the shapes of the Stiff polygons (Figure 9.2-14; Appendix 9.2F). All of these wells had calcium as the dominant cation and bicarbonate as the dominant anion. The wells that were closest to the general deposit area (wells MW-5 and MW-12; PQ4, SRK2, and SRK5; KP-P4 and P4-S) often had higher proportions of sulfate and magnesium, and sometimes higher proportions of sodium and potassium relative to the wells that were furthest from the general deposit area. The wells at intermediate distances from the deposit area (wells MW-3 and MW-8) also sometimes had slightly elevated proportions of sulfate and magnesium. The higher proportions of sulfate were likely due to oxidation of sulfide minerals from the mineralized zone in the general deposit area. The higher proportions of calcium, magnesium, and sodium were likely due to acid neutralization reactions with carbonate and silicate minerals, respectively. Wells MW-14D had the highest concentration of sodium among all samples and also was the only location where the samples had simultaneously high sodium and sulfate concentrations.

The three wells in overburden that had relatively high major-ion concentrations and pH, and relatively low DO (wells MW-5M, MW-12S, and SRK2; Figures 9.2-3 and 9.2-14) were all relatively close to the general deposit area. The two wells in bedrock that had relatively high TDS and pH, and relatively low DO (wells MW-5D and SRK3; Figures 9.2-4 and 9.2-14) were also located relatively close to the general deposit area. These results support the interpretation that the deposit has influenced the groundwater quality in the study area.

The following paragraphs discuss the major-ion concentrations individually. Time series plots of each of the major ions are presented in Appendix 9.2G.

Calcium

Thirty-three out of 39 wells had calcium concentrations less than 25 mg/L, and 24 out of 39 wells had concentrations less than 10 mg/L (Figure 9.2-15). Three wells in the study area had noticeably higher calcium concentrations than all of the other wells: MW-12S (overburden in SFK), SRK3 (bedrock in UT), and MW-14D (SFK). Wells MW-12S and SRK3 were located close to the general deposit area, while well MW-14D was located south of Frying Pan Lake. These wells had median calcium concentrations of 82, 51, and 46 mg/L, respectively, and also had relatively low DO (Table 9.2-3). The wells in the NFK watershed had median concentrations that were always less than 12 mg/L, whereas many wells in the SFK and UT watersheds had median concentrations that were greater than 12 mg/L (Figure 9.2-15). The wells in the UT watershed had concentrations less than 20 mg/L except for SRK2 and SRK3, which were located close to the general deposit area.

Magnesium

Thirty-one out of 39 wells had magnesium concentrations less than 5 mg/L, and 22 out of 39 wells had concentrations less than 2 mg/L (Figure 9.2-15). The following wells had median magnesium concentrations greater than 5 mg/L:

- P06-37D 7 mg/L
- MW-5D 9 mg/L
- MW-5M 11 mg/L
- SRK2 12 mg/L
- SRK3 22 mg/L
- MW-12S 30 mg/L

All of these wells were located relatively close to and down-gradient of the general deposit area. Of these wells, MW-5M, MW-12S, and SRK2 had relatively high pH and TDS, and low DO (Table 9.2-3).

Hardness

The hardness of a sample is the sum of total calcium and total magnesium (i.e., unfiltered) concentrations expressed as equivalent mg/L of calcium carbonate ($CaCO_3$). For example, a sample with a calcium concentration of 18.5 mg/L and a magnesium concentration of 4.0 mg/L has a hardness of 62.7 mg/L expressed as $CaCO_3$. Because hardness is expressed in terms of equivalent $CaCO_3$, the reported concentrations are larger than the sum of the calcium and magnesium.

All but six of the wells had hardness less than 77 mg/L (Appendix 9.2B). With one exception (P06-38M), the wells with hardness greater than 77 mg/L were the same samples that had the highest calcium, magnesium, or combined calcium and magnesium, as follows:

- MW-5D 98 mg/L
- MW-14D 114 mg/L
- SRK2 115 mg/L
- MW-5M 128 mg/L
- P06-38M 146 mg/L
- SRK3 213 mg/L
- MW-12S 327 mg/L

The relatively high hardness in samples from P06-38M was probably due to the high suspended solids in those samples. Because the hardness is based on total concentrations (i.e., unfiltered) and this well had unusually high suspended solids, the hardness was higher than indicated by the dissolved concentrations of calcium and magnesium.

Sodium

Thirty-two out of 39 wells had median sodium concentrations less than 7 mg/L (Figure 9.2-15). The following wells had relatively elevated sodium median concentrations compared with other sampling locations at the site:

- MW-5M 10 mg/L
- MW-5D 12 mg/L
- MW-12S 14 mg/L
- P06-38D 21 mg/L
- SRK2 27 mg/L
- MW-14D 36 mg/L
- P06-37D 32 mg/L

Except for well MW-14D, these wells are in proximity to the general deposit area. The origin of the sodium is likely the dissolution of silicate minerals such as feldspar. Of these wells, MW-5M, MW-12S, and SRK2 had relatively high pH, TDS, and calcium concentrations, and low DO concentrations (Table 9.2-3). Well MW-5D also had relatively low DO and relatively high magnesium. Well MW-14D had a composition that was different than any other well in the study area, characterized by simultaneously large proportions of sulfate and sodium (Figure 9.2-14).

Potassium

Twenty-six out of 39 median potassium concentrations were less than 0.6 mg/L, and the highest median concentration (well MW-12S) was 2.7 mg/L (Figure 9.2-15). None of the wells had particularly elevated potassium relative to other wells. However, except for well MW-14D, all wells with concentrations greater than 0.6 mg/L were located in proximity to the general deposit area. Other than well MW-12S, only MW-5D had a median potassium concentration greater than 2 mg/L.

Alkalinity

Thirty-four out of 39 median alkalinity concentrations were less than 75 mg/L as $CaCO_3$ (Figure 9.2-16). The following wells had median alkalinity values above 75 mg/L:

- P-06-37D 125 mg/L
- MW-5M 129 mg/L
- SRK2 156 mg/L
- MW-12S 178 mg/L
- SRK3 226 mg/L

All of these wells were located in proximity to the general deposit area. Wells MW-5M, MW-12S, and SRK2 also had relatively high TDS, pH, magnesium and sodium, and relatively low DO (Table 9.2-3).

Unlike most other parameters, the most stringent ADEC criterion for alkalinity is a minimum value; the alkalinity should be above the criterion concentration of 20 mg/L $CaCO_3$. The smallest ratio relative to

the criterion was 0.2 (Appendix 9.2D). The alkalinity in many water samples was relatively low for groundwater; and, consequently, the median concentrations did not satisfy the minimum surface-water criterion for alkalinity in 13 of 39 wells (Appendix 9.2D). In wells MW-11M, MW-11S, MW-11SS, MW-13S, MW-1S, and SRK5D, none of the measurements met the minimum criterion. All of these wells are located in the SFK watershed and, except for SRK5D, are more than 4 miles from the general deposit area.

Sulfate

Median sulfate concentrations were divided into three groups: less than 20 mg/L (30 wells); 20 to 60 mg/L (seven wells); and 90 to 175 mg/L (2 wells; Figure 9.2-16). The wells in the second group comprised the following: MW-3D, MW-5M, MW-5D, MW-12D, P4S, and PQ4. Wells in the third group comprised MW-12S and MW14-D. Wells MW-12S and MW-14D also had relatively high TDS, pH, calcium, magnesium and sodium, and relatively low DO (Table 9.2-3). Except for PQ4, the wells with the highest sulfate concentrations also generally had relatively elevated calcium, magnesium, and alkalinity. The wells with relatively high sulfate concentrations were in proximity to the general deposit area. None of the wells had any samples with concentrations higher than the most stringent maximum ADEC water criterion of 250 mg/L (Figure 9.2-16); the largest ratio relative to the criterion was 0.86, which occurred in well MW-12S (Appendix 9.2D).

Chloride

All but two wells had median chloride concentrations of about 0.8 mg/L (Figure 9.2-16). Even in well nests where the chemistry for all other parameters was different, the chloride concentrations were generally very similar. These concentrations likely reflect the original chloride concentration in the infiltrated rain water and a lack of a chloride source in the subsurface. Wells MW-14D and P-06-37D had noticeably higher median concentrations of about 9 and 4 mg/L, respectively. The occurrence of higher chloride concentrations and a unique combination of other characteristics at well MW-14D, including high sulfate, sodium, and a trend toward higher concentrations over time, suggests the presence of one or more geochemical processes that were not occurring at other locations. All samples were considerably below the most stringent ADEC water quality criterion for chloride of 230 mg/L (Appendix 9.2D).

Fluoride

Fluoride comprises an extremely small proportion of the major ions. The median concentrations of fluoride were all less than 0.25 mg/L, and all but four wells had concentrations less than 0.08 mg/L (Figure 9.2-16). Similar to other constituents, the wells in the NFK watershed had the lowest concentrations (all less than 0.05 mg/L). The following wells had the highest fluoride concentrations (greater than 0.08 mg/L):

- P4S 0.13 mg/L
- P06-37D 0.16 mg/L
- MW-5M 0.18 mg/L
- MW12S 0.21 mg/L
- MW-5D 0.27 mg/L

All samples were considerably below the most stringent ADEC criterion for fluoride of 1 mg/L.

Summary of Major Ions

In summary, the major-ion concentrations were generally uniform with some selected anomalies where the concentrations were noticeably higher, namely the MW-5, MW-12, MW-14, and SRK5 well nests in the SFK watershed. The MW-5 nest also had anomalously low DO concentrations, whereas the SRK5 nest had DO concentrations near the solubility limit (Table 9.2-3). The major-ion composition of the groundwater samples across the site can be described as calcium-magnesium-bicarbonate, except for wells P-06-37 and P-06-38 in the UT watershed, which were of type sodium-bicarbonate, wells PQ4 and SRK5D near the general deposit area, which were of type calcium-sulfate, and well MW-14D, which was of type calcium-sodium-sulfate. This description indicates that the cations were generally dominated by calcium rather than magnesium, sodium, or potassium; and the anions were generally dominated by bicarbonate rather than sulfate or chloride. Except for alkalinity, all of the major ions had concentrations that satisfied the lowest criterion specified in the QAPP (Appendix G of the EBD).

9.2.5.3. Nutrients

The nutrients measured in the groundwater included total ammonia, nitrate plus nitrite, phosphorous, and total orthophosphate. The following paragraphs discuss each of the constituents in turn.

Total Ammonia

Total ammonia as N was detected in 22 percent of the samples (Table 9.2-2; Appendix 9.2B). All median concentrations were well below the most stringent ADEC maximum criterion of 0.18 mg/L (Figure 9.2-17; Appendix 9.2D). One well (MW-14D) had regularly detectable total ammonia, with a median concentration of 0.13 mg/L (Figure 9.2-17). As discussed, this well also stood out as a well with major ion composition that was relatively unique within the study area.

Nitrate and Nitrite

Combined nitrate and nitrite was detected in 76 percent of the samples (Table 9.2-2; Appendix 9.2B). The dominance of nitrate and nitrite over ammonia is consistent with the generally high DO concentrations in the groundwater, which would tend to maintain nitrogen in an oxidized form. Median concentrations ranged from about 0.05 to 0.5 mg/L (Figure 9.2-17). No wells had particularly high or low concentrations, and no values exceeded the most stringent ADEC maximum criterion of 10 mg/L (Figure 9.2-17; Appendix 9.2D). The largest ratio relative to the criterion for nitrate was 0.12, and the largest ratio for nitrite was 0.10 (Appendix 9.2D).

Orthophosphate

Orthophosphate was detected in 5 percent of the samples (Table 9.2-2; Appendix 9.2B). Most median concentrations were below 0.1, only two wells had higher median values, namely PQ4 (0.17 mg/L) and MW12D (0.35 mg/L) (Figure 9.2-17).

Total Phosphorous

Total phosphorous was detected in 92 percent of the samples (Table 9.2-2; Appendix 9.2B). Median concentrations ranged from 0.006 to 1.3 mg/L and were generally highest in the SFK and UT watersheds (Figure 9.2-17). The four wells that stood out with the highest concentrations of all were in the SFK watershed:

- MW12D 0.30 mg/L

- MW-5D 0.56 mg/L
- P-06-38D 0.42 mg/L
- P-06-38M 1.29 mg/L

Summary of Nutrients

In summary, nitrate-nitrite and phosphorous occurred regularly but at low concentrations throughout the study area, while ammonia was regularly detected only in well MW-14D. No spatial trends were apparent, and median concentrations were all below the respective maximum criteria.

9.2.5.4. Trace Elements

The trace elements include all other constituents besides the field and physical parameters, the major ions and the nutrients, as follows: aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. These constituents typically occur at relatively low or trace concentrations in natural groundwater but form an important part of the baseline geochemical characterization.

The following paragraphs focus on the results for dissolved concentrations (filtered samples). These concentrations most closely represent the actual groundwater quality because suspended solids do not migrate through groundwater systems. The results for total concentrations (unfiltered samples) reflect the quantity of TSS in the well and do not reflect the actual groundwater quality. The concentrations of dissolved trace elements are presented on box and whisker plots (Figures 9.2-18 to 9.2-22) and as statistical distributions (Figures 9.2-12a and 9.2-12b). The trace-element dissolved and total concentrations were compared with the respective water-quality criterion (Appendix 9.2D) to provide a context for the data in the same manner as the major ions. Hardness dependent criteria are preliminary estimates based on existing baseline hardness data.

Aluminum

Dissolved aluminum was detected in 57 percent of the samples (Table 9.2-2). Median dissolved aluminum concentrations were between 1.0 and 10.0 micrograms per liter (µg/L) at all but two locations (Figure 9.2-18). The most stringent maximum criterion of 87µg/L was exceeded by all of the dissolved analyses in well PQ4, which was located in proximity to the general deposit area. Wells P-06-38M and SRK5M also had samples that exceeded the criterion. The median concentration in this well was an order of magnitude greater than all other wells.

Total aluminum exceeded the most stringent ADEC maximum criterion of 87 µg/L in 14 out of 39 wells. Particularly high median values were reached in wells P-06-38M (1,630 µg/L), PQ4 (210 µg/L), SRK2 (3.3 µg/L), MW-1S (8.5 µg/L), and SRK5S (5.9 µg/L). The unusually high values in well P-06-38M were due to the unusually high TSS in that well and do not represent the actual groundwater quality.

Antimony

Dissolved antimony was detected in 66 percent of the samples. All but one of the samples across all wells had antimony concentrations between 0.01 and 0.3 µg/L (Figure 9.2-18). Median dissolved concentrations were all below 0.25 µg/L, and all dissolved and total samples had concentrations less than the most stringent maximum criterion of 5.6 µg/L. Wells MW-5D, MW-12D, MW-14D, PQ4, P-06-37M,

P-06-37D, and P-06-38D had relatively high median concentrations. These wells are located in proximity to the general deposit area. Antimony concentrations were statistically slightly higher in bedrock wells than in the overburden above approximately the 60th percentile (Figure 9.2-12a).

Arsenic

Dissolved arsenic was detected in 50 percent of the samples. Median dissolved arsenic concentrations ranged from about 0.1 to 49.0 µg/L, but most wells had median concentrations between 0.1 and 10 µg/L (Figure 9.2-18). Wells that had median concentrations greater than 2 µg/L included the following: MW-14D, MW-5D, MW-5M, MW-2D, PQ4, P-06-37D, P-06-38M, and P-06-38D. All of these wells were located in proximity to the general deposit area. Elevated arsenic concentrations were typically associated with low DO (Table 9.2-3). The single sample from well P-06-38D was the one that had an arsenic concentration of 49 µg/L, which was above the most stringent ADEC maximum criterion of 10 µg/L (Appendix 9.2D). This sample is the only one that exceeded the criterion and might be an outlier. However, it was not marked as an outlier because only one sample was collected for this well. Arsenic is often associated with sulfide minerals, and the dissolution of such minerals is a likely source of the dissolved arsenic in these wells.

Total arsenic concentrations were similar to the dissolved concentrations, with values above 2 µg/L for the same wells and an extreme value of 49 µg/L at well P-06-38D. Exceeding values were found for wells MW-2D, P-06-38D, P06-38M, and PQ4. None of the median values exceeded the most stringent ADEC criterion of 10 µg/L, except for the single measurement for P06-38D.

Barium

Dissolved barium was detected in 100 percent of the samples. Median dissolved concentrations of barium ranged from about 0.5 to 480 µg/L, but most wells had median concentrations less than 20.0 µg/L (Figure 9.2-18). Wells MW-5M, MW-12S, SRK2, SRK3, P-06-37D, P-06-38M, and P-06-38D had relatively high concentrations compared to other wells at the site. These wells are located in proximity to the general deposit area. These wells include several that had low DO (Table 9.2-3). All median values were well below the most stringent ADEC maximum criterion of 1,000 µg/L.

Median total concentrations for barium were higher than dissolved concentrations for a few wells and reached up to 540 µg/L in P06-38M and 378 µg/L in SRK3. All total concentrations remained below the most stringent ADEC maximum criterion of 1,000 µg/L.

Beryllium

Dissolved beryllium was detected in only 5 percent of the samples (95 percentile method detection limit [MDL] of 0.025 µg/L). All of the samples with detectable concentrations were more than an order of magnitude lower than the most stringent ADEC maximum criterion of 4.0 µg/L (Figure 9.2-19). Bedrock wells had a higher percentage of detects than the overburden wells, and most detected values were also higher than samples from the overburden.

Total beryllium was also detected rarely, and the maximum median was reached in well P-06-38M with a value of 2 µg/L. None of the total beryllium concentrations exceeded the most stringent ADEC maximum criterion.

Cadmium

Dissolved cadmium was detected in only 11 percent of the samples (95 percentile MDL of 0.015 µg/L). All wells but one (PQ4) had median dissolved concentrations much less than the most stringent ADEC maximum criterion of 0.1 µg/L (Figure 9.2-19). Well PQ4 had a median concentration of 0.25 µg/L, which was above the criterion and about an order of magnitude higher than the other wells (Figure 9.2-19). Well PQ4 was the only well that had relatively high median concentrations of many other metals, including aluminum, arsenic, antimony, copper, iron, molybdenum, selenium and zinc, and relatively low pH values (Table 9.2-3). Additionally, this well is located in proximity to the general deposit area.

Median total concentrations of cadmium were similar to the dissolved concentrations. Well P-06-38M had a median total concentration of 0.4 µg/L, and PQ4 had a median total concentration of 0.25 µg/L. Four additional wells had occasional total cadmium exceedences of the most stringent ADEC maximum criterion of 0.1 µg/L, namely wells MW-10, MW-13D, MW-2D, and SRK5M.

Chromium

Dissolved chromium was detected in 82 percent of the samples. Most median dissolved chromium concentrations were between 0.1 and 1.0 µg/L (Figure 9.2-19). Slightly higher median concentrations above 1 µg/L were found in wells MW-2D, MW-5S, P-06-38M, and SRK2. None of the wells had concentrations that were much higher than other wells. All samples were less than the most stringent ADEC maximum criterion of 24 µg/L.

Total chromium concentrations were noticeably more elevated, and 18 of 39 wells were above 1 µg/L; the highest median value of 48 µg/L was found in P06-38M. P06-38M was the only well where total chromium exceeded the most stringent ADEC maximum criterion of 24 µg/L .

Copper

Dissolved copper was detected in 96 percent of the samples. Most median dissolved copper concentrations were between 0.1 and 1.0 µg/L (Figure 9.2-19). Five wells had median concentrations that were higher than the most stringent maximum criterion of 2.7 µg/L.

- MW-12S 3 µg/L, 56 percent of samples exceeded the most stringent ADEC maximum criterion
- SRK5D 4 µg/L, 75 percent of samples exceeded the most stringent ADEC maximum criterion
- MW-1M 6 µg/L, 67 percent of samples exceeded the most stringent ADEC maximum criterion
- P-06-38M 76 µg/L, 100 percent of samples exceeded the most stringent ADEC maximum criterion
- PQ4 1,045 µg/L, 100 percent of samples exceeded the most stringent ADEC maximum criterion

These five wells had concentrations that were noticeably higher than in the other wells. The copper concentration in PQ4 was particularly elevated relative to the other wells. Wells SRK5D, P06-38M, and

PQ4 were located in proximity to the general deposit area and the copper in these samples was probably released from the deposit. Well MW-1M was located about 9 miles along the SFK from the deposit area.

Total copper concentrations exceeded the most stringent ADEC maximum criterion of 2.7 µg/L in 6 of 39 wells. PQ4 was again particularly elevated relative to all other wells (1.2 mg/L), and MW-1M, P06-38M, and SRK5D also had elevated total concentrations.

Iron

Dissolved iron was detected in 58 percent of the samples. Median dissolved iron concentrations ranged from about 3 to 1,700 µg/L (Figure 9.2-20). Median iron concentrations from the following wells were above the most stringent ADEC maximum criterion of 1,000 µg/L:

- P-06-38M 1,700 µg/L
- MW-5D 1,200 µg/L

Most of the median iron concentrations were below 30 µg/L. High iron concentrations were expected to occur in wells with low DO, since iron oxide and hydroxide minerals are more soluble under reducing conditions. This was confirmed for the seven highest iron median concentrations encountered in wells PQ4 and MW-5D. Iron concentrations in these wells were greater than 1,100 µg/L, and DO was below 0.1 mg/L (Table 9.2-3). All wells with relatively high iron concentrations were located in proximity to the general deposit area.

Ten wells had median total concentrations of greater than 30 µg/L. The most stringent ADEC maximum criterion of 300 µg/L for total iron concentration was exceeded in two wells.

Lead

Dissolved lead was detected in only 20 percent of the samples. Median dissolved concentrations of lead ranged from 0.02 to 0.8 µg/L (Figure 9.2-20). With a median concentration of 0.19 µg/L, the bedrock wells seemed to have slightly higher lead concentrations than in the overburden, where the median was 0.13 µg/L. Well P-06-38M had noticeably higher concentrations relative to other wells, and the median concentration was above the most stringent ADEC maximum criterion of 0.54 µg/L. Well P-06-38M was the only one with concentrations above the most stringent ADEC criterion.

Total lead concentrations were slightly higher than dissolved concentrations, and well P-06-38M was the only well with values above the most stringent ADEC maximum criterion of 0.54 µg/L.

Manganese

Dissolved manganese was detected in 95 percent of the samples. Most median dissolved concentrations of manganese ranged from about 0.1 to 10 µg/L (Figure 9.2-20). However, 10 wells had higher median concentrations that were also above the most stringent ADEC maximum criterion of 50 µg/L:

- SRK2 70 µg/L
- P-06-37D 70 µg/L
- P-06-38D 100 µg/L
- SRK3 140 µg/L

- MW-14D 230 µg/L
- MW-12S 260 µg/L
- MW-5M 280 µg/L
- P-06-38M 283 µg/L
- MW-5S 472 µg/L
- MW-5D 900 µg/L

The high manganese concentrations in the MW-5 well nest were consistent with the relatively low DO concentrations, which tend to allow manganese oxides to become unstable and dissolve over time. In general, wells that had relatively high manganese concentrations also had relatively high iron concentrations (Table 9.2-3). This correlation was expected because manganese oxide dissolution often follows iron oxide dissolution. Except for well MW-14D, all wells with relatively high manganese concentrations were located in proximity to the general deposit area.

Total concentrations were similar to the dissolved concentrations except for well P-06-38M, which had a median concentration of 2,500 µg/L. This high concentration is due to the high TSS in this well and does not represent actual groundwater quality. The most stringent ADEC maximum criterion of 50 µg/L was exceeded at least once in 9 out of 39 wells.

Mercury

Dissolved mercury was detected in only 11 percent of the samples (95 percentile MDL of 0.06 µg/L). Up to March 2006, the mercury detection limit was 0.062 µg/L, which was above the most stringent ADEC maximum criterion of 0.05 µg/L. The detection limit was subsequently lowered to 0.0009 µg/L, starting with the March 2006 sampling round. Exceedences were found at wells MW-7D, SRK5D, and SRK5S, but all median concentrations in all wells were below the most stringent ADEC maximum criterion.

Total mercury concentrations exceeded the most stringent ADEC maximum criterion of 0.05 µg/L only at well MW-7D.

Molybdenum

Dissolved molybdenum was detected in 94 percent of the samples. Median dissolved concentrations ranged from 0.05 to 13 µg/L (Figure 9.2-21). Well MW-12D, which is located close to the general deposit area, had a median concentration of 13 µg/L, which is above the most stringent ADEC maximum criterion of 10 µg/L. Median concentrations in wells MW-12S (9.5 µg/L) and PQ4 (9.3 µg/L) were just below the criterion. The following wells had relatively high median concentrations of molybdenum compared with other wells: MW-3D; MW-5S, MW-5M, and MW-5D; MW-12S and MW-12D; MW-13D; MW-14D; PQ4; SRK2; SRK5M and SRK5D; and P06-37D (Figure 9.2-21). Except for SRK2, which is close to the SFK/UT watershed boundary, all of these wells were located in the SFK watershed but were not necessarily located in proximity to the ore deposit. Bedrock wells had a noticeably higher median concentration of 1.3 µg/L as compared to the overburden wells, which had a median concentration of 0.25 µg/L (Figure 9.2-12a). Concentrations above the median for a given well were always higher in bedrock than in overburden (Figure 9.2-12a). Dissolved molybdenum concentrations exceeded the maximum ADEC criterion of 10 µg/L only in well MW-12D.

Total concentrations of molybdenum were very similar to the dissolved concentrations and ranged as high as 13 µg/L in well MW-12D. Concentrations of total molybdenum exceeded the maximum ADEC criterion of 10 µg/L only in wells MW-12D and PQ4.

Nickel

Dissolved nickel was detected in 98 percent of the samples. Median dissolved nickel concentrations ranged from 0.13 to 4.0 µg/L (Figure 9.2-21). All of the samples had concentrations that were less than the most stringent ADEC maximum criterion of 16 µg/L, and none of the wells had noticeably higher concentrations than other wells. The statistical distribution of nickel concentrations in bedrock and overburden wells was very similar up to approximately the 80th percentile. Above this percentile, overburden concentrations tended to be higher (Figure 9.2-12b).

None of the total concentrations was above the most stringent ADEC maximum criterion of 16 µg/L.

Selenium

Dissolved selenium was detected in only 17 percent of the samples (95 percentile MDL of 0.31 µg/L). All samples had dissolved selenium concentrations less than the most stringent ADEC maximum criterion of 4.6 µg/L (Figure 9.2-21). Wells MW-3D, MW-12S, MW-12D, PQ4, and SRK5D had the highest median concentrations. Most of these wells were located in proximity to the general deposit area.

Total selenium concentrations were very similar to the dissolved concentrations and the maximum median concentration was found in well MW-12D at a value of 1.5 µg/L. All total concentrations were below the most stringent ADEC maximum criterion of 4.6 µg/L.

Silver

Dissolved silver was detected in only 2 percent of the samples (95 percentile MDL of 0.0062µg/L). All samples had dissolved silver concentrations less than the most stringent ADEC maximum criterion of 0.32 µg/L (Figure 9.2-21). None of the wells had noticeably higher median concentrations than other wells.

Total silver FOD and concentrations were slightly higher than the dissolved values, and the median of well P-06-38M reached 0.3 µg/L. Wells MW-2D, P-06-38M, and PQ4 had one or more values above the most stringent ADEC maximum criterion of 0.32 µg/L , but none of the medians exceeded the criterion.

Thallium

Dissolved thallium was detected in only 6 percent of the samples (95 percentile MDL of 0.0125 µg/L). All dissolved thallium concentrations were less than the most stringent ADEC maximum criterion of 0.24 µg/L (Figure 9.2-22). Wells SRK5D, PQ4, and P-06-38M had higher median concentrations than the other wells and also had a higher frequency of detection.

None of the other wells had total concentrations exceeding the most stringent ADEC maximum criterion of 0.24 µg/L.

Vanadium

Dissolved vanadium was detected in 43 percent of the samples. All samples had dissolved concentrations less than the most stringent ADEC criterion of 100 µg/L (Figure 9.2-22). None of the wells had noticeably higher concentrations than other wells, and none of the concentrations exceeded the most stringent ADEC maximum criterion.

As with dissolved concentrations, none of the concentrations of total vanadium exceeded the most stringent ADEC maximum criterion of 100 µg/L.

Zinc

Dissolved zinc was detected in 58 percent of the samples. All wells, except for PQ4, had median dissolved concentrations less than the most stringent ADEC maximum criterion of 36 µg/L . The samples from PQ4 had a median concentration of 38 µg/L compared with the criterion of 36 µg/L. This well is located in proximity to the general deposit area. Well MW-1M had a median concentration of 13 µg/L, and two samples had concentrations above the most stringent maximum criterion. All other wells had median zinc concentrations below 5 µg/L. The FOD and the statistical distribution of concentrations were very similar in bedrock and overburden wells.

Three wells had one or more total concentrations above the most stringent ADEC maximum criterion of 36 µg/L. The highest of these concentrations were found in well P-06-38M (176 µg/L) and PQ4 (38 µg/L). The high total concentrations measured in well P-06-38M were due to the high TSS and likely do not represent actual groundwater quality. This concentration was not marked as an outlier because the data set contained only four points.

Comparison of Concentrations from Bedrock and Overburden

For most parameters, the statistical distribution of concentrations was very similar in bedrock and overburden through the first 50 to 75 percentile of the data (Figures 9.2-12a and 9.2-12b). Above the 75 percentile concentration, the concentrations in bedrock were often higher, indicating that the highest concentrations tended to occur in bedrock. For oxygen, this pattern was opposite, and the 50 percentile concentrations in the bedrock wells were considerably lower than in the overburden wells (Figure 9.2-12a). This result indicated that the lowest concentrations, although relatively infrequent, tended to occur in bedrock wells. On the other hand, concentrations of oxygen above 75 percentile were very similar in bedrock and overburden, which indicated that high concentrations could occur in both overburden and bedrock. For sulfate, the concentrations were similar in bedrock and overburden below 60 percentile, higher in bedrock than overburden between 60 to 95 percentiles, and lower in bedrock than overburden above 95 percentile. The shape of the cumulative frequency curve for bedrock wells was more irregular than for the overburden wells, suggesting that several populations were superimposed rather than consisting of one homogenous population.

Summary of Trace Elements

In summary, the concentrations of trace elements in groundwater were generally below the most stringent ADEC maximum water quality criterion. In proximity to the general deposit area, generally one or two wells had median concentrations that were higher than the most stringent maximum criterion for aluminum (PQ4), arsenic (well P-06-38D, only one sample), copper (wells PQ4, MW-1M, SRK5D), cadmium (PQ4), iron (well MW-5D), lead (well P-06-38M), manganese (10 wells), molybdenum (well

MW-12D), and zinc (PQ4). Some of the wells with relatively elevated concentrations of trace metals were the same wells that had relatively high TDS, relatively low pH, and relatively low DO. The highest concentrations of dissolved ions tended to occur in bedrock wells, and the few wells that had low DO tended to be completed in bedrock.

9.2.5.5. Cyanides

Total cyanide was detected in only 4 percent of the samples, and weak-acid-dissociable cyanide was detected in only 6 percent of the samples. The 95-percentile detection limits for total and weak acid dissociable (WAD) cyanide were 0.002 mg/L. Concentrations of weak-acid-dissociable cyanide exceeded the most stringent maximum ADEC criterion of 5.2 µg/L in only one sample each at wells MW-8D and MW-10.

9.2.5.6. Constituent Correlations

Parameter correlation can be a useful tool to understand the origin of some dissolved constituents in groundwater because minerals release ions in stoichiometric proportions as they dissolve. With the progressive reaction of a mineral along a groundwater flowpath, the dissolved elements accumulate in the solution; but the ratio between the ions remains constant, assuming other reactions do not influence the concentrations of these constituents. Under these conditions, two constituents will correlate on a line with a positive slope when plotted on a scatter plot if the process releases both constituents and on a line with a negative slope if the process releases one constituent and consumes another. The dissolution of dolomite ($CaMg(CO_3)_2$) is a good example of positive correlation. This reaction will increase dissolved calcium, magnesium, and alkalinity along the flowpath, and the ratio between these two parameters expressed in milli-equivalents per liter (meq/L) will remain 1:1:2, reflecting the mineral formula, other factors being equal. The oxidation of sulfide minerals is a good example of a negative correlation in the study area since this reaction consumes oxygen and produces dissolved sulfate. While some parameter correlations are often evident in groundwater systems, typical natural systems include a large number of competing rock-water reactions rather than a few dominant non-competing reactions. Therefore, typically only a few rock-water interactions can be discerned from parameter correlations.

Calcium was positively correlated in overburden and bedrock wells with TDS, magnesium, and bicarbonate (i.e., alkalinity; Figure 9.2-13a and 13b), suggesting that carbonate dissolution controlled the concentrations of these elements in most samples and that carbonates were responsible for a large proportion of TDS in groundwater samples. Calcium and bicarbonate would be released by dissolution of calcite or dolomite; magnesium would be released by dissolution of magnesium calcite or dolomite. Calcium was generally poorly correlated with sulfate (Figure 9.2-13a), suggesting that gypsum was not the primary contributor of calcium or sulfate to groundwater if at all.

Dissolved oxygen concentrations in overburden wells were generally negatively correlated with TDS and sulfate (Figure 9.2-13a). This inverse relationship suggests that sulfides were being oxidized by oxygen in some areas of the site, probably in proximity to the general deposit area. In this scenario, oxygen would be consumed by sulfide oxidation, which would account for the negative correlation. Sulfate would be released from the sulfides themselves, and calcium would be released from carbonates that would dissolve to neutralize the acid produced during sulfide oxidation. The equivalents of molybdenum, manganese, and iron were also somewhat inversely correlated with oxygen, suggesting these metals were also released during sulfide oxidation (Figure 9.2-13b).

Some parameter pairs did not correlate as well as expected, for example, sodium and silica (feldspar dissolution; Figure 9.2-13b). This lack of correlation may be explained by additional sources of sodium, such as ion exchange, or sinks for silica, such as precipitation of amorphous silica.

In summary, many constituents were not correlated, but some key correlations were identified that suggest the following:

- Sulfide minerals have been oxidizing.
- Carbonates account for most of the dissolved solids.
- The carbonates likely contain magnesium.
- Some metals were likely released as a result of sulfide oxidation.

9.2.5.7. Temporal Trend Analysis

Temporal trends in geochemical monitoring data indicate changes to the geochemical equilibrium of the system. Temporal trends, other than seasonal cycles, are rare in natural groundwater systems because these systems are usually old enough that equilibrium has been reached. Sometimes short-term trends are identified after a well is installed that reflect the response to a short-term disequilibrium caused by the well installation. If such trends are identified, these data should be flagged accordingly and excluded from interpretation of ambient groundwater conditions.

Most trends identified by the Mann Kendall test were rejected upon visual inspection either because the concentration changes were deemed insignificant or because the trend was no longer present by 2008. The visual inspection of the time series plots showed that most trends were strongest in the first three to four sampling events and then equilibrated to the natural groundwater conditions. Classic examples of this behavior included barium at well MW-12D and cobalt at well MW-12S (Appendix 9.2I). In well MW-5S, arsenic varied up and down seasonally but decreased year to year up to 2008, then leveled at a concentration of about 0.6 µg/L in 2008. Decreasing concentrations were far more common than increasing concentrations during the early sampling events. Most parameters had decreasing trends early in the sample record; typically only iron and copper had increasing trends early in the sample record.

The following ongoing trends were identified (Appendix 9.2I):

- MW-13D – decreasing for barium.
- MW-14D – increasing for boron, arsenic, alkalinity, sodium, sulfate, and TDS.
- MW-9D – increasing for calcium and sodium.
- SRK3 – increasing for alkalinity.

Slow equilibration seemed to be more common for increasing than for decreasing trends. Well MW-14D stood out as the well with the strongest increasing trends, including TDS, which increased from 150 mg/L in 2005 to 400 mg/L in 2008. These trends are more difficult to explain by the normal equilibration process that occurs after installing a monitoring well. Increasing trends of metals could possibly be related to corrosion of metal parts that were accidently introduced to the completion zone during drilling, but no

plausible explanation could be found for the increase of major ions such as sodium, alkalinity, or sulfate in well MW-14D.

9.2.5.8. Deep Groundwater Samples

A set of groundwater samples was collected from exploration borehole DH-8417 (Figure 9.2-1) in the summer of 2008. This borehole was located in the Pebble East area and reached a depth of 4,050 feet. Airlift pumping tests were conducted in DH-8417 as drilling progressed, and pressure response was measured in DH-6349, which was located about 100 feet away. Near the end of each pumping test in DH-8417, one or several samples were collected for water quality analysis. Pumped volumes ranged from 9.6 to 17.5 borehole volumes above a depth of 2,350 feet and from 1.5 to 4.2 borehole volumes below a depth of 2,350 feet (Table 9.2-4). Therefore, the samples above 2,350 feet are generally expected to be more representative of the groundwater chemistry because of the higher pumped volume. Because the samples were collected by airlifting, the measured pH was likely quite different than the in-situ pH due to the associated oxygenation associated with airlifting. Similarly, the concentrations of the major ions were probably more representative than the trace metals and trace elements, because the major ions would be less sensitive to mineral precipitation as a result of oxygenation. Twenty water quality samples were collected from eight depth intervals ranging from 640 to 4,050 feet at DH-8417 (Table 9.2-4). Eight samples were primary samples and 12 were QC samples (duplicates and blanks).

As shown on the Piper plot (Figure 9.2-23), the shallowest sample from interval 640 to 950 feet had a calcium-bicarbonate water type, which means that the dominant cation was calcium and the cominant anion was bicarbonate. All deeper samples below this interval had a calcium-sodium-sulfate water type. The sodium content ranged from 50 to 65 percent and the sulfate content was 80 percent or higher. Concentrations generally increased with depth down to 2,000 or 3,000 feet, depending on the parameter (Figures 9.2-23 and 9.2-24a through 9.24c). The depth over which the concentrations increased generally correlated with the depth of the fault contact between the Tertiary bedrock and the mineralized bedrock. TDS increased noticeably down to a depth of about 2,000 feet and stabilized below this depth at concentrations between 1,700 mg/L and 2,500 mg/L. The depth trend for sodium, magnesium, sulfate, and chloride was similar to TDS. The magnesium concentration peaked at about 25 mg/L at a depth of 3,000 feet, then decreased again to about 15 mg/L at a depth of 4,000 feet. Alkalinity had a maximum concentration of 130 mg/L in the shallowest sampling interval and had concentrations that varied randomly between 50 and 90 mg/L at greater depths, which contrasted with other parameters. The pH decreased from a maximum of 8.4 in the shallow depths to a minimum of 7.3 at the deeper depths of the borehole. However, as discussed earlier, because the samples were collected by airlifting, the measured pH was probably affected by the associated oxygenation and probably did not represent the in-situ pH. Consequently there were no valid pH data collected at depth. Among the minor ions and metals, lead, molybdenum, thallium, and arsenic concentrations peaked between 2,500 and 3,500 feet, and decreased again at greater depth. The concentrations of minor ions and metals were probably more affected by the airlift sampling than the major ions, and the depth trends of these minor elements were likely less representative than the major ions. Nevertheless, similar to the major ions, the concentrations of minor ions and metals were higher below the fault contact between the Tertiary bedrock and the mineralized bedrock.

The composition of the deep bedrock ground water samples was different from most shallow ground water samples (Figure 9.2-25). Three of the shallow bedrock nests approached the composition of the

deep bedrock samples, but all nests completed in overburden were distinctly different. With respect to the major cations, the deep bedrock ground water samples had proportionally less magnesium and more sodium. With respect to the major anions, all but one of the deep bedrock ground water samples was strongly dominated by sulfate (80 percent or greater), whereas all but one of the shallow samples contained less than 60 percent sulfate. In summary, one deep bedrock ground water sample had a water type of calcium-bicarbonate and all other deep samples were of type sodium-sulfate. Of all the shallow wells, PQ4 had a composition that was most similar to the deep samples and was of type calcium-sulfate. Wells P4S, MW-14D, and SRK5D were the next most similar samples.

The type of relationship between the concentration of a particular constituent and TDS depended on the constituent. The concentrations of some constituents increased linearly as a function of TDS for both shallow and deep samples. This behavior was observed for sulfate (Figure 9.2-26a), fluoride (Figure 9.2-26a), potassium (Figure 9.2-26c), and somewhat for molybdenum (Figure 9.2-26b). The second class of parameters showed a different behavior for samples in shallow and deep groundwater, and could not be approximated by a common line. Parameters in this category included chloride, magnesium, mercury, and zinc. For cases where concentrations increased proportionally in both deep and shallow samples, a common mineral dissolution process likely controlled the concentrations of these constituents. These constituents probably accumulate steadily in the groundwater as it reaches greater depths. For example, the dissolution of fluorite is likely the only process contributing fluoride to the groundwater. The concentration of this parameter increased as the TDS increased with the dissolution of other more soluble minerals. Conversely, the concentration of parameters that increase differently as a function of TDS in shallow and deep groundwater is likely controlled by different processes as a function of depth. For example, calcium and magnesium concentrations were likely controlled by the dissolution of the relatively soluble carbonates in the shallow wells but may have been controlled by dissolution of less soluble silicates in the deep bedrock. In contrast, chloride had very low concentrations in the shallow wells due to the lack of a subsurface source. Due to the extended residence time and the slightly elevated temperature, the groundwater in the deep bedrock seemed to leach chloride from minerals that would not dissolve under near-surface conditions.

Conversely, some parameters in the shallow wells had higher concentrations than in the ground water in the deep bedrock. For example, barium, zinc, and particularly mercury had some ground water concentrations that were higher in the shallow wells than in the deep bedrock wells, suggesting that the respective minerals were more abundant in the shallow zone (Figures 9.2-26b and 9.2-26c). Most of the shallow wells that had concentrations greater than the deep bedrock ground water samples were located close to the general deposit area, including SRK3, SRK2, MW-12S, and SRK5S. Well MW-14D also had parameters with concentrations greater than the deep bedrock ground water samples but was located about 4 miles south of the general deposit area.

9.2.6. Summary

In general, the groundwater within the mine study area was mostly characterized by TDS less than 100 mg/L (comparable to surface water), pH between 5.8 and 7.4, DO greater than 10 mg/L, and trace metals below the most stringent ADEC water quality criteria. The groundwater was divided into three general classes based on TDS: high TDS close to the general deposit area, intermediate TDS at intermediate distances from the general deposit area, and low TDS at greater distances from the general deposit area. The wells with the highest proportion of sulfate were located closest to the general deposit

area, suggesting the groundwater in this area is influenced by sulfide oxidation (Figures 9.2-3 and 9.2-4). Eight of the wells (six completed in overburden, two in bedrock) had median pH values greater than 7.0, and three of these wells (all completed in overburden) have the highest TDS concentrations (Figures 9.2-3 and 9.2-4; Table 9.2-3). Eight wells (five completed in overburden, three in bedrock) had pH median values less than 6.0. Of the wells completed in overburden, these eight wells contained among the lowest median TDS concentrations and had major-ion compositions with less than 50 percent sulfate in all but one sample (Figure 9.2-3). Therefore, these relatively low pH values are most likely due to equilibrium with atmospheric carbon dioxide (CO_2) in the absence of pH-buffering minerals rather than sulfide oxidation. This interpretation is consistent with the shallow depths of these wells.

Except for 12 wells (three in overburden and nine in bedrock), median DO concentrations were 5 mg/L or greater, which suggests that the aquifer solids in most areas of the site do not include abundant reducing agents such as organic carbon or sulfide minerals. Short groundwater transit times through the aquifers may also help to maintain high DO concentrations. Eight of these 12 wells had DO concentrations less than 1 mg/L, and three of these wells had the highest TDS (Table 9.2-3). Although many wells within the study area have oxic groundwater, and sulfides appear to be oxidizing in at least some parts of the general deposit area, both the correlation between low DO and high TDS and relatively high iron and manganese suggest that some occurrences of high TDS might be due to oxidation of sulfides.

The wells with high TDS also generally had relatively high concentrations of arsenic, barium, and molybdenum compared with other wells in the study area (Table 9.2-3). All of the wells with more than two trace metals at relatively high concentrations were located closer to the general deposit area. The wells that were located further from the general deposit area mostly had relatively low trace metal concentrations (Table 9.2-3). Well PQ4 had the most trace metals (nine) at relatively high median concentrations. Although some wells had trace metal concentrations that were higher than other wells, very few samples were higher than the most stringent ADEC maximum criterion.

Several wells had decreasing concentrations over time early in the sampling record, indicating that the geochemistry around the well was equilibrating during that time. Well MW-14D is the only well that had a large number of parameters with concentrations that increased year to year throughout the sampling record.

The TDS of deep groundwater samples collected from borehole DH-8417 at eight depth intervals ranging from 640 to 4,050 feet increased with depth. Most of the samples collected at greater depths were of type sodium-calcium-sulfate and reached a TDS of 2,000 mg/L. The concentrations of some constituents in the overburden and shallow bedrock ground water wells were similar to the concentrations of the deep bedrock ground water samples.

9.2.7. References

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TABLES

TABLE 9.2-1
Screens Completed at Each Groundwater Monitoring Location, Mine Study Area, 2004-2008

Nest	Total Number of Samples Collected [a]	Completions [b, c] (feet)	Lithology
MW-1	17	S (32)	Gravel with sand
	18	M (72)	Gravel with sand
	18	D (134)	Bedrock contact
MW-2	19	D (135)	Gravel with sand
MW-3	10	D (192)	Gravelly sand
MW-5	18	S (41)	Silty sand
	19	M (65)	Gravelly sand
	14	D (105)	Bedrock contact
MW-6	19	D (91)	Gravel with sand
MW-7	14	S (29)	Gravel with sand
	19	D (72)	Bedrock contact
MW-8	19	S (17)	Gravel with sand
	19	M (46)	Gravelly sand
	19	D (97)	Gravelly sand
MW-9	8	D (72)	Sand
MW-10	15	D (40)	Bedrock contact
MW-11	8	SS(26)	Sandy gravel
	15	S (69)	Sandy gravel
	17	M (111)	Sandy gravel
	17	D (136)	Bedrock contact
MW-12	14	S (41)	
	14	D (122)	Bedrock contact
MW-13	13	S (31)	
	13	D (110)	Bedrock contact
MW-14	13	S (46)	
	14	D (101)	Bedrock contact
P-4S	13	S (50)	Sand with Silt
PQ4	13	D (133)	Bedrock contact
SRK2	17	D (134)	Bedrock contact
SRK3	13		Bedrock contact
KP-P3/SRK5	18	S (22)	Sand with gravel
	18	M (52)	Sand with gravel
	4	D (78)	Bedrock contact
KP-P4	16	S (43)	Sand with Gravel
P-06-37	9	S (25)	Gravel with Sand
	9	M (91)	Bedrock Contact
	9	D (201)	Bedrock Contact
P-06-38	4	M (62)	Bedrock Contact
	1	D (170)	

Nest	Total Number of Samples Collected [a]	Completions [b, c] (feet)	Lithology
DH-8417	3	B(640-795)	Deep Bedrock
	2	C(950-1,470)	Deep Bedrock
	1	E(1,900-2,350)	Deep Bedrock
	2	F(2,356-2,900)	Deep Bedrock
	2	G(2,900-3,300)	Deep Bedrock
	1	H(3,300-3,700)	Deep Bedrock
	1	I(3,700-4,050)	Deep Bedrock

Notes:

a. The timing of sample collection is documented in the Period of Record Index, which is included in the Field Sampling Plan (Appendix G of the Environmental Baseline Document).

b. D = deep, M = medium, S = shallow.

c. Numbers in parentheses are depths, in feet, to bottom of well below ground surface; the screen length is typically 10 feet.

TABLE 9.2-2
Frequency of Detection and Method Detection Limit by Parameter for Groundwater Samples, Mine Study Area, 2004-2008

Parameter	Unit	MDL				# Samples	Frequency of Detection
		Minimum	Maximum	Median	95th Percentile		
Alkalinity	mg/L	3.1	6.2	3.1	6.2	523	97
Aluminum	µg/L	0.07	7.8	0.62	0.62	489	57
Ammonia	mg/L	0.031	0.031	0.031	0.031	531	22
Antimony	µg/L	0.0031	0.077	0.015	0.077	504	66
Arsenic	µg/L	0.0121	3.1	0.31	0.31	532	50
Barium	µg/L	0.025	0.763	0.025	0.094	521	100
Beryllium	µg/L	0.003	0.05	0.025	0.025	531	5
Boron	µg/L	0.2	7.5	2.5	3.1	500	29
Cadmium	µg/L	0.006	0.06	0.015	0.037	529	11
Calcium	µg/L	15	600	15	150	536	100
Chloride	mg/L	0.031	0.31	0.031	0.031	539	100
Chromium	µg/L	0.062	0.4	0.1	0.1	521	82
Cobalt	µg/L	0.0031	0.1	0.01	0.02	499	87
Copper	µg/L	0.0209	0.5	0.05	0.062	511	96
Cyanide	mg/L	0.0015	0.0025	0.0015	0.0025	540	4
Fluoride	mg/L	0.031	0.31	0.031	0.031	536	69
Hardness	mg/L	0.157	40	1	10	534	100
Iron	µg/L	2.65	62	6.2	6.2	530	58
Lead	µg/L	0.022	0.124	0.031	0.1	487	20
Magnesium	µg/L	1.55	248	6.2	62	533	100
Manganese	µg/L	0.013	0.5	0.015	0.27	487	95
Mercury	µg/L	0.00095	0.063	0.0009	0.0015	415	11
Molybdenum	µg/L	0.0062	0.31	0.015	0.31	485	94
Nickel	µg/L	0.03	0.62	0.062	0.062	501	98
Nitrate+Nitrite	mg/L	0.006	0.31	0.031	0.1	516	76
Orthophosphate	mg/L	0.031	0.031	0.0031	0.031	63	5
Potassium	µg/L	1.42	150	15	15.5	529	100
Selenium	µg/L	0.0286	1.24	0.31	0.31	537	17
Silica as SiO2	µg/L	31	310	31	150	534	100
Silver	µg/L	0.003	0.0124	0.0062	0.0062	530	2
Sodium	µg/L	31	1,240	31	310	533	100
Sulfate	mg/L	0.031	3.1	0.031	0.155	528	100
Thallium	µg/L	0.004	0.04	0.01	0.025	539	6
Tin	µg/L	0.031	0.31	0.1	0.2	521	6
Total Phosphorus	mg/L	0.0022	0.155	0.0031	0.031	514	92
Vanadium	µg/L	0.009	1.24	0.31	0.5	522	43
WAD Cyanide	mg/L	0.001	0.0025	0.001	0.0025	540	6
Zinc	µg/L	0.26	3.1	0.31	0.47	489	58

Key:
mg/L = milligram(s) per liter. µg/L = microgram(s) per liter.

TABLE 9.2-3
Groundwater Monitoring Wells with Consistently Distinctive Water Chemistry, Mine Study Area, 2004-2008

Well	TDS > 180	pH > 7	pH < 6	DO < 2	Relatively Elevated Concentrations: Ca	Mg	Na	K	Alk	SO4	Al	As	Sb	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn	Anomalous Composition: cations	anions	high SO4 %
MW-1S			•																										•			
MW-1M																													•			
MW-1D																															•	
MW-2D		•										•	•															•				
MW-3D												•											•		•						•	
MW-5S												•							•		•	•	•									
MW-5M	•	•		•	•	•	•		•			•		•							•		•									
MW-5D				•	•	•	•					•	•						•		•		•							•			•
MW-6D																																	
MW-7S																															•		
MW-7D																																	
MW-8S																																	
MW-8M																																	
MW-8D		•																															
MW-9D																						•											
MW-10																																	
MW-11SS																			•														
MW-11S																																	
MW-11M																															•		
MW-11D																																	
MW-12S	•	•		•	•	•	•		•	•				•					•		•		•		•					•		•
MW-12D				•																			•		•							•
MW-13S			•																														

Well	TDS > 180	pH > 7	pH < 6	DO < 2	Relatively Elevated Concentrations: Ca	Mg	Na	K	Alk	SO4	Al	As	Sb	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn	Anomalous Composition: cations	anions	high SO4 %
MW13D																							●									
MW-14S																		●														
MW-14D	●	●		●	●		●					●	●						●		●		●									●
KP-P4		●																														
SRK2	●	●		●		●	●		●			●		●					●		●		●									
SRK3		●			●	●			●					●					●		●											
SRK5S			●																													
SRK5M																							●									
SRK5D																		●				●	●									
PQ4			●	●							●	●	●			●		●	●	●	●		●		●		●		●			
P4S																																●
P-06-37S																			●		●											
P-06-37M																			●		●											
P-06-37D				●															●		●											
P-06-38M											●						●	●	●	●	●	●							●			
P-06-38D																			●		●											
DH-8417B		●							●																							
DH-8417C	●	●			●	●	●	●		●																				●	●	●
DH-8417E	●	●			●	●	●	●		●			●										●						●	●	●	●
DH-8417F	●	●			●	●	●	●		●		●	●	●									●						●	●	●	●
DH-8417G	●	●			●	●	●	●		●		●	●	●					●				●				●		●	●	●	●
DH-8417H	●	●			●	●	●	●		●		●		●					●				●						●	●	●	●
DH-8417I	●	●			●	●	●	●		●		●		●					●				●						●	●	●	●

Key: Ag = silver; Al = aluminum; Alk = alkalinity; As = arsenic; Ba = barium; Be = beryllium; Ca = calcium; Cd = cadmium; Cr = chromium; Cu = copper; DO = dissolved oxygen; Fe = iron; Hg = mercury; K = potassium; Mg = magnesium; Mn = manganese; Mo = molybdenum; Na = sodium; Ni = nickel; Pb = lead; Sb = antimony; Se = selenium; SO4 = sulfate; TDS = total dissolved solids; Tl = thallium; V = vanadium; and Zn = zinc.

TABLE 9.2-4
Sampled Intervals in Deep Borehole 8417, Mine Study, 2004-2008

Depth (feet bgs)	Date	Borehole Volumes Pumped	Sample Collected	TDS (mg/L)
205-640 [a]	6-Jul-08	11.5	No	
640-950	13-Jul-08	9.6	Yes	155
950-1470	23-Jul-08	9.9	Yes	452
1470-1900 [b]	17-Aug-08	0.4	No	
1900-2350	23-Aug-08	17.5	Yes	1860
2356-2900	4-Sep-08	2.5	Yes	1760
2900-3300	10-Sep-08	3.9	Yes	2370
3300-3700	15-Sep-08	4.2	Yes	2030
3700-4050	21-Sep-08	1.5	Yes	985

Notes:

a. Sample not collected. Field EC=253 and pH=7.06

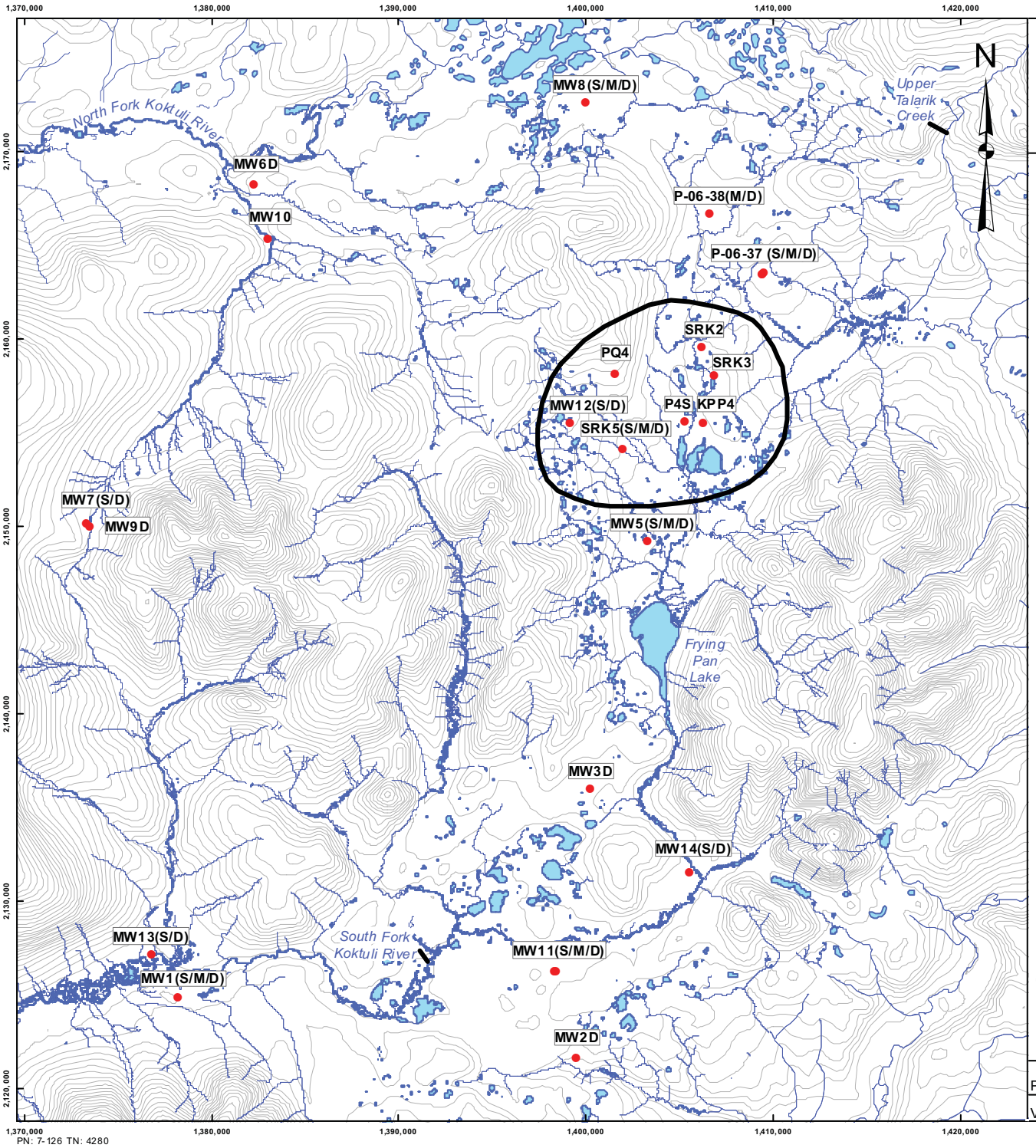
b. Sample not collected due to low pumping volumes

Key:

bgs = below ground surface.

mg/L = milligram per liter.

FIGURES



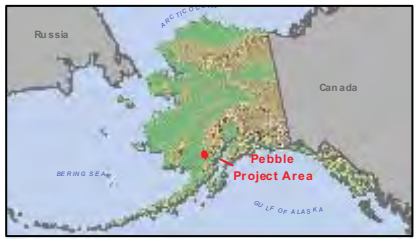
THE pebble PARTNERSHIP

Figure 9.2-1
Locations of Groundwater Monitoring Wells,
Mine Study Area 2004-2008

Legend

- Monitoring Well
- General Pit Outline
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.



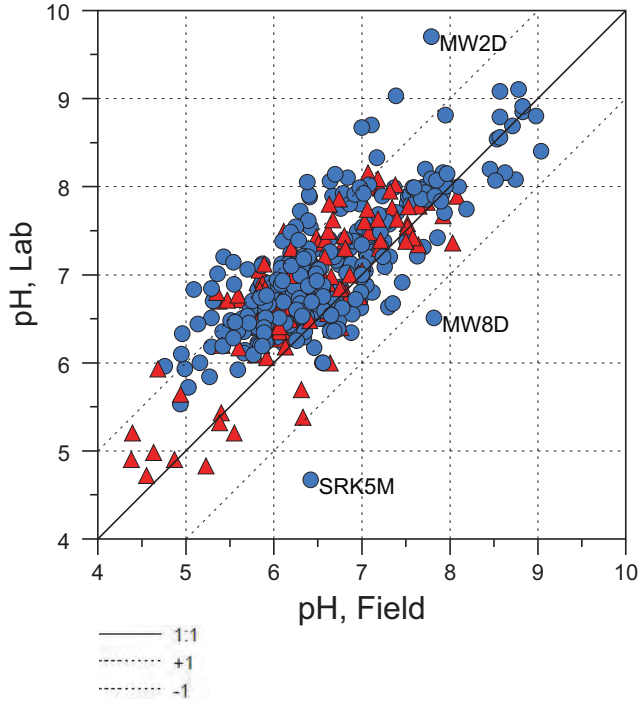
Feet
0 4,100 8,200 12,300 16,400

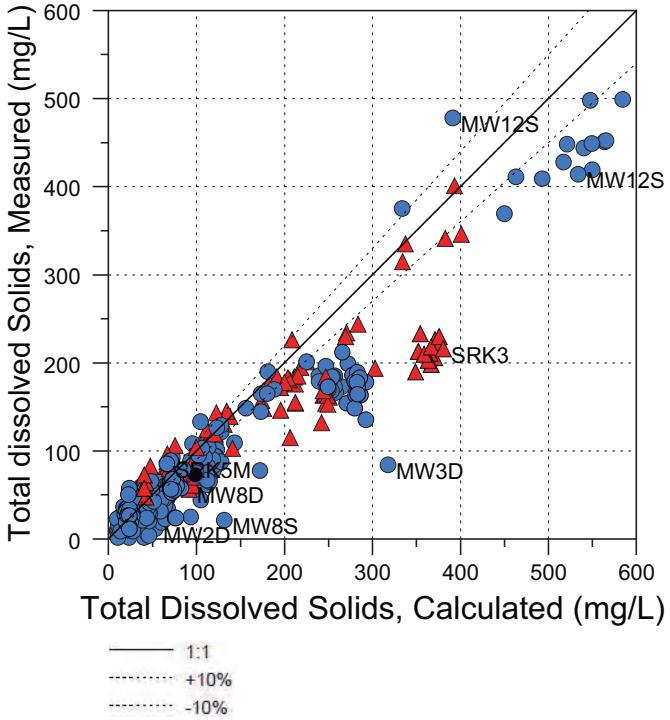
Meters
0 1,000 2,000 3,000 4,000

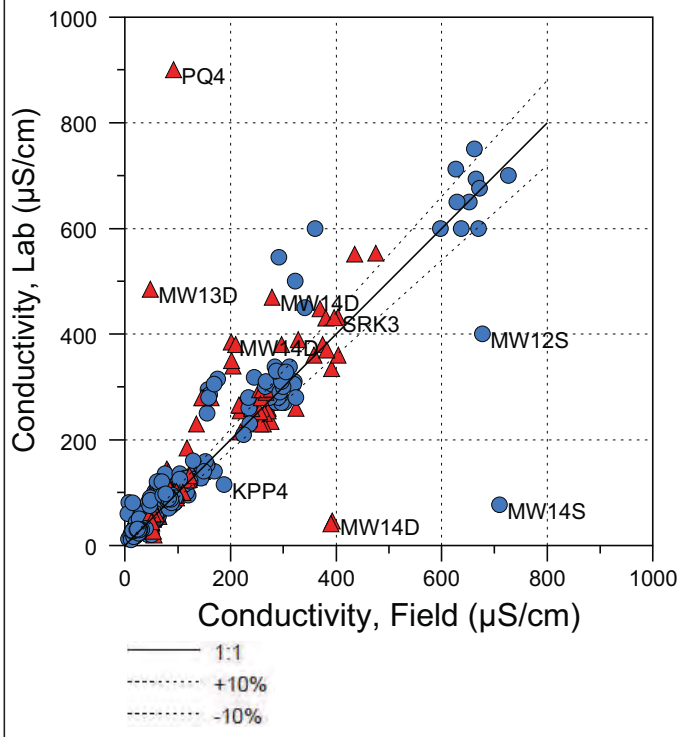
Scale 1:94,234

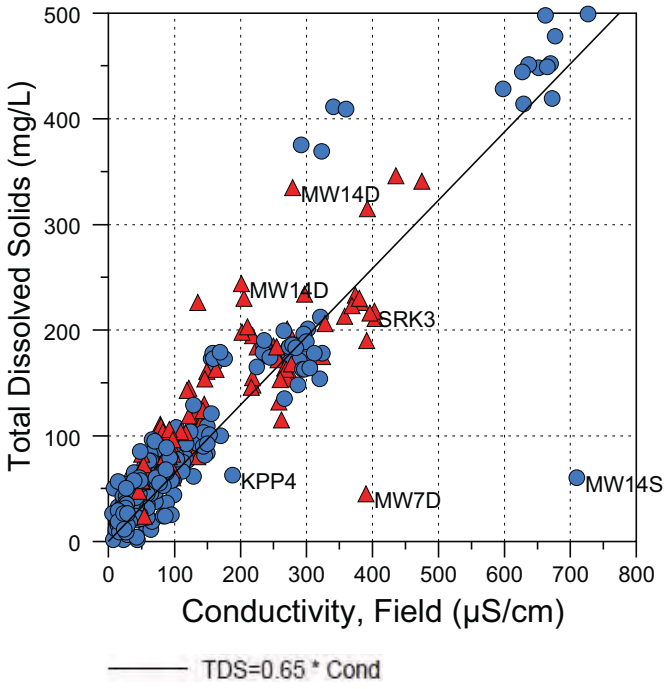
Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 7, 2011
Version: 1	Author: SWS-ca









Legend

- Groundwater in Overburden
- Groundwater in Bedrock

Notes:

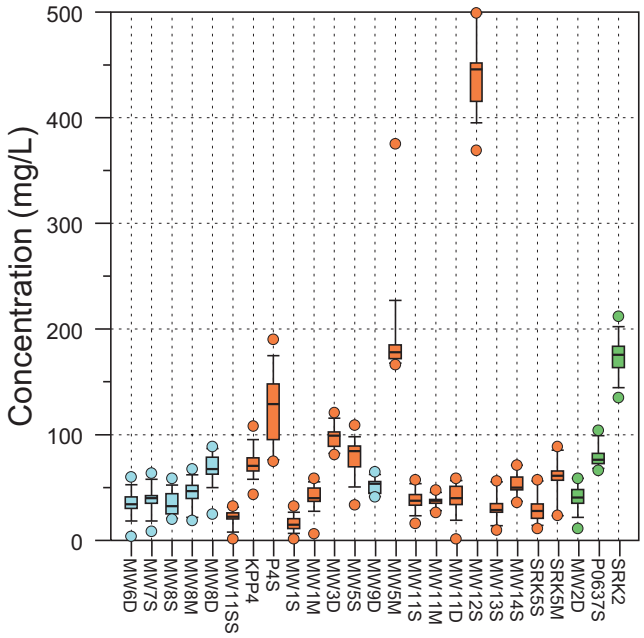
1. The data set includes all results from all wells for the years 2004-2008.
2. Examples of monitoring well identification labels: SRK3, MW8D
3. mg/L=milligrams per liter
uS/cm=micro-siemens per centimeter

THE pebble PARTNERSHIP

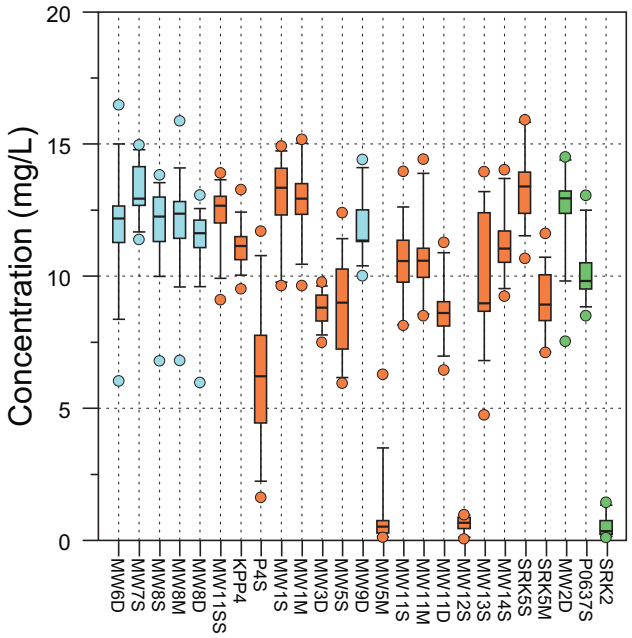
Figure 9.2-2
Quality Control Diagrams
Field-Lab Data Comparison,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

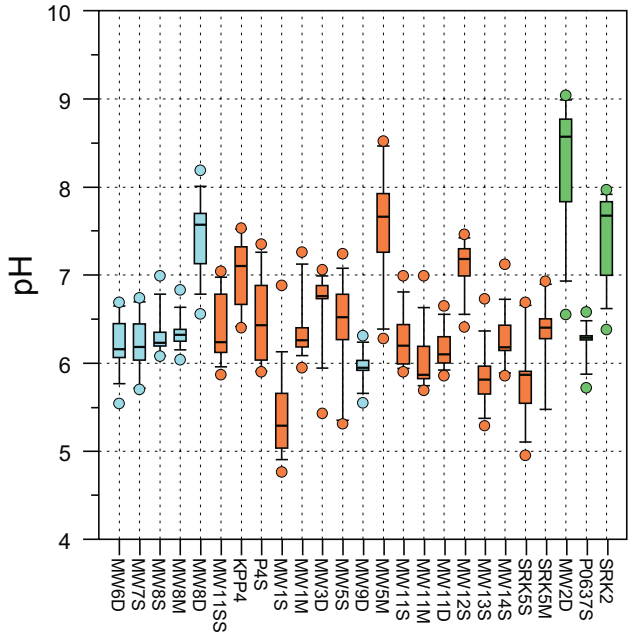
Total Dissolved Solids

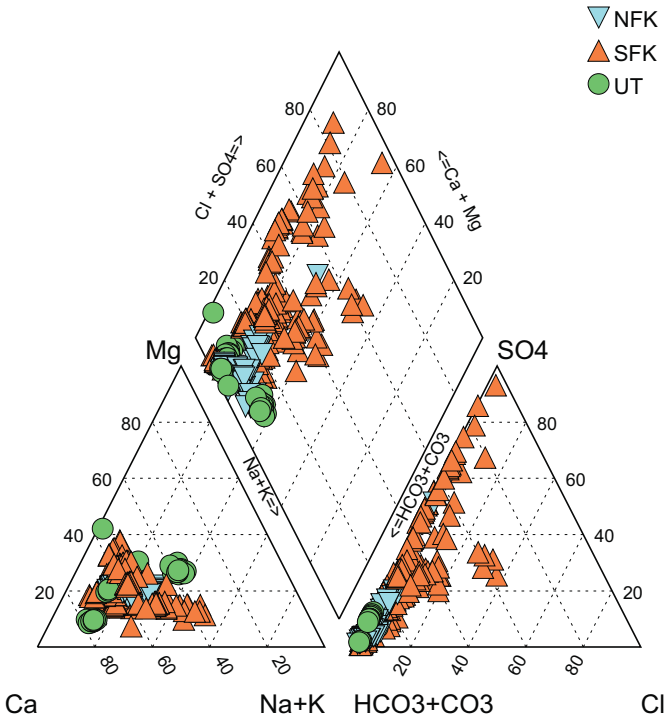


Dissolved Oxygen



pH (Field)





Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

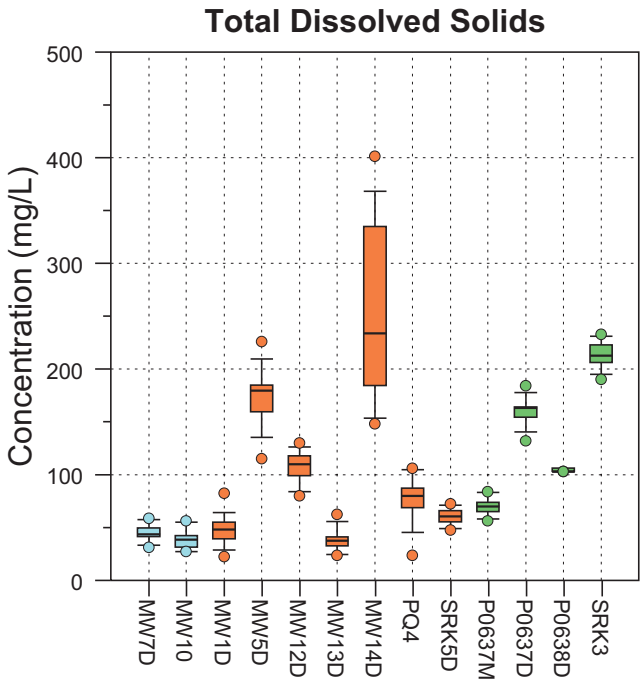
NFK
SFK
UT

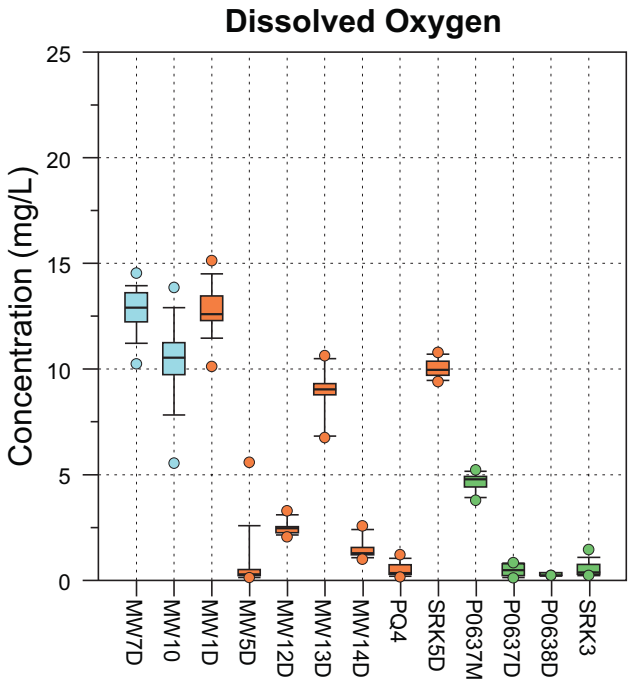
Notes:
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: SRK3
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.
5. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

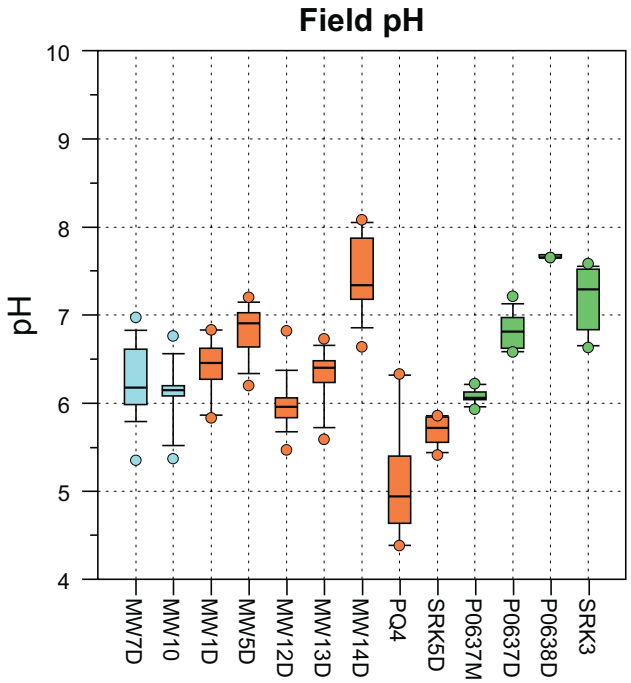
THE pebble PARTNERSHIP

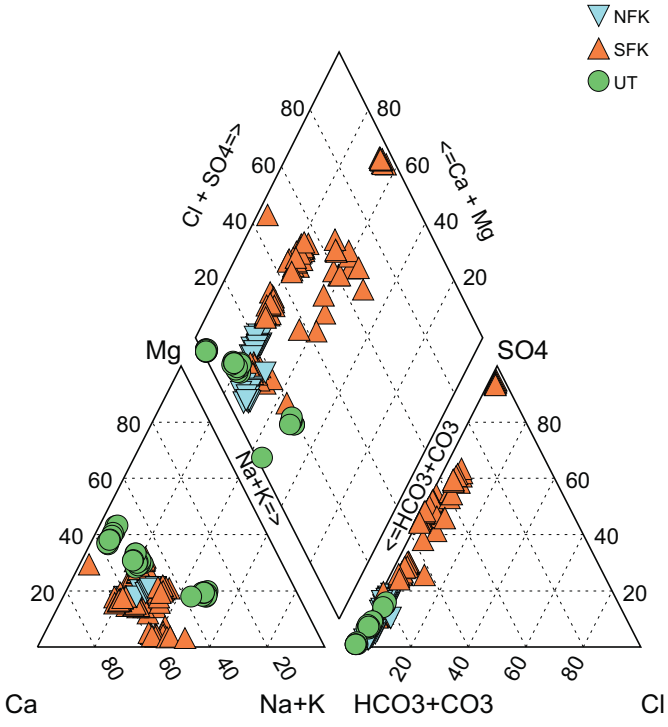
Figure 9.2-3
Box and Whisker Plots of TDS, DO and pH,
And Piper Plots of Individual Groundwater
Wells in Overburden, All Watersheds,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca









Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK
SFK
UT

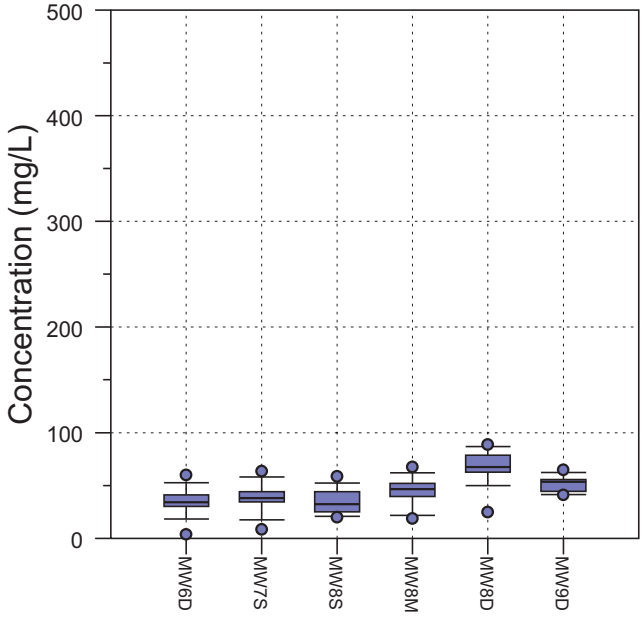
Notes:
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: SRK3
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.
5. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

THE pebble PARTNERSHIP

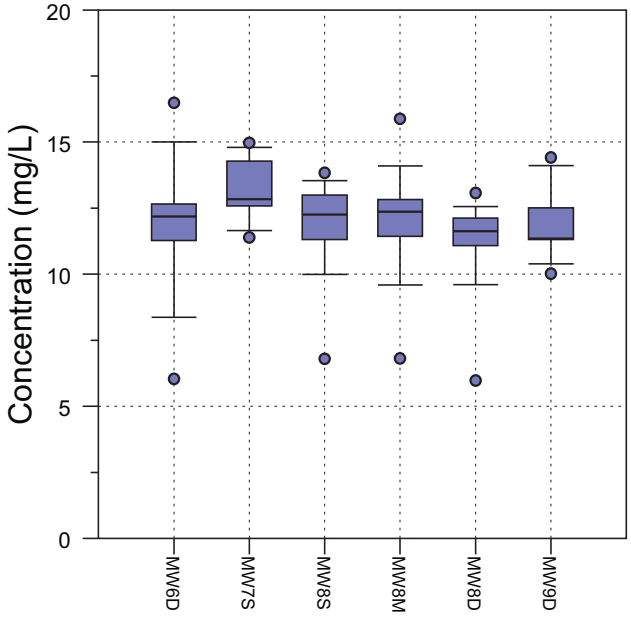
Figure 9.2-4
Box and Whisker Plots of TDS, DO and pH,
And Piper Plots of Individual Groundwater
Wells in Bedrock, All Watersheds,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

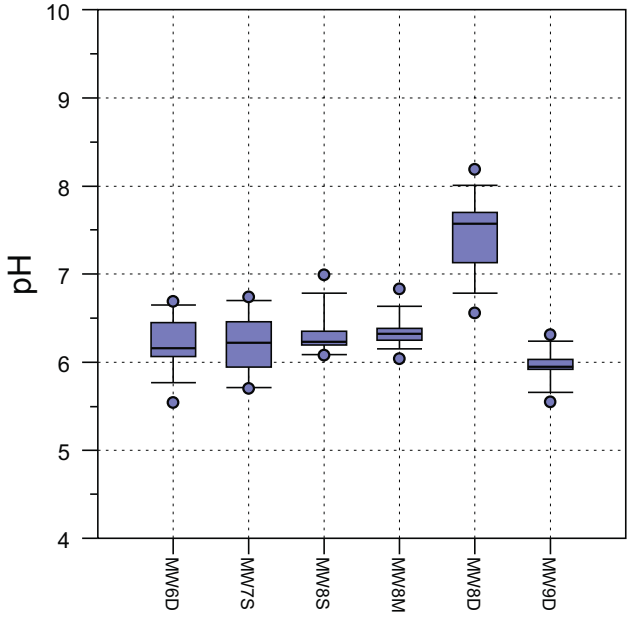
Total Dissolved Solids

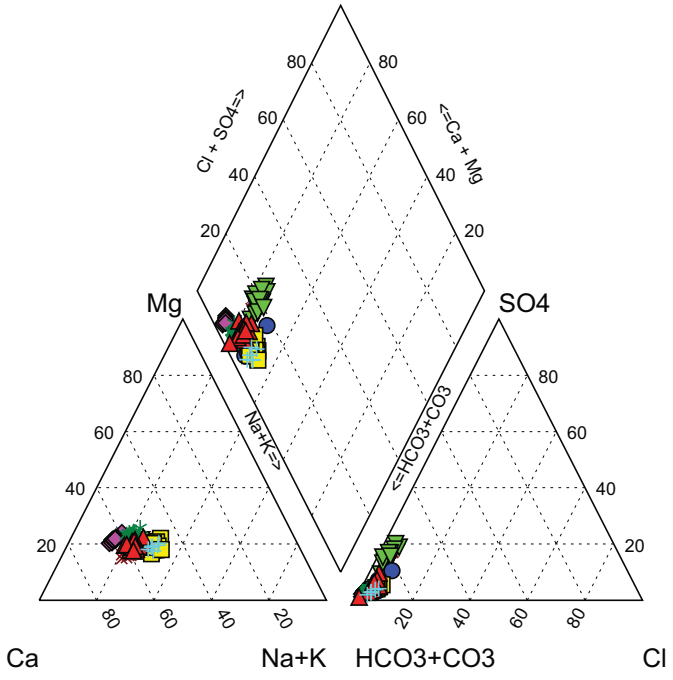


Dissolved Oxygen



pH (Field)





Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

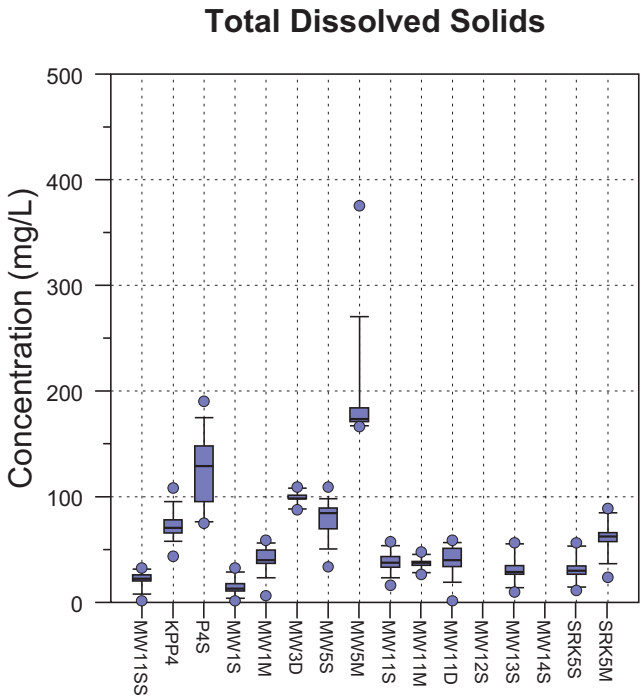
- MW8S
- MW6D
- MW7D
- MW7S
- MW8D
- MW9D
- MW10
- MW8M

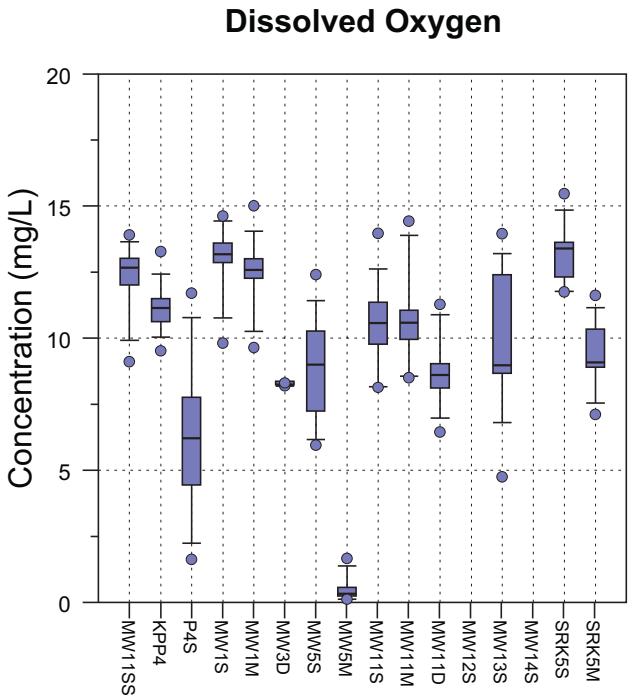
Notes:
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: MW8S
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.

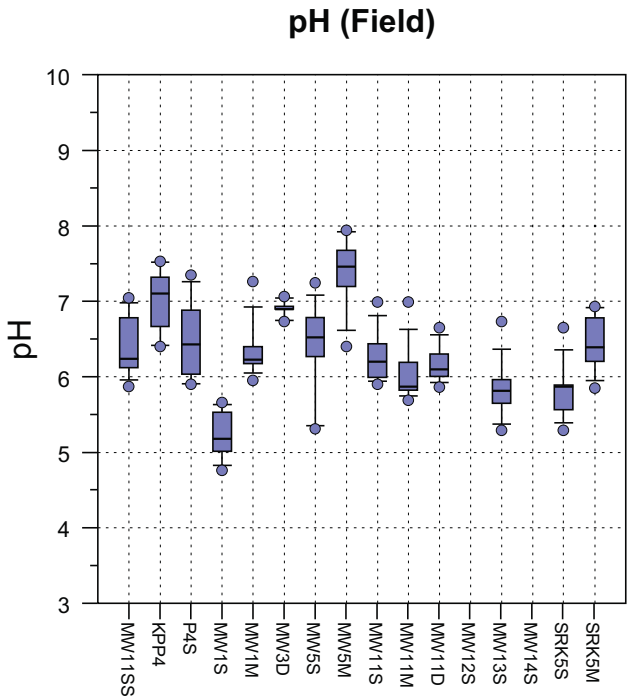
THE pebble PARTNERSHIP

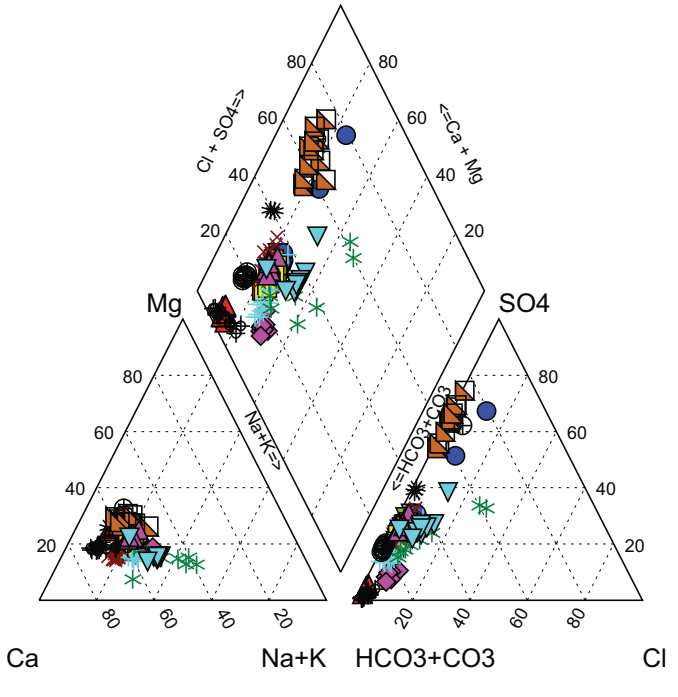
Figure 9.2-5
Box and Whisker Plots of TDS, DO and pH,
And Piper Plots of Individual Groundwater
Wells in Overburden, North Koktuli Watershed,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca









Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

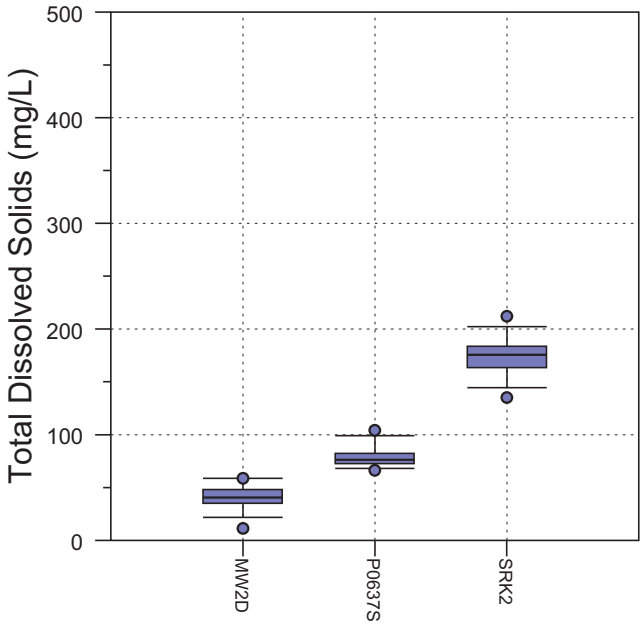
KPP4, MW1S, MW11D, MW3D, MW11M, MW5M, MW11S, MW5S, MW11SS, P4S, MW13S, SRK5M, MW1M, SRK5S

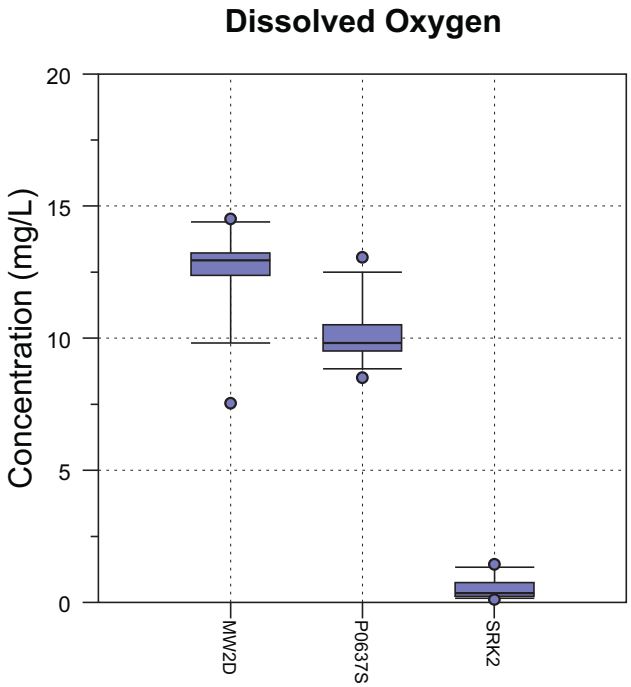
Notes:
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: KPP4
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.

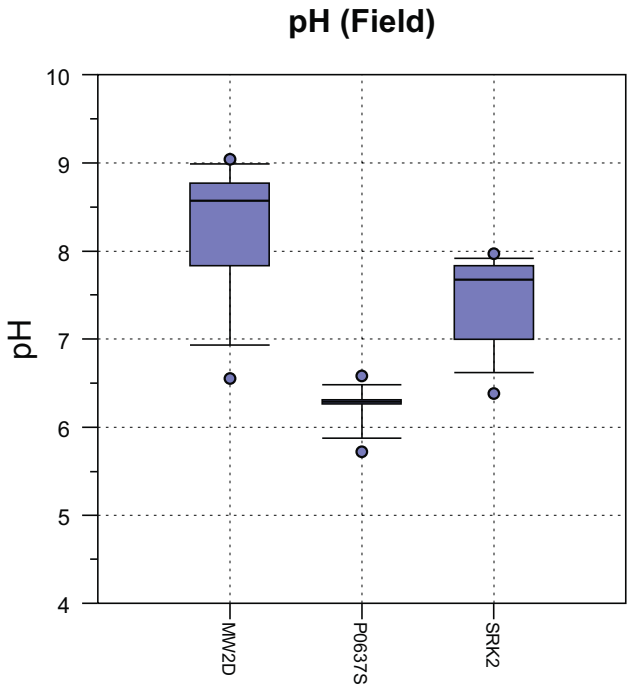
THE pebble PARTNERSHIP

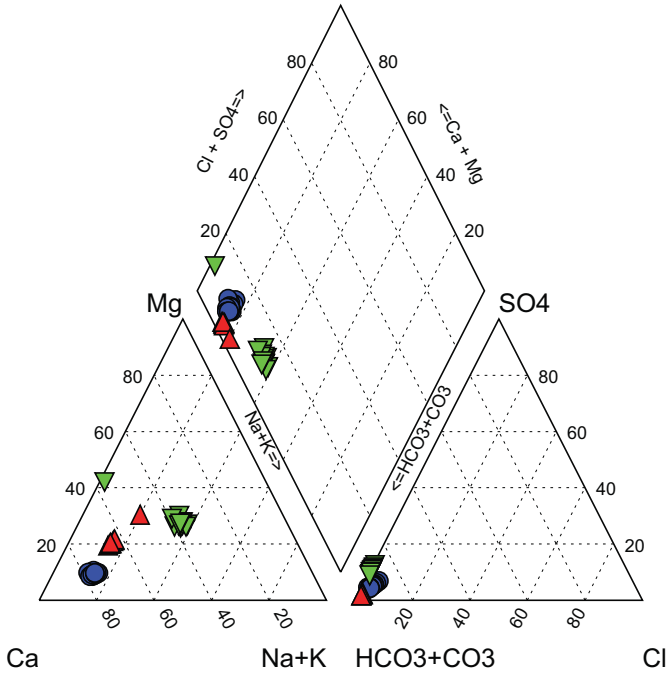
Figure 9.2-6
Box and Whisker Plots of TDS, DO and pH,
And Piper Plots of Individual Groundwater
Wells in Overburden, South Koktuli Watershed,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca









Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

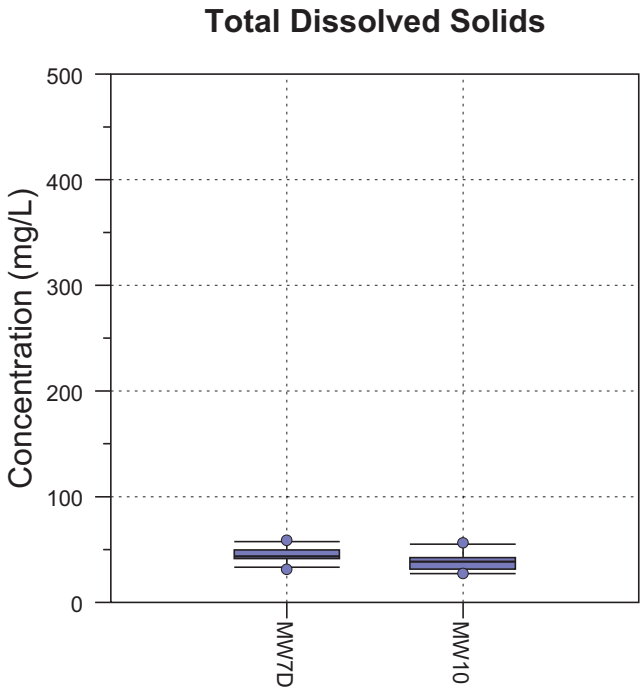
P0637S
SRK2
MW2D

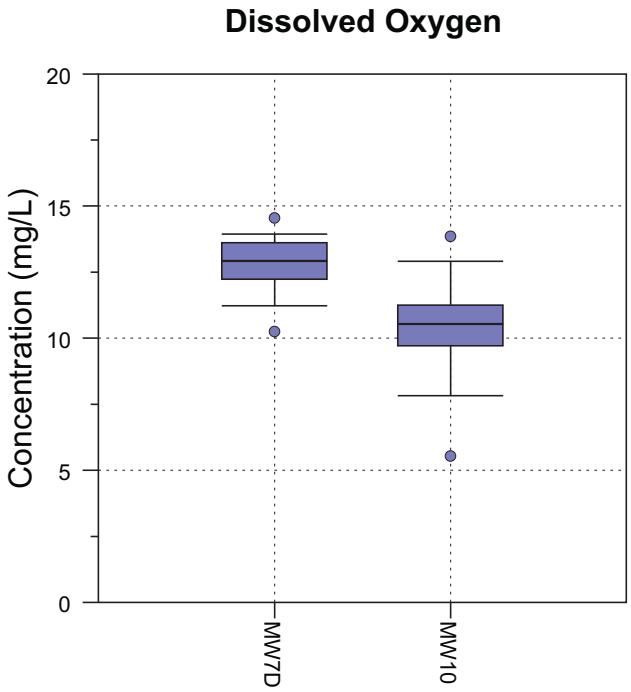
Notes:
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: SRK2
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.

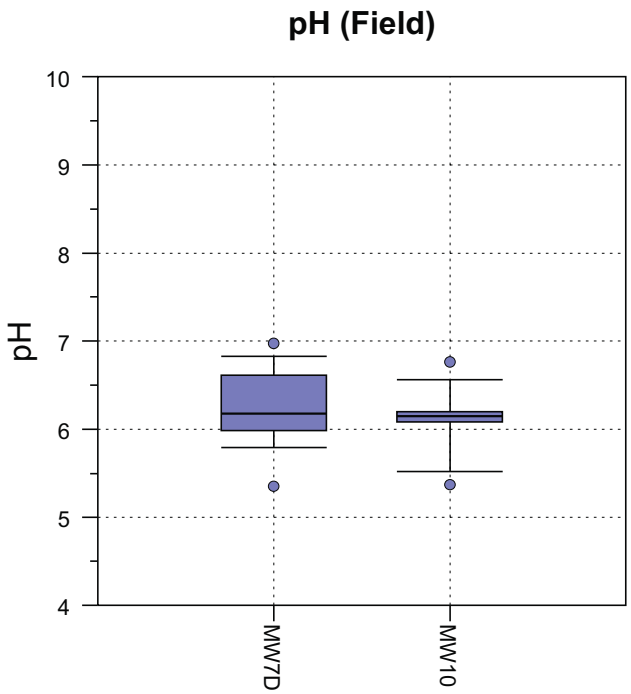
THE pebble PARTNERSHIP

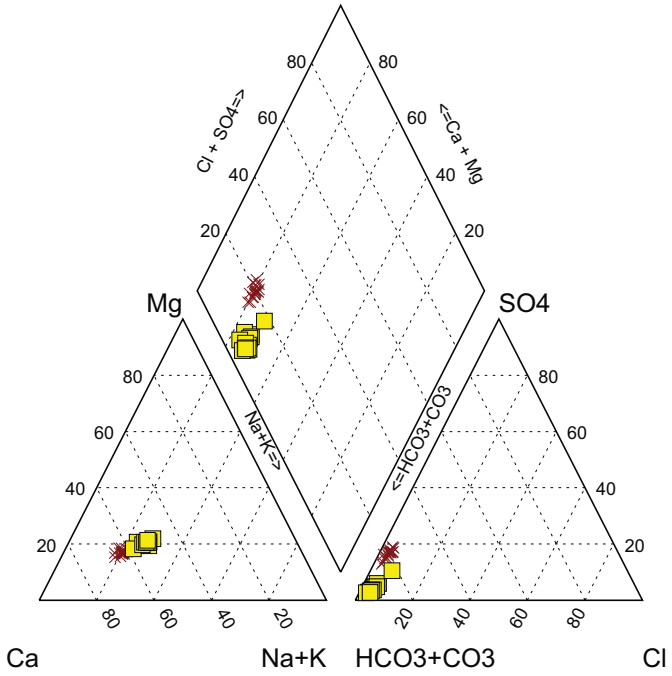
Figure 9.2-7
Box and Whisker Plots of TDS, DO and pH,
And Piper Plots of Individual Groundwater
Wells in Overburden, Upper Talarik Watershed,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca









Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

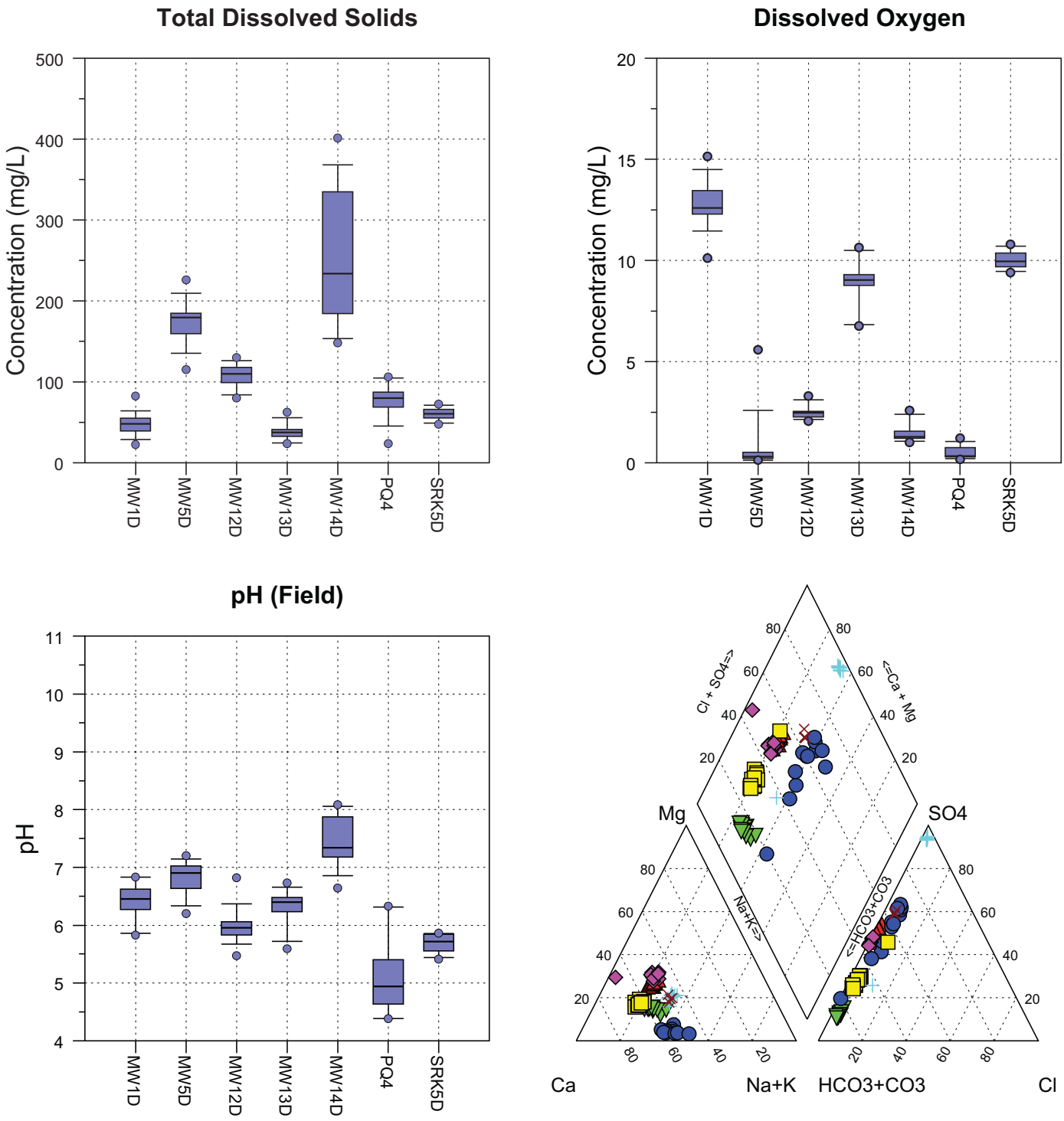
× MW10
MW7D

Notes:
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: SRK2
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.

THE pebble PARTNERSHIP

Figure 9.2-8
Box and Whisker Plots of TDS, DO and pH, and Piper Plots of Individual Groundwater Wells in Bedrock, North Koktuli Watershed, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

- MW12D
- MW13D
- MW14D
- MW1D
- MW5D
- PQ4
- SRK5D

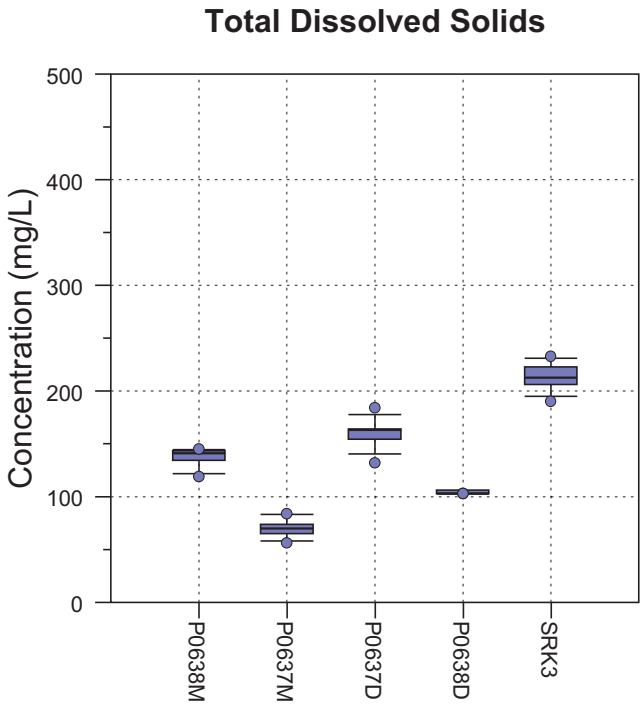
Notes:

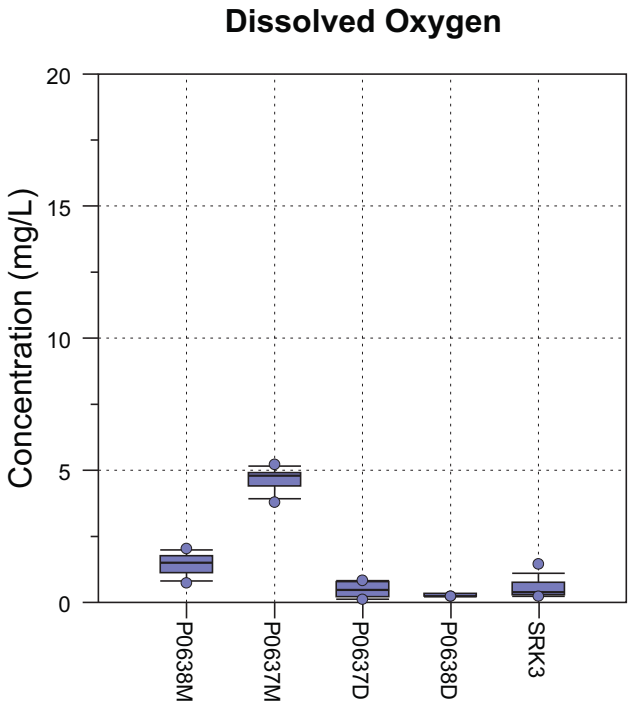
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: SRK5D
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.

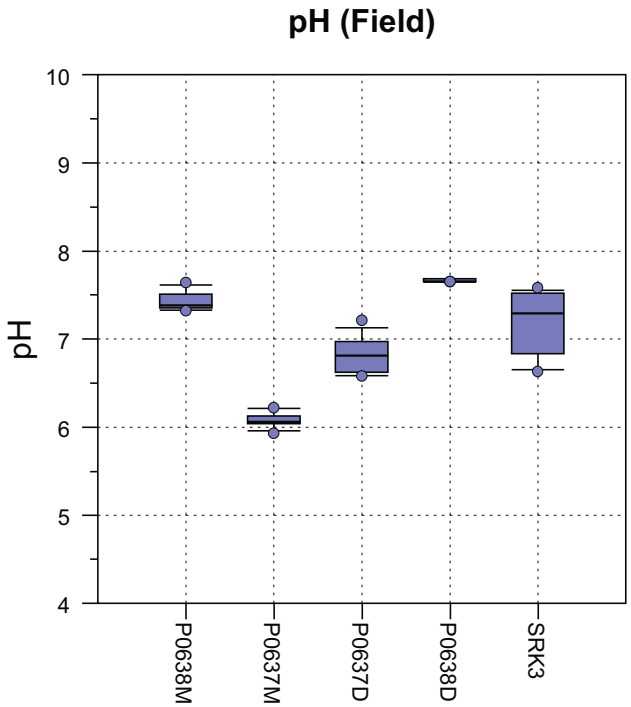
THE pebble PARTNERSHIP

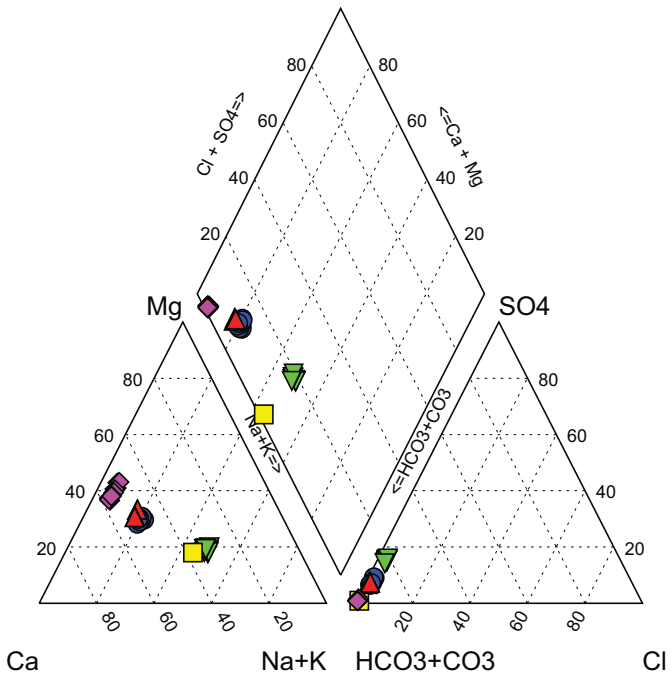
Figure 9.2-9
Box and Whisker Plots of TDS, DO and pH, and Piper Plots of Individual Groundwater Wells in Bedrock, South Fork Koktuli Watershed, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca









Legend

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

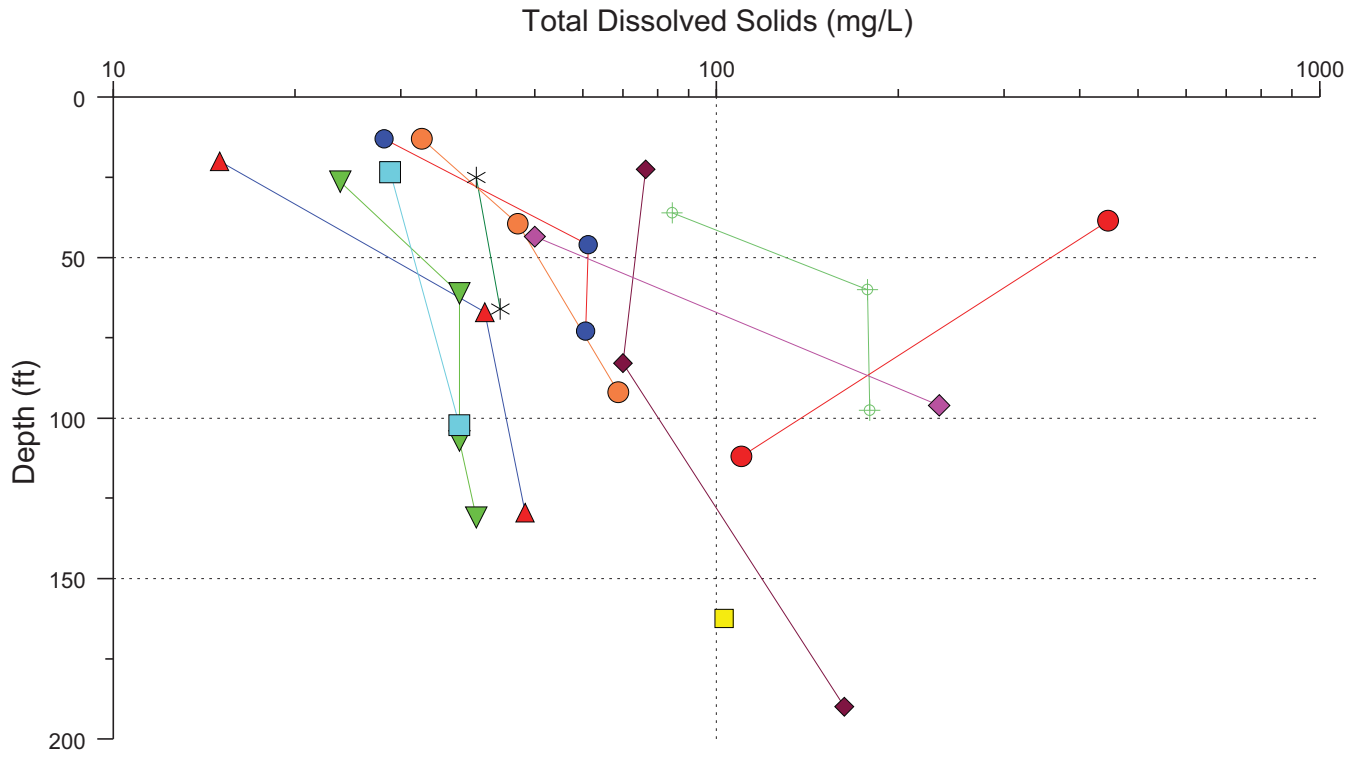
- P0638M
- P0637D
- P0637M
- P0638D
- SRK3

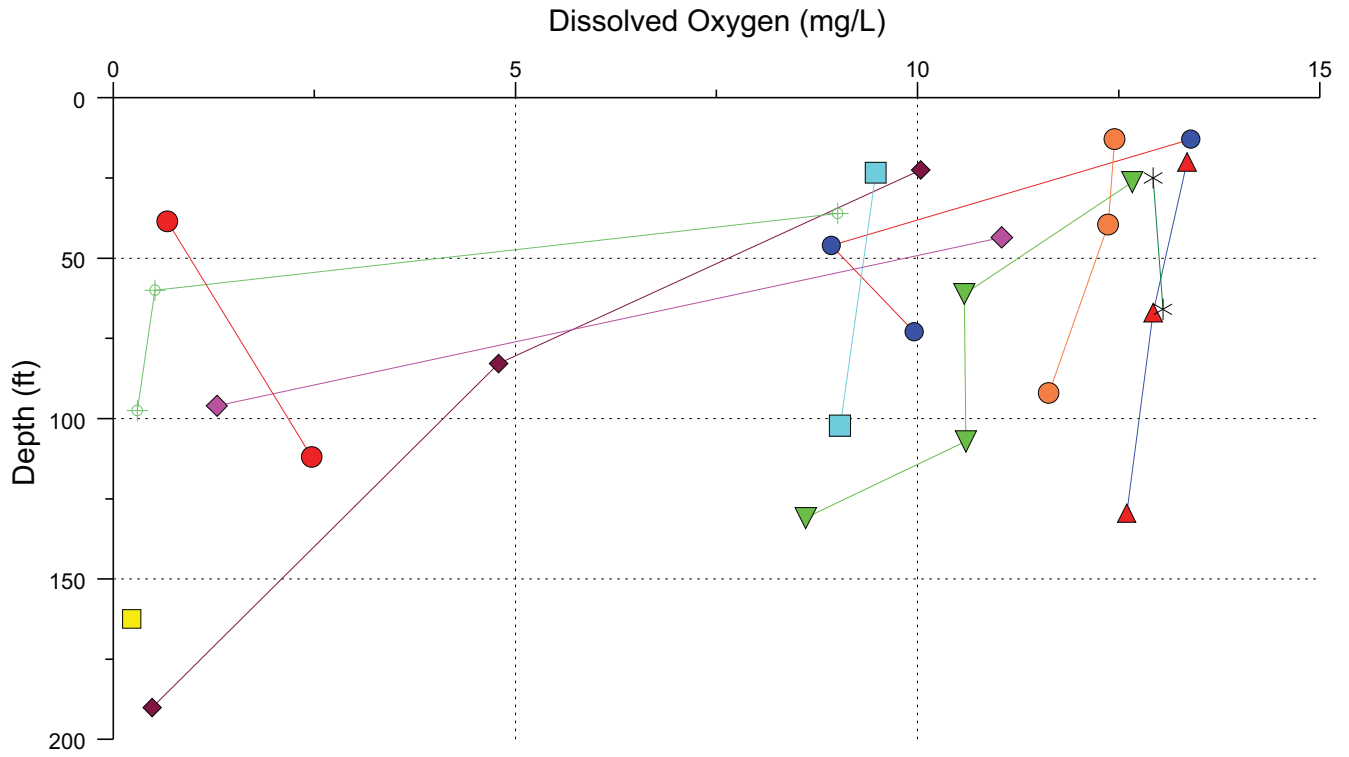
Notes:
1. The data set includes all results from all wells for the years 2004-2008.
2. Example of monitoring well identification label: SRK5D
3. mg/L=milligrams per liter
4. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.

THE pebble PARTNERSHIP

Figure 9.2-10
Box and Whisker Plots of TDS, DO and pH, and Piper Plots of Individual Groundwater Wells in Bedrock, Upper Talarik Watershed, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca





Legend

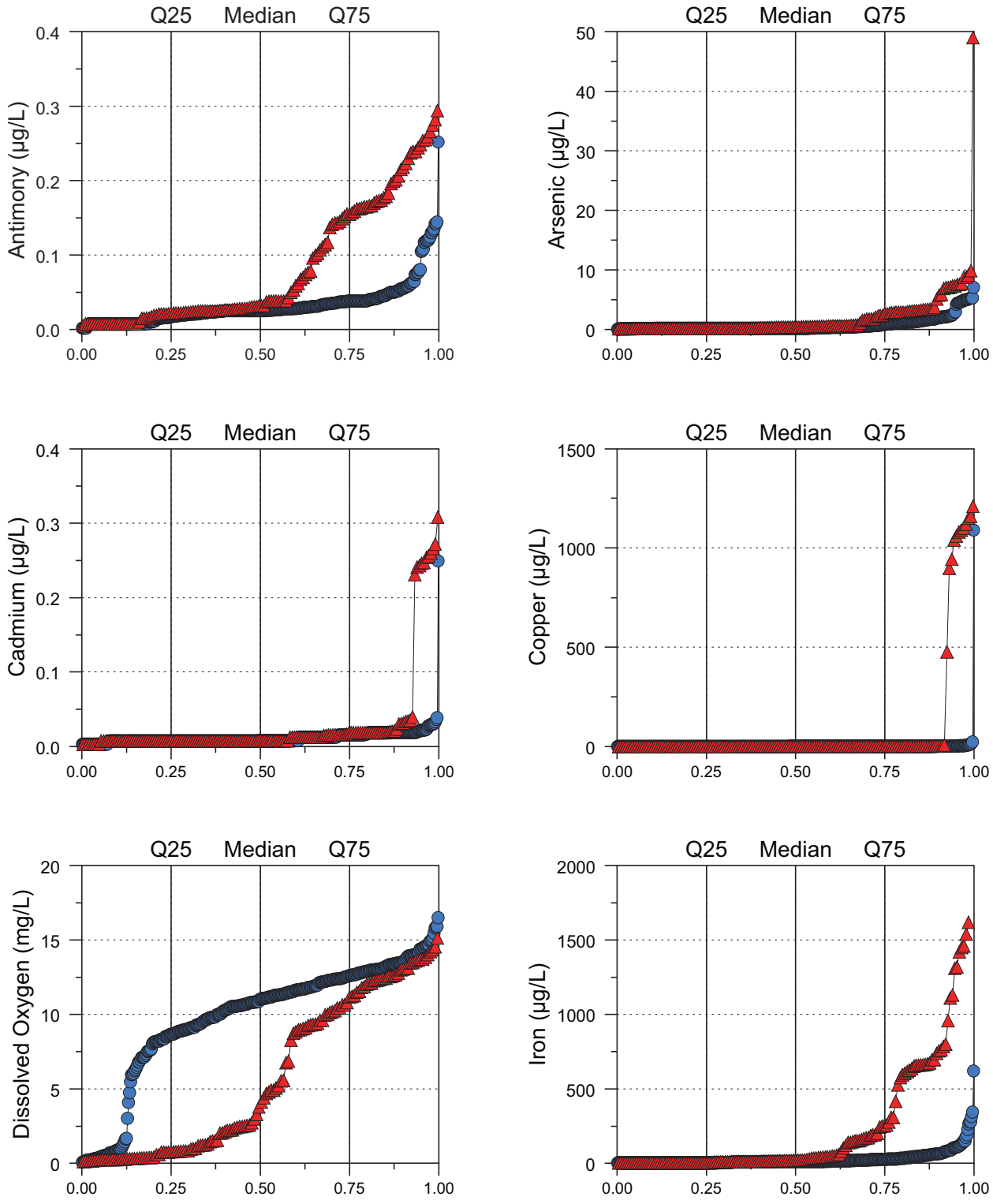
- MW-1
- P-06-37
- SRK5
- P-06-38
- MW-5
- MW-7
- MW-8
- MW-11
- MW-12
- MW-13
- MW-14

Notes:
1. Data plotted are medians of years 2004-2008.
2. Example of monitoring well identification label: MW-5
3. mg/L=milligrams per liter

THE pebble PARTNERSHIP

Figure 9.2-11
Total Dissolved Solids and Dissolved Oxygen Concentrations vs Depth in Groundwater at Individual Monitoring Well Locations, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Legend

- Groundwater in Overburden
- Groundwater in Bedrock

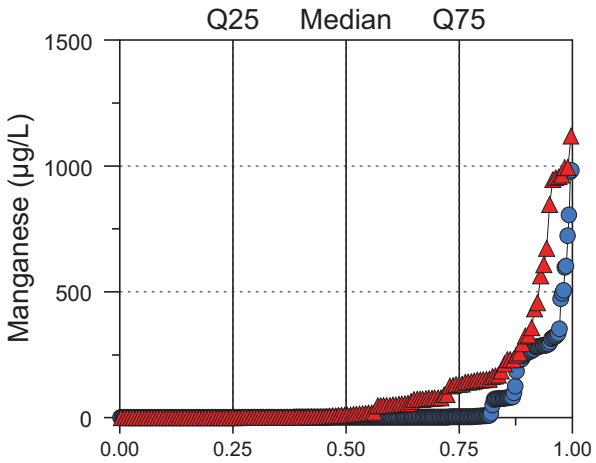
Notes:

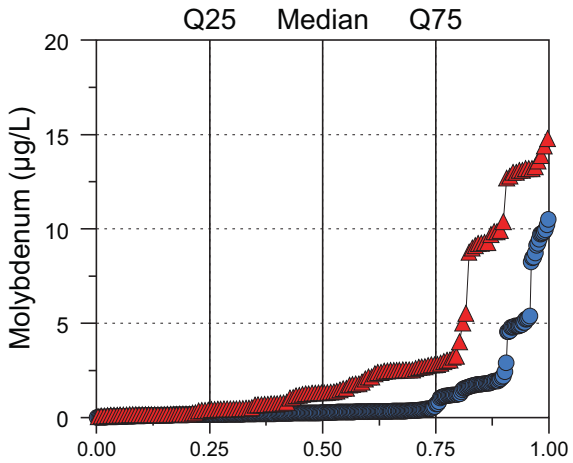
1. Data plotted are individual sample results for all wells, years 2004-2008.
2. Q25=25th percentile of concentration, Q75=75th percentile of concentration.
3. mg/L=milligrams per liter
   ug/L=micrograms per liter

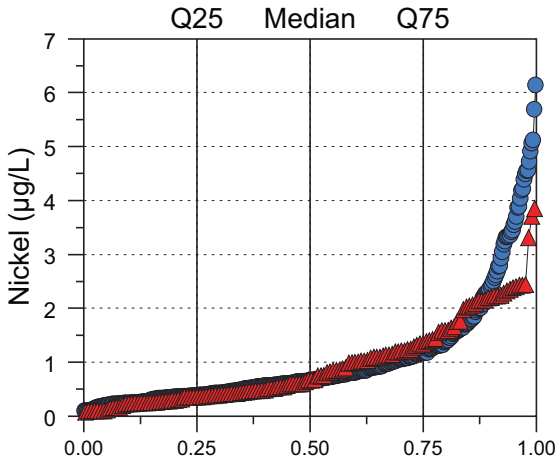
THE pebble PARTNERSHIP

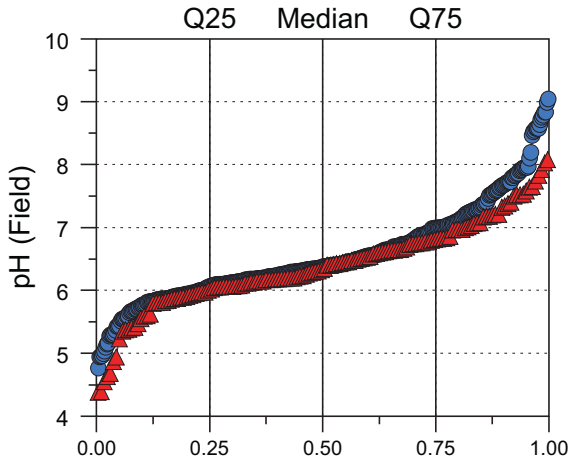
Figure 9.2-12a
Statistical Distribution of Constituent Concentrations in Groundwater, Mine Study Area, 2004-2008

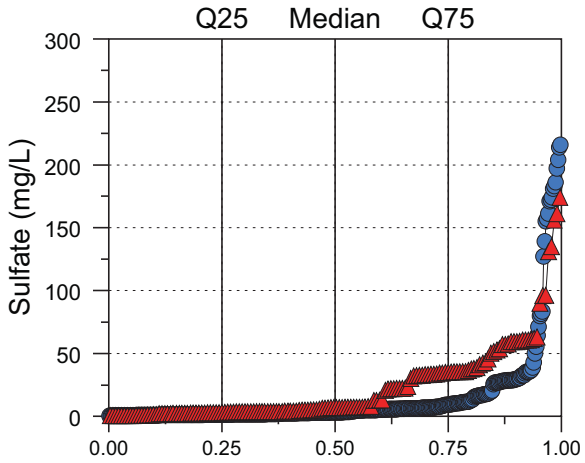
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca











Legend

- Groundwater in Overburden
- Groundwater in Bedrock

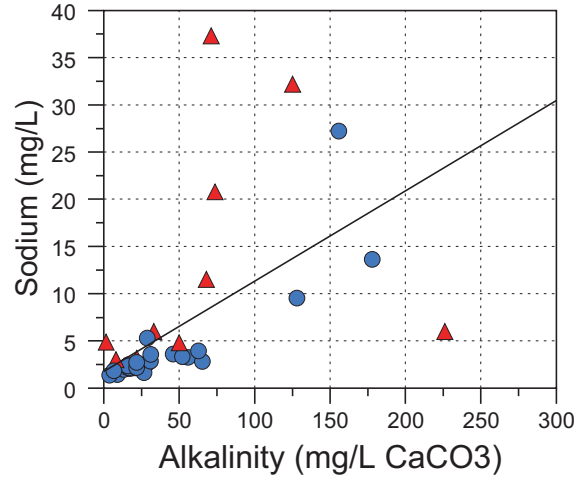
Notes:

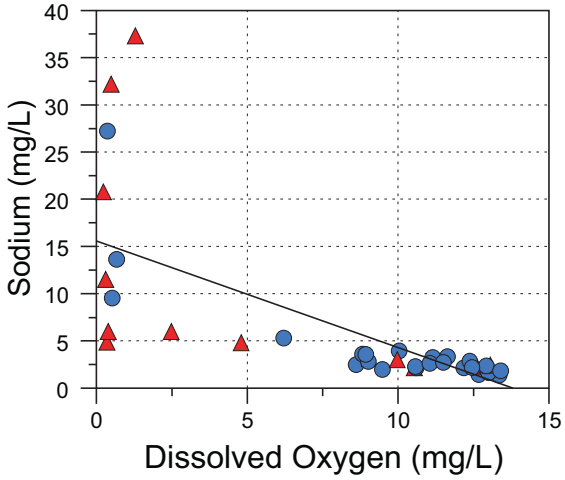
1. Data plotted are individual sample results for all wells, years 2004-2008.
2. Q25=25th percentile of concentration, Q75=75th percentile of concentration.
3. mg/L=milligrams per liter
   ug/L=micrograms per liter

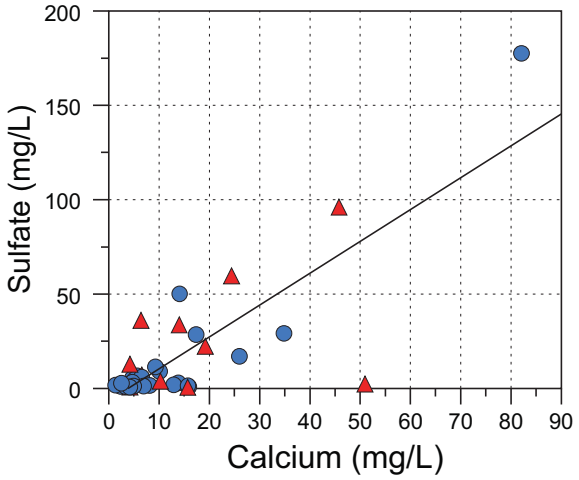
THE pebble PARTNERSHIP

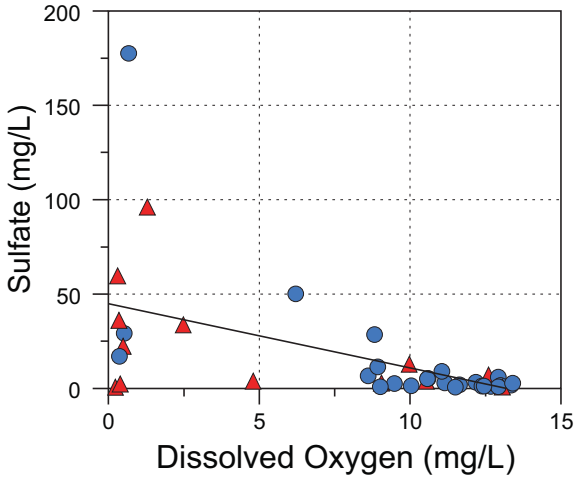
Figure 9.2-12b
Statistical Distribution of Constituent Concentrations in Groundwater, Mine Study Area, 2004-2008

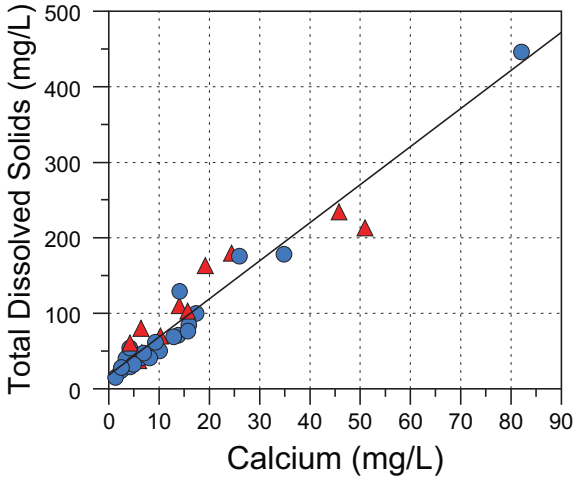
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

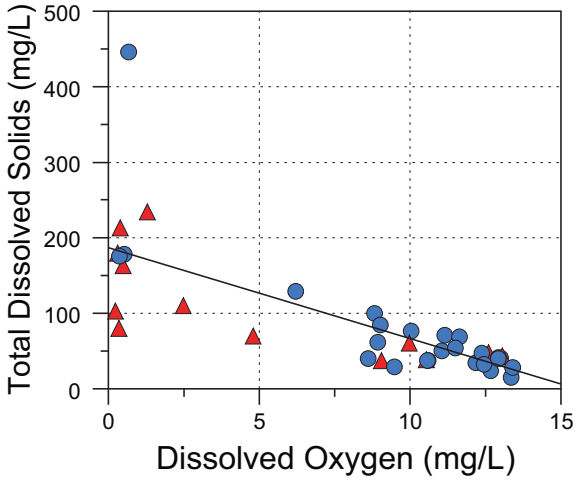












Legend

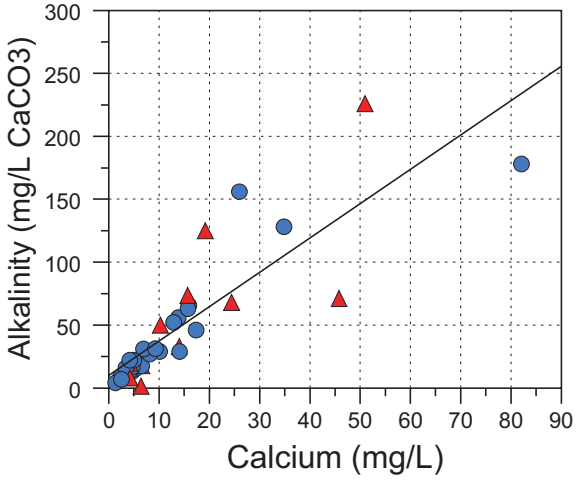
- Groundwater in Overburden
- Groundwater in Bedrock

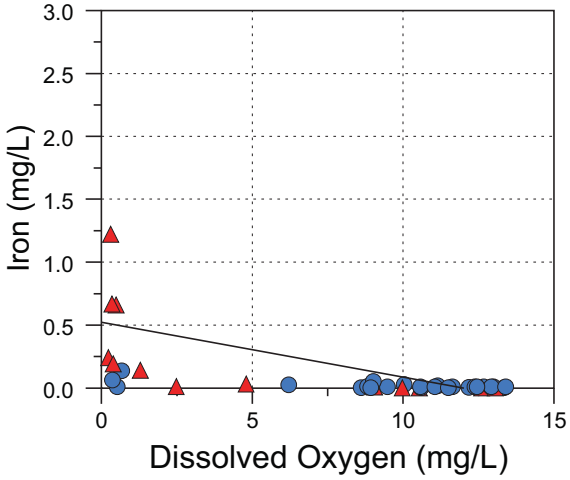
Notes:
1. Each data point represents the median concentration for years 2004-2008.
2. mg/L=milligrams per liter

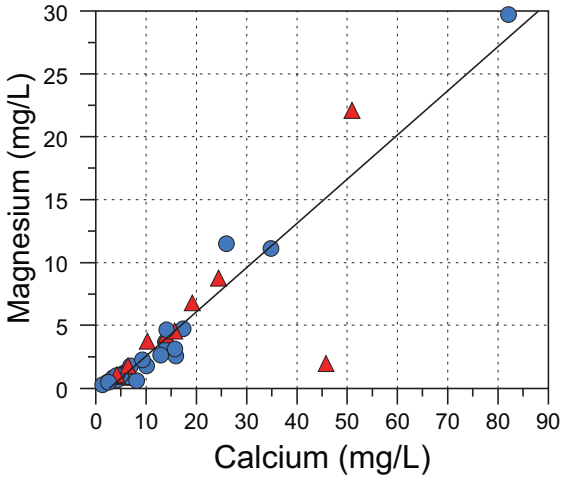
THE pebble PARTNERSHIP

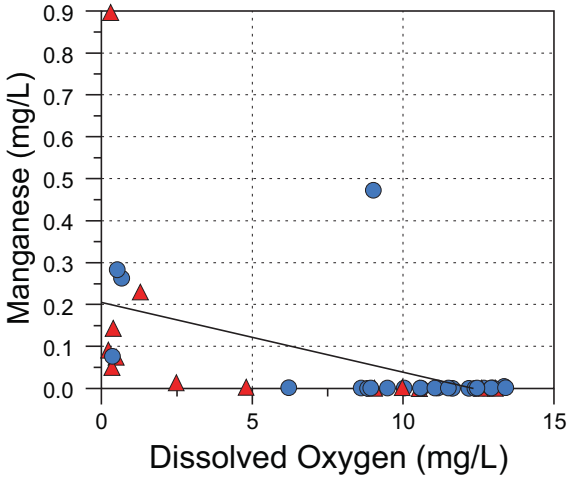
Figure 9.2-13a
Correlation Plots of Median Concentrations for Shallow Groundwater Samples, Mine Study Area, 2004-2008

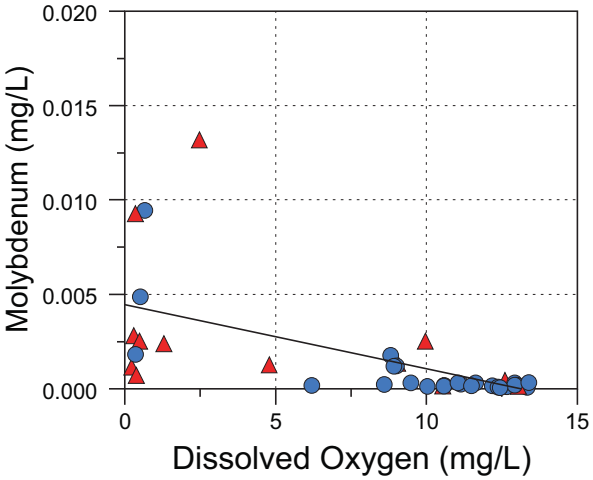
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

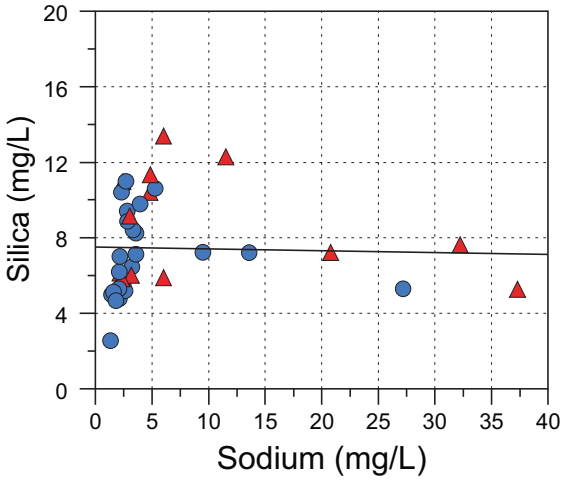












Legend

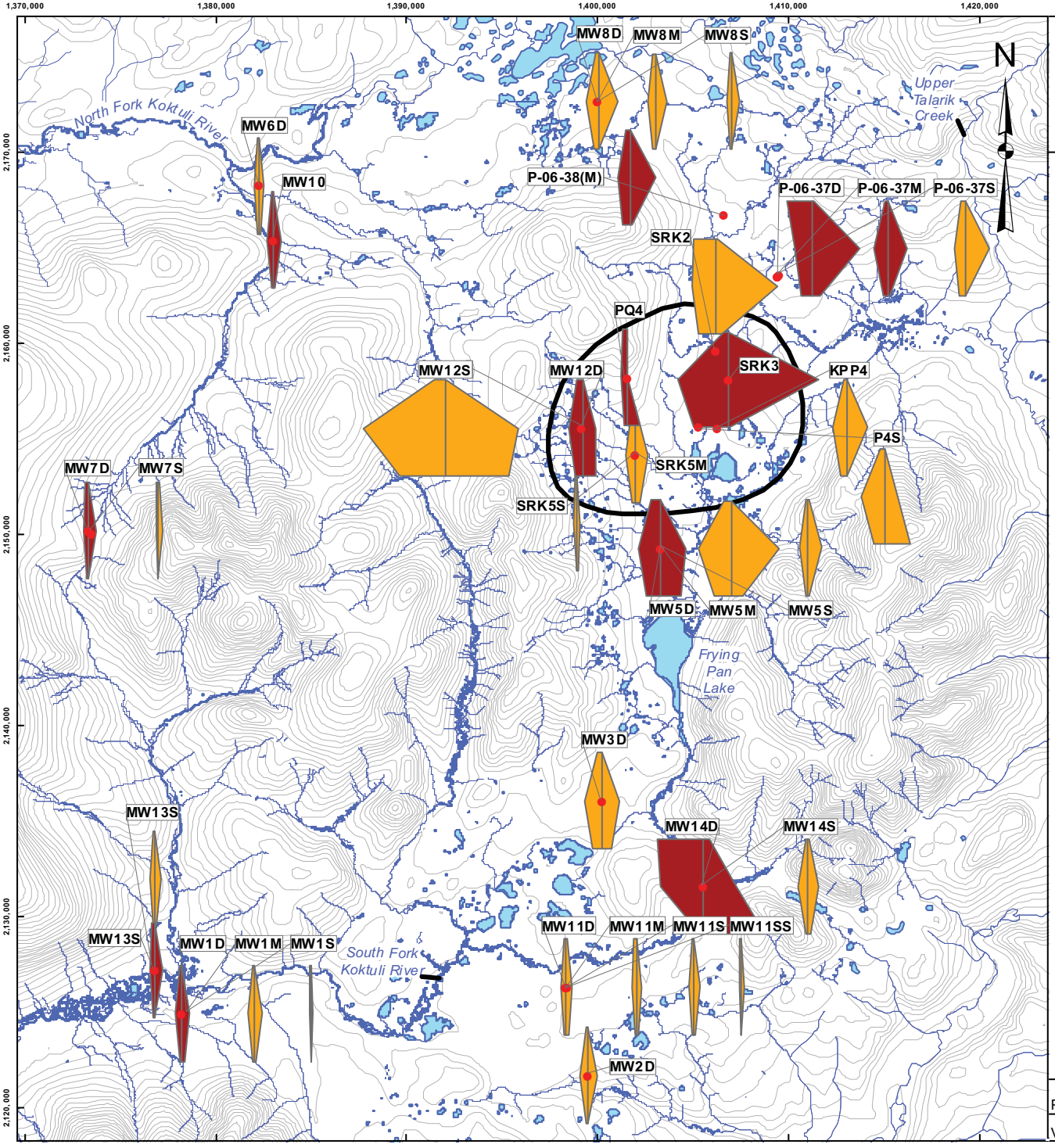
- Groundwater in Overburden
- Groundwater in Bedrock

Notes:
1. Each data point represents the median concentration for years 2004-2008.
2. mg/L=milligrams per liter

THE pebble PARTNERSHIP

Figure 9.2-13b
Correlation Plots of Median Concentrations for Shallow Groundwater Samples, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



PN: 7-126 TN: 4281

THE pebble PARTNERSHIP

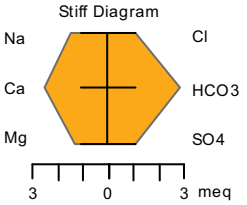
Figure 9.2-14
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in October, 2008, Mines Study Area, 2004-2008

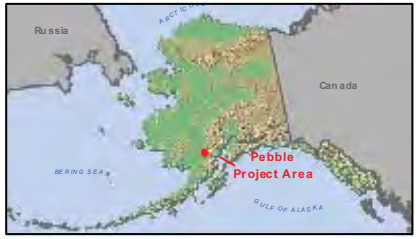
Legend

- Monitoring Well
- October 2008 Groundwater - Bedrock
- October 2008 Groundwater - Overburden
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram





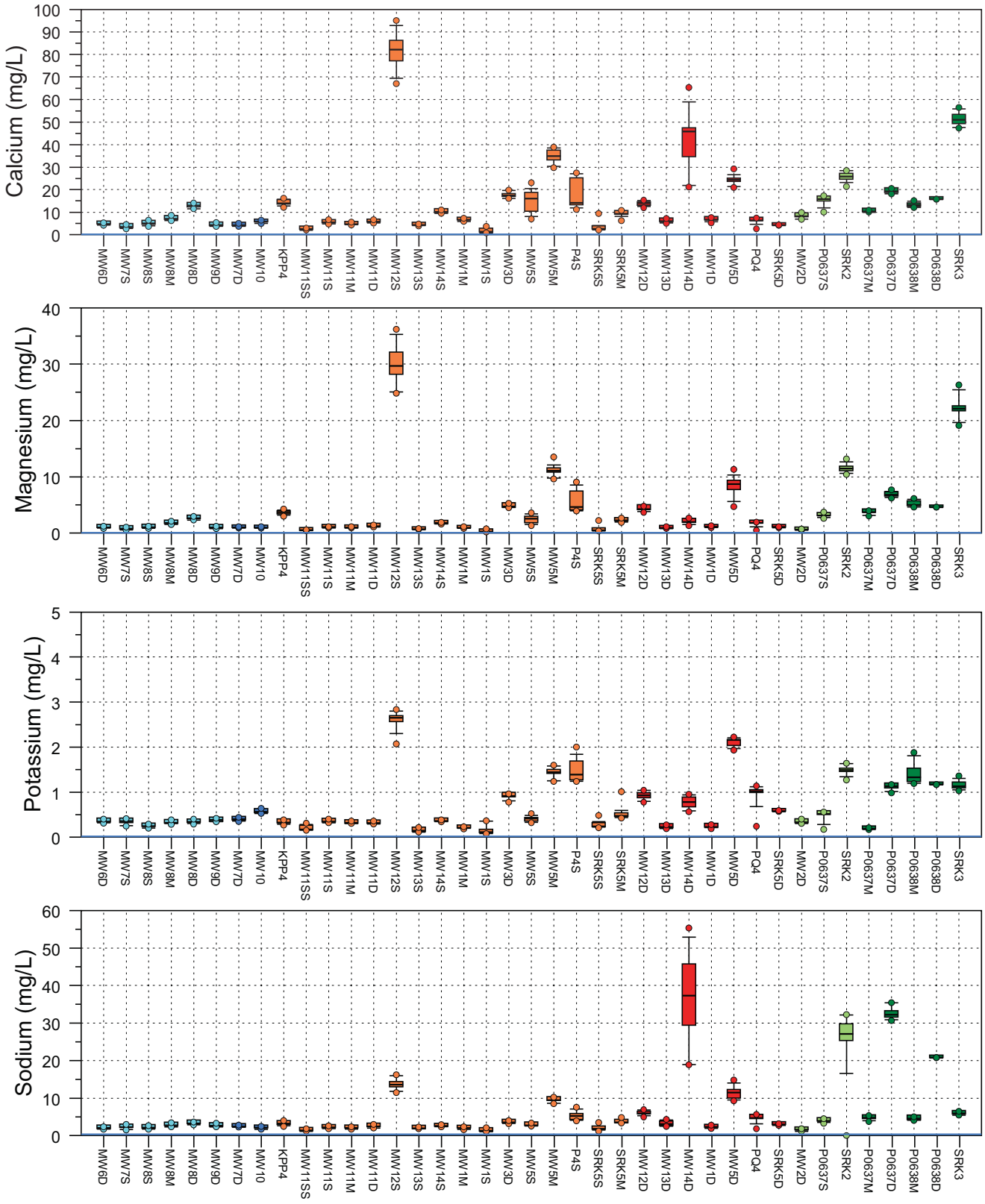
Feet
0 4,000 8,000 12,000 16,000

Miles
0 0.75 1.5 2.25 3

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 7, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK-Overburden
NFK-Bedrock
SFK-Overburden
SFK-Bedrock
UT-Overburden
UT-Bedrock

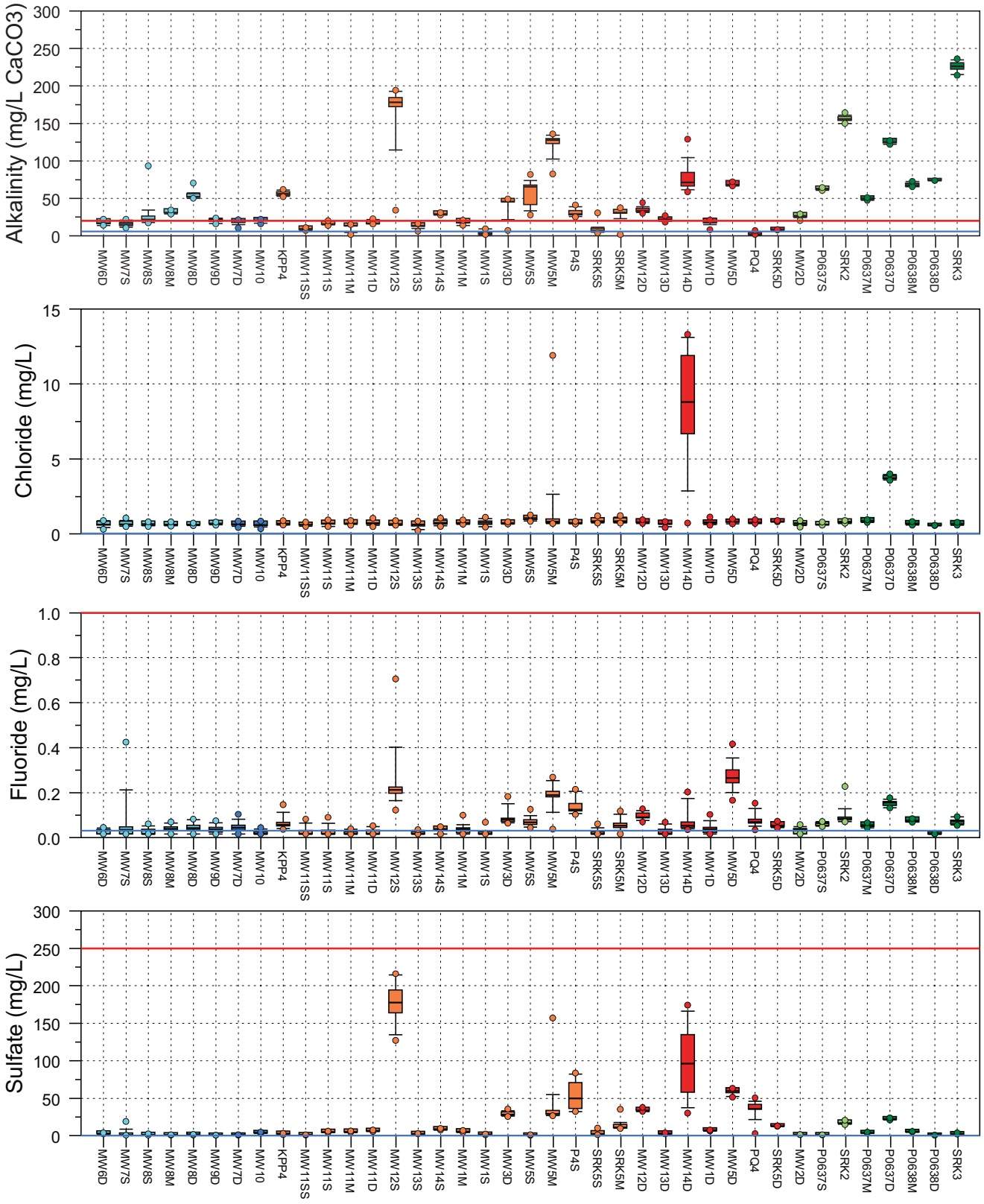
95 Percentile Method Detection Limit

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. mg/L=milligrams per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

THE pebble PARTNERSHIP

Figure 9.2-15
Box and Whisker Plots of Dissolved Major Cations in Groundwater, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK-Overburden
NFK-Bedrock
SFK-Overburden
SFK-Bedrock
UT-Overburden
UT-Bedrock

95 Percentile Method Detection Limit
Water Quality Criterion

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. mg/L=milligrams per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

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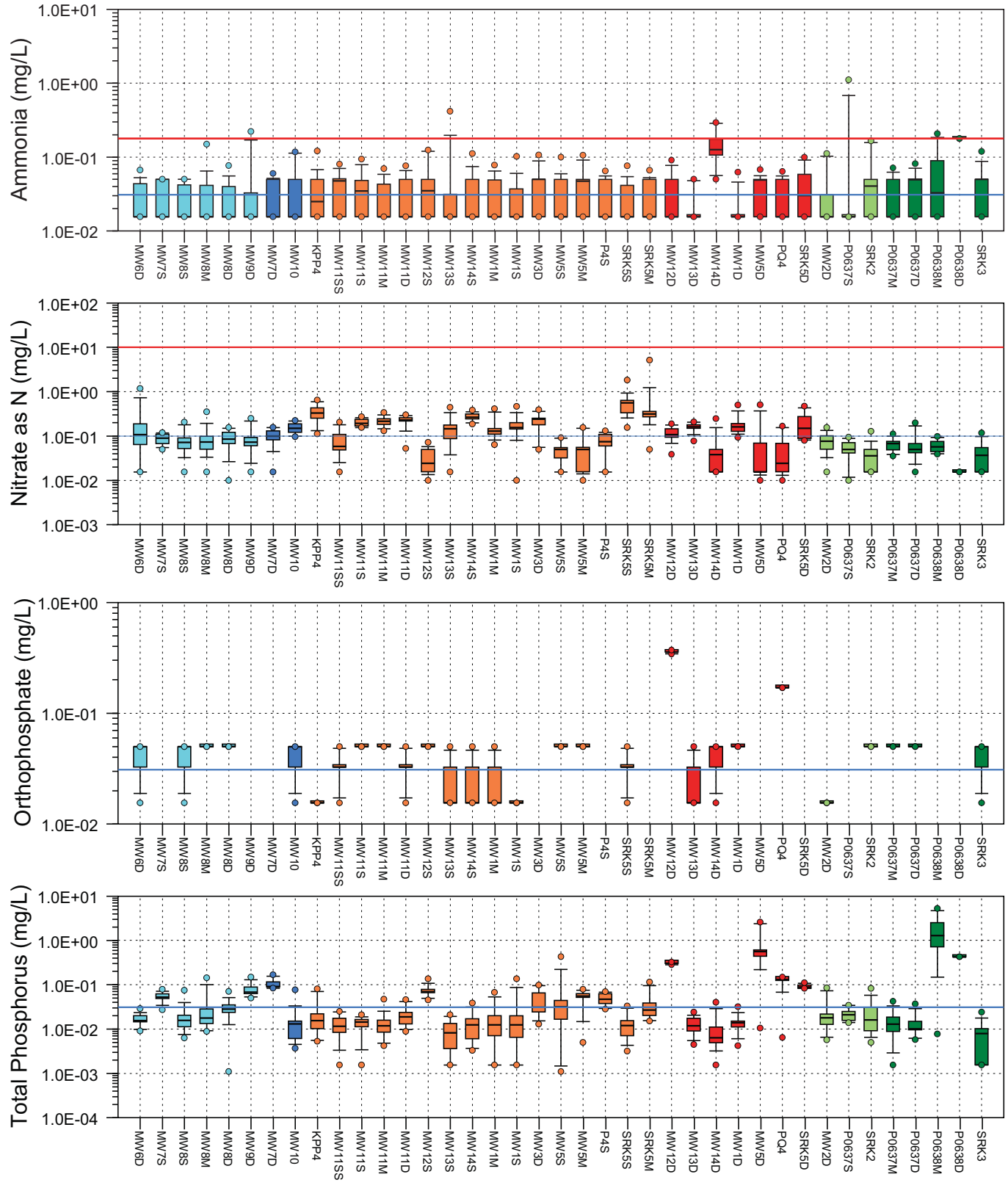
Figure 9.2-16
Box and Whisker Plots of
Major Anions in Groundwater,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK-Overburden
NFK-Bedrock
SFK-Overburden
SFK-Bedrock
UT-Overburden
UT-Bedrock

Water Quality Criterion

95 Percentile Method Detection Limit

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. mg/L=milligrams per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

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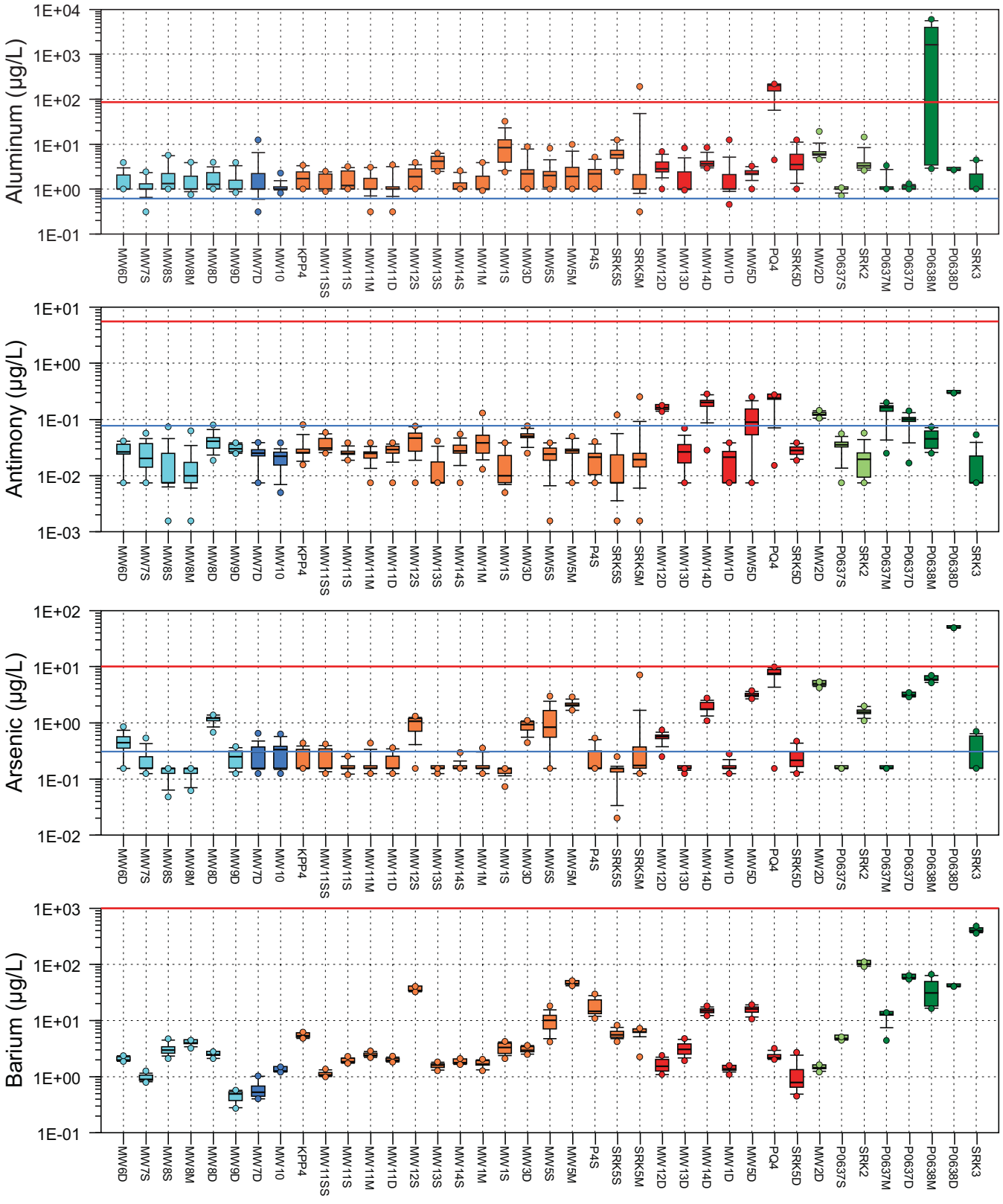
Figure 9.2-17
Box and Whisker Plots of Nitrogen and Phosphorous in Groundwater, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK-Overburden
NFK-Bedrock
SFK-Overburden
SFK-Bedrock
UT-Overburden
UT-Bedrock

Water Quality Criterion

95 Percentile Method Detection Limit

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. ug/L=micrograms per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

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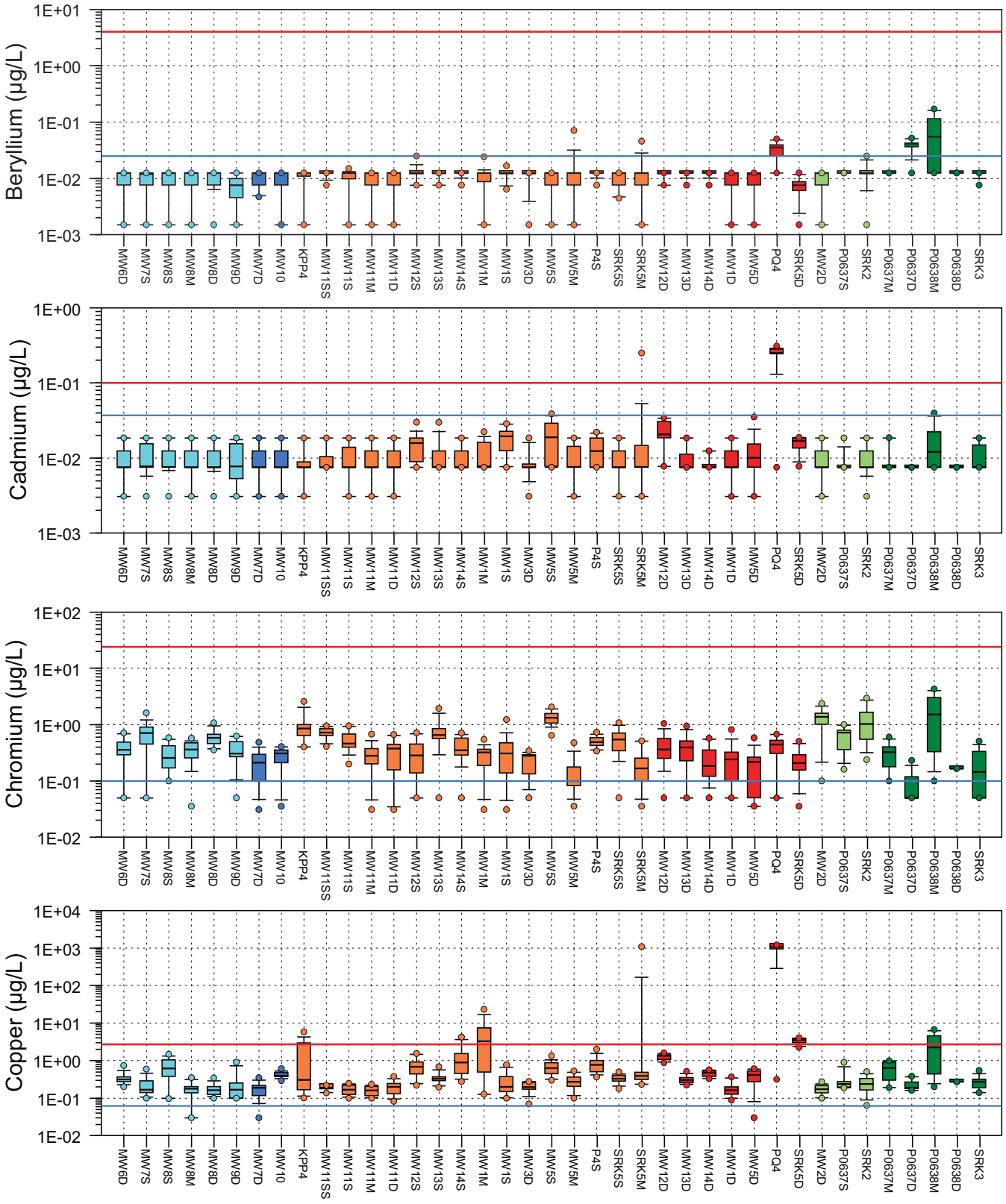
Figure 9.2-18
Box and Whisker Plots of Dissolved Metals
Aluminum, Antimony, Arsenic and Barium
in Groundwater,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK-Overburden
NFK-Bedrock
SFK-Overburden
SFK-Bedrock
UT-Overburden
UT-Bedrock

Water Quality Criterion
95 Percentile Method Detection Limit

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. ug/L=micrograms per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

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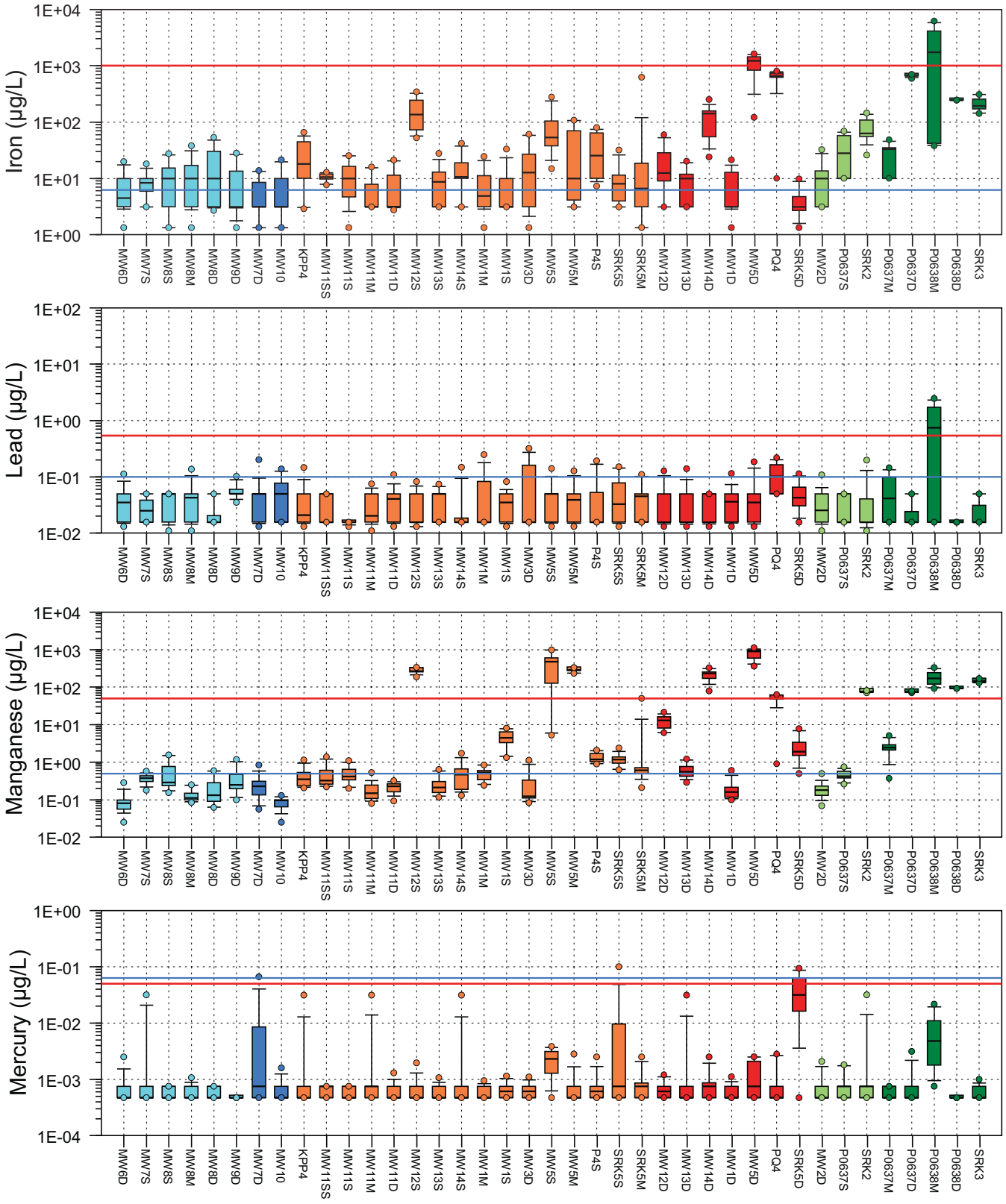
Figure 9.2-19
Box and Whisker Plots of Dissolved Metals
Beryllium, Cadmium, Chromium and Copper
in Groundwater,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

- NFK-Overburden
- NFK-Bedrock
- SFK-Overburden
- SFK-Bedrock
- UT-Overburden
- UT-Bedrock

Water Quality Criterion

95 Percentile Method Detection Limit

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. ug/L=micrograms per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

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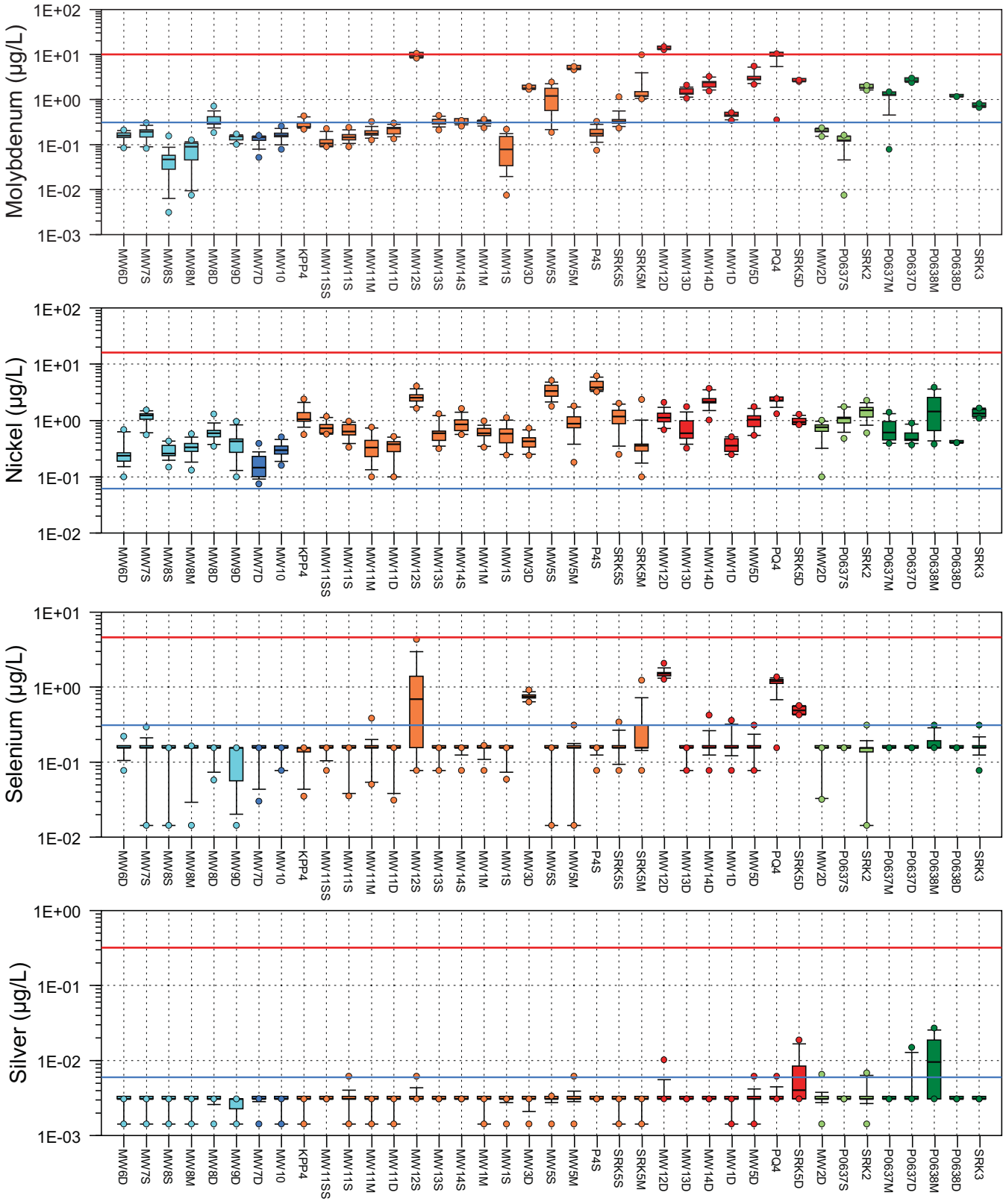
Figure 9.2-20
Box and Whisker Plots of Dissolved Metals
Iron, Lead, Manganese and Mercury
in Groundwater,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK-Overburden
NFK-Bedrock
SFK-Overburden
SFK-Bedrock
UT-Overburden
UT-Bedrock

Water Quality Criterion
95 Percentile Method Detection Limit

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. ug/L=micrograms per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

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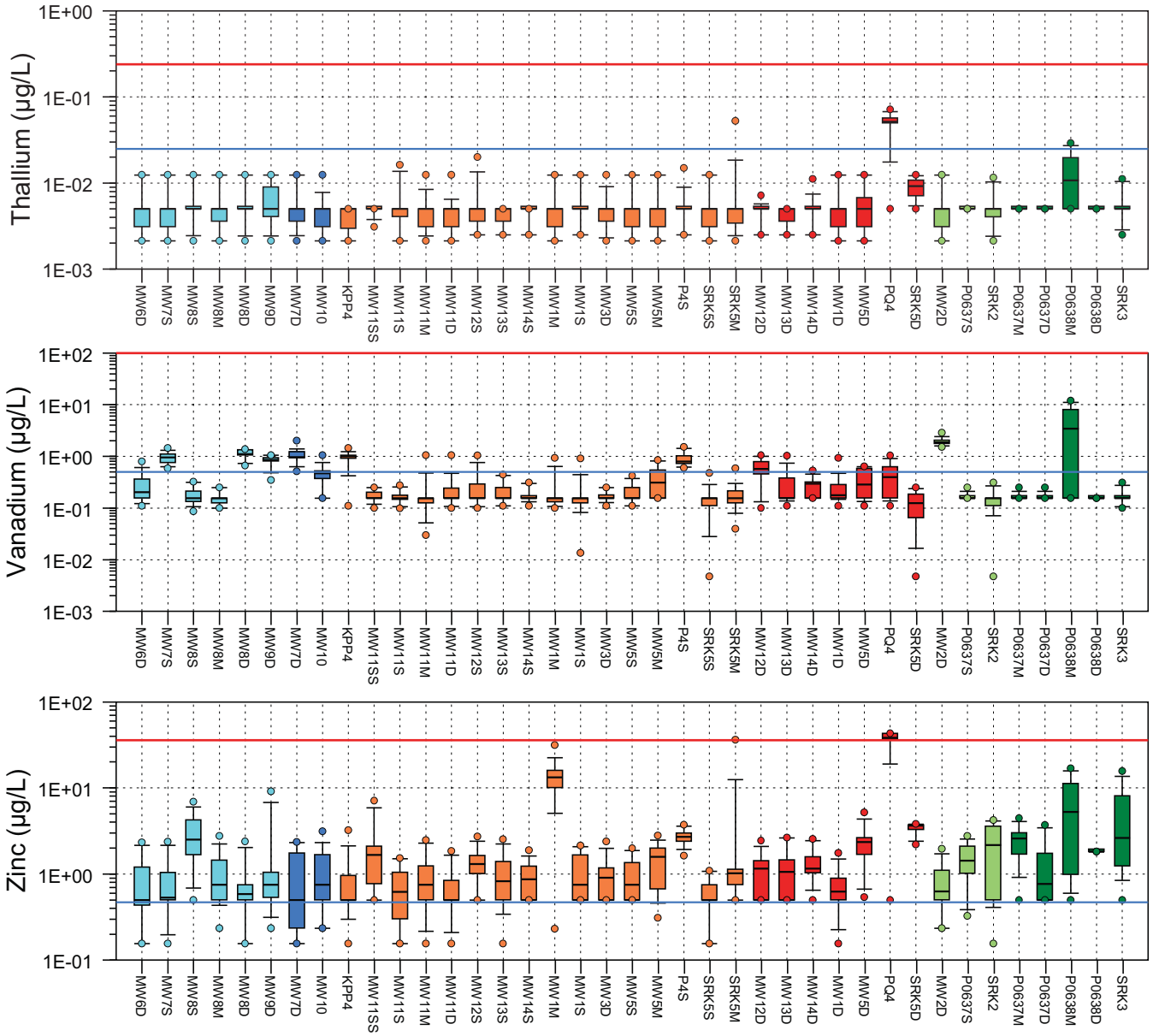
Figure 9.2-21
Box and Whisker Plots of Dissolved Metals
Molybdenum, Nickel, Selenium and Silver
in Groundwater,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Watershed and Geology of Wells

- Max.
- 95th Percentile
- 75th Percentile
- Median
- 25th Percentile
- 5th Percentile
- Min.

NFK-Overburden
NFK-Bedrock
SFK-Overburden
SFK-Bedrock
UT-Overburden
UT-Bedrock

Water Quality Criterion
95 Percentile Method Detection Limit

Notes:
1. Data plotted are from individual wells for years 2004-2008.
2. ug/L=micrograms per liter
3. NFK = North Fork Kotuli Watershed
SFK = South Fork Kotuli Watershed
UT = Upper Talanik Watershed

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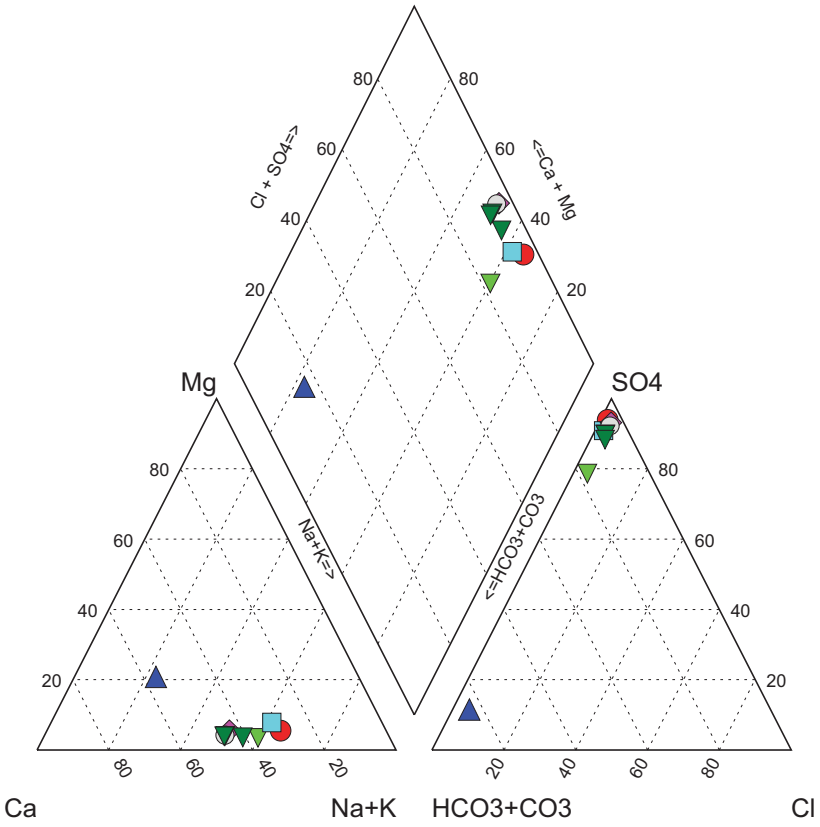
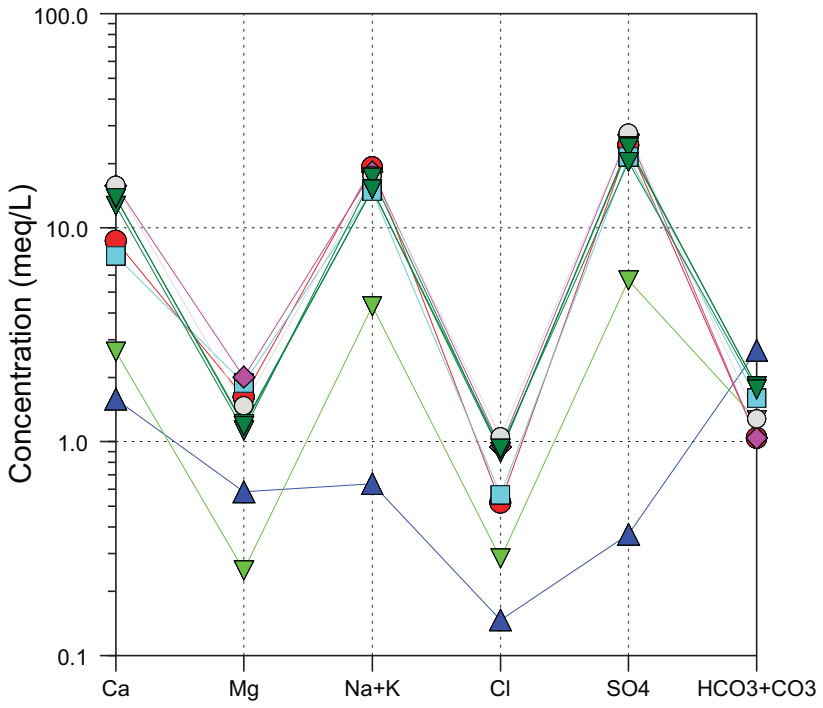
Figure 9.2-22
Box and Whisker Plots of Dissolved Metals
Thallium, Vanadium and Zinc
in Groundwater,
Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca





Sampling Depth (ft)

- 640-950
- 950-1470
- 1900-2350
- 2356-2900
- 2900-3300
- 3300-3700
- 3700-4050

Notes:
1. Data plotted are individual samples from a single sampling event.
2. The axes of the Piper Plot indicate percentage of total millequivalents of ions.
3. meq/L=milliequivalents per litre

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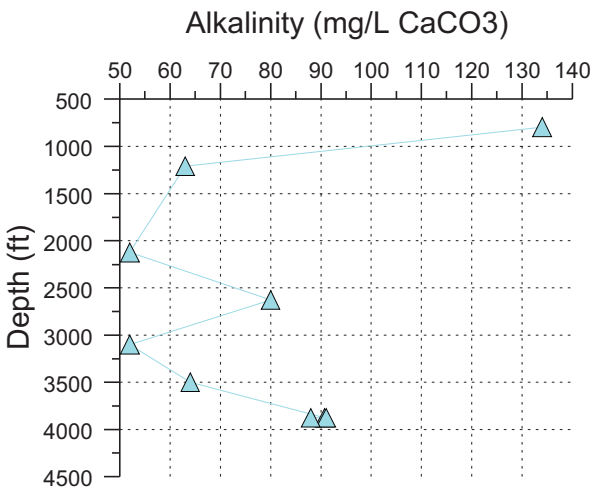
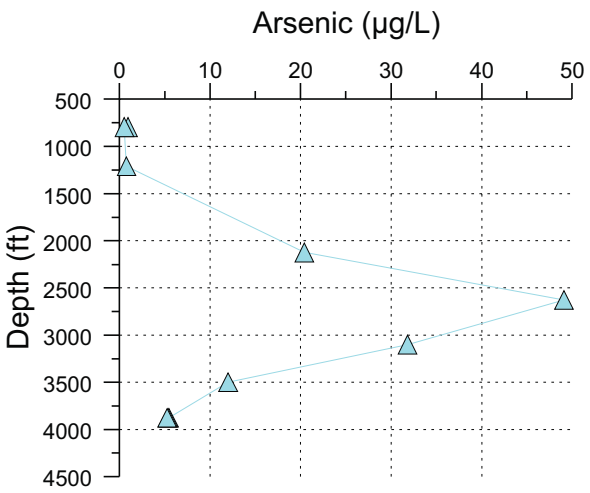
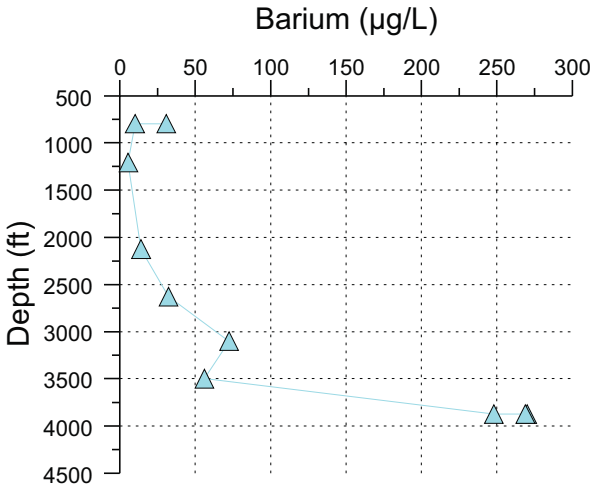
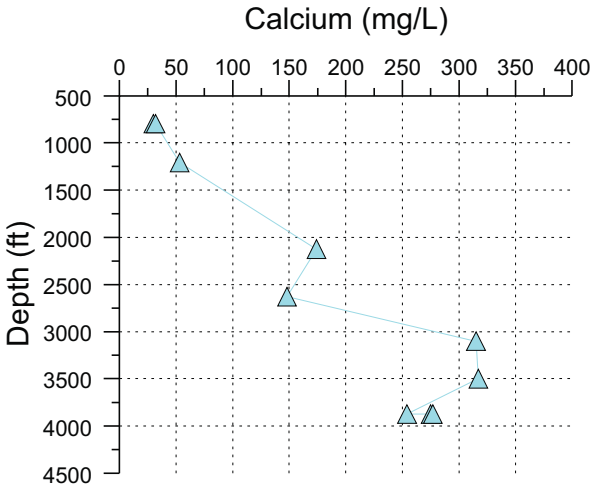
Figure 9.2-23
Composition and Concentration of Major Ions of Groundwater at Deep Sampling Location Drill Hole DH-8417, Mine Study Area, 2004-2008

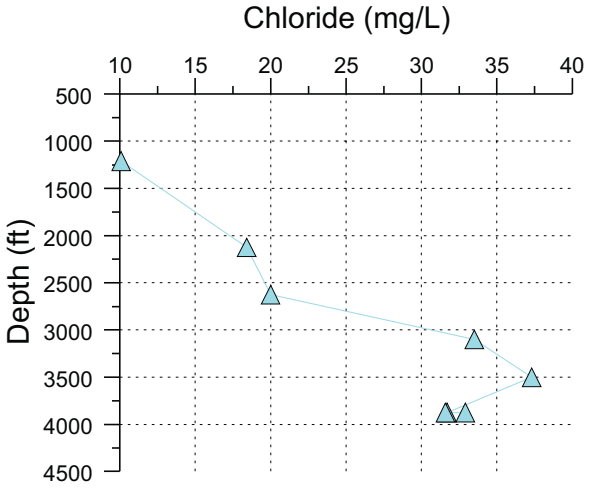
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

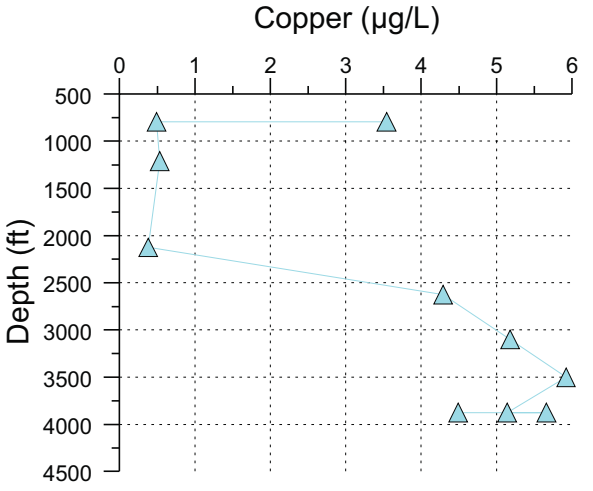












Notes:
1. Data plotted are individual samples from a single sampling event.
2. mg/L=milligrams per liter
ug/L=micrograms per liter

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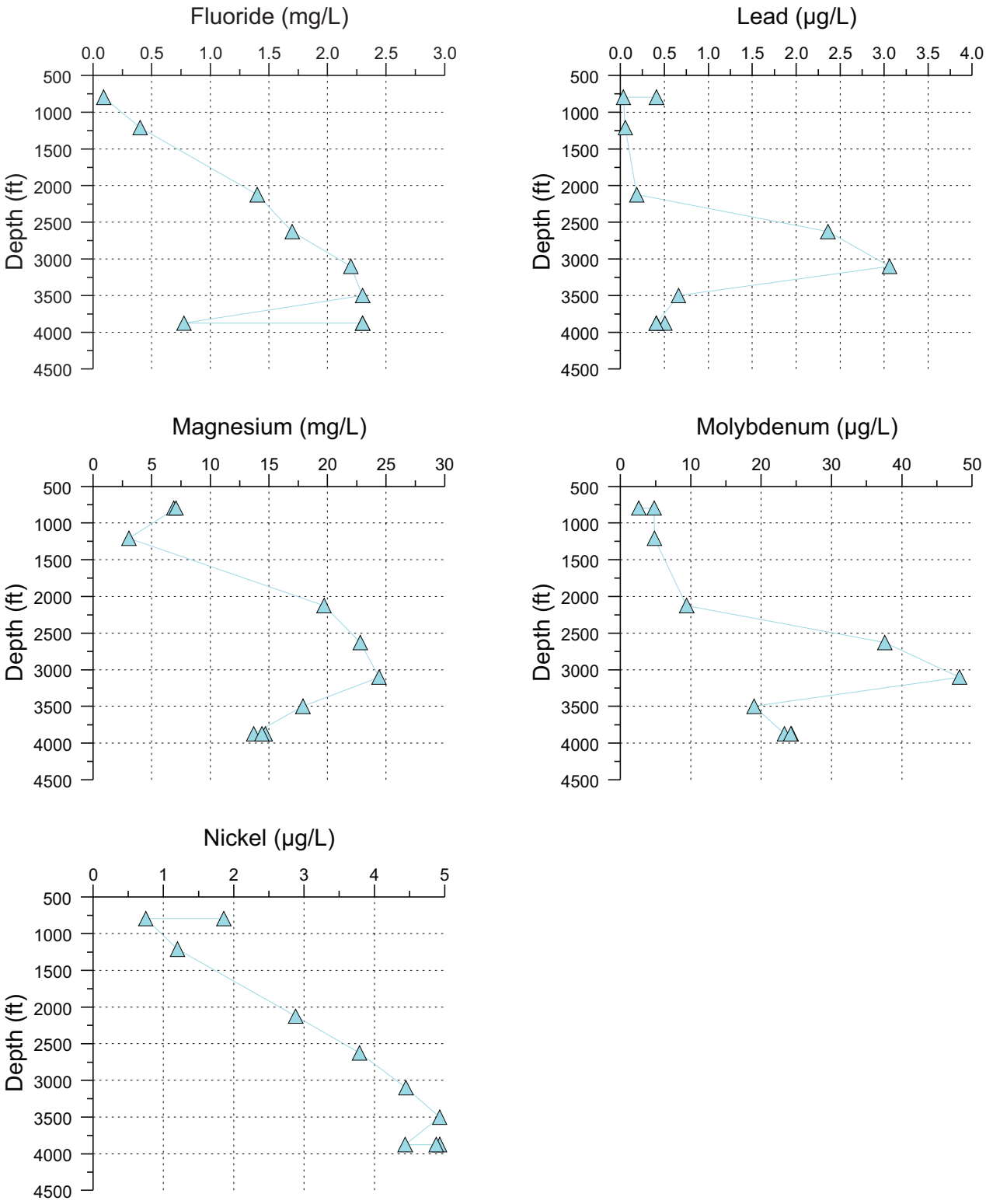
Figure 9.2-24a
Concentration versus Depth for Alkalinity, As, Ba, Ca, Cl and Cu in Groundwater from Drill Hole DH-8417, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. Data plotted are individual samples from a single sampling event.
2. mg/L=milligrams per liter
ug/L=micrograms per liter

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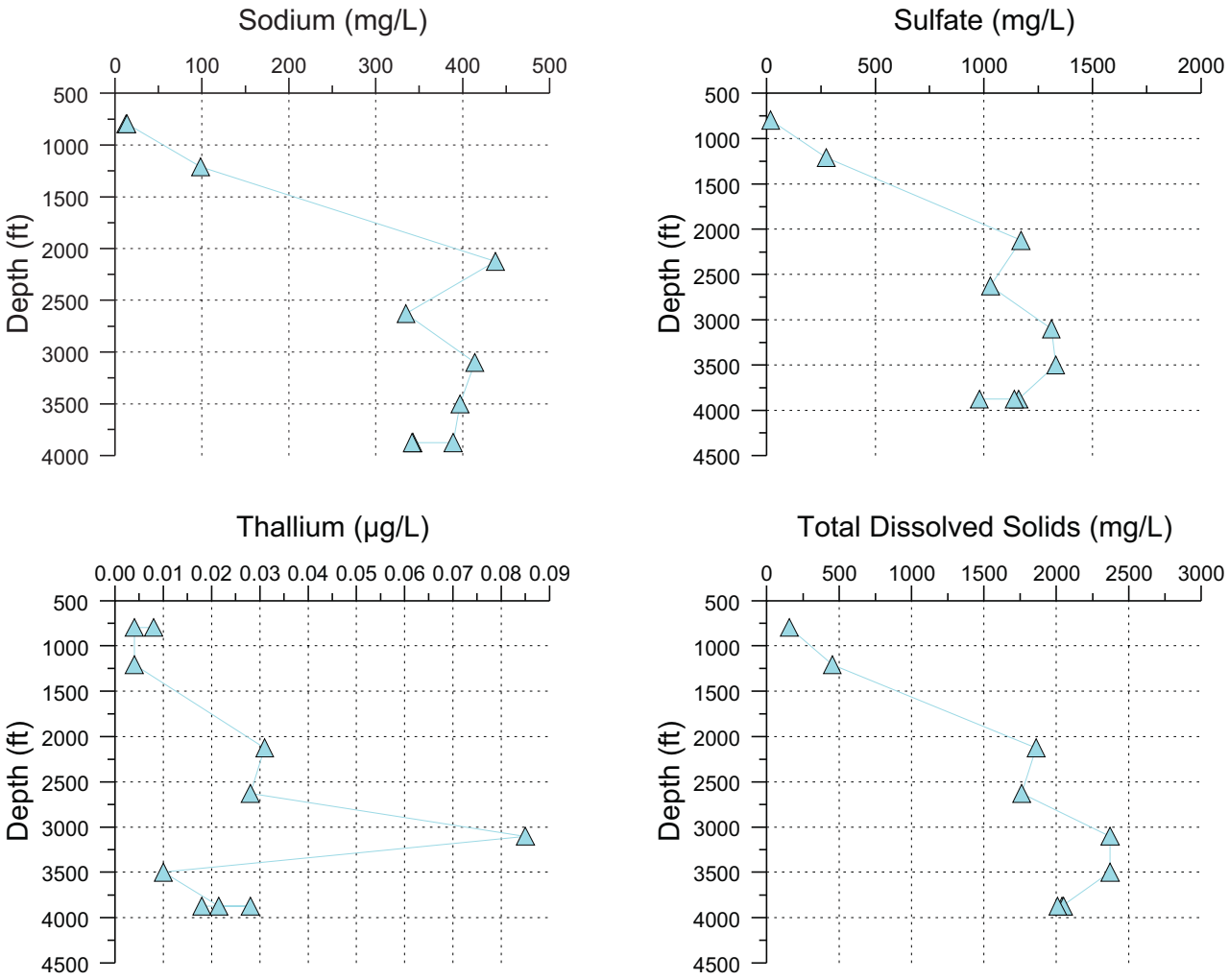
Figure 9.2-24b
Concentration versus Depth for F, Pb, Mg, Mo and Ni in Deep Groundwater from Drill Hole DH-8417, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. Data plotted are individual samples from a single sampling event.
2. mg/L=milligrams per liter
ug/L=micrograms per liter

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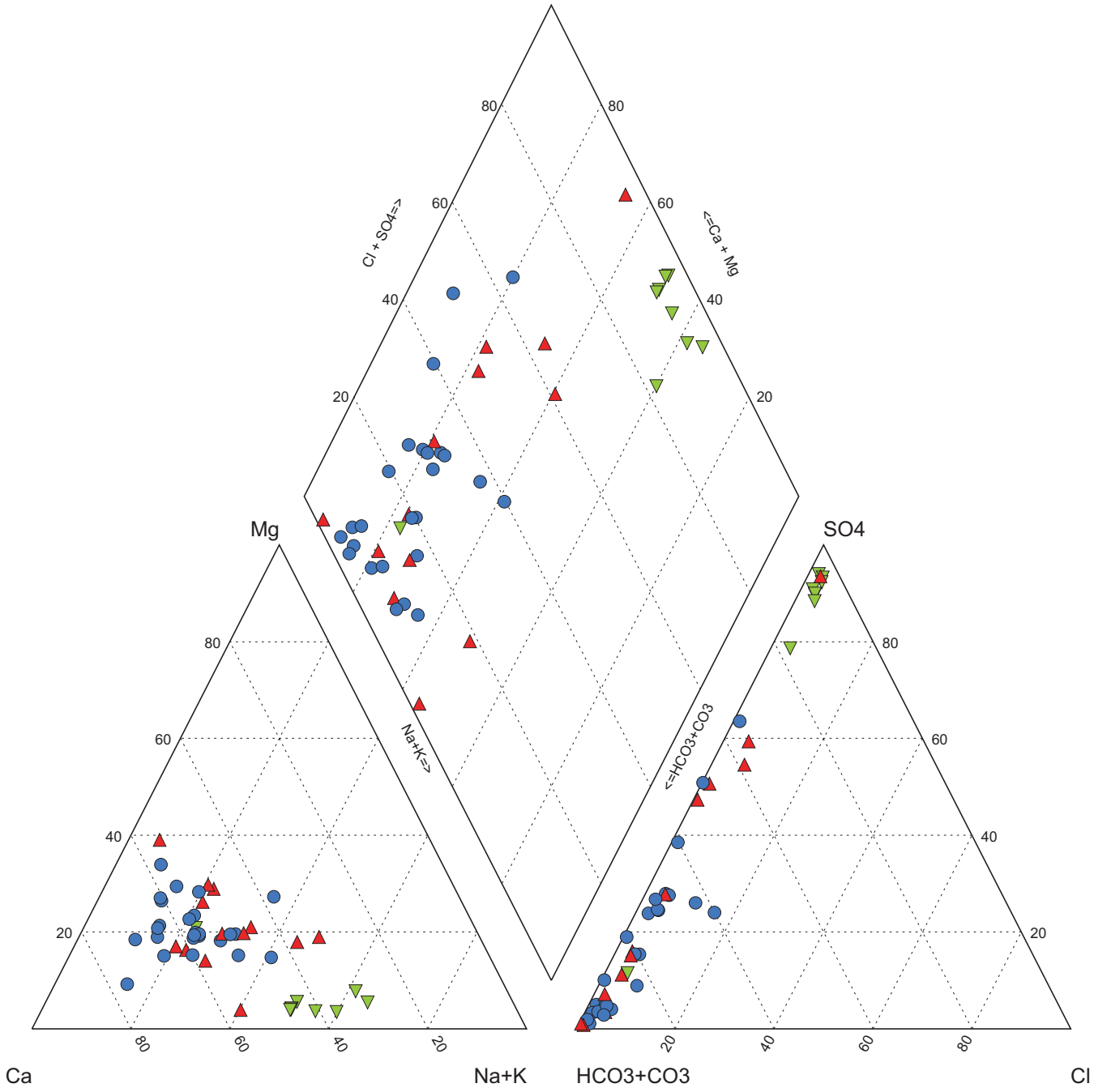
Figure 9.2-24c
Concentration versus Depth for Na, SO4, Tl and TDS in Deep Groundwater from Drill Hole DH-8417, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Legend

- Groundwater in Overburden
- Groundwater in Shallow Bedrock
- Groundwater in Deep Bedrock (DH-8417)

Notes:
1. For shallow groundwater samples, each point represents the median concentration for the years 2004-2008. For deep groundwater samples, each point represents a single sampling event.
2. The axes of the Piper Plot indicate percentage of total milliequivalents of ions.

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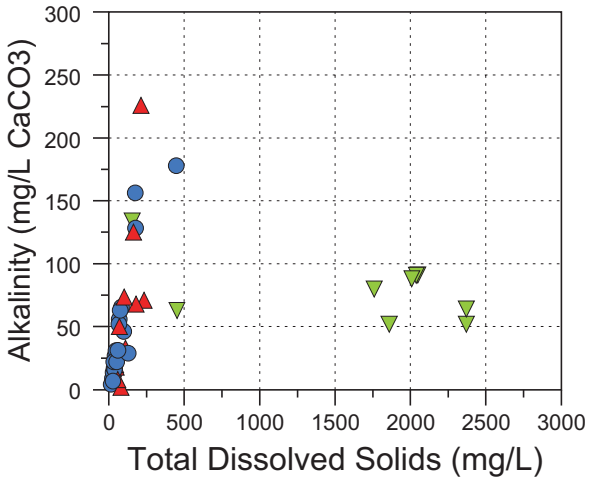
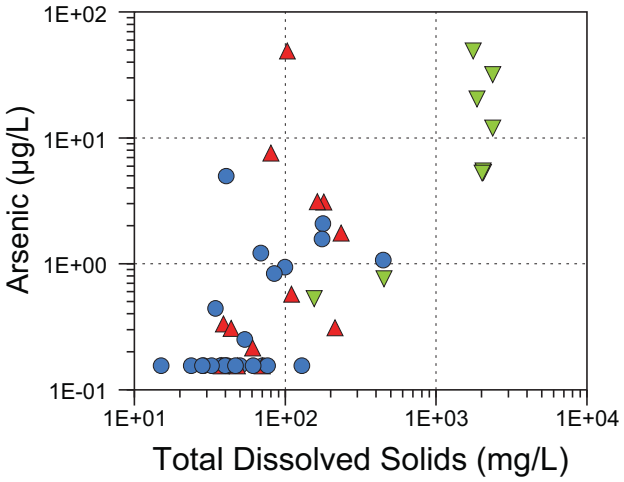
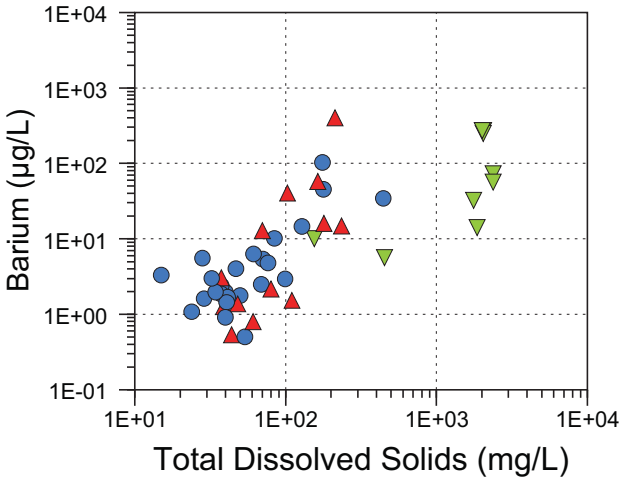
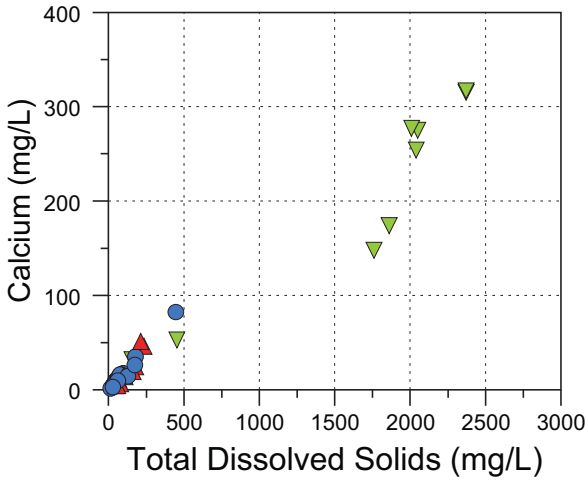
Figure 9.2-25
Piper Plot of Major Ions and Shallow Groundwater Samples, Mine Study Area, 2004-2008

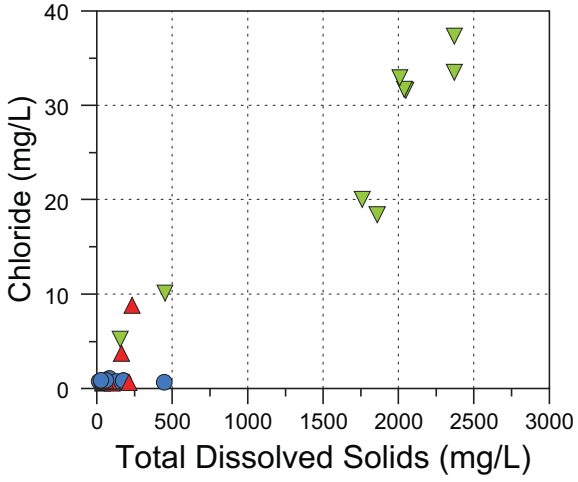
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

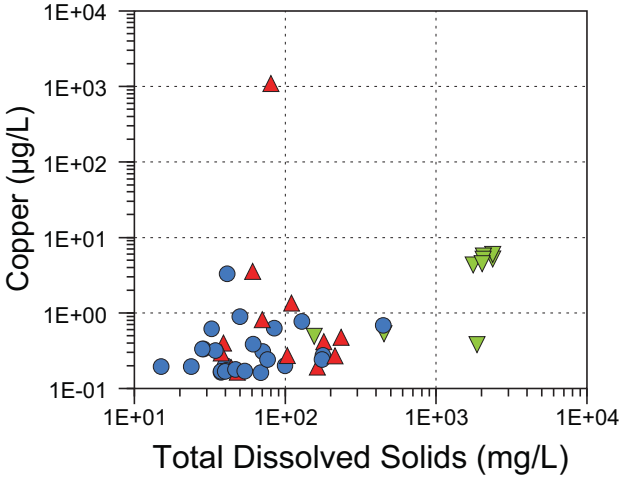












Legend

- Groundwater in Overburden
- Groundwater in Shallow Bedrock
- Groundwater in Deep Bedrock (DH-8417)

Notes:
1. For shallow samples, data plotted are medians of concentrations for years 2004-2008. For deep samples, data plotted are individual samples from a single sampling event.
2. mg/L=milligrams per liter
ug/L=micrograms per liter

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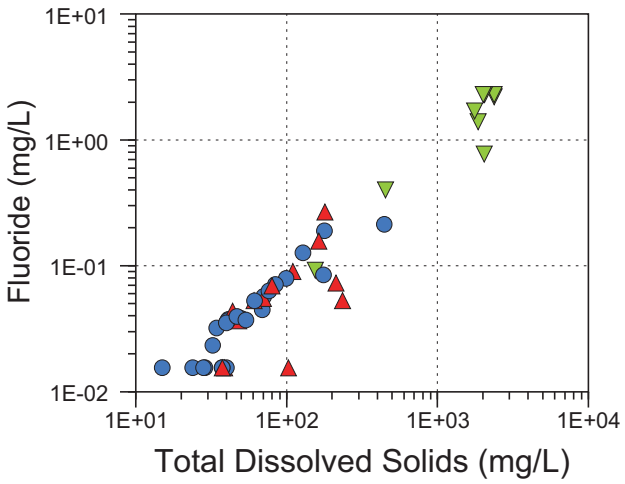
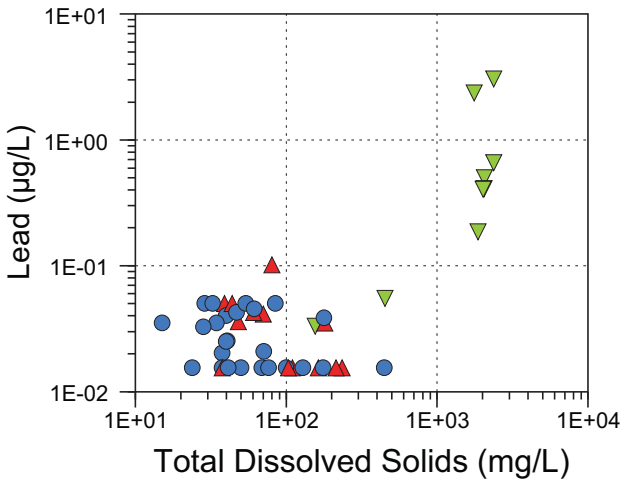
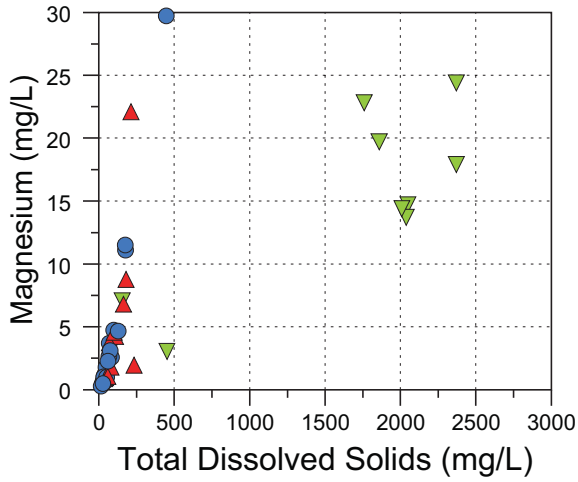
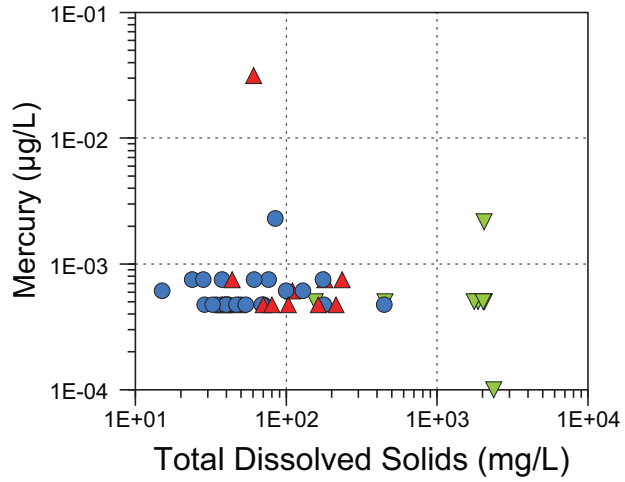
Figure 9.2-26a
Correlation Plots of Median Concentrations for Deep and Shallow Groundwater Samples, Mine Study Area, 2004-2008

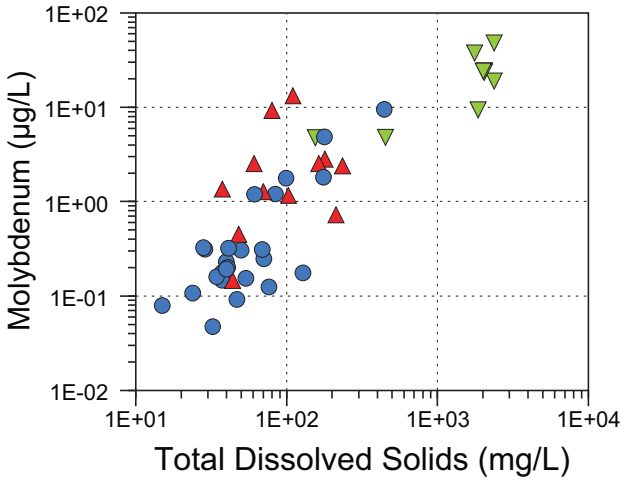
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

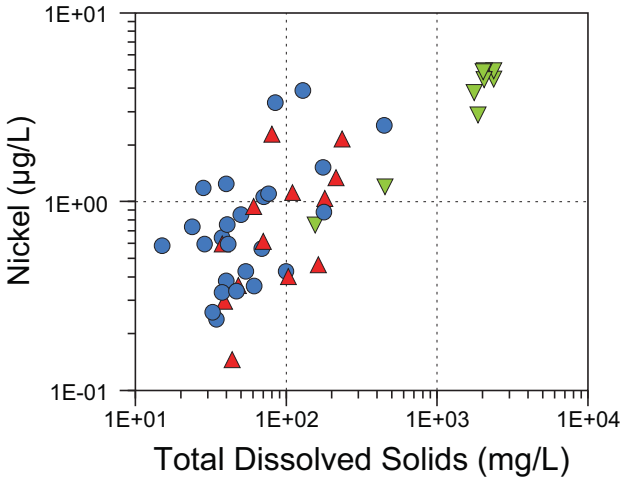












Legend

- Groundwater in Overburden
- Groundwater in Shallow Bedrock
- Groundwater in Deep Bedrock (DH-8417)

Notes:
1. For shallow samples, data plotted are medians of concentrations for years 2004-2008. For deep samples data plotted are individual samples from a single sampling event.
2. mg/L=milligrams per liter
ug/L=micrograms per liter

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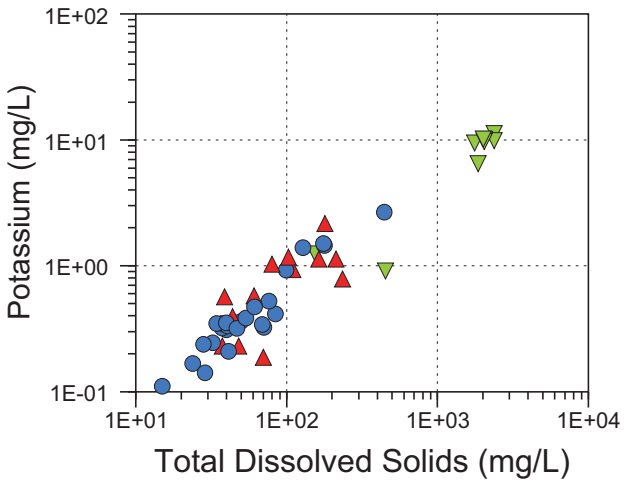
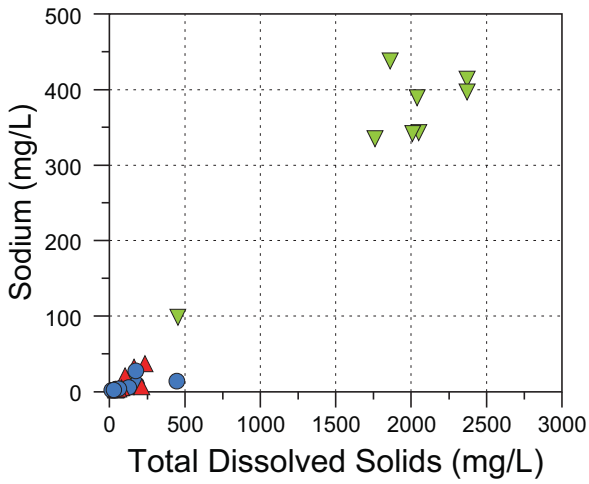
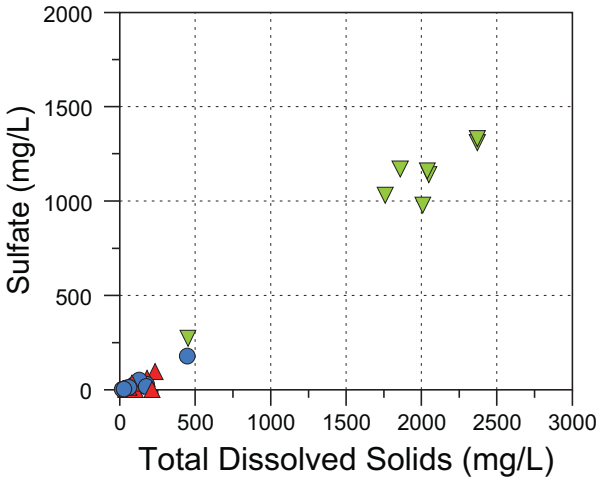
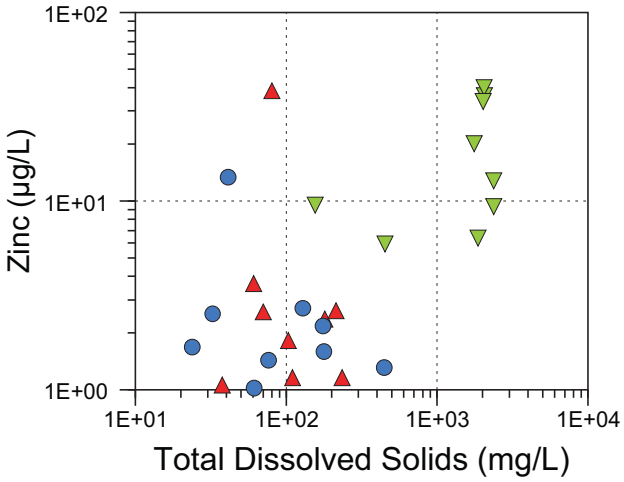
Figure 9.2-26b
Correlation Plots of Median Concentrations for Deep and Shallow Groundwater Samples, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca









Legend

- Groundwater in Overburden
- Groundwater in Shallow Bedrock
- Groundwater in Deep Bedrock (DH-8417)

Notes:
1. For shallow samples, data plotted are medians of concentrations for years 2004-2008. For deep samples data plotted are individual samples from a single sampling event.
2. mg/L=milligrams per liter
ug/L=micrograms per liter

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Figure 9.2-26c
Correlation Plots of Median Concentrations for Deep and Shallow Groundwater Samples, Mine Study Area, 2004-2008

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

APPENDICES

APPENDIX 9.2A

Groundwater Field Parameter Data at Individual Well Locations, Mine Study Area 2004-2008

APPENDIX 9.2A
GROUNDWATER FIELD PARAMETER DATA AT INDIVIDUAL WELL LOCATIONS, MINE STUDY AREA (2004-2008)

Appendix 9.2A Groundwater Field Parameter Data at Individual Well Locations, Mine Study Area (2004-2008)

Table of Contents

Field Parameter Data for the Following Groundwater Monioring Well Locations:
MW-1S, MW-1M, MW-1D, MW-2D 1
MW-3D, MW-5S, MW-5M, MW-5D 2
MW-6D, MW-7S, MW-7D, MW-8S.....3
MW-8M, MW-8D, MW-9D, MW-10, MW-11SS 4
MW-11S, MW-11M, MW-11D, MW-12S, MW-12D 5
MW-13S, MW-13D, MW-14S, MW-14D, MW-15D, KP-P4 6
PQ-4, P-4S, SKR-2, SRK-3, SRK-5S 7
SRK-5M, SRK-5D, P-06-37S, P-06-37M, P-06-37D,
P-06-38M, P-06-38D.....8

Key

1. ORP = Oxidation Reduction Potential
2. Temp = Temperature
3. MW7S: example of monitoring well station label
   The S, M and D suffix in the station label indicates the relative depth of the installation.
   - S: shallow
   - M: medium or intermediate
   - D: deep
4. mg/L = milligram per liter
5. µS/cm = microsiemens per centimeter
6. mV = millivolts

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
MW1S	25-Sep-04	5.94	282	6.36	23	14.69	Clear	None	None	0.12
	29-Oct-04	5.66	229	5.23	20	9.65	-	-	-	-
	13-May-05	5.16	235	1.91	15	14.18	Lt.Brown	None	Low/Medium	-
	17-Aug-05	5.29	153	6.78	15	10.53	Clear	None	None	0.00
	11-Nov-05	4.99	298	4.89	17	12.31	Tan	None	Low/Medium	0.20
	21-Mar-06	5.82	145	2.26	26	11.41	Tan	None	Low/Medium	0.00
	22-May-06	4.94	345.4	1.97	11	14.92	Silty/Clear	None	Low/None	0.01
	22-Aug-06	5.85	206.4	4.70	19	13.36	Clear	None	None	0.07
	31-Oct-06	6.88	335.2	4.69	15	13.59	Clear	None	None	0.00
	19-Mar-07	5.59	203.7	2.28	16	9.81	Brown to clear	None	Medium to low	0.04
	10-May-07	4.76	201.5	1.92	7	14.08	Clear	None	None	0.00
	22-Aug-07	5.27	196.3	4.35	11	13.00	Clear	None	None	0.00
	13-Nov-07	5.66	273.7	3.78	15	13.35	Clear	None	None	0.03
	21-Mar-08	5.09	193.5	1.99	22	12.56	Clear	None	None	0.00
	17-May-08	5.03	266.3	1.46	12	14.62	Clear	None	None	0.05
	24-Aug-08	5.51	422.6	5.19	15	13.45	Clear	None	Silty/Clear	0.07
	16-Oct-08	4.96	193.8	5.19	17	12.94	Clear	Low Hydrogen sulfide	None	0.20
MW1M	24-Sep-04	7.09	214	4.34	56	15.17	Clear	None	None	0.06
	29-Oct-04	6.70	200	3.23	77	9.64	-	-	-	-
	21-Mar-05	12.29	-	2.99	37	12.30	Clear	None	None	-
	13-May-05	5.95	242	3.19	54	12.99	Clear	None	None	-
	17-Aug-05	6.17	158	4.51	49	12.66	Clear	None	None	0.03
	11-Nov-05	6.14	250	3.27	52	12.25	Clear	None	None	0.18
	22-Mar-06	6.36	271	3.17	51	12.45	Clear	None	None	0.28
	22-May-06	6.19	270.1	3.18	46	13.36	Clear	None	None	0.01
	22-Aug-06	6.12	154.9	3.63	46	12.87	Clear	None	None	0.03
	31-Oct-06	6.61	279.7	3.42	51	15.00	Clear	None	None	0.05
	19-Mar-07	6.31	222.3	2.98	29	10.60	Clear	None	None	0.02
	10-May-07	6.23	204.6	3.44	29	13.54	Clear	None	None	0.00
	22-Aug-07	6.18	209.1	3.74	31	13.02	Clear	None	None	0.00
	12-Nov-07	7.26	170.9	3.24	47	11.96	Clear	None	None	0.01
	21-Mar-08	6.40	13.7	3.23	46	12.50	Clear	None	None	0.00
	17-May-08	6.35	200.8	3.15	53	13.39	Clear	None	None	0.00
	24-Aug-08	6.18	172.9	4.14	50	14.50	Clear	None	None	0.00
	15-Oct-08	6.26	141.6	3.44	49	14.00	Clear	None	None	0.23
MW1D	23-Sep-04	6.65	241	3.63	56	18.72	Clear	None	None	0.09
	22-Oct-04	6.69	246	3.63	62	15.13	-	-	40	-
	21-Mar-05	6.77	-	3.17	48	11.80	Clear	None	None	-
	13-May-05	6.35	207	3.38	57	12.02	Clear	-	None	0.0
	17-Aug-05	6.51	125	4.47	52	12.09	Clear	None	None	0.00
	11-Nov-05	6.54	242	3.27	59	12.32	Clear	None	None	0.00
	21-Mar-06	6.17	113	3.18	57	12.69	Clear	None	None	-
	22-May-06	5.87	286.5	3.49	52	13.00	Clear	None	None	0.01
	22-Aug-06	6.17	163.4	3.81	51	12.56	Clear	None	None	0.04
	31-Oct-06	6.83	280.4	3.42	54	14.23	Clear	None	None	0.03
	19-Mar-07	6.46	169.3	2.97	30	10.12	Clear	None	None	0.05
	10-May-07	6.45	128.6	3.62	31	12.60	Clear	None	None	0.00
	22-Aug-07	6.29	143.3	4.03	34	13.13	Clear	None	None	0.01
	13-Nov-07	5.83	266.3	3.26	53	13.46	Clear	None	None	0.04
	21-Mar-08	6.83	32.1	2.95	47	12.28	Clear	None	None	0.10
	17-May-08	6.44	168.1	3.28	57	12.44	Clear	None	None	0.09
	24-Aug-08	6.48	290.6	4.61	55	14.34	Clear	None	None	0.00
	16-Oct-08	6.26	148.1	3.36	57	14.02	Clear	None	None	
MW2D	7-Sep-04	8.75	132	4.90	60	12.95	Clear	None	None	-
	20-Oct-04	8.63	213	2.40	59	10.38	-	-	-	-
	22-Mar-05	8.83	-	3.10	46	13.12	Clear	Clear	None	None
	16-May-05	8.78	130	3.60	54	13.23	Clear	-	None	0.0
	17-Aug-05	8.98	102	4.03	52	7.53	Clear	None	None	0.00
	12-Nov-05	8.57	156	2.72	53	12.36	Clear	None	None	0.30
	23-Mar-06	7.11	183	3.09	54	13.54	Clear	None	None	0.03
	21-May-06	6.55	211	3.18	52	14.38	Clear	None	None	0.01
	23-Aug-06	7.39	153.4	3.66	49	12.64	Clear	None	None	0.06
	2-Nov-06	7.79	207.8	3.05	64	12.16	Clear	None	None	0.02
	22-Mar-07	8.83	141.6	2.87	27	13.12	Clear	None	None	0.00
	11-May-07	8.71	98.7	3.86	31	12.79	-	-	-	0.00
	22-Aug-07	8.54	119.3	4.13	32	13.49	Clear	None	None	0.04
	12-Nov-07	8.57	114.8	3.80	48	12.70	Clear	None	None	0.00
	21-Mar-08	7.95	86.8	3.40	45	11.27	Clear	None	None	0.50
	19-May-08	8.57	124.1	3.48	54	14.50	Clear	None	None	
	24-Aug-08	9.04	243.8	4.04	30	92.10	Clear	None	None	0.00
	23-Oct-08	7.00	252.8	2.08	55	13.03	Clear	None	None	0.36

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
MW3D	16-May-05	6.73	197	5.53	150	8.30	Cloudy Brown-Clear	None	None	-
	22-Aug-05	7.06	29	6.01	144	8.19	Clear	None	None	0.00
	24-Mar-06	6.87	279	3.68	150	9.29	Clear	None	None	0.04
	23-May-06	5.43	258.8	7.21	135	8.82	Clear	None	None	0.03
	24-Aug-06	-	-	-	-	-	-	-	-	-
	2-Nov-06	6.76	272.7	4.99	170	7.50	Clear	None	None	-
	1-Mar-07	-	-	-	-	-	-	-	-	-
	16-Aug-07	6.71	105.7	5.13	92	8.50	Clear	None	None	0.00
	11-Nov-07	6.75	207.8	5.65	144	8.95	Clear	None	None	0.06
	22-Mar-08	6.25	103	4.54	128	11.21	Clear	None	None	-
	22-May-08	6.72	142.1	4.51	156	9.41	Clear	None	None	0.05
	27-Aug-08	6.88	203.4	5.64	146	9.78	Clear	None	Silty	0.02
	21-Oct-08	6.88	114.3	1.81	153	8.75	Clear	None	None	0.01
MW5S	7-Sep-04	6.91	32	3.96	184	10.01	Clear	None	None	-
	19-Oct-04	7.24	113	3.62	129	15.19	-	-	-	-
	18-Mar-05	6.71	-	3.70	109	8.74	Clear	None	None	-
	11-May-05	6.81	77.2	5.01	77	9.80	Clear	-	None	0.0
	18-Aug-05	6.54	33	4.13	103	8.88	Clear	None	None	0.29
	9-Nov-05	6.69	32	2.79	84	9.29	Clear	None	None	0.00
	23-Mar-06	7.01	157	3.39	113	7.23	Clear	None	None	0.06
	18-May-06	6.34	185.4	3.33	112	10.28	Clear	Medium/Hydrogen sulfide	None	0.07
	17-Aug-06	5.86	173.1	4.40	55	10.31	-	-	-	0.00
	29-Oct-06	6.18	240.2	3.53	62	12.40	Clear	Medium (sulfur like)	None	0.00
	15-Mar-07	6.38	157.4	2.14	66	6.21	Clear	Medium	None	0.02
	13-May-07	6.50	103.3	3.24	66	7.35	Clear	None	None	0.16
	19-Aug-07	6.37	36.3	3.71	76	7.11	Clear	None	None	0.27
	11-Nov-07	5.31	178.5	2.56	52	10.78	Clear	None	None	0.01
	21-Mar-08	7.05	88.1	2.64	104	5.94	Clear	None	None	0.20
	24-May-08	5.36	192.1	2.91	66	11.17	Clear	None	None	0.17
	25-Aug-08	6.59	130	4.10	144	6.58	Clear	None	None	0.15
	22-Oct-08	6.24	203.9	3.02	48	9.01	Clear	None	Clear	0.11
MW5M	7-Sep-04	8.46	-16	3.89	302	0.52	-	-	-	-
	24-Sep-04	7.60	-58	3.00	296	6.28	Clear	None	None	0.00
	19-Oct-04	8.52	28	3.21	287	0.68	-	-	-	-
	23-Mar-05	7.92	-	3.27	235	3.01	Clear	None	None	-
	11-May-05	8.10	114.7	4.61	234	0.78	Clear	-	None	0.0
	18-Aug-05	7.95	-67	4.58	273	0.54	Clear	None	None	0.00
	9-Nov-05	7.72	-58	3.00	296	6.28	Clear	None	None	0.00
	23-Mar-06	7.28	84	3.11	297	0.25	Clear	Hydrogen Sulfide	None	0.00
	18-May-06	6.79	162	3.37	285	0.53	Clear	None	None	0.01
	17-Aug-06	6.40	167.7	4.17	282	0.37	-	-	-	0.05
	28-Oct-06	7.23	143.1	3.44	291	0.71	Clear	High/Very strong (sulfur)	None	-
	15-Mar-07	7.91	-69.8	2.24	156	0.14	Clear	High/Very strong (sulfur)	None	0.02
	13-May-07	7.66	-84.6	3.32	158	0.20	Clear	High/Very Strong	None	0.00
	19-Aug-07	7.59	-89.4	3.81	161	0.26	Clear	High/Very strong (sulfur)	None	0.06
	10-Nov-07	7.37	95.5	3.05	274	0.29	Clear	High (hydrogen sulfide)	None	0.04
	21-Mar-08	7.55	41.5	3.65	245	1.16	Clear	medium (hydrogen sulfide)	None	0.00
	23-May-08	7.72	-61.4	3.27	292	0.11	Milky White	High (hydrogen sulfide)	low	0.07
	25-Aug-08	7.94	2.7	3.82	275	0.39	None	Medium (hydrogen sulfide)	None	0.00
	23-Oct-08	7.08	-297	2.68	289	1.67	Clear, Milky White	Low Hydrogen Sulfide	None	0.04
MW5D	24-Sep-04	10.01	-356	4.09	271	0.58	Clear	None	None	0.13
	19-Oct-04	9.63	-369	3.67	271	0.84	-	-	-	-
	18-Mar-05	7.89	-	3.74	218	0.22	Clear	None	None	-
	11-May-05	9.01	-267	4.54	218	0.13	Clear	None	None	0.0
	18-Aug-05	7.08	-68	5.25	247	0.38	Brown-clear	None	Low	0.91
	9-Nov-05	7.03	-58	3.13	264	0.21	Clear	None	None	1.48
	23-Mar-06	7.20	35	3.61	262	0.30	Tan	Slight / Hydrogen Sulfide	Low	1.38
	18-May-06	6.50	78	3.38	250	0.31	Clear	Medium/High	None	1.35
	17-Aug-06	6.20	122.3	4.31	244	0.28	-	-	-	1.99
	29-Oct-06	6.59	137.2	3.38	257	0.98	Clear	Medium/High (sulfur like odor)	None	1.22
	15-Mar-07	7.01	-45	2.18	135	0.14	Clear	Medium/High	None	1.38
	22-Mar-08	-	-	-	-	-	-	-	-	-
	24-May-08	6.77	-91.9	3.22	255	0.18	Clear	None	None	1.71
	25-Aug-08	6.84	-16	3.74	240	0.34	Clear	Low	None	1.31
	22-Oct-08	6.97	-28	3.00	216	5.58	Clear	Medium Hydrogen Sulfide	None	0.89

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
MW6D	7-Sep-04	6.40	235	3.62	57	13.06	Clear	None	None	-
	21-Oct-04	6.69	266	4.37	31	12.32	-	-	-	-
	20-Mar-05	6.46	-	2.38	40	11.78	Clear	None	None	-
	12-May-05	6.16	184.4	2.91	42	12.66	Clear	None	None	0.0
	20-Aug-05	6.11	59	5.95	37	10.83	Clear	None	None	0.03
	5-Nov-05	6.22	298	3.58	43	6.03	Clear	None	None	0.00
	10-Mar-06	6.45	329	2.33	43	12.19	Clear	None	None	0.32
	23-May-06	5.83	276.7	3.69	41	14.00	Clear	None	None	0.26
	20-Aug-06	6.06	196	6.01	42	8.96	Clear	None	None	0.11
	29-Oct-06	6.64	246.8	4.34	38	14.63	Clear	None	None	0.11
	17-Mar-07	6.05	208.4	2.75	24	11.51	Clear	None	None	0.00
	14-May-07	6.08	162.3	3.15	26	12.65	Clear	None	None	0.01
	21-Aug-07	5.93	162.8	5.00	26	12.18	Clear	None	None	0.00
	14-Nov-07	6.05	253.1	3.05	35	10.54	Clear	None	None	0.05
	23-Mar-08	6.64	118.8	2.62	36	11.26	Clear	None	None	0.12
	19-May-08	6.37	376.6	2.85	43	16.49	Clear	None	None	0.04
	25-Aug-08	5.54	125.6	5.39	40	11.78	Clear	None	None	0.29
	18-Oct-08	6.11	156.3	4.89	39	9.58	Clear	None	None	0.16
MW7S	24-Sep-04	6.39	271	2.38	44	14.97	Clear	None	None	0.11
	20-Oct-04	6.66	272	3.11	38	14.62	-	-	-	-
	17-Mar-05	6.43	-	3.12	34	12.39	Lt.Brown-clear	None	None-low	-
	15-May-05	5.73	164	3.42	27	13.38	Clear	None	None	-
	21-Aug-05	6.14	28	4.51	35	12.79	Clear	None	None	0.05
	12-Nov-05	5.76	234	3.66	32	11.39	Clear	None	None	0.18
	12-Mar-06	6.74	316	2.97	41	12.84	Clear	None	None	0.00
	21-Aug-06	6.12	173.4	3.23	32	11.92	Clear	None	None	0.00
	30-Oct-06	6.49	299.9	3.90	26	12.76	Clear	None	None	0.00
	23-Aug-07	6.15	142.2	3.08	22	13.02	Clear	None	None	0.00
	12-Nov-07	6.34	205.1	2.78	32	13.65	Clear	None	None	0.02
	23-Mar-08	-	-	-	-	-	-	-	-	-
	19-May-08	-	-	-	-	-	-	-	-	-
	25-Aug-08	6.22	182.2	3.05	38	14.01	Clear	None	None	0.00
	16-Oct-08	5.70	156.7	2.90	27	14.54	Clear	None	None	0.10
MW7D	6-Sep-04	5.89	308	3.23	51	17.08	Milky White	None	18.00	-
	20-Oct-04	6.64	281	2.62	50	15.35	-	-	3.00	-
	17-Mar-05	6.65	-	2.51	38	12.54	Clear	None	None	-
	15-May-05	5.87	140	3.93	42	12.08	Clear	None	None	-
	21-Aug-05	5.90	104	4.17	40	13.60	Clear	None	None	0.06
	12-Nov-05	6.15	237	2.67	39	11.88	Clear	None	None	0.36
	12-Mar-06	6.76	328	2.62	40	12.79	Clear	None	None	0.01
	23-May-06	5.35	299.3	3.88	36	13.05	Clear	None	None	0.03
	21-Aug-06	6.07	178.2	3.35	37	12.36	Clear	None	None	0.19
	30-Oct-06	6.52	272.9	3.13	41	13.50	Clear	None	None	-
	18-Mar-07	6.17	187.8	2.88	22	10.25	Clear	None	None	0.00
	11-May-07	6.18	163.2	3.44	23	12.27	-	-	-	0.01
	23-Aug-07	6.18	139.3	3.27	22	13.10	Clear	None	None	0.02
	14-Nov-07	6.41	206.5	2.56	36	13.74	Clear	None	None	0.02
	23-Mar-08	6.05	106.8	2.52	37	11.55	Clear	None	None	0.45
	19-May-08	6.97	127	3.28	40	13.72	Clear	None	None	0.00
	25-Aug-08	6.80	169.3	3.14	390	13.65	Clear			0.00
	16-Oct-08	5.96	141.8	2.68	42	14.54	Clear	None	None	0.03
MW8S	6-Sep-04	6.33	257	3.83	46	13.83	Clear	None	None	-
	19-Oct-04	6.56	268	3.69	48	12.26	-	-	-	-
	15-Mar-05	6.20	-	3.48	43	11.31	Clear	None	None	-
	12-May-05	6.09	195.6	3.66	42	12.99	Clear	None	None	0.0
	20-Aug-05	6.55	75	5.16	33	11.48	Clear	None	None	-
	6-Nov-05	6.18	242	3.26	44	6.79	Clear	None	None	0.00
	10-Mar-06	6.99	310	2.65	42	11.65	Clear	None	None	0.07
	20-May-06	6.08	239.9	3.27	42	11.73	Clear	-	None	0.04
	20-Aug-06	6.35	192.8	3.54	47	12.90	Clear	None	None	0.11
	25-Oct-06	6.34	235.8	3.51	47	13.22	Clear	None	None	0.06
	17-Mar-07	6.25	202.2	2.50	24	11.30	Clear	None	None	0.03
	14-May-07	6.13	160.3	3.37	24	11.11	Clear	None	None	0.01
	20-Aug-07	6.19	138.5	3.34	22	13.00	Clear	None	None	0.02
	14-Nov-07	6.32	235.2	2.89	42	15.49	Clear	None	None	0.00
	23-Mar-08	6.73	108.1	3.10	36	10.79	Clear	None	None	
	20-May-08	6.22	203	2.78	49	12.64	Clear	None	None	0.00
	26-Aug-08	6.19	305.1	3.88	36	13.47	Clear	None	None	0.00
	18-Oct-08	6.23	132.9	3.59	41	12.97	Clear	None	None	0.05

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
MW8M	6-Sep-04	6.14	287	3.31	72	13.03	Clear	None	None	-
	19-Oct-04	6.50	271	2.93	66	15.88	-	-	-	-
	15-Mar-05	6.29	-	3.01	51	12.79	Clear	None	None	-
	12-May-05	6.20	224.7	3.55	61	12.38	Clear	None	None	0.00
	20-Aug-05	6.29	109	3.99	46	12.36	Clear	None	None	0.00
	6-Nov-05	6.39	285	2.97	59	6.80	Clear	None	None	0.01
	10-Mar-06	6.83	311	2.55	59	11.51	Clear	None	None	0.12
	20-May-06	6.04	249.5	3.18	57	12.87	Clear	-	-	0.00
	20-Aug-06	6.35	209	3.33	58	11.92	Clear	None	None	0.06
	26-Oct-06	6.47	217.2	2.99	58	13.35	Clear	None	None	0.00
	17-Mar-07	6.22	189.8	2.48	34	10.79	Clear	None	None	0.00
	14-May-07	6.24	163.9	3.26	34	11.17	Clear	None	None	0.06
	20-Aug-07	6.33	94.2	3.70	32	11.86	Clear	None	None	0.04
	15-Nov-07	6.55	225.1	2.57	56	12.55	Clear	None	None	0.07
	24-Mar-08	6.22	119.4	2.64	60	11.33	Clear	None	None	0.52
	20-May-08	6.25	245.3	3.28	64	11.34	Clear	None	None	0.11
	26-Aug-08	6.32	337.6	3.53	59	13.33	Clear	None	None	0.08
	18-Oct-08	6.38	122.6	2.65	59	12.91	Clear	None	None	0.15
MW8D	6-Sep-04	7.95	188	3.47	117	13.07	Clear	None	None	-
	19-Oct-04	8.19	238	3.19	107	11.86	-	-	-	-
	15-Mar-05	7.86	-	2.90	83	11.11	Clear	None	None	-
	12-May-05	7.64	179.4	3.15	102	11.08	Clear	None	None	0.0
	20-Aug-05	7.58	73	4.05	81	11.06	Clear	None	None	0.02
	6-Nov-05	7.71	257	2.71	99	5.97	Clear	None	None	0.00
	10-Mar-06	7.00	257	2.99	95	11.30	Clear	None	None	0.00
	20-May-06	6.56	192.9	3.01	93	12.11	Clear	None	None	0.00
	20-Aug-06	6.86	164.5	3.51	92	11.00	Clear	None	None	0.05
	25-Oct-06	7.17	188.7	2.98	94	12.39	Clear	None	None	0.04
	17-Mar-07	7.82	145.6	2.40	54	11.10	Clear	None	None	0.00
	14-May-07	7.56	109.9	3.17	56	10.82	Clear	None	None	0.00
	21-Aug-07	7.19	101.4	3.45	56	12.17	Clear	None	None	0.16
	15-Nov-07	6.92	198.1	2.64	91	11.63	Clear	None	None	0.31
	24-Mar-08	6.53	66.1	3.09	94	11.63	Clear	None	None	0.26
	20-May-08	7.21	116.4	2.98	100	11.68	Clear	None	None	0.08
	26-Aug-08	7.70	230.3	3.60	97	12.30	Clear	None	None	0.40
	18-Oct-08	7.63	90.8	3.05	99	11.62	Clear	None	None	0.01
MW9D	6-Sep-04	5.55	298	3.10	52	13.39	Clear	None	None	-
	20-Oct-04	6.31	272	2.80	48	14.41	-	-	-	-
	17-Mar-05	5.95	-	2.60	41	10.02	Clear	None	None	-
	15-May-05	5.91	164	3.94	39	11.34	Clear	None	None	0.0
	21-Aug-05	6.07	16	4.86	42	11.64	Clear	None	None	0.01
	21-Aug-06	5.99	180.7	3.24	39	11.35	Clear	None	None	0.17
	30-Oct-06	-	-	-	-	-	-	-	-	-
	2-Mar-07	-	-	-	-	-	-	-	-	-
	11-May-07	-	-	-	-	-	-	-	-	-
	23-Aug-07	5.92	117.8	3.50	27	11.28	Clear	None	None	0.02
	23-Mar-08	-	-	-	-	-	-	-	-	-
	17-May-08	-	-	-	-	-	-	-	-	-
MW10	21-Oct-04	6.28	283	3.69	53	10.64	-	-	-	-
	20-Mar-05	6.11	-	2.53	40	10.44	Clear	None	None	-
	12-May-05	6.02	194.5	2.98	47	11.22	Clear	None	None	0.0
	20-Aug-05	6.19	34	4.80	39	9.61	Clear	None	None	0.02
	6-Nov-05	6.11	293	3.14	49	5.54	Clear	None	None	0.02
	23-May-06	5.37	295.9	3.35	46	11.48	Clear	None	None	0.01
	20-Aug-06	6.12	196.9	3.95	45	9.96	Clear	None	None	0.25
	29-Oct-06	6.76	240.6	3.30	47	13.85	Clear	None	None	-
	18-Mar-07	6.08	211.3	1.88	27	8.99	Clear	None	None	0.00
	14-May-07	6.15	163	2.64	28	10.19	Clear	None	None	0.00
	23-Aug-07	6.20	136.5	3.51	28	10.01	Clear	None	None	0.01
	15-Nov-07	6.08	271	2.63	45	11.27	Clear	None	None	0.22
	23-Mar-08	6.15	104.8	2.38	49	9.61	Clear	None	None	0.00
	19-May-08	6.43	181.9	2.71	48	12.41	Clear	None	None	0.00
	25-Aug-08	11.01	133	3.34	47	11.16	Clear	None	None	0.03
	17-Oct-08	5.62	166.8	2.88	50	9.05	Clear	None	None	0.04
MW11SS	11-Nov-05	6.12	232	4.36	27	12.85	Clear	None	None	0.02
	22-Aug-06	6.19	182.2	4.42	21	13.17	Clear	None	None	0.00
	1-Nov-06	6.86	285.3	3.96	29	12.48	Clear	None	None	0.02
	21-Aug-07	6.12	136.0	4.40	12	13.91	Clear	None	None	0.00
	20-Mar-08	7.04	126.0	3.21	21	9.11	Clear	None	None	
	18-May-08	6.29	168.7	9.09	20	12.99	Clear	None	None	0.02
	24-Aug-08	6.76	200.2	5.02	20	12.19	Clear	None	None	0.03
	22-Oct-08	5.87	142.2	3.20	23	11.43	Clear	None	None	0.24

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
MW11S	21-Oct-04	6.60	258	4.73	56	15.56	-	-	-2.00	-
	21-Mar-05	6.41	-	4.56	43	10.11	Clear	None	None	-
	13-May-05	5.98	163	5.66	51	9.75	Clear	None	None	-
	16-Aug-05	6.11	115	7.00	51	8.16	Clear	None	None	0.05
	11-Nov-05	6.00	235	4.03	47	11.90	Clear	None	None	0.00
	22-Mar-06	6.73	255	4.71	48	9.13	Clear	None	None	0.17
	21-Aug-06	6.20	204.5	5.76	45	9.79	Clear	None	None	0.09
	1-Nov-06	6.47	300	5.01	55	11.81	Clear	None	None	0.05
	22-Mar-07	5.97	181.2	4.47	26	10.72	Clear	None	None	0.01
	21-Aug-07	5.96	131.3	5.96	29	10.86	Clear	None	None	0.06
	11-Nov-07	6.25	228.1	4.39	39	13.96	Clear	None	None	-
	20-Mar-08	6.99	153	4.32	41	8.14	Clear	None	None	
	18-May-08	6.10	186.7	4.89	47	10.53	Clear	None	None	0.08
	24-Aug-08	6.33	195.2	5.76	41	10.63	Clear	None	None	0.00
	22-Oct-08	5.90	144.4	3.32	44	11.54	Clear	None	None	0.06
MW11M	21-Oct-04	6.34	250	4.47	49	14.42	-	-	-	-
	21-Mar-05	5.88	-	4.44	40	9.05	Clear	None	None	-
	13-May-05	5.76	176	5.18	47	9.35	Clear	None	None	-
	16-Aug-05	5.78	149	5.77	46	10.56	Clear	None	None	0.04
	11-Nov-05	5.84	230	3.82	44	11.06	Clear	None	None	0.02
	22-Mar-06	6.52	271	4.20	44	8.58	Clear	None	None	0.00
	21-May-06	5.81	262.6	4.80	46	8.51	Clear	None	None	0.00
	21-Aug-06	6.10	198.1	5.72	44	9.95	Clear	None	None	-
	1-Nov-06	6.54	312.8	4.43	51	11.25	Clear	None	None	0.00
	22-Mar-07	5.87	192.5	3.57	23	10.52	Clear	None	None	0.00
	10-May-07	5.85	129.1	4.73	25	10.80	Clear	None	None	0.02
	21-Aug-07	5.82	156.6	5.39	27	11.02	Clear	None	None	0.02
	11-Nov-07	6.19	230.4	4.26	37	13.76	Clear	None	None	0.03
	19-Mar-08	6.99	182.1	3.91	39	12.23	Clear	None	None	0.00
	18-May-08	5.82	215.7	4.31	45	10.01	Clear	None	None	0.06
	24-Aug-08	6.10	180.5	5.08	39	10.59	Clear	None	None	0.00
	22-Oct-08	5.69	158	3.27	40	10.67	Clear	None	None	0.08
MW11D	21-Oct-04	6.46	244	4.65	55	8.61	-	-	-	-
	21-Mar-05	6.18	-	4.95	44	9.04	Clear	None	None	-
	13-May-05	5.94	180	5.33	54	7.67	Clear	None	None	0.0
	16-Aug-05	5.86	173	5.61	56	8.77	Clear	None	None	0.00
	10-Nov-05	5.96	254	4.14	53	8.87	Clear	None	None	0.38
	22-Mar-06	6.53	247	4.32	52	8.20	Clear	None	None	0.49
	21-May-06	6.09	256	4.82	56	7.55	Clear	None	None	0.02
	21-Aug-06	6.15	174.7	5.36	50	7.11	Clear	None	None	0.17
	1-Nov-06	6.52	309.4	4.50	62	9.27	Clear	None	None	0.00
	22-Mar-07	6.00	203.2	4.22	28	8.33	Clear	None	None	0.03
	10-May-07	6.10	91.7	4.84	33	8.10	Clear	None	None	0.00
	21-Aug-07	5.96	174.5	5.40	34	8.87	Clear	None	None	0.04
	11-Nov-07	6.22	250.7	4.55	44	10.80	Clear	None	None	0.22
	20-Mar-08	6.65	150.6	4.39	46	6.44	Clear	None	None	0.00
	18-May-08	6.01	200.2	4.53	52	9.12	Clear	None	None	0.07
	24-Aug-08	6.30	218.5	5.34	29	8.36	-	-	None	0.04
	22-Oct-08	6.09	134.3	3.88	50	11.28	Clear	None	None	0.04
MW12S	19-Aug-05	7.31	15	4.95	662	0.92	Clear	None	Low	0.15
	9-Nov-05	7.40	91	2.36	727	5.55	-	Hydrogen Sulfide/very strong	Low	0.08
	24-Mar-06	6.98	97	2.56	677	0.44	Tan	Hydrogen Sulfide/Very strong	Low/None	0.13
	19-May-06	6.41	142.4	3.18	652	0.73	Clear	None	Low	0.18
	18-Aug-06	6.63	100.3	3.52	637	0.44	Clear	None	Low	0.19
	28-Oct-06	6.98	152.5	2.62	670	0.95	Silty/Clear	None	Low/None	0.01
	12-Mar-07	7.25	-21	1.87	341	3.52	Silty/Clear	None	Low	-
	12-May-07	7.22	-111	3.05	323	0.87	Silty/Clear	Medium/Low	Low/None	0.09
	17-Aug-07	7.14	17.15	3.29	360	0.46	Clear	None	None	0.06
	10-Nov-07	7.01	64.8	2.26	598	0.62	Clear	High (hydrogen sulfide)	None	0.14
	26-Mar-08	7.09	16.5	2.10	627	0.98	Clear	Low (unknown)	Low	0.51
	21-May-08	7.26	-82.7	2.94	665	0.05	Clear	Very strong (hydrogen sulfide)	low	0.06
	28-Aug-08	7.32	-160	3.06	672	0.81	Clear	Low (hydrogen sulfide)	None	
	21-Oct-08	7.46	-26.6	2.09	629	0.19	Clear	Low (hydrogen sulfide)	None	0.17
MW12D	19-Aug-05	5.89	110	3.92	135	4.00	Slightly Orange - Clear	None	Low	0.00
	8-Nov-05	5.97	66	2.42	147	2.42	Clear	None	None	0.21
	24-Mar-06	6.82	250	2.82	145	2.21	Clear	High/Very strong	Low/None	0.00
	19-May-06	5.47	221.7	2.92	143	2.24	Clear	None	None	0.02
	18-Aug-06	6.13	125.6	3.24	135	2.48	Clear	Very Strong / Sulfur smell	None	0.06
	28-Oct-06	5.81	216.6	2.75	139	2.74	Clear	Very Strong / Sulfur smell	None	0.01
	13-Mar-07	6.06	229.8	1.88	78	2.06	Clear	Very Strong / Sulfur smell	None	0.11
	12-May-07	5.79	20.2	3.22	79	2.38	Clear	High	None	0.00
	17-Aug-07	5.80	34.4	3.24	82	2.53	Clear	Very Strong / Sulfur smell	None	0.03
	10-Nov-07	6.06	122.9	2.42	133	2.47	Clear	Very Strong (hydrogen sulfide)	None	0.04
	26-Mar-08	5.97	75.8	2.67	130	2.99	Clear	High (hydrogen sulfide)	None	
	21-May-08	6.07	119.2	3.18	143	2.55	Clear	Hydrogen Sulfide /very strong	None	0.00
	28-Aug-08	5.92	94.9	3.12	135	3.29	Clear	Hydrogen Sulfide /Low	None	0.00
	21-Oct-08	5.95	198.9	2.49	139	2.25	Clear	--	--	0.07

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
MW13S	22-Aug-05	5.74	71	5.08	36	4.75	Clear	None	None	0.10
	11-Nov-05	5.86	223	8.03	38	8.67	Clear	None	None	0.07
	21-Mar-06	5.29	210	1.06	35	11.71	Clear	None	None	0.06
	22-May-06	5.42	312.1	2.07	35	12.52	Clear	-	-	0.06
	24-Aug-06	6.00	196.7	1.93	33	8.98	Clear	None	None	0.01
	31-Oct-06	6.73	283	6.25	36	8.66	Clear	None	None	0.00
	18-Mar-07	5.86	215.2	1.64	19	12.40	Clear	None	None	0.02
	11-May-07	5.59	193.6	1.12	19	12.70	Clear	None	None	0.01
	22-Aug-07	5.67	167.9	3.05	20	8.17	Clear	None	None	0.01
	14-Nov-07	6.17	205.2	6.81	38	8.85	Clear	None	None	0.29
	22-Mar-08	5.64	-26.2	2.03	28	-	Clear	None	None	0.24
	17-May-08	6.03	173.5	1.03	38	13.95	Clear	None	None	0.00
	24-Aug-08	5.81	180.9	3.20	34	9.97	Clear	None	None	0.00
	15-Oct-08	5.82	120.4	4.53	38	8.66	Clear	None	None	0.03
MW13D	22-Aug-05	7.92	-2.3	3.64	102	6.86	Milky White	None	Low/Medium	0.16
	12-Nov-05	6.53	166	4.51	64	6.75	Clear	None	None	0.07
	21-Mar-06	6.24	103	3.10	55	8.74	Milky White	None	Low	0.55
	22-May-06	5.81	286	3.16	50	9.24	Clear	None	None	0.03
	24-Aug-06	6.30	191.4	3.14	45	9.10	Clear	None	None	0.05
	31-Oct-06	6.48	259.5	4.95	47	8.83	Clear	None	None	0.01
	18-Mar-07	6.43	173.1	3.07	28	8.26	Clear	None	None	0.02
	11-May-07	6.40	169.4	2.96	29	9.32	Clear	None	None	0.00
	22-Aug-07	6.23	154.1	3.17	27	9.33	Clear	None	None	0.01
	14-Nov-07	5.59	222.9	4.61	48	8.95	Clear	None	None	0.01
	22-Mar-08	6.61	-203	2.88	40	10.44	Clear	None	None	0.02
	17-May-08	6.73	136.6	2.85	53	9.29	Clear	None	None	
	24-Aug-08	6.40	188.4	3.59	45	10.63	Clear	None	None	0.00
	15-Oct-08	6.19	113.9	3.40	45	8.98	Clear	Low Hydrogen sulfide	None	0.01
MW14S	10-Nov-05	5.99	243	2.52	80	11.05	Clear	None	None	0.00
	23-Mar-06	7.12	193	3.89	79	10.42	Clear	None	None	0.00
	21-May-06	6.43	210.2	4.27	83	12.41	Clear	None	None	0.01
	23-Aug-06	6.27	158.8	4.22	68	9.25	Clear	None	None	-
	2-Nov-06	6.30	291.9	3.22	88	9.73	Clear	None	None	0.55
	20-Mar-07	5.86	170.7	3.09	48	11.19	Clear	None	None	0.05
	9-May-07	6.14	145.3	3.52	48	11.71	Clear	None	None	0.00
	19-Aug-07	6.14	124.5	4.71	44	14.02	Clear	None	None	0.01
	12-Nov-07	6.17	227.2	3.07	71	10.52	Clear	None	None	0.03
	20-Mar-08	5.91	139.7	3.62	72	11.07	Clear	None	Low	0.02
	22-May-08	6.46	150.2	4.32	82	13.47	Clear	None	Low	0.02
	25-Aug-08	6.18	201.3	3.77	710	10.67	Clear	None	Low	0.00
	21-Oct-08	6.45	125.4	2.84	8	10.82	Clear	None	Low	0.01
MW14D	10-Nov-05	7.17	66	3.31	277	4.09	Clear	None	None	0.11
	23-Mar-06	7.83	69	3.85	324	6.06	Clear	Hydrogen Sulfide	None	-
	21-May-06	6.64	147.7	4.40	219	2.58	Clear	None	None	0.14
	23-Aug-06	7.21	102.7	5.06	225	1.24	Clear	Very Strong/ Sulfur Like	None	0.34
	3-Nov-06	7.07	145.4	4.11	297	2.14	Clear	Very Strong	None	0.21
	20-Mar-07	7.74	-183	2.81	205	1.53	Clear	Very Strong	None	0.10
	9-May-07	7.92	-222	4.15	279	1.17	Clear	Hydrogen Sulfide	None	0.17
	20-Aug-07	7.34	89.2	3.93	201	1.21	Clear	Hydrogen Sulfide	None	0.01
	19-Mar-08	8.08	-260	3.84	435	1.01	Clear	medium (hydrogen sulfide)	None	0.00
	23-May-08	7.52	-71.2	3.21	469	1.34	Clear	medium (hydrogen sulfide)	None	0.07
	26-Aug-08	7.88	138.8	3.71	449	1.14	Clear	Low (hydrogen sulfide)	None	0.00
	22-Oct-08	8.03	-144	2.05	475	1.56	Clear	Low	None	0.56
MW15D	12-Nov-07	7.18	81	3.17	392	1.29	Clear	High (hydrogen sulfide)	None	0.07
KPP4	22-Mar-05	7.52	-	2.92	100	10.86	Clear	None	None	-
	14-May-05	7.37	90.7	4.04	112	11.15	Clear	None	None	-
	19-Aug-05	7.15	41	4.60	91	11.60	Clear	None	None	0.02
	7-Nov-05	7.53	279	2.07	188	10.74	Clear	None	None	0.02
	9-Mar-06	6.67	152	2.39	99	10.57	Lt. Tan	None	Low	0.00
	19-May-06	6.40	192.9	3.01	114	10.64	Clear	None	None	0.03
	19-Aug-06	6.64	158.5	3.57	104	10.51	Clear	None	None	0.27
	26-Oct-06	7.28	172.7	3.06	120	13.28	Milky White / Clear	None	Medium / None	0.01
	15-Mar-07	7.28	70.5	2.38	62	9.53	Milky White / Clear	None	High / None	0.31
	13-May-07	7.05	112.8	3.05	59	11.48	Milky White / Clear	None	Medium / None	0.06
	17-Aug-07	6.95	66.9	3.46	63	11.48	-	-	-	-
	9-Nov-07	6.42	125.9	2.67	112	12.14	Milky White/Clear	None	Medium to None	0.05
	26-Mar-08	7.04	112.6	2.65	110	10.22	Milky White	None	Medium	0.03
	21-May-08	6.61	162.7	2.90	107	11.92	Clear	None	None	0.08
	26-Aug-08	7.30	193.4	3.38	103	11.14	Clear	None	None	0.02
	20-Oct-08	7.51	85.3	2.62	109	11.40	Milky white	None	Low, slight sediment in line	0.06

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
PQ4	9-Nov-05	6.31	164	1.78	109	0.75	Clear	None	None	-
	9-Mar-06	6.33	155	1.94	85	0.34	Clear	None	None	0.57
	19-May-06	5.40	202.7	2.67	97	0.32	Clear	None	None	0.71
	18-Aug-06	5.55	153.3	3.00	92	0.28	Clear	None	None	0.62
	28-Oct-06	5.38	188.7	2.45	97	0.95	Clear	None	None	0.64
	16-Mar-07	4.39	161	2.10	50	0.27	Clear	None	None	0.68
	12-May-07	4.68	182.3	3.34	54	0.35	Clear	None	None	0.60
	18-Aug-07	4.55	175.8	2.99	52	0.24	Clear	None	None	0.53
	17-Nov-07	4.87	192.8	1.98	92	0.83	Clear	None	None	-
	25-Mar-08	5.23	150.8	2.64	94	0.58	Clear	None	Low	0.60
	24-May-08	4.63	150.0	2.71	97	0.16	Clear	None	None	0.49
	28-Aug-08	4.38	70.2	2.84	93	1.22	Clear	None	None	0.41
	21-Oct-08	4.94	212.9	2.40	97	0.38	Clear	None	None	0.72
P4S	8-Nov-05	7.35	182	2.86	150	11.70	Clear	None	None	0.53
	9-Mar-06	6.56	124	2.88	104	8.03	Clear	None	None	0.00
	20-May-06	5.94	224	3.04	236	1.63	Clear	None	None	0.00
	19-Aug-06	6.30	167.9	3.55	129	6.95	Clear	None	None	0.06
	26-Oct-06	6.99	192.2	2.99	225	4.09	Clear	None	None	0.56
	16-Mar-07	5.90	213.3	2.24	70	5.47	Clear	None	None	0.03
	13-May-07	6.20	162.6	3.15	124	1.53	Clear	None	None	0.04
	18-Aug-07	6.12	158.3	3.83	70	7.11	Clear	None	None	0.07
	9-Nov-07	6.26	102	3.17	147	5.50	Clear	None	None	0.00
	26-Mar-08	6.90	153.6	3.19	133	4.98	Clear	None	None	0.03
	20-May-08	6.16	177.1	3.62	256	1.50	Clear	None	None	
	26-Aug-08	6.17	166.1	3.59	127	7.06	Clear	None	None	0.02
	21-Oct-08	6.16	222.1	2.87	193	4.77	Clear	None	None	0.19
SRK2	23-Mar-05	7.79	-	2.44	266	0.10	Clear	None	None	-
	15-May-05	6.84	-12	3.75	321	0.54	Clear	None	None	-
	19-Aug-05	7.85	-115	4.13	279	0.72	Brown	None	Low	0.06
	7-Nov-05	7.67	-16	1.43	320	0.22	Milky White	Very Strong/ Sulfer	Low	0.00
	9-Mar-06	6.38	1.3	1.87	267	0.22	Milky White	Hydrogen Sulfide	Low	-
	20-May-06	7.00	123.7	2.82	294	0.31	Milky White	Strong Sulfur	Medium/None	0.17
	19-Aug-06	6.70	120.2	3.87	300	0.39	-	Very Strong / Sulfur	Medium /Grey (light)	0.02
	26-Oct-06	6.98	151.6	1.43	324	1.44	Milky White / Clear	Medium	Medium / Low	0.08
	16-Mar-07	7.97	-120	1.85	159	0.19	Milky White / Clear	Medium to High	Medium / Low	0.00
	15-May-07	7.72	-117	2.73	176	0.31	Milky White / Clear	Very Strong	Medium / Low	-
	19-Aug-07	7.68	-122	3.24	169	0.33	Clear	Very Strong	None	0.02
	9-Nov-07	7.60	33.2	2.48	297	0.71	Clear	Very Strong (hydrogen sulfide)	None	0.07
	27-Mar-08	7.02	-7.3	2.28	284	0.94	Clear	High (hydrogen sulfide)	None	
	20-May-08	7.83	-136	3.38	312	0.20	Clear	High (hydrogen sulfide)	None	0.16
	27-Aug-08	7.90	49.6	3.07	287	1.30	Clear	High (hydrogen sulfide)	None	0.06
	20-Oct-08	7.86	-162	2.29	305	0.88	Clear	High (hydrogen sulfide)	None	0.19
SRK3	8-Nov-05	7.53	-17	2.13	391	0.24	Clear	Slight / Sulfur	None	0.05
	9-Mar-06	6.74	32	2.06	328	0.30	Clear	None	None	-
	20-May-06	6.86	153.5	2.59	358	0.81	Clear	None	None	0.06
	19-Aug-06	6.63	121.3	3.22	374	0.41	Clear	None	None	0.24
	26-Oct-06	7.06	185.5	2.13	404	1.46	Clear	None	None	0.53
	16-Mar-07	7.52	-48.9	1.92	202	0.25	Clear	None	None	0.20
	13-May-07	7.52	-54.8	2.53	210	0.29	Clear	None	None	0.11
	19-Aug-07	7.41	-124	2.84	214	0.30	Clear	None	None	0.13
	9-Nov-07	7.18	48.9	2.32	382	0.74	Clear	Very Strong (hydrogen sulfide)	None	0.09
	27-Mar-08	6.67	-21.9	1.96	369	0.78	Clear	medium (hydrogen sulfide)	None	0.22
	20-May-08	7.40	-84.7	2.68	403	0.23	Clear	Very Strong (hydrogen sulfide)	None	0.07
	26-Aug-08	7.58	-8.3	2.58	380	0.37	Clear	High (hydrogen sulfide)	None	0.18
	20-Oct-08	7.50	-124	1.98	396	0.76	Clear	High (hydrogen sulfide)	None	0.18
SRK5S	25-Sep-04	6.06	258	3.48	39	15.91	Clear	None	None	1.50
	20-Oct-04	5.91	292	3.72	28	14.12	-	-	-	-
	18-Mar-05	5.14	-	2.96	24	12.37	Clear	None	None	-
	14-May-05	4.95	230	3.09	26	13.94	Clear	None	None	-
	18-Aug-05	5.42	101	4.57	24	12.84	Clear	None	None	0.00
	8-Nov-05	5.77	82	2.34	32	10.67	Clear	None	None	0.23
	10-Mar-06	6.69	342	1.84	29	12.60	Clear	None	None	0.02
	18-May-06	5.91	261.2	1.76	26	15.80	Clear	None	None	0.00
	17-Aug-06	5.89	208.9	4.59	28	13.39	Clear	None	None	0.00
	27-Oct-06	6.65	304.2	3.58	26	12.61	Clear	None	None	0.00
	13-Mar-07	5.89	203.3	1.60	15	11.82	Clear	None	None	0.01
	12-May-07	5.56	152.9	2.21	15	13.64	Clear	None	None	-
	18-Aug-07	5.54	171.7	3.17	15	13.93	Clear	None	None	0.04
	7-Nov-07	6.06	198.9	2.74	28	10.38	Clear	None	None	0.00
	22-Mar-08	5.87	150.8	2.08	23	12.30	Clear	None	None	0.02
	21-May-08	5.92	194.6	2.61	29	13.44	Clear	None	None	0.03
	26-Aug-08	5.29	303.2	2.75	27	15.46	Clear	None	None	0.00
	22-Oct-08	5.70	285.6	2.34	24	11.75	Clear	None	None	0.11

Well	Sample Date	pH	ORP (mV)	Temp (°C)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Color	Odor	Turbidity	Ferrous Iron (mg/L)
SRK5M	25-Sep-04	6.89	245	3.28	93	10.48	-	-	-	0.15
	20-Oct-04	6.78	285	2.92	90	11.62	-	-	-	-
	18-Mar-05	6.51	-	3.59	73	8.19	Clear	None	None	-
	14-May-05	6.39	166.5	3.88	88	8.97	Clear	None	None	-
	18-Aug-05	6.39	91	3.61	77	9.77	Clear	None	None	0.00
	8-Nov-05	5.85	63	2.56	95	7.10	Clear	None	None	0.04
	10-Mar-06	6.93	304	2.51	83	8.90	Clear	None	None	0.05
	18-May-06	6.10	221	2.92	80	10.35	Clear	None	None	0.02
	17-Aug-06	6.20	141.8	3.33	84	9.09	Clear	None	None	0.07
	27-Oct-06	6.34	266.2	3.43	88	8.31	Clear	None	None	-
	13-Mar-07	6.56	258.9	2.14	47	8.51	Clear	None	None	0.17
	12-May-07	6.42	93.4	3.37	48	10.15	Clear	None	None	0.01
	18-Aug-07	3.37	187.5	3.47	48	8.65	Clear	None	None	0.00
	10-Nov-07	6.48	136.3	2.66	86	7.13	Clear	None	None	0.00
	22-Mar-08	6.26	106.5	2.82	72	8.34	Clear	None	None	0.01
	21-May-08	6.32	166.3	2.91	87	9.11	Clear	None	None	-
	26-Aug-08	6.43	280.4	3.47	83	10.56	Clear	None	None	0.15
	22-Oct-08	6.49	250	2.09	77	7.60	Clear	None	None	0.09
SRK5D	24-Sep-04	5.84	289	2.90	59	10.79	Clear	None	None	0.23
	14-May-05	5.41	223	4.11	53	9.40	Clear	None	None	-
	18-Aug-05	5.60	137	4.01	46	9.96	Clear	None	None	0.00
	18-Aug-06	5.86	151.6	2.59	50	-	Clear	None	None	0.02
	27-Oct-06	-	-	-	-	-	-	-	-	-
	1-Mar-07	-	-	-	-	-	-	-	-	-
	12-May-07	-	-	-	-	-	-	-	-	-
	18-Aug-07	-	-	-	-	-	-	-	-	-
	22-Mar-08	-	-	-	-	-	-	-	-	-
	20-May-08	-	-	-	-	-	-	-	-	-
P-06-37S	3-Nov-06	6.28	250.7	3.01	106	9.83	-	-	-	0.07
	23-Mar-07	6.11	151.0	2.49	63	11.67	Clear	None	None	0.14
	15-May-07	6.31	104.2	3.35	64	8.51	Clear	None	None	0.01
	20-Aug-07	6.29	122.8	3.32	61	10.25	Clear	None	None	0.68
	17-Nov-07	6.26	155.1	2.14	112	13.06	Clear	None	None	-
	24-Mar-08	6.58	83.6	2.65	113	9.51	Clear	None	None	0.03
	25-May-08	5.72	176.9	2.61	124	9.65	Clear	None	Low	0.03
	28-Aug-08	6.30	150.1	3.07	112	9.36	Clear	None	Low	
	19-Oct-08	6.33	111.5	3.02	118	10.52	Clear	None	None	0.19
P-06-37M	3-Nov-06	6.22	229.9	3.01	93	4.11	Milky White / Clear	None	Low / None	0.03
	23-Mar-07	6.00	116.6	2.83	54	5.22	Clear	None	None	0.17
	15-May-07	6.06	96.7	3.50	54	3.79	Clear	None	None	0.01
	20-Aug-07	6.05	63.7	3.58	51	4.79	Clear	None	None	0.00
	17-Nov-07	6.13	141	2.04	96	5.06	Clear	None	None	-
	25-Mar-08	5.93	69.6	2.59	95	4.69	Clear	None	None	0.07
	24-May-08	6.06	121.1	3.15	101	4.92	Clear	medium (hydrogen sulfide)	None	0.04
	27-Aug-08	6.20	148.3	3.46	93	4.40	Clear	None	None	0.02
	19-Oct-08	6.04	123.4	2.88	100	4.91	Clear	Very strong hydrogen sulfide	None	0.19
P-06-37D	4-Nov-06	6.62	135.3	2.43	258	0.84	Clear	None	None	-
	23-Mar-07	7.00	-95.0	2.17	149	0.23	Clear	None	None	0.50
	15-May-07	6.96	-115.6	3.33	163	0.16	Clear	None	None	0.64
	20-Aug-07	6.81	-82.5	3.55	146	0.23	Clear	None	None	0.68
	17-Nov-07	6.58	-30.6	2.39	267	0.80	Clear	None	None	0.87
	25-Mar-08	6.60	-89.2	2.24	269	0.79	Clear	None	None	0.90
	24-May-08	6.75	-113.1	3.43	255	0.11	Clear	medium (hydrogen sulfide)	None	0.68
	27-Aug-08	7.21	-20.0	3.90	260	4.33	Clear	High (hydrogen sulfide)	None	0.68
	19-Oct-08	6.97	-121.7	2.82	277	0.74	Clear	Very stron hydrogen sulfide	None	0.69
P-06-38M	22-May-08	7.38	119	4.71	122	0.74	Tan	None	Very Turbid	
	27-Aug-08	7.32	94.4	7.54	119	2.04	Tan/Milky white	None	High/Silty	0.08
	21-Oct-08	7.64	114.6	1.43	122	1.50	Tan brown	None	High	0.13
P-06-38D	23-Aug-07	7.65	-131	7.15	117	0.23	Clear	None	None	0.21
	22-Mar-08	-	-	-	-	-	-	-	-	-
	17-May-08	-	-	-	-	-	-	-	-	-

APPENDIX 9.2B

Groundwater Analytical Data at Individual Well Locations, Mine Study Area 2004-2008

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
KP-P4																									
Sample Date																									
03/22/05		7.52	2.92	100		2.92	62.7	115	91.3	3.30	**0.785**	57	0.21			0.08		0.709	0.057	3.09	**0.00125**	**0.00125**	0.15		**0.0155**
05/14/05		7.37	4.04	112	90.7	4.04	54.7	115	70.0	1.00	5.50	55	0.33			0.043		0.727	0.057	2.49	**0.00125**	**0.00125**	0.18		**0.0155**
08/19/05		7.15	4.60	91	41	4.60	49.4	110	62.5	0.50	**2.50**	53.5	0.396			**0.018**		0.675	0.045	2.92	**0.00125**	**0.00125**	0.30		**0.0155**
11/07/05		7.53	2.07	188	279	2.07	49.3	115	62.5	2.60	**2.50**	61	0.139			**0.016**		0.664	0.067	1.49	**0.00125**	**0.0025**	0.11		**0.0356**
03/09/06		6.67	2.39	99	152	2.39	51.1	105	43.8	2.30	**3.00**	60.0	0.299			0.0110		0.685	0.0360	3.00	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/19/06		6.40	3.01	114	192.9	3.01	46.7	110	83.8	**0.075**	**2.50**	54.0	0.489			**0.0090**		0.692	0.0690	3.17	**0.00125**	**0.00125**	**0.155**		**0.0430**
08/19/06		6.64	3.57	104	158.5	3.57	48.9	100	87.5	**0.075**	**1.57**	54.0	0.337	**0.0155**	0.337	0.0150	**0.0155**	0.725	0.0750	3.18	**0.00075**	**0.00075**	**0.155**		**0.0155**
10/26/06		7.28	3.06	120	172.7	3.06	54.0	95.0	76.3	**0.300**	**1.57**	61.5	0.112	**0.0155**	0.112	0.0180	**0.0155**	0.686	0.102	1.50	**0.00075**	**0.00075**	**0.155**		**0.0500**
03/15/07		7.28	2.38	62	70.5	2.38	66.9	100	72.5	9.80	**3.25**	58.0	0.263	**0.0155**	0.253	0.0290	0.130	0.600	0.0420	2.83	**0.00075**	**0.00250**	0.390		**0.0155**
05/13/07		7.05	3.05	59	112.8	3.05	51.5	105	62.5	1.80	**3.75**	53.0	0.382			0.0107		0.759	0.0590	2.87	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/17/07		6.95	3.46	63	66.9	3.46	45.3	105	70.0	**0.600**	**5.25**	52.3	0.424			0.0100		0.606	0.0470	2.81	**0.00075**	**0.00075**	**0.155**		0.121
11/09/07		6.42	2.67	112	125.9	2.67	54.0	120	67.5	0.700	**1.57**	60.5	0.168			0.0199		0.593	0.0540	1.32	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/26/08		7.04	2.65	110	112.6	2.65	57.5	125	71.3	4.23	**1.57**	58.5	0.575			0.0669		0.609	0.0520	2.89	**0.00075**	**0.00150**	**0.155**		**0.0345**
05/21/08		6.61	2.90	107	162.7	2.90	46.4	114	66.3	0.50	**1.57**	53.5	0.650			**0.0053**		0.586	0.053	2.26	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0155**
08/26/08		7.30	3.38	103	193.4	3.38	47.0	111	108	0.745	**1.57**	54	0.463			0.0102		0.874	0.147	3.00	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/20/08		7.51	2.62	109	85.3	2.62	50.5	116	72.5	**0.0775**	**3.48**	56.8	0.315			**0.0057**		0.615	0.057	1.89	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
Mean		7.05	3.05	103	134.5	3	52.2	110	73.0	1.79	2.62	56.4	0.347	0.0155	0.234	0.0230	0.0537	0.675	0.064	2.54	0.00094	0.00120	0.177	0.133	0.0349
Median		7.10	2.97	106	125.9	3	50.8	111	70.7	0.72	2.50	55.9	0.334	0.0155	0.253	0.0155	0.0155	0.680	0.057	2.85	0.00075	0.00100	0.155	0.075	0.0250
St. Deviation		0.39	0.65	30	61.9	1	6	8	14.6	2.48	1.36	3.2	0.152	0	0.114	0.0219	0.0661	0.076	0.027	0.65	0.00025	0.00060	0.069	0.101	0.0276
# of values		16	16	16	15	16	16	16	16	16	16	16	16	3	3	16	3	16	16	16	16	16	16	3	16
Minimum		6.40	2.07	59	41	2.07	45.3	95.0	43.8	0.075	0.785	52.3	0.112	0.0155	0.112	0.0053	0.0155	0.586	0.036	1.32	0.00075	0.00075	0.11	0.075	0.0155
Maximum		7.53	4.60	188	279	4.60	66.9	125	108	9.80	5.50	61.5	0.650	0.0155	0.337	0.08	0.130	0.874	0.147	3.18	0.00125	0.0025	0.390	0.250	0.121
%of values undetected		0%	0%	0%	0%	0%	0%	0%	0%	19%	44%	0%	0%	100%	0%	0%	67%	0%	0%	0%	100%	94%	69%	100%	75%
# of values between MDL and MRL		0	0	0	0	0	0	0	0	2	8	0	0	0	0	5	0	0	14	0	0	1	5	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	4.25
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences		13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-01D																									
Sample Date																									
09/23/04		6.65	3.63	56	241	3.63	20.4	60	82.5	1.68	**3.50**	18	**0.5**			**0.05**		0.769	0.103	6.34	**0.00125**	**0.00125**	**0.35**		**0.0155**
10/22/04		6.69	3.63	62	246	3.63	20.8	60	51.3	1.20	**4.80**	**8**	**0.155**			**0.0155**		1.11	**0.0155**	7.76	**0.00125**	**0.00125**	**0.17**		**0.0155**
03/21/05		6.77	3.17	48		3.17	23.2	60	60.0	**0.075**	7.00	18	0.12			0.0443		0.885	0.043	7.82	**0.00125**	**0.00125**	**0.12**		**0.0155**
05/13/05		6.35	3.38	57	207	3.38	25.3	60	33.8	**0.075**	6.25	17	0.18			0.278		0.801	0.036	7.35	**0.00125**	**0.00125**	**0.23**		**0.0155**
08/17/05		6.51	4.47	52	125	4.47	22.1	60	56.3	0.80	**3.75**	20	**0.0935**			**0.014**		0.769	0.036	7.06	**0.0025**	**0.0025**	**0.25**		**0.033**
11/11/05		6.54	3.27	59	242	3.27	21.4	60	47.5	**0.075**	**3.00**	17.5	0.159			**0.018**		0.784	**0.0155**	7.44	**0.00125**	**0.00125**	**0.10**		**0.0155**
03/21/06		6.17	3.18	57	113	3.18	21.8	60.0	40.0	**0.200**	**4.50**	21.0	0.198			**0.0080**		0.777	**0.0155**	7.80	**0.00125**	**0.00125**	**0.155**		**0.0155**
05/22/06		5.87	3.49	52	286.5	3.49	18.8	65.0	40.0	**0.075**	**4.25**	20.0	0.240			0.0127		0.762	0.0460	7.34	**0.00250**	**0.00250**	**0.155**		**0.0500**
08/22/06		6.17	3.81	51	163.4	3.81	23.8	55.0	61.2	**0.075**	**4.50**	17.0	0.319	**0.0155**	0.290	0.0130	**0.05**	0.767	0.0480	7.53	**0.00075**	**0.00075**	**0.155**		**0.0155**
10/31/06		6.83	3.42	54	280.4	3.42	20.5	50.0	51.3	**0.075**	**4.75**	16.0	0.181	**0.0155**	0.169	0.0200	**0.05**	0.653	**0.0155**	6.99	**0.00075**	**0.00075**	**0.155**		**0.0626**
03/19/07		6.46	2.97	30	169.3	2.97	22.1	50.0	22.5	**0.075**	**1.57**	21.0	0.114	**0.0155**	0.104	0.0140	**0.05**	0.670	**0.0155**	6.85	**0.00250**	**0.00250**	**0.155**		**0.0155**
05/10/07		6.45	3.62	31	128.6	3.62	20.4	50.0	30.0	**0.200**	**1.57**	17.0	0.125			**0.0094**		0.818	0.0460	6.96	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/22/07		6.29	4.03	34	143.3	4.03	21.9	55.0	38.8	**0.075**	**3.50**	17.3	0.121			**0.0042**		0.685	0.0370	6.84	**0.00075**	**0.00075**	**0.155**		**0.0415**
11/13/07		5.83	3.26	53	266.3	3.26	21.2	50.0	57.5	**0.075**	**4.00**	17.6	0.132			0.0319		0.701	0.0360	7.05	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/21/08		6.83	2.95	47	32.1	2.95	19.4	64.1	48.8	**0.0765**	**5.44**	20.4	0.164			0.0142		0.702	0.0410	6.78	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/17/08		6.44	3.28	57	168.1	3.28	21.2	55.9	47.5	**0.400**	**1.57**	20.4	0.345			**0.0069**		0.636	0.037	6.99	**0.00250**	**0.00075**	**0.155**	**0.075**	**0.0155**
08/24/08		6.48	4.61	55	290.6	4.61	20.9	54.3	48.8	**0.079**	**3.78**	20.4	0.163			0.0146		0.577	0.036	7.11	**0.00250**	**0.00075**	**0.155**	**0.250**	**0.0155**
10/16/08		6.26	3.36	57	148.1	3.36	21.9	60.3	36.3	**0.076**	**3.52**	20.1	0.137			0.0149		0.776	0.070	6.48	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0155**
Mean		6.42	3.53	51	191.2	4	21.5	57.2	47.5	0.299	3.96	18.2	0.191	0.0155	0.188	0.0324	0.0500	0.758	0.038	7.14	0.00140	0.00120	0.171	0.133	0.0225
Median		6.46	3.40	54	169.3	3.00	21.3	60.0	48.2	0.076	3.89	18.0	0.161	0.0155	0.169	0.0144	0.0500	0.768	0.037	7.06	0.00125	0.00100	0.155	0.075	0.0155
St. Deviation		0.29	0.46	10	73.5	0	1.5	4.9	13.7	0.460	1.48	3.0	0.102	0	0.094	0.0625	0.0000	0.115	0.022	0.43	0.00073	0.00060	0.056	0.101	0.0144
# of values		18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	3	18	18	18	18	18	18	3	18
Minimum		5.83	2.95	30	32.1	2.95	18.8	50.0	22.5	0.075	1.57	8	0.0935	0.0155	0.104	0.0042	0.0500	0.577	0.0155	6.34	0.00075	0.00075	0.10	0.075	0.0155
Maximum		6.83	4.61	62	290.6	4.61	25.3	65.0	82.5	1.68	7.00	21.0	0.5	0.0155	0.290	0.278	0.0500	1.11	0.103	7.82	0.0025	0.0025	0.35	0.250	0.0626
%of values undetected		0%	0%	0%	0%	0%	0%	0%	0%	67%	17%	0%	11%	100%	0%	6%	100%	0%	28%	0%	100%	100%	67%	100%	83%
# of values between MDL and MRL		0	0	0	0	0	0	0	0	3	13	1	1	0	0	7	0	0	12	0	0	0	6	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.24
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences		61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
KP-P4																												
Sample Date																												
03/22/05	75.1	10.2	0.0391	0.0327	0.425	0.333	9.69	6.91	0.0107	**0.001495**	**0.003835**	**0.003835**	2.68	2.62	**0.003095**	**0.003095**	18500	13500	1.64	0.403	0.215	0.202	0.316	0.101	37.2	**2.86**	0.142	**0.0324**
05/14/05	86.9	2.19	0.0781	0.0804	0.317	0.373	6.44	6.18	**0.00531**	**0.001495**	**0.00786**	**0.003835**	2.46		**0.003095**	**0.003095**	15200	13900	8.56	1.85	0.0849	0.0444	0.319	0.117	59.5	11.3	0.146	0.146
08/19/05	44.5	3.34	0.0326	0.0278	**0.25**	**0.25**	5.37	5.04	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	13800	13900	1.46	0.935	0.0706	0.0568	0.324	0.194	48.7	**13.1**	**0.0556**	**0.0712**
11/07/05	21.5	3.1	0.0224	0.0288	**0.25**	**0.434**	5.16	5.42	**0.0075**	**0.0075**	**0.00155**	0.0104	**4.7**	**6.2**	**0.00775**	**0.00775**	14000	14100	1.65	0.986	0.048	0.0408	0.214	0.165	**16.3**	**10.9**	0.371	**0.0155**
03/09/06	143	**1.00**	**0.0422**	**0.0248**	**0.155**	**0.155**	6.79	5.35	0.0334	**0.0120**	**0.0250**	**0.0250**	**2.57**	**2.03**	**0.0125**	**0.0125**	14000	14800	2.27	1.07	0.104	0.0438	0.292	0.167	95.3	**10.0**	1.19	**0.0130**
05/19/06	7.56	2.24	**0.0428**	**0.0454**	**0.155**	**0.155**	5.08	5.42	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	13100	15100	1.61	0.714	0.0514	0.0510	0.334	0.163	**11.9**	**6.55**	**0.0432**	**0.0262**
08/19/06	5.43	**1.00**	**0.0330**	**0.0364**	0.545	**0.155**	5.23	5.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	13800	14300	2.21	0.977	0.0522	0.0500	0.308	0.217	**6.22**	**3.10**	**0.0500**	**0.0500**
10/26/06	18.5	3.37	**0.0075**	**0.0250**	**0.155**	**0.155**	6.51	5.69	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	14900	16100	3.97	2.56	0.0564	0.0536	0.272	0.230	40.6	23.1	**0.0500**	**0.0500**
03/15/07	9590	21.5	**0.0500**	**0.0250**	**0.955**	**0.321**	63.1	4.79	0.154	**0.0125**	**0.0150**	**0.0075**	**2.50**	**1.25**	**0.0444**	**0.0075**	17500	12100	5.90	0.893	3.62	0.0582	4.74	0.382	7360	53.4	1.78	**0.0500**
05/13/07	107	2.51	**0.0406**	**0.0264**	**0.155**	**0.155**	8.13	5.45	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	14100	13800	2.51	0.701	0.166	0.0364	15.7	3.07	140	37.9	0.191	**0.0500**
08/17/07	52.2	**1.00**	**0.0240**	**0.0250**	**0.155**	**0.356**	5.07	4.91	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12800	13100	1.96	0.683	0.0486	0.0314	27.6	5.81	55.1	**10.0**	**0.0155**	**0.0155**
11/09/07	35.5	**1.00**	**0.0295**	**0.0280**	**0.155**	**0.155**	6.29	5.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	15400	15500	2.36	1.52	0.0580	0.0316	8.76	2.44	80.0	43.8	**0.0155**	**0.0155**
03/26/08	119	**1.47**	**0.0247**	**0.0235**	**0.155**	**0.155**	7.28	5.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	15800	13500	3.04	0.504	0.0968	0.0350	92.0	2.22	153	65.2	**0.0603**	**0.0155**
05/21/08	8.27	**1.00**	**0.0173**	**0.0156**	**0.155**	**0.155**	4.94	5.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13100	13400	1.60	0.475	0.0325	0.0316	6.11	3.72	58.0	47.8	**0.0155**	**0.0155**
08/26/08	11.4	**1.00**	**0.0198**	**0.0190**	**0.155**	**0.155**	4.91	4.81	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13300	12900	2.10	0.401	0.0355	0.0265	5.06	3.55	57.3	47.8	**0.0155**	**0.0155**
10/20/08	30.9	**1.94**	**0.0250**	**0.0250**	**0.405**	**0.373**	5.22	4.91	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	14100	14200	1.86	0.816	0.0408	0.0265	5.62	2.90	63.2	33.3	**0.0155**	**0.0155**
Mean	647	3.62	0.0330	0.0306	0.284	0.240	9.70	5.41	0.0214	0.0104	0.0081	0.0079	1.78	1.71	0.0113	0.0090	14600	14000	2.79	0.968	0.299	0.0512	10.5	1.59	517.6	26.3	0.260	0.0373
Median	40.0	2.07	0.0311	0.0257	0.155	0.155	5.83	5.39	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	14100	13900	2.16	0.855	0.0572	0.0423	2.54	0.306	57.7	18.1	0.0528	0.0209
St. Deviation	2385	5.27	0.0163	0.0149	0.217	0.105	14.3	0.55	0.0359	0.0039	0.0054	0.005	0.99	1.31	0.0099	0.0044	1600	1000	1.91	0.576	0.887	0.0416	23.0	1.80	1825	20.5	0.499	0.0343
# of values	16	16	16	16	16	16	16	16	16	16	16	16	16	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Minimum	5.43	1.00	0.0075	0.0156	0.155	0.155	4.91	4.79	0.00531	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	12800	12100	1.46	0.401	0.0325	0.0265	0.214	0.101	6.22	2.86	0.0155	0.013
Maximum	9590	21.5	0.0781	0.0804	0.955	0.434	63.1	6.91	0.154	0.0125	0.025	0.025	4.7	6.2	0.0444	0.0185	18500	16100	8.56	2.56	3.62	0.202	92.0	5.81	7360	65.2	1.78	0.146
%of values undetected	0%	38%	19%	19%	69%	63%	0%	0%	75%	100%	94%	94%	75%	80%	94%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	44%	75%
# of values between MDL and MRL	0	2	9	9	2	4	0	0	1	0	1	0	2	2	1	0	0	0	0	0	0	0	0	0	3	4	3	3
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.153	0.143	NA	NA	10.98	10.56276	NA	NA	4.816	4.623	1000	1000	1.188	1.074
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	6%	6%	0%	13%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-01D																												
Sample Date																												
09/23/04	187	**12.5**	**0.0385**	**0.0385**	**0.264**	**0.279**	2.36	1.39	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**5.4**	**0.0155**	**0.0155**	6460	6920	1.05	**0.1**	0.115		0.245	0.202	88.6	**3.1**	**0.05**	**0.05**
10/22/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.41	1.58	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	6540	6550	0.508	**0.05**	**0.0155**	**0.0155**	**0.1**	0.308	**10**	**3.1**	**0.05**	**0.05**
03/21/05	2.85	0.453	0.0332	0.0264	0.193	0.192	1.3	1.55	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.71	1.45	**0.003095**	**0.003095**	7100	5800	1.3	0.325	**0.0185**	**0.0153**	0.22	0.102	**6.67**	**3.11**	**0.011**	**0.0368**
05/13/05	9	1.21	**0.01**	**0.01**	0.183	0.212	1.33	1.46	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.74		**0.003095**	**0.003095**	8020	6420	0.349	0.232	**0.0133**	**0.00476**	0.669	0.0888	**5.84**	**1.325**	**0.035**	**0.035**
08/17/05	95.1	2.13	0.0276	0.0292	**0.125**	**0.125**	2.62	1.47	**0.0075**	**0.0075**	0.015	**0.00155**	**5**	**3.2**	**0.00775**	**0.00775**	6880	7100	1.94	0.811	0.0746	0.0496	0.434	0.34	101	**13.8**	**0.0596**	**0.0654**
11/11/05	2.89	**1**	0.03	0.0206	**0.125**	**0.125**	1.41	1.44	**0.0075**	**0.0075**	0.0188	0.011	**1.55**	**3.4**	**0.00775**	**0.00775**	6710	7240	0.437	0.506	0.0224	0.024	0.186	0.215	**3.1**	**3.1**	**0.05**	**0.05**
03/21/06	3.40	2.13	**0.0274**	**0.0272**	**0.155**	**0.155**	1.50	1.45	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	7010	7500	0.827	0.310	0.0306	0.0274	0.268	0.137	**10.4**	**3.10**	1.17	**0.0130**
05/22/06	2.01	**1.00**	**0.0278**	**0.0075**	**0.365**	**0.155**	1.24	1.25	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	5790	5870	0.617	0.327	0.0310	0.0330	0.126	0.103	**3.10**	**3.10**	**0.0130**	**0.0352**
08/22/06	3.85	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.57	1.29	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7500	6890	0.320	**0.050**	0.0240	0.0244	0.360	0.176	**12.2**	**3.10**	0.275	**0.0500**
10/31/06	2.26	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.30	1.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6430	6570	**0.050**	**0.050**	**0.0065**	**0.0065**	0.242		**3.10**	**3.10**	0.149	**0.0500**
03/19/07	18.6	**1.00**	**0.0250**	**0.0250**	**0.367**	**0.155**	1.52	1.34	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6960	6500	0.956	0.360	0.0234	**0.0100**	0.217	0.169	30.5	**3.10**	**0.0500**	**0.0155**
05/10/07	3.39	**1.00**	**0.0296**	**0.0222**	**0.155**	**0.155**	1.30	1.09	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6330	5180	0.383	**0.050**	**0.0100**	**0.0100**	0.189	0.106	**3.10**	**3.10**	**0.0500**	**0.0500**
08/22/07	4.61	3.18	**0.0270**	**0.0322**	**0.155**	**0.155**	1.46	1.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6920	7150	0.430	0.497	**0.0126**	**0.0140**	0.313	0.365	**10.0**	**10.0**	**0.0500**	0.115
11/13/07	**1.00**	**1.00**	**0.0226**	**0.0234**	**0.155**	**0.155**	1.40	1.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6750	6450	0.315	0.219	**0.0100**	**0.0100**	0.135	0.150	**8.28**	**8.47**	**0.0155**	**0.0155**
03/21/08	21.7	**1.00**	**0.0170**	**0.0188**	**0.155**	**0.155**	1.40	1.24	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6170	6330	0.868	0.309	0.0220	**0.0138**	0.208	0.149	41.9	21.4	**0.0502**	**0.0155**
05/17/08	**1.00**	3.37	**0.0075**	**0.0075**	**0.155**	**0.155**	1.32	1.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6720	6460	0.579	0.233	**0.0134**	**0.0050**	0.170	0.126	**19.0**	**16.6**	**0.0155**	**0.0155**
08/24/08	**1.00**	**1.00**	**0.0197**	**0.0075**	**0.155**	**0.155**	1.40	1.29	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6560	6880	1.03	**0.100**	**0.0149**	**0.0104**	0.628	0.164	24.1	**15.8**	**0.0155**	**0.0155**
10/16/08	**1.10**	**1.15**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.32	1.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6830	6840	0.42	0.250	**0.0050**	**0.0104**	0.164	0.165	**16.0**	**15.9**	**0.0155**	**0.0155**
Mean	20.7	2.65	0.0220	0.0198	0.183	0.162	1.51	1.37	0.0101	0.0101	0.0916	0.0904	1.51	1.71	0.00971	0.00971	6760	6590	0.688	0.270	0.0257	0.0167	0.271	0.18	22.0	7.5	0.118	0.0385
Median	3.40	1.00	0.0260	0.0214	0.155	0.155	1.40	1.37	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6740	6560	0.544	0.240	0.017	0.0138	0.219	0.164	10.2	3.1	0.050	0.0360
St. Deviation	46.9	3.67	0.0110	0.0111	0.073	0.036	0.37	0.12	0.0038	0.0038	0.2396	0.2400	0.91	1.19	0.00467	0.00467	490	570	0.451	0.200	0.0271	0.0117	0.16	0.083	28.5	6.4	0.270	0.0257
# of values	18	18	18	18	18	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18	18	17	18	17	18	18	18	18
Minimum	1.00	0.453	0.0075	0.0075	0.125	0.125	1.24	1.09	0.001495	0.001495	0.003835	0.00155	0.75	0.75	0.003095	0.003095	5790	5180	0.050	0.050	0.005	0.00476	0.1	0.0888	3.1	1.325	0.011	0.013
Maximum	187	12.5	0.0385	0.0385	0.367	0.279	2.62	1.58	0.0125	0.0125	0.75	0.75	5	5.4	0.0185	0.0185	8020	7500	1.94	0.811	0.115	0.0496	0.669	0.365	101	21.4	1.17	0.115
%of values undetected	22%	56%	44%	56%	72%	83%	0%	0%	100%	100%	89%	94%	89%	76%	100%	100%	0%	0%	6%	33%	22%	35%	6%	0%	33%	61%	72%	78%
# of values between MDL and MRL	1	2	7	5	3	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	6	6	0	0	7	6	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.080	0.078	NA	NA	10.98	10.56276	NA	NA	2.288	2.197	1000	1000	0.392	0.404
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location / Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
KP-P4																												
Sample Date																												
03/22/05	4000	3270	3.39	1.96	0.100	0.0315	0.338		0.784	0.56	341	316	0.0515	0.0468	5630	0.001435	0.001435	3490	2850	0.0112	0.002125	0.0701	0.0302	1.15	1.01	3.74	3.22
05/14/05	4070	3250	2.71	1.95	0.0315	0.0315	0.405	0.405	3.8	2.4	319	324	0.0342	0.0351	6480	0.001435	0.001435	3310	2730	0.002125	0.002125	0.152	0.0302	1.1	0.975	0.2345	0.50
08/19/05	3640	3600	2.15	1.53	0.031	0.031	0.27	0.239	1.72	1.45	322	330	0.0775	0.0775	7060	0.0031	0.0031	3170	3130	0.0031	0.0031	0.031	0.031	1.26	1.1	0.75	0.75
11/07/05	3500	3960	1.6	1.35	0.031	0.031	0.274	0.308	1.16	1	338	372	0.0775	0.0775	6690	0.0031	0.0031	3520	3990	0.0031	0.0031	0.031	0.031	1.19	1.44	0.75	0.75
03/09/06	3940	4050	4.11	0.787	0.000475	0.000475	0.335	0.218	1.48	1.08	324	380	0.155	0.155	5400	0.00310	0.00310	3280	3250	0.0162	0.00250	0.0155	0.0155	0.899	0.110	2.35	
05/19/06	3430	3990	0.727	0.531	0.000475	0.000475	0.213	0.249	1.18	1.06	296	353	0.155	0.155	6680	0.00310	0.00310	2880	3430	0.00250	0.00250	0.0155	0.0155	1.05	1.14	0.554	0.583
08/19/06	3500	3540	0.664	0.497	0.000475	0.000475	0.245	0.244	1.22	1.03	313	323	0.155	0.155	6430	0.00310	0.00310	3150	3210	0.00500	0.00500	0.0500	0.0500	0.977	1.04	0.500	1.18
10/26/06	4090	4230	1.04	0.543	0.000991	0.000475	0.403	0.434	1.93	1.85	362	376	0.155	0.155	6630	0.00310	0.00310	3990	3850	0.00500	0.00500	0.0500	0.0500	0.968	0.694	0.155	0.500
03/15/07	5660	2970	173	1.14	0.000169	0.000475	0.141		5.05	1.99	562	265	0.310	0.155	4970	0.00620	0.00310	4100	2460	0.0100	0.00500	0.100	0.0500	15.4	1.03	12.9	1.65
05/13/07	3940	3770	7.45	0.441	0.000169	0.000475	0.249	0.258	1.91	1.38	339	322	0.155	0.155	6560	0.00310	0.00310	3330	3260	0.00500	0.00500	0.282	0.0500	0.793	0.526	1.01	0.500
08/17/07	3280	3420	1.17	0.249	0.000169	0.000475	0.234	0.243	1.03	0.917	293	296	0.155	0.155	6580	0.00310	0.00310	2900	3020	0.00500	0.00500	0.453	0.0500	0.994	0.991	0.500	0.500
11/09/07	3790	3890	1.28	0.263	0.000169	0.000475	0.317	0.342	1.46	1.25	363	352	0.155	0.155	6400	0.00310	0.00310	3370	3480	0.00500	0.00500	0.0500	0.0500	1.37	1.16	0.500	1.63
03/26/08	4400	3930	4.06	0.234	0.000750	0.000750	0.277	0.243	2.10	1.06	367	316	0.155	0.155	6640	0.00310	0.00310	3750	3360	0.00500	0.00500	0.113	0.0500	1.18	0.938	0.928	0.360
05/21/08	3330	3340	0.386	0.224	0.000750	0.000750	0.233	0.245	1.01	0.891	308	304	0.155	0.155	6350	0.00310	0.00310	2910	2950	0.00500	0.00500	0.0500	0.0500	0.940	0.980	0.500	0.500
08/26/08	3360	3280	0.636	0.218	0.000750	0.000750	0.242	0.238	1.26	0.838	298	291	0.155	0.155	5930	0.00310	0.00310	2960	2860	0.00500	0.00500	0.0500	0.0500	0.808	0.798	0.155	0.155
10/20/08	3750	3760	0.957	0.208	0.000750	0.000750	0.297	0.284	1.21	0.979	337	327	0.155	0.155	6370	0.00310	0.00310	3280	3290	0.00500	0.00500	0.0500	0.0500	0.969	1.02	1.22	0.500
Mean	3860	3640	12.8	0.758	0.0125	0.0082	0.280	0.282	1.77	1.23	343	328	0.141	0.131	6300	0.00309	0.00289	3340	3200	0.00583	0.00409	0.0977	0.0408	1.94	0.930	1.67	0.885
Median	3770	3680	1.44	0.514	0.0008	0.0006	0.272	0.247	1.36	1.06	331	324	0.155	0.155	6460	0.00310	0.00310	3300	3230	0.00500	0.00500	0.0500	0.0500	1.02	1.00	0.652	0.500
St. Deviation	580	360	42.8	0.626	0.0264	0.0137	0.069	0.067	1.12	0.48	63	32	0.062	0.044	550	0.00101	0.00057	370	390	0.00365	0.00124	0.116	0.0130	3.59	0.30	3.13	0.779
# of values	16	16	16	16	16	16	16	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15
Minimum	3280	2970	0.386	0.208	0.000169	0.0004745	0.141	0.218	0.784	0.56	293	265	0.0342	0.0351	4970	0.001435	0.001435	2880	2460	0.002125	0.002125	0.0155	0.0155	0.793	0.110	0.155	0.155
Maximum	5660	4230	173	1.96	0.100	0.0315	0.405	0.434	5.05	2.4	562	380	0.310	0.155	7060	0.0062	0.00310	4100	3990	0.0162	0.00500	0.453	0.0500	15.4	1.44	12.9	3.22
%of values undetected	0%	0%	0%	0%	94%	100%	0%	0%	0%	0%	0%	0%	88%	88%	0%	100%	100%	0%	0%	88%	100%	69%	100%	0%	6%	56%	60%
# of values between MDL and MRL	0	0	0	0	1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	3	0	7	6	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	27.11	27.02	NA	NA	5	4.6	NA	1.0724339	0.912	NA	NA	NA	NA	NA	NA	NA	NA	62.20	61.33
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-01D																												
Sample Date																												
09/23/04	1050	1110	2.34	1.15	0.136		0.484	0.512	0.652	0.419	241	261	0.155	0.155	6540	0.0031	0.0031	2300	2420	0.0125	0.0125	0.155	0.155	0.533	0.371	0.515	1.28
10/22/04	1090	1040	1.41	1.2	0.031	0.031	0.468	0.485	0.3	0.268	243	236	0.155	0.155	5930	0.0031	0.0031	2280	2360	0.0125	0.0125	0.155	0.155	0.125	0.2	0.75	0.75
03/21/05	1340	1100	0.429	0.393	0.0315	0.0315	0.465	0.496	0.682	0.515	236	219	0.161	0.137	5450	0.00324	0.001435	2450	1960	0.0295	0.002125	0.0302	0.0302	0.35	0.291	0.2345	
05/13/05	1290	1080	0.321	0.243	0.0315	0.0315	0.384	0.466	0.885	0.246	222	231	0.132	0.13	6170	0.001435	0.001435	2440	1920	0.002125	0.002125	0.0302	0.0302	0.275	0.251	0.50	0.50
08/17/05	1180	1290	2.49	0.379	0.031	0.031	0.545		1.16	1.05	258	276	0.0775	0.312	5580	0.0031	0.0031	2470	2770	0.0066	0.0031	0.031	0.0812	0.628	0.288	0.75	0.75
11/11/05	1140	1230	0.25	0.1	0.031	0.031	0.47	0.421	0.457	0.487	240	260	0.162	0.0775	6760	0.0031	0.0031	2450	2670	0.0092	0.0031	0.031	0.031	0.311	0.388	0.75	0.75
03/21/06	1040	1090	5.05	0.604	0.000475	0.000475	0.353	0.344	0.483	0.386	252	260	0.155	0.155	5790	0.00310	0.00310	2210	2360	0.00250	0.00250	0.05000	0.0155	0.110	0.110	2.67	1.05
05/22/06	1060	1070	0.215	0.161	0.00124	0.00111	0.428	0.390	0.313	0.282	212	219	0.155	0.155	5770	0.00310	0.00310	2300	2330	0.00540	0.00250	0.0155	0.0155	0.368	0.285	0.250	0.250
08/22/06	1220	1110	0.311	0.175	0.000475	0.000475	0.448	0.414	0.540	0.475	286	253	0.155	0.155	6550	0.0174	0.00310	2570	2360	0.00500	0.00500	0.0500	0.0500	0.250	0.250	4.68	1.41
10/31/06	1080	1080	0.161	0.117	0.000475	0.000475	0.425	0.428	0.315	0.252	226	226	0.155	0.155	5590	0.00310	0.00310	2330	2310	0.00500	0.00500	0.0500	0.0500	0.745	0.935	0.500	0.155
03/19/07	1140	1060	0.570	0.176	0.000169	0.000475	0.463	0.457	0.606	0.514	232	219	0.155	0.155	5800	0.00310	0.00310	2450	2310	0.00500	0.00500	0.0500	0.0500	0.686	0.155	1.49	0.500
05/10/07	1120	938	0.157	0.131	0.000169	0.000475	0.451	0.361	0.399	0.295	228	184	0.155	0.155	4940	0.00310	0.00310	2460	2050	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	0.500
08/22/07	1130	1120	0.210	0.211	0.000504	0.000475	0.462	0.464	0.266	0.359	242	246	0.155	0.155	6090	0.00310	0.00310	2580	2460	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.13	
11/13/07	1050	1000	0.114	0.113	0.000169	0.000475	0.476	0.445	0.273	0.260	246	236	0.155	0.155	5960	0.00310	0.00310	2290	2180	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.12	0.500
03/21/08	980	1010	0.717	0.158	0.00314	0.000750	0.453	0.457	0.536	0.475	212	213	0.155	0.155	5680	0.00310	0.00310	2130	2200	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.155	0.850
05/17/08	1070	1060	0.136	0.109	0.000750	0.000750	0.453	0.438	0.307	0.308	234	215	0.155	0.155	5790	0.00310	0.00310	2340	2270	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	0.500
08/24/08	1100	1100	0.160	0.114	0.000750	0.000750	0.472	0.457	0.567	0.364	226	228	0.155	0.359	5860	0.00310	0.00310	2360	2370	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	0.500
10/16/08	1170	1180	0.108	0.125	0.000750	0.000750	0.455	0.450	0.342	0.354	229	228	0.155	0.155	6210	0.00310	0.00310	2500	2530	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	1.76
Mean	1130	1090	0.842	0.314	0.016726	0.009614	0.453	0.440	0.505	0.406	237	234	0.150	0.168	5910	0.00381	0.00290	2380	2320	0.00724	0.00503	0.0554	0.0563	0.304	0.256	1.03	0.750
Median	1110	1090	0.281	0.168	0.000750	0.000750	0.459	0.450	0.470	0.362	235	230	0.155	0.155	5830	0.00310	0.00310	2400	2350	0.00500	0.00500	0.0500	0.0500	0.203	0.178	0.51	0.625
St. Deviation	90	80	1.281	0.339	0.032847	0.014364	0.040	0.045	0.236	0.186	17	22	0.019	0.064	430	0.00341	0.00050	120	220	0.00622	0.00296	0.0377	0.0390	0.208	0.188	1.13	0.433
# of values	18	18	18	18	18	17	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
Minimum	980	938	0.108	0.1	0.000169	0.0004745	0.353	0.344	0.266	0.246	212	184	0.0775	0.0775	4940	0.001435	0.001435	2130	1920	0.002125	0.002125	0.0155	0.0155	0.110	0.110	0.155	0.155
Maximum	1340	1290	5.05	1.2	0.136	0.0315	0.545	0.512	1.16	1.05	286	276	0.162	0.359	6760	0.0174	0.00310	2580	2770	0.0295	0.0125	0.155	0.155	0.745	0.935	4.68	1.76
%of values undetected	0%	0%	0%	6%	78%	94%	0%	0%	0%	0%	0%	0%	83%	78%	0%	89%	100%	0%	0%	78%	100%	100%	94%	56%	61%	67%	69%
# of values between MDL and MRL	0	0	0	0	4	1	2	2	0	0	0	0	1	2	0	2	0	0	0	3	0	0	1	4	5	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	12.98	12.94	NA	NA	5	4.6	NA	0.2398532	0.204	NA	NA	NA	NA	NA	NA	NA	NA	29.74	29.32
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	33%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-01M																									
Sample Date																									
09/24/04	7.09	4.34	56	214	4.34	20.2	60	52.5	0.632	**1.57**	17.5	1.3			**0.0155**		0.867	**0.05**	5.32	**0.0027**	**0.00125**	**0.14**		**0.0155**
10/29/04	6.70	3.23	77	200	3.23	20.1	60	41.3	5.00	**1.57**	20	**0.33**			**0.05**		0.922	**0.0155**	5.8	**0.00125**	**0.0028**	**0.21**		**0.0155**
03/21/05	12.29	2.99	37		2.99	22.8	55	55.0	**0.075**	9.00	17	**0.09**			0.0371		0.821	**0.041**	6.75	**0.00125**	**0.00125**	**0.074**		**0.046**
05/13/05	5.95	3.19	54	242	3.19	23.8	55	36.2	**0.075**	6.25	17	0.18			0.16		0.77	**0.036**	6.0	**0.00125**	**0.00125**	**0.16**		**0.0155**
08/17/05	6.17	4.51	49	158	4.51	21.1	60	50.0	**0.200**	5.25	17.5	**0.0865**			**0.011**		0.754	**0.0155**	5.82	**0.00125**	**0.00125**	**0.20**		**0.0155**
11/11/05	6.14	3.27	52	250	3.27	20.2	60	51.3	**0.075**	5.13	16	0.147			**0.014**		0.731	**0.038**	6.41	**0.00125**	**0.00125**	**0.092**		**0.0155**
03/22/06	6.36	3.17	51	271	3.17	19.9	20.0	42.5	**0.075**	5.50	14.0	**0.0640**			**0.0060**		0.748	**0.0155**	7.02	**0.00250**	**0.00250**	**0.155**		**0.0155**
05/22/06	6.19	3.18	46	270.1	3.18	19.2	49.0	32.5	**0.075**	6.50	20.0	0.409			**0.0070**		0.737	**0.0430**	4.82	**0.00125**	**0.00125**	**0.155**		**0.0500**
08/22/06	6.12	3.63	46	154.9	3.63	19.1	46.0	48.8	**0.075**	**3.75**	20.0	0.166	**0.0155**	0.145	**0.0060**	**0.0155**	0.732	**0.0990**	4.87	**0.00250**	**0.00250**	**0.155**		**0.0780**
10/31/06	6.61	3.42	51	279.7	3.42	19.3	50.0	37.5	**0.075**	**6.00**	15.0	0.110	**0.0155**	0.103	0.0130	**0.05**	0.685	**0.0155**	6.04	**0.00075**	**0.00075**	**0.155**		**0.0629**
03/19/07	6.31	2.98	29	222.3	2.98	20.2	50.0	36.3	**0.075**	**1.57**	14.0	0.138	**0.0155**	0.135	0.0200	**0.0155**	0.698	**0.0155**	6.53	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/10/07	6.23	3.44	29	204.6	3.44	20.3	45.0	**6.25**	**0.075**	**3.50**	17.0	0.124			**0.0072**		0.807	**0.0470**	6.09	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/22/07	6.18	3.74	31	209.1	3.74	20.8	50.0	37.5	**0.300**	**3.50**	17.5	0.102			**0.00155**		0.646	**0.0390**	4.37	**0.00075**	**0.00075**	**0.155**		**0.0381**
11/12/07	7.26	3.24	47	170.9	3.24	19.4	50.0	58.8	**0.300**	**4.00**	17.5	0.140			0.0670		0.680	**0.0350**	4.99	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/21/08	6.40	3.23	46	13.7	3.23	20.7	59.4	38.8	0.505	**6.16**	18.3	0.109			0.0267		0.690	**0.0370**	6.25	**0.00075**	**0.00280**	**0.155**		**0.0500**
05/17/08	6.35	3.15	53	200.8	3.15	19.7	52.3	46.3	**0.0755**	150	20.6	0.129			**0.0071**		0.695	**0.036**	5.30	**0.00250**	**0.00075**	**0.155**	**0.075**	**0.0155**
08/24/08	6.18	4.14	50	172.9	4.14	19.7	50.1	38.8	**0.0765**	**4.86**	20.3	0.148			0.0125		0.688	**0.047**	5.09	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/15/08	6.26	3.44	49	141.6	3.44	19.9	55.8	31.3	**0.076**	**4.12**	20.1	0.125			**0.00155**		0.634	**0.044**	4.55	**0.00075**	**0.00250**	**0.155**	**0.075**	**0.0155**
Mean	6.71	3.46	47	198.6	3	20.4	51.5	41.2	0.436	12.7	17.7	0.217	0.0155	0.128	0.0257	0.027	0.739	0.037	5.67	0.00132	0.00144	0.152	0.133	0.0303
Median	6.29	3.26	49	204.6	3	20.2	51.2	40.1	0.075	5.00	17.5	0.134	0.0155	0.135	0.0128	0.0155	0.732	0.038	5.81	0.00125	0.00125	0.155	0.075	0.0155
St. Deviation	1.43	0.45	11	63.7	0	1.2	9.3	11.8	1.151	34.3	2.1	0.283	0	0.022	0.0378	0.0199	0.076	0.020	0.78	0.00072	0.00079	0.030	0.101	0.0206
# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	3	18	18	18	18	18	18	3	18
Minimum	5.95	2.98	29	13.7	2.98	19.1	20.0	6.25	0.075	1.57	14.0	0.064	0.0155	0.103	0.00155	0.0155	0.634	0.0155	4.37	0.00075	0.00075	0.074	0.075	0.0155
Maximum	12.29	4.51	77	279.7	4.51	23.8	60.0	58.8	5.00	150	20.6	1.3	0.0155	0.145	0.16	0.0500	0.922	0.099	7.02	0.0027	0.0028	0.21	0.250	0.0780
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	67%	17%	0%	0%	100%	0%	17%	100%	0%	33%	0%	94%	89%	67%	100%	78%
# of values between MDL and MRL	0	0	0	0	0	0	0	1	3	8	0	4	0	0	8	0	0	12	0	1	2	6	0	4
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	2.38
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-01S																									
Sample Date																									
09/25/04	5.94	6.36	23	282	6.36	5.54	20	55.0	3.05	**3.50**	**5.5**	**0.155**			**0.0155**		0.89	**0.0155**	2.07	**0.0026**	**0.00125**	**0.57**		**0.0155**
10/29/04	5.66	5.23	20	229	5.23	5.10	17	20.0	4.20	**6.00**	**5**	**0.155**			**0.07**		0.441	**0.0155**	1.81	**0.0045**	**0.00125**	**0.24**		**0.0155**
05/13/05	5.16	1.91	15	235	1.91	5.64	17	15.0	35.9	11.6	**3.5**	0.22			0.246		0.805	**0.0155**	1.11	**0.00125**	**0.00125**	**0.21**		**0.0155**
08/17/05	5.29	6.78	15	153	6.78	4.46	17	20.0	**0.075**	7.00	**4**	0.182			**0.013**		0.871	**0.0155**	1.7	**0.00125**	**0.00125**	**0.26**		**0.0155**
11/11/05	4.99	4.89	17	298	4.89	4.90	17	22.5	8.90	9.50	**4**	0.2			0.026		0.831	**0.0155**	1.69	**0.00125**	**0.00125**	**0.12**		**0.0155**
03/21/06	5.82	2.26	26	145	2.26	9.44	22.0	10.0	3.40	7.50	**9.00**	0.113			**0.0080**		0.755	**0.0155**	2.21	**0.00125**	**0.00125**	**0.155**		**0.0430**
05/22/06	4.94	1.97	11	345.4	1.97	2.36	12.5	**8.80**	1.10	7.50	**1.55**	0.306			**0.0050**		1.09	**0.0155**	1.01	**0.00125**	**0.00125**	**0.155**		**0.0500**
08/22/06	5.85	4.70	19	206.4	4.70	4.58	19.0	25.0	0.600	11.3	**1.55**	0.464	**0.0340**	0.430	**0.0080**	**0.0155**	1.01	**0.0155**	1.29	**0.00075**	**0.00075**	**0.155**		**0.0370**
10/31/06	6.88	4.69	15	335.2	4.69	3.12	14.0	11.3	**0.400**	**9.50**	**1.55**	0.281	**0.0155**	0.271	**0.0070**	**0.0155**	0.836	**0.0155**	1.03	**0.00075**	**0.00075**	**0.155**		0.102
03/19/07	5.59	2.28	16	203.7	2.28	11.1	28.0	11.3	**0.200**	**1.57**	**9.00**	**0.0985**	**0.0155**	**0.0910**	0.0120	**0.0155**	0.731	**0.0155**	2.12	**0.00075**	**0.00250**	**0.155**		**0.0155**
05/10/07	4.76	1.92	7	201.5	1.92	3.29	12.0	**1.55**	**0.075**	**3.25**	**1.55**	0.143			**0.0050**		0.850	**0.0155**	1.28	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/22/07	5.27	4.35	11	196.3	4.35	5.83	18.0	11.3	**0.075**	**6.50**	**4.98**	0.178			**0.00155**		0.625	**0.0155**	1.53	**0.00075**	**0.00075**	**0.155**		**0.0389**
11/13/07	5.66	3.78	15	273.7	3.78	3.92	15.0	15.0	**0.150**	**7.50**	**3.66**	0.180			0.0137		0.627	**0.0155**	1.37	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/21/08	5.09	1.99	22	193.5	1.99	9.55	29.0	16.3	1.11	**9.38**	**9.32**	0.107			0.0207		0.618	**0.0155**	2.06	**0.00075**	**0.00280**	**0.155**		**0.0155**
05/17/08	5.03	1.46	12	266.3	1.46	2.75	10.9	22.5	**0.075**	**1.57**	**1.55**	0.151			0.0200		0.734	**0.0680**	1.26	**0.00250**	**0.00075**	**0.155**	**0.250**	**0.0155**
08/24/08	5.51	5.19	15	422.6	5.19	7.00	26.1	32.5	158	**7.62**	**8.84**	**0.0100**			0.136		0.588	**0.0155**	1.68	**0.00250**	**0.00075**	**0.155**	0.718	**0.0155**
10/16/08	4.96	5.19	17	193.8	5.19	4.55	16.1	**8.75**	**0.0805**	**6.44**	**5.16**	0.147			**0.00155**		0.487	**0.0155**	1.37	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0155**
Mean	5.44	3.82	16	245.9	3.8	5.48	18.3	18.0	12.8	6.90	4.69	0.182	0.0217	0.264	0.0358	0.0155	0.752	0.0186	1.56	0.00143	0.00118	0.192	0.348	0.0269
Median	5.29	4.35	15	229	4.35	4.90	17	15.0	0.60	7.50	4.00	0.155	0.0155	0.271	0.0130	0.0155	0.755	0.0155	1.53	0.00125	0.00125	0.155	0.250	0.0155
St. Deviation	0.52	1.74	5	73.6	1.7	2.49	5.3	12.1	38.4	3.02	2.85	0.1	0.0107	0.170	0.0635	0	0.174	0.0127	0.39	0.00103	0.00061	0.104	0.332	0.0227
# of values	17	17	17	17	17	17	17	17	17	17	17	17	3	3	17	3	17	17	17	17	17	17	3	17
Minimum	4.76	1.46	7	145	1.46	2.36	10.9	1.55	0.075	1.57	1.55	0.0100	0.0155	0.091	0.00155	0.0155	0.441	0.0155	1.01	0.00075	0.00075	0.12	0.075	0.0155
Maximum	6.88	6.78	26	422.6	6.78	11.1	29.0	55.0	158	11.6	9.32	0.464	0.0340	0.430	0.246	0.0155	1.09	0.068	2.21	0.0045	0.00280	0.57	0.718	0.102
%of values undetected	0%	0%	0%	0%	0%	0%	0%	6%	35%	12%	29%	18%	67%	0%	24%	100%	0%	94%	0%	88%	94%	71%	67%	76%
# of values between MDL and MRL	0	0	0	0	0	0	0	2	2	9	12	1	1	1	6	0	0	1	0	2	1	5	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.90
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-01M																												
Sample Date																												
09/24/04	77.3	**3.9**	**0.0385**	**0.0385**	**0.125**	**0.125**	2.26	1.34	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**4.1**	**0.0475**	**0.0434**	6680	6780	1.25	0.421	0.108		0.571	**0.129**	54.5	**3.1**	0.244	**0.05**
10/29/04	370	**3.9**	**0.0951**	**0.0385**	**0.25**	**0.125**	5.43	1.59	**0.0075**	**0.0242**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0702**	**0.0492**	6520	6540	0.631	**0.05**	0.26	0.105	11.1	0.275	1170	**3.1**	0.895	**0.161**
03/21/05	2.01		0.0881		0.216	0.203	1.92	1.68	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.6	1.64	0.0254	0.0224	7250	5860	1.08	0.337	0.0944	0.11	17	3.28	14.6	**6.64**	**0.0354**	0.0834
05/13/05	3.89		0.0585	0.0436	0.205	0.203	2.02	2.03	**0.00953**	**0.001495**	**0.003835**	**0.003835**	2.04		0.045	**0.0165**	7840	6380	0.774	**0.192**	0.0564	**0.0266**	0.272	0.127	**6.72**	**1.325**	0.0734	0.114
08/17/05	2	2.15	**0.00155**	0.013	**0.25**	**0.125**	1.89	1.27	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6850	6580	1.22	**0.031**	0.057	0.0354	0.302	0.175	**12.6**	**3.1**	**0.0155**	**0.0155**
11/11/05	8.66	**1**	0.0648	0.0496	**0.309**	**0.294**	1.76	1.61	**0.0075**	**0.0075**	0.0156	0.0112	**3.8**	**1.55**	**0.0494**	**0.00775**	6550	6580	1.1	0.408	0.048	0.0396	0.469	0.367	**11.3**	**3.1**	**0.05**	**0.0155**
03/22/06	3.10	2.69	0.0664	0.0524	**0.155**	**0.155**	1.90	1.99	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	6490	6440	2.46	0.351	0.0608	0.0368	1.42	1.30	21.0	**11.5**	4.00	0.248
05/22/06	2.69	**1.00**	0.0578	0.0516	**0.155**	**0.155**	1.66	1.72	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**1.56**	**0.0125**	**0.0125**	6260	6430	1.85	0.259	0.0510	0.0344	1.13	0.861	**10.3**	**3.10**	**0.0250**	**0.0250**
08/22/06	2.14	**1.00**	0.127	0.130	**0.155**	**0.155**	1.64	1.49	**0.0125**	**0.0125**	**0.0075**	**0.0220**	**1.25**	**1.25**	**0.0185**	**0.0185**	6250	5810	2.42	0.370	0.0466	0.0264	2.79	1.94	**3.10**	**3.10**	**0.0155**	**0.0155**
10/31/06	**1.00**	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	1.74	1.69	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6300	6460	3.76	**0.050**	0.0450	0.0226	4.36	3.26	22.0	**3.10**	**0.0155**	**0.0155**
03/19/07	**1.00**	**1.00**	0.0706	0.0552	**0.155**	**0.155**	1.99	1.74	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0168**	**0.0162**	6580	6550	4.36	0.346	0.0680	0.0338	19.6	15.7	35.3	**3.10**	**0.0155**	
05/10/07	**1.00**	**1.00**	**0.0490**	**0.0374**	**0.155**	**0.155**	1.70	1.76	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6520	7170	3.18	0.320	0.0422	0.0246	4.98	4.15	**10.0**	**10.0**	**0.0500**	**0.0155**
08/22/07	79.8	**1.00**	0.0648	**0.0368**	**0.155**	**0.155**	2.28	1.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6830	6860	2.25	0.544	0.0604	0.0240	22.6	7.35	110	**10.0**	0.257	**0.0500**
11/12/07	10.3	**1.00**	0.0764	0.0646	**0.155**	**0.155**	1.89	1.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0160**	**0.0075**	6350	6690	1.51	0.324	0.0386	0.0320	14.8	11.0	44.5	**10.5**	0.171	**0.0155**
03/21/08	23.1	**1.89**	0.0806	0.0617	**0.155**	**0.155**	1.93	1.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0156**	**0.0075**	6740	6690	0.680	0.411	0.0434	0.0346	31.0	23.0	113	24.4	0.355	0.110
05/17/08	**1.00**	**1.00**	**0.0270**	**0.0240**	**0.155**	**0.155**	1.57	1.65	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6450	6610	0.702	**0.185**	**0.0166**	**0.0158**	8.25	7.48	**19.3**	20.1	**0.0155**	**0.0155**
08/24/08	**1.00**	**1.00**	**0.0350**	**0.0208**	**0.155**	**0.355**	1.79	1.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6370	6630	0.641	**0.100**	0.309	**0.0128**	11.4	11.4	23.8	**15.4**	**0.0155**	**0.0155**
10/15/08	**1.10**	**0.925**	**0.0250**	**0.0250**	**0.155**	**0.155**	1.59	1.57	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6440	6520	1.78	0.205	0.0229	**0.0167**	6.92	6.19	**19.5**	**16.6**	**0.0155**	**0.0155**
Mean	32.8	1.59	0.0584	0.0452	0.179	0.174	2.05	1.68	0.0106	0.0110	0.0907	0.0912	1.45	1.48	0.0218	0.0154	6630	6530	1.76	0.272	0.0794	0.0371	8.83	5.44	94.5	8.4	0.348	0.0577
Median	2.40	1.00	0.0617	0.0385	0.155	0.155	1.89	1.69	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0158	0.0101	6520	6570	1.38	0.322	0.0537	0.0320	5.95	3.27	20.3	4.9	0.0427	0.0155
St. Deviation	87.6	1.04	0.0302	0.0264	0.048	0.059	0.87	0.19	0.0031	0.0049	0.2399	0.2397	0.66	0.71	0.0185	0.0123	390	310	1.12	0.147	0.0781	0.0276	9.03	6.35	270	6.9	0.937	0.0665
# of values	18	16	18	17	18	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18	18	17	18	18	18	18	18	17
Minimum	1.00	0.925	0.00155	0.013	0.125	0.125	1.57	1.27	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.0075	0.0075	6250	5810	0.631	0.031	0.0166	0.0128	0.272	0.127	3.1	1.325	0.0155	0.0155
Maximum	370	3.9	0.127	0.13	0.309	0.355	5.43	2.03	0.0125	0.0242	0.75	0.75	3.8	4.1	0.0702	0.0492	7840	7170	4.36	0.544	0.309	0.11	31.0	23.0	1170	24.4	4.00	0.248
% of values undetected	28%	75%	22%	24%	83%	78%	0%	0%	94%	94%	94%	89%	83%	82%	56%	72%	0%	0%	0%	22%	0%	0%	0%	0%	11%	61%	56%	71%
# of values between MDL and MRL	1	2	4	4	1	2	0	0	1	1	0	1	1	2	6	4	0	0	0	2	1	4	0	1	6	5	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.080	0.078	NA	NA	10.98	10.56276	NA	NA	2.276	2.185	1000	1000	0.389	0.401
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	56%	6%	0%	11%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-01S																												
Sample Date																												
09/25/04	120	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.4	2.1	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**3.5**	**0.0423**	**0.0155**	1660	1700	0.79	0.546	**0.0764**		0.415	0.201	89.2	**3.1**	**0.05**	**0.05**
10/29/04	779	**12.5**	**0.0385**	**0.0385**	0.606	**0.125**	6.94	2.44	**0.0075**	**0.0167**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0708**	0.136	1420	1320	0.404	**0.05**	0.485	0.167	1.64	**0.1**	597	**3.1**	0.542	**0.05**
05/13/05	3300	54.1	0.0663	**0.01**	1.93	0.0731	18.3	4.25	0.0519	**0.00639**	**0.0197**	**0.003835**	2.2		0.0487	0.0283	1490	1170	3.02	0.48	1.31	0.0699	4.5	0.586	2720	33.3	1.89	**0.035**
08/17/05	45.7	7.82	**0.00155**	**0.005**	**0.125**	**0.125**	2.88	2.45	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	1310	1200	1.96	**0.031**	0.0474	0.0424	0.428		129	**6.75**	**0.0644**	
11/11/05	423	12.7	0.0288	0.0114	**0.48**	**0.125**	5.45	3.11	**0.0214**	**0.0075**	0.015		**3.3**	**5.7**	**0.00775**	**0.00775**	1400	1430	1.37	0.416	0.246	0.0394	1.49	0.431	373	**16.4**	0.355	0.183
03/21/06	171	3.05	**0.0300**	**0.0228**	**0.155**	**0.155**	4.50	3.54	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	2720	2750	2.14	0.473	0.0628	**0.0168**	0.472	0.194	108	**10.0**	0.195	**0.0130**
05/22/06	125	20.0	**0.0258**	**0.0075**	**0.155**	**0.155**	3.65	3.17	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.79**	**1.51**	**0.0125**	**0.0125**	650	699	0.747	**0.100**	0.0800	0.0402	0.751	0.455	60.4	**3.10**	0.210	0.0820
08/22/06	170	32.4	**0.0075**	**0.0075**	**0.155**	**0.155**	5.54	4.13	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	1390	1380	2.29	1.22	0.119	0.0502	1.27	0.772	135	20.9	0.160	**0.050**
10/31/06	46.2	15.2	**0.0075**	**0.0075**	**0.155**	**0.155**	4.01	4.02	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	925	948	0.886	**0.050**	0.0474	0.0326	0.694	0.624	30.8	**3.10**	**0.0155**	**0.0155**
03/19/07	323	2.93	**0.0250**	**0.0250**	**0.155**	**0.155**	5.29	3.48	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0252**	**0.0216**	3260	3620	1.87	0.369	0.177	**0.0100**	0.902	0.323	282	**3.10**	0.257	**0.0155**
05/10/07	10.5	2.41	**0.0154**	**0.0202**	**0.155**	**0.155**	2.55	2.48	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0214**	**0.0204**	973	952	1.50	0.253	0.0242	**0.0100**	0.195	0.144	**10.0**	**3.10**	**0.0155**	**0.050**
08/22/07	12.9	4.24	0.0560	**0.0284**	**0.155**	**0.155**	3.57	3.32	**0.0125**	**0.0125**	**0.0075**	**0.0188**	**1.25**	**1.25**	**0.0308**	**0.0286**	1800	1630	1.24	0.492	0.0250	**0.0190**	0.355	0.260	**10.0**	**10.0**	**0.050**	**0.050**
11/13/07	50.1	12.2	**0.0075**	**0.0075**	**0.155**	**0.155**	4.52	4.02	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0308**	**0.0234**	1210	1080	1.01	0.262	0.0382	0.0244	0.326	0.153	29.6	**3.10**	**0.050**	**0.0155**
03/21/08	428	2.65	**0.0292**	**0.0179**	**0.155**	**0.155**	6.81	3.79	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0307**	**0.0225**	2830	2650	1.75	0.302	0.219	**0.0109**	1.01	0.105	340	**8.78**	0.337	**0.0155**
05/17/08	2.67	4.41	**0.0075**	**0.0075**	**0.155**	**0.155**	2.60	2.57	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0216**	833	812	0.263		**0.0133**	**0.0156**	0.116	0.103	**3.10**	**3.10**	**0.0155**	**0.0155**
08/24/08	3310	9.20	**0.0273**	**0.0075**	**0.355**	**0.155**	14.5	2.86	0.0533	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.0506	**0.0075**	2280	2590	6.04	0.317	0.727	0.0433	3.67	0.290	645	**15.3**	1.04	**0.0155**
10/16/08	12.6	7.77	**0.0075**	**0.0075**	**0.155**	**0.155**	3.90	3.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0270**	**0.0259**	1360	1320	0.447	**0.15**	**0.0199**	**0.0173**	0.158	0.173	**7.76**	**3.10**	**0.0155**	**0.050**
Mean	549	12.7	0.0247	0.016	0.313	0.143	5.79	3.28	0.0168	0.0114	0.0967	0.1015	1.48	1.69	0.0279	0.0252	1620	1600	1.63	0.344	0.2187	0.0381	1.082	0.307	328	8.8	0.310	0.044
Median	125	9.20	0.0258	0.010	0.155	0.155	4.50	3.32	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0252	0.0204	1400	1320	1.37	0.310	0.0764	0.0285	0.694	0.231	108	3.1	0.160	0.043
St. Deviation	1058	13.1	0.0181	0.011	0.438	0.022	4.25	0.69	0.0138	0.0026	0.2460	0.2532	0.56	1.22	0.0170	0.0294	740	810	1.36	0.289	0.3396	0.0384	1.228	0.209	649	8.5	0.484	0.042
# of values	17	17	17	17	17	17	17	17	17	17	17	16	17	16	17	17	17	17	17	16	17	16	17	16	17	17	17	16
Minimum	2.67	2.41	0.00155	0.005	0.125	0.0731	2.55	2.1	0.0075	0.00639	0.00155	0.00155	0.75	0.75	0.00775	0.0075	650	699	0.263	0.031	0.0133	0.01	0.116	0.1	3.10	3.1	0.0155	0.013
Maximum	3310	54.1	0.0663	0.0385	1.93	0.155	18.3	4.25	0.0533	0.0167	0.75	0.75	3.3	5.7	0.0708	0.136	3260	3620	6.04	1.22	1.31	0.167	4.5	0.772	2720	33.3	1.89	0.183
% of values undetected	0%	12%	53%	71%	76%	94%	0%	0%	82%	88%	88%	94%	82%	81%	35%	47%	0%	0%	0%	25%	0%	13%	0%	6%	18%	65%	41%	88%
# of values between MDL and MRL	0	0	5	4	2	0	0	0	1	2	1	1	2	3	9	7	0	0	0	1	3	5	0	0	1	4	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.018	0.020	NA	NA	4.4359222	3.8148931	NA	NA	0.422	0.405	1000	1000	0.032	0.042
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%	53%	0%	0%	6%	0%	0%	0%	65%	31%	6%	0%	76%	50%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-01M																													
Sample Date																													
09/24/04		865	874	2.19	1.13	**0.031**		**0.337**	**0.342**	0.847	0.62	210	204	**0.155**	**0.155**	5440	**0.0031**	**0.0031**	2020	2040	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.283**	**0.391**	4.03	1.58
10/29/04		935	846	10.6	1.34	0.3	**0.1**	**0.67**	**0.347**	0.817	0.352	332	220	**0.155**	**0.155**	5180	**0.018**	**0.0031**	2120	2100	**0.0125**	**0.0125**	**0.364**	**0.155**	0.971	**0.125**	254	54.1
03/21/05		1140	899	1.85	1.84	**0.100**	**0.0315**	0.358	0.457	0.728	0.725	217	205	0.128	0.122	4650	**0.001435**	**0.001435**	2210	1710	0.018	**0.002125**	0.542	0.318	0.196	0.149	37.3	37.9
05/13/05		1020	884	1.2	1.21	**0.0315**	**0.0315**	0.31	0.337	0.567	0.638	219	206	0.131	0.115	5310	**0.00723**	**0.001435**	2120	1620	**0.002125**	**0.002125**	**0.168**	**0.0302**	0.181	0.117	35.2	31.5
08/17/05		967	1120	1.13	0.244	**0.031**	**0.031**	0.12		0.827	0.799	223	226	**0.0775**	**0.0775**	6660	**0.0031**	**0.0031**	2180	2380	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	0.583	30.4	**0.2325**
11/11/05		925	941	0.775	0.836	**0.031**	**0.031**	0.348	0.269	0.764	0.531	219	219	**0.156**	**0.167**	5890	**0.017**	**0.0031**	2150	2220	**0.0096**	**0.0031**	**0.031**	**0.031**	**0.243**	**0.1**	20.4	18.5
03/22/06		892	851	1.31	0.691	**0.000475**	**0.000475**	0.476	0.234	1.97	0.536	211	209	**0.155**	**0.155**	4790	**0.00310**	**0.00310**	2050	1880	**0.00880**	**0.00250**	0.147	0.173	**0.110**	**0.110**	18.1	15.3
05/22/06		874	915	0.702	0.611	**0.000475**	**0.000954**	0.305	0.304	1.19	0.553	204	214	**0.155**	**0.155**	5380	**0.00310**	**0.00310**	2060	2170	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	18.8	18.2
08/22/06		851	792	0.790	0.529	**0.000475**	**0.000475**	0.373	0.311	1.34	0.547	198	181	**0.155**	**0.155**	4640	**0.00310**	**0.00310**	1970	1830	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	17.4	12.4
10/31/06		880	932	0.974	0.549	**0.00250**	**0.000475**	0.318	0.268	1.81	0.566	191	199	**0.155**	**0.155**	5030	**0.00310**	**0.00310**	1980	2090	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.552**	**0.934**	15.7	14.0
03/19/07		928	934	1.08	0.844	**0.000169**	**0.000475**	0.385	0.326	3.11	0.978	209	213	**0.155**	**0.155**	5260	**0.00310**	**0.00310**	2070	2090	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.323**	**0.155**	18.0	16.7
05/10/07		967	1030	0.670	0.524	**0.000169**	**0.000475**	0.378	0.362	1.95	0.744	209	208	**0.155**	**0.155**	5350	**0.00310**	**0.00310**	2180	2310	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	12.5	12.8
08/22/07		910	935	1.37	0.421	**0.000169**	**0.000475**	0.368	0.345	2.74	0.619	210	211	**0.155**	**0.155**	5560	**0.00310**	**0.00310**	2150	2170	**0.00500**	**0.00500**	**0.108**	**0.0500**	**0.155**	**0.155**	19.1	11.0
11/12/07		856	879	0.690	0.574	**0.000387**	**0.000475**	0.312	0.333	0.974	0.712	222	223	**0.155**	**0.155**	5590	**0.00310**	**0.00310**	1970	2010	**0.00500**	**0.00500**	**0.183**	**0.0500**	**0.155**	**0.155**	17.3	13.4
03/21/08		933	906	1.08	0.547	**0.000750**	**0.000750**	0.308	0.292	0.673	0.727	206	208	**0.155**	**0.155**	5210	**0.00310**	**0.00310**	2080	2040	**0.00500**	**0.00500**	0.345	**0.0500**	**0.155**	**0.155**	17.9	13.3
05/17/08		884	914	0.282	0.295	**0.000750**	**0.000750**	0.310	0.325	0.513	0.335	193	198	**0.155**	**0.155**	5130	**0.00310**	**0.00310**	1980	2020	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	9.31	9.01
08/24/08		908	902	0.282	0.261	**0.000750**	**0.000750**	0.306	0.294	0.515	0.425	212	199	**0.155**	**0.155**	5120	**0.00310**	**0.00310**	2060	2060	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	9.20	7.16
10/15/08		936	954	0.343	0.310	**0.000750**	**0.000750**	0.296	0.286	0.977	0.529	193	198	**0.155**	**0.155**	5350	**0.00310**	**0.00310**	2140	2150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	9.50	8.89
Mean		926	917	1.52	0.709	0.02957	0.013663	0.349	0.320	1.24	0.608	215	208	0.148	0.147	5310	0.00484	0.00292	2080	2050	0.00662	0.00503	0.136	0.0783	0.245	0.228	31.3	16.4
Median		918	910	1.03	0.562	0.00075	0.000750	0.328	0.325	0.911	0.593	210	208	0.155	0.155	5290	0.00310	0.00310	2080	2080	0.00500	0.00500	0.0500	0.0500	0.155	0.155	18.0	13.4
St. Deviation		69	71	2.32	0.428	0.07201	0.025906	0.105	0.049	0.770	0.159	31	11	0.019	0.021	460	0.00473	0.00054	80	190	0.00412	0.00296	0.144	0.0755	0.210	0.212	56.2	13.0
# of values		18	18	18	18	18	17	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Minimum		851	792	0.282	0.244	0.000169	0.0004745	0.12	0.234	0.513	0.335	191	181	0.0775	0.0775	4640	0.001435	0.001435	1970	1620	0.002125	0.002125	0.0155	0.0155	0.1	0.1	4.03	0.2325
Maximum		1140	1120	10.6	1.84	0.3	0.1	0.67	0.457	3.11	0.978	332	226	0.156	0.167	6660	0.018	0.00310	2210	2380	0.018	0.0125	0.542	0.318	0.971	0.934	254	54.1
% of values undetected		0%	0%	0%	0%	89%	94%	0%	0%	0%	0%	0%	0%	83%	83%	0%	83%	100%	0%	0%	83%	100%	61%	89%	61%	72%	0%	6%
# of values between MDL and MRL		0	0	0	0	1	1	2	2	0	0	0	0	1	1	0	3	0	0	0	2	0	4	0	4	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	12.90	12.87	NA	NA	5	4.6	NA	0.2371889	0.202	NA	NA	NA	NA	NA	NA	NA	NA	29.58	29.16
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	33%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	17%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-01S																													
Sample Date																													
09/25/04		337	324	15	10.6	**0.031**		**0.155**	**0.155**	0.51	0.665	140	118	**0.155**	**0.155**	3300	**0.0031**	**0.0031**	1260	1310	**0.0286**	**0.0125**	**0.155**	**0.155**	0.478	**0.287**	**1.06**	**0.617**
10/29/04		376	268	52.7	8.95	**0.031**	**0.1**	**0.155**	**0.155**	0.575	0.243	179	108	**0.155**	**0.155**	2590	**0.0062**	**0.0031**	1290	1180	**0.0125**	**0.0125**	**0.155**	**0.155**	1.29	**0.125**	4.79	**0.75**
05/13/05		465	158	138	12.4	**0.0315**	**0.0315**	0.266	**0.0787**	1.94	0.719	536	362	0.113	**0.059**	**1060**	0.0204	**0.001435**	1710	1190	0.0242	**0.00656**	**0.143**	**0.0302**	5.31	**0.0135**	8.78	1.18
08/17/05		290	267	8.09	6.36	**0.031**	**0.031**	**0.0031**		0.969	0.803	119	116	**0.0775**	**0.0775**	2800	**0.0031**	**0.0031**	1540	1490	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.326**	**0.75**	**0.75**
11/11/05		341	299	29.6	7.65	**0.031**	**0.031**	0.112	0.0322	0.883	0.486	145	125	**0.0775**	**0.0775**	2900	**0.0031**	**0.0031**	1480	1540	**0.008**	**0.0031**	**0.031**	**0.031**	0.757	**0.1**	2.98	**0.75**
03/21/06		642	672	5.71	1.50	**0.000475**	**0.000475**	0.124	0.159	1.02	0.647	126	112	**0.155**	**0.155**	3910	**0.00310**	**0.00310**	1630	1700	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	3.73	2.14
05/22/06		178	177	9.62	6.31	**0.00106**	**0.00115**	0.124	**0.0075**	0.614	0.375	90.5	83.5	**0.155**	**0.155**	1830	**0.00310**	**0.00310**	1080	1050	**0.00860**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.99	1.67
08/22/06		271	266	13.5	7.91	**0.000475**	**0.000952**	0.0774	0.0826	1.46	0.993	372	355	**0.155**	**0.155**	2520	**0.00310**	**0.00310**	2060	2110	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	2.05	1.75
10/31/06		196	196	7.27	6.50	**0.000475**	**0.000475**	**0.0392**	**0.0340**	1.06	0.711	93.9	98.8	**0.155**	**0.155**	2130	**0.00310**	**0.00310**	1330	1410	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.909**	**0.500**	**0.500**
03/19/07		727	715	19.0	1.32	**0.000169**	**0.000475**	0.241	0.217	0.943	0.582	165	156	**0.155**	**0.155**	3970	**0.00310**	**0.00310**	1570	1620	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.605**	**0.155**	3.15	1.13
05/10/07		210	218	4.38	4.74	**0.000169**	**0.000475**	0.0632	**0.0492**	0.813	0.472	77.2	81.0	**0.155**	**0.155**	2160	**0.00310**	**0.00310**	1110	1160	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/22/07		323	299	3.80	3.38	**0.000966**	**0.000475**	0.101	0.0952	0.791	0.458	114	102	**0.155**	**0.155**	2730	**0.00310**	**0.00310**	1410	1260	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.10	1.71
11/13/07		218	198	5.67	4.17	**0.000169**	**0.000475**	0.0620	**0.0250**	0.628	0.399	99.4	89.9	**0.155**	**0.155**	2310	**0.00310**	**0.00310**	1300	1250	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.32	**0.500**
03/21/08		607	521	23.6	2.13	**0.000750**	**0.000750**	0.186	0.147	1.00	0.605	153	112	**0.155**	**0.155**	3150	**0.00620**	**0.00310**	1480	1370	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.459**	**0.155**	4.06	2.05
05/17/08		163	160	3.22	3.23	**0.000750**	**0.000750**	**0.0375**	**0.0337**	0.285	0.366	70.9	72.1	**0.155**	**0.155**	1850	**0.00310**	**0.00310**	1120	1120	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/24/08		318	183	73.2	7.56	**0.000750**	**0.000750**	0.139		6.36	1.12	198		**0.155**	**0.155**	2160	**0.00310**	**0.00310**	1170	1350	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.31	**0.155**	5.27	**0.500**
10/16/08		279	267	4.23	4.01	**0.000750**	**0.000750**	**0.0356**	**0.0356**	0.287	0.252	103	102	**0.155**	**0.155**	2550	**0.00310**	**0.00310**	1360	1340	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.14	1.11
Mean		349	305	24.5	5.81	0.009556	0.012591	0.113	0.0871	1.19	0.582	164	137	0.143	0.14	2580	0.00448	0.00300	1410	1380	0.00809	0.00546	0.0615	0.0549	0.694	0.204	2.75	1.07
Median		318	267	9.62	6.31	0.000750	0.000750	0.112	0.0787	0.883	0.582	126	110	0.155	0.155	2550	0.00310	0.00310	1360	1340	0.00500	0.00500	0.0500	0.0500	0.250	0.155	2.98	0.75
St. Deviation		168	170	34.9	3.16	0.014337	0.026311	0.073	0.0644	1.39	0.242	118	89	0.027	0.033	740	0.00423	0.00040	250	260	0.00730	0.00286	0.0444	0.0396	1.25	0.195	2.20	0.59
# of values		17	17	17	17	17	16	17	15	17	17	17	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Minimum		163	158	3.22	1.32	0.000169	0.0004745	0.0031	0.0075	0.285	0.243	70.9	72.1	0.0775	0.059	1060	0.00310	0.001435	1080	1050	0.00250	0.00250	0.0155	0.0155	0.1	0.0135	0.500	0.500
Maximum		727	715	138	12.4	0.0315	0.1	0.266	0.217	6.36	1.12	536	362	0.155	0.155	3970	0.0204	0.00310	2060	2110	0.0286	0.0125	0.155	0.155	5.31	0.909	8.78	2.14
% of values undetected		0%	0%	0%	0%	88%	88%	18%	27%	0%	0%	0%	0%	94%	94%	6%	82%	100%	0%	0%	76%	94%	94%	100%	59%	76%	24%	47%
# of values between MDL and MRL		0	0	0	0	2	2	3	5	0	0	0	0	0	1	0	2	0	0	0	3	1	1	0	2	4	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	2.43	2.43	NA	NA	5	4.6	NA	0.0079902	0.007	NA	NA	NA	NA	NA	NA	NA	NA	5.57	5.49
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	29%	25%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%
% of DWS exceedences		0%	0%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Field pH	Field Dissolved Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Laboratory Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Thiocyanate	DOC (Dissolved Organic Carbon)	Total Ammonia[3]
	Total/Dissolved																								
	Units	pH Units	mg/L	µmhos/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-02D																									
	Sample Date																								
	09/07/04	8.75	4.90	60	132	4.90	20.6	60	58.8	**0.200**	**1.57**	20.5	**0.77**			**0.0155**		0.833	**0.047**	1.51	**0.00125**	**0.00125**	**0.63**		**0.0155**
	10/20/04	8.63	2.40	59	213	2.40																			
	10/29/04						222																		
	10/30/04						21.9	60	26.3	2.70	**1.57**	25	**0.155**			**0.07**		0.873	**0.0155**	1.64	**0.00125**	**0.00125**	**0.21**		**0.031**
	03/22/05	8.83	3.10	46		3.10	24.9	55	43.8	**0.400**	**0.785**	25	**0.04**			0.209		0.774	**0.037**	1.51	**0.00125**	**0.00125**	**0.099**		**0.0155**
	05/16/05	8.78	3.60	54	130	3.60	26.7	60	51.3	**0.300**	**0.785**	25	**0.08**			0.0845		0.755	**0.034**	1.48	**0.00125**	**0.00125**	**0.13**		**0.0155**
	08/17/05	8.98	4.03	52	102	4.03	23.9	55	48.8	0.600	**0.785**	26	**0.0385**			**0.018**		0.721	**0.0155**	1.43	**0.00125**	**0.00125**	**0.22**		**0.031**
	11/12/05	8.57	2.72	53	156	2.72	23.2	50	42.5	**0.075**	**0.785**	26	**0.05**			0.023		0.712	**0.0155**	1.48	**0.00125**	**0.00125**	**0.092**		**0.0155**
	03/23/06	7.11	3.09	54	183	3.09	23.3	45.0	35.0	**0.150**	**0.785**	28.0	0.119			0.0130		0.732	**0.0155**	1.56	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/21/06	6.55	3.18	52	211	3.18	23.0	60.0	48.8	**0.075**	**0.785**	28.0	1.24			**0.0069**		0.723	**0.0390**	1.50	**0.00125**	**0.00125**	**0.155**		**0.0500**
	08/23/06	7.39	3.66	49	153.4	3.66	23.6	55.0	58.7	**0.075**	**1.57**	27.0	**0.0975**	**0.0155**	**0.0975**	0.0100	**0.0155**	0.717	**0.0360**	1.50	**0.00075**	**0.00075**	**0.155**		**0.0155**
	11/02/06	7.79	3.05	64	207.8	3.05	25.4	55.0	11.2	**0.075**	**1.57**	28.0	**0.0155**	**0.0155**	**0.0155**	0.0260		0.594	**0.0155**	1.28	**0.00075**	**0.00075**	**0.155**		**0.0500**
	03/22/07	8.83	2.87	27	141.6	2.87	24.5	50.0	27.5	**0.400**	**1.57**	29.0	**0.050**	**0.0155**	**0.0650**	0.0210	**0.0155**	0.735	**0.0400**	1.42	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/11/07	8.71	3.86	31	98.7	3.86	23.9	50.0	37.5	**0.075**	**1.57**	26.0	0.127			0.0134		0.732	**0.0410**	1.39	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/22/07	8.54	4.13	32	119.3	4.13	22.5	50.0	23.8	**0.075**	**1.57**	25.1	**0.0820**			**0.0057**		0.581	**0.0155**	1.16	**0.00075**	**0.00075**	**0.155**		**0.0155**
	11/12/07	8.57	3.80	48	114.8	3.80	22.9	50.0	40.0	0.505	**1.57**	26.7	**0.0730**			0.0207		0.605	**0.0330**	1.26	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/21/08	7.95	3.40	45	86.8	3.40	21.8	59.1	37.5	**0.408**	**1.57**	28.4	**0.0885**			0.0191		0.603	**0.0430**	1.18	**0.00075**	**0.00075**	**0.155**		0.112
	05/19/08	8.57	3.48	54	124.1	3.48	23.5	56.5	46.3	**0.075**	**1.57**	26.8	0.115			**0.0088**		0.445	**0.038**	1.24	**0.00250**	**0.00250**	**0.155**	**0.075**	**0.0973**
	08/24/08	9.04	4.04	30	243.8	4.04	22.5	57.6	41.3	**0.077**	**1.57**	27.1	0.057			0.0219		0.576	**0.042**	1.28	**0.00250**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/23/08	7.00	2.08	55	252.8	2.08	22.8	59.5	35.0	**0.215**	**1.57**	27.2	**0.0655**			0.0127		0.664	**0.057**	1.21	**0.00075**	**0.00250**	**0.155**	**0.075**	**0.0500**
	Mean	8.26	3.41	48	157.1	3	33.8	54.9	39.7	0.36	1.31	26.4	0.1813	0.0155	0.0593	0.033	0.0155	0.688	0.032	1.39	0.00117	0.00117	0.180	0.133	0.0367
	Median	8.57	3.44	52	141.6	3	23.3	55.0	40.7	0.18	1.57	26.8	0.0810	0.0155	0.0650	0.019	0.0155	0.719	0.037	1.43	0.00125	0.00125	0.155	0.075	0.0233
	St. Deviation	0.76	0.68	11	52.0	1	45.6	4.7	12.2	0.61	0.38	1.9	0.3123	0	0.0413	0.049	0	0.104	0.013	0.14	0.00054	0.00054	0.116	0.101	0.0290
	# of values	18	18	18	17	18	19	18	18	18	18	18	18	3	3	18	2	18	18	18	18	18	18	3	18
	Minimum	6.55	2.08	27	86.8	2.08	20.6	45.0	11.2	0.075	0.785	20.5	0.0155	0.0155	0.0155	0.0057	0.0155	0.445	0.0155	1.16	0.00075	0.00075	0.092	0.075	0.0155
	Maximum	9.04	4.90	64	252.8	4.90	222	60.0	58.8	2.70	1.57	29.0	1.24	0.0155	0.0975	0.209	0.016	0.873	0.057	1.64	0.00250	0.00250	0.63	0.250	0.112
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%	0%	22%	100%	33%	6%	100%	0%	33%	0%	100%	100%	67%	100%	78%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	6	0	0	9	0	2	5	0	0	12	0	0	0	6	0	3
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	0.49
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-03D																									
	Sample Date																								
	05/16/05	6.73	5.53	150	197	5.53	82.5	155	109	15.1	5.50	46.5	0.24			0.098		0.8	**0.089**	28.6	**0.00125**	**0.00125**	**0.29**		**0.0155**
	08/22/05	7.06	6.01	144	29	6.01	66.8	145	87.5	**0.075**	**3.63**	43.5	0.197			0.023		0.746	**0.071**	28.3	**0.00125**	**0.00125**	**0.27**		**0.0155**
	03/24/06	6.87	3.68	150	279	3.68	61.9	150	83.7	**0.147**	**3.50**	179	0.394			0.0130		0.788	**0.0630**	30.5	**0.00250**	**0.00250**	**0.155**		0.107
	05/23/06	5.43	7.21	135	258.8	7.21	61.2	150	92.5	2.20	5.75	**7.00**	0.172			0.0280		0.769	0.113	28.7	**0.00125**	**0.00125**	**0.155**		**0.0500**
	11/02/06	6.76	4.99	170	272.7	4.99	62.7	140	100	2.70	**3.75**	45.0	**0.0630**	**0.0155**	**0.0500**	0.0340		0.654	**0.0690**	27.3	**0.00075**	**0.00200**	**0.155**		0.703
	05/09/07	6.89	5.43	95	120.3	5.43																			
	05/10/07	7.00	5.91	90	61.8	5.91																			
	08/16/07	6.71	5.13	92	105.7	5.13																			
	08/17/07						58.4	150	98.8	**0.150**	**7.75**	45.2	0.240			0.0181		0.660	**0.0830**	27.0	**0.00075**	**0.00075**	**0.155**		**0.0631**
	11/11/07	6.75	5.65	144	207.8	5.65	60.2	150	103	2.10	**4.50**	47.0	0.246			0.0270		0.685	**0.0830**	27.1	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/22/08	6.25	4.54	128	103.0	4.54																			
	05/22/08	6.72	4.51	156	142.1	4.51	64.2	152	121	43.4	**3.30**	45.8	0.315			0.0703		0.687	**0.073**	35.7	**0.00250**	0.00530	**0.155**	**0.075**	**0.0155**
	08/27/08	6.88	5.64	146	203.4	5.64	62.5	148	81.3	74.5	**4.18**	46.3	0.0504			0.0929		0.760	0.183	28.8	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/21/08	6.88	1.81	153	114.3	1.81	63.6	159	101	39.9	**3.68**	48.9	0.256			0.0507		0.663	**0.075**	25.7	**0.00075**	**0.00075**	**0.350**	**0.075**	**0.0500**
	Mean	6.69	5.08	135	161.1	5	64.4	150	98.0	18.0	4.55	55.4	0.217	0.0155	0.0500	0.0455	NA	0.721	0.09	28.8	0.00130	0.00166	0.200	0.133	0.1085
	Median	6.76	5.43	144	142.1	5.43	62.6	150	99.0	2.50	3.97	46.1	0.240	0.0155	0.0500	0.0310	NA	0.717	0.079	28.5	0.00100	0.00125	0.155	0.075	0.0500
	St. Deviation	0.43	1.3	26	81.2	1	6.8	5	12	25.9	1.4	45.1	0.104	NA	NA	0.0312	NA	0.057	0.035	2.8	0.00070	0.00141	0.074	0.101	0.2109
	# of values	13	13	13	13	13	10	10	10	10	10	10	10	1	1	10	0	10	10	10	10	10	10	3	10
	Minimum	5.43	1.81	90	29	1.81	58.4	140	81.3	0.075	3.30	7.00	0.0504	0.0155	0.0500	0.0130	NA	0.654	0.063	25.7	0.00075	0.00075	0.155	0.075	0.0155
	Maximum	7.06	7.21	170	279	7.21	82.5	159	121	74.5	7.75	179	0.394	0.0155	0.0500	0.098	NA	0.8	0.183	35.7	0.00250	0.00530	0.350	0.250	0.703
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	30%	0%	0%	0%	100%	0%	0%		0%	0%	0%	100%	80%	70%	100%	70%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	0	8	1	1	0	1	0		0	8	0	0	1	3	0	1
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	5.85
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%	0%	0%	0%	NA	0%	0%	0%	0%	10%	0%	0%	0%
	%of DWS exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-02D																												
Sample Date																												
09/07/04	**12.5**	**12.5**	**0.112**	0.203	4.82	4.69	1.56	1.47	**0.0075**	**0.0075**	**0.75**	**0.75**	**5**	**1.55**	**0.0155**	**0.0155**	7370	6950	5.67	4.39	**0.05**	**0.05**	0.307	**0.1**	73.9	**10**	**0.05**	**0.05**
10/20/04																												
10/29/04	45200		**0.134**		18.7		461		1.3		**0.75**		**1.55**		0.499		64000		22.5		21.3		43.6		35700		22.6	
10/30/04	80	**12.5**	**0.115**	**0.119**	4.53	4.54	2.37	1.44	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	7830	7790	0.452	0.243	**0.05**	**0.05**	0.297	0.224	69.5	**3.1**	**0.121**	**0.05**
03/22/05	17.8	5.96	0.14		5.4	5.01	1.43	1.57	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.83	1.44	**0.003095**	**0.003095**	8930	6810	3.1	1.42	0.081	0.075	0.824	0.152	16.9	**4.37**	**0.0516**	**0.011**
05/16/05	13.4	6.68	0.145	0.142	5.04	5.19	1.64	1.6	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.99		**0.00642**	**0.003095**	9730	7700	1.38	1.18	0.0307	**0.0198**	0.176	0.102	11.3	**3.88**	**0.035**	**0.035**
08/17/05	12.7	6.33	0.0332		5.06	4.45	1.54	1.31	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	8490	7630	2.18	**0.1**	0.0324	0.0316	0.59	0.203	21.7	**3.1**	**0.07**	**0.0155**
11/12/05	8.21	5.89	0.111	0.117	4.96	5.28	1.35	1.45	**0.0075**	**0.0075**	0.0126	0.0124	**1.55**	**1.55**	**0.00775**	**0.00775**	8230	8850	1.63	1.26	0.0284	0.0282	0.318	0.173	**7.79**	**3.1**	**0.05**	**0.05**
03/23/06	6.89	6.28	0.131	0.124	4.49	4.45	1.54	1.41	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	8310	7960	1.37	1.31	0.0350	0.0286	0.238	0.149	**3.10**	**3.10**	0.0830	
05/21/06	6.10	5.83	0.122	0.135	4.70	5.29	1.36	1.43	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	8220	8630	1.71	1.41	0.0342	0.0286	0.216	0.138	**8.11**	**3.10**	**0.0286**	
08/23/06	11.1	7.74	0.137	0.130	5.30	4.99	1.40	1.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8380	8690	2.52	1.98	0.0296	0.0252	0.264	0.228	20.9	**14.9**	**0.0500**	**0.0500**
11/02/06	19.8	19.2	0.118	0.122	4.67	4.57	1.53	1.63	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9150	9740	1.74	1.62	0.0238	0.0220	0.334	0.271	**10.0**	**10.0**	**0.0500**	0.108
03/22/07	10.4	7.04	0.151	0.144	5.21	4.99	1.52	1.48	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8710	8450	1.59	1.01	0.0234	**0.0100**	0.359	0.212	**10.0**	**10.0**	**0.0500**	**0.0500**
05/11/07	8.60	6.81	0.143	0.133	5.01	4.86	1.76	1.38	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8510	8260	2.37	1.51	0.0236	**0.0100**	0.249	0.208	**10.0**	**10.0**	**0.0500**	**0.0155**
08/22/07	11.8	6.83	0.112	0.142	4.86	4.90	1.49	1.47	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8040	8830	2.44	2.07	0.0258	**0.0194**	0.352	0.229	**10.0**	**10.0**	**0.0500**	**0.0155**
11/12/07	13.5	4.57	0.133	0.106	4.78	4.16	1.49	1.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8220	8010	3.76	1.58	0.0374	**0.0156**	0.328	0.152	27.7	**3.10**	0.101	**0.0155**
03/21/08	6.81	5.18	0.114	0.105	4.78	4.75	1.29	1.25	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7820	8060	2.43	2.36	0.0248	0.0202	0.187	0.115	43.7	32.6	**0.0155**	**0.0155**
05/19/08	6.93	5.29	0.108	0.108	5.22	5.14	1.56	1.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8420	8280	1.92	0.811	**0.0188**	**0.0120**	0.192	0.110	28.4	23.0	**0.0500**	**0.0155**
08/24/08	8.57	5.77	0.125	0.117	5.05	5.31	1.55	1.47	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8020	8180	1.64	0.863	0.0206	**0.0129**	0.399	0.216	33.4	26.9	**0.0784**	**0.0155**
10/23/08	9.92	5.27	0.125	0.119	4.90	5.06	1.75	1.38	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8110	8160	2.13	1.37	0.0272	**0.0181**	0.313		27.5	**19.1**	**0.0500**	**0.0500**
Mean	2393	7.54	0.122	0.129	5.66	4.87	25.7	1.43	0.0780	0.0101	0.1252	0.0905	1.53	1.27	0.0356	0.0097	11290	8170	3.29	1.47	1.15	0.0265	2.61	0.175	1902	11	1.24	0.035
Median	11.1	6.31	0.125	0.123	4.96	4.95	1.54	1.44	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8310	8170	2.13	1.39	0.0296	0.0211	0.313	0.173	20.9	10	0.05	0.025
St. Deviation	10366	3.65	0.025	0.023	3.17	0.33	105	0.11	0.2959	0.0038	0.2780	0.2400	0.89	0.24	0.1123	0.0047	12780	690	4.78	0.92	4.88	0.0168	9.93	0.053	8185	9	5.17	0.026
# of values	19	18	19	16	19	18	19	18	19	18	19	18	19	17	19	18	19	18	19	18	19	18	19	17	19	18	19	16
Minimum	6.10	4.57	0.0332	0.105	4.49	4.16	1.29	1.21	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	7370	6810	0.452	0.1	0.0188	0.0100	0.176	0.1	3.1	3.1	0.0155	0.011
Maximum	45200	19.2	0.151	0.203	18.7	5.31	461	1.63	1.3	0.0125	0.75	0.75	5	1.55	0.499	0.0185	64000	9740	22.5	4.39	21.3	0.075	43.6	0.271	35700	32.6	22.6	0.108
%of values undetected	5%	11%	0%	0%	0%	0%	0%	0%	95%	100%	95%	94%	89%	94%	89%	100%	0%	0%	0%	6%	11%	22%	0%	6%	26%	61%	58%	94%
# of values between MDL and MRL	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	6	0	0	2	4	5	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.087	0.085	NA	NA	10.98	10.56276	NA	NA	2.526	2.425	1000	1000	0.454	0.461
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	5%	0%	0%	0%	5%	0%	5%	0%	5%	0%
%of DWS exceedences	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
MW-03D																												
Sample Date																												
05/16/05	8650	2.26	0.308	0.0766	9.76	0.966	95.3	3.56	0.346	**0.001495**	0.0432	**0.003835**	3.22		0.159	**0.003095**	21000	18200	8.25	**0.14**	5.07	**0.0164**	16.1	0.0699	10000	**1.325**	7.33	0.161
08/22/05	28.7	2.71	0.067	0.0506	1.4	1.04	3.01	2.47	**0.0075**	**0.0075**	0.0146	**0.00155**	**1.55**	**5**	**0.00775**	**0.00775**	18500	16000	0.766	0.34	0.0484	0.048	0.253	0.277	49.1	**3.1**	0.356	0.32
03/24/06	12.7		0.0596		0.567		3.00	2.90	**0.0120**	**0.060**	**0.0075**	**0.0375**	**0.75**	**3.75**	**0.0125**	**0.0625**	16800	17200	0.217		0.0512		0.191	0.207	**11.3**	**15.5**	0.194	
05/23/06	112	**1.00**	0.0938	0.0542	0.849	0.727	4.11	2.73	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**2.12**	**2.44**	**0.0125**	**0.0125**	16700	17400	0.378	0.296	0.0974	0.0364	0.427	0.264	139	**3.10**	0.118	**0.0250**
11/02/06	85.4	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.444**	3.56	3.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	17400	19700	**0.050**	**0.050**	0.0702	0.0290	0.362	0.161	96.9	**10.0**	0.186	**0.0155**
05/09/07																												
05/10/07																												
08/16/07																												
08/17/07	17.1	**1.00**	0.0690	0.0500	0.808	0.875	2.83	2.60	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.51**	**1.25**	**0.0196**	**0.0075**	15900	16200	**0.155**	**0.133**	0.0554	0.0270	0.782	0.257	**10.0**	**3.10**	0.678	0.198
11/11/07	47.0	2.22	0.290	**0.0420**	0.558	0.738	3.27	2.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0166**	**0.0075**	17000	19500	0.207	**0.100**	0.0358	0.0294	0.794	0.192	79.8	27.3	0.179	**0.0155**
03/22/08																												
05/22/08	555	**1.00**	0.0608	0.0554	1.52	1.05	10.3	3.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0157**	**0.0075**	17500	17400	0.765	0.279	0.303	0.0217	1.58	0.168	574	26.2	0.511	**0.0155**
08/27/08	1090	8.73	0.0846	**0.0469**	1.74	0.933	14.4	3.56	**0.0274**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0168**	**0.0075**	17000	16800	1.09	0.284	0.487	0.0263	1.99	0.179	1140	60.6	0.649	**0.0155**
10/21/08	653	6.49	0.0717	0.0583	1.51	1.1	10.8	3.43	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0176**	**0.0075**	17400	18200	0.793	0.291	0.31	0.0273	1.33	0.274	705	54.9	0.404	**0.0155**
Mean	1125	2.93	0.1130	0.0510	1.89	0.875	15.1	3.05	0.0467	0.0156	0.0118	0.0095	1.64	2.08	0.0297	0.0142	17500	17700	1.27	0.213	0.653	0.0291	2.38	0.205	1281	20.5	1.06	0.087
Median	99.0	2.22	0.0704	0.0506	1.12	0.933	3.84	2.95	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0167	0.0075	17200	17400	0.572	0.279	0.084	0.0273	0.788	0.2	118	12.8	0.38	0.016
St. Deviation	2669	2.79	0.0998	0.0138	2.81	0.208	28.5	0.41	0.1053	0.0160	0.0113	0.0100	0.75	1.40	0.0456	0.0175	1400	1300	2.48	0.106	1.56	0.009	4.86	0.065	3087	21.8	2.21	0.113
# of values	10	9	10	9	10	9	10	10	10	10	10	10	10	9	10	10	10	10	10	9	10	9	10	10	10	10	10	9
Minimum	12.7	1.00	0.025	0.025	0.155	0.444	2.83	2.47	0.0075	0.001495	0.0075	0.00155	0.75	1.25	0.00775	0.003095	15900	16000	0.050	0.05	0.0358	0.0164	0.191	0.0699	10.0	1.325	0.118	0.0155
Maximum	8650	8.73	0.308	0.0766	9.76	1.1	95.3	3.56	0.346	0.06	0.0432	0.0375	3.22	5	0.159	0.0625	21000	19700	8.25	0.34	5.07	0.048	16.1	0.277	10000	60.6	7.33	0.32
%of values undetected	0%	44%	10%	11%	10%	0%	0%	0%	80%	100%	80%	100%	70%	89%	40%	100%	0%	0%	10%	22%	0%	0%	0%	0%	10%	60%	0%	67%
# of values between MDL and MRL	0	0	0	2	0	1	0	0	1	0	0	0	2	1	5	0	0	0	1	2	0	1	0	0	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.184	0.171	NA	NA	10.98	10.56276	NA	NA	5.961	5.723	1000	1000	1.633	1.416
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%	20%	0%	10%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-02D																														
Sample Date																														
09/07/04	527	507	**0.5**	**0.5**			**0.155**	**0.155**	2.6	2.2	314	301	**0.155**	**0.155**	5580	**0.0031**	**0.0031**	1460	1410	**0.0125**	**0.0125**	**0.155**	**0.155**	1.89	1.62	**0.235**	**0.235**		
10/20/04																														
10/29/04	15200		1870		0.706		**0.438**		35.9		4230		**0.844**			0.353		9720		0.118		2.11		45.6		109			
10/30/04	567	568	3.99	**0.25**	**0.031**	**0.031**	**0.155**	**0.155**	0.535	**0.1**	344	327	**0.155**	**0.155**	4820	**0.01**		1570	1600	**0.0125**	**0.0125**	**0.155**	**0.155**	2.02	1.87	**0.75**	**0.235**		
03/22/05	624	570	0.666	0.298	**0.0315**	**0.0315**	0.29	0.231	1.42	0.768	359	310	**0.0511**	**0.0332**	4360	**0.001435**	**0.00657**	1560	1240	0.0108	**0.002125**	**0.155**	**0.0302**	2.26	2.1	**0.779**	**0.2345**		
05/16/05	588	586	0.381	0.189	**0.0315**	**0.0315**	0.201	0.22	0.547	0.547	329	330	**0.0338**	**0.032**	5160	**0.001435**	**0.001435**	1740	1200	**0.002125**	**0.002125**	**0.134**	**0.0302**	2.05	2.06	**0.2345**	**0.50**		
08/17/05	647	598	0.436	**0.1**	**0.031**	**0.031**	**0.01**		0.976	0.71	373	334	**0.0775**	**0.0775**	5570	**0.0031**	**0.0031**	1710	1560	**0.0031**	**0.0031**	**0.031**	**0.031**	1.93	2.06	**0.75**	**0.75**		
11/12/05	631	662	0.413	**0.1**	**0.031**	**0.031**	0.159		0.833	0.68	353	371	**0.0775**	**0.0775**	5610	**0.0031**	**0.0031**	1700	1730	**0.0031**	**0.0031**	**0.031**	**0.031**	1.99	2.19	**0.75**	**0.75**		
03/23/06	606	604	0.247	0.161	**0.000475**	**0.000475**	0.154	0.152	0.752	0.644	343	327	**0.155**	**0.155**	5180	**0.00310**	**0.00310**	1640	1600	**0.00250**	**0.00250**	**0.05000**	0.110	1.87	1.73	1.45	1.19		
05/21/06	609	684	0.173	0.118	**0.000475**	**0.000475**	0.0932		0.714	0.634	356	370	**0.155**	**0.155**	5480	**0.00310**	**0.00310**	1660	1890	**0.00740**	**0.00250**	**0.0155**	**0.0155**	1.59		0.605	0.653		
08/23/06	655	631	0.403	0.201	**0.000475**	**0.000475**	0.234	0.225	1.13	0.841	351	353	**0.155**	**0.155**	5100	**0.00310**	**0.00310**	1700	1640	**0.00500**	**0.00500**	**0.05000**	**0.05000**	1.77	2.29	**0.500**	1.63		
11/02/06	616	656	0.305	0.215	**0.000475**	**0.000475**	0.205	0.220	0.942	0.850	348	395	**0.155**	**0.155**	4460	**0.00310**	**0.00310**	1640	1750	**0.00500**	**0.00500**	**0.05000**	**0.05000**	2.83	2.87	**0.500**	1.65		
03/22/07	667	668	0.287	0.159	**0.000169**	**0.00138**	0.217	0.228	0.984	0.755	359	360	**0.155**	**0.155**	5160	**0.00310**	**0.00310**	1780	1760	**0.00500**	**0.0122**	**0.05000**	**0.05000**	1.84	1.76	1.59	1.11		
05/11/07	639	632	0.304	0.192	**0.000169**	**0.000475**	0.220	0.199	1.10	0.803	324	317	**0.155**	**0.155**	4830	**0.00310**	**0.00310**	1650	1640	**0.00500**	**0.00500**	**0.05000**	**0.05000**	2.05	1.90	**0.500**	**0.500**		
08/22/07	580	596	0.591	0.237	**0.000169**	**0.000475**	0.225	0.236	1.19	0.973	320	354	**0.155**	**0.155**	5150	**0.00310**	**0.00310**	1550	1670	**0.00500**	**0.00500**	**0.05000**	**0.05000**	1.83	1.66	6.34	1.96		
11/12/07	589	532	0.838	0.174	**0.000169**	**0.000475**	0.264	0.199	1.94	0.768	343	306	**0.155**	**0.155**	4570	**0.00310**	**0.00310**	1580	1410	**0.00500**	**0.00500**	**0.05000**	**0.05000**	1.57	1.52	**0.500**	**0.500**		
03/21/08	551	582	0.485	0.260	**0.000750**	**0.000750**	0.217	0.220	1.27	1.01	312	314	**0.155**	**0.155**	4890	**0.00310**	**0.00310**	1460	1550	**0.00500**	**0.00500**	**0.05000**	**0.05000**	1.83	1.88	**0.620**	**0.632**		
05/19/08	601	597	0.239	0.0688	**0.000750**	**0.000750**	0.208	0.194	0.763	0.377	333	331	**0.155**	**0.155**	5060	**0.00310**	**0.00310**	1570	1550	**0.00500**	**0.00500**	**0.05000**	**0.05000**	1.97	1.85	1.14	**0.500**		
08/24/08	599	620	0.338	0.118	**0.000750**	**0.00208**	0.207	0.198	0.844	0.407	334	341	**0.155**	**0.155**	5160	**0.00310**	**0.00310**	1580	1620	**0.00500**	**0.00500**	**0.05000**	**0.05000**	1.96	1.87	4.32			
10/23/08	619	628	0.430	0.162	**0.00179**	**0.000750**	0.198	0.186	1.31	0.922	328	330	**0.155**	**0.155**	5050	**0.00310**	**0.00310**	1620	1630	**0.00500**	**0.00500**	**0.05000**	**0.05000**	1.86	1.86	2.37	**0.500**		
Mean	1374	607	99.0	0.195	0.048256	0.009708	0.203	0.201	2.934	0.777	545	337	0.171	0.133	5070	0.0217	0.00321	2050	1580	0.0117	0.00500	0.176	0.0588	4.25	1.95	7.00	0.796		
Median	609	601	0.413	0.182	0.000750	0.000750	0.207	0.199	0.984	0.762	343	331	0.155	0.155	5130	0.00310	0.00310	1640	1610	0.00500	0.00500	0.0500	0.0500	1.93	1.87	0.75	0.632		
St. Deviation	3348	47	429	0.098	0.164745	0.014307	0.084	0.029	7.998	0.421	893	25	0.168	0.044	370	0.0803	0.00096	1860	170	0.0259	0.00300	0.471	0.0398	10.0	0.31	24.7	0.528		
# of values	19	18	19	18	18	17	19	15	19	18	19	18	19	18	18	19	17	19	18	19	18	19	18	19	17	19	17		
Minimum	527	507	0.173	0.0688	0.000169	0.0004745	0.01	0.152	0.535	0.1	312	301	0.0338	0.032	4360	0.001435	0.001435	1460	1200	0.002125	0.002125	0.0155	0.0155	1.57	1.52	0.2345	0.2345		
Maximum	15200	684	1870	0.5	0.706	0.0315	0.438	0.236	35.9	2.2	4230	395	0.844	0.155	5610	0.353	0.00657	9720	1890	0.118	0.0125	2.11	0.155	45.6	2.87	109	1.96		
%of values undetected	0%	0%	5%	22%	89%	88%	16%	13%	0%	6%	0%	0%	84%	89%	0%	95%	94%	0%	0%	84%	94%	84%	94%	0%	0%	47%	59%		
# of values between MDL and MRL	0	0	0	0	1	2	1	0	0	0	0	0	3	2	0	0	1	0	0	1	1	2	0	0	0	2	1		
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	14.31	14.27	NA	NA	5	4.6	NA	0.2926995	0.249	NA	NA	NA	NA	NA	NA	NA	NA	32.81	32.35		
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA		
%of CALC exceedences	0%	0%	0%	0%	33%	29%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%		
%of DWS exceedences	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
MW-03D																														
Sample Date																														
05/16/05	7310	4540	609	10.8	**0.0315**	**0.0315**	1.46		8.18	0.24	2150	899	0.789	0.768	8220	0.0788	**0.001435**	4560	3200	0.0624	**0.002125**	0.683	**0.0302**	16.1	0.181	41.7	1.25		
08/22/05	4980	4540	1.52	**0.1**	**0.031**	**0.116**	1.94	1.75	0.615		955	866	1.11	0.91	8300	**0.0031**	**0.0031**	3790	3410	**0.0076**	**0.0031**	**0.031**	**0.031**	**0.24**	**0.249**	**0.75**	**0.75**		
03/24/06	4830	4710	2.67	0.176	**0.000475**	**0.000475**	1.79		0.438		863		**0.451**		42200	**0.00310**	**0.0155**	3540	3570	**0.00250**	**0.0125**	**0.0500**		**0.110**		1.36			
05/23/06	4720	4680	8.58	0.124	**0.000475**	**0.00110**	1.56	1.71	0.456	0.356	867	892	**0.568**	**0.721**	7700	**0.00310**	**0.00310**	3470	3480	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.388**	**0.110**	0.922			
11/02/06	4680	5010	5.34	0.0830	**0.000475**	**0.000475**	1.71	1.95	0.445	0.407	862	962	**0.384**	**0.708**	7990	**0.00310**	**0.00310**	3410	3700	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.945**	**0.250**	1.82	**0.500**		
05/09/07																														
05/10/07																														
08/16/07																														
08/17/07	4530	4520	1.14	0.117	**0.000169**	**0.000475**	1.71	1.79	1.09	0.584	802	776	**0.653**	**0.634**	8240	**0.00740**	**0.00310**	3360	3420	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.333**	**0.155**	3.26	1.07		
11/11/07	4310		2.01	0.110	**0.000889**	**0.000475**	1.68	1.88	0.442	0.447	831	962	**0.672**	**0.746**	8820	**0.00310**	**0.00310**	3160		**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.81	1.16		
03/22/08																														
05/22/08	4970	4950	35.7	0.336	**0.000750**	**0.000750**	1.55	1.67	0.928	0.275	980	935	**0.887**	**0.803**	8340	**0.00310**	**0.00310**	3660	3660	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.26	**0.155**	3.59	**0.500**		
08/27/08	4900	4780	38.9	1.12	**0.00228**	**0.000750**	1.65	1.71	1.16	0.465	1040	918	**0.733**	**0.635**	8220	**0.00310**	**0.00310**	3820	3750	**0.00500**	**0.00500**	0.258	**0.0500**	2.51	**0.155**	3.89	**0.500**		
10/21/08	4870	5260	26.2	0.500	**0.00196**	**0.000750**	1.63	1.80	1.15	0.732	994	944	**0.748**	**0.788**	8610	**0.00310**	**0.00310**	3730	4030	**0.00500**	**0.00500**	**0.122**	**0.0500**	1.56	**0.155**	3.27	2.38		
Mean	5010	4780	73.1	1.35	0.006997	0.015275	1.67	1.78	1.49	0.438	1034	906	0.700	0.746	11660	0.0111	0.00417	3650	3580	0.0105	0.00502	0.140	0.0419	2.36	0.174	6.34	1.01		
Median	4850	4710	6.96	0.15	0.000820	0.000750	1.67	1.77	0.772	0.427	911	918	0.703	0.746	8270	0.0031	0.00310	3600	3570	0.0050	0.00500	0.050	0.0500	0.667	0.155	3.04	0.91		
St. Deviation	830	250	189	3.34	0.012801	0.036695	0.13	0.09	2.37	0.161	400	59	0.210	0.086	10730	0.0238	0.00401	380	240	0.0183	0.00287	0.200	0.0130	4.89	0.047	12.5	0.63		
# of values	10	9	10	10	10	10	10	8	10	8	10	9	10	9	10	10	10	10	9	10	10	10	9	10	9	10	8		
Minimum	4310	4520	1.14	0.083	0.000169	0.0004745	1.46	1.67	0.438	0.24	802	776	0.384	0.634	7700	0.00310	0.001435	3160	3200	0.0025	0.002125	0.0155	0.0155	0.110	0.110	0.75	0.500		
Maximum	7310	5260	609	10.8	0.0315	0.116	1.94	1.95	8.18	0.732	2150	962	1.11	0.91	42200	0.0788	0.0155	4560	4030	0.0624	0.0125	0.683	0.0500	16.1	0.250	41.7	2.38		
%of values undetected	0%	0%	0%	10%	70%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	100%	0%	0%	80%	100%	70%	100%	20%	78%	10%	50%		
# of values between MDL and MRL	0	0	0	0	3	2	0	0	0	0	0	0	8	7	0	1	0	0	0	1	0	1	0	4	1	0	0		
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	33.48	33.38	NA	NA	5	4.6	NA	1.6478569	1.401	NA	NA	NA	NA	NA	NA	NA	NA	76.85	75.78		
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA		
%of CALC exceedences	0%	0%	0%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
%of DWS exceedences	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		

Parameters	Field pH	Field Dissolved Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Laboratory Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Thiocyanate	DOC (Dissolved Organic Carbon)	Total Ammonia[3]
Location / Total/Dissolved / Units	pH Units	mg/L	µmhos/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-05-11SS																								
Sample Date																								
11/11/05	6.12	4.36	27	232	4.36	10.2	27	32.5	10.0	2.63	11	**0.05**			0.023		0.786	**0.0155**	1.18	**0.00125**	**0.00125**	**0.39**		**0.0155**
08/22/06	6.19	4.42	21	182.2	4.42	8.82	22.0	25.0	**0.250**	**1.57**	**7.00**	0.0640	**0.0155**	0.0465	0.0090	**0.0155**	0.623	0.0810	0.891	**0.00075**	**0.00075**	**0.155**		0.0450
11/01/06	6.86	3.96	29	285.3	3.96	8.56	24.0	21.3	0.400	**1.57**	11.0	**0.0155**	**0.0155**	**0.0155**	0.0250	**0.05**	0.605	**0.0155**	1.03	**0.00075**	**0.00075**	**0.155**		0.0802
08/21/07	6.12	4.40	12	136.0	4.40	7.68	22.5	20.0	0.200	**1.57**	**8.54**	0.0525			**0.00155**		0.565	**0.0155**	1.01	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/20/08	7.04	3.21	21	126.0	3.21	8.34	38.3	23.8	0.707	10.6	**9.60**	0.102			0.0142		0.629	**0.0155**	0.860	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/18/08	6.29	9.09	20	168.7	9.09	7.08	17.5	20.0	**0.075**	**1.57**	**7.66**	0.205			0.0089		0.571	**0.0155**	0.666	**0.00250**	**0.00075**	**0.155**	**0.075**	0.0521
08/24/08	6.76	5.02	20	200.2	5.02	7.77	23.6	30.0	**0.0765**	**1.57**	**8.64**	0.130			0.0159		0.487	0.0340	0.979	**0.00250**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/22/08	5.87	3.20	23	142.2	3.20	8.63	25.8	**1.55**	**0.0815**	**1.57**	**9.82**	0.0435			0.0067		0.615	**0.0155**	0.722	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
Mean	6.41	4.71	22	184.1	4.7	8.39	25.1	22.0	1.47	2.83	9.20	0.0828	0.0155	0.0310	0.0130	0.0328	0.610	0.0260	0.917	0.00125	0.00081	0.184	0.133	0.0405
Median	6.24	4.38	21	175.5	4.4	8.45	23.8	23.0	0.23	1.57	9.10	0.0583	0.0155	0.0310	0.0120	0.0328	0.610	0.0155	0.935	0.00075	0.00075	0.155	0.075	0.0475
St. Deviation	0.42	1.88	5	54.1	1.9	0.94	6.0	9.0	3.45	3.16	1.5	0.0609	0	0.0219	0.0080	0.0244	0.085	0.0231	0.169	0.00079	0.00018	0.083	0.101	0.0233
# of values	8	8	8	8	8	8	8	8	8	8	8	8	2	2	8	2	8	8	8	8	8	8	3	8
Minimum	5.87	3.20	12	126.0	3.20	7.08	17.5	1.55	0.075	1.57	7.00	0.0155	0.0155	0.0155	0.00155	0.0155	0.487	0.0155	0.666	0.00075	0.00075	0.155	0.075	0.0155
Maximum	7.04	9.09	29	285.3	9.09	10.2	38.3	32.5	10.0	10.6	11	0.205	0.0155	0.0465	0.0250	0.0500	0.786	0.0810	1.18	0.00250	0.00125	0.39	0.250	0.0802
%of values undetected	0%	0%	0%	0%	0%	0%	0%	13%	50%	75%	0%	25%	100%	50%	13%	100%	0%	75%	0%	100%	100%	88%	100%	63%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	2	1	6	3	0	1	3	0	0	2	0	0	0	1	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	5.96
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-12D																								
Sample Date																								
08/19/05	5.89	3.92	135	110	3.92	53.9	145	115	0.50	22.3	32	0.102			0.28		0.943	0.081	37.8	**0.00125**	**0.00125**	0.33		**0.0155**
11/08/05	5.97	2.42	147	66	2.42	48.1	140	87.5	**0.075**	30.0	33	0.137			0.30		0.862	0.09	35	**0.00125**	**0.00125**	0.11		**0.0155**
03/24/06	6.82	2.82	145	250	2.82	50.2	140	130	**0.075**	16.3	44.0	0.171			0.295		0.882	0.0690	36.7	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/19/06	5.47	2.92	143	221.7	2.92	58.0	140	119	**0.075**	14.0	36.0	0.386			0.297		0.875	0.128	33.9	0.00300	**0.00125**	**0.155**		**0.0155**
08/18/06	6.13	3.24	135	125.6	3.24	52.9	135	124	1.60	13.8	32.0	0.0885	**0.0155**	0.0810	0.304	0.340	0.839	0.0880	34.7	**0.00075**	**0.00075**	**0.155**		**0.0155**
10/28/06	5.81	2.75	139	216.6	2.75	49.2	130	111	**0.075**	23.5	35.0	0.122	**0.0155**	0.120	0.315	0.370	0.687	0.0820	33.2	**0.00075**	**0.00075**	**0.155**		**0.0500**
03/13/07	6.06	1.88	78	229.8	1.88	50.9	120	111	**0.075**	15.0	30.0	0.0930	**0.0155**	**0.0500**	0.307		0.732	0.0860	32.5	**0.00250**	**0.00250**	**0.155**		**0.0155**
05/12/07	5.79	3.22	79	20.2	3.22	54.8	145	109	**0.150**	7.50	32.0	0.101			0.309		0.854	0.107	32.8	**0.00250**	**0.00250**	**0.155**		**0.0155**
08/17/07	5.80	3.24	82	34.4	3.24	46.8	140	104	**0.150**	32.8	31.8	0.108			0.323		0.734	0.0880	33.7	**0.00075**	**0.00075**	**0.155**		0.0706
11/10/07	6.06	2.42	133	122.9	2.42	46.1	130	86.3	**0.150**	15.3	32.0	0.0900			0.329		0.749	0.101	33.6	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/26/08	5.97	2.67	130	75.8	2.67	47.0	152	105	**0.077**	9.86	33.5	0.163			0.299		0.740	0.0900	32.4	**0.00075**	0.00230	**0.155**		0.0911
05/21/08	6.07	3.18	143	119.2	3.18	49.1	141	124	**0.075**	10.7	33.1	0.189			0.314		0.790	0.117	33.4	**0.00250**	**0.00250**	**0.155**	**0.075**	**0.0155**
08/28/08	5.92	3.12	135	94.9	3.12	49.0	142	80.0	0.313	12.0	33.1	0.0386			0.283		0.784	0.093	35.6	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0155**
10/21/08	5.95	2.49	139	198.9	2.49	49.0	148	97.5	**0.079**	12.9	33.1	0.146			0.284		0.713	0.094	32.7	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
Mean	5.98	2.88	126	135	3	50.4	139	107	0.248	16.9	33.6	0.138	0.0155	0.0837	0.303	0.355	0.799	0.094	34.1	0.00140	0.00138	0.164	0.133	0.0322
Median	5.96	2.87	135	121	3	49.2	140	110	0.078	14.5	33.1	0.115	0.0155	0.0810	0.302	0.355	0.787	0.090	33.7	0.00100	0.00125	0.155	0.075	0.0155
St. Deviation	0.29	0.5	26	76	0	3.4	8	15	0.408	7.5	3.3	0.082	0	0.0351	0.015	0.021	0.077	0.015	1.6	0.00080	0.00074	0.049	0.101	0.0254
# of values	14	14	14	14	14	14	14	14	14	14	14	14	3	3	14	2	14	14	14	14	14	14	3	14
Minimum	5.47	1.88	78	20.2	1.88	46.1	120	80.0	0.075	7.50	30.0	0.0386	0.0155	0.0500	0.28	0.340	0.687	0.069	32.4	0.00075	0.00075	0.11	0.075	0.0155
Maximum	6.82	3.92	147	250	3.92	58.0	152	130	1.60	32.8	44.0	0.386	0.0155	0.120	0.329	0.370	0.943	0.128	37.8	0.00300	0.00250	0.33	0.250	0.0911
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	79%	0%	0%	0%	100%	33%	0%	0%	0%	0%	0%	93%	93%	86%	100%	86%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	1	2	0	3	0	1	0	0	0	10	0	1	1	2	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.77
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-11SS																												
Sample Date																												
11/11/05	1000	6.04	0.0724	0.0444	0.98	**0.125**	14.9	3.62	0.0418	**0.0075**	0.0168	0.011	**3.4**	**1.55**	**0.0182**	**0.00775**	2890	2860	4.32	0.84	0.456	0.102	1.46	0.206	894	**12**	0.642	**0.05**
08/22/06	2.70	2.50	**0.0312**	**0.0272**	**0.155**	**0.155**	1.29	1.36	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2660	2780	1.81	0.409	0.0242	0.0236	0.244	0.194	**16.9**	**12.2**	**0.0500**	
11/01/06	16.0	2.33	**0.0250**	0.0582	0.769	**0.355**	3.05	2.94	**0.0125**	**0.0125**	**0.0075**	**0.0182**	**1.25**	**1.25**	**0.0185**	**0.0185**	2560	2700	1.80	0.947	0.0336	0.0232	0.352	0.148	29.8	**10.0**	**0.0500**	**0.0500**
08/21/07	4.67	**1.00**	**0.0332**	**0.0290**	**0.155**	**0.155**	1.25	1.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2330	2290	1.72	0.878	**0.0176**	**0.0146**	0.410	0.184	**10.0**	**10.0**	**0.0500**	**0.0155**
03/20/08	2.41	**0.873**	**0.0350**	0.0510	**0.311**	**0.155**	1.13	1.05	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0280**	**0.0075**	2460	2370	0.879	0.673	**0.0122**	**0.0136**	0.356	0.220	**12.1**	**11.2**	**0.0460**	**0.0155**
05/18/08	25.6	2.03	**0.0486**	**0.0323**	**0.414**	**0.342**	1.29	1.11	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2120	1990	3.05	0.669	0.0405	**0.0154**	0.542	0.193	44.7	**12.9**	0.136	**0.0500**
08/24/08	5.73	**1.00**	0.0624	**0.0297**	**0.332**	**0.419**	1.18	0.992	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2320	2270	1.60	0.773	**0.0175**	**0.0132**	1.03	0.137	**18.2**	**7.58**	**0.0788**	**0.0155**
10/22/08	4.55	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	1.14	1.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2540	2470	0.971	0.539	**0.0121**	**0.0130**	0.300	0.217	**12.3**	**8.26**	**0.0500**	**0.0155**
Mean	133	2.10	0.0416	0.0371	0.409	0.233	3.15	1.67	0.0162	0.0119	0.0087	0.0093	1.52	1.29	0.014	0.0103	2490	2470	2.02	0.716	0.0767	0.0273	0.587	0.187	129.8	10.5	0.140	0.0303
Median	5.20	1.50	0.0341	0.0310	0.322	0.155	1.27	1.16	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.013	0.0075	2500	2420	1.76	0.723	0.0209	0.015	0.383	0.194	17.6	10.6	0.050	0.0155
St. Deviation	351	1.70	0.0177	0.0124	0.308	0.118	4.79	1.02	0.0104	0.0018	0.0033	0.0038	0.76	0.11	0.008	0.0051	240	300	1.14	0.180	0.154	0.0305	0.431	0.030	309	1.9	0.210	0.0184
# of values	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7
Minimum	2.41	0.873	0.0250	0.0250	0.155	0.125	1.13	0.992	0.0125	0.0075	0.0075	0.0075	1.25	1.25	0.0075	0.0075	2120	1990	0.879	0.409	0.0121	0.0130	0.244	0.137	10.0	7.58	0.0460	0.0155
Maximum	1000	6.04	0.0724	0.0582	0.98	0.419	14.9	3.62	0.0418	0.0125	0.0168	0.0182	3.4	1.55	0.028	0.0185	2890	2860	4.32	0.947	0.456	0.102	1.46	0.22	894	12.9	0.642	0.05
%of values undetected	0%	38%	25%	13%	38%	63%	0%	0%	88%	100%	88%	75%	88%	100%	75%	100%	0%	0%	0%	0%	0%	0%	0%	0%	13%	25%	50%	100%
# of values between MDL and MRL	0	1	4	4	3	3	0	0	0	0	0	1	1	0	2	0	0	0	0	0	4	5	0	0	4	6	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.039	0.040	NA	NA	10.092034	8.6791493	NA	NA	0.995	0.956	1000	1000	0.113	0.133
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-12D																												
Sample Date																												
08/19/05	57.3	4.15	0.166	0.17	0.559	**0.25**	8.29	7.57	**0.021**	**0.0075**	**0.00155**	**0.00155**	**4.8**	11.3	**0.00775**	**0.00775**	14200	14800	4.67	2.18	0.279	0.317	1.27	0.877	68.5	28.5	**0.0518**	**0.061**
11/08/05	5.06	2.9	0.115	0.137	0.627	0.606	4.3	4.94	**0.0075**	**0.0075**	**0.00155**	0.0108	**4.2**	**1.55**	**0.00775**	**0.00775**	12800	15300	0.537	0.706	0.0962	0.104	1.03	0.986	**3.1**	**8.91**	**0.0155**	**0.05**
03/24/06	4.80		0.157	0.172	**0.447**	0.530	3.38	3.68	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0316**	13400	15000	0.913	0.574	0.104	0.120	1.34	1.37	**3.10**	**7.92**	**0.0130**	**0.0130**
05/19/06	4.36	5.41	0.145	0.143	**0.155**	0.588	2.80	3.12	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.70**	**0.75**	**0.0125**	**0.0125**	15700	14700	0.817	0.365	0.123	0.122	1.64	1.44	**3.10**	**13.4**	**0.0380**	
08/18/06	22.7	4.06	0.158	0.155	0.739	0.747	2.57	2.38	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	14300	14400	1.92	1.05	0.127	0.136	1.38	0.949	44.9	**9.49**	0.284	0.128
10/28/06	3.04	2.41	0.141	0.163	0.784	0.511	1.96	2.07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	13000	13200	**0.100**	**0.0500**	0.0880	0.0864	1.30	1.36	**3.10**	**10.0**	0.209	**0.0155**
03/13/07	13.0	6.82	0.171	0.162	0.584	0.581	2.03	1.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0228**	**0.0200**	13400	12800	1.19	0.508	0.117	0.0948	1.58	1.04	21.5	**3.10**	0.149	**0.0500**
05/12/07	4.06	3.41	0.165	0.166	0.619	0.642	1.80	2.06	**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0246**	**0.0234**	14500	14500	0.873	0.618	0.101	0.109	1.34	1.33	**10.0**		**0.0500**	**0.0500**
08/17/07	9.11	2.82	0.150	0.143	0.592	**0.449**	1.54	1.57	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.78**	**2.55**	**0.0216**	**0.0210**	12200	11900	0.670	0.261	0.0868	0.0864	1.43	1.13	25.9	**3.10**	**0.0500**	**0.0155**
11/10/07	**1.00**	**1.00**	0.123		**0.155**	0.644	1.46	1.49	**0.0448**		**0.0075**	**0.0075**	**1.25**	**2.60**	**0.0178**	**0.0342**	12600	13900	0.469	0.503	0.0594	0.0750	1.21	1.42	31.5	**12.5**	**0.0155**	**0.0155**
03/26/08	3.16	2.35	0.143	0.157	**0.428**	0.534	1.26	1.35	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.63**	**0.0297**	**0.0307**	12000	12900	0.312	0.216	0.0631	0.0711	1.33	1.25	52.5	59.6	**0.0155**	**0.0155**
05/21/08	3.64	2.84	0.124	0.149	0.562	0.565	1.23	1.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0181**	**0.0202**	12900	12900	0.445	0.339	0.0577	0.0564	1.45	1.44	40.0	21.2	**0.0155**	**0.0155**
08/28/08	3.44	2.33	0.198	0.165	**0.447**	**0.442**	1.14	1.09	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.79**	**2.70**	**0.0430**	**0.0337**	12800	12800	0.247	0.228	0.0551	0.0553	1.63	1.60	44.2	48.4	0.233	**0.0900**
10/21/08	4.43	2.85	0.131	0.179	0.517	0.600	1.03	1.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.54**	**0.0225**	**0.0304**	12600	14100	0.209	0.250	0.0497	0.0552	1.45	1.54	34.5	37.2	**0.0155**	**0.0155**
Mean	9.94	3.33	0.149	0.159	0.515	0.549	2.49	2.54	0.0150	0.0117	0.0079	0.0098	1.93	2.40	0.0198	0.0222	13300	13800	0.955	0.561	0.101	0.106	1.38	1.27	27.6	20.3	0.0825	0.0412
Median	4.40	2.85	0.148	0.162	0.561	0.573	1.88	2.01	0.0125	0.0125	0.0075	0.0075	1.25	1.40	0.0185	0.0206	13000	14000	0.604	0.434	0.0921	0.0906	1.36	1.35	28.7	12.5	0.0440	0.0155
St. Deviation	14.7	1.50	0.022	0.013	0.183	0.117	1.92	1.82	0.0090	0.0019	0.0054	0.0067	1.24	2.66	0.0091	0.0090	1000	1000	1.17	0.53	0.0577	0.066	0.17	0.23	21.2	18.0	0.0945	0.0357
# of values	14	13	14	13	14	14	14	14	14	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13	14	13
Minimum	1.00	1.00	0.115	0.137	0.155	0.25	1.03	1.09	0.0075	0.0075	0.00155	0.00155	0.75	0.75	0.00775	0.00775	12000	11900	0.100	0.05	0.0497	0.0552	1.03	0.877	3.10	3.10	0.013	0.013
Maximum	57.3	6.82	0.198	0.179	0.784	0.747	8.29	7.57	0.0448	0.0125	0.0250	0.0250	4.8	11.3	0.0430	0.0342	15700	15300	4.67	2.18	0.279	0.317	1.64	1.60	68.5	59.6	0.284	0.128
%of values undetected	7%	8%	0%	0%	14%	7%	0%	0%	86%	100%	100%	93%	64%	57%	43%	36%	0%	0%	7%	7%	0%	0%	0%	0%	36%	23%	57%	77%
# of values between MDL and MRL	0	0	0	0	3	2	0	0	2	0	0	0	5	5	8	9	0	0	0	0	0	0	0	0	0	5	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.154	0.144	NA	NA	10.98	10.56276	NA	NA	4.854	4.660	1000	1000	1.202	1.085
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-11SS																													
Sample Date																													
11/11/05		713	553	52	22.2	**0.031**	**0.031**	0.26	0.227	2.37	1.17	555	309	**0.0775**	**0.0775**	5700	**0.0152**	**0.0031**	1840	1830	**0.0154**	**0.0031**	**0.031**	**0.031**	1.31	**0.1**	25.6	20.7
08/22/06		531	538	1.34	1.39	**0.000475**	**0.000475**	0.113	0.119	1.26	1.07	194	206	**0.155**	**0.155**	5530	**0.00310**	**0.00310**	1460	1480	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.56	
11/01/06		528	528	12.2	11.8	**0.00106**	**0.000475**	0.175	0.136	1.18	0.778	228	230	**0.155**	**0.155**	5040	**0.00310**	**0.00310**	1540	1560	**0.0102**	**0.00500**	**0.0500**	**0.0500**	1.06	**0.250**	7.54	7.11
08/21/07		450	448	0.435	0.385	**0.000169**	**0.000475**	0.0962	0.0946	0.773	0.596	167	160	**0.155**	**0.155**	4920	**0.00310**	**0.00310**	1380	1380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	7.36	2.22
03/20/08		497	485	0.271	0.267	**0.000750**	**0.000750**	0.0888	0.0916	0.853	0.570	169	169	**0.155**	**0.155**	4840	**0.00310**	**0.00310**	1400	1360	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.75	1.77
05/18/08		433	406	1.59	0.682	**0.000750**	**0.000750**	0.167	0.126	1.77	0.788	163	150	**0.155**	**0.155**	4760	**0.00310**	**0.00310**	1300	1230	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.22	**0.500**
08/24/08		479	442	0.542	0.219	**0.000750**	**0.000750**	0.112	0.0923	0.898	0.687	170	154	**0.155**	**0.155**	4510	**0.00310**	**0.00310**	1380	1300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.04	**0.500**
10/22/08		556	555	0.281	0.255	**0.00161**	**0.000750**	0.0922	0.0898	0.527	0.577	175	164	**0.155**	**0.155**	5310	**0.00310**	**0.00310**	1560	1580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.52	1.58
Mean		523	494	8.58	4.65	0.0046	0.00443	0.138	0.122	1.20	0.780	228	193	0.145	0.145	5080	0.00461	0.00310	1480	1470	0.00695	0.00476	0.0476	0.0476	0.424	0.172	6.07	4.91
Median		513	507	0.94	0.534	0.0008	0.00075	0.113	0.107	1.04	0.733	173	167	0.155	0.155	4980	0.00310	0.00310	1430	1430	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.90	1.77
St. Deviation		87	57	18	8.123	0.0107	0.01074	0.059	0.046	0.60	0.228	134	55	0.027	0.027	410	0.00428	0	170	190	0.00387	0.00067	0.0067	0.0067	0.475	0.052	8.32	7.32
# of values		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7
Minimum		433	406	0.271	0.219	0.000169	0.0004745	0.0888	0.0898	0.527	0.57	163	150	0.0775	0.0775	4510	0.0031	0.0031	1300	1230	0.005	0.0031	0.031	0.031	0.155	0.1	1.22	0.5
Maximum		713	555	52	22.2	0.031	0.031	0.26	0.227	2.37	1.17	555	309	0.155	0.155	5700	0.0152	0.0031	1840	1830	0.0154	0.005	0.05	0.05	1.31	0.25	25.6	20.7
% of values undetected		0%	0%	0%	0%	75%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	88%	100%	0%	0%	75%	100%	100%	100%	75%	100%	0%	29%
# of values between MDL and MRL		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	5.69	5.67	NA	NA	5	4.6	NA	0.0449047	0.038	NA	NA	NA	NA	NA	NA	NA	NA	13.03	12.85
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	14%
% of DWS exceedences		0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-12D																													
Sample Date																													
08/19/05		4520	4370	21.6	21.3	**0.031**	**0.031**	12.9	13	3.1	3.17	1010	995	1.52	1.66	13900	**0.0031**	**0.0031**	7020	6800	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.343**	**0.1**	2.2	2.43
11/08/05		3890	4650	12	13.7	**0.031**	**0.031**	11.2	13.1	1.2	1.42	845		1.55	1.58	15200	**0.0031**	**0.0031**	5700	6670	**0.0031**	**0.0072**	**0.031**	**0.031**	0.464		**0.75**	1.81
03/24/06		4040	4590	16.2	17.6	**0.000475**	**0.000475**	11.7	13.6	1.26	1.38	895	988	1.20	1.43	12600	**0.00310**	**0.00310**	5850	6550	**0.00250**	**0.00250**	**0.0500**	**0.0500**	0.539	0.672	2.02	1.39
05/19/06		4550	4740	18.4	18.2	**0.000475**	**0.00120**	13.1	13.2	1.14	1.14	1080	1040	1.33	1.51	8280	**0.00310**	**0.00310**	6710	6930	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.811	0.792	1.13	
08/18/06		4200	4220	16.9	16.6	**0.000475**	**0.000475**	13.0	13.0	1.72	2.09	948	969	1.54	1.39	12300	**0.00310**	**0.00310**	6020	6060	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.854**	**0.978**	2.77	
10/28/06		4070	3630	12.7	12.9	**0.00196**	**0.000475**	12.9	12.8	0.937	1.09	865	873	1.26	1.36	13400	**0.00310**	**0.00310**	5600	4970	**0.0162**	**0.00500**	**0.0500**	**0.0500**	1.27	**0.842**	**0.500**	1.26
03/13/07		4230	4180	14.2	12.9	**0.000628**	**0.000475**	13.9	12.7	1.50	1.23	891	810	1.49	1.43	13400	**0.00310**	**0.00310**	6020	5900	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.00	1.05	1.53	1.06
05/12/07		4150	4160	14.2	14.6	**0.000169**	**0.000475**	13.6	14.8	1.23	1.34	872	891	1.48	1.60	12500	**0.00780**	**0.00310**	5780	5800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.455**	**0.454**	1.10	1.01
08/17/07		3980	3940	10.9	10.3	**0.00250**	**0.000475**	13.0	13.1	1.04	0.993	787	779	1.30	1.26	13400	**0.00310**	**0.00310**	5570	5610	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.697**	**0.578**	2.80	**0.500**
11/10/07		3590	4270	8.58	8.49	**0.000491**	**0.00103**	12.4	13.2	0.730	0.753	888	1040	1.63	2.06	13800	**0.00310**	**0.0102**	4910	5930	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.416**	**0.155**	**0.500**	1.46
03/26/08		4140	4570	7.12	7.83	**0.000750**	**0.000750**	12.6	13.9	0.924		846	931	1.30	1.51	14200	**0.00310**	**0.00310**	5960	6580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.653**	**0.575**	1.71	1.42
05/21/08		4070	4120	7.36	7.29	**0.000750**	**0.000750**	13.5	13.2	0.785	0.681	876	888	1.47	1.33	13000	**0.00310**	**0.00310**	5710	5740	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.520**	**0.447**	1.03	**0.500**
08/28/08		4140	3990	6.05	6.08	**0.000750**	**0.000750**	12.8	13.3	0.792	0.807	873	851	1.60	1.5	12500	**0.00310**	**0.00310**	5690	5540	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.481**	**0.478**	1.99	**0.500**
10/21/08		4250	4600	5.79	6.18	**0.000750**	**0.000750**	13.4	14.4	0.853	1.02	868	949	1.32	1.51	14000	**0.00310**	**0.00310**	5820	6280	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.491**	**0.521**	1.04	**0.500**
Mean		4130	4290	12.3	12.4	0.0052	0.0050	12.9	13.4	1.23	1.32	896	923	1.43	1.51	13000	0.00344	0.00361	5880	6100	0.00517	0.00466	0.0448	0.0448	0.642	0.588	1.51	1.15
Median		4140	4250	12.4	12.9	0.0008	0.0008	13.0	13.2	1.09	1.14	875	931	1.48	1.51	13400	0.00310	0.00310	5800	6000	0.00500	0.00500	0.0500	0.0500	0.530	0.575	1.33	1.16
St. Deviation		240	320	4.9	4.9	0.0110	0.0110	0.7	0.6	0.61	0.67	73	83	0.14	0.19	1600	0.00126	0.00190	500	560	0.00334	0.00122	0.0109	0.0109	0.260	0.283	0.77	0.61
# of values		14	14	14	14	14	14	14	14	14	13	14	13	14	14	14	14	14	14	14	14	14	14	14	14	13	14	12
Minimum		3590	3630	5.79	6.08	0.000169	0.0004745	11.2	12.7	0.73	0.681	787	779	1.20	1.26	8280	0.00310	0.00310	4910	4970	0.00250	0.00250	0.0155	0.0155	0.343	0.1	0.500	0.500
Maximum		4550	4740	21.6	21.3	0.031	0.031	13.9	14.8	3.1	3.17	1080	1040	1.63	2.06	15200	0.00780	0.0102	7020	6930	0.0162	0.0072	0.0500	0.0500	1.27	1.05	2.80	2.43
% of values undetected		0%	0%	0%	0%	79%	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	93%	93%	0%	0%	93%	93%	100%	100%	0%	15%	21%	33%
# of values between MDL and MRL		0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	9	8	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	27.32	27.24	NA	NA	5	4.6	NA	1.0896877	0.926	NA	NA	NA	NA	NA	NA	NA	NA	62.69	61.81
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters / Total/Dissolved / Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-05-12S																									
	Sample Date																								
	08/19/05	7.31	4.95	662	15	4.95	349	750	498	2.40	**8.25**	178	**0.0335**			0.052		0.878	0.188	214	**0.00125**	**0.00125**	**0.19**		**0.0155**
	11/09/05	7.40	2.36	727	91	2.36	302	700	499	41.8	9.38	182	**0.05**			0.41		0.833	0.228	216	**0.00125**	**0.00125**	**0.18**		**0.0155**
	03/24/06	6.98	2.56	677	97	2.56	368	400	478	13.5	7.75	34.0	**0.0155**			0.0710		0.757	0.123	204	**0.00125**	**0.00125**	**0.38**		0.125
	05/19/06	6.41	3.18	652	142.4	3.18	323	650	448	15.1	**3.25**	178	**0.050**			0.0779		0.747	0.226	174	**0.00125**	**0.00125**	**0.155**		**0.0330**
	08/18/06	6.63	3.52	637	100.3	3.52	332	600	451	10.7	**8.00**	185	**0.0155**	**0.0155**	**0.0155**	0.0900	**0.05**	0.733	0.193	186	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/28/06	6.98	2.62	670	152.5	2.62	353	600	452	10.7	**9.50**	175	**0.0155**	**0.0155**	**0.0155**	0.0800		2.28	0.705	197	**0.00075**	**0.00075**	**0.155**		**0.0500**
	03/12/07	7.25	1.87	341	-21.0	1.87	309	450	411	10.7	**7.50**	166	**0.0495**	**0.0155**	**0.0360**	0.0660		0.588	0.194	127	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/12/07	7.22	3.05	323	-110.7	3.05	292	500	369	2.80	**1.57**	158	**0.050**			0.0452		0.716	0.213	139	**0.00250**	**0.00250**	**0.155**		**0.0155**
	08/17/07	7.14	3.29	360	17.15	3.29	306	600	409	3.70	15.8	175	**0.0440**			0.0696		0.573	0.206	155	**0.00075**	**0.00075**	**0.155**		**0.0745**
	11/10/07	7.01	2.26	598	64.8	2.26	318	600	428	2.70	**7.50**	171	**0.0155**			0.0734		0.640	0.223	171	**0.00075**	**0.00075**	**0.155**		**0.0490**
	03/26/08	7.09	2.10	627	16.5	2.10	337	712	444	1.17	**4.40**	183	**0.0720**			0.0671		0.628	0.205	183	**0.00075**	**0.00075**	**0.155**		0.118
	05/21/08	7.26	2.94	665	-82.7	2.94	340	693	449	**0.400**	**5.13**	189	**0.0155**			0.0647		0.598	0.212	172	**0.00075**	**0.00075**	**0.155**	0.516	**0.0155**
	08/28/08	7.32	3.06	672	-159.9	3.06	307	676	419	1.27	**7.26**	194	**0.0100**			0.135		0.645	0.240	181	**0.00075**	**0.00075**	**0.155**	0.516	**0.0369**
	10/21/08	7.46	2.09	629	-26.6	2.09	332	650	414	0.619	**6.28**	192	**0.0155**			0.0649		0.594	0.213	161	**0.00075**	**0.00075**	**0.610**	**0.075**	**0.0500**
	Mean	7.10	2.85	589	21.1	0	326	610	441	8.40	7.26	169	0.0323	0.0155	0.0223	0.0976	0.05	0.801	0.241	177	0.00102	0.00102	0.208	0.369	0.0450
	Median	7.18	2.78	645	16.8	0	328	630	446	3.25	7.50	178	0.0245	0.0155	0.0155	0.0703	0.050	0.681	0.213	178	0.00075	0.00075	0.155	0.516	0.0350
	St. Deviation	0.29	0.79	137	94.4	0	22	100	36	10.9	3.36	40	0.0199	0	0.0118	0.0923	NA	0.436	0.136	26	0.00049	0.00049	0.130	0.255	0.0373
	# of values	14	14	14	14	14	14	14	14	14	14	14	14	3	3	14	1	14	14	14	14	14	14	3	14
	Minimum	6.41	1.87	323	-159.9	1.87	292	400	369	0.400	1.57	34	0.0100	0.0155	0.0155	0.0452	0.0500	0.573	0.123	127	0.00075	0.00075	0.155	0.075	0.0155
	Maximum	7.46	4.95	727	152.5	4.95	368	750	499	41.8	15.8	194	0.0720	0.0155	0.0360	0.41	0.050	2.28	0.705	216	0.00250	0.00250	0.610	0.516	0.125
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	71%	100%	67%	0%	100%	0%	0%	0%	100%	100%	71%	33%	57%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	1	10	0	4	0	1	0	0	0	0	0	0	0	4	0	4
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	4.66
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-13D																									
	Sample Date																								
	08/22/05	7.92	3.64	102	-2.3	3.64	74.8	335	250	63.0	**0.785**	40	**0.078**			**0.0085**		0.792	**0.057**	8.19	**0.00125**	**0.00125**	**0.38**		**0.0155**
	11/12/05	6.53	4.51	64	166	4.51	20.2	55	51.3	13.8	**3.88**	26.7	0.158			**0.018**		0.756	**0.035**	3.92	**0.00125**	**0.00125**	**0.39**		**0.0155**
	03/21/06	6.24	3.10	55	103	3.10	18.4	20.0	41.2	7.60	**4.50**	21.0	0.146			0.0160		0.745	**0.0155**	3.80	**0.00125**	**0.00125**	1.1		**0.0155**
	05/22/06	5.81	3.16	50	286	3.16	19.4	60.0	37.5	45.5	7.75	23.0	0.204			0.0106		0.760	**0.0380**	3.57	**0.00125**	**0.00125**	**0.155**		**0.0155**
	08/24/06	6.30	3.14	45	191.4	3.14	18.9	50.0	62.5	2.10	**6.50**	24.0	0.135	**0.0155**	0.135	**0.0067**	**0.0155**	0.773	**0.0680**	3.32	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/31/06	6.48	4.95	47	259.5	4.95	18.9	47.0	32.5	0.800	**5.75**	22.0	0.170	**0.0155**	0.158	0.0240	**0.05**	0.637	**0.0155**	2.63	**0.00075**	**0.00075**	**0.155**		**0.0465**
	03/18/07	6.43	3.07	28	173.1	3.07	17.0	47.0	23.8	1.10	**6.25**	22.0	0.156	**0.0155**	0.159	0.0180	**0.0155**	0.659	**0.0155**	2.76	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/11/07	6.40	2.96	29	169.4	2.96	18.2	49.0	35.0	**0.300**	**1.57**	22.0	0.164			0.0110		0.808	**0.0390**	3.01	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/22/07	6.23	3.17	27	154.1	3.17	18.5	46.0	25.0	**0.075**	**4.50**	18.1	0.123			**0.0045**		0.562	**0.0310**	2.50	**0.00075**	**0.00075**	**0.155**		**0.0393**
	11/14/07	5.59	4.61	48	222.9	4.61	18.3	485	48.8	0.700	**5.50**	21.3	0.156			0.0189		0.646	**0.0155**	2.64	**0.00150**	**0.00075**	**0.155**		**0.0155**
	03/22/08	6.61	2.88	40	-203.1	2.88	18.0	49.7	38.8	4.82	**5.84**	20.7	0.208			0.0146		0.644	**0.0155**	2.60	**0.00075**	**0.00075**	**0.310**		**0.0155**
	05/17/08	6.73	2.85	53	136.6	2.85	19.6	49.9	40.0	1.80	**1.57**	21.9	0.175			0.0102		0.652	**0.0155**	2.79	0.00510	**0.00075**	**0.155**	**0.250**	**0.0155**
	08/24/08	6.40	3.59	45	188.4	3.59	16.0	43.8	37.5	**0.308**	**3.84**	20.7	0.193			0.0126		0.413	**0.0155**	2.67	**0.00250**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/15/08	6.19	3.40	45	113.9	3.40	17.5	50.7	26.3	**0.1665**	**4.32**	20.4	0.180			**0.0060**		0.512	**0.0155**	2.39	**0.00075**	**0.00250**	**0.155**	**0.154**	**0.0155**
	Mean	6.42	3.50	48	139.9	4.00	22.4	99.2	53.6	10.1	4.47	23.0	0.160	0.0155	0.151	0.0128	0.027	0.669	0.0280	3.34	0.00140	0.00102	0.266	0.218	0.0219
	Median	6.40	3.17	46	167.7	3	18.5	49.8	38.2	1.50	4.50	22.0	0.161	0.0155	0.158	0.0118	0.0155	0.656	0.0155	2.78	0.00100	0.00075	0.155	0.250	0.0155
	St. Deviation	0.53	0.69	19	121	1	15.1	135.2	57.5	19.4	2.03	5.0	0.034	0	0.014	0.0057	0.0199	0.115	0.0175	1.48	0.00120	0.00049	0.256	0.055	0.0129
	# of values	14	14	14	14	14	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	3	14
	Minimum	5.59	2.85	27	-203.1	2.85	16.0	20.0	23.8	0.075	0.785	18.1	0.078	0.0155	0.135	0.0045	0.0155	0.413	0.0155	2.39	0.00075	0.00075	0.155	0.154	0.0155
	Maximum	7.92	4.95	102	286	4.95	74.8	485	250	63.0	7.75	40	0.208	0.0155	0.159	0.0240	0.0500	0.808	0.0680	8.19	0.00510	0.00250	1.1	0.250	0.0500
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	14%	21%	0%	0%	100%	0%	0%	100%	0%	57%	0%	86%	100%	71%	67%	86%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	2	10	0	1	0	0	5	0	0	6	0	1	0	3	1	2
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	5.54
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-12S																													
Sample Date																													
08/19/05	201	3.05	0.0806	0.0762	1.26	1.08	41.5	40.1	**0.0075**	**0.0075**	0.0158	**0.005**	**5**	**6.6**	**0.00775**	**0.00775**	85300	67000	0.834	0.673	1.68	1.68	3.94	1.43	282	58.8	0.118	**0.082**
11/09/05	2180	3.9	0.136	0.0646	3.25	1.31	61.2	40.1	0.0626	**0.0075**	0.0174	**0.00155**	**8.3**	13.8	**0.00775**	**0.00775**	75400	86300	8.95	0.485	1.84	0.797	32	1.54	3100	52.4	1.27	**0.05**
03/24/06	601	3.26	0.0840	**0.0482**	1.04	0.649	43.8	42.8	**0.0120**	**0.0120**	**0.0250**	**0.0075**	7.16	7.91	**0.0125**	**0.0125**	89100	82400	3.01	0.714	0.988	0.725	5.12	0.383	892	108	0.235	**0.0130**
05/19/06	724	2.85	0.0962	0.0592	1.70	0.545	41.3	34.0	**0.0120**	**0.0120**	**0.0075**	**0.0075**	7.31	7.70	**0.0125**	**0.0125**	74600	73600	2.92	0.461	0.914	0.548	14.3	0.975	1170	145	0.426	**0.0130**
08/18/06	680	2.13	0.0718	**0.0374**	1.59	1.05	39.1	37.3	**0.0316**	**0.0125**	**0.0075**	**0.0075**	7.52	7.59	**0.0185**	**0.0185**	81300	91000	1.67	0.399	0.737	0.482	13.6	1.12	1070	174	0.422	**0.0500**
10/28/06	1200	**1.00**	0.0960	**0.0250**	1.33	**0.155**	51.0	35.9	**0.0366**	**0.0125**	**0.0286**	**0.0190**	8.59	7.45	**0.0185**	**0.0185**	87800	95000	2.57	**0.050**	1.03	0.378	23.9	0.716	1810	101	0.826	**0.0155**
03/12/07	632	6.43	0.108	**0.050**	1.47	1.21	37.7	34.1	**0.0250**	**0.0250**	**0.0150**	**0.0150**	**8.29**	**8.51**	**0.0150**	**0.0150**	77500	80400	2.66	0.421	**0.533**	0.353	11.0	0.771	1220	128	0.449	**0.0620**
05/12/07	176	**1.00**	0.0940	0.0738	1.01	0.891	38.0	32.9	**0.0125**	**0.0125**	**0.0075**	**0.0075**	8.38	8.61	**0.0234**	**0.0186**	71200	70700	1.41	**0.050**	0.474	0.275	6.87	0.260	573	63.0	0.217	**0.0155**
08/17/07	366	**1.00**	0.0680	0.0516	1.55	1.20	36.3	32.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	9.18	9.16	**0.0214**	**0.0168**	77600	75900	1.59	**0.138**	0.409	0.231	6.64	0.220	537	61.3	0.229	**0.0155**
11/10/07	166	2.14	**0.0442**	**0.0452**	1.38	1.13	36.3	35.8	**0.0125**	**0.0125**	**0.0075**	**0.0075**	9.26	9.87	**0.0160**	**0.0075**	83200	82900	0.694	0.267	0.287	0.208	2.79	0.367	394	191	0.111	**0.0155**
03/26/08	29.1	**1.24**	**0.0300**	**0.0300**	**1.26**	**0.62**	33.8	32.7	**0.0500**	**0.0500**	**0.0300**	**0.0300**	**5.00**	**5.00**	**0.0300**	**0.0300**	87200	80700	**0.200**	**0.200**	0.201	0.193	1.12	0.624	293	264	**0.0620**	**0.0620**
05/21/08	13.5	**1.00**	**0.0075**	**0.0075**	1.17	1.19	35.3	37.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	9.18	9.87	**0.0075**	**0.0075**	86300	91600	0.608	0.306	0.193	0.200	0.877	0.590	310	313	**0.0155**	**0.0155**
08/28/08	42.9	**1.00**	**0.0075**	**0.0260**	0.831	0.851	31.0	33.3	**0.0125**	**0.0125**	**0.0075**	**0.0075**	7.76	10.3	**0.0191**	**0.0186**	77200	81900	0.288	**0.100**	0.198	0.200	1.24	0.764	332	344	**0.0507**	**0.0155**
10/21/08	27.4	**1.91**	**0.0250**	**0.0250**	1.07	1.20	32.7	34.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	9.39	9.44	**0.0172**	**0.0191**	84400	86200	0.268	**0.138**	0.213	0.196	1.27	0.648	292	277	**0.0155**	**0.0155**
Mean		503	2.28	0.068	0.0443	1.42	0.93	39.9	35.9	0.0223	0.0153	0.0137	0.0099	7.88	8.70	0.0162	0.015	81300	81800	1.98	0.314	0.693	0.462	8.90	0.743	877	163	0.318	0.0310
Median		284	2.02	0.076	0.0467	1.30	1.07	37.9	35.0	0.0125	0.0125	0.0075	0.0075	8.30	8.56	0.0166	0.0159	82300	82200	1.50	0.287	0.504	0.314	5.88	0.682	555	137	0.223	0.0160
St. Deviation		597	1.55	0.039	0.0202	0.58	0.33	7.90	3.20	0.0169	0.0108	0.0085	0.0071	1.42	2.05	0.0064	0.0064	5700	8100	2.25	0.219	0.543	0.404	9.37	0.405	792	100	0.354	0.0240
# of values		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Minimum		13.5	1.00	0.0075	0.0075	0.831	0.155	31.0	32.1	0.0075	0.0075	0.0075	0.00155	5.00	5.00	0.0075	0.0075	71200	67000	0.200	0.05	0.193	0.193	0.877	0.22	282	52.4	0.0155	0.0130
Maximum		2180	6.43	0.136	0.0762	3.25	1.31	61.2	42.8	0.0626	0.05	0.03	0.03	9.39	13.8	0.0300	0.0300	89100	95000	8.95	0.714	1.84	1.68	32	1.54	3100	344	1.27	0.082
%of values undetected		0%	43%	29%	36%	0%	14%	0%	0%	79%	100%	79%	93%	14%	7%	64%	71%	0%	0%	7%	29%	0%	0%	0%	0%	0%	0%	21%	93%
# of values between MDL and MRL		0	1	1	4	1	0	0	0	2	0	1	1	2	2	5	4	0	0	0	2	1	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.608	0.524	NA	NA	10.98	10.56276	NA	NA	23.750	22.800	1000	1000	12.801	8.086
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	36%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-13D																													
Sample Date																													
08/22/05	26700	818	0.185	0.0378	1.87	0.619	28.3	3.86	2.19	0.045	0.333	**0.005**	16	11.3	0.917	**0.00775**	20200	6410	8.74	0.42	3.87	0.146	7.05	0.613	7500	174	11.3	0.515
11/12/05	1120	8.2	0.0892	0.0698	**0.125**	**0.125**	4.94	4.57	0.0404	**0.0075**	0.0148	**0.005**	**5.4**	**6.8**	**0.00775**	**0.00775**	6160	6320	1.05	0.582	0.0726	0.0462	0.569	0.316	302	**3.1**	0.33	**0.05**
03/21/06	639	**1.00**	**0.0452**	**0.0372**	**0.155**	**0.155**	4.85	4.74	0.0354	**0.0120**	**0.0250**	**0.0250**	**2.50**	**2.50**	**0.0125**	**0.0125**	5670	5970	5.51	0.739	0.0888	0.0398	1.18	0.368	147	**10.0**	0.363	**0.0130**
05/22/06	148	2.90	0.0838	**0.0308**	**0.155**	**0.155**	4.18	3.83	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**3.18**	**1.79**	**0.0125**	**0.0125**	6210	6280	1.19	0.469	0.0712	0.0266	0.831	0.416	56.7	**3.10**	0.336	0.139
08/24/06	95.4	**1.00**	0.0554	**0.0318**	**0.155**	**0.155**	4.07	4.29	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5960	7150	1.70	0.940	0.0514	0.0332	0.763	0.357	62.2	**3.10**	0.195	**0.0500**
10/31/06	32.0	**1.00**	**0.0075**	**0.0075**	**0.395**	**0.155**	3.76	3.36	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6140	5540	1.53	**0.050**	0.0466	**0.0152**	0.906	0.254	32.7	**3.10**	0.119	**0.0500**
03/18/07	15.5	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	2.99	3.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5420	5680	0.753	**0.050**	0.0284	**0.0100**	1.17	0.239	**10.0**	**3.10**	**0.0500**	**0.0155**
05/11/07	13.6	2.49	**0.0266**	**0.0432**	**0.155**	**0.155**	2.84	2.88	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5800	6020	1.30	0.353	0.0260	**0.0100**	1.82	0.302	**10.0**	**10.0**	**0.0500**	
08/22/07	7.91	**1.00**	**0.0214**	**0.0150**	**0.155**	**0.155**	2.61	2.51	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5950	5670	0.431	0.366	0.0296	**0.0148**	0.972	0.304	**10.0**	**10.0**	**0.0500**	**0.0155**
11/14/07	18.3	**1.00**	**0.0278**	**0.0282**	**0.155**	**0.155**	3.02	3.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5910	6340	0.583	0.217	0.0218	**0.0164**	1.09	0.252	**17.1**	**9.30**	**0.0500**	**0.0155**
03/22/08	156	2.42	**0.0314**	**0.0222**	**0.155**	**0.155**	3.74	2.39	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5630	5260	2.93	0.461	0.0817	**0.0166**	1.86	0.238	106	**18.2**	0.319	**0.0155**
05/17/08	82.6	2.04	**0.0075**	**0.0075**	**0.155**	**0.155**	2.54	2.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6220	5920	3.99	0.525	0.0398	0.0215	0.757	0.290	46.9	20.2	0.106	**0.0155**
08/24/08	3.29	**1.00**	**0.0209**	**0.0075**	**0.155**	**0.155**	2.46	2.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5080	5680	1.48	0.250	0.0209	**0.0167**	0.615	0.512	22.5	**17.3**	**0.0155**	**0.0155**
10/15/08	3.32	**0.946**	**0.0075**	**0.0250**	**0.155**	**0.155**	2.13	1.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5500	5030	1.32	**0.168**	**0.0181**	**0.0139**	0.684	0.224	**18.1**	**11.9**	**0.0155**	**0.0155**
Mean		2074	60.0	0.0453	0.0278	0.293	0.186	5.17	3.23	0.1716	0.0144	0.0325	0.0084	2.83	2.49	0.0748	0.0098	6850	5950	2.32	0.399	0.319	0.0305	1.45	0.335	596	21	0.950	0.0712
Median		57.3	1.00	0.0272	0.0266	0.155	0.155	3.38	3.05	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5930	5950	1.4	0.393	0.0432	0.0167	0.939	0.303	39.8	10	0.113	0.0155
St. Deviation		7095	218	0.0478	0.0168	0.459	0.125	6.72	0.90	0.5810	0.0089	0.0866	0.0049	3.97	2.94	0.242	0.0041	3860	540	2.32	0.252	1.02	0.035	1.66	0.113	1989	44	2.98	0.138
# of values		14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13
Minimum		3.29	0.946	0.0075	0.0075	0.125	0.125	2.13	1.92	0.012	0.0075	0.0075	0.005	1.25	1.25	0.0075	0.0075	5080	5030	0.431	0.050	0.0181	0.0100	0.569	0.224	10.0	3.10	0.0155	0.0130
Maximum		26700	818	0.185	0.0698	1.87	0.619	28.3	4.74	2.19	0.045	0.333	0.025	16	11.3	0.917	0.0185	20200	7150	8.74	0.940	3.87	0.146	7.05	0.613	7500	174	11.3	0.515
%of values undetected		0%	50%	29%	36%	86%	93%	0%	0%	79%	93%	86%	93%	79%	79%	93%	100%	0%	0%	0%	14%	0%	14%	0%	0%	21%	57%	43%	85%
# of values between MDL and MRL		0	1	6	7	1	0	0	0	0	0	0	1	2	2	0	0	0	0	0	1	1	6	0	0	2	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.072	0.070	NA	NA	10.98	10.56276	NA	NA	2.016	1.936	1000	1000	0.325	0.342
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		43%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	7%	0%	7%	0%	29%	8%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-12S																														
Sample Date																														
08/19/05	33000	24800	404	415	**0.031**	**0.031**	12.3	12.3	5.17	5.29	2590	2620	**0.0775**	**0.0775**	7350	**0.0031**	**0.0031**	17600	13500	**0.0031**	**0.0031**	**0.031**	**0.031**	0.746	**0.316**	3.01	2.73		
11/09/05	27700	32200	428	382	**0.031**	**0.031**	11.4	10.5	7.17	4.04	3090	2690	**0.0775**	**0.0775**	7620	**0.016**	**0.0031**	13900	15900	**0.0031**	**0.0031**	**0.031**	**0.031**	6.53	**0.1**	6.7	1.65		
03/24/06	35400	36200	322	335	**0.00250**	**0.000475**	9.66	9.44	3.66	2.50	2740	2540	**0.343**	**0.155**	7230	**0.0106**	**0.00310**	16100	16200	**0.00250**	**0.00250**	**0.0500**	**0.0500**	1.49	**0.110**	3.36	1.75		
05/19/06	33100	31900	311	287	**0.00306**	**0.000475**	9.47	9.12	3.49	2.28	2660	2640	**0.923**	**0.822**	6110	**0.0100**	**0.00310**	14900	14600	**0.00250**	**0.00250**	**0.0572**	**0.0532**	2.18	**0.110**	2.72	1.02		
08/18/06	31300	34800	316	321	**0.00143**	**0.000475**	9.41	10.2	2.71	2.24	2640	2780	**0.719**	**0.758**	7180	**0.0126**	**0.00310**	13700	15400	**0.00500**	**0.00500**	**0.0500**	**0.0500**	2.32	**0.250**	3.19	2.22		
10/28/06	32600	33000	283	231	**0.00185**	**0.000475**	8.35	8.23	4.52	2.78	2920	2700	1.05	**0.920**	6930	0.0274	**0.00310**	13800	14000	0.0222	**0.00500**	**0.0500**	**0.0500**	4.07	1.04	5.37	1.65		
03/12/07	28100	28900	254	256	**0.000169**	**0.000475**	8.31	8.71	3.56	3.34	2610	2650	**1.98**	2.24	7270	**0.00620**	**0.00620**	12800	13300	**0.0100**	**0.0100**	**0.100**	**0.100**	**1.87**	**0.310**	2.81	**1.00**		
05/12/07	27700	25200	217	185	**0.000169**	**0.000475**	8.87	8.49	3.55	2.69	2530	2470	4.04	4.31	7180	**0.00920**	**0.00310**	12500	11500	**0.0112**	**0.00500**	**0.0500**	**0.0500**	**0.680**	**0.155**	2.49	**0.500**		
08/17/07	27300	26100	266	245	**0.00250**	**0.000475**	9.94	9.84	2.78	2.57	2320	2070	1.63	1.76	7370	**0.00800**	**0.00310**	12200	12000	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.996**	**0.155**	1.80	1.13		
11/10/07	26800	29300	288	287	**0.000579**	**0.000475**	9.57	9.78	2.91	2.07	2600	2830	1.28	1.54	7660	**0.00310**	**0.00310**	12700	13800	**0.0144**	**0.00500**	**0.0500**	**0.0500**	**0.469**	**0.155**	1.84	1.48		
03/26/08	30300	30100	280	263	**0.000750**	**0.000750**	8.88	8.46	1.67	1.64	2770	2660	**0.620**	**0.62**	6610	**0.0124**	**0.0124**	13400	13100	**0.0200**	**0.0200**	**0.200**	**0.2000**	**1.32**	**0.620**	**1.34**	**0.620**		
05/21/08	30200	30700	268	283	**0.000750**	**0.000750**	9.32	9.95	1.79	1.83	2580	2710	**0.155**	**0.155**	7340	**0.00310**	**0.00310**	13000	13700	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.03	**0.500**		
08/28/08	27700	27900	247	253	**0.000750**	**0.00196**	8.29	9.22	1.69		2320	2430	**0.155**	**0.155**	6720	**0.00310**	**0.00310**	11700	12300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.80	1.14		
10/21/08	29300	29000	270	262	**0.000750**	**0.000750**	9.73	9.74	2.60	3.05	2560	2650	**0.155**	**0.155**	7030	**0.00310**	**0.00310**	13000	12900	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.48	1.61		
Mean	30000	30000	297	286	0.0055	0.0050	9.54	9.57	3.38	2.79	2640	2600	0.943	0.982	7110	0.00914	0.00399	13700	13700	0.00814	0.00580	0.0621	0.0618	1.65	0.270	2.85	1.36		
Median	29800	29700	282	273	0.0011	0.0005	9.44	9.59	3.20	2.57	2610	2650	0.670	0.689	7210	0.00860	0.00310	13200	13600	0.00500	0.00500	0.0500	0.0500	1.16	0.155	2.76	1.31		
St. Deviation	2700	3400	58	60	0.0108	0.0110	1.13	1.05	1.49	0.99	200	190	1.079	1.182	410	0.00678	0.00256	1600	1400	0.00653	0.00448	0.0427	0.0428	1.77	0.260	1.55	0.64		
# of values	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14			
Minimum	26800	24800	217	185	0.000169	0.0004745	8.29	8.23	1.67	1.64	2320	2070	0.0775	0.0775	6110	0.0031	0.0031	11700	11500	0.0025	0.0025	0.031	0.031	0.155	0.1	1.03	0.5		
Maximum	35400	36200	428	415	0.031	0.031	12.3	12.3	7.17	5.29	3090	2830	4.04	4.31	7660	0.0274	0.0124	17600	16200	0.0222	0.02	0.2	0.2	6.53	1.04	6.7	2.73		
%of values undetected	0%	0%	0%	0%	71%	93%	0%	0%	0%	0%	0%	0%	43%	50%	0%	57%	100%	0%	0%	79%	100%	93%	93%	21%	86%	0%	29%			
# of values between MDL and MRL	0	0	0	0	4	1	0	0	0	0	0	0	4	3	0	5	0	0	0	2	0	1	1	5	1	1	0			
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	131.57	131.18	NA	NA	5	4.6	NA	26.625896	22.632	NA	NA	NA	NA	NA	NA	NA	NA	302.65	298.41		
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA			
%of CALC exceedences	0%	0%	0%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
%of DWS exceedences	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			
MW-05-13D																														
Sample Date																														
08/22/05	5940	821	64.5	2.93	**0.031**	**0.1**	3.07	2.79	7.62	1.19	1840	471	**0.464**	**0.0775**	6020	0.272	**0.0031**	15800	15100	0.108	**0.0031**	2.95	**0.076**	27.3	3.17	60.5	2.63		
11/12/05	906	830	4.65	3.45	**0.031**	**0.031**	1.23	1.18	0.75		272	272	**0.0775**	**0.0775**	6020	**0.0136**	**0.0031**	4020	4070	**0.0031**	**0.0031**	**0.1**	**0.031**	1.17	1.02	1.76	**0.75**		
03/21/06	1030	1000	3.70	1.66	**0.000475**	**0.000475**	1.72	2.07	2.66	1.75	265	254	**0.155**	**0.155**	6610	**0.00720**	**0.00310**	3910	4340	**0.00250**	**0.00250**	0.140	**0.0155**	0.572	**0.110**	3.06	2.65		
05/22/06	951	937	4.66	1.21	**0.000475**	**0.00130**	1.95	1.72	1.63	0.594	253	248	**0.155**	**0.155**	6200	**0.00310**	**0.00310**	3250	3300	0.0210	**0.00250**	0.171	**0.0155**	0.563	**0.381**	1.09	1.47		
08/24/06	978	1100	6.24	1.06	**0.000475**	**0.000475**	1.54	1.76	0.948	0.988	226	269	**0.155**	**0.155**	6760	**0.0184**	**0.00310**	2890	3220	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.61			
10/31/06	859	851	4.74	0.793	**0.000475**	**0.000475**	1.27	1.36	1.11	0.481	227	197	**0.155**	**0.155**	4970	**0.00310**	**0.00310**	2550	2580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.953**	**0.557**	**0.500**	**0.500**		
03/18/07	844	883	2.27	0.656	**0.000555**	**0.000475**	1.65	1.79	0.656	0.597	220	233	**0.155**	**0.155**	6100	**0.00310**	**0.00310**	3080	3340	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.547**	**0.508**	2.14	1.30		
05/11/07	903	989	1.04	0.560	**0.000169**	**0.000475**	1.47	1.56	0.777	0.568	213	230	**0.155**	**0.155**	5880	**0.00310**	**0.00310**	2830	3150	0.0674	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.326**	**0.500**	**0.500**		
08/22/07	893	843	0.693	0.420	**0.000169**	**0.000475**	1.36	1.35	0.646	0.322	214	202	**0.155**	**0.155**	5490	**0.00310**	**0.00310**	2870	2640	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.01	1.06		
11/14/07	864	919	1.16	0.403	**0.000169**	**0.000475**	1.25	1.40	0.493	0.416	231	247	**0.155**	**0.155**	6390	**0.00310**	**0.00310**	2450	2650	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**		
03/22/08	969	806	10.4	0.561	**0.000750**	**0.000750**	1.45	1.32	1.56	0.669	257	211	**0.155**	**0.155**	5490	**0.00810**	**0.00310**	3060	2700	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.47	1.98		
05/17/08	985	918	1.08	0.734	**0.000750**	**0.000750**	1.39	1.29	1.93	1.00	248	229	**0.155**	**0.155**	6020	**0.00310**	**0.00310**	3340	3170	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**		
08/24/08	805	872	0.468	0.406	**0.000750**	**0.000750**	1.25	1.31	0.853	0.671	200	208	**0.155**	**0.155**	5680	**0.00310**	**0.00310**	2500	2740	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**		
10/15/08	903	809	0.428	0.286	**0.00216**	**0.000750**	1.20	1.07	0.753	0.468	202	183	**0.155**	**0.155**	5180	**0.00310**	**0.00310**	2750	2510	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.54	1.31		
Mean	1274	898	7.57	1.08	0.0050	0.0099	1.56	1.57	1.60	0.747	348	247	0.172	0.144	5920	0.0248	0.00310	3950	3970	0.0176	0.00440	0.276	0.0456	2.32	0.518	5.55	1.20		
Median	905	878	2.99	0.695	0.0005	0.0006	1.42	1.38	0.90	0.597	229	232	0.155	0.155	6020	0.00310	0.00310	2980	3160	0.00500	0.00500	0.0500	0.0500	0.203	0.203	1.51	1.06		
St. Deviation	1345	85	16.6	0.972	0.0110	0.0272	0.49	0.45	1.84	0.393	430	70	0.087	0.028	510	0.0713	0	3440	3250	0.0310	0.00100	0.771	0.0155	7.20	0.802	15.8	0.80		
# of values	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13			
Minimum	805	806	0.428	0.286	0.000169	0.0004745	1.20	1.07	0.493	0.322	200	183	0.0775	0.0775	4970	0.0031	0.0031	2450	2510	0.0025	0.0025	0.05	0.0155	0.155	0.11	0.5	0.5		
Maximum	5940	1100	64.5	3.45	0.031	0.1	3.07	2.79	7.62	1.75	1840	471	0.464	0.155	6760	0.272	0.0031	15800	15100	0.108	0.005	2.95	0.076	27.3	3.17	60.5	2.65		
%of values undetected	0%	0%	0%	0%	86%	86%	0%	0%	0%	0%	0%	0%	93%	100%	0%	64%	100%	0%	0%	79%	100%	79%	93%	57%	57%	36%	46%			
# of values between MDL and MRL	0	0	0	0	2	2	0	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	1	2	4	0	0			
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	11.45	11.41	NA	NA	5	4.6	NA	0.1858799	0.158	NA	NA	NA	NA	NA	NA	NA	NA	26.23	25.86		
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA			
%of CALC exceedences	0%	0%	0%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%			
%of DWS exceedences	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%			

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-05-13S																									
	Sample Date																								
	08/22/05	5.74	5.08	36	71	5.08	14.2	35	28.8	**0.075**	10.5	13	**0.0155**			0.011		0.385	**0.0155**	2.66	**0.00125**	**0.00125**	0.28		**0.0155**
	11/11/05	5.86	8.03	38	223	8.03	13.4	37	35.0	**0.075**	8.25	13.5	0.226			0.018		0.788	**0.0155**	2.78	**0.00125**	**0.00125**	0.092		**0.0155**
	03/21/06	5.29	1.06	35	210	1.06	13.0	35.0	37.5	**0.075**	7.00	12.0	0.104			**0.00155**		0.664	**0.0155**	3.10	**0.00250**	**0.00250**	**0.155**		**0.0155**
	05/22/06	5.42	2.07	35	312.1	2.07	13.0	37.5	27.5	**0.075**	7.75	12.0	0.444			0.0380		0.846	**0.0155**	2.77	**0.00125**	**0.00125**	**0.155**		**0.0155**
	08/24/06	6.00	1.93	33	196.7	1.93	14.3	36.0	55.0	**0.075**	10.5	15.0	**0.0805**	**0.0155**	**0.0805**	0.0040	**0.0155**	0.558	**0.0155**	2.77	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/31/06	6.73	6.25	36	283	6.25	12.8	37.0	26.2	**0.075**	**8.00**	14.0	0.280	**0.0155**	0.274	0.0130	**0.05**	0.751	**0.0155**	2.20	**0.00075**	**0.00075**	**0.155**		**0.0795**
	03/18/07	5.86	1.64	19	215.2	1.64	12.8	32.0	10.0	**0.075**	**8.75**	**6.00**	0.164	**0.0155**	0.168	0.0210	**0.0155**	0.624	**0.0155**	2.70	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/11/07	5.59	1.12	19	193.6	1.12	13.0	33.5	33.8	**0.075**	**4.00**	12.5	0.172			**0.00155**		0.694	**0.0310**	2.24	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/22/07	5.67	3.05	20	167.9	3.05	13.4	34.5	16.3	**0.075**	**7.00**	13.4	**0.0615**			**0.0036**		0.326	**0.0155**	2.16	**0.00075**	**0.00075**	**0.155**		**0.0365**
	11/14/07	6.17	6.81	38	205.2	6.81	13.1	38.0	56.3	**0.0765**	**8.00**	14.7	0.125			0.0159		0.676	**0.0155**	2.34	**0.00075**	**0.00075**	**0.155**		0.417
	03/22/08	5.64	2.03	28	-26.2	2.03	11.6	40.6	27.5	0.816	**7.72**	12.9	0.179			**0.0083**		0.605	**0.0155**	2.47	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/17/08	6.03	1.03	38	173.5	1.03	13.7	38.1	35.0	**0.150**	**1.57**	13.9	0.174			0.0135		0.527	**0.0155**	2.35	**0.00250**	**0.00250**	**0.155**	**0.250**	**0.0155**
	08/24/08	5.81	3.20	34	180.9	3.20	12.5	34.4	28.8	0.515	**6.28**	14.3	**0.050**			**0.0050**		0.213	**0.0155**	2.23	**0.00250**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/15/08	5.82	4.53	38	120.4	4.53	14.7	50.1	23.8	**0.1665**	**6.68**	16.3	0.128			**0.0034**		0.505	**0.0350**	2.54	**0.00075**	**0.00250**	**0.155**	**0.239**	**0.0155**
	Mean	5.83	3.42	32	180.5	3	13.3	37.0	31.5	0.171	7.29	13.1	0.157	0.0155	0.174	0.0110	0.027	0.583	0.0180	2.52	0.00123	0.00123	0.159	0.246	0.0527
	Median	5.82	2.56	35	195.2	3	13.1	37.0	28.8	0.075	7.74	13.5	0.146	0.0155	0.168	0.0100	0.0155	0.615	0.0155	2.51	0.00075	0.00075	0.155	0.250	0.0155
	St. Deviation	0.35	2.33	7	83.8	2	0.8	4	12.6	0.22	2.32	2.4	0.109	0	0.097	0.0100	0.0199	0.180	0.0064	0.28	0.00072	0.00072	0.039	0.006	0.1065
	# of values	14	14	14	14	14	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	3	14
	Minimum	5.29	1.03	19	-26.2	1.03	11.6	32.0	10.0	0.075	1.57	6.00	0.0155	0.0155	0.0805	0.00155	0.0155	0.213	0.0155	2.16	0.00075	0.00075	0.092	0.239	0.0155
	Maximum	6.73	8.03	38	312.1	8.03	14.7	50.1	56.3	0.816	10.5	16.3	0.444	0.0155	0.274	0.0380	0.0500	0.846	0.0350	3.10	0.00250	0.00250	0.28	0.250	0.417
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	86%	7%	0%	14%	100%	0%	21%	100%	0%	86%	0%	100%	100%	86%	67%	79%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	0	8	1	2	0	1	6	0	0	2	0	0	0	2	1	2
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.77
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-14D																									
	Sample Date																								
	11/10/05	7.17	3.31	277	66	3.31	62.9	235	157	1.20	**0.785**	58.5	**0.05**			0.20		6.67	**0.07**	45.8	**0.00125**	**0.00125**	**0.11**		0.284
	03/23/06	7.83	3.85	324	69	3.85	74.4	260	175	5.70	**2.50**	66.0	**0.0155**			**0.0098**		6.70	**0.0480**	57.8	**0.00125**	**0.00125**	**0.350**		0.293
	05/21/06	6.64	4.40	219	147.7	4.40	60.0	215	148	0.800	**0.785**	66.0	0.248			0.0150		4.30	**0.0710**	42.5	**0.00125**	**0.00125**	**0.155**		0.211
	08/23/06	7.21	5.06	225	102.7	5.06	85.3	260	184	3.10	**1.57**	64.0	**0.0155**	**0.0155**	**0.0155**	**0.0046**	**0.05**	5.59	**0.0480**	59.5	**0.00075**	**0.00075**	**0.155**		0.106
	11/03/06	7.07	4.11	297	145.4	4.11	107	380	234	1.80	**1.57**	71.0	**0.0155**	**0.0155**	**0.0155**	0.0200	**0.05**	7.53	**0.155**	96.1	**0.00075**	**0.00075**	**0.440**		0.165
	03/20/07	7.74	2.81	205	-183.2	2.81	19.3	340	230	3.20	**1.57**	71.0	**0.0155**	**0.0155**	**0.0155**	0.0400	**0.0155**	8.79	**0.0540**	90.0	**0.00075**	**0.00075**	**0.155**		0.144
	05/09/07	7.92	4.15	279	-221.5	4.15	170	470	335	3.90	**3.25**	79.0	**0.050**			**0.00155**		13.0	**0.0550**	131	**0.00075**	**0.00075**	**0.155**		0.117
	08/20/07	7.34	3.93	201	89.2	3.93	114	385	244	0.600	**1.57**	71.2	**0.0920**			**0.0082**		9.25	**0.0350**	96.2	**0.00075**	**0.00075**	**0.155**		0.175
	11/12/07	7.18	3.17	392	81.0	3.17	137	46.0	315	**0.303**	**1.57**	74.1	**0.0380**			**0.0050**		11.9	**0.0450**	135	**0.00075**	**0.00075**	**0.155**		0.126
	03/19/08	8.08	3.84	435	-260.4	3.84	180	551	346	1.53	**8.46**	84.6	**0.050**			**0.0066**		13.3	**0.0420**	161	**0.00075**	**0.00075**	**0.155**		**0.0949**
	05/22/08	7.52	3.21	469	-71.2	3.21																			
	05/23/08						131	305	194	1.70	**1.57**	129	**0.0155**			**0.0049**		0.721	0.203	30.2	**0.00250**	**0.00250**	**0.540**	0.667	**0.0607**
	08/25/08	7.88	3.71	449	138.8	3.71																			
	08/26/08						140	572	401	1.34	**3.14**	88.3	**0.050**			**0.0048**		12.0	**0.053**	174	**0.00075**	**0.00075**	**0.155**	11.6	0.122
	10/22/08	8.03	2.05	475	-144.1	2.05	126	553	341	0.87	**1.57**	87.5	**0.0155**			**0.0061**		10.3	**0.045**	156	**0.00075**	**0.00075**	**0.155**	9.66	**0.0500**
	Mean	7.51	3.66	327	-3.1	0	108	352	254	2.00	2.30	77.7	0.0516	0.0155	0.0155	0.0251	0.0385	8.47	0.071	98.1	0.00100	0.00100	0.218	7.31	0.150
	Median	7.52	3.84	297	69	3.84	114	340	234	1.53	1.57	71.2	0.0380	0.0155	0.0155	0.0066	0.0500	8.79	0.053	96.1	0.00075	0.00075	0.155	9.66	0.126
	St. Deviation	0.44	0.76	105	150.7	0	46	155	84	1.60	2	17.9	0.0634	0	0	0.0535	0.0199	3.71	0.050	49.3	0.00050	0.00050	0.135	5.83	0.076
	# of values	13	13	13	13	13	13	13	13	13	13	13	13	3	3	13	3	13	13	13	13	13	13	3	13
	Minimum	6.64	2.05	201	-260.4	2.05	19.3	46	148	0.303	0.785	58.5	0.0155	0.0155	0.0155	0.00155	0.0155	0.721	0.035	30.2	0.00075	0.00075	0.11	0.667	0.0500
	Maximum	8.08	5.06	475	147.7	5.06	180	572	401	5.70	8.46	129	0.248	0.0155	0.0155	0.20	0.0500	13.3	0.203	174	0.00250	0.00250	0.540	11.6	0.293
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	69%	0%	77%	100%	100%	15%	100%	0%	8%	0%	100%	100%	69%	0%	8%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	1	4	0	2	0	0	7	0	0	11	0	0	0	4	0	2
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	2.26
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-13S																													
Sample Date																													
08/22/05		15.8	6.34	0.0266	0.0254	**0.125**	**0.125**	2.25	2.16	**0.0075**	**0.0075**	0.013	**0.00155**	**1.55**	**5**	**0.00775**	**0.00775**	4530	4340	1.52	0.705	0.0404	0.0468	0.492	0.335	26.4	**3.1**	**0.0518**	**0.0634**
11/11/05		10.4	2.75	**0.00155**		**0.125**	**0.125**	1.73	1.71	**0.0075**	**0.0075**	**0.00155**	0.0102	**1.55**	**3.5**	**0.00775**	**0.00775**	4250	4410	1.65	0.677	0.032	0.0296	0.6	0.351	**14.5**	**3.1**	**0.05**	**0.05**
03/21/06		5.51	4.37	**0.0330**	**0.0416**	**0.453**	**0.155**	1.59	1.61	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**2.15**	**2.50**	**0.0125**	**0.0125**	4100	3840	1.83	1.25	0.0358	0.0294	0.267		**10.0**	**10.0**	**0.0250**	**0.0250**
05/22/06		3.64		**0.0376**	**0.0268**	**0.155**	**0.155**	1.38	1.50	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.69**	**0.75**	**0.0125**	**0.0125**	4110	4090	0.740	0.451	0.0226	0.0266	0.233	0.225	**3.10**	**3.10**	0.552	0.0738
08/24/06		3.47	3.28	**0.0075**	**0.0075**	**0.155**	**0.155**	1.25	1.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4510	4640	1.18	0.851	0.0314	0.0274	0.305	0.294	**6.65**	**3.10**	0.107	**0.0500**
10/31/06		2.90	2.49	**0.0075**	**0.0075**	**0.155**	**0.155**	1.43	1.45	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4040	4270	0.229	**0.050**	**0.0172**	**0.0178**	0.743	0.681	**10.0**	**3.10**	**0.0155**	**0.0500**
03/18/07		13.4	4.00	**0.0075**	**0.0075**	**0.155**	**0.155**	1.46	1.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4050	4110	0.766	0.451	0.0248	**0.0100**	0.544	0.475	22.5	**3.10**	**0.0500**	**0.0500**
05/11/07		6.62	5.28	**0.0075**		**0.155**	**0.155**	1.69	1.70	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0298**	4140	4110	0.727	0.600	**0.0100**	**0.0100**	0.289	0.331	**10.0**	**10.0**	0.117	
08/22/07		6.04	5.76	**0.0075**	**0.0075**	**0.155**	**0.155**	1.89	1.83	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4320	4310	0.498	0.562	**0.0150**	**0.0162**	0.305	0.358	**10.0**	**10.0**	**0.0500**	**0.0500**
11/14/07		3.57	2.48	**0.0164**	**0.0150**	**0.155**	**0.155**	1.67	1.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4260	4470	1.21	0.608	0.0208	**0.0178**	0.367	0.301	**10.5**	**7.29**	**0.0155**	**0.0155**
03/22/08		55.1	6.34	**0.0075**	**0.0075**	**0.155**	**0.155**	2.15	1.68	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3690	4100	1.38		0.0541	0.0307	0.420	0.271	79.0	27.7	**0.0601**	**0.0155**
05/17/08		5.29	5.02	**0.0075**	**0.0075**	**0.155**	**0.155**	1.79	1.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4380	4330	1.09	0.653	**0.0158**	**0.0128**	0.223	0.194	**16.9**	**14**	**0.0155**	**0.0155**
08/24/08		63.5		**0.0075**	**0.0075**	**0.155**	**0.155**	2.42	1.27	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3990	4130	2.70	1.92	0.0663	0.0239	0.596		99.5	**18.7**	0.103	**0.0584**
10/15/08		5.76	2.86	**0.0075**	**0.0075**	**0.155**	**0.155**	1.51	1.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4680	4570	2.62	1.37	0.0308	0.0297	0.403	0.416	23.7	**17.7**	**0.0155**	**0.0155**
Mean		14.4	4.25	0.013	0.0141	0.172	0.151	1.73	1.61	0.0117	0.0117	0.0087	0.0085	1.39	1.73	0.0098	0.0114	4220	4270	1.30	0.781	0.0298	0.0235	0.413	0.353	24.5	9.6	0.088	0.041
Median		5.90	4.19	0.0075	0.0075	0.155	0.155	1.68	1.64	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0076	4200	4290	1.20	0.653	0.0278	0.0253	0.385	0.333	12.5	8.6	0.050	0.050
St. Deviation		19.5	1.48	0.0111	0.0113	0.082	0.011	0.34	0.24	0.0018	0.0018	0.0052	0.0051	0.27	1.17	0.0041	0.0067	260	220	0.73	0.48	0.0157	0.0101	0.160	0.129	28.5	7.6	0.138	0.021
# of values		14	12	14	12	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13	14	14	14	12	14	14	14	13
Minimum		2.90	2.48	0.00155	0.0075	0.125	0.125	1.25	1.27	0.0075	0.0075	0.00155	0.00155	1.25	0.75	0.0075	0.0075	3690	3840	0.229	0.05	0.01	0.01	0.223	0.194	3.1	3.1	0.0155	0.0155
Maximum		63.5	6.34	0.0376	0.0416	0.453	0.155	2.42	2.16	0.0125	0.0125	0.0250	0.0250	2.15	5	0.0185	0.0298	4680	4640	2.7	1.92	0.0663	0.0468	0.743	0.681	99.5	27.7	0.552	0.0738
%of values undetected		0%	0%	71%	67%	93%	100%	0%	0%	100%	100%	93%	93%	86%	93%	100%	93%	0%	0%	0%	8%	7%	14%	0%	0%	36%	64%	57%	77%
# of values between MDL and MRL		0	0	3	3	1	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	3	4	0	0	4	4	2	2
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.057	0.057	NA	NA	10.98	10.56276	NA	NA	1.544	1.482	1000	1000	0.218	0.240
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-14D																													
Sample Date																													
11/10/05		252	6.06	0.768	0.724	1.53	1.09	17.9	16.1	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**6.3**	**7.1**	**0.00775**	**0.00775**	21900	21100	15.1	0.534	0.502	0.364	5.38	0.955	198	23.9	0.626	**0.05**
03/23/06		87.3	5.90	0.479		1.70	1.74	18.6		**0.0120**	**0.0120**	**0.0250**	**0.0075**	5.41	7.24	**0.0125**	**0.0125**	26400	32200	4.08	1.28	0.484	0.525	7.09	1.45	122	45.2	5.00	**0.0130**
05/21/06		19.7	4.94	0.312	0.282	1.63	1.51	12.9	12.3	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**3.35**	**4.28**	**0.0125**	**0.0125**	21900	22200	4.10	0.826	0.367	0.315	3.35	0.535	126	54.3	1.53	**0.0468**
08/23/06		50.7	4.51	0.341	0.266	1.14		15.2	14.6	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**4.19**	**3.89**	**0.0185**	**0.0185**	31100	34600	4.40	0.569	0.282	0.247	1.33	0.337	121	80.4	0.546	**0.0500**
11/03/06		94.6	4.36	0.209	0.206	1.82	1.72	17.3	18.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.41	5.54	**0.0185**	**0.0185**	39500	40800	3.14	**0.050**	0.264	0.236	0.853	0.477	204	153	0.217	**0.0500**
03/20/07		51.2	3.65	0.201	0.196	1.82	1.76	15.9	16.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.10	5.74	**0.0075**	**0.0075**	43100	44400	3.81	**0.100**	0.226	0.225	0.650	0.332	240	167	0.283	**0.0155**
05/09/07		27.8	3.44	0.197	0.215	2.26	1.73	20.2	16.7	**0.0125**	**0.0125**	**0.0075**	**0.0075**	7.81	6.93	**0.0320**	**0.0075**	63600	47500	3.03	0.340	0.253	0.208	0.978	0.462	239	155	0.186	**0.0500**
08/20/07		7.65	3.73	0.185	0.201	2.21	2.06	13.1	14.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	7.45	7.67	**0.0075**	**0.0075**	42500	45900	1.56	0.366	0.153	0.156	0.405	0.355	104	39.9	0.119	**0.0155**
11/12/07		4.71	3.06	0.167	0.174	2.04	1.61	14.7	15.2	**0.0125**	**0.0125**	**0.0075**	**0.0075**	7.96	7.37	**0.0075**	**0.0075**	51300	49400	1.11	0.240	0.124	0.121	0.494	0.398	150	104	**0.0500**	**0.0155**
03/19/08		9.04	2.93	0.162	0.145	2.48	2.33	15.3	15.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	9.39	9.31	**0.0075**	**0.0075**	67500	65300	2.02	**0.185**	0.155	0.141	0.696	0.529	277	252	0.110	**0.0155**
05/22/08																													
05/23/08		7.21	8.46	0.155	**0.0283**	2.48	2.35	13.4	14.2	**0.0125**	**0.0125**	**0.0075**	**0.0075**	9.96	9.76	**0.0075**	**0.0075**	48800	54800	1.17	**0.141**	0.109	0.108	0.408	0.489	119	141	**0.0500**	**0.0155**
08/25/08																													
08/26/08		7.46	3.17	0.228	0.223	2.62	2.3	13.9	12.4	**0.0125**	**0.0125**	**0.0075**	**0.0075**	13.3	12.0	**0.0075**	**0.0075**	52400	46200	1.52	**0.100**	0.143	0.129	0.691	0.569	231	173	**0.0778**	**0.0155**
10/22/08		8.35	3.71	0.181	0.166	2.93	2.74	12.5	12.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	16.1	14.3	**0.0075**	**0.0075**	47300	45800	1.23	**0.154**	0.133	0.12	0.615	0.551	183	159	**0.0500**	**0.0155**
Mean		48.3	4.46	0.276	0.236	2.05	1.91	15.5	14.7	0.0120	0.0120	0.0084	0.0070	7.83	7.78	0.0119	0.0100	42900	42300	3.56	0.376	0.246	0.223	1.77	0.572	178	119	0.680	0.0283
Median		19.7	3.73	0.201	0.204	2.04	1.75	15.2	14.8	0.0125	0.0125	0.0075	0.0075	7.45	7.24	0.0075	0.0075	43100	45800	3.03	0.240	0.226	0.208	0.696	0.489	183	141	0.186	0.0155
St. Deviation		68.6	1.57	0.174	0.167	0.50	0.45	2.40	1.90	0.0014	0.0014	0.0053	0.0017	3.65	2.96	0.0073	0.0042	14600	12300	3.68	0.354	0.133	0.121	2.16	0.308	58	67	1.36	0.0173
# of values		13	13	13	12	13	12	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Minimum		4.71	2.93	0.155	0.0283	1.14	1.09	12.5	12.1	0.0075	0.0075	0.00155	0.00155	3.35	3.89	0.0075	0.0075	21900	21100	1.11	0.050	0.109	0.108	0.405	0.332	104	23.9	0.0500	0.013
Maximum		252	8.46	0.768	0.724	2.93	2.74	20.2	18.0	0.0125	0.0125	0.0250	0.0075	16.1	14.3	0.032	0.0185	67500	65300	15.1	1.28	0.502	0.525	7.09	1.45	277	252	5.00	0.0500
%of values undetected		0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	92%	100%	0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	23%	92%
# of values between MDL and MRL		0	0	0	1	0	0	0	0	0	0	0	0	3	3	1	0	0	0	0	3	0	0	0	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.147	0.138	NA	NA	10.98	10.56276	NA	NA	4.600	4.416	1000	1000	1.110	1.012
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%	0%	0%	15%	0%	0%	0%	15%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-13S																												
Sample Date																												
08/22/05	714	694	0.633	0.306	**0.031**	**0.031**	0.361	0.358	0.73	0.647	150	151	**0.0775**	**0.0775**	5140	**0.0031**	**0.0031**	2230	2190	**0.0158**	**0.0031**	**0.031**	**0.031**	**0.339**	**0.355**	**0.75**	**0.75**
11/11/05	679	669	0.527	0.266	**0.031**	**0.031**	0.343		0.801	0.839	202	209	**0.0775**	**0.0775**	6100	**0.0031**	**0.0031**	2240	2250	**0.0031**	**0.0031**	**0.031**	**0.031**	0.517	0.419	**0.75**	1.96
03/21/06	664	650	0.258	0.212	**0.000475**	**0.000475**	0.600	0.695	0.753	0.605	119	112	**0.155**	**0.155**	5590	**0.00310**	**0.00310**	1920	1890	0.0164	**0.00250**	**0.0155**	**0.0964**	**0.250**	**0.110**	1.71	1.99
05/22/06	666	681	0.201		**0.00127**	**0.00107**	0.438	0.286	0.414	0.376	140	140	**0.155**	**0.155**	4760	**0.00310**	**0.00310**	1880	1890	**0.00860**	**0.00250**	**0.0155**	**0.0155**	**0.230**	**0.110**	0.868	1.21
08/24/06	724	760	0.201	0.156	**0.000475**	**0.000475**	0.292	0.307	0.478	0.460	166	170	**0.155**	**0.155**	5210	**0.00310**	**0.00310**	2030	2100	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	2.28	
10/31/06	645	665	0.185	0.150	**0.000475**	**0.000475**	0.383	0.387	0.513	0.516	170	178	**0.155**	**0.155**	5050	**0.00310**	**0.00310**	2080	2150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.25	1.01	**0.155**	**0.155**
03/18/07	644	649	0.579	0.259	**0.000169**	**0.000475**	0.319	0.317	0.578	0.611	140	140	**0.155**	**0.155**	4750	**0.00310**	**0.00310**	1880	1910	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.442**	**0.500**	**0.500**
05/11/07	640	669	0.174	0.169	**0.000400**	**0.000475**	0.269	0.275	0.369	0.439	110	110	**0.155**	**0.155**	4040	**0.00310**	**0.00310**	1850	1900	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
08/22/07	636	640	0.127	0.131	**0.000169**	**0.000475**	0.301	0.298	0.266	0.316	124	125	**0.155**	**0.155**	4940	**0.00310**	**0.00310**	2070	2010	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.15	2.53
11/14/07	593	627	0.235	0.153	**0.000169**	**0.000475**	0.422	0.442	0.588	0.593	190	199	**0.155**	**0.155**	5580	**0.00310**	**0.00310**	1990	2080	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
03/22/08	573	632	2.00	0.634	**0.000750**	**0.000750**	0.298	0.360	0.644		116	123	**0.155**	**0.155**	4630	**0.00310**	**0.00310**	1690	1890	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.660**	**0.906**
05/17/08	663	657	0.162	0.117	**0.000750**	**0.000750**	0.287	0.286	0.594	0.382	119	117	**0.155**	**0.155**	4440	**0.00310**	**0.00310**	1850	1830	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/24/08	618	633	3.99	0.555	**0.000750**	**0.000750**	0.170	0.212	1.56	1.17	140	141	**0.155**	**0.155**	4640	**0.00310**	**0.00310**	1810	1880	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.02
10/15/08	741	746	0.663	0.383	**0.000750**	**0.000750**	0.405	0.410	1.35	1.31	173	166	**0.155**	**0.155**	5250	**0.00310**	**0.00310**	2260	2290	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
Mean	657	669	0.710	0.269	0.0049	0.0050	0.349	0.356	0.688	0.636	147	149	0.144	0.144	5010	0.00310	0.00310	1980	2020	0.00671	0.00437	0.0424	0.0481	0.291	0.270	0.880	1.04
Median	654	661	0.247	0.212	0.0006	0.0006	0.331	0.317	0.591	0.593	140	141	0.155	0.155	5000	0.00310	0.00310	1960	1960	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.580	0.828
St. Deviation	47	40	1.06	0.165	0.0111	0.0110	0.101	0.119	0.359	0.303	29	32	0.028	0.028	530	0	0	180	160	0.00414	0.00104	0.0133	0.0176	0.295	0.240	0.664	0.742
# of values	14	14	14	13	14	14	14	13	14	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	12
Minimum	573	627	0.127	0.117	0.000169	0.0004745	0.17	0.212	0.266	0.316	110	110	0.0775	0.0775	4040	0.0031	0.0031	1690	1830	0.00310	0.00250	0.0155	0.0155	0.155	0.110	0.155	0.155
Maximum	741	760	3.99	0.634	0.031	0.031	0.6	0.695	1.56	1.31	202	209	0.155	0.155	6100	0.0031	0.0031	2260	2290	0.0164	0.00500	0.0500	0.0964	1.25	1.01	2.28	2.53
%of values undetected	0%	0%	0%	0%	86%	93%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	79%	100%	100%	93%	71%	71%	64%	50%
# of values between MDL and MRL	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	2	2	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	8.79	8.76	NA	NA	5	4.6	NA	0.1086475	0.092	NA	NA	NA	NA	NA	NA	NA	NA	20.13	19.85
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05-14D																												
Sample Date																												
11/10/05	2000	1810	87.9	77.8	**0.031**	**0.031**	5.18	4.76	8.23	4.53	3030	2920	**0.0775**	**0.0775**	5030	**0.0031**	**0.0031**	20200	19000	**0.0031**	**0.0031**	7.65	1.31	0.64	0.532	6.01	4.15
03/23/06	1810		248		**0.00250**	**0.00250**	6.09		2.91		1330		**0.155**	**0.155**	4380	**0.00310**	**0.00310**	22100		**0.00250**	**0.00250**	1.93	0.308	0.533	**0.395**	2.56	2.32
05/21/06	1270	1340	186	170	**0.00123**	**0.00147**	4.37	3.93	2.71	2.15	921	911	**0.155**	**0.155**	5010	**0.00310**	**0.00310**	18600	18900	**0.00640**	**0.00250**	1.09	0.346	**0.110**	**0.276**	1.01	0.957
08/23/06	1840	1700	225	257	**0.00136**	**0.000475**	4.35	4.03	3.21	2.43	987	953	**0.155**	**0.155**	5270	**0.00800**	**0.00310**	25200	24800	**0.00500**	**0.0112**	1.15	1.33	**0.250**	**0.793**	1.18	
11/03/06	1910	1950	295	325	**0.000475**	**0.000475**	3.09	3.04	2.63	2.44	894	878	**0.155**	**0.155**	4740	**0.0112**	**0.00660**	29900	31400	**0.00500**	**0.00500**	1.40	0.600	**0.250**	**0.250**	**0.500**	1.10
03/20/07	2200	2320	243	250	**0.000485**	**0.00125**	3.00	3.22	3.45	3.71	928	928	**0.155**	**0.155**	5210	**0.00310**	**0.00310**	27100	30900	**0.00500**	**0.00500**	1.59	0.598	**0.155**	**0.155**	1.66	1.19
05/09/07	2630	2290	350	294	**0.000169**	**0.000475**	3.06	2.52	4.24	3.31	953	800	**0.483**	**0.424**	4650	**0.00310**	**0.00310**	45900	41400	**0.00500**	**0.00500**	2.00	0.975	**0.367**	**0.155**	1.46	**0.500**
08/20/07	1920	2130	215	230	**0.000169**	**0.000475**	2.42	2.54	2.35	2.14	708	783	**0.155**	**0.155**	5970	**0.00310**	**0.00310**	32900	36200	**0.00500**	**0.00500**	0.755	**0.131**	**0.155**	**0.155**	4.21	2.55
11/12/07	2270	1930	238	231	**0.00147**	**0.000475**	2.34	2.40	2.08	2.04	745	726	**0.155**	**0.155**	5830	**0.00310**	**0.00310**	41400	38400	**0.00500**	**0.00500**	0.511	**0.0500**	**0.155**	**0.320**	**0.500**	1.16
03/19/08	2730	2650	229	230	**0.000750**	**0.000750**	2.24	2.16	2.36	2.02	749	740	**0.155**	**0.155**	5610	**0.00310**	**0.00310**	50600	48400	**0.00500**	**0.00500**	3.87	1.81	**0.155**	**0.155**	1.54	**0.799**
05/22/08																												
05/23/08	2090	2150	174	186	**0.000750**	**0.000750**	1.97	1.53	1.41	1.02	627	615	**0.155**	**0.155**	5620	**0.00310**	**0.00310**	45100	50900	**0.00500**	**0.00500**	0.426	**0.117**	**0.155**	**0.319**	1.18	1.76
08/25/08																												
08/26/08	2180	1970	169	153	**0.000750**	**0.000750**	1.96	1.79	2.28	1.97	663	607	**0.155**	**0.155**	5340	**0.00310**	**0.00310**	48300	44900	**0.00500**	**0.00500**	0.567	**0.103**	**0.155**	**0.317**	**0.500**	1.16
10/22/08	1970	1880	162	150	0.0174	**0.000750**	2.07	1.89	2.74	2.23	589	564	**0.155**	**0.155**	5950	**0.00310**	**0.00310**	57200	55300	**0.00500**	**0.00500**	0.277	**0.126**	**0.421**	**0.334**	1.77	1.44
Mean	2060	2010	217	213	0.00450	0.00320	3.24	2.82	3.12	2.50	1010	952	0.174	0.17	5280	0.00410	0.00337	35700	36700	0.00477	0.00495	1.79	0.600	0.269	0.320	1.85	1.59
Median	2000	1960	225	230	0.000750	0.000750	3.00	2.53	2.71	2.19	894	792	0.155	0.155	5270	0.00310	0.00310	32900	37300	0.00500	0.00500	1.15	0.346	0.155	0.317	1.46	1.18
St. Deviation	370	330	65	69	0.00920	0.00840	1.34	1.00	1.68	0.93	638	633	0.095	0.079	510	0.00253	0.00097	12900	12100	0.00096	0.00213	2.00	0.579	0.169	0.180	1.60	1.00
# of values	13	12	13	12	13	13	13	12	13	12	13	12	13	13	13	13	13	13	12	13	13	13	13	13	13	13	12
Minimum	1270	1340	87.9	77.8	0.000169	0.0004745	1.96	1.53	1.41	1.02	589	564	0.0775	0.0775	4380	0.00310	0.00310	18600	18900	0.00250	0.00250	0.277	0.0500	0.110	0.155	0.500	0.500
Maximum	2730	2650	350	325	0.031	0.031	6.09	4.76	8.23	4.53	3030	2920	0.483	0.424	5970	0.0112	0.00660	57200	55300	0.00640	0.0112	7.65	1.81	0.64	0.793	6.01	4.15
%of values undetected	0%	0%	0%	0%	62%	85%	0%	0%	0%	0%	0%	0%	92%	92%	0%	85%	92%	0%	0%	92%	92%	0%	8%	69%	38%	23%	8%
# of values between MDL and MRL	0	0	0	0	4	2	0	0	0	0	0	0	1	1	0	2	1	0	0	1	1	0	4	2	7	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	25.90	25.83	NA	NA	5	4.6	NA	0.9780698	0.831	NA	NA	NA	NA	NA	NA	NA	NA	59.44	58.61
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	15%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-05-14S																									
Sample Date																									
11/10/05		5.99	2.52	80	243	2.52	33.6	80	60.0	1.90	9.00	28.5	0.258			0.38		0.742	**0.04**	9.81	**0.0025**	**0.0025**	**0.092**		**0.0155**
03/23/06		7.12	3.89	79	193	3.89	30.3	90.0	52.5	**0.075**	15.0	30.0	0.266			**0.0048**		0.762	**0.0155**	8.05	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/21/06		6.43	4.27	83	210.2	4.27	35.0	90.0	71.2	2.70	7.25	34.0	0.331			0.0150		1.05	**0.0380**	9.26	**0.00125**	**0.0025**	**0.155**		**0.0500**
08/23/06		6.27	4.22	68	158.8	4.22	32.3	75.0	67.5	**0.300**	20.8	28.0	0.206	**0.0155**	0.206	**0.0040**	**0.0155**	0.927	**0.0470**	9.54	**0.00075**	**0.00075**	**0.155**		**0.0155**
11/02/06		6.30	3.22	88	291.9	3.22	33.6	75.0	36.2	4.90	**1.57**	29.0	0.187	**0.0155**	0.166	0.0170	**0.05**	0.639	**0.0155**	9.10	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/20/07		5.86	3.09	48	170.7	3.09	34.9	70.0	46.3	0.500	**8.00**	31.0	0.233	**0.0155**	0.237	0.0120	**0.0155**	0.910	**0.0440**	7.65	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/09/07		6.14	3.52	48	145.3	3.52	37.0	80.0	48.8	**0.075**	**4.50**	31.0	0.248			**0.0064**		0.940	**0.0450**	8.40	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/19/07		6.14	4.71	44	124.5	4.71	33.4	80.0	48.8	6.40	**9.75**	28.6	0.278			0.0102		0.722	**0.0155**	7.53	**0.00075**	**0.00075**	**0.350**		0.112
11/12/07		6.17	3.07	71	227.2	3.07	31.9	70.0	37.5	**0.078**	10.0	27.6	0.241			0.0128		0.635	**0.0350**	9.49	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/20/08		5.91	3.62	72	139.7	3.62	32.3	81.9	47.5	**0.075**	11.8	30.8	0.384			0.0259		0.744	**0.0330**	7.58	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/22/08		6.46	4.32	82	150.2	4.32	32.8	79.9	71.3	0.500	**5.03**	29.3	0.316			**0.0033**		0.799	**0.041**	9.05	**0.00250**	**0.00250**	**0.155**	0.549	**0.0155**
08/25/08		6.18	3.77	710	201.3	3.77	31.1	76.9	60.0	0.515	**8.52**	27.7	0.268			0.0177		0.499	**0.037**	8.95	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/21/08		6.45	2.84	7.8	125.4	2.84	29.5	81.2	50.0	1.41	**6.28**	28.5	0.278			0.0387		0.571	**0.040**	8.37	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
Mean		6.26	3.62	114	183.2	4	32.9	79.2	53.7	1.49	9.04	29.5	0.269	0.0155	0.203	0.0421	0.027	0.765	0.034	8.68	0.00110	0.00119	0.165	0.291	0.0335
Median		6.18	3.62	72	170.7	3.62	32.8	80.0	50.0	0.50	8.52	29.0	0.266	0.0155	0.206	0.0128	0.0155	0.744	0.038	8.95	0.00075	0.00075	0.155	0.250	0.0155
St. Deviation		0.32	0.65	180	50.4	1	2	6.2	11.6	2.04	4.89	1.8	0.052	0	0.036	0.1020	0.0199	0.159	0.011	0.79	0.00065	0.00076	0.058	0.240	0.0286
# of values		13	13	13	13	13	13	13	13	13	13	13	13	3	3	13	3	13	13	13	13	13	13	3	13
Minimum		5.86	2.52	7.8	124.5	2.52	29.5	70.0	36.2	0.075	1.57	27.6	0.187	0.0155	0.166	0.0033	0.0155	0.499	0.0155	7.53	0.00075	0.00075	0.092	0.075	0.0155
Maximum		7.12	4.71	710	291.9	4.71	37.0	90.0	71.3	6.40	20.8	34.0	0.384	0.0155	0.237	0.38	0.0500	1.05	0.047	9.81	0.0025	0.0025	0.350	0.549	0.112
%of values undetected		0%	0%	0%	0%	0%	0%	0%	0%	31%	8%	0%	0%	100%	0%	0%	100%	0%	23%	0%	100%	100%	85%	67%	92%
# of values between MDL and MRL		0	0	0	0	0	0	0	0	1	6	0	0	0	0	4	0	0	10	0	0	0	2	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.41
Drinking Water Standards (DWS)[2]		>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences		92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05D																									
Sample Date																									
09/24/04		10.01	4.09	271	-356	4.09	77.3	260	201	4.21	**1.57**	79.5	4.25			0.33		0.983	0.416	57.1	**0.0038**	**0.00125**	**0.21**		**0.05**
10/19/04		9.63	3.67	271	-369	3.67	79.9	255	154	2.81	**1.57**	72	**0.155**			0.41		0.99	0.219	59.7	0.005	**0.00125**	**0.37**		**0.0155**
03/18/05		7.89	3.74	218		3.74	98.2	255	155	2.50	**4.25**	74	**0.0155**			0.566		0.853	0.321	62	**0.00125**	**0.00125**	**0.21**		**0.068**
05/11/05		9.01	4.54	218	-267	4.54	111	265	195	1.80	**0.785**	78	**0.0155**			0.0105		0.823	0.303	60.8	**0.00125**	**0.00125**	**0.21**		**0.049**
08/18/05		7.08	5.25	247	-68	5.25	98.3	250	176	4.40	**4.25**	71	**0.0155**			0.61		0.788	0.246	63.2	**0.0025**	**0.0025**	**0.23**		**0.0155**
11/09/05		7.03	3.13	264	-58	3.13	91.6	250	181	3.80	**3.75**	72	**0.05**			0.68		0.792	0.27	59.6	**0.00125**	**0.00125**	**0.10**		**0.049**
03/23/06		7.20	3.61	262	35	3.61	96.8	230	115	5.10	8.50	70.0	0.510			0.590		0.803	0.166	61.3	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/18/06		6.50	3.38	250	78	3.38	110	250	185	**0.400**	5.00	70.0	**0.0695**			0.535		0.792	0.305	57.1	**0.00125**	**0.00125**	**0.155**		**0.0380**
08/17/06		6.20	4.31	244	122.3	4.31	103	250	183	2.30	**5.50**	67.0	**0.0155**	**0.0155**	**0.0155**	0.521		0.797	0.237	59.5	**0.00075**	**0.00200**	**0.155**		**0.0500**
10/29/06		6.59	3.38	257	137.2	3.38	107	230	172	**0.075**	**8.25**	68.0	**0.050**	**0.0155**	**0.0500**	0.564		0.671	0.244	53.9	**0.00075**	**0.00300**	**0.155**		**0.0155**
03/15/07		7.01	2.18	135	-45	2.18	106	230	226	1.50	**9.50**	68.0	**0.0155**	**0.0155**	**0.0155**	2.32		0.676	0.244	60.7	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/24/08		6.77	3.22	255	-91.9	3.22	92.4	253	184	3.30	**5.57**	66.9	0.276			2.58		0.752	0.297	52.8	**0.00250**	0.00510	**0.155**	0.516	**0.0155**
08/25/08		6.84	3.74	240	-16	3.74	88.0	259	178	1.24	**6.46**	66.6	**0.0100**			0.618		0.744	0.262	60.6	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/22/08		6.97	3.00	216	-28	3.00	96.7	266	146	2.30	**7.20**	66.6	**0.0155**			0.377		0.776	0.284	51.5	**0.00075**	**0.00075**	**0.155**	12.6	**0.0500**
Mean		7.48	3.66	239	-71	4	96.9	250	175	2.55	5.15	70.7	0.3903	0.0155	0.0270	0.765	NA	0.803	0.272	58.6	0.00170	0.00170	0.184	4.46	0.0380
Median		7.02	3.64	249	-45	4	97.5	250	180	2.40	5.25	70.0	0.0328	0.0155	0.0155	0.565	NA	0.792	0.266	59.7	0.00125	0.00130	0.155	0.516	0.0490
St. Deviation		1.2	0.74	35	166	1	10.4	10	27	1.50	2.69	4.1	1.1198	0	0.0199	0.735	NA	0.092	0.058	3.6	0.00130	0.00120	0.064	7.05	0.0184
# of values		14	14	14	13	14	14	14	14	14	14	14	14	3	3	14	0	14	14	14	14	14	14	3	14
Minimum		6.20	2.18	135	-369	2.18	77.3	230	115	0.075	0.785	66.6	0.0100	0.0155	0.0155	0.0105	NA	0.671	0.166	51.5	0.00075	0.00075	0.10	0.250	0.0155
Maximum		10.01	5.25	271	137.2	5.25	111	266	226	5.10	9.50	79.5	4.25	0.0155	0.0500	2.58	NA	0.99	0.416	63.2	0.005	0.00510	0.37	12.6	0.068
%of values undetected		0%	0%	0%	0%	0%	0%	0%	0%	7%	21%	0%	71%	100%	100%	0%		0%	0%	0%	86%	79%	57%	33%	71%
# of values between MDL and MRL		0	0	0	0	0	0	0	0	1	9	0	1	0	0	0		0	0	0	1	2	6	0	4
Chronic Aquatic Life Criteria (CALC)[1,4]		>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	0.22
Drinking Water Standards (DWS)[2]		>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences		29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-14S																													
Sample Date																													
11/10/05	23.7	2.56	0.0396	0.0242	**0.259**	**0.293**	2.1	1.77	**0.0075**	**0.0075**	**0.005**	**0.00155**	**5.2**	**1.55**	**0.00775**	**0.00775**	10500	10900	0.843	0.642	0.111	0.0982	8.9	9.22	51.8	**8.91**	**0.05**	**0.0155**
03/23/06	6.13	2.28	**0.0382**	**0.0372**	**0.155**	**0.155**	2.18	2.09	**0.0120**	**0.0120**	**0.0250**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	9480	9430	0.884	0.286	0.0410	0.0390	18.6	15.9	**7.93**	**3.10**	**0.0130**	
05/21/06	186	**1.00**	**0.0434**	**0.0352**	0.616	**0.155**	3.95	1.91	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	11000	10500	2.61	0.494	0.143	0.0524	7.37	2.91	218	**10.7**	0.153	**0.0276**
08/23/06	127	**1.00**	**0.0226**	**0.0204**	**0.155**	**0.155**	3.45	1.70	**0.0125**	**0.0125**	**0.0158**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9850	10800	1.03	0.579	0.154	0.0278	1.99	0.834	202	**13.4**	0.244	**0.0500**
11/02/06	369	**1.00**	**0.0250**	**0.0250**	0.939	**0.155**	5.79	1.88	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10400	10400	2.89	**0.050**	0.275	0.0310	1.57	0.432	530	**10.0**	0.347	**0.0155**
03/20/07	35.0	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	2.34	1.89	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10800	10400	1.33	0.342	0.0510	0.0272	1.26	1.18	56.1	**10.0**	**0.0500**	0.148
05/09/07	5.82	**1.00**	**0.0494**	**0.0422**	**0.155**	**0.155**	2.06	1.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	11600	10100	1.50	0.261	0.0364	0.0256	0.725	0.506	24.1	**3.10**	**0.0500**	**0.0155**
08/19/07	737	**1.00**	0.0646	**0.0276**	1.70	**0.155**	10.1	1.71	**0.0298**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	9730	6.85	0.595	0.502	0.0418	3.23	0.943	948	**10.0**	0.676	**0.0155**
11/12/07	53.7	**1.00**	**0.0364**	**0.0302**	**0.155**	**0.155**	2.38	1.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9950	9530	2.41	0.274	0.0558	**0.0180**	0.477	0.276	75.4	**11.3**	**0.0500**	**0.0155**
03/20/08	179	2.15	0.0886	0.0548	0.527	**0.155**	3.44	1.78	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10000	10100	3.85	0.709	0.132	0.0368	8.11	4.21	260	41.7	0.197	**0.0155**
05/22/08	6.42	**1.00**	**0.0075**	**0.0345**	**0.155**	**0.155**	1.88	1.72	**0.0125**	**0.0125**	**0.0075**	**0.015**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	10300	1.27	0.355	0.0224	**0.0189**	1.71	1.68	38.9	**19.0**	**0.0155**	**0.0155**
08/25/08	6.86	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.72	1.65	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9680	9590	1.79	0.350	0.0264	0.0233	0.447		42.6	35.2	**0.0155**	**0.0155**
10/21/08	5.29	**1.38**	**0.0250**	**0.0250**	**0.155**	**0.155**	1.75	1.66	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9190	10100	0.889	0.319	0.0220	0.0226	0.517	0.375	31.7	27.7	**0.0500**	**0.0155**
Mean		134	1.34	0.0364	0.0299	0.406	0.166	3.32	1.79	0.0134	0.0120	0.0093	0.0076	1.48	1.20	0.0100	0.0100	10200	10100	2.17	0.404	0.121	0.0356	4.22	3.21	191	15.7	0.147	0.0304
Median		35.0	1.00	0.0364	0.0276	0.155	0.155	2.34	1.77	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10300	10100	1.50	0.350	0.0558	0.0278	1.71	1.06	56.1	10.7	0.0500	0.0155
St. Deviation		211	0.58	0.0224	0.0115	0.460	0.038	2.34	0.13	0.0051	0.0014	0.0053	0.0028	1.13	0.21	0.0042	0.0042	700	500	1.68	0.187	0.136	0.0212	5.29	4.74	270	12.0	0.190	0.0384
# of values		13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	13	13	13	12
Minimum		5.29	1.00	0.0075	0.0075	0.155	0.155	1.72	1.65	0.0075	0.0075	0.005	0.00155	0.75	0.75	0.0075	0.0075	9190	9430	0.843	0.050	0.022	0.018	0.447	0.276	7.93	3.1	0.0130	0.0155
Maximum		737	2.56	0.0886	0.0548	1.70	0.293	10.1	2.09	0.0298	0.0125	0.0250	0.015	5.2	1.55	0.0185	0.0185	11600	10900	6.85	0.709	0.502	0.0982	18.6	15.9	948	41.7	0.676	0.148
%of values undetected		0%	69%	38%	31%	62%	92%	0%	0%	92%	100%	92%	92%	92%	100%	100%	100%	0%	0%	0%	8%	0%	0%	0%	0%	0%	38%	62%	83%
# of values between MDL and MRL		0	1	5	7	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	2	0	0	1	5	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.111	0.106	NA	NA	10.98	10.56276	NA	NA	3.333	3.199	1000	1000	0.687	0.664
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	25%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05D																													
Sample Date																													
09/24/04	168	29.2	0.781	0.851	3.14	2.82	13.5	10.6	**0.0075**	**0.0075**	**0.75**	**0.75**	**5.9**	**7.2**	**0.0668**	**0.0352**	23100	21600	1.72	0.265	0.724	0.522	1.19	0.608	711	121	**0.138**	**0.185**
10/19/04	32.6	**12.5**	0.871	0.769	3.06	2.66	14	12.1	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	22300	23100	0.616	**0.05**	0.735	0.569	1.01	0.552	845	416	0.307	**0.115**
03/18/05	7.7	3.14	0.42	0.395	2.98	2.9	14.9	14.3	**0.001495**	**0.001495**	**0.003835**	**0.003835**	5.75	5.91	**0.0078**	**0.003095**	26000	25400	0.58	**0.03565**	0.638	0.552	0.286	**0.03**	1020	784	**0.0276**	**0.0404**
05/11/05	12.1	2.69	0.33	0.334	3.18	3.34	13.6	15.2	**0.001495**	**0.001495**	**0.003835**	**0.003835**	7.46	6.5	**0.0126**	**0.003095**	30400	25300	0.354	**0.03565**	0.398	0.386	0.521	0.108	645	528	**0.011**	**0.035**
08/18/05	14.5	2.54	0.275	0.248	3.11	3.18	16.6	13.7	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**3.4**	**0.00775**	**0.00775**	24500	24200	**0.031**		0.879	0.822	0.964	0.539	1580	1110	**0.0626**	**0.0155**
11/09/05	17.2	2.26	0.186	0.152	3.31	2.92	16.3	13.7	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.4**	10.5	**0.00775**	**0.00775**	23500	23400	0.592	0.217	0.731	0.628	0.816	0.491	1200	958	**0.0500**	**0.0500**
03/23/06	114	3.27	0.252	0.177	2.90	2.66	20.1	19.0	**0.0120**	**0.0120**	**0.0250**	**0.0075**	**2.80**	**3.71**	**0.0125**	**0.0125**	23000	24600	1.20	0.235	0.961	0.883	1.14	0.316	1740	1310	0.266	
05/18/06	9.55	2.25	0.149	0.155	2.87	3.34	16.7	18.0	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**4.45**	5.01	**0.0125**	**0.0125**	27100	29200	0.455	0.328	0.969	1.06	0.422	0.488	1390	1540	**0.0130**	**0.0130**
08/17/06	52.3	2.13	0.131	0.111	2.84		17.4	16.0	**0.0125**	**0.0125**	**0.0202**	**0.0075**	5.23	**4.37**	**0.0185**	**0.0185**	24900	24600	0.827	0.274	0.889	0.888	0.687	0.577	1740	1320	0.143	**0.0500**
10/29/06	26.3	2.19	0.111	0.0618	3.01	2.91	17.1	16.1	**0.0125**	**0.0125**	**0.0156**	**0.0075**	**4.64**	**2.79**	**0.0185**	**0.0185**	27100	24900	0.509	0.246	0.835	0.809	0.575	0.509	1180	1130	**0.0500**	**0.0500**
03/15/07	11.2	**2.00**	**0.0500**	**0.0500**	3.12	3.51	17.8	17.6	**0.0250**	**0.0250**	**0.0150**	**0.0150**	**2.50**	**2.50**	**0.0150**	**0.0150**	26000	25400	0.524	0.586	0.899	0.943	0.335	0.347	1440	1460	**0.0310**	**0.0310**
05/24/08	21.3	2.19	**0.0075**	**0.0075**	3.58	3.26	19.2	16.7	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**3.60**	**3.22**	**0.0075**	**0.0075**	22000	20900	0.449	**0.178**	1.02	0.929	0.530	0.221	1690	1450	0.322	**0.0155**
08/25/08	6.41	2.07	0.0509	**0.0075**	3.40	3.08	16.7	16.6	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.72	**3.95**	**0.0075**	**0.0075**	21400	23600	**0.050**	**0.100**	0.892	0.890	0.346	0.258	1410	1420	**0.0155**	**0.0155**
10/22/08	6.84	**1.00**	0.0685	0.0676	3.58	3.72	18.1	19.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.68	**4.88**	**0.0075**	**0.0075**	23100	23700	0.217	**0.050**	0.974	1.01	0.433	0.334	1590	1620	**0.0155**	**0.0155**
Mean		35.7	4.96	0.263	0.242	3.15	3.10	16.6	15.6	0.0100	0.0100	0.1155	0.1127	4.62	4.68	0.0156	0.0123	24600	24300	0.580	0.200	0.825	0.778	0.661	0.384	1300	1080	0.104	0.0486
Median		15.9	2.26	0.168	0.154	3.12	3.08	16.7	16.1	0.0120	0.0120	0.0075	0.0075	4.82	4.16	0.0125	0.0101	24000	24400	0.517	0.217	0.884	0.853	0.553	0.418	1400	1220	0.050	0.0350
St. Deviation		47.5	7.51	0.266	0.267	0.24	0.33	2.00	2.50	0.0060	0.0060	0.269	0.270	1.57	2.30	0.0153	0.0083	2500	2000	0.443	0.155	0.167	0.207	0.310	0.182	370	460	0.114	0.0494
# of values		14	14	14	14	14	13	14	14	14	14	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14	14	13
Minimum		6.41	1.00	0.0075	0.0075	2.84	2.66	13.5	10.6	0.001495	0.001495	0.00155	0.00155	1.55	1.55	0.0075	0.003095	21400	20900	0.031	0.03565	0.398	0.386	0.286	0.03	645	121	0.011	0.0130
Maximum		168	29.2	0.871	0.851	3.58	3.72	20.1	19.0	0.0250	0.0250	0.75	0.75	7.46	10.5	0.0668	0.0352	30400	29200	1.72	0.586	1.02	1.06	1.19	0.608	1740	1620	0.322	0.185
%of values undetected		0%	21%	14%	21%	0%	0%	0%	0%	100%	100%	86%	100%	21%	14%	79%	93%	0%	0%	14%	38%	0%	0%	0%	7%	0%	0%	50%	77%
# of values between MDL and MRL		0	0	0	0	0	0	0	0	0	0	2	0	6	8	3	1	0	0	0	1	0	0	0	0	0	0	3	3
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.227	0.209	NA	NA	10.98	10.56276	NA	NA	7.626	7.321	1000	1000	2.356	1.945
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	79%	64%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location / Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05-14S																												
Sample Date																												
11/10/05	1780	1810	2.21	0.439	0.031	0.031	0.297	0.256	0.704	0.655	385	373	0.248	0.0775	5770	0.0064	0.0031	2880	2930	0.0031	0.0031	0.031	0.031	0.227	0.289	0.75	0.75
03/23/06	1610	1710	0.746	0.501	0.000475	0.000475	0.330	0.330	0.685	0.664	345	356	0.155	0.155	4980	0.00310	0.00310	2460	2620	0.00250	0.00250	0.0500	0.0155	0.221	0.110	1.30	
05/21/06	1830	1660	30.5	14.3	0.00170	0.000475	0.327	0.342	1.64	0.925	427	378	0.155	0.155	4870	0.00310	0.00310	3120	2900	0.00580	0.00250	0.0155	0.0155	0.414	0.311	1.46	0.990
08/23/06	1880	1780	25.9	0.707	0.000475	0.000475	0.248		0.924	0.578	361	379	0.155	0.155	5190	0.0122	0.00310	2700	2560	0.00500	0.00500	0.0500	0.0500	0.577	0.645	1.66	0.500
11/02/06	1880	1810	39.2	1.71	0.000475	0.000475	0.348	0.293	2.03	0.849	400	365	0.155	0.155	5180	0.0122	0.00310	2620	2610	0.00500	0.00500	0.0500	0.0500	1.80	0.766	5.01	1.29
03/20/07	1950	1890	4.57	0.619	0.000169	0.000475	0.291	0.290	1.26	1.03	390	373	0.155	0.155	5110	0.00310	0.00310	2730	2660	0.0136	0.00500	0.0500	0.0500	0.155	0.155	1.37	1.89
05/09/07	1960	1820	0.538	0.187	0.000169	0.000475	0.333	0.296	1.60	0.887	367	354	0.155	0.155	4990	0.00310	0.00310	2890	2670	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.31	0.500
08/19/07	1850	1590	80.4	1.01	0.00250	0.000475	0.495	0.342	4.38	1.63	465	338	0.155	0.155	5210	0.0142	0.00310	2670	2490	0.00500	0.00500	0.0500	0.0500	1.85	0.155	4.82	1.22
11/12/07	1710	1650	4.20	0.255	0.000359	0.000475	0.333	0.291	1.43	0.561	370	353	0.155	0.155	5150	0.00310	0.00310	2490	2390	0.0130	0.00500	0.0500	0.0500	0.155	0.155	2.15	0.500
03/20/08	1780	1730	15.0	0.655	0.000750	0.000750	0.337	0.336	2.27	1.26	384	355	0.155	0.155	5240	0.0070	0.00310	2450	2440	0.00500	0.00500	0.0500	0.0500	0.533	0.155	1.14	1.24
05/22/08	1750	1800	0.634	0.187	0.153	0.000750	0.337	0.326	0.752	0.568	363	373	0.155	0.155	5280	0.00310	0.00310	2530	2590	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.15	
08/25/08	1680	1660	0.812	0.186	0.000750	0.000750	0.308	0.298	1.00	1.08	363	362	0.155	0.155	5260	0.00310	0.00310	2480	2450	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	
10/21/08	1600	1840	0.441	0.13	0.000750	0.000750	0.286	0.312	0.731	0.777	355	359	0.155	0.155	5460	0.00310	0.00310	2430	2690	0.00500	0.00500	0.205	0.0500	0.155	0.155	2.54	0.500
Mean	1790	1750	15.8	1.61	0.014813	0.0029074	0.328	0.309	1.49	0.882	383	363	0.162	0.149	5210	0.00591	0.00310	2650	2620	0.00600	0.00447	0.0578	0.0432	0.504	0.259	1.94	0.938
Median	1780	1780	4.20	0.501	0.000750	0.0004745	0.330	0.305	1.26	0.849	370	362	0.155	0.155	5190	0.00310	0.00310	2620	2610	0.00500	0.00500	0.0500	0.0500	0.221	0.155	1.37	0.870
St. Deviation	120	90	23.5	3.84	0.042357	0.0084418	0.057	0.026	1.01	0.312	33	12	0.026	0.021	230	0.00421	0	210	160	0.00336	0.00102	0.0454	0.0134	0.605	0.208	1.42	0.472
# of values	13	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	10
Minimum	1600	1590	0.441	0.13	0.000169	0.0004745	0.248	0.256	0.685	0.561	345	338	0.155	0.0775	4870	0.00310	0.00310	2430	2390	0.00250	0.00250	0.0155	0.0155	0.155	0.110	0.500	0.500
Maximum	1960	1890	80.4	14.3	0.153	0.031	0.495	0.342	4.38	1.63	465	379	0.248	0.155	5770	0.0142	0.00310	3120	2930	0.0136	0.00500	0.205	0.0500	1.85	0.766	5.01	1.89
%of values undetected	0%	0%	0%	0%	77%	100%	0%	0%	0%	0%	0%	0%	92%	100%	0%	62%	100%	0%	0%	77%	100%	92%	100%	46%	69%	15%	50%
# of values between MDL and MRL	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	5	0	0	0	3	0	0	0	5	4	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	18.83	18.77	NA	NA	5	4.6	NA	0.5111524	0.434	NA	NA	NA	NA	NA	NA	NA	NA	43.18	42.57
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	15%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05D																												
Sample Date																												
09/24/04	4760	4650	419	357	0.031		8.22	7.61	1.93	0.878	2200	2160	1.16	1.18	10400	0.0031	0.0031	28600	26400	0.0125	0.0125	0.155	0.155	7.85	5.96	3.56	0.54
10/19/04	5890	6120	491	457	0.1	0.031	5.73	5.53	0.975	0.847	2310	2180	0.65	0.757	10700	0.0031	0.0031	20400	20800	0.0125	0.0125	0.155	0.155	3.15	2.53	3.44	0.75
03/18/05	8080	7780	558	563	0.100	0.0315	3.84	4.02	0.588	0.545	2350	2160	0.159	0.174	9440	0.001435	0.001435	13800	13400	0.002125	0.002125	0.32	0.1	0.676	0.583	2.70	2.10
05/11/05	8550	7490	502	433	0.0315	0.0315	4.37	5.03	0.55	0.544	2280	2030	0.15	0.154	11000	0.001435	0.001435	17100	14800	0.002125	0.002125	0.0302	0.0302	0.943	0.641	1.79	1.09
08/18/05	9000	8780	667	673	0.031	0.031	3.05	3.06	1.73	1.76	2080	2120	0.0775	0.0775	13400	0.0031	0.0031	12100	12200	0.0031	0.0031	0.031	0.031	0.697	0.362	3.21	2.64
11/09/05	7980	7680	668	608	0.031	0.031	3.18	2.89	1.29	1.11	2180	2030	0.0775	0.0775	13700	0.0031	0.0031	10400	9990	0.0031	0.0031	0.031	0.031	0.453	0.591	2.95	2.36
03/23/06	9580	8780	936	946	0.000475	0.000475	2.64	2.50	1.53	1.09	2190	2160	0.155	0.155	11900	0.00310	0.00310	9770		0.00720	0.00250	0.152	0.0500	0.513	0.110	5.49	5.16
05/18/06	10200	11300	898	994	0.000475	0.00196	2.91	3.26	1.14	1.21	2340	2720	0.155	0.155	14600	0.00310	0.00310	11400	12600	0.00580	0.00740	0.0155	0.0155	0.535	0.260	2.45	
08/17/06	9960	9640	906	957	0.000475	0.000475	2.75	2.82	1.22	0.984	2210	2170	0.155	0.155	12500	0.0642	0.00310	11900	11700	0.00500	0.00500	0.0500	0.0500	0.250	0.250	4.43	3.40
10/29/06	9690	9130	875	847	0.000475	0.00250	2.83	2.81	1.62	1.58	2160	2070	0.155	0.155	11200	0.00310	0.00310	9810	9290	0.00500	0.00500	0.0500	0.0500	0.250	0.627	1.50	1.68
03/15/07	9950	9850	991	996	0.000169	0.000475	2.86	2.71	1.16	1.44	2230	2220	0.310	0.310	13700	0.00620	0.00620	11800	11700	0.0100	0.0100	0.100	0.100	0.310	0.310	1.00	3.82
05/24/08	9130	8680	1000	964	0.00075	0.00075	2.30	2.16	0.757	0.603	2090	2000	0.155	0.155	13100	0.00310	0.00310	10600	9970	0.00500	0.00500	0.0500	0.0500	0.155	0.155	3.49	2.59
08/25/08	8380	8240	963	953	0.00075	0.00075	2.48	2.33	0.689	0.749	1960	1930	0.155	0.155	12100	0.00310	0.00310	10100	9990	0.00500	0.00500	0.0500	0.0500	0.155	0.155	3.15	2.34
10/22/08	9490	9520	1110	1120	0.00075	0.00251	2.82	2.81	1.28	1.21	2050	2200	0.155	0.155	14300	0.00310	0.00310	11400	11300	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.39	2.60
Mean	8620	8400	785	776	0.0235	0.0128	3.57	3.54	1.18	1.04	2190	2150	0.262	0.273	12300	0.00745	0.00310	13500	13400	0.00596	0.00574	0.0886	0.0656	1.149	0.906	2.97	2.39
Median	9070	8730	887	897	0.00075	0.0025	2.89	2.86	1.19	1.04	2200	2160	0.155	0.155	12300	0.00310	0.00310	11600	11700	0.00500	0.00500	0.0500	0.0500	0.483	0.336	3.05	2.36
St. Deviation	1580	1650	226	252	0.0353	0.0152	1.61	1.53	0.43	0.38	110	180	0.295	0.311	1600	0.0164	0.00110	5300	4900	0.00344	0.00357	0.0829	0.0447	2.074	1.578	1.16	1.27
# of values	14	14	14	14	14	13	14	14	14	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14	14	13
Minimum	4760	4650	419	357	0.000169	0.0004745	2.30	2.16	0.55	0.544	1960	1930	0.0775	0.0775	9440	0.001435	0.001435	9770	9290	0.002125	0.002125	0.0155	0.0155	0.155	0.110	1.00	0.54
Maximum	10200	11300	1110	1120	0.1	0.0315	8.22	7.61	1.93	1.76	2350	2720	1.16	1.18	14600	0.0642	0.0062	28600	26400	0.0125	0.0125	0.32	0.155	7.85	5.96	5.49	5.16
%of values undetected	0%	0%	0%	0%	100%	85%	0%	0%	0%	0%	0%	0%	71%	71%	0%	93%	100%	0%	0%	86%	93%	86%	100%	43%	43%	7%	8%
# of values between MDL and MRL	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	2	1	0	0	0	3	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	42.73	42.60	NA	NA	5	4.6	NA	2.7053535	2.300	NA	NA	NA	NA	NA	NA	NA	NA	98.11	96.74
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	43%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-05M																									
	Sample Date																								
	09/07/04	8.46	3.89	302	-16	3.89	112	270	201	0.60	**1.57**	106	**0.53**			**0.07**		0.884	0.251	36.8	**0.00125**	**0.00125**	**0.26**		**0.039**
	09/24/04	7.60	3.00	296	-58	3.00																			
	10/19/04	8.52	3.21	287	28	3.21	93.4	270	170	**0.075**	**1.57**	110	**0.155**			**0.06**		1.02	0.172	35.3	**0.00125**	**0.0035**	**0.0295**		**0.0155**
	03/23/05	7.92	3.27	235		3.27	123	260	185	9.40	**0.785**	121	**0.07**			0.599		0.859	0.224	32.9	**0.00125**	**0.00125**	**0.21**		**0.033**
	05/11/05	8.10	4.61	234	114.7	4.61	134	280	179	**0.075**	**3.13**	122	**0.05**			**0.005**		0.837	0.202	30.1	**0.00125**	**0.00125**	**0.16**		**0.0155**
	08/18/05	7.95	4.58	273	-67	4.58	118	280	178	**0.075**	**1.57**	128	0.543			0.061		0.811	0.181	29	**0.0025**	**0.0025**	**0.16**		**0.0155**
	11/09/05	7.72	3.00	296	-58	3.00	123	275	196	**0.200**	**0.785**	129	**0.05**			0.47		0.818	0.204	28.5	**0.00125**	**0.00125**	**0.12**		**0.063**
	03/23/06	7.28	3.11	297	84	3.11	137	270	173	**0.200**	**1.75**	136	0.147			0.0555		0.831	0.127	28.8	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/18/06	6.79	3.37	285	162	3.37	148	290	185	**0.306**	**0.785**	134	**0.0535**			0.0560		0.812	0.213	26.7	**0.00125**	**0.00125**	**0.155**		**0.0630**
	08/17/06	6.40	4.17	282	167.7	4.17	129	300	184	**0.075**	**1.57**	131	**0.0155**	**0.0155**	**0.0155**	0.0180	**0.05**	0.842	0.181	27.2	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/28/06	7.23	3.44	291	143.1	3.44	137	280	166	**0.150**	**1.57**	131	**0.0155**	**0.0155**	**0.0155**	0.0740	**0.05**	0.703	0.179	28.8	**0.00075**	**0.00075**	**0.155**		**0.0500**
	03/15/07	7.91	2.24	156	-69.8	2.24	138	250	173	**0.200**	**1.57**	130	**0.0155**	**0.0155**	**0.0155**	0.0680		0.695	0.186	27.9	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/13/07	7.66	3.32	158	-84.6	3.32	138	295	178	0.600	**1.57**	130	**0.050**			0.0445		0.842	0.206	28.1	**0.00075**	**0.00075**	**0.155**		**0.0500**
	08/19/07	7.59	3.81	161	-89.4	3.81	126	285	168	**0.075**	**1.57**	128	**0.0320**			0.0531		0.688	0.188	27.8	**0.00075**	**0.00075**	**0.155**		**0.0890**
	11/10/07	7.37	3.05	274	95.5	3.05	126	280	184	**0.075**	**1.57**	127	**0.050**			0.0608		0.717	0.207	29.3	**0.00075**	**0.00075**	**0.155**		**0.0444**
	03/21/08	7.55	3.65	245	41.5	3.65	128	318	174	0.500	**1.57**	128	**0.0155**			0.0525		0.716	0.186	29.8	**0.00075**	**0.00230**	**0.155**		0.106
	05/23/08	7.72	3.27	292	-61.4	3.27	124	545	375	0.700	**1.57**	82.7	**0.0635**			0.0519		11.9	**0.037**	157	**0.00250**	**0.00250**	**0.155**	13.2	**0.0155**
	08/25/08	7.94	3.82	275	2.7	3.82	130	302	170	1.28	**1.57**	127	**0.0100**			0.0501		0.714	0.269	31.1	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/23/08	7.08	2.68	289	-296.8	2.68	127	306	171	1.89	**1.57**	126	**0.0155**			0.0787		0.681	0.191	29.5	**0.00075**	**0.00250**	**0.155**	**0.075**	**0.0500**
	Mean	7.62	3.45	259	2.1	0	127	300	189	0.92	1.54	124	0.1045	0.0155	0.0155	0.1070	0.0500	1.409	0.189	36.9	0.00110	0.00145	0.156	4.51	0.0434
	Median	7.66	3.32	282	-6.7	3.32	128	280	178	0.20	1.57	128	0.0500	0.0155	0.0155	0.0580	0.0500	0.815	0.190	29.2	0.00100	0.00125	0.155	0.25	0.0472
	St. Deviation	0.52	0.6	49	116.3	0	12	60	47	2.17	0.5	13	0.1625	0	0	0.1580	0	2.62	0.049	30.1	0.00060	0.00084	0.043	7.53	0.0263
	# of values	19	19	19	18	19	18	18	18	18	18	18	18	3	3	18	2	18	18	18	18	18	18	3	18
	Minimum	6.40	2.24	156	-296.8	2.24	93.4	250	166	0.075	0.785	82.7	0.0100	0.0155	0.0155	0.005	0.0500	0.681	0.037	26.7	0.00075	0.00075	0.0295	0.075	0.0155
	Maximum	8.52	4.61	302	167.7	4.61	148	545	375	9.40	3.13	136	0.543	0.0155	0.0155	0.599	0.0500	11.9	0.269	157	0.0025	0.0035	0.26	13.2	0.106
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	39%	89%	0%	56%	100%	100%	0%	100%	0%	0%	0%	100%	89%	72%	67%	61%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	4	2	0	6	0	0	3	0	0	1	0	0	2	5	0	6
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	1.15
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05S																									
	Sample Date																								
	09/07/04	6.91	3.96	184	32	3.96	71.9	170	109	13.4	12.4	82	**0.62**			**0.0155**		1.09	0.159	0.547	**0.00125**	**0.00125**	**0.57**		**0.0155**
	10/19/04	7.24	3.62	129	113	3.62	57.3	125	61.3	17.6	10.8	65	**0.155**			**0.06**		1.14	**0.043**	0.909	**0.003**	**0.004**	**0.17**		**0.0155**
	03/18/05	6.71	3.70	109		3.70	67.2	130	93.8	3.80	14.8	70	**0.0155**			0.186		1.05	**0.082**	0.839	**0.00125**	**0.00125**	**0.16**		0.298
	05/11/05	6.81	5.01	77	77.2	5.01	49.4	110	86.3	4.90	7.63	53.5	**0.05**			**0.0011**		0.938	**0.073**	0.844	**0.00125**	**0.00125**	**0.19**		**0.0155**
	08/18/05	6.54	4.13	103	33	4.13	52.9	115	87.5	5.70	8.00	59	**0.0155**			0.038		0.895	**0.065**	0.662	**0.0025**	**0.0025**	**0.20**		**0.0155**
	11/09/05	6.69	2.79	84	32	2.79	36.7	85	68.7	9.60	10.5	45	**0.05**			0.43		0.863	**0.055**	1.32	**0.00125**	**0.00125**	**0.10**		**0.032**
	03/23/06	7.01	3.39	113	157	3.39	49.6	110	76.3	9.90	14.8	70.0	**0.0155**			0.0520		1.01	**0.0480**	0.517	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/18/06	6.34	3.33	112	185.4	3.33	59.6	125	93.8	8.40	8.75	66.0	**0.0760**			0.0360		1.06	**0.0850**	0.578	**0.00125**	**0.00125**	**0.155**		**0.0320**
	08/17/06	5.86	4.40	55	173.1	4.40	26.9	75.0	71.2	2.30	**8.50**	39.0	**0.0375**	**0.0155**	**0.0375**	0.0180	**0.05**	0.937	**0.0920**	0.997	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/29/06	6.18	3.53	62	240.2	3.53	27.3	70.0	62.5	1.10	15.3	39.0	**0.050**	**0.0155**	**0.0500**	0.0300		0.826	**0.0470**	1.31	**0.00075**	**0.00250**	**0.155**		**0.0500**
	03/15/07	6.38	2.14	66	157.4	2.14	49.0	110	96.3	0.900	16.3	66.0	**0.0155**	**0.0155**	**0.0155**	0.0340		1.07	**0.0570**	0.449	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/13/07	6.50	3.24	66	103.3	3.24	55.0	120	82.5	2.30	**8.50**	68.0	**0.050**			**0.0051**		1.25	**0.0760**	0.625	**0.00075**	**0.00075**	**0.155**		**0.0500**
	08/19/07	6.37	3.71	76	36.3	3.71	61.4	135	87.5	3.60	15.3	72.2	**0.0920**			**0.00155**		1.06	**0.0590**	0.470	**0.00075**	**0.00075**	**0.155**		0.100
	11/11/07	5.31	2.56	52	178.5	2.56	23.8	55.0	53.8	2.91	**8.75**	27.6	**0.0885**			0.0291		1.09	**0.0620**	1.14	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/21/08	7.05	2.64	104	88.1	2.64	58.2	135	86.3	38.0	12.3	67.1	**0.0375**			0.0356		1.01	**0.0680**	0.424	**0.00075**	**0.00190**	**0.155**		**0.0155**
	05/24/08	5.36	2.91	66	192.1	2.91	27.5	78.3	76.3	2.90	**6.75**	40.0	**0.0705**			0.0174		1.07	0.126	0.728	**0.00250**	**0.00250**	**0.155**	0.891	**0.0155**
	08/25/08	6.59	4.10	144	130	4.10	53.2	127	90.0	9.56	11.7	66.0	**0.050**			0.0465		1.07	**0.08**	0.447	**0.00075**	**0.00075**	**0.155**	1.18	**0.0500**
	10/22/08	6.24	3.02	48	203.9	3.02	24.8	72.2	33.8	2.83	**7.82**	34.3	**0.0485**			0.0162		0.924	**0.074**	0.852	**0.00075**	**0.00075**	**0.155**	24.2	**0.0500**
	Mean	6.45	3.45	92	125	3	47.3	110	78.7	7.76	11.1	57.2	0.0854	0.0155	0.0343	0.0584	0.050	1.02	0.075	0.759	0.00120	0.00145	0.181	8.76	0.0473
	Median	6.52	3.46	81	130	3	51.3	110	84.4	4.35	10.7	65.5	0.0500	0.0155	0.0375	0.0320	0.050	1.06	0.071	0.695	0.00100	0.00125	0.155	1.18	0.0238
	St. Deviation	0.53	0.72	36	67	1	15.5	30	17.9	8.82	3.2	15.7	0.1378	0	0.0175	0.1013	NA	0.11	0.029	0.289	0.00070	0.00090	0.099	13.4	0.0665
	# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	1	18	18	18	18	18	18	3	18
	Minimum	5.31	2.14	48	32	2.14	23.8	55	33.8	0.900	6.75	27.6	0.0155	0.0155	0.0155	0.0011	0.0500	0.826	0.043	0.424	0.00075	0.00075	0.10	0.891	0.0155
	Maximum	7.24	5.01	184	240.2	5.01	71.9	170	109	38.0	16.3	82	0.62	0.0155	0.0500	0.43	0.050	1.25	0.159	1.32	0.003	0.004	0.57	24.2	0.298
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%	67%	17%	100%	0%	0%	0%	94%	89%	67%	0%	78%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	0	5	0	9	0	1	2	0	0	16	0	1	2	6	0	2
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	5.72
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05M																												
Sample Date																												
09/07/04	27.4	**12.5**	**0.0385**	**0.0832**	2.61	2.61	40.8	41.7	**0.0075**	**0.0075**	**0.75**	**0.75**	**3.1**	**1.55**	**0.0155**	**0.0155**	29800	30600	0.21	**0.1**	0.123	0.117	0.472	0.483	26.4	**10**	**0.05**	**0.05**
09/24/04																												
10/19/04	32.9	**12.5**	**0.11**	**0.0385**	2.34	2.44	38.2	42	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	24700		0.282	**0.115**	**0.05**	**0.05**	0.491	0.363	29.9	**3.1**	**0.05**	**0.05**
03/23/05	626	1.88	0.0468	0.0452	2.35	2.26	47.1	46	0.018	**0.001495**	**0.003835**	**0.003835**	6.25	6.41	**0.00794**	**0.003095**	35000	29700	10.1	**0.0766**	0.39	0.061	0.989	0.122	588	**3.20**	0.364	**0.0386**
05/11/05	5.69	2.79	0.0331	0.0378	2.66	2.88	42.2	45.2	**0.001495**	**0.001495**	**0.003835**	**0.003835**	6.29	6.53	**0.00752**	**0.003095**	36200	32600	0.278	**0.03565**	0.0678	0.0422	0.104	0.129	12.7	**3.13**	**0.011**	0.0813
08/18/05	10.5	3.64	0.0384	0.0264	2.39	1.97	44.5	41.3	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5.4**	**0.00775**	**0.00775**	30600	33300	**0.1**	**0.1**	0.108	0.113	0.354	0.404	27.8	21.6	**0.0155**	**0.0332**
11/09/05	18.4	**1**	0.0248	0.028	2.3	2.2	43.4	41.5	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.9**	**7.1**	**0.00775**	**0.00775**	32600	32000	0.257	**0.1**	0.0992	0.09	0.408	0.385	35.8	37.1	**0.0155**	**0.050**
03/23/06	4.20	2.89	**0.0438**	**0.0290**	1.68	1.72	49.9	50.8	**0.0120**	**0.0120**	**0.0250**	**0.0250**	5.18	**4.45**	**0.0125**	**0.0125**	35000	37100	0.208	0.214	0.118	0.121	0.284	0.276	**9.61**	**6.65**	**0.0130**	**0.0130**
05/18/06	29.9	**1.00**	**0.0316**	**0.0298**	1.66	1.67	45.0	43.2	**0.0120**	**0.0120**	**0.0075**	**0.0075**	5.19	**4.95**	**0.0125**	**0.0125**	39100	37600	0.273	**0.100**	0.110	0.101	0.425	0.314	43.6	**3.10**	**0.0302**	0.0562
08/17/06	**1.00**	**1.00**	**0.0262**	**0.0250**	2.22	1.98	40.5	44.9	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.45	**4.41**	**0.0185**	**0.0185**	34000	37100	**0.100**	0.235	0.0916	0.102	0.895	0.365	**3.10**	**3.10**	**0.0500**	**0.0500**
10/28/06	3.12	2.09	**0.0075**	**0.0250**	1.62	1.67	42.7	45.2	**0.0125**	**0.0125**	**0.0186**	**0.0176**	**4.18**	**4.32**	**0.0185**	**0.0185**	36500	38500	**0.050**	**0.050**	0.0816	0.0814	0.255	0.316	**10.0**	**10.0**	**0.0155**	0.128
03/15/07	41.6	**2.00**	**0.0500**	**0.0500**	1.85	2.05	43.9	46.2	**0.0250**	**0.0250**	**0.0150**	**0.0150**	**2.50**	**2.50**	**0.0150**	**0.0150**	36800	38800	**0.100**	**0.100**	0.0520	0.0566	0.310	**0.100**	41.8	**20.0**	**0.100**	**0.100**
05/13/07	46.3	**1.00**	**0.0436**	**0.0296**	1.88	1.92	48.5	45.4	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.31	5.23	**0.0238**	**0.0075**	36500	34900	0.288	**0.100**	0.108	0.0626	0.392	0.207	181	86.4	0.157	**0.0155**
08/19/07	3.89	**1.00**	**0.0262**	**0.0278**	1.84	2.08	42.5	48.6	**0.0125**	**0.0125**	**0.0075**	**0.0075**	6.27	6.73	**0.0075**	**0.0075**	34300	38000	**0.185**	**0.124**	0.0686	0.0736	0.208	0.270	**10.0**	**10.0**	**0.0500**	**0.0155**
11/10/07	21.3	9.87	**0.0075**	**0.0212**	2.05	2.32	43.6	48.3	**0.0458**	0.0708	**0.0075**	**0.0075**	**4.34**	6.10	**0.0075**	**0.0075**	34400	38300	0.511	0.476	0.0578	0.0572	0.186	0.145	29.3	**9.21**	**0.0155**	**0.0155**
03/21/08	61.9	3.90	**0.0242**	**0.0193**	1.94	2.07	42.6	47.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.34	5.79	**0.0075**	**0.0075**	34300	33100	0.325	**0.194**	0.0980	0.0628	0.545	0.528	199	106	**0.0342**	**0.0155**
05/23/08	88	6.05	**0.0303**	**0.0075**	2.05	2.13	44.4	45.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.04	**4.18**	**0.0075**	**0.0075**	33000	34400	0.876	0.313	0.0934	0.0489	0.341	0.215	158	82.0	**0.0500**	
08/25/08	55.2	**1.00**	**0.0075**	**0.0075**	1.92	2.19	44.6	45.9	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.75	**4.85**	**0.0075**	**0.0075**	34500	35500	0.509	**0.050**	0.0830	0.0537	0.394	0.201	175	108	**0.0619**	**0.0155**
10/23/08	54.9	**1.00**	**0.0250**	**0.0250**	2.11	2.07	43.5	44.7	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.41	5.25	**0.0075**	**0.0075**	33700	34700	0.681	**0.050**	0.0976	0.0643	0.413	0.228	147	81.4	**0.0500**	**0.0155**
Mean	62.9	3.70	0.0342	0.0309	2.08	2.12	43.8	45.2	0.0136	0.0140	0.0909	0.0909	4.84	4.85	0.0115	0.0101	33900	35100	0.852	0.141	0.1054	0.0755	0.415	0.281	96.0	34.0	0.063	0.0437
Median	28.7	2.00	0.0310	0.0279	2.05	2.08	43.6	45.2	0.0125	0.0125	0.0075	0.0075	5.19	5.09	0.0078	0.0076	34400	34900	0.276	0.100	0.0955	0.0636	0.393	0.273	32.9	10.0	0.050	0.0386
St. Deviation	143	3.90	0.0229	0.0169	0.31	0.31	2.80	2.60	0.0094	0.0151	0.240	0.240	1.29	1.63	0.0051	0.0048	3200	2900	2.32	0.111	0.0744	0.0255	0.223	0.124	141	39.0	0.083	0.0334
# of values	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18	18	18	18	17
Minimum	1.00	1.00	0.0075	0.0075	1.62	1.67	38.2	41.3	0.001495	0.001495	0.00155	0.00155	1.55	1.55	0.0075	0.003095	24700	29700	0.050	0.03565	0.05	0.0422	0.104	0.100	3.10	3.10	0.011	0.0130
Maximum	626	12.5	0.11	0.0832	2.66	2.88	49.9	50.8	0.0458	0.0708	0.75	0.75	6.29	7.1	0.0238	0.0185	39100	38800	10.1	0.476	0.39	0.121	0.989	0.528	588	108	0.364	0.128
%of values undetected	6%	56%	33%	33%	0%	0%	0%	0%	89%	94%	94%	94%	17%	17%	83%	100%	0%	0%	22%	56%	6%	6%	0%	6%	17%	39%	72%	71%
# of values between MDL and MRL	0	0	8	8	0	0	0	0	1	0	1	1	4	8	3	0	0	0	1	4	0	0	0	0	1	4	3	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.289	0.261	NA	NA	10.98	10.56276	NA	NA	10.058	9.656	1000	1000	3.559	2.770
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05S																												
Sample Date																												
09/07/04	122	**12.5**	**0.0385**	**0.0385**	4.22	4.19	19.9	18	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0336**	**0.0332**	23000	23000	6.18	2.05	0.601	0.692	0.558	0.326	1180	1040	**0.05**	**0.05**
10/19/04	879	**12.5**	**0.0385**	**0.0385**	1.14	0.988	19.9	9.31	**0.0197**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0362**	18600	16600	22.6	1.25	0.736	0.277	1.55	0.296	914	40.4	0.35	**0.05**
03/18/05	123	1.42	0.0327	0.0335	1.83	1.76	16.6	15	**0.00595**	**0.001495**	**0.003835**	**0.003835**	2.4	2.72	0.0396	0.0387	21600	19800	13.3	0.951	0.354	0.259	1.06	0.628	229	77.8	**0.0594**	0.0951
05/11/05	139	2.09	0.0277	0.0351	2	2.08	10.9	11.2	**0.00664**	**0.001495**	**0.003835**	**0.003835**	2.69		0.0299	0.0311	15700	14400	13.1	0.639	0.323	0.213	0.819	0.491	325	104	0.076	**0.035**
08/18/05	204	2.03	0.0292	0.028	3.04	2.97	14.5	11.4	**0.0075**	**0.0075**	**0.0082**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	16700	15500	11.8	1.23	0.363	0.232	1.22		461	227	**0.0962**	**0.074**
11/09/05	281	3.34	0.0198	**0.00155**	0.531	0.78	10.6	7.84	**0.0164**	**0.0075**	**0.005**	**0.00155**	**1.55**	**4**	**0.00775**	**0.00775**	11500	12500	9.63	0.964	0.338	0.12	2.43	0.563	440	**14.9**	0.183	0.141
03/23/06	240	2.17	**0.0414**	**0.0214**	1.66	1.52	16.1	11.5	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0346**	**0.0276**	15800	16300	10.8	1.18	0.434	0.133	1.76	1.34	427	26.8	0.170	**0.0130**
05/18/06	199	**1.00**	**0.0254**	**0.0232**	1.93	2.29	14.3	13.1	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**1.72**	**1.69**	**0.0125**	**0.0125**	19000	20000	11.8	1.65	0.344	0.190	1.63	0.977	318	71.2	0.102	0.0806
08/17/06	72.5	**1.00**	0.0890	**0.0306**	0.928	0.647	6.17	6.74	**0.0125**	**0.0125**	**0.0075**	**0.0264**	**1.25**	**1.25**	**0.0185**	**0.0185**	8310	9570	8.22	1.62	0.140	0.0948	0.855	0.653	142	37.7	**0.0500**	**0.0155**
10/29/06	61.9	**1.00**	**0.0250**	**0.0075**	**0.155**	**0.155**	6.50	5.61	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	8410	8840	9.35	1.30	0.124	0.0712	0.805	0.479	138	25.9	0.110	**0.0500**
03/15/07	60.8	8.12	**0.0250**	**0.0250**	0.826	0.836	10.5	10.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0214**	**0.0206**	15500	15600	5.23	1.36	0.140	0.0990	0.912	0.714	133	53.6	0.107	**0.0500**
05/13/07	42.4	2.03	**0.0244**	**0.0234**	1.10	0.925	13.2	12.7	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0270**	**0.0296**	16900	17100	5.26	1.63	0.157	0.143	0.959	0.874	174	123	**0.0500**	**0.0500**
08/19/07	68.2	2.41	**0.0242**	**0.0176**	1.67	1.65	14.8	13.5	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.79**	**0.0206**	**0.0194**	19100	19600	6.46	1.86	0.269	0.211	1.14	0.912	370	278	0.127	**0.0500**
11/11/07	260	3.24	**0.0266**	**0.0202**	**0.155**	**0.155**	7.04	4.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0168**	**0.0075**	7270	6940	6.20	1.42	0.205	0.0468	1.07	0.344	345	22.5	0.281	**0.0155**
03/21/08	67.9	**1.11**	**0.0213**	**0.0182**	0.757	0.541	11.6	9.64	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	18200	16800	5.90	1.45	0.154	0.0855	1.09	0.677	204	89.6	**0.0609**	**0.0155**
05/24/08	110	2.03	**0.0281**	**0.0312**	0.617	0.549	7.31	6.32	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8360	9200	6.27	1.02	0.162	0.0721	0.646	0.442	203	38.0	**0.0500**	**0.0155**
08/25/08	164	2.83	**0.0249**	**0.0075**	0.653	0.605	11.2	10.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0224**	**0.0217**	16600	19200	5.68	0.977	0.230	0.0958	1.24	0.954	383	152	0.141	**0.0155**
10/22/08	67.7	**1.00**	**0.0250**	**0.0250**	**0.342**	**0.311**	5.00	4.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7350	8200	7.13	1.34	0.118	0.0709	0.649	0.443	149	43.0	**0.0500**	**0.0155**
Mean	176	3.43	0.0315	0.0237	1.31	1.28	12.0	10.1	0.0118	0.0101	0.0905	0.0910	1.46	1.64	0.0194	0.0196	14900	15000	9.16	1.33	0.288	0.173	1.13	0.654	363	137	0.117	0.046
Median	123	2.06	0.0260	0.0242	1.01	0.881	11.4	10.1	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.019	16200	16000	7.68	1.32	0.250	0.127	1.07	0.628	322	62.4	0.099	0.050
St. Deviation	191	3.68	0.0156	0.0105	1.05	1.07	4.50	3.70	0.0033	0.0038	0.240	0.240	0.45	0.8	0.0103	0.011	5100	4700	4.35	0.35	0.171	0.148	0.47	0.282	276	237	0.084	0.035
# of values	18	18	18	18	18	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18	18	18	18	17	18	18	18	18
Minimum	42.4	1	0.0198	0.00155	0.155	0.155	5	4.14	0.00595	0.001495	0.003835	0.00155	0.75	0.75	0.0075	0.0075	7270	6940	5.23	0.639	0.118	0.0468	0.558	0.296	133	14.9	0.0500	0.0130
Maximum	879	12.5	0.089	0.0385	4.22	4.19	19.9	18	0.0197	0.0125	0.75	0.75	2.69	4	0.0396	0.0387	23000	23000	22.6	2.05	0.736	0.692	2.43	1.34	1180	1040	0.35	0.141
%of values undetected	0%	33%	28%	39%	11%	11%	0%	0%	78%	100%	94%	94%	83%	76%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	78%
# of values between MDL and MRL	0	1	8	8	1	1	0	0	4	0	1	1	1	3	7	7	0	0	0	0	0	0	0	0	0	1	3	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.096	0.093	NA	NA	10.98	10.56276	NA	NA	2.819	2.707	1000	1000	0.535	0.532
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	0%	0%	0%	0%	0%	6%	6%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-05M																												
Sample Date																												
09/07/04	9170	9630	221	229			4.65	4.8	0.737	0.744	1240	1260	**0.155**	**0.155**	7230	**0.0031**	**0.0031**	8090	8520	**0.0125**	**0.0125**	**0.155**	**0.155**	1.7	1.61	**0.75**	**0.75**
09/24/04																												
10/19/04	7700		242	235	**0.031**	**0.031**	4.75	5.22	0.758	0.714	1240	1430	**0.155**	**0.155**	6600	**0.0031**	**0.0031**	6750	9430	**0.0125**	**0.0125**	**0.155**	**0.155**	1.23	1.41	**0.75**	**0.75**
03/23/05	8650	10400	244	280	**0.0315**	**0.0315**	5.18	4.92	5.1	0.778	1350	1300	**0.0143**	**0.0143**	6100	**0.00569**	**0.00353**	7770	9590	**0.002125**	**0.002125**	0.336	**0.0302**	2.01	0.785	4.51	2.00
05/11/05	10700	9820	278	265	**0.0315**	**0.0315**	4.56	5.04	0.182	0.182	1340	1240	**0.0143**	**0.0143**	6760	**0.001435**	**0.001435**	9530	8690	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.58	0.614	1.83	1.98
08/18/05	10000	11200	278	272	**0.031**	**0.031**	4.88	4.87	1.59	1.73	1530	1440	**0.0775**	**0.0775**	7500	**0.0031**	**0.0031**	9520	9080	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.213**		2.3	2.81
11/09/05	10100	9920	269	259	**0.031**	**0.031**	4.74	4.56	1.23	1.32	1420	1390	**0.0775**	**0.0775**	7780	**0.0031**	**0.0031**	9190	8650	**0.0031**	**0.0031**	**0.031**	**0.031**	0.914	0.845	1.82	1.77
03/23/06	12200	13500	306	293	**0.000475**	**0.000475**	4.65	4.78	0.874	0.905	1490	1490	**0.155**	**0.155**	7390	**0.00310**	**0.00310**	9210	9470	**0.00250**	**0.00250**	0.104	**0.0500**	**0.319**	**0.393**	2.87	2.39
05/18/06	12100	11800	290	287	**0.000475**	**0.00282**	5.01	4.78	0.991	1.06	1580	1580	**0.155**	**0.155**	5310	**0.00310**	**0.00310**	9380	9860	**0.00560**	**0.00250**	**0.0155**	**0.0155**	0.721	**0.446**	1.58	1.59
08/17/06	10800	11800	282	313	**0.000475**	**0.000475**	4.36	4.85	0.876	0.847	1360	1480	**0.155**	**0.155**	6850	**0.00310**	**0.00310**	8550	9640	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.544**	**0.250**	3.00	2.01
10/28/06	11100	11600	274	269	**0.000475**	**0.000475**	4.91	5.28	1.08	1.17	1430	1580	**0.155**	**0.155**	7180	**0.00310**	**0.00310**	9320	9820	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.11	**0.802**	1.74	2.30
03/15/07	11200	11700	273	288	**0.000169**	**0.000475**	4.34	4.60	0.934	1.10	1450	1530	**0.310**	**0.310**	7220	**0.00620**	**0.00620**	9650	10200	**0.0100**	**0.0100**	**0.100**	**0.100**	**0.310**	**0.310**	**0.310**	**0.310**
05/13/07	11400	10900	306	291	**0.000169**	**0.000475**	5.08	4.85	1.27	1.16	1480	1410	**0.155**	**0.155**	6870	**0.00310**	**0.00310**	9920	9550	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.88	**0.500**
08/19/07	9930	11100	289	328	**0.00250**	**0.000475**	4.72	5.38	1.04		1370	1500	**0.155**	**0.155**	7680	**0.00310**	**0.00310**	9210	10200	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.47	1.71
11/10/07	9790	11200	270	300	**0.000169**	**0.000475**	4.52	5.21	0.446	0.444	1490	1600	**0.155**	**0.155**	7610	**0.00310**	**0.00310**	8830	9870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.55	1.52
03/21/08	10300	10900	287	317	**0.000750**	**0.000750**	4.68	4.86	0.911		1410	1420	**0.155**	**0.155**	7300	**0.00310**	**0.00310**	9020	9380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.397**	**0.155**	**0.628**	**0.668**
05/23/08	10200	10800	273	284	**0.000750**	**0.000750**	4.81	4.54	0.875	0.653	1420	1450	**0.155**	**0.155**	7520	**0.00310**	**0.00310**	8780	9360	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.376**	**0.155**	1.12	
08/25/08	10600	11100	288	282	**0.00159**	**0.000750**	4.87	5.04	0.869	0.803	1440	1510	**0.155**	**0.155**	5680	**0.00310**	**0.00310**	9230	9310	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.311**	**0.478**	**0.500**	**0.500**
10/23/08	10400	10800	280	282	**0.000750**	**0.000750**	4.81	4.91	1.96	1.80	1370	1420	**0.155**	**0.155**	7250	**0.00310**	**0.00310**	9150	9570	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.377**	**0.155**	**0.500**	**0.500**
Mean	10400	11100	275	282	0.00969	0.00971	4.75	4.92	1.207	0.963	1410	1450	0.139	0.139	6990	0.00332	0.00320	8950	9460	0.00548	0.00530	0.0782	0.0582	0.643	0.522	1.67	1.42
Median	10400	11100	278	283	0.00075	0.00075	4.75	4.87	0.923	0.876	1420	1450	0.155	0.155	7230	0.00310	0.00310	9200	9510	0.00500	0.00500	0.0500	0.0500	0.387	0.393	1.57	1.59
St. Deviation	1100	900	21	25	0.0143	0.0143	0.22	0.24	1.047	0.423	90	100	0.065	0.065	690	0.00103	0.00085	760	480	0.00310	0.00318	0.0756	0.0391	0.546	0.446	1.11	0.80
# of values	18	17	18	18	17	17	18	18	18	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	18	17
Minimum	7700	9630	221	229	0.000169	0.0004745	4.34	4.54	0.182	0.182	1240	1240	0.0143	0.0143	5310	0.001435	0.001435	6750	8520	0.002125	0.002125	0.0155	0.0155	0.155	0.155	0.31	0.31
Maximum	12200	13500	306	328	0.0315	0.0315	5.18	5.38	5.1	1.80	1580	1600	0.310	0.31	7780	0.0062	0.0062	9920	10200	0.0125	0.0125	0.336	0.155	2.01	1.61	4.51	2.81
%of values undetected	0%	0%	0%	0%	94%	94%	0%	0%	0%	0%	0%	0%	100%	100%	0%	94%	94%	0%	0%	94%	100%	89%	100%	22%	47%	28%	35%
# of values between MDL and MRL	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	7	4	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	56.20	56.03	NA	NA	5	4.6	NA	4.7229279	4.014	NA	NA	NA	NA	NA	NA	NA	NA	129.10	127.30
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	29%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-05S																												
Sample Date																												
09/07/04	3510	3550	990	976			**0.705**	**0.726**	4.2	2.62	493	479	**0.155**	**0.155**	10000	**0.0031**	**0.0031**	2910	2890	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.75**	**0.75**
10/19/04	2630	2490	368	353	**0.031**	**0.031**	**0.889**	**0.831**	15.3	4.72	542	418	**0.155**	**0.155**	7980	**0.0072**	**0.0031**	3030	2760	**0.0125**	**0.0125**	**0.155**	**0.155**	1.84	**0.125**	2.19	**0.75**
03/18/05	3220	2960	787	805	**0.0315**	**0.0315**	1.97	2.02	7.24	4.56	471	461	**0.0143**	**0.0143**	7870	**0.001435**	**0.001435**	3020	2660	**0.002125**	**0.002125**	0.25	**0.1**	0.543	0.272	1.62	1.36
05/11/05	2470	2230	521	505	**0.0315**	**0.0315**	1.57	1.79	7.48	5.12	409	401	**0.0143**	**0.0143**	9540	**0.001435**	**0.00337**	2980	2590	**0.002125**	**0.002125**	**0.0302**	**0.0755**	0.544	0.253	1.02	**0.50**
08/18/05	2710	2560	632	601	**0.031**	**0.031**	2.46	2.44	7.15	4.55	477	430	**0.0775**	**0.0775**	10500	**0.0031**	**0.0031**	2970	2870	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.376**	0.625	3.78	**0.75**
11/09/05	1930	2040	130	124	**0.031**	**0.031**	0.615		5.56	2.79	379	378	**0.0775**	**0.0775**	9570	**0.0031**	**0.0092**	2700	2830	**0.0031**	**0.0031**	**0.031**	**0.031**	1.04	0.425	1.66	**0.75**
03/23/06	2460	2540	517	493	**0.00250**	**0.00250**	2.15	2.20	6.57	3.19	437	424	**0.155**	**0.155**	9310	**0.00310**	**0.00310**	2660	2750	**0.00600**	**0.00250**	**0.0500**	**0.0500**	0.546	**0.110**	2.32	1.84
05/18/06	2980	3020	726	723	**0.00418**	**0.00355**	2.23	2.14	6.88	4.22	528	523	**0.155**	**0.155**	11100	**0.00310**	**0.00310**	3210	3300	**0.00620**	**0.00250**	**0.0155**	**0.0155**	0.734	**0.110**	1.39	1.33
08/17/06	1480	1710	81.4		**0.00106**	**0.00145**	0.462	0.564	4.20	2.93	324	356	**0.155**	**0.155**	8900	**0.00310**	**0.00310**	2630	2710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.78	1.30
10/29/06	1530	1550	8.97	5.23	**0.00250**	**0.00250**	0.240	0.222	4.95	3.55	329	327	**0.155**	**0.155**	7820	**0.00310**	**0.00310**	2680	2600	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.657**	**0.250**	**0.500**	**0.500**
03/15/07	2520	2590	344	324	**0.00277**	**0.00341**	1.12	1.19	3.62	3.36	363	351	**0.155**	**0.155**	7660	**0.00310**	**0.00310**	2510	2530	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.349**	**0.364**	1.49	1.84
05/13/07	3120	3130	593	597	**0.00145**	**0.00209**	1.47	1.54	3.65	3.89	417	416	**0.155**	**0.155**	9480	**0.00310**	**0.00310**	3080	3050	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	
08/19/07	3310	3350	954	982	0.00511	**0.00302**	1.51	1.59	4.34	4.19	444	441	**0.155**	**0.155**	10400	**0.00310**	**0.00310**	3210	3360	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.48	1.99
11/11/07	1380	1300	21.4	6.13	**0.000685**	**0.000475**	0.192	0.186	3.57	2.29	345	331	**0.155**	**0.155**	8580	**0.00310**	**0.00310**	2870	2660	**0.0156**	**0.00500**	**0.0500**	**0.0500**	**0.453**	**0.155**	2.37	1.41
03/21/08	3110	2900	297	230	0.00523	**0.00383**	1.46	1.20	3.95	2.44	441	408	**0.155**	**0.155**	9160	**0.00310**	**0.00310**	3040	2870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.972**	**0.767**
05/24/08	1600	1740	92.2	96.9	**0.00392**	**0.00156**	0.441	0.454	3.51	1.79	358	362	**0.155**	**0.155**	9100	**0.00310**	**0.00310**	2690	2770	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/25/08	2860	3290	435	472	**0.00496**	**0.000750**	1.30	1.46	3.89	2.20	415	463	**0.155**	**0.155**	9720	**0.00310**	**0.00310**	2820	3150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.346**	**0.155**	1.47	**0.500**
10/22/08	1580	1770	19.1	15.9	**0.00153**	**0.000750**	0.253	0.309	3.98	3.32	327	320	**0.155**	**0.155**	9940	**0.00310**	**0.00310**	3090	3230	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
Mean	2470	2480	418	430	0.0113	0.0107	1.17	1.23	5.56	3.43	417	405	0.131	0.131	9260	0.00314	0.00336	2890	2870	0.00601	0.00503	0.0677	0.0618	0.477	0.222	1.46	1.02
Median	2580	2550	402	472	0.00418	0.00302	1.21	1.20	4.27	3.34	416	412	0.155	0.155	9400	0.00310	0.00310	2940	2800	0.00500	0.00500	0.0500	0.0500	0.363	0.155	1.48	0.75
St. Deviation	710	680	321	325	0.0133	0.0137	0.73	0.74	2.83	0.98	68	57	0.049	0.049	990	0.00115	0.00151	210	250	0.00370	0.00296	0.0588	0.0380	0.422	0.134	0.85	0.53
# of values	18	18	18	17	17	17	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17
Minimum	1380	1300	8.97	5.23	0.000685	0.0004745	0.192	0.186	3.51	1.79	324	320	0.0143	0.0143	7660	0.001435	0.001435	2510	2530	0.002125	0.002125	0.0155	0.0155	0.125	0.110	0.500	0.500
Maximum	3510	3550	990	982	0.0315	0.0315	2.46	2.44	15.3	5.12	542	523	0.155	0.155	11100	0.0072	0.0092	3210	3360	0.0156	0.0125	0.25	0.155	1.84	0.625	3.78	1.99
%of values undetected	0%	0%	0%	0%	41%	59%	0%	0%	0%	0%	0%	0%	100%	100%	0%	94%	89%	0%	0%	83%	100%	94%	94%	39%	72%	28%	53%
# of values between MDL and MRL	0	0	0	0	8	7	2	2	0	0	0	0	0	0	0	1	2	0	0	3	0	0	1	5	1	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	15.95	15.91	NA	NA	5	4.6	NA	0.3650271	0.310	NA	NA	NA	NA	NA	NA	NA	NA	36.58	36.06
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	29%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Dissolved Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Laboratory Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Thiocyanate	DOC (Dissolved Organic Carbon)	Total Ammonia[3]
Location: Total/Dissolved																								
Units	pH Units	mg/L	µmhos/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-06D																								
Sample Date																								
09/07/04	6.40	3.62	57	235	3.62	16.1	55	38.8	1.40	4.20	18	**0.155**			**0.0155**		0.665	0.13	2.87	0.0027	0.00125	0.61		**0.0155**
10/21/04	6.69	4.37	31	266	4.37	17.2	50	46.3	**0.075**	**1.57**	20	**0.5**			**0.0155**		0.865	**0.0155**	3.08	**0.00125**	**0.00125**	0.15		**0.0155**
03/20/05	6.46	2.38	40		2.38	21.6	46	48.8	**0.075**	10.0	20	1.17			0.015		0.717	**0.0155**	3.22	**0.00125**	**0.00125**	0.23		**0.0155**
05/12/05	6.16	2.91	42	184.4	2.91	18.3	42	41.3	**0.150**	7.38	15.5	0.12			0.126		0.677	0.033	2.79	**0.00125**	**0.00125**	0.31		**0.0155**
08/20/05	6.11	5.95	37	59	5.95	16.9	42.5	33.8	**0.075**	5.38	18	**0.0385**			0.021		0.581	**0.0155**	3.1	**0.00125**	**0.00125**	0.77		**0.0155**
11/05/05	6.22	3.58	43	298	3.58	15.3	40.5	30.0	**0.075**	6.38	16	0.102			**0.018**		0.676	0.033	3.09	**0.00125**	**0.00125**	0.083		**0.0155**
03/10/06	6.45	2.33	43	329	2.33	17.5	45.0	**3.80**	**0.075**	6.00	22.0	**0.0675**			0.0100		0.647	**0.0155**	3.47	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/23/06	5.83	3.69	41	276.7	3.69	16.2	45.0	28.7	**0.139**	7.25	16.0	**0.0155**			0.0197		0.897	0.0420	3.86	**0.00125**	**0.00125**	**0.155**		**0.0155**
08/20/06	6.06	6.01	42	196	6.01	18.0	43.0	51.3	**0.075**	**9.25**	14.0	0.656	**0.0885**	0.568	0.0200	**0.05**	0.532	0.0440	3.55	**0.00075**	**0.00075**	**0.155**		**0.0155**
10/29/06	6.64	4.34	38	246.8	4.34	13.2	36.0	30.0	**0.075**	**9.25**	16.0	0.155	**0.0155**	0.147	0.0190	**0.0155**	0.594	**0.0155**	2.49	**0.00075**	**0.00075**	**0.155**		**0.0500**
03/17/07	6.05	2.75	24	208.4	2.75	14.4	42.0	32.5	**0.075**	11.8	20.0	0.225	**0.0155**	0.210	0.0290	**0.05**	0.584	**0.0155**	3.47	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/14/07	6.08	3.15	26	162.3	3.15	17.9	46.5	37.5	**0.075**	**5.50**	21.0	0.109			0.0144		0.722	0.0410	2.18	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/21/07	5.93	5.00	26	162.8	5.00	16.6	44.5	27.5	**0.075**	**7.50**	17.4	**0.0630**			**0.0091**		0.456	**0.0155**	2.63	**0.00075**	**0.00075**	**0.155**		**0.0672**
11/14/07	6.05	3.05	35	253.1	3.05																			
11/15/07						13.8	38.0	41.3	**0.150**	**5.50**	14.0	**0.0155**			0.0205		0.599	0.0310	3.15	**0.00075**	**0.00250**	**0.155**		**0.0460**
03/23/08	6.64	2.62	36	118.8	2.62	15.5	47.7	60.0	0.700	**6.20**	16.3	0.106			0.0122		0.561	0.0400	3.31	**0.00075**	**0.00075**	**0.155**		**0.0363**
05/19/08	6.37	2.85	43	376.6	2.85	15.9	44.2	31.3	**0.075**	**3.56**	16.1	0.199			0.0151		0.469	0.036	3.27	**0.00250**	**0.00250**	**0.155**	**0.250**	**0.0155**
08/25/08	5.54	5.39	40	125.6	5.39	15.8	44.2	35.0	**0.444**	**6.00**	17.4	**0.050**			0.0220		0.313	0.034	3.10	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/18/08	6.11	4.89	39	156.3	4.89	13.7	48.1	21.3	**0.0785**	**3.44**	15.3	0.065			0.0123		0.626	**0.0155**	2.88	**0.00075**	**0.00075**	**0.155**	0.200	**0.0155**
Mean	6.21	3.83	38	215.0	4	16.3	44.5	35.5	0.216	6.45	17.4	0.212	0.0398	0.308	0.0230	0.0385	0.621	0.033	3.08	0.00120	0.00120	0.223	0.233	0.0270
Median	6.14	3.60	40	208.4	4.00	16.2	44.4	34.4	0.075	6.10	16.9	0.108	0.0155	0.210	0.0170	0.0500	0.613	0.032	3.10	0.00100	0.00130	0.155	0.250	0.0155
St. Deviation	0.3	1.21	8	81.8	1	2	4.3	12.4	0.338	2.53	2.4	0.292	0.0421	0.227	0.0260	0.0199	0.138	0.027	0.40	0.00060	0.00050	0.178	0.029	0.0176
# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	3	18	18	18	18	18	18	3	18
Minimum	5.54	2.33	24	59	2.33	13.2	36.0	3.80	0.075	1.57	14.0	0.0155	0.0155	0.147	0.0091	0.0155	0.313	0.0155	2.18	0.00075	0.00075	0.083	0.200	0.0155
Maximum	6.69	6.01	57	376.6	6.01	21.6	55	60.0	1.40	11.8	22.0	1.17	0.0885	0.568	0.126	0.0500	0.897	0.13	3.86	0.0027	0.0025	0.77	0.250	0.0672
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	83%	6%	0%	28%	67%	0%	11%	100%	0%	44%	0%	94%	100%	67%	67%	83%
# of values between MDL and MRL	0	0	0	0	0	0	0	1	1	10	0	4	1	0	2	0	0	9	0	1	0	6	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.51
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-07D																								
Sample Date																								
09/06/04	5.89	3.23	51	308	3.23	13.8	42	50.0	6.90	**3.80**	20	**0.155**			0.11		0.805	0.104	1.94	**0.00125**	0.0027	**0.065**		**0.0155**
10/20/04	6.64	2.62	50	281	2.62	13.9	43	50.0	**0.075**	**7.00**	20	**0.155**			**0.09**		0.849	**0.0155**	1.27	**0.00125**	**0.00125**	**0.0295**		**0.0155**
03/17/05	6.65	2.51	38		2.51	15.1	41	41.3	**0.075**	7.00	17	0.08			0.166		0.785	0.048	2.67	**0.00125**	**0.00125**	0.16		**0.05**
05/15/05	5.87	3.93	42	140	3.93	15.4	40	56.3	0.200	7.00	20	0.05			0.102		0.697	0.043	0.997	**0.00125**	**0.00125**	0.16		**0.0155**
08/21/05	5.90	4.17	40	104	4.17	13.9	39.5	43.8	**0.075**	**2.50**	17	**0.0155**			0.088		0.639	0.039	1.09	**0.00125**	**0.00125**	0.24		**0.0155**
11/12/05	6.15	2.67	39	237	2.67	14.5	38	41.3	**0.075**	5.88	17.5	0.113			0.092		0.633	0.031	0.86	**0.00125**	**0.00125**	0.10		**0.05**
03/12/06	6.76	2.62	40	328.0	2.62	14.9	38.0	31.2	**0.075**	5.50	10.0	0.158			0.0840		0.670	**0.0155**	1.22	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/23/06	5.35	3.88	36	299.3	3.88	13.7	39.0	38.8	**0.075**	7.00	20.0	**0.0650**			0.154		0.679	0.0570	0.794	**0.00125**	**0.00125**	**0.155**		**0.0155**
08/21/06	6.07	3.35	37	178.2	3.35	14.7	39.5	58.7	**0.250**	**5.50**	16.0	**0.0985**	**0.0155**	**0.0985**	0.0840		0.653	0.0770	0.819	**0.00075**	**0.00075**	**0.155**		**0.0155**
10/30/06	6.52	3.13	41	272.9	3.13	15.0	41.0	57.5	**0.075**	**7.50**	21.0	**0.0660**	**0.0155**	**0.0645**	0.101		0.530	**0.0155**	0.618	**0.00075**	**0.00075**	**0.155**		**0.0500**
03/18/07	6.17	2.88	22	187.8	2.88	13.2	36.0	48.8	**0.075**	**7.00**	20.0	**0.0840**	**0.0155**	**0.0500**	0.0970		0.548	**0.0155**	0.687	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/11/07	6.18	3.44	23	163.2	3.44	14.2	38.0	36.3	**0.075**	**4.25**	20.0	0.133			0.0843		0.717	0.0490	0.762	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/23/07	6.18	3.27	22	139.3	3.27	13.5	39.0	43.8	**0.075**	**5.00**	17.5	0.101			0.0848		0.555	0.0320	0.673	**0.00075**	**0.00075**	**0.155**		**0.0155**
11/14/07	6.41	2.56	36	206.5	2.56	13.3	40.0	45.0	**0.075**	**6.25**	17.9	**0.0985**			0.103		0.569	0.0440	0.643	0.00200	**0.00075**	**0.155**		**0.0155**
03/23/08	6.05	2.52	37	106.8	2.52	13.3	41.7	42.5	**0.150**	**5.94**	18.4	0.133			0.0913		0.582	0.0420	0.664	0.00190	**0.00075**	**0.155**		**0.0602**
05/19/08	6.97	3.28	40	127.0	3.28	14.3	44.4	41.3	**0.075**	**1.57**	21.1	**0.0935**			0.0905		0.407	0.069	0.569	**0.00250**	**0.00250**	**0.155**	**0.075**	**0.0155**
08/25/08	6.80	3.14	390	169.3	3.14	13.4	41.1	45.0	**0.0775**	**5.06**	20.7	0.124			0.0911		0.593	0.052	0.619	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/16/08	5.96	2.68	42	141.8	2.68	15.0	44.1	33.8	**0.076**	**5.14**	21.3	0.117			0.0910		0.634	0.072	0.593	**0.00075**	**0.00075**	**0.155**	1.42	**0.0155**
Mean	6.25	3.10	57	199.4	3.00	14.2	40.3	44.7	0.475	5.49	18.6	0.102	0.0155	0.0710	0.1002	NA	0.641	0.046	0.972	0.00120	0.00120	0.145	0.582	0.0276
Median	6.18	3.14	40	178.2	3	14.1	40.0	43.8	0.075	5.69	20.0	0.100	0.0155	0.0645	0.0912	NA	0.637	0.044	0.778	0.00125	0.00100	0.155	0.250	0.0155
St. Deviation	0.41	0.52	83	74.2	1	0.7	2.2	7.7	1.604	1.64	2.7	0.039	0	0.0249	0.0230	NA	0.107	0.024	0.544	0.00050	0.00060	0.044	0.731	0.0177
# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	0	18	18	18	18	18	18	3	18
Minimum	5.35	2.51	22	104	2.51	13.2	36.0	31.2	0.075	1.57	10.0	0.0155	0.0155	0.0500	0.0840	NA	0.407	0.0155	0.569	0.00075	0.00075	0.0295	0.075	0.0155
Maximum	6.97	4.17	390	328	4.17	15.4	44.4	58.7	6.90	7.50	21.3	0.158	0.0155	0.0985	0.166	NA	0.849	0.104	2.67	0.00250	0.0027	0.24	1.42	0.0602
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	89%	6%	0%	17%	100%	33%	0%		0%	22%	0%	89%	94%	78%	67%	94%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	1	12	0	8	0	2	1		0	13	0	2	1	4	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.25
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-06D																												
Sample Date																												
09/07/04	43	**12.5**	**0.0385**	**0.0385**	0.59	0.533	2.33	2.35	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	4750	4960	0.464	0.329	**0.0155**	**0.05**	0.372	0.374	**10**	**3.1**	**0.05**	**0.05**
10/21/04	**12.5**	**3.9**	**0.0385**	**0.0385**	0.58	0.532	2.15	1.94	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	5100	5110	0.87	**0.05**	**0.0155**	**0.0155**	0.413	0.354	**10**	**3.1**	**0.05**	**0.05**
03/20/05	5.18	2.75	0.0486	0.0295	0.628	0.512	2.34	2.67	**0.00325**	**0.001495**	**0.0089**	**0.003835**	2.29	1.76	**0.003095**	**0.003095**	6250	4780	1.03	0.684	**0.0294**	**0.0252**	0.658	0.743	8.78	**5.76**	**0.0236**	**0.0677**
05/12/05	3.65	1.39	0.0288	0.0297	0.574	0.58	2.36	2.03	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.92		**0.0102**	**0.003095**	5600	4530	0.383	0.239	**0.0148**	**0.00476**	0.245	0.202	**5.05**	**1.325**	0.0922	**0.035**
08/20/05	8.56	2.28	0.623	0.0344	0.847	0.657	2.38	1.98	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5**	**0.00775**	**0.00775**	5060	4730	1.28	0.413	0.0312	0.0252	0.351	0.287	**7.54**	**3.1**	**0.0155**	**0.077**
11/05/05	**1**	**1**	0.0174	0.016	0.517	0.851	1.85	1.89	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4580	4660	0.414	0.489	0.0206	0.024	0.321	0.334	**3.1**	**3.1**	**0.0155**	
03/10/06	3.92	**1.00**	0.0656	**0.0276**	**0.155**	**0.155**	2.19	2.11	**0.0120**	**0.0120**	0.0698	**0.0250**	**1.83**	**0.75**	**0.0125**	**0.0125**	5010	4690	0.809	0.707	**0.0100**	**0.0138**	0.388	0.249	**10.0**	**10.0**	**0.0250**	**0.0130**
05/23/06	**1.00**	**1.00**	**0.0324**	**0.0414**	**0.444**	**0.387**	2.06	2.04	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**1.72**	**0.0125**	**0.0125**	4810	5130	0.377	0.290	**0.0100**	**0.0100**	0.354	0.267	**3.10**	**3.10**	0.0738	0.112
08/20/06	**1.00**	**1.00**	**0.0382**	**0.0368**	0.840	0.573	2.32	2.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5330	5250	0.737	0.613	0.0252	0.0284	0.532	0.505	**3.10**	**3.10**	**0.0500**	**0.0500**
10/29/06	**1.00**	**1.00**	**0.0250**	**0.0075**	**0.155**	0.718	1.82	1.89	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4050	4210	**0.050**	**0.050**	**0.0065**	**0.0152**	0.320	0.343	**3.10**	**10.0**	**0.0155**	**0.0500**
03/17/07	3.27	2.22	**0.0250**	**0.0250**	**0.426**	**0.401**	1.81	1.93	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4350	4930	0.360	0.391	**0.0100**	**0.0100**	0.269	0.270	**3.10**	**3.10**	**0.0500**	**0.0155**
05/14/07	11.7	**1.00**	0.369	**0.0412**	**0.155**	**0.155**	3.51	2.21	**0.0125**	**0.0125**	**0.0250**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5200	5260	0.526	0.497	**0.0100**	**0.0100**	0.397	0.300	**10.0**	**10.0**	**0.0500**	**0.0155**
08/21/07	2.48	**1.00**	**0.0312**	**0.0256**	**0.342**	**0.320**	2.10	1.96	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4990	4660	0.420	0.313	**0.0138**	**0.0140**	1.02	0.298	**3.10**	**10.0**	**0.0500**	**0.0500**
11/14/07																												
11/15/07	2.21	2.09	**0.0324**	**0.0238**	**0.155**	**0.380**	1.94	1.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4230	4680	0.247	0.303	**0.0122**	**0.0050**	0.441	0.428	**7.19**	**3.10**	**0.0155**	**0.0155**
03/23/08	2.24	**1.78**	**0.0241**	**0.0242**	**0.346**	**0.361**	1.97	1.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4670	4740	0.426	0.360	**0.0050**	**0.0100**	0.272	0.369	**14.9**	**16.8**	**0.0155**	**0.0155**
05/19/08	2.25	**1.00**	**0.0216**	**0.018**	**0.433**	**0.345**	1.94	1.98	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4770	4420	0.338	0.378	**0.0118**	**0.0126**	1.06	0.275	**16.0**	20.0	**0.0155**	**0.0155**
08/25/08	2.05	**1.00**	**0.0075**	**0.0075**	**0.389**	**0.316**	2.00	2.02	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4710	4770	0.262	0.218	**0.0050**	**0.0050**	0.257	0.234	**17.1**	**16.5**	**0.0155**	**0.0155**
10/18/08	**1.65**	**1.00**	**0.0250**	**0.0250**	**0.374**	**0.482**	1.73	1.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4090	4290	0.267		**0.0122**	**0.0134**	0.336	0.396	**10.6**	**17.0**	**0.0155**	**0.0155**
Mean	6.04	2.16	0.0829	0.0272	0.442	0.459	2.16	2.06	0.0102	0.0101	0.0936	0.0899	1.42	1.55	0.0101	0.00971	4860	4770	0.514	0.372	0.0144	0.0160	0.445	0.346	8.1	7.9	0.0355	0.0390
Median	2.37	1.00	0.0318	0.0266	0.430	0.442	2.08	1.98	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00763	0.00750	4790	4740	0.417	0.360	0.0122	0.0140	0.363	0.317	8.2	4.4	0.0243	0.0350
St. Deviation	9.87	2.71	0.157	0.0104	0.214	0.182	0.40	0.21	0.0035	0.0038	0.239	0.240	0.34	0.92	0.00437	0.00467	540	300	0.311	0.188	0.0077	0.0110	0.239	0.124	4.7	6.1	0.0235	0.0282
# of values	18	18	18	18	18	18	18	18	18	18	18	18	18	17	18	18	18	18	18	17	18	18	18	18	18	18	18	17
Minimum	1.00	1.00	0.0075	0.0075	0.155	0.155	1.73	1.87	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	4050	4210	0.05	0.05	0.005	0.00476	0.245	0.202	3.1	1.325	0.0155	0.0130
Maximum	43	12.5	0.623	0.0414	0.847	0.851	3.51	2.67	0.0125	0.0125	0.75	0.75	2.29	5	0.0185	0.0185	6250	5260	1.28	0.707	0.0312	0.05	1.06	0.743	17.1	20.0	0.0922	0.112
%of values undetected	28%	67%	33%	33%	22%	11%	0%	0%	94%	100%	89%	100%	83%	88%	94%	100%	0%	0%	6%	12%	50%	50%	0%	0%	56%	72%	83%	82%
# of values between MDL and MRL	1	1	6	8	7	8	0	0	1	0	1	0	1	1	1	0	0	0	0	0	6	6	0	0	7	4	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.062	0.061	NA	NA	10.98	10.56276	NA	NA	1.699	1.631	1000	1000	0.252	0.272
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-07D																												
Sample Date																												
09/06/04	404	37.3	**0.0385**	**0.0385**	**0.481**	**0.4**	3.2	2.45	**0.0246**	**0.0075**			**5**	**1.55**	**0.0155**	**0.0155**	4050	3890	0.319	0.252	0.114		0.369		137	37.8	0.219	**0.05**
10/20/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.25**	**0.25**	1.06	1.03	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	4170	4280	**0.05**	**0.158**	**0.0155**	**0.0155**	**0.1**	**0.1**	**3.1**	**3.1**	**0.05**	**0.05**
03/17/05	9.94	0.98	0.0211	0.0219	0.348	0.298	1.12	1.01	**0.00467**	**0.00466**	**0.003835**	**0.003835**	1.32	1.51	**0.003095**	**0.003095**	4260	3990	0.386	0.303	**0.0178**	**0.0104**	0.11	**0.03**	**6.81**	**1.325**	**0.0255**	**0.0261**
05/15/05	14.9	1.63	0.025	0.0268	0.328	0.372	0.849	0.74	**0.00503**	**0.00496**	**0.003835**	**0.003835**	1.82	2.18	**0.003095**	**0.003095**	4550	4790	0.459	**0.19**	**0.0136**		0.121	0.0864	**7.32**	**1.325**	**0.035**	**0.035**
08/21/05	6.76	**1**	0.0258	0.0216	**0.25**	**0.25**	0.605	0.608	**0.0204**	**0.0075**	**0.0084**	**0.00155**	**4.4**	**1.55**	**0.0488**	**0.00775**	3990	4810	0.239	**0.031**	0.036	0.0254	0.224	0.209	**3.1**	**3.1**	**0.05**	**0.0155**
11/12/05	3.86	2.3	**0.00155**		**0.276**	**0.125**	0.44	0.472	**0.0075**	**0.0075**	**0.00155**	0.0116	**1.55**	**1.55**	**0.00775**	**0.00775**	4150	4430	0.228	**0.1**	0.0124	0.0216	0.208	0.215	**3.1**	**3.1**	0.279	**0.05**
03/12/06	7.33	**1.00**	0.0832	**0.0388**	**0.155**	**0.155**	0.723	0.568	**0.0120**	**0.0120**	0.0936	0.0526	**3.02**	**0.75**	**0.0125**	**0.0125**	4220	3600	0.672	0.373	**0.0100**	**0.0064**	0.465	0.178	**10.0**	**3.10**	0.0722	
05/23/06	4.82		**0.0272**		**0.155**	**0.155**	0.630	0.739	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**1.95**	**0.0125**	**0.0125**	3960	4130	0.388	**0.100**	0.0214	0.0212	0.209	0.159	**3.10**	**3.10**	**0.0250**	**0.0130**
08/21/06	6.00	2.22	**0.0252**	**0.0244**	**0.155**	0.647	0.572	0.661	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4290	4470	0.447	0.486	0.0224	**0.0198**	0.339		**3.10**	**3.10**	0.433	0.202
10/30/06	2.86	4.51	**0.0075**	**0.0075**	**0.328**	**0.443**	0.419		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4460	5010	**0.050**	**0.050**	**0.0146**	**0.0156**	0.301	0.349	**10.0**	**10.0**	**0.0500**	**0.0500**
03/18/07	6.49	2.71	**0.0250**	**0.0250**	**0.155**	**0.367**	0.492	0.468	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3760	3820	**0.100**	**0.050**	**0.0100**	**0.0050**	0.290	0.217	**3.10**	**3.10**	**0.0500**	**0.0500**
05/11/07	5.05	**1.00**	**0.0262**	**0.0304**	**0.376**	**0.367**	0.566	0.495	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4050	4160	0.452	0.384	**0.0100**	**0.0100**	0.318	0.287	**10.0**	**10.0**	**0.0500**	**0.0155**
08/23/07	2.90	**1.00**	**0.0244**	**0.0256**	**0.155**	**0.155**	0.536	0.619	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4000	4210	0.260	0.233	**0.0102**	**0.0114**	0.340	0.244	**3.10**	**3.10**	**0.0155**	**0.0500**
11/14/07	2.11	**1.00**	**0.0220**	**0.0280**	**0.155**	**0.155**	0.401	0.421	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3930	4230	**0.100**	**0.050**	**0.0100**	**0.0050**	0.160	0.180	**3.10**	**3.10**	**0.0155**	**0.0500**
03/23/08	3.33	**1.52**	**0.0230**	**0.0231**	**0.155**	**0.316**	0.454	0.451	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3860	3750	0.414	0.374	**0.0050**	**0.0050**	0.520	0.232	**13.5**	**13.3**	**0.0353**	
05/19/08	2.78	**1.00**	**0.0075**	**0.0251**	**0.155**	**0.393**	0.433	0.427	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4120	4080	0.312	0.284	**0.0050**	**0.0050**	0.115	0.115	**12.7**	**3.10**	**0.0155**	**0.0155**
08/25/08	**1.00**	**0.310**	**0.0206**	**0.0075**	**0.326**	**0.155**	0.416	0.407	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3890	3830	0.279	**0.100**	**0.0050**	**0.0050**	0.574	0.197	**15.3**	**13.7**	**0.0155**	**0.0155**
10/16/08	2.03	**0.69**	**0.0075**		**0.395**	**0.353**	0.384	0.403	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4240	4440	0.274	0.271	**0.0050**	**0.0050**	0.159	0.117	**11.1**	**8.48**	**0.0155**	
Mean	27.7	4.27	0.0250	0.0255	0.255	0.298	0.739	0.704	0.0122	0.0105	0.0555	0.0533	1.77	1.39	0.0120	0.0097	4110	4220	0.302	0.211	0.0190	0.0120	0.273	0.182	14.4	7.1	0.0806	0.046
Median	4.94	1.00	0.0247	0.0251	0.250	0.307	0.551	0.568	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4090	4190	0.296	0.212	0.0110	0.0100	0.257	0.189	7.10	3.1	0.0427	0.050
St. Deviation	94.0	8.97	0.0176	0.0094	0.106	0.137	0.652	0.490	0.0047	0.0029	0.180	0.180	1.16	0.31	0.0103	0.0047	210	390	0.163	0.139	0.0250	0.0070	0.144	0.080	30.9	8.6	0.1135	0.046
# of values	18	17	18	15	18	18	18	17	18	18	17	17	18	18	18	18	18	18	18	18	18	16	18	16	18	18	18	15
Minimum	1.00	0.310	0.00155	0.0075	0.155	0.125	0.384	0.403	0.00467	0.00466	0.00155	0.00155	0.75	0.75	0.003095	0.003095	3760	3600	0.05	0.031	0.0050	0.005	0.1	0.03	3.10	1.325	0.0155	0.013
Maximum	404	37.3	0.0832	0.0388	0.481	0.647	3.2	2.45	0.0246	0.0125	0.75	0.75	5	2.18	0.0488	0.0185	4550	5010	0.672	0.486	0.114	0.0254	0.574	0.349	137	37.8	0.433	0.202
%of values undetected	11%	47%	39%	33%	56%	44%	0%	0%	78%	89%	88%	88%	78%	83%	94%	100%	0%	0%	22%	39%	44%	50%	6%	13%	61%	78%	61%	87%
# of values between MDL and MRL	0	2	7	7	6	7	0	0	4	2	1	0	2	1	1	0	0	0	0	2	5	5	0	0	6	3	3	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.061	0.060	NA	NA	10.98	10.56276	NA	NA	1.662	1.596	1000	1000	0.244	0.264
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-06D																												
Sample Date																												
09/07/04	1020	1030	**0.5**	**0.5**			**0.155**	**0.155**	0.318	0.268	338	348	**0.155**	**0.155**	7030	**0.0031**	**0.0031**	1990	2060	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.235**
10/21/04	1080	993	**0.25**	**0.25**	**0.1**	**0.031**	**0.155**	**0.155**	0.463	0.3	381	378	**0.155**	**0.155**	6170	**0.0031**	**0.0031**	2110	2020	**0.0125**	**0.0125**	**0.155**	**0.155**	0.453	0.419	**0.75**	**0.235**
03/20/05	1460	1120	0.7	0.285	**0.100**	**0.0315**	0.286	0.286	0.602	0.613	387	339	0.193	0.116	5300	**0.00326**	**0.001435**	2360	1810	0.105	**0.002125**	**0.14**	**0.0888**	0.37	0.312	**0.607**	1.08
05/12/05	1040	1010	0.16	0.0807	**0.0315**	**0.0315**	0.229	0.256	0.193	0.164	324	329	0.103	0.11	6050	**0.001435**	**0.001435**	1920	1700	**0.002125**	**0.002125**	**0.158**	**0.0302**	0.36	0.303	**0.2345**	**0.50**
08/20/05	1040	1050	0.237	**0.1**	**0.031**	**0.07**	0.196	0.21	0.73	0.69	421	371	**0.17**	**0.0775**	6790	**0.0031**	**0.0031**	2160	2210	**0.0031**	**0.0031**	**0.031**	**0.031**	0.664	0.426	1.53	**0.75**
11/05/05	933	957	**0.1**	**0.1**	**0.031**	**0.031**	0.17	0.088	0.321		351	359	**0.0775**	**0.221**	6760	**0.0031**	**0.0031**	2000	2130	**0.0031**	**0.0031**	**0.031**	**0.031**	0.57	0.576	**0.75**	2.09
03/10/06	1200	1140	0.100	0.0834	**0.000475**	**0.000475**	0.117	0.0844	0.287	0.240	357	341	**0.155**	**0.155**	6270	**0.00310**	**0.00310**	2420	2320	**0.00250**	**0.00250**	**0.0658**	**0.0155**	**0.110**	**0.110**	2.57	2.33
05/23/06	1010	1080	0.0960	0.0932	**0.000475**	**0.000475**	0.165	0.187	**0.181**	**0.188**	357	368	**0.155**	**0.155**	6190	**0.00310**	**0.00310**	2040	2180	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.282**	**0.355**	0.580	
08/20/06	1140	1110	0.144	0.151	**0.000475**	**0.000475**	0.143	0.126	0.387	0.466	405	400	**0.155**	**0.155**	6360	**0.00310**	**0.00310**	2440	2390	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
10/29/06	753	803	0.0692	0.0532	**0.000475**	**0.00250**	0.158	0.134	**0.100**	0.265	316	334	**0.155**	**0.155**	5120	**0.00310**	**0.00310**	1700	1800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.792**	**0.500**	**0.155**
03/17/07	871	910	0.115	0.106	**0.000169**	**0.000475**	0.142	0.151	0.271	0.222	286	330	**0.155**	**0.155**	5130	**0.00310**	**0.00310**	1820	1880	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.413**	**0.371**	2.72	**0.500**
05/14/07	1180	1190	0.218	0.0562	**0.000169**	**0.000475**	0.187	0.203	0.216	0.224	361	360	**0.155**	**0.155**	6370	**0.00310**	**0.00310**	2380	2360	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	7.64	**0.500**
08/21/07	998	928	0.0894	0.0558	**0.000169**	**0.000475**	0.184	0.159	0.245	0.238	363	341	**0.155**	**0.155**	5780	**0.00310**	**0.00310**	2240	2110	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.84	1.60
11/14/07																												
11/15/07	800	956	0.0924	0.0654	**0.000169**	**0.000475**	0.171	0.181	0.213	**0.173**	337	373	**0.155**	**0.155**	6440	**0.00310**	**0.00310**	1840		**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.19	1.77
03/23/08	941	995	0.0765	0.0544	**0.000750**	**0.000750**	0.160	0.167	0.434	0.241	318	323	**0.155**	**0.155**	5780	**0.00310**	**0.00310**	2010	2110	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.648**	**0.826**
05/19/08	976	900	0.0741	**0.0250**	**0.000750**	**0.000750**	0.174	0.180	**0.100**	**0.100**	325	306	**0.155**	**0.155**	5470	**0.00310**	**0.00310**	2060	1870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.35	**0.155**
08/25/08	976	977	0.0850	0.0576	**0.000750**	**0.000750**	0.168	0.167	**0.156**	**0.178**	364	372	**0.155**	**0.155**	6250	**0.00310**	**0.00310**	2200	2220	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
10/18/08	848	909	0.0639		**0.000750**	**0.000750**	0.0921		0.223	0.230	328	343	**0.155**	**0.155**	5840	**0.00310**	**0.00310**	2020	2150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
Mean	1015	1003	0.176	0.125	0.0176	0.0120	0.170	0.170	0.302	0.282	351	351	0.151	0.15	6060	0.00302	0.00292	2100	2080	0.0107	0.00503	0.0695	0.0568	0.274	0.285	1.369	0.858
Median	1004	994	0.100	0.0834	0.00075	0.00075	0.167	0.167	0.258	0.238	354	346	0.155	0.155	6180	0.00310	0.00310	2050	2110	0.00500	0.00500	0.0500	0.0500	0.203	0.203	0.699	0.500
St. Deviation	164	99	0.168	0.119	0.0332	0.0200	0.041	0.051	0.168	0.159	34	23	0.024	0.028	560	0.00040	0.00054	210	200	0.0237	0.00296	0.0467	0.0393	0.164	0.183	1.731	0.709
# of values	18	18	18	17	17	17	18	17	18	17	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18	18	18	16
Minimum	753	803	0.0639	0.0250	0.000169	0.0004745	0.0921	0.0844	0.100	0.100	286	306	0.0775	0.0775	5120	0.001435	0.001435	1700	1700	0.002125	0.002125	0.0155	0.0155	0.110	0.110	0.2345	0.155
Maximum	1460	1190	0.7	0.5	0.1	0.07	0.286	0.286	0.73	0.69	421	400	0.193	0.221	7030	0.00326	0.00310	2440	2390	0.105	0.0125	0.158	0.155	0.664	0.792	7.64	2.33
%of values undetected	0%	0%	17%	29%	100%	94%	11%	12%	11%	6%	0%	0%	83%	83%	0%	94%	100%	0%	0%	94%	100%	83%	94%	61%	56%	44%	63%
# of values between MDL and MRL	0	0	0	0	0	1	0	0	2	3	0	0	1	1	0	1	0	0	0	0	0	3	1	2	3	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	9.66	9.63	NA	NA	5	4.6	NA	0.1316615	0.112	NA	NA	NA	NA	NA	NA	NA	NA	22.13	21.82
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	29%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-07D																												
Sample Date																												
09/06/04	886	913	5.75	6.05	**0.031**		**0.155**	**0.155**	**0.1**		410	417	**0.155**	**0.155**	12400	**0.0031**	**0.0031**	2250	2700	**0.0125**	**0.0125**	**0.155**	**0.155**	1.06	1.15	**0.75**	**0.75**
10/20/04	856	962	**0.5**	**0.5**	**0.1**	**0.1**	**0.155**	**0.155**	**0.1**	**0.1**	392	407	**0.155**	**0.155**	11000	**0.0031**	**0.0031**	2370	2460	**0.0125**	**0.0125**	**0.155**	**0.155**	0.915	0.877	**0.75**	**0.235**
03/17/05	1090	964	1	0.838	**0.0315**	**0.0315**	**0.0866**	0.15	0.143	0.146	399	393	**0.0342**	**0.0302**	8750	**0.001435**	**0.001435**	2510	2320	**0.002125**	**0.002125**	0.27	**0.0302**	1.03	0.97	**0.482**	**0.2345**
05/15/05	989	1080	1.03	0.404	**0.0315**	**0.0315**	0.141	0.159	0.201	**0.0755**	374	381	**0.0362**	**0.046**	11100	**0.001435**	**0.00311**	2290	2370	**0.002125**	**0.00789**	**0.106**	**0.0774**	1.03	0.966	**0.2345**	**0.2345**
08/21/05	948	1070	0.48	0.395	**0.031**	**0.066**	0.144	0.148	0.235	0.243	372	441	**0.0775**	**0.0775**	12000	**0.0031**	**0.0031**	2360	2800	**0.0088**	**0.0031**	**0.031**	**0.031**	0.907		**0.75**	**0.75**
11/12/05	1010	1030	0.234	0.225	**0.031**	**0.031**	0.067		0.173	0.223	403	416	**0.0775**	**0.0775**	11900	**0.0031**	**0.0031**	2500	2570	**0.0031**	**0.0031**	**0.031**	**0.031**	1.21	1.08	**0.75**	**0.75**
03/12/06	1050	965	0.404	0.207	**0.000475**	**0.000475**	0.403	0.0518	**0.135**	**0.0960**	409	347	**0.155**	**0.155**	10000	**0.00310**	**0.00310**	2640	2420	**0.00920**	**0.00250**	0.171	**0.0155**	0.764	0.659	4.31	2.36
05/23/06	939	972	0.493	0.284	**0.000475**	**0.000475**	0.111		**0.114**	**0.117**	391	395	**0.155**	**0.155**	11000	**0.00310**	**0.00310**	2420	2430	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.817	0.941	**0.250**	
08/21/06	969	1020	0.419	0.230	**0.000475**	**0.000955**	0.0918	0.0952	**0.100**	0.250	401	406	**0.155**	**0.155**	11100	**0.00310**	**0.00310**	2450	2580	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.902**	1.05	1.98	2.32
10/30/06	944	961	0.201		**0.000475**	**0.000475**	0.118		0.275	0.392	397	400	**0.155**	**0.155**	10000	**0.00310**	**0.00310**	2270	2350	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.54	2.02	**0.500**	**0.155**
03/18/07	917	936	0.389	0.249	**0.000169**	**0.000475**	0.138	0.146	**0.100**	**0.100**	375	379	**0.155**	**0.155**	10900	**0.00310**	**0.00310**	2370	2400	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.19	1.24	1.61	2.10
05/11/07	987	1020	0.270	0.247	**0.000169**	**0.000475**	0.139	0.138	0.226	0.242	366	367	**0.155**	**0.155**	10500	**0.00310**	**0.00310**	2450	2550	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.01	1.00	**0.500**	**0.500**
08/23/07	861	948	0.198	0.182	**0.000169**	**0.00104**	0.143	0.146	**0.100**	**0.100**	375	405	**0.155**	**0.155**	11100	**0.00310**	**0.00310**	2390	2650	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.585**	**0.515**	1.96	1.82
11/14/07	843	933	0.102	0.0724	**0.000169**	**0.000475**	0.152	0.152	**0.166**	**0.164**	375	409	**0.155**	**0.155**	11600	**0.00310**	**0.00310**	2110	2350	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.10	1.22	**0.500**	**0.500**
03/23/08	886	900	0.131	0.146	**0.000750**	**0.000750**	0.140	0.134	**0.143**	0.232	372	362	**0.155**	**0.155**	10200	**0.00310**	**0.00310**	2290	2330	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.719**	**0.915**	2.32	1.75
05/19/08	978	960	0.231	0.0962	**0.000750**	**0.000750**	**0.00750**		**0.100**	**0.100**	376	375	**0.155**	**0.155**	10200	**0.00310**	**0.00310**	2410	2340	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.965**	**0.947**	**0.155**	**0.155**
08/25/08	893	913	0.113	0.0850	**0.000750**	**0.000750**	0.136	0.119	**0.111**	**0.100**	355	364	**0.155**	**0.155**	10400	**0.00310**	**0.00310**	2250	2270	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.919**	**0.933**	2.33	**0.155**
10/16/08	1060	1110	0.105	0.0564	**0.000750**	**0.000750**	0.115	0.118	**0.183**	**0.166**	372	395	**0.155**	**0.155**	11500	**0.00310**	**0.00310**	2580	2680	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.02	1.02	1.22	**0.500**
Mean	950	981	0.669	0.604	0.0145	0.0158	0.136	0.133	0.150	0.167	384	392	0.133	0.133	10900	0.00292	0.00301	2380	2480	0.00571	0.00535	0.0797	0.0561	0.980	1.03	1.19	0.898
Median	946	963	0.330	0.230	0.00075	0.00075	0.139	0.146	0.139	0.146	376	395	0.155	0.155	11000	0.00310	0.00310	2380	2430	0.00500	0.00500	0.0500	0.0500	0.990	0.970	0.75	0.500
St. Deviation	73	61	1.297	1.42	0.0255	0.0286	0.077	0.030	0.055	0.085	16	24	0.043	0.043	900	0.00054	0.00039	130	160	0.00309	0.00294	0.0661	0.0388	0.210	0.311	1.07	0.818
# of values	18	18	18	17	18	17	18	14	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	18	17	17
Minimum	843	900	0.102	0.0564	0.000169	0.0004745	0.00750	0.0518	0.100	0.0755	355	347	0.0342	0.0302	8750	0.001435	0.001435	2110	2270	0.002125	0.002125	0.0155	0.0155	0.585	0.515	0.155	0.155
Maximum	1090	1110	5.75	6.05	0.1	0.1	0.403	0.159	0.275	0.392	410	441	0.155	0.155	12400	0.00310	0.00311	2640	2800	0.0125	0.0125	0.27	0.155	1.54	2.02	4.31	2.36
%of values undetected	0%	0%	6%	6%	100%	82%	17%	14%	33%	24%	0%	0%	89%	89%	0%	100%	94%	0%	0%	89%	94%	83%	94%	0%	0%	56%	71%
# of values between MDL and MRL	0	0	0	0	0	3	1	0	6	6	0	0	2	2	0	0	1	0	0	2	1	1	1	5	4	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	9.46	9.43	NA	NA	5	4.6	NA	0.1260613	0.107	NA	NA	NA	NA	NA	NA	NA	NA	21.66	21.36
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	33%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-07S																									
	Sample Date																								
	09/24/04	6.39	2.38	44	271	2.38	13.8	40	63.8	3.89	**1.57**	18	**0.61**			**0.06**		1.05	**0.072**	4.6	**0.003**	**0.00125**	**0.28**		**0.0155**
	10/20/04	6.66	3.11	38	272	3.11	11.7	36	40.0	**0.400**	**6.80**	16	**0.86**			**0.05**		0.778	**0.0155**	0.853	**0.00125**	**0.00125**	**0.21**		**0.0155**
	03/17/05	6.43	3.12	34		3.12	14.5	38	36.3	**0.200**	6.00	18	**0.06**			0.15		0.717	**0.047**	0.847	**0.00125**	**0.00125**	**0.14**		**0.05**
	05/15/05	5.73	3.42	27	164	3.42	9.25	28.5	53.8	**0.300**	7.00	10.5	0.11			0.0785		0.575	**0.0155**	0.622	**0.00125**	**0.00125**	**0.14**		**0.0155**
	08/21/05	6.14	4.51	35	28	4.51	13.1	33.5	32.5	**0.075**	**3.50**	15.5	**0.09**			0.050		0.633	**0.0155**	0.728	**0.00125**	**0.00125**	**0.20**		**0.0155**
	11/12/05	5.76	3.66	32	234	3.66	10.6	31	35.0	**0.075**	7.00	13.5	**0.05**			0.040		0.64	**0.0155**	0.677	**0.00125**	**0.00125**	**0.092**		**0.0155**
	03/12/06	6.74	2.97	41	316.0	2.97	13.6	39.0	25.0	**0.300**	7.25	22.0	**0.0665**			0.0530		0.680	**0.0155**	0.788	**0.00125**	**0.00125**	**0.155**		**0.0500**
	08/21/06	6.12	3.23	32	173.4	3.23	12.2	34.0	42.5	**0.250**	**5.50**	15.0	0.102	**0.0155**	**0.0785**	0.0520		0.651	**0.0670**	0.696	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/30/06	6.49	3.90	26	299.9	3.90	9.31	25.0	36.3	**0.075**	**9.00**	12.0	**0.0680**	**0.0155**	**0.0660**	0.0420		0.537	**0.0155**	0.520	**0.00075**	**0.00075**	**0.155**		**0.0500**
	08/23/07	6.15	3.08	22	142.2	3.08	14.8	40.0	42.5	**0.150**	**4.50**	17.9	**0.0805**			0.0631		0.644	0.424	19.0	**0.00075**	**0.00075**	**0.155**		**0.0155**
	11/12/07	6.34	2.78	32	205.1	2.78																			
	11/14/07						12.6	36.0	42.5	**0.076**	**7.00**	16.4	0.115			0.0618		0.576	**0.0350**	0.625	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/25/08	6.22	3.05	38	182.2	3.05	13.0	42.3	50.0	**0.308**	**5.04**	20.1	0.110			0.0660		0.586	**0.046**	0.637	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/16/08	5.70	2.90	27	156.7	2.90	8.86	28.3	**8.75**	**0.212**	**5.06**	12.0	0.119			0.0271		0.474	**0.037**	0.482	**0.00075**	**0.00075**	**0.155**	**0.229**	**0.0155**
	Mean	6.22	3.24	33	204	3	12.1	34.7	39.2	0.485	5.79	15.9	0.19	0.0155	0.0720	0.0610	NA	0.66	0.063	2.39	0.00115	0.00102	0.165	0.240	0.0261
	Median	6.22	3.11	32	194	3.11	12.6	36.0	40.0	0.212	6.00	16.0	0.102	0.0155	0.0720	0.0530	NA	0.64	0.035	0.696	0.00125	0.00125	0.155	0.240	0.0155
	St. Deviation	0.34	0.54	6	81	1	2	5.3	13.5	1.029	1.91	3.3	0.25	0	0.0090	0.0297	NA	0.14	0.110	5.108	0.00061	0.00026	0.044	0.010	0.0166
	# of values	13	13	13	12	13	13	13	13	13	13	13	13	2	2	13	0	13	13	13	13	13	13	2	13
	Minimum	5.70	2.38	22	28	2.38	8.86	25.0	8.75	0.075	1.57	10.5	0.05	0.0155	0.0660	0.0271	NA	0.474	0.0155	0.482	0.00075	0.00075	0.092	0.229	0.0155
	Maximum	6.74	4.51	44	316	4.51	14.8	42.3	63.8	3.89	9.00	22.0	0.86	0.0155	0.0785	0.15	NA	1.05	0.424	19.0	0.003	0.00125	0.28	0.250	0.0500
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	46%	8%	0%	8%	100%	0%	0%		0%	46%	0%	92%	100%	54%	50%	100%
	# of values between MDL and MRL	0	0	0	0	0	0	0	1	6	8	0	7	0	2	2		0	6	0	1	0	6	1	0
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.45
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	85%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
MW-08D																									
	Sample Date																								
	09/06/04	7.95	3.47	117	188	3.47	37.9	100	78.8	0.722	**1.57**	52	**0.155**			**0.0155**		0.722	**0.05**	1.81	**0.00125**	**0.00125**	**0.065**		**0.0155**
	10/19/04	8.19	3.19	107	238	3.19	40.8	120	67.5	**0.075**	**1.57**	51	2.43			**0.07**		0.689	**0.0155**	1.95	**0.0028**	**0.00125**	**0.060**		**0.0155**
	03/15/05	7.86	2.90	83		2.90	43.1	100	85.0	**0.150**	**0.785**	49	**0.06**			0.133		0.696	**0.047**	1.9	**0.0025**	0.006	**0.18**		**0.0155**
	05/12/05	7.64	3.15	102	179.4	3.15	48.3	100	81.3	**0.075**	**4.13**	50.5	**0.09**			**0.0011**		0.663	**0.042**	1.83	**0.00125**	**0.00125**	**0.18**		**0.0155**
	08/20/05	7.58	4.05	81	73	4.05	44.7	100	63.8	**0.075**	**0.785**	51	**0.048**			0.033		0.621	**0.036**	1.74	**0.00125**	**0.00125**	**0.17**		**0.0155**
	11/06/05	7.71	2.71	99	257	2.71	43.9	95	58.8	**0.075**	**0.785**	53	**0.0785**			0.035		0.621	**0.04**	1.83	**0.00125**	**0.00125**	**0.12**		**0.0155**
	03/10/06	7.00	2.99	95	257	2.99	44.5	80.0	25.0	**0.075**	**0.785**	52.0	**0.0725**			0.0260		0.631	**0.0155**	1.83	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/20/06	6.56	3.01	93	192.9	3.01	45.4	100	70.0	**0.075**	**0.785**	50.0	0.119			0.0280		0.628	**0.0550**	1.69	**0.00125**	**0.00125**	**0.155**		**0.0330**
	08/20/06	6.86	3.51	92	164.5	3.51	45.9	80.0	86.3	**0.075**	**1.57**	53.0	0.107	**0.0155**	0.107	0.0390		0.637	**0.0650**	1.75	**0.00250**	**0.00250**	**0.155**		**0.0155**
	10/25/06	7.17	2.98	94	188.7	2.98	42.1	80.0	68.8	**0.075**	**1.57**	53.0	0.129	**0.0155**	0.129	0.0470	**0.05**	0.636	**0.0790**	1.74	**0.00075**	**0.00075**	**0.155**		**0.0500**
	03/17/07	7.82	2.40	54	145.6	2.40	46.1	90.0	56.3	**0.200**	**1.57**	54.0	**0.0805**	**0.0155**	**0.0645**	0.0390		0.633	**0.0155**	0.686	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/14/07	7.56	3.17	56	109.9	3.17	45.3	90.0	67.5	**0.075**	**1.57**	50.0	**0.050**			0.0279		0.692	**0.0520**	1.64	**0.00075**	**0.00075**	**0.155**		**0.0388**
	08/21/07	7.19	3.45	56	101.4	3.45	44.4	100	62.5	**0.075**	**1.57**	50.3	**0.0780**			0.0236		0.536	**0.0360**	1.41	**0.00075**	**0.00075**	**0.155**		**0.0768**
	11/15/07	6.92	2.64	91	198.1	2.64	44.9	100	78.8	**0.075**	**1.57**	51.5	**0.0320**			0.0340		0.578	**0.0420**	1.58	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/23/08	6.53	3.09	94	66.1	3.09																			
	03/24/08						42.2	110	71.3	0.909	**1.57**	52.8	0.111			0.0311		0.564	**0.0530**	1.44	**0.00075**	**0.00075**	**0.155**		**0.0399**
	05/20/08	7.21	2.98	100	116.4	2.98	41.7	99.2	65.0	**0.075**	**1.57**	70.3	0.147			0.0170		0.579	**0.0410**	1.63	**0.00250**	**0.00250**	**0.155**	**0.075**	**0.0155**
	08/26/08	7.70	3.60	97	230.3	3.60	43.2	101	88.8	**0.319**	**1.57**	52.3	**0.0100**			0.0283		0.647	**0.0820**	1.64	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/18/08	7.63	3.05	99	90.8	3.05	42.8	106	58.8	**0.0765**	**1.57**	52.3	0.128			0.0229		0.600	**0.0700**	1.39	**0.00075**	**0.00075**	**0.155**	0.749	**0.0155**
	Mean	7.39	3.13	89	164.5	3	43.7	97	68.6	0.182	1.49	52.7	0.2181	0.0155	0.100	0.0362	0.0500	0.632	0.0465	1.64	0.00132	0.00143	0.146	0.358	0.0283
	Median	7.57	3.07	94	179.4	3	44.2	100	68.2	0.075	1.57	52.0	0.0853	0.0155	0.107	0.0297	0.0500	0.632	0.0445	1.72	0.00125	0.00125	0.155	0.250	0.0155
	St. Deviation	0.48	0.39	18	62.9	0	2.3	10	14.7	0.241	0.75	4.6	0.5534	0	0.033	0.0280	NA	0.049	0.0197	0.29	0.00073	0.00126	0.033	0.350	0.0185
	# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	1	18	18	18	18	18	18	3	18
	Minimum	6.53	2.40	54	66.1	2.40	37.9	80	25.0	0.075	0.785	49	0.0100	0.0155	0.0645	0.0011	0.0500	0.536	0.0155	0.686	0.00075	0.00075	0.060	0.075	0.0155
	Maximum	8.19	4.05	117	257	4.05	48.3	120	88.8	0.909	4.13	70.3	2.43	0.0155	0.129	0.133	0.0500	0.722	0.0820	1.95	0.0028	0.006	0.18	0.749	0.0768
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	78%	94%	0%	17%	100%	0%	11%	100%	0%	17%	0%	94%	94%	72%	67%	78%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	2	1	0	8	0	1	1	0	0	15	0	1	0	5	0	4
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	2.48
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-07S																												
Sample Date																												
09/24/04	130	**12.5**	**0.0385**	**0.0385**	**0.282**	**0.261**	2.04	0.847	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**3.1**	**0.0155**	**0.0155**	4110	3920	3.19	0.713	**0.0709**		0.429	**0.113**	92.4	**8.34**	**0.05**	**0.05**
10/20/04	51.4	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	1.29	0.861	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	3400	3380	1.21	**0.05**	**0.05**	**0.0155**	**0.1**	**0.1**	30.9	**3.1**	**0.05**	**0.05**
03/17/05	493	1.49	0.0573	0.0373	0.317	0.217	4.9	0.894	**0.00953**	**0.001495**	**0.003835**	**0.003835**	7.02	1.58	**0.00925**	**0.003095**	4060	3090	5.91	0.945	0.187	0.039	0.876	0.157	326	**6.56**	0.372	**0.0335**
05/15/05	39.7	2.26	0.0309	0.0312	0.207	0.207	1.43	1.06	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.82		**0.00792**	**0.00774**	2710	2890	3.5	0.683	0.049	**0.0224**	0.213	0.139	41.8	**5.85**	**0.035**	**0.035**
08/21/05	26	**1**	0.0192	0.0196	**0.125**	**0.25**	1.1	0.93	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5**	**0.00775**	**0.00775**	3740	3430	3.65	0.671	0.055	0.0314	0.687	0.376	38.1	**3.1**	**0.092**	**0.0416**
11/12/05	5.48	2.42	**0.005**	0.014	**0.125**	**0.125**	1.09	1.26	**0.0075**	**0.0075**	0.01	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	3140	3420	2.05	0.45	0.0318	0.0334	0.591	0.597	**7.7**	**13.2**	**0.05**	
03/12/06	7.72	**1.00**	**0.0482**	0.0568	**0.155**	**0.155**	1.05	0.904	**0.0120**	**0.0120**	0.0626	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	3810	3840	2.88	1.60	0.0300	0.0240	0.275	0.212	23.1	**10.0**	2.42	**0.0250**
08/21/06	3.83	**1.00**	**0.0266**	**0.0202**	**0.155**	0.535	0.778		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	3530	3680	3.35	0.912	0.0374	0.0308	0.722	0.313	**3.10**	**3.10**	**0.0500**	
10/30/06	**1.00**	**1.00**	**0.0075**	**0.0075**	**0.440**	**0.355**	1.07	1.07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2820	2810	2.18	**0.050**	0.0266	0.0242	0.275	0.290	**10.0**	**10.0**	**0.0155**	**0.0155**
08/23/07	7.91	**1.00**	**0.0212**	**0.0220**	**0.155**	**0.155**	0.996	0.927	**0.0125**	**0.0125**	**0.0075**	**0.0230**	**1.25**	**1.25**	**0.0075**	**0.0075**	4310	4450	4.00	0.908	0.0338	0.0286	0.264	0.204	23.7	**10.0**	**0.0500**	**0.0155**
11/12/07																												
11/14/07	**1.00**	**1.00**	**0.0204**	**0.0204**	**0.155**	**0.155**	0.918	0.892	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3720	3750	2.46	0.759	0.0226	0.0250	0.172	0.115	**12.7**	**9.60**	**0.0155**	**0.0155**
08/25/08	2.94	**0.310**	**0.0184**	**0.0075**	**0.155**	**0.155**	0.783	0.790	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	3770	3890	2.53	0.704	0.0231	**0.0153**	0.145	0.168	24.7	**18.1**	**0.0155**	**0.0155**
10/16/08	2.86	**1.12**	**0.0075**	**0.0075**	**0.155**	**0.155**	0.790	0.834	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2570	2570	1.29	0.419	**0.0164**	**0.0136**	0.159	0.139	**11.2**	**7.37**	**0.0155**	**0.0155**
Mean	59.5	2.97	0.0261	0.0247	0.196	0.219	1.40	0.939	0.0098	0.0092	0.1251	0.1231	1.79	1.75	0.01101	0.01053	3510	3470	2.94	0.682	0.0487	0.0253	0.378	0.225	49.6	8.33	0.249	0.0284
Median	7.72	1.00	0.0212	0.0204	0.155	0.155	1.07	0.899	0.0120	0.0120	0.0075	0.0075	1.25	1.25	0.00792	0.00775	3720	3430	2.88	0.704	0.0338	0.0246	0.275	0.168	23.7	8.34	0.050	0.0250
St. Deviation	135	4.27	0.0161	0.0150	0.094	0.115	1.10	0.131	0.0034	0.0041	0.278	0.278	1.59	1.17	0.00445	0.00496	560	530	1.24	0.403	0.0443	0.0078	0.257	0.140	86.2	4.30	0.659	0.0142
# of values	13	13	13	13	13	13	13	12	13	13	13	13	13	12	13	13	13	13	13	13	13	12	13	13	13	13	13	11
Minimum	1.00	0.310	0.005	0.0075	0.125	0.125	0.778	0.790	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.0075	0.003095	2570	2570	1.21	0.05	0.0164	0.0136	0.1	0.1	3.10	3.1	0.0155	0.0155
Maximum	493	12.5	0.0573	0.0568	0.440	0.535	4.9	1.26	0.0125	0.0125	0.75	0.75	7.02	5	0.0185	0.0185	4310	4450	5.91	1.6	0.187	0.039	0.876	0.597	326	18.1	2.42	0.05
%of values undetected	15%	69%	38%	38%	69%	62%	0%	0%	92%	100%	85%	92%	85%	83%	85%	92%	0%	0%	0%	15%	8%	8%	8%	8%	15%	46%	77%	82%
# of values between MDL and MRL	0	1	5	3	2	2	0	0	1	0	0	1	0	1	2	1	0	0	0	0	2	3	0	1	3	7	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.046	0.046	NA	NA	10.98	10.56276	NA	NA	1.203	1.154	1000	1000	0.150	0.171
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-08D																												
Sample Date																												
09/06/04	**12.5**	**12.5**	**0.0812**	**0.116**	1.2	1.21	2.85	2.77	**0.0075**	**0.0075**			**5**	**1.55**	**0.0155**	**0.0155**	11200	11500	0.696	0.631	**0.05**		0.503	0.448	105	81.3	**0.05**	**0.05**
10/19/04	**12.5**	**12.5**	**0.0895**	**0.0797**	1.07	1.23	2.53	2.54	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	12300	13600	0.357	0.379	**0.05**	**0.05**	0.295	**0.1**	**10**	**3.1**	**0.05**	**0.05**
03/15/05	2.26	1.63	0.0423	0.0379	1.24	1.35	2.67	2.59	**0.001495**	**0.001495**	**0.003835**	**0.003835**	2.34	2.67	**0.003095**	**0.003095**	13000	13200	1.28	0.564	0.0316	**0.0229**	0.246	0.0627	**4.95**	**1.325**	**0.011**	**0.0353**
05/12/05	1.9		0.0551	0.062	1.39	1.38	2.37	2.72	**0.001495**	**0.001495**	**0.003835**	**0.003835**	2.7	3.22	**0.003095**	**0.003095**	14700	12200	1.12	0.353	**0.0264**	**0.0186**	0.155	0.114	**3.95**	**2.67**	**0.011**	**0.035**
08/20/05	3.25	3.94	0.0442	0.0448	1.29	1.37	9.25	2.41	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	10.2	**0.00775**	**0.00775**	13500	12900	1.39	0.671	0.0524	0.0518	0.522	0.343	**12.9**	**3.1**	**0.0155**	
11/06/05	2.75	2.46	0.0246	0.0186	1.12	1.35	2.31	2.38	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	13200	13000	1.19	0.684	0.0358	0.043	0.243	0.248	**3.1**	**3.1**	**0.0155**	
03/10/06	2.35	**1.00**	0.0636	0.0500	1.16	1.11	2.73	2.51	**0.0120**	**0.0120**	0.0528	**0.0250**	**2.55**	**2.50**	**0.0125**	**0.0125**	12900	11900	1.14		0.0246	**0.0188**	0.797	0.183	**10.0**	**10.0**	**0.0130**	
05/20/06	25.1	2.73	0.0510	**0.0486**	1.06	0.673	3.61	2.50	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	13300	13500	1.11	1.08	0.0514	0.0364	0.250	0.227	42.1	**11.9**	**0.0482**	
08/20/06	2.26	2.02	**0.0420**	**0.0436**	1.26	1.33	2.70	2.59	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	13700	12900	1.14	0.779	0.0382	0.0394	0.243	0.194	**3.10**	**3.10**	0.363	
10/25/06	**1.00**	**1.00**	**0.0250**	**0.0250**	0.947	0.884	2.39	2.58	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.84**	**1.25**	**0.0185**	**0.0185**	12400	13000	1.34	0.906	0.0256	0.0240	0.170	0.124	**10.0**	**10.0**	**0.0155**	**0.0155**
03/17/07	**2.00**	**1.00**	**0.0250**	**0.0250**	1.17	1.16	2.15	2.11	**0.0250**	**0.0125**	**0.0075**	**0.0075**	**2.50**	**1.25**	**0.0075**	**0.0075**	13600	11400	0.904	0.562	0.0276	0.0258	0.304	0.166	**10.0**	**3.10**	**0.0500**	**0.0155**
05/14/07	2.16	**1.00**	**0.0472**	**0.0470**	1.06	0.957	2.53	2.55	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13300	13200	0.977	0.623	0.0224	0.0242	0.210	0.273	33.1	32.6	**0.0155**	**0.0155**
08/21/07	2.81	**1.00**	**0.0398**	**0.0414**	1.07	1.21	2.31	2.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.74**	**0.0075**	**0.0075**	13400	14000	0.850	0.589	0.0208	0.0228	0.186	0.161	**10.0**	**10.0**	**0.0500**	**0.0155**
11/15/07	2.36	**1.00**	**0.0388**	**0.0406**	1.13	1.24	2.49	2.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13400	13500	0.675	0.473	0.0220	0.0262	0.167	0.169	25.1	24.8	**0.0500**	**0.0155**
03/23/08																												
03/24/08	4.15	**1.74**	**0.0408**	**0.0372**	1.20	1.08	2.45	2.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12500	12200	0.890	0.490	0.0297	0.0234	0.166	0.134	47.2	42.0	**0.0155**	**0.0155**
05/20/08	**1.00**	**1.00**	**0.0345**	**0.0326**	1.22	1.25	2.34	2.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12500	12300	0.666	0.572	**0.0158**	0.0240	**0.050**	0.121	38.1	53.3	**0.0155**	**0.0155**
08/26/08	95.9	2.45	**0.0384**	**0.0348**	1.07	1.13	2.4	2.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.53**	**1.25**	**0.0075**	**0.0075**	13000	12500	0.875	0.407	**0.0197**	0.0203	0.430	0.157	47.5	46.4	**0.0155**	**0.0155**
10/18/08	**1.86**	**1.55**	**0.0250**	**0.0250**	1.16	1.06	2.32	2.10	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	12800	11900	0.762	0.412	0.0220	**0.0186**	0.138	0.122	36.9	29.5	**0.0155**	**0.0155**
Mean	9.90	2.97	0.0449	0.0450	1.16	1.17	2.91	2.46	0.0108	0.0101	0.0527	0.0511	1.92	2.11	0.0097	0.0097	13000	12700	0.965	0.599	0.0314	0.0288	0.282	0.186	25.2	21	0.0456	0.0238
Median	2.36	1.63	0.0414	0.0410	1.16	1.21	2.47	2.48	0.0125	0.0125	0.0075	0.0075	1.55	1.25	0.0075	0.0075	13100	12900	0.941	0.572	0.0270	0.0240	0.243	0.164	11.5	10	0.0155	0.0155
St. Deviation	22.3	3.68	0.0182	0.0229	0.10	0.19	1.61	0.18	0.0051	0.0038	0.180	0.180	1.00	2.13	0.0047	0.0047	700	800	0.273	0.191	0.0121	0.0109	0.179	0.094	25.6	23	0.0810	0.0137
# of values	18	17	18	18	18	18	18	18	18	18	17	17	18	18	18	18	18	18	18	17	18	17	18	18	18	18	18	13
Minimum	1.00	1.00	0.0246	0.0186	0.947	0.673	2.15	2.1	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	11200	11400	0.357	0.353	0.0158	0.0186	0.050	0.0627	3.10	1.325	0.011	0.0155
Maximum	95.9	12.5	0.0895	0.116	1.39	1.38	9.25	2.77	0.025	0.0125	0.75	0.75	5	10.2	0.0185	0.0185	14700	14000	1.39	1.08	0.0524	0.0518	0.797	0.448	105	81.3	0.363	0.05
%of values undetected	28%	53%	17%	17%	0%	0%	0%	0%	100%	100%	94%	100%	72%	78%	100%	100%	0%	0%	0%	0%	11%	6%	6%	6%	39%	50%	89%	92%
# of values between MDL and MRL	1	2	9	10	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	3	4	0	0	3	2	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.138	0.131	NA	NA	10.98	10.56276	NA	NA	4.297	4.125	1000	1000	1.003	0.926
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-07S																													
Sample Date																													
09/24/04		866	833	3.02	1.69	**0.031**		**0.155**	**0.155**	1.59	1.45	382	352	**0.155**	**0.155**	11600	**0.0031**	**0.0031**	2310	2310	**0.0125**	**0.0125**	**0.155**	**0.155**	1.37	1.08	**0.541**	**0.694**
10/20/04		769	706	1.2	**0.25**	**0.1**	**0.1**	**0.155**	**0.155**	0.572	0.558	345	335	**0.155**	**0.155**	9380	**0.0031**	**0.0031**	2220	2130	**0.0125**	**0.0125**	**0.155**	**0.155**	1.01	1.11	**0.235**	**0.235**
03/17/05		1070	881	7.74	0.405	**0.0315**	**0.0315**	0.204	0.21	2.73	1.24	427	369	**0.0349**	**0.0143**	8920	**0.00867**	**0.001435**	2380	2170	**0.002125**	**0.002125**	0.309	**0.1**	1.94	1.12	1.65	**0.569**
05/15/05		602	560	1.5	0.579	**0.0315**	**0.0315**	0.194	0.192	1.94	1.31	267	258	**0.0318**	**0.0143**	8220	**0.001435**	**0.001435**	1700	1560	**0.002125**	**0.002125**	**0.1**	**0.0302**	0.837	0.747	**0.50**	**0.50**
08/21/05		915	829	1.06	0.466	**0.031**	**0.09**	0.223	0.193	1.94	1.32	354	321	**0.214**	**0.294**	10700	**0.0031**	**0.0031**	2550	2310	**0.0031**	**0.0031**	**0.031**	**0.031**	1.03	0.91	**0.75**	**0.75**
11/12/05		675	738	0.51	0.422	**0.031**	**0.031**	0.0836		1.04	0.937	298	319	**0.0775**	**0.0775**	10400	**0.0031**	**0.0031**	2120	2310	**0.0031**	**0.0031**	**0.031**	**0.1**	0.63		**0.75**	
03/12/06		982	993	0.591	0.375	**0.000475**	**0.000475**	0.165	0.123	1.54	1.39	349	368	**0.155**	**0.155**	11000	**0.00310**	**0.00310**	2560	2570	**0.00500**	**0.00250**	**0.0488**	**0.0155**	0.979	0.663	2.52	2.37
08/21/06		831	875	0.486	0.374	**0.000475**	**0.000475**	0.209	0.243	1.56	1.14	355	367	**0.155**	**0.155**	10100	**0.00310**	**0.0100**	2380	2540	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.24	1.20	1.15	1.99
10/30/06		549	532	0.330	0.304	**0.000475**	**0.000475**	0.0918	0.0954	1.28	1.05	260	263	**0.155**	**0.155**	6480	**0.00310**	**0.00310**	1710	1740	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.38	1.45	**0.155**	**0.500**
08/23/07		969	1030	0.621	0.476	**0.000169**	**0.000475**	0.307	0.304	2.16	1.54	383	407	**0.155**	**0.155**	12300	**0.00310**	**0.00310**	2720	2990	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.774**	**0.768**	1.42	1.92
11/12/07																													
11/14/07		806	827	0.295	0.322	**0.000169**	**0.000475**	0.183	0.202	1.22	1.25	349	354	**0.155**	**0.155**	10400	**0.00310**	**0.00310**	2190	2240	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.997**	**0.931**	**0.500**	**0.500**
08/25/08		879	946	0.352	0.290	**0.000750**	**0.000750**	0.226	0.225	1.35	1.06	330	358	**0.155**	**0.155**	10700	**0.00310**	**0.00310**	2300	2460	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.979**	**0.986**	**0.500**	**0.155**
10/16/08		591	579	0.212	0.180	**0.000750**	**0.000750**	0.0876	0.0828	0.72	0.642	241	245	**0.155**	**0.155**	6780	**0.00310**	**0.00310**	1950	1900	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.606**	**0.583**	**0.500**	**0.500**
Mean		808	795	1.38	0.472	0.0199	0.0240	0.176	0.182	1.51	1.15	334	332	0.135	0.138	9800	0.00340	0.00337	2240	2250	0.00542	0.00523	0.0869	0.0682	1.06	0.962	0.859	0.890
Median		831	829	0.591	0.375	0.00075	0.00075	0.183	0.193	1.54	1.24	349	352	0.155	0.155	10400	0.00310	0.00310	2300	2310	0.00500	0.00500	0.0500	0.0500	0.997	0.959	0.541	0.535
St. Deviation		164	162	2.06	0.381	0.0284	0.0359	0.064	0.063	0.59	0.29	54	49	0.053	0.071	1800	0.00165	0.00209	310	370	0.00334	0.00344	0.0789	0.0454	0.359	0.248	0.665	0.751
# of values		13	13	13	13	13	12	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	13	12
Minimum		549	532	0.212	0.18	0.000169	0.0004745	0.0836	0.0828	0.572	0.558	241	245	0.0318	0.0143	6480	0.001435	0.001435	1700	1560	0.002125	0.002125	0.031	0.0155	0.606	0.583	0.155	0.155
Maximum		1070	1030	7.74	1.69	0.1	0.1	0.307	0.304	2.73	1.54	427	407	0.214	0.294	12300	0.00867	0.0100	2720	2990	0.0125	0.0125	0.309	0.155	1.94	1.45	2.52	2.37
%of values undetected		0%	0%	0%	8%	100%	92%	15%	17%	0%	0%	0%	0%	77%	92%	0%	92%	92%	0%	0%	92%	100%	85%	100%	0%	0%	62%	58%
# of values between MDL and MRL		0	0	0	0	0	1	0	0	0	0	0	0	3	1	0	1	1	0	0	1	0	1	0	4	4	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	6.86	6.84	NA	NA	5	4.6	NA	0.0656838	0.056	NA	NA	NA	NA	NA	NA	NA	NA	15.71	15.49
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	46%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-08D																													
Sample Date																													
09/06/04		2410	2310	1.14	1.47	**0.031**		**0.498**	**0.531**	0.563	0.671	354	322	**0.155**	**0.155**	9670	**0.0031**	**0.0031**	3070	2910	**0.0125**	**0.0125**	**0.155**	**0.155**	1.42	1.11	2	**0.75**
10/19/04		2440	2560	**0.5**	**0.25**	**0.031**	**0.031**	**0.657**	**0.709**	0.411	0.349	351	363	**0.155**	**0.155**	8410	**0.0031**	**0.0031**	3120	3230	**0.0125**	**0.0125**	**0.155**	**0.155**	1.07	1.14	**0.75**	**0.75**
03/15/05		2590	2560	0.372	0.338	**0.0315**	**0.0315**	0.299	0.341	0.512	0.426	336	333	**0.0548**	**0.0507**	6870	**0.001435**	**0.001435**	3300	3120	**0.002125**	**0.002125**	0.296	**0.1**	1.25	1.18	**0.2345**	**0.2345**
05/12/05		2820	2520	0.502	0.58	**0.0315**	**0.0315**	0.478	0.496	0.422		343	346	**0.0482**	**0.0579**	8160	**0.001435**	**0.001435**	3580	3070	**0.002125**	**0.002125**	**0.0302**	**0.0302**	1.17	1.22	**0.2345**	**0.2345**
08/20/05		2670	2660	0.412	0.351	**0.031**	**0.031**	0.274	0.279	1.09	1.29	368	398	**0.227**	**0.0775**	9380	0.073	**0.0031**	3380	3510	**0.0031**	**0.0031**	**0.031**	**0.031**	1.3	1.27	**0.75**	**0.75**
11/06/05		2660	2640	0.644	0.593	**0.031**	**0.031**	0.34	0.293	0.873		351	343	**0.0775**	**0.0775**	9920	**0.0031**	**0.0086**	3290	3320	**0.0031**	**0.0031**	**0.031**	**0.031**	1.06	1.18	**0.75**	**0.75**
03/10/06		3000	2950	0.151	0.132	**0.000475**	**0.000475**	0.346	0.247	0.585	0.501	353	334	**0.155**	**0.155**	8570	**0.00310**	**0.00310**	3630	3660	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.640	0.660	2.36	2.38
05/20/06		2950	2740	0.441	0.171	**0.000475**	**0.000475**	0.244	0.185	0.616	0.744	399	379	**0.155**	**0.155**	7850	**0.00310**	**0.00310**	3730	3530	**0.00250**	0.0102	**0.0155**	**0.0155**	1.41	1.00	0.864	1.36
08/20/06		2800	2720	0.412	0.403	**0.000475**	**0.000475**	0.370	0.356	0.638	0.636	359	341	**0.155**	**0.155**	8370	**0.00310**	**0.00310**	3480	3380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.12	1.10	1.61	1.09
10/25/06		2690	2870	0.278	0.262	**0.000475**	**0.000475**	0.285	0.284	0.571	0.527	334	340	**0.155**	**0.155**	8760	**0.00310**		3360	3650	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.984**	**0.744**	**0.155**	**0.155**
03/17/07		2910	2290	0.138	0.0986	**0.000169**	**0.000475**	0.316	0.325	0.628	0.606	369	284	**0.155**	**0.155**	7130	**0.00310**	**0.00310**	3660	2870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.29	1.37	1.68	**0.500**
05/14/07		2950	2890	0.115	0.134	**0.000169**	**0.000475**	0.322	0.302	0.567	0.598	359	348	**0.155**	**0.155**	8890	**0.00310**	**0.00310**	3680	3590	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.814**	**0.829**	1.12	**0.500**
08/21/07		2670	2700	0.146	0.0868	**0.000169**	**0.000475**	0.275	0.314	0.458	0.520	329	347	**0.155**	**0.155**	8930	**0.00310**	**0.00310**	3240	3570	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.12	1.05	2.84	1.95
11/15/07		2750	2730	0.0984	0.0624	**0.000169**	**0.000475**	0.479	0.419	0.683	0.700	338	339	**0.155**	**0.155**	8840	**0.00310**	**0.00310**	3420	3490	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.05	1.13	**0.500**	**0.500**
03/23/08																													
03/24/08		2650	2600	0.252	0.0986	**0.000750**	**0.000750**	0.328	0.281	0.607	0.517	333	323	**0.155**	**0.155**	8250	**0.00310**	**0.00310**	3410	3320	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.11	1.11	**0.414**	**0.588**
05/20/08		2560	2510	0.0764	0.0651	**0.000750**	**0.000750**	0.447	0.441	0.399	0.464	328	325	**0.155**	**0.155**	8410	**0.00310**	**0.00310**	3190	3080	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.11	1.23	**0.500**	**0.155**
08/26/08		2640	2570	0.184	0.0910	**0.000750**	**0.000750**	0.325	0.300	0.466	0.387	333	324	**0.155**	**0.155**	8250	**0.00310**	**0.00310**	3350	3240	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.08	1.11	**0.500**	**0.155**
10/18/08		2640	2510	0.0849	0.0739	**0.000750**	**0.000750**	0.283	0.253	0.757	0.660	334	310	**0.155**	**0.155**	7910	**0.00310**	**0.00310**	3360	3210	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.13	1.09	**0.500**	**0.500**
Mean		2710	2630	0.33	0.292	0.0107	0.00958	0.365	0.353	0.603	0.600	348	339	0.143	0.135	8480	0.00680	0.00323	3400	3320	0.00503	0.00545	0.0683	0.0574	1.12	1.08	0.987	0.739
Median		2670	2620	0.265	0.153	0.00075	0.00075	0.327	0.308	0.578	0.563	347	340	0.155	0.155	8410	0.00310	0.00310	3370	3320	0.00500	0.00500	0.0500	0.0500	1.12	1.11	0.750	0.544
St. Deviation		170	180	0.265	0.339	0.0149	0.0144	0.106	0.125	0.172	0.216	18	25	0.042	0.039	780	0.0165	0.00149	190	250	0.00296	0.00312	0.0686	0.0399	0.19	0.18	0.787	0.616
# of values		18	18	18	18	18	17	18	18	18	16	18	18	18	18	18	18	17	18	18	18	18	18	18	18	18	18	18
Minimum		2410	2290	0.0764	0.0624	0.000169	0.0004745	0.244	0.185	0.399	0.349	328	284	0.0482	0.0507	6870	0.001435	0.001435	3070	2870	0.002125	0.002125	0.0155	0.0155	0.640	0.660	0.155	0.155
Maximum		3000	2950	1.14	1.47	0.0315	0.0315	0.657	0.709	1.09	1.29	399	398	0.227	0.155	9920	0.073	0.0086	3730	3660	0.0125	0.0125	0.296	0.155	1.42	1.37	2.84	2.38
%of values undetected		0%	0%	6%	6%	100%	100%	0%	0%	0%	0%	0%	0%	83%	89%	0%	94%	94%	0%	0%	100%	94%	94%	100%	0%	0%	56%	72%
# of values between MDL and MRL		0	0	0	0	0	0	2	2	0	0	0	0	3	2	0	0	1	0	0	0	0	0	0	2	2	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	24.21	24.14	NA	NA	5	4.6	NA	0.852567	0.725	NA	NA	NA	NA	NA	NA	NA	NA	55.55	54.77
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	33%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-08M																									
	Sample Date																								
	09/06/04						22.2	60	52.5	**0.075**	**5.60**	32	**0.155**			**0.07**		0.794	0.144	1.12	**0.00125**	**0.00125**	**0.20**		**0.0155**
	10/19/04	6.50	2.93	66	271	2.93	20.5	65	18.8	**0.075**	11.2	29.5	**0.155**			**0.0155**		0.759	**0.05**	2.63	**0.00125**	0.003	**0.0295**		**0.0155**
	03/15/05	6.29	3.01	51		3.01	25.1	70	50.0	**0.075**	7.00	29	**0.05**			0.0921		0.672	**0.043**	1.28	**0.0025**	**0.0025**	**0.18**		**0.05**
	05/12/05	6.20	3.55	61	224.7	3.55	26.3	65	61.2	**0.075**	8.75	30	**0.08**			0.142		0.635	**0.039**	1.18	**0.00125**	**0.00125**	**0.20**		**0.0155**
	08/20/05	6.29	3.99	46	109	3.99	24.2	65	47.5	**0.075**	5.00	30.5	**0.056**			**0.018**		0.617	**0.032**	1.11	**0.0025**	**0.0025**	**0.79**		**0.0155**
	11/06/05	6.39	2.97	59	285	2.97	22.1	60	35.0	**0.075**	8.50	30.5	**0.038**			**0.018**		0.616	**0.0155**	1.16	**0.00125**	**0.00125**	**0.13**		**0.0155**
	03/10/06	6.83	2.55	59	311	2.55	24.6	50.0	22.5	**0.150**	8.00	34.0	**0.0500**			0.0110		0.650	**0.0155**	1.18	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/20/06	6.04	3.18	57	249.5	3.18	25.5	65.0	48.8	**0.200**	6.25	33.0	0.366			0.0310		0.654	**0.0510**	1.45	**0.00125**	**0.00125**	**0.155**		0.150
	08/20/06	6.35	3.33	58	209	3.33	26.3	55.0	67.5	**0.300**	10.3	32.0	**0.0990**	**0.0155**	**0.0990**	0.0120	**0.05**	0.657	**0.0630**	1.14	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/25/06						23.1	50.0	46.3	**0.075**	**7.75**	30.0	0.105	**0.0155**	0.105	0.0340	**0.05**	0.711	**0.0690**	1.16	**0.00075**	**0.00075**	**0.155**		**0.0500**
	10/26/06	6.47	2.99	58	217.2	2.99																			
	03/17/07	6.22	2.48	34	189.8	2.48	22.6	50.0	37.5	**0.150**	**8.25**	34.0	**0.0700**	**0.0155**	**0.0555**	0.0220		0.591	**0.0155**	0.933	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/14/07	6.24	3.26	34	163.9	3.26	25.8	60.0	51.3	**0.075**	**6.50**	31.0	**0.050**			0.0175		0.716	**0.0460**	1.12	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/20/07	6.33	3.70	32	94.2	3.70	24.6	60.0	45.0	**0.075**	10.0	30.6	**0.0740**			0.0142		0.570	**0.0330**	0.854	**0.00075**	**0.00075**	**0.155**		**0.0155**
	11/15/07	6.55	2.57	56	225.1	2.57	28.2	60.0	60.0	**0.075**	**8.00**	30.8	**0.0155**			0.0188		0.583	**0.0390**	1.03	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/22/08	6.22	2.64	60	119.4	2.64																			
	03/24/08						25.8	69.7	53.8	**0.075**	12.7	34.3	**0.0950**			0.0150		0.557	**0.0350**	0.938	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/20/08	6.25	3.28	64	245.3	3.28	25.3	64.8	45.0	**0.207**	**6.69**	33.5	0.353			**0.0089**		0.618	**0.0360**	0.920	**0.00250**	**0.00250**	**0.155**	**0.075**	**0.0155**
	08/26/08	6.32	3.53	59	337.6	3.53	22.9	62.9	45.0	**0.421**	**5.84**	32.1	**0.050**			0.0129		0.562	**0.0470**	0.951	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/18/08	6.38	2.65	59	122.6	2.65	23.4	60.8	31.3	**0.076**	**6.40**	30.4	**0.0835**			**0.0092**		0.514	**0.0400**	0.886	**0.00075**	**0.00075**	**0.155**	0.935	**0.0155**
	Mean	6.35	3.09	54	210.9	3	24.4	60.7	45.5	0.129	7.90	32.0	0.108	0.0155	0.0865	0.0312	0.05	0.638	0.0452	1.17	0.00120	0.00130	0.188	0.420	0.0306
	Median	6.32	3.01	58	221.0	3.01	24.6	60.4	46.9	0.075	7.90	31.0	0.077	0.0155	0.0990	0.0178	0.0500	0.627	0.0395	1.12	0.00100	0.00100	0.155	0.250	0.0155
	St. Deviation	0.18	0.44	11	73.5	0	1.9	6.1	12.7	0.097	2.10	2.0	0.098	0	0.0270	0.0353	0	0.073	0.0287	0.40	0.00060	0.00080	0.154	0.455	0.0332
	# of values	17	17	17	16	17	18	18	18	18	18	18	18	3	3	18	2	18	18	18	18	18	18	3	18
	Minimum	6.04	2.48	32	94.2	2.48	20.5	50.0	18.8	0.075	5.00	29	0.0155	0.0155	0.0555	0.0089	0.0500	0.514	0.0155	0.854	0.00075	0.00075	0.0295	0.075	0.0155
	Maximum	6.83	3.99	66	337.6	3.99	28.2	70	67.5	0.421	12.7	34.3	0.366	0.0155	0.105	0.142	0.050	0.794	0.144	2.63	0.0025	0.003	0.79	0.935	0.150
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	78%	0%	0%	28%	100%	0%	6%	100%	0%	22%	0%	100%	94%	72%	67%	94%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	4	8	0	10	0	2	5	0	0	13	0	0	1	5	0	0
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.56
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-08M																													
Sample Date																													
09/06/04		**3.9**	**3.9**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.96	4.07	**0.0075**	**0.0075**			**5**	**5**	**0.0155**	**0.0155**	6490	6470	0.222	0.254	**0.05**		**0.1**	0.304	43.9	46.5	**0.05**	**0.05**
10/19/04		**3.9**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.53	3.9	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	5810	6980	0.336	**0.184**	**0.0155**	**0.0155**	**0.1**	**0.1**	**3.1**	**3.1**	**0.05**	**0.05**
03/15/05		2.6	0.745	**0.0104**	**0.00994**	0.0983	0.0617	4.17	4.09	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.86	2.02	**0.003095**	**0.003095**	6900	6780	0.31	0.207	**0.0115**	**0.0155**	0.0862	**0.03**	**3.74**	**4.04**	**0.011**	**0.011**
05/12/05		2.21	1.08	**0.01**	**0.01**	0.0728	0.0727	3.6	4.33	**0.001495**	**0.001495**	**0.003835**	**0.003835**	2.08	2.24	**0.003095**	**0.003095**	7610	6240	0.397	**0.03565**	**0.0123**	**0.0124**	0.0692	**0.03**	**2.93**	**1.325**	**0.011**	**0.035**
08/20/05		3.07	2.51	0.0178	0.0112	**0.125**	**0.25**	3.78	3.44	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5**	**0.00775**	**0.00775**	6930	6550	0.654	0.32	0.0354	0.0336	0.398	0.351	**17.3**	**3.1**	**0.0155**	**0.0852**
11/06/05		2.3	**1**	**0.00155**	**0.00155**	**0.25**	**0.125**	3.29	3.21	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	6260	6180	0.337	0.254	0.0294	0.0186	0.183	0.177	**3.1**	**3.1**	**0.05**	**0.05**
03/10/06		2.83	3.95	**0.0218**	**0.0178**	**0.155**	**0.155**	4.04	3.96	**0.0120**	**0.0120**	0.0676	**0.0250**	**2.24**	**2.50**	**0.0125**	**0.0125**	6690	6620	0.754	0.574	**0.0100**	**0.0108**	0.285	0.170	**10.0**	**10.0**	0.0930	
05/20/06		61.9	**1.00**	**0.0214**	**0.0228**	**0.155**	**0.155**	3.72	3.96	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	7190	7530	0.364		0.0296	0.0228	0.241	0.206	**3.10**	**7.19**	0.230	0.0944
08/20/06		**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	4.13	4.24	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	7440	7690	0.447	0.491	0.0280	0.0270	0.230	0.204	**3.10**	**3.10**	**0.0155**	
10/25/06		11.2	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.62	3.69	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6400	6790	0.563		**0.0065**	**0.0144**	0.156	0.183	**10.0**	**10.0**	**0.0155**	**0.0500**
10/26/06																													
03/17/07		13.5		**0.0250**	**0.0250**	**0.155**	**0.155**	3.84	4.13	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6460	7280	0.343	0.436	0.0214	0.0278	0.158		**10.0**	37.9	**0.0500**	**0.0500**
05/14/07		**1.00**	2.27	**0.0432**	0.0626	**0.155**	**0.155**	4.11	4.32	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7140	7570	0.483	0.479	**0.0100**	**0.0100**	0.201	0.296	**10.0**	**10.0**	0.123	0.136
08/20/07		3.37	**1.00**	**0.0314**	**0.0164**	**0.155**	**0.155**	4.24	4.14	**0.0125**	**0.0125**	**0.0266**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7040	7460	0.600	0.472	**0.0194**	**0.0130**	0.351	0.198	**10.0**	**10.0**	0.113	**0.0155**
11/15/07		3.23	**1.00**	**0.0075**	**0.0170**	**0.155**	**0.155**	4.24	4.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8060	8560	0.529	0.491	**0.0050**	**0.0050**	0.154	0.164	**11.1**	**9.93**	**0.0155**	**0.0155**
03/22/08																													
03/24/08		6.79	**1.87**	**0.0075**	**0.0075**	**0.155**	**0.155**	4.07	3.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7270	7010	0.493	0.362	**0.0100**	**0.0100**	0.152	0.169	35.2	26.0	**0.0155**	**0.0155**
05/20/08		**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.99	4.04	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	7220	7170	0.265	0.323	**0.0101**	**0.0157**	**0.050**	0.138	21.2	29.2	**0.0155**	**0.0155**
08/26/08		**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.58	3.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6540	6890	0.365	0.436	**0.0119**	**0.0129**	0.155	0.188	23.9	27.6	**0.0155**	**0.0155**
10/18/08		2.59	**0.915**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.50	3.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6600	6920	0.489	0.361	**0.0130**	**0.0135**	0.160	0.138	22.0	**17.1**	**0.0155**	**0.0155**
Mean		7.08	2.22	0.0170	0.018	0.148	0.146	3.86	3.96	0.0101	0.0101	0.0547	0.0511	1.62	1.84	0.0097	0.0097	6890	7040	0.442	0.355	0.0183	0.0164	0.179	0.179	14	14	0.0503	0.0440
Median		2.95	1.00	0.0100	0.011	0.155	0.155	3.90	4.00	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6920	6950	0.422	0.362	0.0127	0.0144	0.157	0.177	10	10	0.0155	0.0425
St. Deviation		14.1	2.84	0.0130	0.015	0.035	0.039	0.29	0.33	0.0038	0.0038	0.180	0.180	0.91	1.22	0.0047	0.0047	540	580	0.141	0.142	0.0119	0.0074	0.094	0.085	12	13	0.0575	0.0355
# of values		18	17	18	18	18	18	18	18	18	18	17	17	18	18	18	18	18	18	18	16	18	17	18	17	18	18	18	16
Minimum		1.00	0.745	0.00155	0.00155	0.0728	0.0617	3.29	3.21	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	5810	6180	0.222	0.03565	0.005	0.005	0.050	0.03	2.93	1.325	0.011	0.011
Maximum		61.9	12.5	0.0432	0.0626	0.25	0.25	4.24	4.44	0.0125	0.0125	0.75	0.75	5	5	0.0185	0.0185	8060	8560	0.754	0.574	0.05	0.0336	0.398	0.351	43.9	46.5	0.230	0.136
%of values undetected		33%	59%	67%	61%	89%	89%	0%	0%	100%	100%	88%	100%	83%	89%	100%	100%	0%	0%	0%	6%	39%	24%	17%	18%	50%	50%	78%	81%
# of values between MDL and MRL		0	2	5	5	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	6	8	0	0	4	4	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.088	0.085	NA	NA	10.98	10.56276	NA	NA	2.544	2.442	1000	1000	0.459	0.465
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-08M																													
Sample Date																													
09/06/04		1450	1500	1.21	1.57	0.031		**0.155**	**0.155**	0.207		297	313	**0.155**	**0.155**	9210	**0.0031**	**0.0031**	2260	2420	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.75**	1.66
10/19/04		1460	1700	**0.5**	**0.25**	0.031	0.031	**0.155**	**0.155**	0.255	0.207	278	336	**0.155**	**0.155**	8470	**0.0031**	**0.0031**	2380	2690	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.75**
03/15/05		1910	1650	0.33	0.243	0.0315	0.0315	**0.0789**	**0.05**	0.19	0.131	316	310	**0.0326**	**0.0143**	6820	**0.001435**	**0.001435**	2680	2350	**0.002125**	**0.002125**	0.266	**0.0302**	0.154	0.137	**0.510**	**0.2345**
05/12/05		1770	1570	0.196	0.139	0.0315	0.0315	**0.04**	0.111	0.16	0.201	317	326	**0.0143**	**0.032**	8020	**0.001435**	**0.001435**	2870	2400	**0.002125**	**0.002125**	**0.0302**	**0.079**	0.133	0.156	**0.2345**	**0.50**
08/20/05		1680	1670	0.293	**0.1**	0.031	0.031	0.0998	0.0948	0.51	0.578	322	309	**0.0775**	**0.165**	9090	**0.0031**	**0.0031**	2670	2700	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	**0.75**	**0.75**
11/06/05		1570	1570	**0.1**	**0.1**	0.031	0.031	0.0314	**0.01**	0.299	0.319	282	281	**0.0775**	**0.0775**	9330	**0.0031**	**0.0031**	2480	2500	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	**0.75**	**0.75**
03/10/06		1910	1980	0.166		**0.000475**	**0.000475**	0.0608	**0.0284**	0.257	0.254	307	320	**0.155**	**0.155**	9030	**0.00310**	**0.00310**	2940	3070	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.68	
05/20/06		1840	1750	0.220	0.143	**0.000475**	**0.000475**	0.0542	**0.0075**	0.390	0.360	350	358	**0.155**	**0.155**	8880	0.0614	**0.00310**	3070	2920	**0.00250**	**0.00720**	**0.0155**	**0.0155**	0.543	**0.110**	1.91	1.61
08/20/06		1870	1920	0.172	0.177	**0.000475**	**0.000475**	0.0516	0.0598	0.264	0.328	325	348	**0.155**	**0.155**	8860	**0.00310**	**0.00310**	2840	2930	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	
10/25/06		1730	1830	0.112	0.112	**0.000475**	**0.00107**	0.0958	0.112	0.213	0.332	296	315	**0.155**	**0.155**	8360	**0.00310**	**0.00310**	2720	2930	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.155**	**0.500**
10/26/06																													
03/17/07		1560	1860	0.417		**0.000169**	**0.000475**	0.0828	0.107	0.338	0.390	272		**0.155**	**0.155**	9130	**0.00310**	**0.00310**	2410	2870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.432**	**0.155**	2.04	1.27
05/14/07		1930	2010	0.137	0.158	**0.000169**	**0.000475**	0.106	0.110	0.308	0.392	328	342	**0.155**	**0.155**	9310	**0.00310**	**0.00310**	3010	3150	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.40
08/20/07		1700	1810	0.301	0.0938	**0.000169**	**0.000475**	0.0920	0.0954	0.412	0.338	333	338	**0.155**	**0.155**	9430	**0.00310**	**0.00310**	2860	3010	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	6.68	2.76
11/15/07		1970	2080	0.128	0.0950	**0.00250**	**0.000475**	0.116	0.127	0.299	0.395	363	383	**0.155**	**0.155**	10400	**0.00310**	**0.00310**	3200	3400	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.15	2.06
03/22/08																													
03/24/08		1870	1850	0.654	0.141	**0.000750**	**0.000750**	0.0878	0.0877	0.447	0.484	316	307	**0.155**	**0.155**	8460	**0.00310**	**0.00310**	2880	2830	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.750**	**0.967**
05/20/08		1780	1770	0.0901	0.0904	**0.000750**	**0.000750**	0.0874	0.0851	0.256	0.289	308	317	**0.155**	**0.155**	8260	**0.00310**	**0.00310**	2700	2680	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/26/08		1600	1700	0.101	0.111	**0.000750**	**0.000750**	0.0916	0.0997	0.246		283	305	**0.155**	**0.155**	8260	**0.00310**	**0.00310**	2520	2670	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.02	**0.500**
10/18/08		1690	1780	0.120	0.0842	**0.000750**	**0.000750**	**0.0319**	**0.0319**	0.450	0.426	294	308	**0.155**	**0.155**	8540	**0.00310**	**0.00310**	2690	2850	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.05	**0.500**
Mean		1740	1780	0.292	0.225	0.0108	0.00961	0.0843	0.0849	0.306	0.339	310	324	0.132	0.137	8770	0.00615	0.00292	2730	2800	0.00503	0.00529	0.0666	0.0562	0.189	0.150	1.34	1.04
Median		1750	1780	0.184	0.126	0.00075	0.00075	0.0876	0.0951	0.282	0.335	312	317	0.155	0.155	8870	0.00310	0.00310	2710	2840	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.75	0.75
St. Deviation		160	160	0.277	0.362	0.0148	0.0144	0.0360	0.0447	0.099	0.111	25	24	0.047	0.045	750	0.0138	0.00054	250	280	0.00296	0.00293	0.0629	0.0389	0.117	0.042	1.54	0.70
# of values		18	18	18	16	18	17	18	18	18	16	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
Minimum		1450	1500	0.0901	0.0842	0.000169	0.0004745	0.0314	0.0075	0.16	0.131	272	281	0.0143	0.0143	6820	0.001435	0.001435	2260	2350	0.002125	0.002125	0.0155	0.0155	0.1	0.1	0.155	0.2345
Maximum		1970	2080	1.21	1.57	0.0315	0.0315	0.155	0.155	0.51	0.578	363	383	0.155	0.165	10400	0.0614	0.00310	3200	3400	0.0125	0.0125	0.266	0.155	0.543	0.250	6.68	2.76
% of values undetected		0%	0%	11%	19%	100%	94%	11%	28%	0%	0%	0%	0%	94%	89%	0%	94%	100%	0%	0%	100%	94%	94%	94%	78%	89%	50%	56%
# of values between MDL and MRL		0	0	0	0	0	1	3	2	0	0	0	0	1	2	0	0	0	0	0	0	1	0	1	1	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	14.41	14.37	NA	NA	5	4.6	NA	0.2968918	0.252	NA	NA	NA	NA	NA	NA	NA	NA	33.04	32.57
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	33%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-08S																									
	Sample Date																								
	09/06/04	6.33	3.83	46	257	3.83	14.5	38	42.5	**0.075**	**3.40**	20	**0.155**			**0.0155**		0.687	0.127	0.865	**0.0027**	**0.00125**	**0.065**		**0.0155**
	10/19/04	6.56	3.69	48	268	3.69	15.3	50	25.0	**0.300**	**6.00**	22	**0.155**			**0.0155**		0.7	**0.0155**	1.34	**0.00125**	**0.0027**	**0.0295**		**0.0155**
	03/15/05	6.20	3.48	43		3.48	16.5	42	32.5	**0.075**	5.50	20	**0.05**			0.075		0.714	**0.037**	0.995	**0.0025**	**0.0025**	**0.16**		**0.0155**
	05/12/05	6.09	3.66	42	195.6	3.66	17.5	41	45.0	**0.075**	6.88	20.5	**0.07**			0.0335		0.627	**0.0155**	1.23	**0.00125**	**0.00125**	**0.14**		**0.0155**
	08/20/05	6.55	5.16	33	75	5.16	14.8	38.5	32.5	**0.075**	**3.75**	17	0.205			**0.016**		0.792	**0.0155**	0.948	**0.00125**	**0.00125**	**0.21**		**0.0155**
	11/06/05	6.18	3.26	44	242	3.26	17.3	46.5	20.0	**0.400**	6.50	22.5	**0.0355**			**0.014**		0.687	**0.0155**	1.78	**0.00125**	**0.00125**	**0.13**		**0.0155**
	03/10/06	6.99	2.65	42	310.0	2.65	17.5	48.0	28.7	**0.075**	6.75	24.0	**0.0565**			**0.0098**		0.669	**0.0155**	0.980	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/20/06	6.08	3.27	42	239.9	3.27	18.2	43.0	38.8	**0.150**	7.25	23.0	**0.0900**			0.0260		0.638	**0.0350**	0.926	**0.00125**	**0.00125**	**0.155**		**0.0420**
	08/20/06	6.35	3.54	47	192.8	3.54	19.0	47.0	58.7	**0.300**	**7.00**	20.0	**0.0735**	**0.0155**	**0.0735**	0.0160	**0.05**	0.780	**0.0490**	4.88	**0.00075**	**0.00075**	**0.155**		**0.0320**
	10/25/06	6.34	3.51	47	235.8	3.51	17.8	48.0	45.0	**0.075**	**8.00**	24.0	**0.0705**	**0.0155**	**0.0705**	0.0300	**0.0155**	0.700	**0.0610**	2.55	**0.00075**	**0.00075**	**0.155**		**0.0500**
	03/17/07	6.25	2.50	24	202.2	2.50	14.8	43.0	25.0	**0.200**	**8.50**	24.0	**0.0840**	**0.0155**	**0.0670**	0.0180	**0.05**	0.542	**0.0310**	1.45	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/14/07	6.13	3.37	24	160.3	3.37	16.5	44.0	30.0	**0.0775**	**6.00**	23.0	**0.050**			0.0108		0.729	**0.0370**	0.874	**0.00075**	**0.00075**	**0.155**		**0.0500**
	08/20/07	6.19	3.34	22	138.5	3.34	16.1	43.0	21.3	**0.075**	**8.50**	18.1	**0.0910**			0.0108		0.580	**0.0155**	1.46	**0.00075**	**0.00075**	**0.155**		**0.0155**
	11/14/07	6.32	2.89	42	235.2	2.89																			
	11/15/07						20.0	48.0	51.3	**0.0765**	**7.50**	22.1	**0.0155**			0.0213		0.561	**0.0155**	1.49	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/23/08	6.73	3.10	36	108.1	3.10	17.0	48.3	35.0	**0.075**	**7.70**	23.0	**0.0870**			0.0185		0.553	**0.0155**	0.674	**0.00075**	**0.00075**	**0.155**		**0.0414**
	05/20/08	6.22	2.78	49	203.0	2.78	18.8	50.5	21.3	**0.075**	**5.03**	93.3	**0.0655**			**0.0078**		0.557	**0.0155**	1.10	**0.00250**	**0.00250**	**0.155**	**0.250**	**0.0155**
	08/26/08	6.19	3.88	36	305.1	3.88	13.4	39.5	47.5	**0.321**	**4.64**	17.8	**0.050**			0.0121		0.505	**0.0430**	0.865	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/18/08	6.23	3.59	41	132.9	3.59	17.4	43.6	23.8	**0.080**	**4.80**	20.4	0.177			**0.0063**		0.569	**0.0320**	1.38	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0155**
	Mean	6.33	3.42	39	206.0	3	16.8	44.6	34.7	0.143	6.32	25.3	0.0878	0.0155	0.0703	0.0198	0.0385	0.644	0.0329	1.43	0.00120	0.00120	0.144	0.192	0.0270
	Median	6.24	3.43	42	203.0	3	17.2	43.8	32.5	0.076	6.63	22.1	0.0720	0.0155	0.0705	0.0158	0.0500	0.654	0.0233	1.17	0.00100	0.00100	0.155	0.250	0.0155
	St. Deviation	0.24	0.59	9	66.3	1	1.7	3.9	11.5	0.110	1.54	17.1	0.0516	0	0.0033	0.0156	0.0199	0.086	0.0274	0.97	0.00070	0.00070	0.039	0.101	0.0154
	# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	3	18	18	18	18	18	18	3	18
	Minimum	6.08	2.50	22	75	2.50	13.4	38	20.0	0.075	3.40	17	0.0155	0.0155	0.0670	0.0063	0.0155	0.505	0.0155	0.674	0.00075	0.00075	0.0295	0.075	0.0155
	Maximum	6.99	5.16	49	310.0	5.16	20.0	50.5	58.7	0.400	8.50	93.3	0.205	0.0155	0.0735	0.075	0.0500	0.792	0.127	4.88	0.0027	0.0027	0.21	0.250	0.0500
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	72%	0%	0%	28%	100%	0%	11%	100%	0%	50%	0%	94%	94%	78%	100%	83%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	5	13	0	11	0	3	5	0	0	8	0	1	1	4	0	3
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.34
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-09D																									
	Sample Date																								
	09/06/04	5.55	3.10	52	298	3.10	14.0	42	55.0	**0.075**	**5.80**	22.5	**0.155**			**0.06**		0.722	**0.031**	0.637	**0.00125**	**0.00125**	**0.065**		**0.0155**
	10/20/04	6.31	2.80	48	272	2.80	12.5	39	53.8	**0.200**	**9.80**	16	**0.155**			**0.05**		0.781	**0.0155**	0.725	**0.00125**	**0.0027**	**0.12**		**0.0155**
	03/17/05	5.95	2.60	41		2.60	17.0	45.5	46.3	**0.075**	16.3	23.5	**0.06**			0.147		0.754	**0.0460**	0.643	**0.00125**	**0.00125**	**0.21**		**0.05**
	05/15/05	5.91	3.94	39	164	3.94	13.7	38.5	56.3	1.00	7.75	17.5	0.25			0.088		0.705	**0.0450**	0.698	**0.00125**	**0.00125**	**0.49**		**0.0155**
	08/21/05	6.07	4.86	42	16	4.86	14.6	40.5	41.3	**0.075**	8.25	20.5	**0.0155**			0.068		0.664	**0.0370**	0.627	**0.00125**	**0.00125**	**0.30**		**0.0155**
	08/21/06	5.99	3.24	39	180.7	3.24	16.2	42.0	65.0	1.00	**8.75**	22.0	**0.0930**	**0.0155**	**0.0695**	0.0898		0.690	**0.0740**	0.658	**0.00075**	**0.00075**	**0.155**		0.222
	08/23/07	5.92	3.50	27	117.8	3.50	17.6	50.0	42.5	2.10	**9.25**	23.4	**0.0730**			0.0641		0.579	**0.0155**	0.472	**0.00075**	**0.00075**	**0.155**		**0.0155**
																								#NUM!	
	Mean	5.96	3.40	41	175	3.00	15.1	42.5	51.5	0.646	9.41	20.8	0.115	0.0155	0.0695	0.081	NA	0.699	0.0377	0.637	0.00111	0.00131	0.21	NA	0.0499
	Median	5.95	3.24	41	172	3.24	14.6	42.0	53.8	0.200	8.75	22.0	0.093	0.0155	0.0695	0.068	NA	0.705	0.0370	0.643	0.00125	0.00125	0.16	NA	0.0155
	St. Deviation	0.23	0.8	8	103	1	1.9	4.0	8.5	0.768	3.3	3.0	0.078	NA	NA	0.033	NA	0.066	0.0203	0.081	0.00024	0.00065	0.14	NA	0.0770
	# of values	7	7	7	6	7	7	7	7	7	7	7	7	1	1	7	0	7	7	7	7	7	7	0	7
	Minimum	5.55	2.60	27	16	2.60	12.5	38.5	41.3	0.075	5.80	16	0.0155	0.0155	0.0695	0.05	NA	0.579	0.0155	0.472	0.00075	0.00075	0.065	NA	0.0155
	Maximum	6.31	4.86	52	298	4.86	17.6	50.0	65.0	2.10	16.3	23.5	0.25	0.0155	0.0695	0.147	NA	0.781	0.0740	0.725	0.00125	0.0027	0.49	NA	0.222
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	43%	0%	0%	43%	100%	0%	0%		0%	43%	0%	100%	86%	43%		86%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	1	4	0	3	0	1	2		0	4	0	0	1	4		0
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.85
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	NA	0%
	%of DWS exceedences	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	#DIV/0!	0%

Location	Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-08S																													
Sample Date																													
09/06/04		**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	2.78	2.56	**0.0075**	**0.0075**			**5**	**5**	**0.0155**	**0.0155**	4480	3650	**0.1**	**0.1**	**0.05**	0.111	**0.1**		33.3	27.6	**0.05**	**0.05**
10/19/04		**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.32	3.28	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	4590	5210	0.532	0.517	**0.05**	**0.05**	**0.1**	**0.1**	**10**	25.9	**0.05**	**0.05**
03/15/05		13.7	1.18	0.0235	0.0219	0.0757	0.0662	3.36	3.13	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.77	2.06	**0.003095**	**0.003095**	4800	4860	0.476	**0.157**	**0.0228**	**0.0145**	0.181	0.0982	15.8	**1.325**	**0.011**	
05/12/05		17.4	1.75	0.0214	**0.01**	0.0518	0.048	3.97	4.45	**0.00445**	**0.001495**	**0.003835**	**0.003835**	2.71		**0.00935**	**0.00795**	5390	4560	0.452	**0.151**	0.0301	**0.0214**	0.275	0.174	20.1	**1.325**	0.0734	**0.011**
08/20/05		16.9	5.52	0.018		**0.125**	**0.125**	2.69	2.59	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**5**	**0.00775**	**0.00775**	4450	4470	0.966	**0.1**	0.0368	0.0198	0.665	0.375	20.9	**3.1**	**0.037**	
11/06/05		24	5.75	**0.00155**	**0.00155**	**0.125**	**0.125**	3.96	3.56	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5350	5090	0.513	**0.1**	0.0414	0.0184	0.307	0.281	28.5	**3.1**	**0.05**	**0.05**
03/10/06		6.92	**1.00**	**0.0228**	**0.0152**	**0.155**	**0.155**	3.07	2.68	**0.0120**	**0.0120**	0.0640	**0.0250**	**1.77**	**0.75**	**0.0125**	**0.0125**	4950	4640	0.879	0.541	**0.0100**	**0.0102**	0.606	0.464	**10.0**	**10.0**	0.0806	
05/20/06		6.94	**1.00**	**0.0268**	**0.0266**	**0.155**	**0.155**	2.77	2.95	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	5220	5410	0.597	0.586	0.0302	0.0268	0.859	0.797	**7.13**	**8.93**	0.0538	
08/20/06		16.5	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	4.65	4.70	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5910	6340	0.465	0.456	0.0320	0.0258	0.938	0.629	**11.6**	**3.10**	0.165	**0.0500**
10/25/06		21.1	2.07	**0.0075**	**0.0075**	**0.155**	**0.155**	4.39	4.33	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5390	5640	0.470	0.463	0.0300	**0.0065**	0.746	0.567	32.1	**10.0**	**0.0500**	**0.0155**
03/17/07		5.64	2.68	**0.0250**	**0.0250**	**0.155**	**0.155**	2.60	2.49	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4340	4510	0.332	0.234	**0.0100**	**0.0100**	1.41	1.28	**10.0**	**3.10**	**0.0500**	**0.0500**
05/14/07		4.65	2.39	**0.0075**	**0.0075**	**0.155**	**0.155**	2.91	3.00	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4710	5070	0.364	0.325	**0.0100**	**0.0050**	1.41	1.22	**10.0**	**10.0**	**0.0155**	**0.0500**
08/20/07		7.91	**1.00**	**0.0168**	**0.0075**	**0.155**	**0.155**	2.58	2.38	**0.0125**	**0.0125**	0.0638	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4870	4760	0.491	0.289	0.0200	**0.0118**	1.03	1.05	**10.0**	**10.0**	**0.0500**	**0.0500**
11/14/07																													
11/15/07		10.5	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.58	3.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6080	6100	0.432	0.323	**0.0184**	**0.0050**	0.744	0.553	**15.9**	**6.93**	**0.0155**	**0.0155**
03/23/08		4.41	**1.35**	0.115	0.0740	**0.155**	**0.155**	2.79	2.59	**0.0125**	**0.0250**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4840	4910	0.370	0.264	**0.0050**	**0.0050**	2.02	1.46	**16.5**	**15.6**	**0.0155**	**0.0155**
05/20/08		20.7	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.29	2.96	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5630	5570	0.347	0.249	0.0233	**0.0116**	1.34	1.12	38.0	23.0	**0.0500**	**0.0500**
08/26/08		10.3		**0.0075**	**0.0075**	**0.155**	**0.155**	2.12	2.09	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4020	4010	0.267	0.207	**0.0107**	**0.0050**	0.802	0.828	21.9	20.6	**0.0155**	**0.0155**
10/18/08		16.3	**1.32**	**0.0075**	**0.0075**	**0.155**	**0.155**	3.18	3.14	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5290	5370	0.392	0.215	**0.0194**	**0.0138**	0.783	0.615	29.4	**14.6**	**0.0500**	**0.0155**
Mean		12.7	3.24	0.022	0.0183	0.138	0.137	3.22	3.13	0.0103	0.0108	0.0567	0.0511	1.62	1.72	0.0101	0.0100	5020	5010	0.469	0.293	0.025	0.0206	0.795	0.683	19.0	11.0	0.0490	0.0349
Median		12.5	1.35	0.017	0.0075	0.155	0.155	3.13	2.98	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0076	0.0076	4910	4990	0.459	0.257	0.023	0.0128	0.765	0.615	16.2	10.0	0.0500	0.0500
St. Deviation		6.00	3.79	0.026	0.0183	0.030	0.032	0.67	0.74	0.0034	0.0051	0.180	0.180	0.93	1.27	0.0044	0.0044	560	680	0.200	0.158	0.014	0.0251	0.517	0.425	9.60	9.00	0.0353	0.0181
# of values		18	17	18	17	18	18	18	18	18	18	17	17	18	17	18	18	18	18	18	18	18	18	18	17	18	18	18	14
Minimum		4.41	1.00	0.00155	0.00155	0.0518	0.048	2.12	2.09	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	4020	3650	0.1	0.1	0.005	0.005	0.1	0.0982	7.13	1.325	0.011	0.011
Maximum		24	12.5	0.115	0.074	0.155	0.155	4.65	4.70	0.0125	0.025	0.75	0.75	5	5	0.0185	0.0185	6080	6340	0.966	0.586	0.05	0.111	2.02	1.46	38.0	27.6	0.165	0.050
%of values undetected		11%	47%	61%	76%	89%	89%	0%	0%	94%	100%	88%	100%	83%	94%	94%	94%	0%	0%	6%	17%	33%	39%	11%	6%	28%	56%	72%	100%
# of values between MDL and MRL		0	2	3	2	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	2	4	6	0	0	4	4	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.064	0.063	NA	NA	10.98	10.56276	NA	NA	1.774	1.703	1000	1000	0.268	0.288
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-09D																													
Sample Date																													
09/06/04		**12.5**	**3.9**	**0.0385**	**0.0385**	**0.327**	**0.375**	0.596	0.497	**0.0075**	**0.0075**			**5**	**5**	**0.0155**	**0.0155**	4090	3900	0.305	0.307	**0.05**		**0.1**	**0.1**	35.4	27.9	**0.05**	**0.05**
10/20/04		**12.5**	**12.5**	**0.0385**	**0.0385**	**0.25**	**0.125**	0.582	0.511	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	3730	3680	**0.05**	**0.05**	**0.0155**	**0.0155**	**0.1**	**0.1**	**3.1**	**3.1**	**0.05**	**0.05**
03/17/05		3.94	0.84	0.0263	0.0254	0.301	0.299	0.301	0.298	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.84	1.66	**0.003095**	**0.003095**	4790	4320	1.16	0.404	0.194	0.171	1.2	0.904	**4.80**	**1.325**	**0.0634**	0.102
05/15/05		6	1.75	0.0265	0.0271	0.298	0.329	0.639	0.57	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.86	2.29	**0.003095**	**0.003095**	3940	4220	0.423	0.233	0.0587	0.0504	0.0921	0.0989	**6.12**	**2.80**	**0.035**	**0.035**
08/21/05		3.36	**1**	0.0268	0.0248	**0.25**	**0.25**	0.264	0.273	**0.0075**	**0.0075**	**0.00155**	**0.00155**	12.7	**5**	**0.00775**	**0.00775**	4200	3940	0.623	0.303	0.0408	0.0266	0.257	0.188	**3.1**	**3.1**	**0.0396**	**0.0584**
08/21/06		52.8	**1.00**	**0.0390**	**0.0300**	0.683	**0.155**	1.29	0.571	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4710	4670	1.61	0.625	0.0650	0.0280	0.790	0.169	59.6	**3.10**	0.317	**0.0500**
08/23/07		50.5	**1.00**	**0.0216**	**0.0338**	**0.155**	**0.155**	1.00	0.448	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5140	5310	2.67	0.596	0.0686	0.0272	0.323	0.316	98.0	24.0	**0.0500**	**0.0500**
Mean		20.2	3.14	0.0310	0.0312	0.323	0.241	0.667	0.453	0.00721	0.00721	0.1290	0.1290	3.64	2.57	0.01013	0.01013	4370	4290	0.977	0.360	0.0704	0.0531	0.409	0.268	30	9.33	0.086	0.056
Median		12.5	1.00	0.0268	0.0300	0.298	0.250	0.596	0.497	0.00750	0.00750	0.0057	0.0057	1.84	1.66	0.00775	0.00775	4200	4220	0.623	0.307	0.0587	0.0276	0.257	0.169	6.12	3.10	0.050	0.050
St. Deviation		21.8	4.27	0.0074	0.0059	0.168	0.098	0.367	0.122	0.00450	0.00450	0.304	0.304	4.21	1.70	0.00632	0.00632	510	550	0.917	0.203	0.0574	0.0589	0.427	0.291	36.9	11.4	0.102	0.021
# of values		7	7	7	7	7	7	7	7	7	7	6	6	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7
Minimum		3.36	0.84	0.0216	0.0248	0.155	0.125	0.264	0.273	0.001495	0.001495	0.00155	0.00155	1.25	1.25	0.003095	0.003095	3730	3680	0.05	0.05	0.0155	0.0155	0.0921	0.0989	3.1	1.325	0.035	0.035
Maximum		52.8	12.5	0.039	0.0385	0.683	0.375	1.29	0.571	0.0125	0.0125	0.75	0.75	12.7	5	0.0185	0.0185	5140	5310	2.67	0.625	0.194	0.171	1.2	0.904	98.0	27.9	0.317	0.102
%of values undetected		29%	71%	29%	29%	43%	57%	0%	0%	100%	100%	100%	100%	57%	71%	100%	100%	0%	0%	14%	14%	29%	17%	29%	29%	29%	57%	57%	71%
# of values between MDL and MRL		0	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.059	0.059	NA	NA	10.98	10.56276	NA	NA	1.617	1.552	1000	1000	0.234	0.255
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-08S																													
	Sample Date																												
	09/06/04	796	852	1.78	1.56	**0.031**		**0.155**	**0.155**	**0.1**		243	220	**0.155**	**0.155**	7280	**0.0031**	**0.0031**	1740	1910	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.314**	2.01	
	10/19/04	932	1040	4.46	3.68	**0.031**	**0.031**	**0.155**	**0.155**	0.276	0.343	258	287	**0.155**	**0.155**	7110	**0.0031**	**0.0031**	2020	2220	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.75**	**0.75**
	03/15/05	1100	950	1.92	1.49	**0.0315**	**0.0315**	**0.0169**		0.309	0.362	243	244	**0.0143**	**0.0143**	5620	**0.001435**	**0.001435**	2000	1690	**0.002125**	**0.002125**	0.303	**0.1**	0.155	0.121	3.67	4.35
	05/12/05	981	918	6.74	5.81	**0.0315**	**0.0315**	**0.0702**	**0.0646**	0.264	0.211	248	249	**0.0143**	**0.0143**	6260	**0.00355**	**0.001435**	2160	1980	**0.002125**	0.0118	**0.103**	**0.105**	0.117	0.0869	2.23	1.68
	08/20/05	901	941	1.19	0.777	**0.031**	**0.031**	0.055	0.061	0.547	0.433	236	243	**0.0775**	**0.0775**	7320	**0.0031**	**0.0031**	1950	2210	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.249**	**0.219**	4.67	5.73
	11/06/05	942	922	2.6	0.768	**0.031**	**0.031**	**0.0031**	**0.0031**	0.493	0.37	259	242	**0.0775**	**0.0775**	7800	**0.0031**	**0.0031**	2160	2080	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.2**	2.42	3.49
	03/10/06	1260	1200	0.767	0.247	**0.000475**	**0.000475**	**0.0370**	**0.0075**	0.329	0.261	250	243	**0.155**	**0.155**	7430	**0.00310**	**0.00310**	2500	2400	**0.00250**	**0.00250**	**0.0522**	**0.0155**	**0.110**	**0.110**	4.93	5.43
	05/20/06	1270	1180	0.549	0.312	**0.000475**	**0.000475**	**0.0075**	**0.0075**	0.343	0.363	277	281	**0.155**	**0.155**	6940	**0.00310**	**0.00310**	2370	2200	**0.00250**	**0.00960**	**0.0155**	**0.0155**	**0.250**	**0.110**	2.69	
	08/20/06	1040	1130	1.64	0.914	**0.000475**	**0.000475**	**0.0145**	**0.0145**	0.329	0.404	255	270	**0.155**	**0.155**	7060	**0.00310**	**0.00310**	2180	2390	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.63	1.64
	10/25/06	1050	1090	1.99	0.675	**0.000475**	**0.000475**	**0.0388**	**0.0328**	0.267	0.251	248	258	**0.155**	**0.155**	7240	**0.00310**	**0.00310**	2570	2660	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	**0.500**
	03/17/07	954	991	0.489	0.210	**0.000169**	**0.000475**	**0.0488**	**0.0478**	0.254	0.246	196	204	**0.155**	**0.155**	5660	**0.00310**	**0.00310**	1800	1880	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.322**	5.73	4.21
	05/14/07	1140	1180	0.298	0.207	**0.000169**	**0.000475**	**0.0410**	**0.0484**	0.213	0.242	244	252	**0.155**	**0.155**	6780	**0.00310**	**0.00310**	2130	2210	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.11	2.31
	08/20/07	956	945	0.412	0.180	**0.000169**	**0.000475**	**0.0474**	**0.0444**	0.286	0.227	255	228	**0.155**	**0.155**	6670	**0.00310**	**0.00310**	2120	2010	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	10.3	6.89
	11/14/07																												
	11/15/07	1170	1200	0.502	0.243	**0.000169**	**0.000475**	0.0584	0.0612	0.244	0.236	282	287	**0.155**	**0.155**	8220	**0.00310**	**0.00310**	2600	2640	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.18	2.47
	03/23/08	1180	1110	0.261	0.155	**0.000750**	**0.000750**	**0.0492**	0.0557	0.277	0.259	235	230	**0.155**	**0.155**	6520	**0.00310**	**0.00310**	2240	2120	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.54	2.87
	05/20/08	1150	1120	1.30	0.270	**0.000750**	**0.000750**	**0.0437**	**0.0463**	0.245	0.229	248	245	**0.155**	**0.155**	6930	**0.00310**	**0.00310**	2170	2070	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.97	2.02
	08/26/08	811	819	0.324	0.366	**0.000750**	**0.000750**	**0.0477**	**0.0462**	**0.156**	**0.149**	197	199	**0.155**	**0.155**	6190	**0.00310**	**0.00310**	1800	1820	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.61	2.56
	10/18/08	1010	981	1.10	0.250	**0.000750**	**0.000750**	**0.0075**	0.0580	0.356	0.429	257	255	**0.155**	**0.155**	7380	**0.00310**	**0.00310**	2490	2390	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.87	1.64
	Mean	1040	1032	1.57	1.01	0.0107	0.00958	0.0498	0.0535	0.294	0.295	246	247	0.131	0.131	6910	0.00303	0.00292	2170	2160	0.00503	0.00596	0.0748	0.0616	0.165	0.177	3.16	3.03
	Median	1030	1016	1.15	0.339	0.00075	0.00075	0.0456	0.0478	0.277	0.259	248	245	0.155	0.155	7000	0.00310	0.00310	2160	2160	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.52	2.52
	St. Deviation	140	123	1.67	1.47	0.0149	0.0144	0.0428	0.0432	0.104	0.085	22	25	0.049	0.049	680	0.00041	0.00054	260	270	0.00296	0.00330	0.0685	0.0408	0.050	0.068	2.25	1.84
	# of values	18	18	18	18	18	17	18	17	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
	Minimum	796	819	0.261	0.155	0.000169	0.0004745	0.0031	0.0031	0.1	0.149	196	199	0.0143	0.0143	5620	0.001435	0.001435	1740	1690	0.002125	0.002125	0.0155	0.0155	0.1	0.0869	0.500	0.500
	Maximum	1270	1200	6.74	5.81	0.0315	0.0315	0.155	0.155	0.547	0.433	282	287	0.155	0.155	8220	0.00355	0.00310	2600	2660	0.0125	0.0125	0.303	0.155	0.250	0.322	10.3	6.89
	%of values undetected	0%	0%	0%	0%	100%	100%	39%	35%	6%	0%	0%	0%	100%	100%	0%	94%	100%	0%	0%	100%	89%	83%	94%	83%	72%	11%	13%
	# of values between MDL and MRL	0	0	0	0	0	0	9	7	1	1	0	0	0	0	0	1	0	0	0	0	1	2	1	1	3	0	0
	Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	10.08	10.05	NA	NA	5	4.6	NA	0.1436825	0.122	NA	NA	NA	NA	NA	NA	NA	NA	23.11	22.78
	Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	%of CALC exceedences	0%	0%	0%	0%	33%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-09D																													
	Sample Date																												
	09/06/04	921	995	**0.25**	1.18	**0.031**		**0.155**	**0.155**	**0.1**		354	382	**0.155**	**0.155**	12100	**0.0031**	**0.0031**	2460	2710	**0.0125**	**0.0125**	**0.155**	**0.155**	0.809	1.03	**0.235**	**0.75**
	10/20/04	766	758	**0.25**	**0.25**	**0.1**	**0.031**	**0.155**	**0.155**	**0.1**	**0.1**	346	344	**0.155**	**0.155**	10400	**0.0031**	**0.0031**	2450	2350	**0.0125**	**0.0125**	**0.155**	**0.155**	0.932	0.816	**0.235**	**0.235**
	03/17/05	1220	1070	0.283	0.248	**0.0315**	**0.0315**	**0.0938**		0.536	0.418	394	389	**0.0143**	**0.0143**	8980	**0.001435**	**0.001435**	2850	2550	**0.002125**	**0.002125**	0.271	**0.1**	0.912	0.852	**0.564**	**0.568**
	05/15/05	932	876	0.23	0.153	**0.0315**	**0.0315**	0.149	0.152	0.143	0.221	348	340	**0.0366**	**0.0347**	10600	**0.001435**	**0.001435**	2370	2460	**0.00463**	**0.00555**	**0.1**	**0.07**	0.9	0.857	**0.50**	**0.50**
	08/21/05	996	960	**0.1**	**0.1**	**0.031**	**0.088**	0.227	0.117	0.421	0.434	372	346	**0.0775**	**0.0775**	11900	**0.0031**	**0.0031**	2870	2720	**0.0031**	**0.0031**	**0.031**	**0.031**	0.963	1.06	**0.75**	**0.75**
	08/21/06	1090	1070	1.76	0.239	**0.000475**	**0.000475**	0.103	0.101	1.10	0.482	402	388	**0.155**	**0.155**	11000	**0.00310**	**0.00310**	2850	2920	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.989**	**0.801**	3.96	1.35
	08/23/07	1150	1180	2.99	0.700	**0.000169**	**0.000475**	0.153	0.170	1.60	0.960	399	419	**0.155**	**0.155**	11700	**0.00310**	**0.00310**	2940	3270	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.876**	**0.349**	18.2	9.10
	Mean	1011	987	0.84	0.410	0.0322	0.0305	0.148	0.142	0.571	0.436	374	373	0.107	0.107	11000	0.00262	0.00262	2680	2710	0.00641	0.00654	0.116	0.087	0.912	0.824	3.49	1.89
	Median	996	995	0.25	0.248	0.0310	0.0313	0.153	0.154	0.421	0.426	372	382	0.155	0.155	11000	0.00310	0.00310	2850	2710	0.00500	0.00500	0.100	0.070	0.912	0.852	0.564	0.75
	St. Deviation	155	139	1.11	0.392	0.0332	0.0320	0.043	0.027	0.576	0.295	25	30	0.063	0.063	1100	0.00081	0.00081	240	310	0.00429	0.00424	0.085	0.051	0.059	0.233	6.62	3.20
	# of values	7	7	7	7	7	6	7	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	Minimum	766	758	0.1	0.1	0.000169	0.0004745	0.0938	0.101	0.1	0.1	346	340	0.0143	0.0143	8980	0.001435	0.001435	2370	2350	0.002125	0.002125	0.031	0.031	0.809	0.349	0.235	0.235
	Maximum	1220	1180	2.99	1.18	0.1	0.088	0.227	0.170	1.60	0.960	402	419	0.155	0.155	12100	0.00310	0.00310	2940	3270	0.0125	0.0125	0.271	0.155	0.989	1.06	18.2	9.10
	%of values undetected	0%	0%	43%	29%	100%	83%	29%	33%	29%	17%	0%	0%	86%	86%	0%	100%	100%	0%	0%	86%	86%	86%	86%	0%	0%	57%	57%
	# of values between MDL and MRL	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	1	2	2	1	1
	Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	9.20	9.17	NA	NA	5	4.6	NA	0.119205	0.101	NA	NA	NA	NA	NA	NA	NA	NA	21.08	20.78
	Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	%of CALC exceedences	0%	0%	0%	0%	71%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-10																									
	Sample Date																								
	10/21/04	6.28	3.69	53	283	3.69	17.1	60	42.5	0.200	7.00	20	0.155			0.0155		0.841	0.0155	4.22	0.00125	0.00125	0.0295		0.0155
	03/20/05	6.11	2.53	40		2.53	20.1	45	55.0	0.075	8.75	21	0.12			0.0514		0.713	0.0155	4.91	0.00125	0.00125	0.13		0.0155
	05/12/05	6.02	2.98	47	194.5	2.98	19.1	44.5	53.8	0.075	7.63	17	0.15			0.0125		0.691	0.0155	3.53	0.00125	0.00125	0.17		0.0155
	08/20/05	6.19	4.80	39	34	4.80	19.1	65	31.3	0.075	5.13	20	0.097			0.014		0.571	0.0155	3.9	0.00125	0.0056	0.68		0.0155
	11/06/05	6.11	3.14	49	293	3.14	16.9	55	32.5	0.15	5.75	21.5	0.135			0.016		0.625	0.034	3.83	0.00125	0.00125	0.10		0.0155
	03/12/06						19.6	48.0	27.5	0.075	6.50	22.0	0.185			0.0060		0.634	0.0155	4.79	0.00125	0.00125	0.155		0.0500
	05/23/06	5.37	3.35	46	295.9	3.35	18.2	48.0	40.0	0.075	7.75	20.0	0.526			0.0120		0.720	0.0370	4.09	0.00125	0.00125	0.155		0.0500
	08/20/06	6.12	3.95	45	196.9	3.95																			
	10/29/06	6.76	3.30	47	240.6	3.30	16.5	43.0	46.3	0.075	9.50	21.0	0.198	0.0155	0.189	0.0150	0.05	0.546	0.0155	3.63	0.00075	0.00075	0.155		0.117
	03/18/07	6.08	1.88	27	211.3	1.88																			
	05/14/07	6.15	2.64	28	163.0	2.64	18.4	50.0	38.8	0.075	1.57	21.5	0.213			0.0097		0.725	0.0350	4.04	0.00075	0.00075	0.155		0.0500
	08/23/07	6.20	3.51	28	136.5	3.51	19.0	50.0	35.0	0.075	6.25	17.8	0.121			0.0037		0.485	0.0155	3.66	0.00075	0.00075	0.155		0.0155
	11/15/07	6.08	2.63	45	271.0	2.63	18.0	50.0	27.5	0.150	7.50	18.2	0.101			0.0186		0.566	0.0155	3.86	0.00250	0.00075	0.155		0.113
	03/22/08	6.15	2.38	49	104.8	2.38																			
	03/23/08						18.8	55.0	40.0	0.075	6.02	20.8	0.155			0.0770		0.560	0.0155	4.25	0.00300	0.00075	0.155		0.0986
	05/19/08	6.43	2.71	48	181.9	2.71	18.2	49.0	38.8	0.075	3.68	20.5	0.223			0.0048		0.489	0.0155	3.02	0.00250	0.00250	0.155	0.250	0.0155
	08/25/08	11.01	3.34	47	133.0	3.34	17.8	50.0	38.8	0.211	4.78	20.5	0.151			0.0136		0.331	0.0155	3.91	0.00075	0.00075	0.155	0.250	0.0500
	10/17/08	5.62	2.88	50	166.8	2.88	19.5	51.7	27.5	0.076	3.64	20.6	0.218			0.0061		0.520	0.0155	3.20	0.00075	0.00075	0.155	0.075	0.0155
	Mean	6.42	3.11	43	193.7	3	18.4	50.9	38.4	0.102	6.10	20.2	0.183	0.0155	0.189	0.0184	0.0500	0.601	0.0195	3.92	0.00137	0.00139	0.177	0.192	0.0435
	Median	6.14	3.06	47	194.5	3	18.4	50.0	38.8	0.075	6.25	20.5	0.155	0.0155	0.189	0.0136	0.0500	0.571	0.0155	3.90	0.00125	0.00125	0.155	0.250	0.0155
	St. Deviation	1.26	0.7	8	75.1	1	1	5.8	8.7	0.049	2.1	1.4	0.103	NA	NA	0.0197	NA	0.126	0.0082	0.51	0.00072	0.00125	0.143	0.101	0.0375
	# of values	16	16	16	15	16	15	15	15	15	15	15	15	1	1	15	1	15	15	15	15	15	15	3	15
	Minimum	5.37	1.88	27	34	1.88	16.5	43.0	27.5	0.075	1.57	17	0.097	0.0155	0.189	0.0037	0.0500	0.331	0.0155	3.02	0.00075	0.00075	0.0295	0.075	0.0155
	Maximum	11.01	4.80	53	295.9	4.80	20.1	65	55.0	0.211	9.50	22.0	0.526	0.0155	0.189	0.0770	0.0500	0.841	0.0370	4.91	0.00300	0.0056	0.68	0.250	0.117
	% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	87%	7%	0%	7%	100%	0%	7%	100%	0%	80%	0%	93%	93%	73%	100%	80%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	2	8	0	1	0	0	7	0	0	3	0	1	0	4	0	1
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	3.09
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	% of CALC exceedences	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%
	% of DWS exceedences	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW10D																									
	Sample Date																								
	08/20/06						19.0	45.5	56.3	0.075	9.00	16.0	0.134	0.0155	0.134	0.0050	0.05	0.605	0.0430	3.70	0.00075	0.00075	0.155		0.0155
	03/18/07						18.0	45.0	30.0	0.075	8.00	20.0	0.119	0.0155	0.121	0.0140	0.0155	0.598	0.0155	4.12	0.00075	0.00075	0.155		0.0155
	Mean	NA	NA	NA	NA	NA	19.0	45.0	43.2	0.075	8.50	18.0	0.127	0.0155	0.128	0.0095	0.0328	0.602	0.029	3.90	0.00075	0.00075	0.155	NA	0.0155
	Median	NA	NA	NA	NA	NA	19.0	45.0	43.2	0.075	8.50	18.0	0.127	0.0155	0.128	0.0095	0.0328	0.602	0.029	3.90	0.00075	0.00075	0.155	NA	0.0155
	St. Deviation	NA	NA	NA	NA	NA	1.0	0	18.6	0	0.70	2.8	0.011	0	0.009	0.0064	0.0244	0.005	0.019	0.30	0	0	0	NA	0
	# of values	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	2
	Minimum	NA	NA	NA	NA	NA	18.0	45.0	30.0	0.075	8.00	16.0	0.119	0.0155	0.121	0.0050	0.0155	0.598	0.0155	3.70	0.00075	0.00075	0.155	NA	0.0155
	Maximum	NA	NA	NA	NA	NA	19.0	45.5	56.3	0.075	9.00	20.0	0.134	0.0155	0.134	0.0140	0.0500	0.605	0.0430	4.12	0.00075	0.00075	0.155	NA	0.0155
	% of values undetected						0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	100%	0%	50%	0%	100%	100%	100%		100%
	# of values between MDL and MRL						0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0	0		0
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	
	Drinking Water Standards (DWS)[2]		NA	NA	NA	NA	NA	NA	NA	500	NA	NA	10	NA	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	% of CALC exceedences		NA	NA	NA	NA	NA	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%
	% of DWS exceedences		NA	NA	NA	NA	NA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	#DIV/0!	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10																												
Sample Date																												
10/21/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.25**	1.24	1.36	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	5510	5720	0.335	0.401	**0.05**	**0.05**	0.46	0.607	**3.1**	**3.1**	**0.05**	**0.137**
03/20/05	1.96	0.817	0.0216	0.0208	0.395	0.359	1.55	1.48	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.62	1.56	**0.003095**	**0.003095**	6200	5020	0.263	**0.17**	**0.0136**	**0.0142**	6.02	0.353	**1.325**	**1.325**	**0.011**	**0.0344**
05/12/05	12.3	2.28	**0.01**	0.0279	0.325	0.384	1.21	1.37	**0.001495**	**0.001495**	**0.003835**	**0.003835**	2.95	2.33	**0.003095**	**0.03565**	6320	4890	0.282	**0.03565**	**0.0101**	**0.0134**	0.716	0.292	**7.68**	**1.325**	0.106	**0.035**
08/20/05	7.85	**1**	1.04	0.0262	0.899	0.633	1.83	1.24	0.479	**0.0075**	0.717	**0.00155**	**1.55**	**5**	0.204	**0.00775**	6050	5830	1.4	0.283	0.329	0.0392	11	1.32	**10.5**	**3.1**	0.908	0.122
11/06/05	4.08	**1**	0.013	**0.005**	**0.25**	**0.125**	1.45	1.2	**0.0075**	**0.0075**	**0.005**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	5350	5760	0.504	0.317	0.0288	0.0184	0.533	0.443	**3.1**	**3.1**	**0.05**	0.119
03/12/06	4.53	**1.00**	0.108	**0.0278**	**0.439**	**0.352**	1.47	1.49	**0.0120**	**0.0120**	0.157	0.0756	**4.13**	**2.50**	**0.0125**	**0.0125**	6090	6060	1.08	0.833	0.0336	**0.0156**	0.490	0.489	**10.0**	**10.0**	0.125	
05/23/06	2.20	**1.00**	**0.0228**	**0.0262**	**0.155**	**0.155**	1.28	1.29	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**1.72**	**0.0125**	**0.0125**	5730	5690	0.459	0.360	0.0230	0.0218	0.406	0.406	**3.10**	**3.10**	**0.0130**	
08/20/06																												
10/29/06	2.56	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.450**	1.23	1.26	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5350	6050	**0.050**	**0.050**	**0.0158**	**0.0198**	0.484	0.479	**10.0**	**10.0**	**0.0155**	**0.0500**
03/18/07																												
05/14/07	2.03	**1.00**	**0.0348**	**0.0224**	**0.155**	**0.155**	1.32	1.23	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5780	5560	0.412	0.311	**0.0100**	**0.0100**	0.407	0.393	**10.0**	**10.0**	**0.0155**	**0.0500**
08/23/07	2.11	**1.00**	**0.0174**	**0.0234**	**0.155**	**0.155**	1.33	1.42	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6090	6370	0.570	0.269	**0.0144**	**0.0144**	0.422	0.489	**10.0**	**3.10**	**0.0500**	**0.0500**
11/15/07	**1.00**	**1.00**	0.0604	**0.0222**	**0.155**	**0.155**	1.41	1.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5770	6390	0.358	0.408	**0.0144**	**0.0050**	0.392	0.382	**17.0**	**7.18**	**0.0155**	**0.0155**
03/22/08																												
03/23/08	3.10	**1.25**	**0.0188**	**0.0221**	**0.323**	**0.333**	1.35	1.25	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5820	5750	0.431	0.352	**0.0115**	**0.0140**	0.396	0.387	21.0	**19.3**	**0.0155**	**0.0155**
05/19/08	3.84	**1.00**	**0.0157**	**0.0153**	**0.425**	**0.467**	1.26	1.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5780	5660	0.537	0.308	**0.0131**	**0.012**	0.36	0.345	20.5	**17.3**	**0.0155**	**0.0155**
08/25/08	**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.21	1.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5640	5620	0.306	0.224	**0.0050**	**0.0103**	0.346	0.359	**19.9**	21.4	**0.0155**	**0.0155**
10/17/08	2.28	**1.30**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.31	1.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6150	5780	0.437	0.308	**0.0151**	**0.0143**	0.42	0.411	**17.0**	**15.7**	**0.0155**	**0.0155**
Mean	4.22	1.88	0.0949	0.0200	0.284	0.286	1.36	1.31	0.0414	0.0100	0.1136	0.0603	1.61	1.75	0.0220	0.0089	5840	5740	0.495	0.309	0.0392	0.0182	1.52	0.477	11	8.6	0.0948	0.0519
Median	2.56	1.00	0.0188	0.0222	0.155	0.250	1.32	1.26	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5780	5750	0.431	0.308	0.0144	0.0143	0.422	0.406	10	7.18	0.0155	0.0350
St. Deviation	3.72	2.96	0.263	0.0096	0.204	0.154	0.16	0.1	0.121	0.004	0.255	0.192	0.84	0.98	0.0505	0.0042	300	410	0.334	0.183	0.081	0.0117	2.99	0.245	7	6.9	0.228	0.0446
# of values	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	13
Minimum	1	0.817	0.0075	0.005	0.125	0.125	1.21	1.2	0.001495	0.001495	0.003835	0.00155	0.75	1.25	0.003095	0.003095	5350	4890	0.05	0.03565	0.005	0.005	0.346	0.292	1.325	1.325	0.011	0.0155
Maximum	12.5	12.5	1.04	0.0385	0.899	0.633	1.83	1.49	0.479	0.0125	0.75	0.75	4.13	5	0.204	0.0185	6320	6390	1.4	0.833	0.329	0.05	11	1.32	21	21.4	0.908	0.137
% of values undetected	20%	73%	33%	33%	60%	53%	0%	0%	93%	100%	87%	93%	80%	80%	93%	100%	0%	0%	7%	13%	20%	20%	0%	0%	53%	67%	80%	69%
# of values between MDL and MRL	0	2	5	7	3	4	0	0	0	0	0	0	1	1	0	0	0	0	0	1	8	9	0	0	5	4	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.072	0.071	NA	NA	10.98	10.56276	NA	NA	2.030	1.948	1000	1000	0.328	0.345
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	13%	0%	0%	0%	7%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW10D																												
Sample Date																												
08/20/06	**1.00**	**1.00**	**0.0262**	**0.0208**	**0.348**	0.552	1.33	1.37	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5990	5800	0.545	0.356	0.0280	0.0310	1.06	0.501	**3.10**	**3.10**	0.205	0.105
03/18/07	3.45	**1.00**	**0.0250**	**0.0250**	**0.318**	**0.346**	1.23	1.21	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5680	5720	0.303	**0.100**	**0.0100**	**0.0100**	0.394	0.377	**3.10**	**3.10**	**0.050**	**0.050**
Mean	2.2	1.00	0.026	0.023	0.333	0.449	1.28	1.29	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	5840	5760	0.424	0.23	0.0200	0.0200	0.73	0.439	3.10	3.10	0.130	0.080
Median	2.2	1.00	0.026	0.023	0.333	0.449	1.28	1.29	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0130	0.0130	5840	5760	0.424	0.23	0.0200	0.0200	0.73	0.439	3.10	3.10	0.130	0.080
St. Deviation	1.7	0	0.001	0.003	0.021	0.146	0.07	0.11	0	0	0	0	0	0	0.0078	0.0078	220	60	0.171	0.18	0.0100	0.0100	0.47	0.088	0	0	0.110	0.040
# of values	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum	1.00	1.00	0.025	0.0208	0.318	0.346	1.23	1.21	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5680	5720	0.303	0.100	0.0100	0.0100	0.394	0.377	3.10	3.10	0.050	0.050
Maximum	3.45	1.00	0.0262	0.025	0.348	0.552	1.33	1.37	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5990	5800	0.545	0.356	0.028	0.031	1.06	0.501	3.10	3.10	0.205	0.105
% of values undetected	50%	100%	50%	50%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	50%	50%	50%	0%	0%	100%	100%	50%	50%
# of values between MDL and MRL	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.076	0.075	NA	NA	10.98	10.56276	NA	NA	2.160	2.074	1000	1000	0.360	0.374
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10																													
Sample Date																													
10/21/04		821	919	**0.5**	**0.5**	**0.1**	**0.1**	**0.155**	**0.155**	0.394	0.509	569	610	**0.155**	**0.155**	6110	**0.0031**	**0.0031**	2100	2250	**0.0125**	**0.0125**	**0.155**	**0.155**	0.431	0.548	**0.235**	1.88
03/20/05		1110	890	0.138	0.117	**0.0315**	**0.0315**	0.614	0.256	0.295	0.16	573	545	0.13	0.126	5300	**0.001435**	**0.001435**	2180	1710	**0.005**	**0.002125**	**0.0302**	**0.0302**	0.566	0.522	2.06	**0.2345**
05/12/05		816	878	0.204	0.129	**0.0315**	**0.0315**	0.135	0.179	0.112	0.201	507	547	0.112	0.109	5890	**0.001435**	**0.001435**	2180	1750	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.498	0.476	**0.2345**	**0.2345**
08/20/05		962	965	3.51	**0.1**	**0.031**	**0.031**	0.859	0.223	1.14	1.11	722	585	**0.286**	**0.0775**	6440	0.0274	**0.0031**	2270	2250	0.0844	**0.0066**	0.681	**0.031**	1.27	0.469	4.38	**0.75**
11/06/05		858	915	**0.1**	**0.1**	**0.031**	**0.031**	0.187	0.0788	0.475	0.443	533	575	**0.0775**	**0.0775**	7020	**0.0031**	**0.0031**	1980	2170	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.2**	0.679	**0.75**	1.67
03/12/06		1060	1100	0.272	0.105	**0.000475**	**0.000475**	0.684	0.133	0.366	0.354	595	612	**0.329**	**0.155**	6780	**0.00310**	**0.00310**	2370	2470	0.0202	**0.00250**	0.240	**0.0155**	**0.250**	**0.336**	2.69	3.12
05/23/06		937	940	0.331	0.101	**0.000475**	**0.000475**	0.128	0.104	0.298	0.353	568	565	**0.155**	**0.155**	6190	**0.00310**	**0.00310**	2150	2210	**0.00250**	**0.00250**	**0.0155**	**0.0155**	0.608	**0.482**	0.564	
08/20/06																													
10/29/06		761	856	0.135	0.0726	**0.000475**	**0.000475**	0.180	0.159	0.294	0.420	513	587	**0.155**	**0.155**	5530	**0.00310**	**0.00310**	1760	1980	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.679**	1.05	**0.500**	**0.500**
03/18/07																													
05/14/07		971	950	0.0792	0.0946	**0.000169**	**0.000475**	0.173	0.152	0.391	0.285	554	523	**0.155**	**0.155**	5720	**0.00310**	**0.00310**	2160	2120	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/23/07		920	945	0.0892	0.100	**0.000169**	**0.000475**	0.159	0.182	0.224	0.232	581	613	**0.155**	**0.155**	6350	**0.00310**	**0.00310**	2130	2340	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.410**	**0.155**	1.39	1.04
11/15/07		877	994	0.135	**0.0250**	**0.000169**	**0.000971**	0.173	0.184	0.342	0.269	581	641	**0.155**	**0.155**	7030	**0.00310**	**0.00310**	2020		**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.563**	**0.441**	**0.500**	
03/22/08																													
03/23/08		1030	944	0.0954	**0.0483**	**0.000750**	**0.000750**	0.159	0.158	0.318	0.297	560	544	**0.155**	**0.155**	5950	**0.00310**	**0.00310**	2310	2180	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.357**	**0.483**	**0.758**	**0.529**
05/19/08		920	902	0.132	0.0641	**0.000750**	**0.000750**	0.168	0.164	0.336	0.256	543	530	**0.155**	**0.155**	6250	**0.00310**	**0.00310**	2110	2020	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.391**	**0.368**	**0.500**	**0.500**
08/25/08		912	908	0.0703	0.0800	**0.000750**	**0.000750**	0.160	0.163	0.212		568	562	**0.360**	**0.155**	6100	**0.00310**	**0.00310**	2110	2100	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.386**	**0.466**	**0.500**	**0.500**
10/17/08		996	928	0.0711	0.0559	**0.000750**	**0.00159**	0.156	0.126	0.305	0.354	596	564	**0.155**	**0.155**	6160	**0.00310**	**0.00310**	2300	2170	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.458**	**0.453**	1.28	1.96
Mean		930	936	0.391	0.113	0.0153	0.0155	0.273	0.161	0.367	0.375	571	574	0.179	0.14	6190	0.00450	0.00288	2140	2120	0.0113	0.00476	0.106	0.0472	0.481	0.472	1.12	1.03
Median		920	928	0.135	0.100	0.00075	0.00075	0.168	0.159	0.318	0.325	568	565	0.155	0.155	6160	0.00310	0.00310	2150	2170	0.0050	0.00500	0.050	0.0500	0.431	0.469	0.564	0.529
St. Deviation		96	57	0.871	0.111	0.0272	0.0271	0.236	0.043	0.230	0.232	50	34	0.080	0.029	500	0.00636	0.00059	150	210	0.0207	0.00254	0.169	0.0325	0.263	0.210	1.14	0.870
# of values		15	15	15	15	15	15	15	15	15	14	15	15	15	15	15	15	15	15	14	15	15	15	15	15	15	15	13
Minimum		761	856	0.0703	0.025	0.000169	0.0004745	0.128	0.0788	0.112	0.16	507	523	0.0775	0.0775	5300	0.001435	0.001435	1760	1710	0.002125	0.002125	0.0155	0.0155	0.155	0.155	0.2345	0.2345
Maximum		1110	1100	3.51	0.5	0.1	0.1	0.859	0.256	1.14	1.11	722	641	0.36	0.155	7030	0.0274	0.00310	2370	2470	0.0844	0.0125	0.681	0.155	1.27	1.05	4.38	3.12
% of values undetected		0%	0%	13%	27%	100%	87%	7%	7%	0%	0%	0%	0%	67%	87%	0%	93%	100%	0%	0%	87%	93%	87%	100%	20%	13%	53%	54%
# of values between MDL and MRL		0	0	0	1	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	7	7	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	11.52	11.49	NA	NA	5	4.6	NA	0.1883832	0.160	NA	NA	NA	NA	NA	NA	NA	NA	26.40	26.04
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	33%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW10D																													
Sample Date																													
08/20/06		982	968	0.108	0.0992	**0.000475**	**0.000475**	0.116	0.148	0.296	0.356	568	577	**0.155**	**0.155**	6140	**0.00310**	**0.00310**	2200	2170	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.538**	**0.250**	**0.500**	1.69
03/18/07		930	940	0.152	0.0622	**0.00215**	**0.000475**	0.165	0.173	0.314	0.247	561	554	**0.155**	**0.155**	6060	**0.00310**	**0.00310**	2110	2120	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.595**	**0.697**	1.61	1.22
Mean		956	954	0.130	0.0807	0.001312	0.0004745	0.141	0.161	0.305	0.302	565	566	0.155	0.155	6100	0.00310	0.00310	2160	2150	0.00500	0.00500	0.0500	0.0500	0.567	0.47	1.1	1.46
Median		956	954	0.130	0.0807	0.001312	0.0004745	0.141	0.161	0.305	0.302	565	566	0.155	0.155	6100	0.00310	0.00310	2160	2150	0.00500	0.00500	0.0500	0.0500	0.567	0.47	1.1	1.46
St. Deviation		37	20	0.031	0.0262	0.001185	0	0.035	0.018	0.013	0.077	5	16	0	0	60	0	0	60	40	0	0	0	0	0.04	0.32	0.8	0.33
# of values		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Minimum		930	940	0.108	0.0622	0.0004745	0.0004745	0.116	0.148	0.296	0.247	561	554	0.155	0.155	6060	0.00310	0.00310	2110	2120	0.00500	0.00500	0.0500	0.0500	0.538	0.250	0.500	1.22
Maximum		982	968	0.152	0.0992	0.00215	0.0004745	0.165	0.173	0.314	0.356	568	577	0.155	0.155	6140	0.00310	0.00310	2200	2170	0.00500	0.00500	0.0500	0.0500	0.595	0.697	1.61	1.69
% of values undetected		0%	0%	0%	0%	50%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	0%	50%	50%	0%
# of values between MDL and MRL		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	12.26	12.22	NA	NA	5	4.6	NA	0.2135703	0.182	NA	NA	NA	NA	NA	NA	NA	NA	28.09	27.70
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-11D																									
	Sample Date																								
	10/21/04	6.46	4.65	55	244	4.65	18.8	60	32.5	0.316	9.50	16.5	**0.155**			0.04		1.04	**0.0155**	6.97	**0.00125**	**0.00125**	0.14		**0.0155**
	03/21/05	6.18	4.95	44		4.95	21.2	60	53.8	**0.075**	16.5	17	0.25			0.0971		0.758	**0.0155**	7.69	**0.00125**	**0.00125**	0.12		**0.0155**
	05/13/05	5.94	5.33	54	180	5.33	22.8	60	35.0	**0.075**	13.4	16	0.27			0.029		0.731	**0.0155**	6.6	**0.00125**	**0.00125**	0.21		**0.0155**
	08/16/05	5.86	5.61	56	173	5.61	20.5	60	40.0	**0.147**	7.13	16.5	0.225			0.016		0.724	**0.0155**	6.6	**0.00125**	**0.00125**	0.29		**0.0155**
	11/10/05	5.96	4.14	53	254	4.14	19.5	50	56.3	**0.075**	10.6	16	0.257			0.020		0.726	**0.0155**	6.81	**0.00125**	**0.00125**	0.11		0.061
	03/22/06	6.53	4.32	52	247.0	4.32	19.9	60.0	23.7	**0.075**	11.5	20.0	0.214			0.0130		0.694	**0.0155**	7.07	**0.00125**	**0.00125**	**0.155**		**0.0155**
	05/21/06	6.09	4.82	56	256.0	4.82	21.7	60.0	58.7	**0.075**	5.50	22.0	0.861			0.0115		0.697	**0.0155**	6.61	0.00270	**0.00125**	**0.155**		**0.0500**
	08/21/06	6.15	5.36	50	174.7	5.36	21.1	50.0	55.0	**0.250**	12.3	16.0	0.271	**0.0155**	0.243	0.0220	**0.05**	0.720	0.0520	6.55	**0.00075**	**0.00075**	**0.155**		**0.0155**
	11/01/06	6.52	4.50	62	309.4	4.50	18.9	50.0	42.5	**0.075**	13.5	16.0	0.300	**0.0155**	0.293	0.0160		0.761	**0.0155**	6.08	**0.00075**	**0.00075**	**0.155**		0.0766
	03/22/07	6.00	4.22	28	203.2	4.22	20.7	50.0	51.3	**0.075**	7.00	20.0	0.210	**0.0155**	0.192	0.0460	**0.0155**	0.752	0.0340	6.21	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/10/07	6.10	4.84	33	91.7	4.84	21.4	55.0	37.5	**0.075**	**1.57**	22.5	0.284			0.0127		0.765	0.0370	6.07	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/21/07	5.96	5.40	34	174.5	5.40	19.6	55.0	41.3	**0.075**	12.5	20.0	0.235			0.0101		0.648	**0.0155**	5.73	**0.00075**	**0.00075**	**0.155**		0.0635
	11/11/07	6.22	4.55	44	250.7	4.55	20.8	50.0	**1.55**	**0.076**	8.00	15.8	0.244			0.0204		0.608	**0.0155**	5.93	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/20/08	6.65	4.39	46	150.6	4.39	7.37	54.1	36.3	1.96	9.56	17.3	0.220			0.0289		0.607	**0.0155**	6.03	**0.00075**	0.00290	**0.155**		**0.0155**
	05/18/08	6.01	4.53	52	200.2	4.53	19.1	51.6	32.5	0.800	4.02	16.6	0.215			0.0214		0.617	**0.0155**	6.06	**0.00250**	**0.00075**	**0.155**	**0.075**	**0.0155**
	08/24/08	6.30	5.34	29	218.5	5.34	18.2	52.6	43.8	**0.076**	8.86	16.8	0.0528			0.0179		0.484	0.033	7.02	**0.00250**	**0.00250**	**0.155**	**0.250**	**0.0500**
	10/22/08	6.09	3.88	50	134.3	3.88	19.6	55.0	33.8	**0.0775**	6.20	16.6	0.221			0.0089		0.722	0.048	5.39	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
	Mean	6.18	4.75	47	203.9	5	19.5	54.9	39.7	0.258	9.27	17.7	0.264	0.0155	0.243	0.0253	0.0328	0.709	0.0229	6.44	0.00125	0.00119	0.161	0.133	0.0307
	Median	6.10	4.65	50	201.7	4.65	19.9	55.0	40	0.075	9.50	16.6	0.235	0.0155	0.243	0.0200	0.0328	0.722	0.0155	6.55	0.00125	0.00125	0.155	0.075	0.0155
	St. Deviation	0.24	0.51	10	55.2	1	3.3	4.3	14	0.475	3.84	2.2	0.164	0	0.051	0.0211	0.0244	0.113	0.0126	0.58	0.00067	0.00062	0.039	0.101	0.0220
	# of values	17	17	17	16	17	17	17	17	17	17	17	17	3	3	17	2	17	17	17	17	17	17	3	17
	Minimum	5.86	3.88	28	91.7	3.88	7.37	50.0	1.55	0.075	1.57	15.8	0.0528	0.0155	0.192	0.0089	0.0155	0.484	0.0155	5.39	0.00075	0.00075	0.11	0.075	0.0155
	Maximum	6.65	5.61	62	309.4	5.61	22.8	60.0	58.7	1.96	16.5	22.5	0.861	0.0155	0.293	0.0971	0.050	1.04	0.052	7.69	0.00270	0.00290	0.29	0.250	0.0766
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	6%	82%	6%	0%	6%	100%	0%	0%	100%	0%	71%	0%	94%	94%	71%	100%	82%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	2	7	0	0	0	0	3	0	0	5	0	1	1	5	0	3
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.61
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-11M																									
	Sample Date																								
	10/21/04	6.34	4.47	49	250	4.47	15.5	44	37.5	**0.075**	12.0	**5**	**0.155**			**0.0155**		0.84	**0.0155**	6.28	0.003	**0.00125**	0.15		**0.0155**
	03/21/05	5.88	4.44	40		4.44	18.3	44	37.5	**0.075**	6.50	15	0.15			0.0471		0.779	**0.0155**	6.29	**0.00125**	**0.00125**	0.082		**0.0155**
	05/13/05	5.76	5.18	47	176	5.18	20.1	48	35.0	**0.075**	14.0	14	0.34			0.197		0.804	**0.0155**	5.88	**0.00125**	**0.00125**	0.22		**0.0155**
	08/16/05	5.78	5.77	46	149	5.77	16.5	43	38.8	**0.150**	7.75	13.5	0.286			0.013		0.732	**0.0155**	5.71	**0.00125**	0.003	0.24		0.043
	11/11/05	5.84	3.82	44	230	3.82	14.6	44	40.0	**0.075**	8.13	12.5	0.239			0.014		0.65	**0.0155**	5.76	**0.00125**	**0.00125**	0.13		**0.0155**
	03/22/06	6.52	4.20	44	271.0	4.20	16.7	20.0	36.2	**0.075**	11.5	13.0	0.131			0.0080		0.675	**0.0155**	5.74	**0.00125**	**0.00125**	**0.155**		**0.0155**
	05/21/06	5.81	4.80	46	262.6	4.80	17.9	46.0	45.0	**0.075**	7.75	14.0	0.829			0.0065		0.666	**0.0155**	5.56	**0.00125**	**0.00125**	**0.155**		**0.0155**
	08/21/06	6.10	5.72	44	198.1	5.72	17.2	46.0	47.5	**0.075**	7.50	13.0	0.253	**0.0500**	0.212	0.0050	**0.05**	0.898	0.0380	6.03	**0.00075**	**0.00075**	**0.155**		**0.0155**
	11/01/06	6.54	4.43	51	312.8	4.43	15.1	42.5	26.3	**0.075**	12.3	12.0	0.204	**0.0155**	0.200	0.0170		0.745	**0.0155**	5.08	**0.00075**	**0.00075**	**0.155**		0.0560
	03/22/07	5.87	3.57	23	192.5	3.57	15.9	41.0	40.0	0.400	6.00	14.0	0.167	**0.0155**	0.150	0.0170	**0.05**	0.808	0.0340	4.80	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/10/07	5.85	4.73	25	129.1	4.73	15.2	44.0	28.7	**0.075**	6.00	13.0	0.187			0.0086		0.788	0.0350	4.74	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/21/07	5.82	5.39	27	156.6	5.39	15.5	46.0	36.3	**0.075**	6.00	**1.55**	0.244			0.0042		0.656	**0.0155**	4.89	**0.00075**	**0.00075**	**0.155**		0.0698
	11/11/07	6.19	4.26	37	230.4	4.26	17.2	43.5	38.8	**0.076**	8.75	13.1	0.213			0.0182		0.579	**0.0155**	5.19	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/19/08	6.99	3.91	39	182.1	3.91	15.9	44.5	30.0	**0.0765**	5.42	14.1	0.208			0.0104		0.673	**0.0155**	4.83	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/18/08	5.82	4.31	45	215.7	4.31	15.7	44.2	35.0	**0.075**	4.52	13.9	0.252			0.0107		0.694	**0.0155**	4.93	**0.00250**	**0.00075**	**0.155**	**0.075**	**0.0155**
	08/24/08	6.10	5.08	39	180.5	5.08	14.2	43.1	37.5	**0.0765**	8.64	13.2	0.244			0.0129		0.677	**0.0155**	5.13	**0.00250**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/22/08	5.69	3.27	40	158.0	3.27	14.0	44.0	30.0	**0.1875**	5.36	13.2	0.217			0.0093		0.646	0.0370	4.47	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
	Mean	6.05	4.55	40	205.9	5	16.2	42.8	36.5	0.105	8.12	12.2	0.254	0.0270	0.187	0.0244	0.05	0.724	0.0203	5.37	0.00126	0.00106	0.158	0.133	0.0268
	Median	5.87	4.44	44	195.3	4.44	15.9	44.0	37.5	0.075	7.75	13.2	0.217	0.0155	0.200	0.0129	0.0500	0.694	0.0155	5.19	0.00125	0.00075	0.155	0.075	0.0155
	St. Deviation	0.36	0.71	8	50.5	1	1.6	6.1	5.5	0.082	2.78	3.5	0.157	0.0199	0.033	0.0455	0	0.084	0.0090	0.57	0.00072	0.00056	0.033	0.101	0.0187
	# of values	17	17	17	16	17	17	17	17	17	17	17	17	3	3	17	2	17	17	17	17	17	17	3	17
	Minimum	5.69	3.27	23	129.1	3.27	14.0	20.0	26.3	0.075	4.52	1.55	0.131	0.0155	0.150	0.0042	0.0500	0.579	0.0155	4.47	0.00075	0.00075	0.082	0.075	0.0155
	Maximum	6.99	5.77	51	312.8	5.77	20.1	48	47.5	0.400	14.0	15	0.829	0.0500	0.212	0.197	0.050	0.898	0.0380	6.29	0.003	0.003	0.24	0.250	0.0698
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	94%	0%	6%	6%	100%	0%	6%	100%	0%	76%	0%	94%	94%	71%	100%	82%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	1	9	1	0	0	0	8	0	0	4	0	1	1	5	0	3
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.53
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-11D																												
Sample Date																												
10/21/04	**12.5**	**12.5**	**0.0385**	**0.0385**	**0.25**	**0.25**	1.97	1.96	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	5620	5490	0.544	**0.157**	**0.05**	**0.05**	**0.1**	**0.1**	**10**	**3.1**	**0.05**	**0.05**
03/21/05	1.91	0.85	0.027	0.0272	0.282	0.27	2.23	2.21	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.59	1.47	**0.003095**	**0.003095**	6150	5090	1.06	0.255	**0.0156**	**0.0178**	0.181	0.115	**4.39**	**2.73**	**0.0228**	**0.0466**
05/13/05	10.4	1.9	0.0222	0.0335	0.272	0.294	1.9	2.18	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.51		**0.003095**	**0.003095**	6890	5270	0.798	**0.03565**	**0.00476**	**0.0102**	0.342	0.0822	**7.83**	**3.15**	0.156	**0.035**
08/16/05	6.63	3.08	**0.00155**		**0.25**	**0.125**	2.09	1.87	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**1.55**	**0.00775**	**0.00775**	6120	5760	1.51	**0.031**	0.0262	0.0354	0.323	0.209	32	**7.31**	**0.059**	0.109
11/10/05	2.83	**1**	0.031	0.022	**0.125**	**0.125**	1.99	1.88	**0.0075**	**0.0075**	0.0126	0.0122	**1.55**	**4.1**	**0.00775**	**0.00775**	5840	5810	0.908	0.452	0.0356	0.0246	0.224	0.227	**6.64**		**0.05**	**0.05**
03/22/06	**1.00**	**1.00**	**0.0278**	**0.0274**	**0.155**	**0.155**	2.22	2.32	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	6090	5610	0.923	0.431	0.0230	0.0222	0.221	0.297	**3.10**	**3.10**	**0.0130**	**0.0130**
05/21/06	**1.00**	**1.00**	**0.0358**	**0.0338**	**0.155**	**0.434**	2.05	2.15	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	6450	6610	1.13	0.668	0.0302	0.0336	0.221	0.193	**3.10**	**3.10**	**0.0130**	0.0642
08/21/06	5.14	3.48	0.0692	**0.0350**	**0.359**	**0.155**	2.12	2.19	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	6280	6220	0.630	0.375	0.0246	0.0248	1.39	0.377	**3.10**	**3.10**	0.162	
11/01/06	5.84	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	1.88	1.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5610	5540	**0.050**	**0.050**	**0.0065**	**0.0065**	0.179	0.163	**3.10**	**3.10**	**0.0155**	**0.0155**
03/22/07	2.83		**0.0250**	**0.0250**	**0.155**	**0.155**	2.07	2.12	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6100	6030	0.340	**0.100**	**0.0100**	0.0218	0.194		**3.10**	**10.0**	**0.0155**	**0.0500**
05/10/07	**1.00**	**1.00**	**0.0350**	**0.0316**	**0.326**	**0.356**	2.10	1.97	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	6270	5800	0.565	0.210	**0.0100**	**0.0100**	0.158	0.135	**3.10**	**3.10**	**0.0155**	**0.0155**
08/21/07	2.43	**1.00**	**0.0300**	**0.0312**	**0.155**	**0.342**	1.96	1.97	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5900	6120	0.467	0.384	**0.0126**	**0.0114**	0.156	0.140	**10.0**	**3.10**	**0.0500**	**0.0155**
11/11/07	7.71	**0.310**	**0.0272**	**0.0358**	**0.155**	**0.155**	2.07	1.88	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0158**	6300	5500	0.749	0.590	0.0290	**0.0158**	0.198	0.239	**11.4**	**7.49**	**0.0500**	**0.0155**
03/20/08	8.83	**0.981**	**0.0280**	**0.0278**	**0.155**	**0.155**	1.84	1.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5500	5690	0.608	0.324	**0.0188**	**0.0130**	3.05	0.312	37.3	21.1	**0.0624**	**0.0454**
05/18/08	**1.00**	**1.00**	**0.0186**	**0.0208**	**0.155**	**0.155**	1.84	1.83	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5750	5630	0.580	0.445	**0.0107**	**0.0102**	**0.050**	0.110	**14.5**	**15.7**	**0.0155**	**0.0155**
08/24/08	4.66	**1.00**	**0.0303**	**0.0306**	**0.155**	**0.155**	1.86	1.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5410	5500	0.791	0.638	**0.0139**	**0.0160**	0.213	0.263	24.1	20.3	**0.0973**	**0.0523**
10/22/08	3.28	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	2.20	1.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5740	5680	0.721	0.416	**0.0132**	**0.0133**	0.161	0.240	**17.0**	**18.2**	**0.0155**	**0.0155**
Mean	4.65	2.01	0.0282	0.0283	0.201	0.211	2.02	2.00	0.0103	0.0103	0.0517	0.0517	1.48	1.42	0.0094	0.0099	6000	5730	0.728	0.327	0.0197	0.0198	0.433	0.200	11.4	8.00	0.0508	0.0380
Median	3.28	1.00	0.0278	0.0292	0.155	0.155	2.05	1.96	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6090	5680	0.721	0.375	0.0156	0.016	0.198	0.201	7.83	3.10	0.0500	0.0402
St. Deviation	3.55	2.92	0.0141	0.0075	0.072	0.094	0.13	0.16	0.0038	0.0038	0.180	0.180	0.94	0.75	0.0046	0.0048	380	360	0.331	0.207	0.0119	0.0113	0.737	0.085	10.6	6.90	0.0472	0.0260
# of values	17	16	17	16	17	17	17	17	17	17	17	17	17	16	17	17	17	17	17	17	17	17	17	16	17	16	17	16
Minimum	1.00	0.31	0.00155	0.0075	0.125	0.125	1.84	1.80	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	5410	5090	0.05	0.031	0.00476	0.0065	0.050	0.0822	3.1	2.73	0.0130	0.0130
Maximum	12.5	12.5	0.0692	0.0385	0.359	0.434	2.23	2.32	0.0125	0.0125	0.75	0.75	5	4.1	0.0185	0.0185	6890	6610	1.51	0.668	0.05	0.05	3.05	0.377	37.3	21.1	0.162	0.109
% of values undetected	29%	69%	29%	25%	76%	71%	0%	0%	100%	100%	94%	94%	88%	88%	100%	94%	0%	0%	6%	24%	29%	18%	12%	6%	47%	50%	65%	69%
# of values between MDL and MRL	0	1	8	9	2	3	0	0	0	0	0	0	0	1	0	1	0	0	0	1	6	8	0	0	6	6	4	3
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.070	0.069	NA	NA	10.98	10.56276	NA	NA	1.952	1.874	1000	1000	0.310	0.327
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-11M																												
Sample Date																												
10/21/04	**12.5**	**12.5**	**0.0811**	**0.0385**	**0.125**	**0.125**	2.2	2.28	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	4630	4710	0.343	**0.109**	**0.05**	**0.05**	**0.1**	**0.1**	**3.1**	**3.1**	**0.05**	**0.05**
03/21/05	2.34	1.13	0.0292	0.0251	0.211	0.189	3	2.85	**0.00301**	**0.001495**	**0.003835**	**0.003835**	1.53	1.32	**0.003095**	**0.003095**	5370	4250	2.1	0.375	0.209	0.226	0.226	0.215	11.0	**5.64**	**0.0385**	**0.0592**
05/13/05	2.25	1.64	**0.01**	0.0202	0.202	0.201	2.47	2.8	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.37		**0.003095**	**0.003095**	6190	4760	1.4	0.374	**0.013**	**0.0111**	0.104	0.102	13.1	**4.08**	**0.011**	**0.011**
08/16/05	2.69	2.76	**0.00155**		**0.25**	**0.125**	2.5	2.54	**0.0075**	**0.0075**	**0.0046**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	4910	4680	1.76	**0.031**	0.0294	0.036	0.293	0.233	**12.8**	**3.1**	**0.0155**	**0.0756**
11/11/05	**1**	2.09	**0.005**	0.0182	**0.125**	**0.125**	2.1	2.39	**0.0075**	**0.0075**	**0.005**	**0.00155**	**1.55**	**4.5**	**0.00775**	**0.00775**	4390	4500	0.656	0.211	0.0204	0.0196	0.196	0.183	**3.1**	**3.1**	**0.0155**	**0.05**
03/22/06	3.22	3.06	**0.0298**	**0.0280**	**0.155**	**0.155**	2.80	2.69	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	5100	5280	0.757	0.282	0.0216	0.0202	0.221	0.212	**7.08**	**3.10**	0.229	**0.0250**
05/21/06	**1.00**	**1.00**	**0.0302**	**0.0266**	**0.427**	**0.155**	2.72	2.63	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	5390	5300	1.57	0.672	0.0368	0.0290	0.246	0.162	**10.5**	**3.10**	**0.0130**	**0.0348**
08/21/06	3.35	3.04	**0.0270**	**0.0260**	**0.155**	**0.311**	2.81	2.81	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5160	5560	0.851	0.447	0.0290	0.0234	0.162	0.173	**3.10**	**3.10**	0.101	
11/01/06	7.50	**1.00**	**0.0075**	**0.0075**	0.708	**0.437**	2.44	2.18	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4480	4430	**0.139**	**0.050**	**0.0198**	**0.0065**	0.184	0.115	**10.0**	**3.10**	**0.0155**	**0.0155**
03/22/07	24.9	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	2.87	2.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4720	4750	0.676	0.352	0.0248	**0.0100**	0.231	0.204	39.5	**3.10**	**0.0500**	**0.0155**
05/10/07	**1.00**	**1.00**	**0.0320**	**0.0312**	**0.155**	**0.155**	2.33	2.38	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4510	4590	0.554	**0.100**	**0.0100**	**0.0100**	0.218	0.139	**3.10**	**3.10**	**0.0500**	**0.0500**
08/21/07	**1.00**	**1.00**	**0.0260**	**0.0204**	**0.155**	**0.155**	2.57	2.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4780	4790	**0.050**	0.274	0.0416	**0.0120**	0.201	0.221	**3.10**	**3.10**	**0.0500**	**0.0500**
11/11/07	**1.00**	**0.310**	**0.0184**	**0.0268**	**0.155**	**0.155**	2.51	2.50	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5240	4950	0.318	0.479	0.0308	**0.0138**	0.159	0.109	**3.10**	**7.82**	**0.0155**	**0.0155**
03/19/08	**1.92**	**0.836**	**0.0294**	**0.0224**	**0.155**	**0.155**	2.47	2.23	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4900	4540	0.771	0.209	**0.0138**	**0.0100**	0.426	0.129	**19.4**	**15.3**	**0.0536**	**0.0155**
05/18/08	**1.00**	**1.00**	**0.0176**	**0.0155**	**0.155**	**0.155**	2.38	2.30	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4750	4710	0.532	0.300	**0.0050**	0.0244	0.115	0.116	**13.3**	**13.6**	0.191	**0.0155**
08/24/08	**1.00**	**1.00**	**0.0230**	**0.0244**	**0.155**	**0.155**	2.24	2.41	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4280	4450	0.330	0.370	**0.0050**	**0.0050**	0.263	0.208	**15.5**	**15.9**	**0.0155**	**0.0155**
10/22/08	**1.57**	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	2.16	2.20	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4210	4530	0.277	0.200	**0.0050**	**0.0101**	0.128	0.121	**11.0**	**12.5**	**0.0155**	**0.0155**
Mean	4.07	2.08	0.025	0.0238	0.212	0.180	2.50	2.47	0.0104	0.0103	0.0515	0.0511	1.27	1.43	0.0094	0.0094	4880	4750	0.770	0.284	0.0332	0.0300	0.204	0.161	11.0	6.2	0.0547	0.0321
Median	1.92	1.00	0.025	0.0250	0.155	0.155	2.47	2.40	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4780	4710	0.656	0.282	0.0216	0.0138	0.201	0.162	10.5	3.1	0.0385	0.0203
St. Deviation	6.14	2.81	0.017	0.0069	0.146	0.079	0.26	0.22	0.0036	0.0038	0.180	0.180	0.23	0.85	0.0046	0.0046	500	350	0.595	0.167	0.0471	0.0520	0.080	0.048	9.00	4.8	0.0634	0.0206
# of values	17	17	17	16	17	17	17	17	17	17	17	17	17	16	17	17	17	17	17	17	17	17	17	17	17	17	17	16
Minimum	1.00	0.31	0.00155	0.0075	0.125	0.125	2.1	2.18	0.001495	0.001495	0.003835	0.00155	0.75	0.75	0.003095	0.003095	4210	4250	0.050	0.031	0.005	0.005	0.1	0.1	3.10	3.10	0.011	0.011
Maximum	24.9	12.5	0.0811	0.0385	0.708	0.437	3	2.85	0.0125	0.0125	0.75	0.75	1.55	4.5	0.0185	0.0185	6190	5560	2.1	0.672	0.209	0.226	0.426	0.233	39.5	15.9	0.229	0.0756
% of values undetected	47%	59%	35%	25%	76%	76%	0%	0%	94%	100%	94%	100%	88%	88%	100%	100%	0%	0%	6%	18%	29%	29%	6%	6%	41%	59%	71%	81%
# of values between MDL and MRL	2	1	10	9	1	2	0	0	1	0	1	0	0	1	0	0	0	0	1	1	3	5	0	0	7	7	2	3
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.064	0.063	NA	NA	10.98	10.56276	NA	NA	1.756	1.685	1000	1000	0.264	0.284
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-11D																													
Sample Date																													
10/21/04		1160	1170	**0.5**	**0.25**	**0.031**	**0.031**	**0.155**	**0.155**	0.297	**0.1**	317	305	**0.155**	**0.155**	5180	**0.0031**	**0.0031**	2360	2410	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.2**	**0.235**	**0.235**
03/21/05		1410	1140	0.299	0.296	**0.0315**	**0.0315**	0.306	0.3	0.529	0.422	300	288	**0.0313**	**0.0312**	4700	**0.001435**	**0.001435**	2480	2000	**0.005**	**0.002125**	0.215	**0.0302**	0.277	0.225	**0.2345**	**0.584**
05/13/05		1370	1200	0.271	0.227	**0.0315**	**0.0315**	0.189	0.242	0.394	0.377	310	308	**0.0394**	**0.0401**	5190	**0.001435**	**0.001435**	2530	2040	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.236	0.243	**0.50**	**0.2345**
08/16/05		1270	1260	0.448	0.282	**0.031**	**0.031**	0.0292		0.702		346	312	**0.0775**	**0.0775**	6100	**0.0031**	**0.0031**	2640	2530	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.233**	**0.326**	**0.75**	**0.75**
11/10/05		1200	1200	0.292	0.319	**0.031**	**0.031**	0.212	0.158	0.562	0.495	326	328	**0.0775**	**0.0775**	5780	**0.0031**	**0.0031**	2560	2580	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	**0.75**	**0.75**
03/22/06		1140	1060	3.36	0.227	**0.000475**	**0.000475**	0.156	0.135	0.482	0.424	326	298	**0.155**	**0.155**	4820	**0.00310**	**0.00310**	2400	2180	**0.00250**	**0.00250**	**0.0500**	**0.0500**	**0.110**	**0.110**	0.859	1.09
05/21/06		1360	1390	0.217	0.258	**0.000475**	**0.00130**	0.166		0.529	0.501	343	352	**0.155**	**0.155**	5790	**0.00310**	**0.00310**	2850	3010	**0.00660**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.278**	**0.250**	
08/21/06		1310	1300	0.284	0.277	**0.000475**	**0.000475**	0.181	0.160	0.318	0.381	339	339	**0.155**	**0.155**	5640	**0.00310**	**0.00310**	2690	2690	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	2.05	
11/01/06		1190	1160	0.0888	0.0920	**0.000475**	**0.000475**	0.168	0.184	**0.100**	**0.100**	291	292	**0.155**	**0.155**	4960	**0.00310**	**0.00310**	2430	2380	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.821**	1.05	**0.155**	**0.155**
03/22/07		1320	1300	0.167		**0.000169**	**0.000475**	0.227	0.227	0.384		330	336	**0.155**	**0.155**	5410	**0.00310**	**0.00310**	2760	2730	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.85
05/10/07		1400	1290	0.196	0.148	**0.000169**	**0.000475**	0.309	0.272	0.471	0.392	332	314	**0.155**	**0.155**	5290	**0.00310**	**0.00310**	2900	2710	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/21/07		1190	1220	0.189	0.173	**0.000169**	**0.000475**	0.276	0.276	0.375	0.326	320	326	**0.155**	**0.155**	5850	**0.00310**	**0.00310**	2700	2750	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	13.4	1.57
11/11/07		1230	1070	0.168	0.144	**0.000169**	**0.000475**	0.279	0.232	0.356	0.211	346	310	**0.155**	**0.155**	5350	**0.00310**	**0.00310**	2810	2340	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.15	**0.500**
03/20/08		1140	1130	0.317	0.140	**0.000750**	**0.000750**	0.212	0.214	0.345	0.346	298	311	**0.155**	**0.155**	5480	**0.00310**	**0.00310**	2460	2460	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.746**	**0.949**
05/18/08		1140	1130	0.0876		**0.000750**	**0.000750**	0.225	0.231	0.228	0.263	306	304	**0.155**	**0.155**	5540	**0.00310**	**0.00310**	2480	2410	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.155**	**0.500**
08/24/08		1130	1140	0.232	0.212	**0.000750**	**0.000750**	0.222	0.242	0.317		305	303	**0.155**	**0.155**	5730	**0.00310**	**0.00310**	2430	2460	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
10/22/08		1270	1280	0.140	0.188	**0.000750**	**0.000750**	0.228	0.230	0.461	0.517	319	310	**0.155**	**0.155**	6080	**0.00310**	**0.00310**	2740	2780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
Mean		1250	1200	0.427	0.216	0.009504	0.009625	0.208	0.217	0.403	0.347	321	314	0.132	0.132	5460	0.00290	0.00290	2600	2500	0.00500	0.00459	0.0605	0.0496	0.206	0.237	1.37	0.711
Median		1230	1200	0.232	0.227	0.00075	0.00075	0.212	0.23	0.384	0.379	320	310	0.155	0.155	5480	0.00310	0.00310	2560	2460	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	0.500
St. Deviation		100	90	0.764	0.066	0.014438	0.014357	0.067	0.049	0.14	0.135	17	17	0.044	0.044	410	0.00055	0.00055	170	270	0.00224	0.00237	0.0492	0.0293	0.167	0.218	3.14	0.481
# of values		17	17	17	15	17	17	17	15	17	14	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	15
Minimum		1130	1060	0.0876	0.0920	0.000169	0.0004745	0.0292	0.135	0.100	0.100	291	288	0.0313	0.0312	4700	0.001435	0.001435	2360	2000	0.002125	0.002125	0.0155	0.0155	0.1	0.1	0.155	0.155
Maximum		1410	1390	3.36	0.319	0.0315	0.0315	0.309	0.3	0.702	0.517	346	352	0.155	0.155	6100	0.00310	0.00310	2900	3010	0.0125	0.0125	0.215	0.155	0.821	1.05	13.4	1.85
%of values undetected		0%	0%	6%	7%	100%	94%	6%	7%	6%	14%	0%	0%	88%	88%	0%	100%	100%	0%	0%	94%	100%	94%	100%	76%	71%	71%	67%
# of values between MDL and MRL		0	0	0	0	0	1	0	0	0	0	0	0	2	2	0	0	0	0	0	1	0	0	0	2	2	1	2
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	11.09	11.05	NA	NA	5	4.6	NA	0.1742096	0.148	NA	NA	NA	NA	NA	NA	NA	NA	25.41	25.05
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	29%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MW-11M																													
Sample Date																													
10/21/04		949	974	**0.25**	**0.25**	**0.031**	**0.031**	**0.155**	**0.155**	0.219	**0.1**	318	323	**0.155**	**0.155**	4500	**0.0031**	**0.0031**	2080	2150	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.235**
03/21/05		1190	953	0.595	0.523	**0.100**	**0.0315**	0.306	0.323	1.11	0.761	313	299	**0.054**	**0.0505**	4160	**0.001435**	**0.001435**	2150	1740	**0.005**	**0.002125**	**0.0302**	**0.0802**	0.103	0.0571	**0.708**	**0.965**
05/13/05		1130	1010	0.259	0.278	**0.0315**	**0.0315**	0.177	0.207	0.681	0.562	322	328	**0.0647**	**0.0551**	4770	**0.001435**	**0.001435**	2250	1780	**0.002125**	**0.00747**	**0.0302**	**0.0302**	0.0804	0.03	**0.2345**	**0.50**
08/16/05		1020	1010	0.289	0.247	**0.031**	**0.031**	**0.01**		0.792	0.733	341	332	**0.0775**	**0.0775**	5240	**0.0031**	**0.0031**	2240	2230	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.335**	**0.75**	**0.2325**
11/11/05		879	938	**0.1**	0.254	**0.031**	**0.031**	0.0438		0.275	0.314	298	305	**0.0775**	**0.0775**	4900	**0.0031**	**0.0031**	1870	2100	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.2**	**0.319**	**0.75**	**0.75**
03/22/06		954	967	0.413	0.161	**0.000475**	**0.00250**	0.163	0.126	0.364	0.330	338	345	**0.155**	**0.155**	3780	**0.00310**	**0.00310**	2120	2080	**0.00250**	**0.00250**	0.131	**0.050**	**0.110**	**0.110**	1.92	1.80
05/21/06		1070	991	0.221	0.166	**0.000475**	**0.00144**	0.0776		0.682	0.443	370	358	**0.155**	**0.155**	4640	**0.00310**	**0.00310**	2340	2160	0.0120	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	0.740	0.558
08/21/06		1060	1120	0.227	0.150	**0.000475**	**0.000475**	0.120	0.146	0.406	0.353	337	353	**0.155**	**0.155**	5090	**0.00310**	**0.00310**	2270	2370	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.58	1.25
11/01/06		942	913	0.282	0.0996	**0.00232**	**0.000475**	0.197	0.163	0.372	0.270	306	299	**0.155**	**0.155**	4370	**0.00310**	**0.00310**	2080	2030	**0.0160**	**0.00500**	**0.0500**	**0.0500**	**0.959**	1.06	**0.155**	**0.155**
03/22/07		1000	995	0.850	0.237	**0.000169**	**0.000475**	0.192	0.215	0.536	0.685	334	323	**0.155**	**0.155**	4670	**0.00310**	**0.00310**	2250	2250	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.54	1.01
05/10/07		959	1010	0.135	0.121	**0.000169**	**0.000475**	0.188	0.188	0.415	0.389	312	320	**0.155**	**0.155**	4860	**0.00310**	**0.00310**	2140	2220	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/21/07		871	908	0.250	0.131	**0.000169**	**0.000475**	0.176	0.161	0.336	0.340	322	317	**0.155**	**0.155**	4820	**0.00310**	**0.00310**	2030	2120	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.95	2.48
11/11/07		996	923	0.0638	0.109	**0.000169**	**0.000475**	0.197	0.207	**0.195**	**0.143**	347	342	**0.155**	**0.383**	5030	**0.00310**	**0.00310**	2330	2140	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.06
03/19/08		950	908	0.231	0.106	**0.000750**	**0.000750**	0.182	0.171	0.424	**0.199**	331	302	**0.155**	**0.155**	4700	**0.00310**	**0.00310**	2220	2040	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	4.18	1.55
05/18/08		923	920	0.0997	0.101	**0.000750**	**0.000750**	0.172	0.164	0.215	0.226	313	311	**0.155**	**0.155**	4720	**0.00310**	**0.00310**	2060	2050	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/24/08		864	893	0.0862	0.0804	**0.000750**	**0.000750**	0.172	0.182	**0.180**	**0.174**	300	311	**0.155**	**0.155**	4970	**0.00310**	**0.00310**	1990	2040	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	6.31	2.23
10/22/08		850	979	0.0841	0.0948	**0.000750**	**0.000750**	0.170	0.187	0.218	0.240	293	304	**0.155**	**0.155**	5210	**0.00310**	**0.00310**	1960	2290	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.26	**0.500**
Mean		977	965	0.261	0.183	0.0136	0.00975	0.159	0.185	0.436	0.368	323	322	0.135	0.147	4730	0.00290	0.00290	2140	2110	0.00596	0.00490	0.0543	0.0525	0.193	0.214	1.40	0.957
Median		954	967	0.231	0.150	0.00075	0.00075	0.172	0.177	0.372	0.33	322	320	0.155	0.155	4770	0.00310	0.00310	2140	2120	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.75	0.750
St. Deviation		95	56	0.202	0.110	0.025884	0.01428	0.067	0.047	0.253	0.205	20	19	0.038	0.072	370	0.00055	0.00055	130	160	0.00381	0.00237	0.0353	0.0297	0.201	0.232	1.60	0.699
# of values		17	17	17	17	17	17	17	14	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Minimum		850	893	0.0638	0.0804	0.000169	0.0004745	0.01	0.126	0.180	0.1	293	299	0.054	0.0505	3780	0.001435	0.001435	1870	1740	0.002125	0.002125	0.0155	0.0155	0.0804	0.03	0.155	0.155
Maximum		1190	1120	0.850	0.523	0.100	0.0315	0.306	0.323	1.11	0.761	370	358	0.155	0.383	5240	0.00310	0.00310	2340	2370	0.0160	0.0125	0.155	0.155	0.959	1.06	6.31	2.48
%of values undetected		0%	0%	12%	6%	94%	94%	12%	7%	0%	6%	0%	0%	88%	82%	0%	100%	100%	0%	0%	88%	94%	94%	94%	82%	71%	47%	47%
# of values between MDL and MRL		0	0	0	0	1	1	0	0	2	3	0	0	2	3	0	0	0	0	0	1	1	0	1	1	2	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	9.98	9.95	NA	NA	5	4.6	NA	0.1406788	0.120	NA	NA	NA	NA	NA	NA	NA	NA	22.87	22.55
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	29%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
MW-11S																									
	Sample Date																								
	10/21/04	6.60	4.73	56	258	4.73	19.0	55	16.3	3.89	**8.80**	16	**0.155**			0.05		0.927	**0.0155**	7.82	**0.00125**	**0.00125**	0.16		**0.0155**
	03/21/05	6.41	4.56	43		4.56	20.8	47	48.8	0.200	6.80	16	0.16			0.065		0.751	**0.0155**	6.24	**0.00125**	**0.00125**	0.082		**0.0155**
	05/13/05	5.98	5.66	51	163	5.66	21.5	55	45.0	**0.075**	9.75	15	0.23			0.0525		0.753	**0.0155**	5.9	**0.00125**	**0.00125**	**0.0295**		**0.0155**
	08/16/05	6.11	7.00	51	115	7.00	19.5	48.5	37.5	0.400	7.00	15.5	0.232			0.017		0.724	**0.0155**	5.68	**0.00125**	0.005	0.26		0.036
	11/11/05	6.00	4.03	47	235	4.03	17.6	48	52.5	0.300	8.25	16	0.181			0.017		0.67	**0.0155**	5.36	**0.00125**	**0.00125**	0.11		**0.0155**
	03/22/06	6.73	4.71	48	255.0	4.71	19.7	49.0	37.5	4.50	10.3	17.0	0.255			0.0130		0.673	**0.0155**	5.78	**0.00125**	**0.00125**	**0.155**		**0.0155**
	08/21/06	6.20	5.76	45	204.5	5.76	18.7	49.0	57.5	**0.075**	8.25	15.0	0.193	**0.0155**	0.190	0.0050	**0.05**	0.846	0.0390	5.74	**0.00075**	**0.00075**	**0.155**		0.0400
	11/01/06	6.47	5.01	55	299.99	5.01	16.5	46.5	32.5	**0.075**	10.0	20.0	0.162	**0.0155**	0.134	0.0150		0.694	**0.0155**	4.67	**0.00075**	**0.00075**	**0.155**		0.0941
	03/22/07	5.97	4.47	26	181.2	4.47	18.2	46.0	36.3	0.800	3.75	20.0	0.157	**0.0155**	0.140	0.0160	**0.05**	0.813	0.0330	4.66	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/21/07	5.96	5.96	29	131.3	5.96	16.2	47.5	36.3	**0.075**	4.50	13.8	0.241			**0.00155**		0.678	**0.0155**	4.76	**0.00075**	**0.00075**	**0.155**		0.0731
	11/11/07	6.25	4.39	39	228.1	4.39	16.9	46.0	33.8	**0.0755**	7.75	15.2	0.185			0.0164		0.633	**0.0155**	4.61	**0.00075**	0.00260	**0.155**		0.0467
	03/20/08	6.99	4.32	41	153.0	4.32	17.6	50.6	42.5	**0.076**	17.9	17.8	0.271			0.0212		0.640	0.0320	5.58	**0.00075**	0.00180	**0.155**		**0.0155**
	05/18/08	6.10	4.89	47	186.7	4.89	16.6	45.4	26.3	**0.0875**	**1.57**	15.3	0.237			0.0128		0.503	0.0520	4.86	**0.00250**	**0.00075**	**0.155**	0.075	0.0348
	08/24/08	6.33	5.76	41	195.2	5.76	15.4	44.5	37.5	**0.0775**	7.72	15.1	0.243			0.0139		0.483	0.0900	4.59	**0.00250**	**0.00075**	**0.155**	0.250	**0.0500**
	10/22/08	5.90	3.32	44	144.4	3.32	16.6	48.1	28.8	**0.1665**	5.70	15.5	0.171			0.0066		0.605	**0.0155**	4.11	**0.00075**	**0.00075**	**0.155**	0.075	**0.0500**
	Mean	6.27	4.97	44	196.5	5	18.1	48.4	37.9	0.725	7.87	16.2	0.205	0.0155	0.155	0.0215	0.05	0.693	0.0267	5.36	0.00118	0.00139	0.146	0.133	0.0355
	Median	6.20	4.73	45	191.0	4.73	17.6	48.0	37.5	0.0875	7.75	15.5	0.193	0.0155	0.140	0.0160	0.0500	0.678	0.0155	5.36	0.00125	0.00125	0.155	0.075	0.0348
	St. Deviation	0.32	0.92	8	53.6	1	1.8	3.1	10.4	1.427	3.69	1.8	0.040	0	0.031	0.0187	0	0.118	0.0209	0.92	0.00059	0.00112	0.049	0.101	0.0242
	# of values	15	15	15	14	15	15	15	15	15	15	15	15	3	3	15	2	15	15	15	15	15	15	3	15
	Minimum	5.90	3.32	26	115	3.32	15.4	44.5	16.3	0.075	1.57	13.8	0.155	0.0155	0.134	0.00155	0.0500	0.483	0.0155	4.11	0.00075	0.00075	0.0295	0.075	0.0155
	Maximum	6.99	7.00	56	299.99	7.00	21.5	55	57.5	4.50	17.9	20.0	0.271	0.0155	0.190	0.065	0.050	0.927	0.0900	7.82	0.00250	0.005	0.26	0.250	0.0941
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	60%	7%	0%	7%	100%	0%	7%	100%	0%	67%	0%	100%	80%	73%	100%	60%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	3	7	0	0	0	0	5	0	0	5	0	0	2	4	0	6
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.28
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-37D(A)																									
	Sample Date																								
	11/04/06	6.62	2.43	258	135.3	2.43	70.9	280	132	1.10	9.25	124	0.0680	**0.0155**	0.0500	0.0370		3.68	0.132	22.8	**0.00075**	**0.00075**	**0.155**		0.733
	03/23/07	7.00	2.17	149	-95.0	2.17	83.9	280	161	0.800	6.50	125	**0.050**	**0.0500**	**0.0155**	0.0150	**0.05**	3.91	0.158	22.3	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/15/07	6.96	3.33	163	-115.6	3.33	76.9	280	163	0.400	7.00	125	0.0345			0.0099		3.91	0.157	22.3	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/20/07	6.81	3.55	146	-82.5	3.55	73.4	280	154	0.400	11.0	122	0.0415			0.0095		3.68	0.143	22.1	**0.00075**	**0.00075**	**0.155**		0.0817
	11/17/07	6.58	2.39	267	-30.6	2.39	79.2	290	164	1.12	12.5	123	**0.0155**			0.0170		3.66	0.161	22.1	**0.00075**	**0.00075**	**0.155**		0.0488
	03/25/08	6.60	2.24	269	-89.2	2.24	78.3	308	163	3.30	9.66	127	0.199			0.0102		3.71	0.146	21.8	**0.00075**	**0.00075**	0.510		0.0507
	05/24/08	6.75	3.43	255	-113.1	3.43	80.5	295	184	1.80	5.93	126	0.123			0.0058		3.86	0.177	22.3	**0.00250**	0.00530	**0.155**	**0.250**	**0.0155**
	08/27/08	7.21	3.90	260	-20.0	3.90	72.7	295	153	0.43	7.64	127	**0.050**			0.0142		4.01	0.162	24.0	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/19/08	6.97	2.82	277	-121.7	2.82	76.6	296	168	0.207	5.86	127	0.0445			0.0069		3.57	0.135	21.0	**0.00075**	**0.00075**	**0.155**	0.075	**0.0500**
	Mean	6.83	2.92	227	-59.2	3	76.9	290	160	1.06	8.37	125	0.0696	0.0328	0.0328	0.0139	0.0500	3.78	0.152	22.3	0.00094	0.00126	0.194	0.192	0.1179
	Median	6.81	2.82	258	-89.2	2.82	76.9	290	163	0.80	7.64	125	0.0500	0.0328	0.0328	0.0102	0.0500	3.71	0.157	22.3	0.00075	0.00075	0.155	0.250	0.0500
	St. Deviation	0.22	0.65	56	81.3	1	4.1	10	14	0.98	2.36	2	0.0569	0.0244	0.0244	0.0094	NA	0.15	0.014	0.8	0.00058	0.00152	0.118	0.101	0.2317
	# of values	9	9	9	9	9	9	9	9	9	9	9	9	2	2	9	1	9	9	9	9	9	9	3	9
	Minimum	6.58	2.17	146	-121.7	2.17	70.9	280	132	0.207	5.86	122	0.0155	0.0155	0.0155	0.0058	0.0500	3.57	0.132	21.0	0.00075	0.00075	0.155	0.075	0.0155
	Maximum	7.21	3.90	277	135.3	3.90	83.9	308	184	3.30	12.5	127	0.199	0.0500	0.0500	0.0370	0.0500	4.01	0.177	24.0	0.00250	0.00530	0.510	0.250	0.733
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	100%	50%	0%	100%	0%	0%	0%	100%	89%	89%	100%	56%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	4	7	0	4	0	1	4	0	0	0	0	0	0	1	0	3
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	5.60
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters / Total/Dissolved / Units	Aluminum Total µg/L	Aluminum Dissolved µg/L	Antimony Total µg/L	Antimony Dissolved µg/L	Arsenic Total µg/L	Arsenic Dissolved µg/L	Barium Total µg/L	Barium Dissolved µg/L	Beryllium Total µg/L	Beryllium Dissolved µg/L	Bismuth Total µg/L	Bismuth Dissolved µg/L	Boron Total µg/L	Boron Dissolved µg/L	Cadmium[4] Total µg/L	Cadmium[4] Dissolved µg/L	Calcium Total µg/L	Calcium Dissolved µg/L	Chromium[4,6] Total µg/L	Chromium[4,6] Dissolved µg/L	Cobalt Total µg/L	Cobalt Dissolved µg/L	Copper[4] Total µg/L	Copper[4] Dissolved µg/L	Iron Total µg/L	Iron Dissolved µg/L	Lead[4] Total µg/L	Lead[4] Dissolved µg/L
MW-11S																													
	Sample Date																												
	10/21/04	91.1	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.04	1.88	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	5790	5480	1.15	0.373	**0.05**	**0.05**	0.212	**0.1**	55.8	**3.1**	**0.05**	**0.05**
	03/21/05	4.74	1.41	0.0257	0.0262	0.159	0.133	2.5	2.28	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.69	1.56	**0.003095**	**0.003095**	6140	4770	0.811	0.336	**0.0148**	**0.0125**	0.201	0.111	**7.08**	**1.325**	**0.011**	**0.0673**
	05/13/05	9.14	1.5	**0.01**	0.0202	0.111	0.119	1.91	2.09	**0.001495**	**0.001495**	**0.003835**	**0.003835**	1.64		**0.003095**	**0.003095**	6610	5270	1.54	0.464	**0.0114**	**0.0105**	0.124	0.115	11.3	**6.19**	**0.011**	**0.035**
	08/16/05	8.7		**0.00155**		**0.25**	**0.25**	2.1	1.94	**0.0075**	**0.015**	**0.00155**	**0.0031**	**5**	**12**	**0.00775**	**0.0155**	5920	5310	1.22	**0.2**	0.0344	0.042	0.238		**14.3**	**6.2**	**0.0155**	**0.1**
	11/11/05	8.85	**1**	0.021	0.0234	**0.125**	**0.256**	1.8	1.75	**0.0075**	**0.0075**	0.0134	0.0118	**1.55**	**1.55**	**0.00775**	**0.00775**	5320	5360	1.23	0.481	0.026	0.0208	0.159	0.236	**13.3**	**3.1**	**0.0155**	
	03/22/06	211	2.48	**0.0438**	**0.0310**	**0.155**	**0.155**	6.02	2.08	**0.0240**	**0.0120**	**0.0250**	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	6090	6520	18.3	1.62	0.259	0.0628	1.10	0.232	306	25.3	0.152	**0.0130**
	08/21/06	3.20	2.80	**0.0232**	**0.0190**	**0.155**	**0.155**	1.92		**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	5690	5590	1.71	0.460	0.0306	0.0354	0.298	0.247	**3.10**	**6.44**	0.327	
	11/01/06	2.55	**1.00**	**0.0075**	**0.0250**	**0.496**	**0.155**	1.58	1.86	**0.0125**	**0.0125**	**0.0075**	**0.0164**	**1.25**	**1.25**	**0.0185**	**0.0185**	4960	5630	0.846	0.421	**0.0174**	**0.0168**	0.153	0.164	**10.0**	**10.0**	**0.0155**	**0.0155**
	03/22/07	22.9	2.91	**0.0250**	**0.0250**	**0.155**	**0.155**	2.13	1.87	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5480	5460	2.43	0.386	0.0366	0.0208	0.241	0.194	26.4	**3.10**	**0.0155**	**0.0155**
	08/21/07	12.5	**1.00**	**0.0288**	**0.0276**	**0.155**	**0.155**	1.96	1.74	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4970	5130	3.14	0.725	0.0326	0.0224	0.335	0.230	25.5	**10.0**	**0.0500**	**0.0155**
	11/11/07	23.6	**1.00**	**0.0176**	**0.0276**	**0.155**	**0.155**	2.02	1.80	**0.0250**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5170	5590	2.15	0.781	0.0226	**0.0184**	0.218	0.118	29.4	**13.8**	**0.0155**	**0.0155**
	03/20/08	9.82	3.17	**0.0258**	**0.0256**	**0.155**	**0.155**	1.99	1.84	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5410	5360	1.50	0.909	0.0230	**0.0176**	0.154	0.182	32.4	25.2	**0.0155**	**0.0155**
	05/18/08	**1.00**		**0.0163**	**0.0188**	**0.155**	**0.155**	1.71	1.85	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	5040	5270	1.85	0.953	**0.0184**	0.0249	0.145	0.171	27.5	23.2	**0.0155**	**0.0155**
	08/24/08	4.80	**1.00**	**0.0275**	**0.0249**	**0.155**	**0.155**	1.78	1.73	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4670	4720	1.43	0.555	0.0201	**0.0148**	0.190	0.139	26.6	**18.2**	**0.0383**	**0.0155**
	10/22/08	3.03	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	1.61	1.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	4970	4820	1.33	0.445	**0.0159**	**0.0135**	0.173	0.146	**17.1**	**14.7**	**0.0155**	**0.0155**
	Mean	27.8	2.52	0.0225	0.0256	0.177	0.162	2.27	1.89	0.0116	0.0105	0.0577	0.0583	1.56	2.05	0.0093	0.0098	5480	5350	2.71	0.607	0.0409	0.0255	0.263	0.17	40.4	11.3	0.0509	0.0299
	Median	8.85	1.41	0.0250	0.025	0.155	0.155	1.96	1.86	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5410	5360	1.50	0.464	0.023	0.0208	0.201	0.168	25.5	10.0	0.0155	0.0155
	St. Deviation	55.3	3.11	0.0110	0.005	0.093	0.039	1.10	0.16	0.0065	0.0041	0.192	0.191	0.98	2.87	0.0048	0.0050	550	440	4.36	0.353	0.0612	0.0153	0.239	0.051	74.6	8.4	0.0844	0.0269
	# of values	15	13	15	14	15	15	15	14	15	15	15	15	15	14	15	15	15	15	15	15	15	15	15	14	15	15	15	13
	Minimum	1.00	1.00	0.00155	0.0188	0.111	0.119	1.58	1.73	0.001495	0.001495	0.00155	0.0031	0.75	0.75	0.003095	0.003095	4670	4720	0.811	0.2	0.0114	0.0105	0.124	0.1	3.10	1.325	0.011	0.0130
	Maximum	211	12.5	0.0438	0.0385	0.496	0.256	6.02	2.28	0.025	0.015	0.75	0.75	5	12	0.0185	0.0185	6610	6520	18.3	1.62	0.259	0.0628	1.1	0.247	306	25.3	0.327	0.1
	%of values undetected	7%	54%	40%	29%	80%	80%	0%	0%	87%	100%	93%	87%	87%	86%	100%	100%	0%	0%	0%	7%	7%	7%	0%	7%	13%	47%	80%	85%
	# of values between MDL and MRL	0	0	7	7	1	1	0	0	2	0	0	1	0	1	0	0	0	0	0	0	5	7	0	0	4	5	1	2
	Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.069	0.068	NA	NA	10.98	10.56276	NA	NA	1.945	1.867	1000	1000	0.308	0.326
	Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
	%of CALC exceedences	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	7%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-37D(A)																													
	Sample Date																												
	11/04/06	6.25	**1.00**	0.169	0.141	3.08	2.91	53.6	54.0	**0.0404**	**0.0412**	**0.0075**	**0.0075**	23.3	22.4	**0.0185**	**0.0185**	18500	18600	**0.050**	**0.050**	0.0704	0.0622	0.252	0.189	619	594	1.53	1.22
	03/23/07	5.57	**1.00**	0.116	0.114	3.25	3.10	64.7	63.8	**0.0290**	**0.0344**	**0.0075**	**0.0075**	21.5	19.7	**0.0075**	**0.0075**	20400	19700	**0.050**	**0.050**	0.0500	0.0470	0.178	0.195	707	663	**0.050**	**0.0155**
	05/15/07	**1.00**	**1.00**	0.136	0.102	3.03	2.90	60.6	54.6	**0.0338**	**0.0362**	**0.0250**	**0.0075**	21.2	20.2	**0.0075**	**0.0075**	19500	18000	**0.050**	**0.050**	0.0454	0.0432	0.406	0.382	721	652	0.115	**0.050**
	08/20/07	4.30	**1.00**	0.0976	0.107	2.92	3.11	55.8	60.4	**0.0350**	**0.0418**	**0.0075**	**0.0075**	23.8	24.3	**0.0075**	**0.0075**	18800	20100	**0.050**	0.230	0.0470	0.0452	0.239		638	659	**0.0155**	**0.050**
	11/17/07	5.02	**1.00**	0.104		3.12	3.02	60.1	60.4	0.0640	**0.0374**	**0.0075**	**0.0075**	25.0	22.3	**0.0075**	**0.0075**	20300	20400	0.247	**0.100**	0.0392	0.0262	0.397	0.353	682	660	**0.050**	**0.0155**
	03/25/08	20.9	**1.31**	0.0932	0.0785	3.17	2.87	57.0	56.4	**0.0250**	**0.0125**	**0.0075**	**0.0075**	23.8	24.3	**0.0183**	**0.0075**	19700	19500	**0.109**	**0.119**	0.0478	0.0348	0.329	0.242	730	696	**0.0733**	**0.0155**
	05/24/08	7.15	4.12	**0.0075**	**0.0168**	3.47	3.43	63.4	57.6	**0.0450**	**0.0492**	**0.0075**	**0.0075**	21.9	21.9	**0.0075**	**0.0075**	20000	18800	0.229	**0.128**	0.0297	0.027	0.176	0.181	720	657	0.122	**0.0155**
	08/27/08	2.05	**1.00**	0.0986	0.0998	3.28	3.40	57.9	59.2	**0.0361**	0.0520	**0.0075**	**0.0075**	23.0	23.5	**0.0075**	**0.0075**	18400	19200	**0.050**	**0.050**	0.0337	0.0303	0.167	0.161	670	697	**0.0338**	**0.0155**
	10/19/08	3.08	**1.17**	0.0981	0.0959	3.26	3.15	57.5	56.0	0.0510	**0.0427**	**0.0075**	**0.0075**	23.9	22.2	**0.0075**	**0.0075**	19300	18200	**0.121**	**0.050**	0.0365	0.0317	0.174	0.164	700	664	**0.0155**	**0.0155**
	Mean	6.15	1.40	0.1022	0.094	3.18	3.10	59.0	58.0	0.0400	0.0386	0.0094	0.0075	23.0	22.3	0.0099	0.0087	19400	19200	0.106	0.092	0.0444	0.0386	0.258	0.233	687	660	0.2228	0.157
	Median	5.02	1.00	0.0986	0.101	3.17	3.10	57.9	57.6	0.0361	0.0412	0.0075	0.0075	23.3	22.3	0.0075	0.0075	19500	19200	0.05	0.05	0.0454	0.0348	0.239	0.192	700	660	0.05	0.0155
	St. Deviation	5.88	1.03	0.0432	0.036	0.16	0.21	3.6	3.2	0.0120	0.0114	0.0058	0	1.3	1.6	0.0048	0.0037	700	800	0.08	0.061	0.012	0.0118	0.097	0.087	39	30	0.4917	0.3989
	# of values	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	9	9	9	9
	Minimum	1.00	1.00	0.0075	0.0168	2.92	2.87	53.6	54.0	0.025	0.0125	0.0075	0.0075	21.2	19.7	0.0075	0.0075	18400	18000	0.05	0.05	0.0297	0.0262	0.167	0.161	619	594	0.0155	0.0155
	Maximum	20.9	4.12	0.169	0.141	3.47	3.43	64.7	63.8	0.064	0.052	0.025	0.0075	25.0	24.3	0.0185	0.0185	20400	20400	0.247	0.23	0.0704	0.0622	0.406	0.382	730	697	1.53	1.22
	%of values undetected	11%	67%	11%	0%	0%	0%	0%	0%	11%	11%	100%	100%	0%	0%	89%	100%	0%	0%	56%	67%	0%	0%	0%	0%	0%	0%	44%	89%
	# of values between MDL and MRL	0	2	0	1	0	0	0	0	6	7	0	0	0	0	1	0	0	0	2	2	0	0	0	0	0	0	2	0
	Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.211	0.195	NA	NA	10.98	10.56276	NA	NA	7.014	6.733	1000	1000	2.080	1.747
	Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
	%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Location / Total/Dissolved / Units	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L
MW-11S																												
Sample Date																												
10/21/04	1100	1070	5.42	2.17	**0.031**	**0.031**	**0.155**	**0.155**	0.669	0.427	393	368	**0.155**	**0.155**	5230	**0.0031**	**0.0031**	2620	2620	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.235**
03/21/05	1320	1030	1.72	1.53	**0.0315**	**0.0315**	0.157	0.242	0.553	0.334	374	328	**0.04**	**0.0354**	4820	**0.001435**	**0.001435**	2450	1890	**0.005**	**0.002125**	**0.0302**	**0.0302**	0.192	0.138	**0.2345**	1.06
05/13/05	1220	1070	1.15	1.09	**0.0315**	**0.0315**	0.118	0.148	0.713	0.679	342	351	**0.0423**	**0.0397**	5570	**0.001435**	**0.001435**	2500	1950	**0.002125**	**0.002125**	**0.0302**	**0.0302**	0.15	0.0989	**0.2345**	**0.2345**
08/16/05	1130	1110	0.991	0.904	**0.031**	**0.031**	**0.0031**		0.635	0.604	385	339	**0.0775**	**0.155**	6200	**0.0031**	**0.0062**	2530	2490	**0.0031**	**0.0062**	**0.031**	**0.062**	**0.1**	**0.2**	**0.2325**	**1.5**
11/11/05	1040	1050	1.08	0.379	**0.031**	**0.031**	0.0964	0.09	0.706	0.641	351	358	**0.0775**	**0.0775**	6360	**0.0031**	**0.0031**	2300	2320	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.243**	**0.274**	**0.75**	**0.75**
03/22/06	1080	1100	23.7	2.31	**0.000475**	**0.000475**	0.427	0.194	10.4	2.72	401	398	**0.155**	**0.155**	4940	**0.00310**	**0.00310**	2220	2260	**0.00250**	**0.00250**	0.104	**0.0500**	0.540	**0.110**	2.10	1.53
08/21/06	1100	1120	0.460	0.534	**0.000475**	**0.000475**	0.0732		0.834	0.848	356	389	**0.155**	**0.155**	5390	**0.00310**	**0.00310**	2320	2370	**0.00500**	**0.0164**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.13	
11/01/06	1000	1040	0.418	0.343	**0.000475**	**0.000475**	0.120	0.117	0.672	0.641	322	354	**0.155**	**0.155**	5420	**0.00310**	**0.00310**	2160	2260	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.897**	**0.250**	**0.155**	**0.155**
03/22/07	1090	1080	2.71	0.453	**0.000169**	**0.000475**	0.166	0.138	1.69	0.971	350	347	**0.155**	**0.155**	5170	**0.00310**	**0.00310**	2330	2320	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.04	1.02
08/21/07	928	970	0.972	0.358	**0.000169**	**0.000475**	0.157	0.140	1.70	0.909	337	338	**0.155**	**0.155**	5270	**0.00310**	**0.00310**	2150	2250	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.53	1.21
11/11/07	972	1060	0.746	0.311	**0.000169**	**0.000475**	0.162	0.169	1.08	0.910	328	370	**0.155**	**0.155**	5940	**0.00310**	**0.00310**	2190	2440	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.05	**0.50**
03/20/08	987	953	1.30	0.643	**0.000750**	**0.000750**	0.125	0.126	0.849	0.820	329	323	**0.155**	**0.155**	5360	**0.00310**	**0.00310**	2140	2080	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.664**	**0.746**
05/18/08	969	1000	0.574	0.657	**0.000750**	**0.000750**	0.140	0.168	0.914		329	339	**0.155**	**0.155**	5430	**0.00310**	**0.00310**	2130	2180	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/24/08	901	915	0.891	0.225	**0.00165**	**0.000750**	0.137	0.125	0.791	0.523	311	316	**0.155**	**0.155**	5480	**0.00310**	**0.00310**	2020	2070	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.20	**0.155**
10/22/08	1010	929	0.336	0.202	**0.000750**	**0.000750**	0.152	0.146	0.731	0.549	330	316	**0.155**	**0.155**	5320	**0.00310**	**0.00310**	2280	2110	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
Mean	1060	1030	2.83	0.807	0.0108	0.0108	0.146	0.151	1.53	0.827	349	349	0.129	0.134	5460	0.00288	0.00308	2290	2240	0.00489	0.00566	0.0554	0.0539	0.239	0.169	0.970	0.721
Median	1040	1050	0.991	0.534	0.00075	0.00075	0.140	0.146	0.791	0.660	342	347	0.155	0.155	5390	0.00310	0.00310	2280	2260	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.664	0.623
St. Deviation	110	70	5.91	0.683	0.0149	0.0149	0.089	0.038	2.48	0.577	27	25	0.045	0.044	420	0.00059	0.00104	170	200	0.00236	0.00385	0.0327	0.0294	0.210	0.052	0.956	0.478
# of values	15	15	15	15	15	15	15	13	15	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	14
Minimum	901	915	0.336	0.202	0.000169	0.0004745	0.0031	0.09	0.553	0.334	311	316	0.04	0.0354	4820	0.001435	0.001435	2020	1890	0.002125	0.002125	0.0302	0.0302	0.1	0.0989	0.155	0.155
Maximum	1320	1120	23.7	2.31	0.0315	0.0315	0.427	0.242	10.4	2.72	401	398	0.155	0.155	6360	0.00310	0.0062	2620	2620	0.0125	0.0164	0.155	0.155	0.897	0.274	3.53	1.53
%of values undetected	0%	0%	0%	0%	93%	100%	13%	8%	0%	0%	0%	0%	87%	87%	0%	100%	100%	0%	0%	100%	93%	93%	100%	67%	80%	53%	64%
# of values between MDL and MRL	0	0	0	0	1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	1	0	0	2	1	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	11.04	11.01	NA	NA	5	4.6	NA	0.172829	0.147	NA	NA	NA	NA	NA	NA	NA	NA	25.31	24.95
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	33%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-37D(A)																												
Sample Date																												
11/04/06	5990	6190	72.7	70.7	**0.000475**	**0.000475**	2.38	2.46	0.469	0.463	980	984	**0.155**	**0.155**	5730	**0.0114**	**0.00960**	30800	32200	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	2.87	**0.500**
03/23/07	8020	7700	81.2	72.5	**0.000169**	**0.000475**	2.98	2.98	0.778	0.892	1210	1150	**0.155**	**0.155**	7810	**0.00310**	**0.00310**	37300	35400	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.91	2.94
05/15/07	6870	6530	79.7	72.6	**0.000169**	**0.000475**	2.75	2.53	0.651	0.600	1150	1070	**0.155**	**0.155**	7190	**0.00310**	**0.00310**	33400	31800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.20	**0.500**
08/20/07	6410	6930	73.1	76.3	**0.000169**	**0.000475**	2.65	2.77	0.520	0.536	1060	1150	**0.155**	**0.155**	8340	**0.00310**	**0.0150**	31700	35300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.04	
11/17/07	6900	6740	78.6	76.9	**0.000169**	**0.000475**	2.70	2.67	0.504	0.420	1150	1170	**0.155**	**0.155**	7610	**0.00310**	**0.00310**	32300	33300	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.16	**0.500**
03/25/08	7080	7010	77.5	77.9	**0.00075**	**0.00075**	2.56	2.49	0.529	0.439	1170	1160	**0.155**	**0.155**	7640	**0.00310**	**0.00310**	34800	32600	**0.00500**	**0.00500**	**0.117**	**0.0500**	**0.155**	**0.155**	3.62	3.71
05/24/08	7400	6900	79.8	71.8	**0.00075**	**0.00313**	2.54	2.39	0.312	0.37	1220	1130	**0.155**	**0.155**	7820	**0.00310**	**0.00310**	34500	31500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.08	1.35
08/27/08	6520	6800	73.1	75.4	**0.00075**	**0.00075**	2.49	2.61	0.443	0.453	1100	1130	**0.155**	**0.155**	7570	**0.00310**	**0.00310**	30000	31200	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
10/19/08	6920	6570	78.3	74	**0.00375**	**0.00075**	2.62	2.5	0.967	0.817	1130	1090	**0.155**	**0.155**	7450	**0.00310**	**0.00310**	32800	30600	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.155**	1.49	1.04
Mean	6900	6820	77.1	74.2	0.000795	0.0008614	2.63	2.6	0.575	0.554	1130	1110	0.155	0.155	7460	0.00402	0.00514	33100	32700	0.00500	0.00500	0.0574	0.0500	0.166	0.166	1.87	1.40
Median	6900	6800	78.3	74	0.0004745	0.0004745	2.62	2.53	0.52	0.463	1150	1130	0.155	0.155	7610	0.00310	0.00310	32800	32200	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.49	0.80
St. Deviation	590	420	3.3	2.5	0.001141	0.0008611	0.17	0.18	0.196	0.183	80	60	0	0	720	0.00277	0.00428	2200	1700	0	0	0.0223	0	0.032	0.032	1.07	1.30
# of values	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8
Minimum	5990	6190	72.7	70.7	0.000169	0.0004745	2.38	2.39	0.312	0.37	980	984	0.155	0.155	5730	0.00310	0.00310	30000	30600	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	0.500
Maximum	8020	7700	81.2	77.9	0.00375	0.00313	2.98	2.98	0.967	0.892	1220	1170	0.155	0.155	8340	0.0114	0.0150	37300	35400	0.00500	0.00500	0.117	0.0500	0.250	0.250	3.62	3.71
%of values undetected	0%	0%	0%	0%	89%	89%	0%	0%	0%	0%	0%	0%	100%	100%	0%	89%	78%	0%	0%	100%	100%	89%	100%	100%	100%	11%	50%
# of values between MDL and MRL	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	39.33	39.21	NA	NA	5	4.6	NA	2.2859093	1.943	NA	NA	NA	NA	NA	NA	NA	NA	90.30	89.04
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Dissolved Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Laboratory Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Thiocyanate	DOC (Dissolved Organic Carbon)	Total Ammonia[3]
Location: Total/Dissolved																								
Units	pH Units	mg/L	µmhos/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
P-06-37M																								
Sample Date																								
11/03/06	6.22	3.01	93	229.9	3.01	40.8	95.0	68.8	2.00	17.5	47.0	**0.0445**	**0.0155**	**0.0155**	0.0420	**0.05**	0.903	**0.0430**	4.55	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/23/07	6.00	2.83	54	116.6	2.83	41.6	90.0	71.2	**0.075**	26.0	50.0	**0.050**	**0.0500**	**0.0155**	**0.00155**	**0.05**	0.943	**0.0660**	3.91	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/15/07	6.06	3.50	54	96.7	3.50	40.6	100	73.8	**0.075**	10.0	50.0	**0.0760**			0.0110		0.933	**0.0640**	3.72	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/20/07	6.05	3.58	51	63.7	3.58	38.3	100	56.3	**0.075**	26.5	47.5	**0.0785**			**0.0087**		0.746	**0.0450**	3.30	**0.00075**	**0.00075**	**0.155**		**0.0714**
11/17/07	6.13	2.04	96	141.0	2.04	43.0	100	65.0	**0.0765**	31.0	48.3	**0.0355**			0.0186		0.923	**0.0550**	3.81	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/25/08	5.93	2.59	95	69.6	2.59	38.5	109	82.5	**0.0755**	14.0	49.7	0.676			0.0206		0.793	**0.0570**	4.94	**0.00075**	**0.00075**	**0.155**		**0.0367**
05/24/08	6.06	3.15	101	121.1	3.15	42.2	101	83.8	**0.075**	13.2	50.0	**0.060**			0.0130		0.804	**0.0590**	3.38	**0.00250**	0.00540	**0.155**	**0.250**	**0.0155**
08/27/08	6.20	3.46	93	148.3	3.46	39.2	105	61.3	**0.077**	**5.58**	50.5	0.112			**0.0050**		0.844	**0.0520**	3.83	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/19/08	6.04	2.88	100	123.4	2.88	51.9	108	70.0	**0.077**	**8.58**	50.8	**0.075**			0.0183		0.852	**0.0490**	3.57	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
Mean	6.08	3.00	82	123.4	3.00	41.8	100	70.3	0.290	16.9	49.3	0.1342	0.0328	0.0155	0.0154	0.0500	0.860	0.054	3.89	0.00094	0.00127	0.155	0.192	0.0317
Median	6.06	3.01	93	121.1	3.01	40.8	100	70.0	0.0755	14.0	50.0	0.0750	0.0328	0.0155	0.0130	0.0500	0.852	0.055	3.81	0.00075	0.00075	0.155	0.250	0.0155
St. Deviation	0.09	0.49	22	49.4	0	4.1	10	9.0	0.641	8.95	1.4	0.2045	0.0244	0	0.0118	0	0.070	0.008	0.53	0.00058	0.00155	0	0.101	0.0212
# of values	9	9	9	9	9	9	9	9	9	9	9	9	2	2	9	2	9	9	9	9	9	9	3	9
Minimum	5.93	2.04	51	63.7	2.04	38.3	90.0	56.3	0.075	5.58	47.0	0.0355	0.0155	0.0155	0.00155	0.0500	0.746	0.043	3.30	0.00075	0.00075	0.155	0.075	0.0155
Maximum	6.22	3.58	101	229.9	3.58	51.9	109	83.8	2.00	31.0	50.8	0.676	0.0500	0.0155	0.0420	0.0500	0.943	0.066	4.94	0.00250	0.00540	0.155	0.250	0.0714
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	89%	0%	0%	11%	100%	100%	22%	100%	0%	0%	0%	100%	89%	100%	100%	78%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	0	2	0	6	0	0	1	0	0	9	0	0	0	0	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.86
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%
%of DWS exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-37S																								
Sample Date																								
11/03/06	6.28	3.01	106	250.7	3.01	51.9	110	71.2	**0.075**	15.0	61.0	**0.0155**	**0.0155**	**0.0155**	0.0340		0.591	**0.0490**	1.13	**0.00075**	**0.00075**	**0.155**		1.11
03/23/07	6.11	2.49	63	151.0	2.49	53.4	110	82.5	**0.150**	20.5	63.0	**0.050**	**0.0500**	**0.0410**	0.0160		0.755	**0.0710**	1.33	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/15/07	6.31	3.35	64	104.2	3.35	50.5	120	76.3	**0.075**	10.5	62.0	**0.0495**			0.0218		0.772	**0.0700**	1.37	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/20/07	6.29	3.32	61	122.8	3.32	51.6	120	76.3	**0.075**	22.8	60.5	**0.0685**			0.0139		0.605	**0.0530**	1.16	**0.00075**	**0.00075**	**0.155**		**0.0155**
11/17/07	6.26	2.14	112	155.1	2.14	54.4	115	72.5	**0.200**	22.0	61.5	**0.050**			0.0342		0.609	**0.0630**	1.18	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/23/08	6.58	2.65	113	83.6	2.65																			
03/24/08						51.2	127	75.0	**0.076**	16.2	63.6	**0.0940**			0.0214		0.623	**0.0660**	1.15	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/25/08	5.72	2.61	124	176.9	2.61	53.0	121	104	**0.075**	14.3	63.2	0.274			0.0868		0.641	**0.0530**	2.89	**0.00250**	**0.00250**	**0.155**	0.586	**0.0155**
08/28/08	6.30	3.07	112	150.1	3.07	52.2	124	66.3	**0.1665**	13.8	63.1	**0.0100**			0.0210		0.668	**0.0560**	1.33	**0.00075**	**0.00075**	**0.155**	0.574	**0.0155**
10/19/08	6.33	3.02	118	111.5	3.02	41.8	127	92.5	**0.213**	**5.04**	64.2	**0.0790**			0.0142		0.584	**0.0680**	1.08	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
Mean	6.24	2.85	97	145.1	3	51.1	119	79.6	0.123	15.6	62.5	0.0767	0.0328	0.0280	0.0293	NA	0.650	0.0610	1.40	0.00094	0.00094	0.155	0.412	0.1409
Median	6.29	3.01	112	150.1	3.01	51.9	120	76.3	0.076	15.0	63.0	0.0500	0.0328	0.0280	0.0214	NA	0.623	0.0630	1.18	0.00075	0.00075	0.155	0.574	0.0155
St. Deviation	0.23	0.4	26	49.2	0	3.7	6	11.8	0.059	5.7	1.3	0.0788	0.0244	0.0180	0.0229	NA	0.069	0.0083	0.57	0.00058	0.00058	0	0.292	0.3636
# of values	9	9	9	9	9	9	9	9	9	9	9	9	2	2	9	0	9	9	9	9	9	9	3	9
Minimum	5.72	2.14	61	83.6	2.14	41.8	110	66.3	0.075	5.04	60.5	0.0100	0.0155	0.0155	0.0139	NA	0.584	0.0490	1.08	0.00075	0.00075	0.155	0.075	0.0155
Maximum	6.58	3.35	124	250.7	3.35	54.4	127	104	0.213	22.8	64.2	0.274	0.0500	0.0410	0.0868	NA	0.772	0.0710	2.89	0.00250	0.00250	0.155	0.586	1.11
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	78%	0%	0%	44%	100%	50%	0%		0%	0%	0%	0%	100%	100%	33%	89%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	2	1	0	4	0	1	0		0	9	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.68
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
P-06-38D																								
Sample Date																								
08/23/07	7.65	7.15	117	-131.1	7.15	57.2	185	103	1.00	**1.57**	73.6	**0.0155**			0.426		0.558	**0.0155**	0.615	**0.00075**	**0.00075**	**0.155**		0.178
Mean	7.65	7.15	117	-131.1	7.15	57.2	185	103	1.0	1.57	73.6	0.0155	NA	NA	0.426	NA	0.558	0.0155	0.615	0.00075	0.00075	0.155	NA	0.178
Median	7.65	7.15	117	-131.1	7.15	57.2	185	103	1	1.57	73.6	0.0155	NA	NA	0.426	NA	0.558	0.0155	0.615	0.00075	0.00075	0.155	NA	0.178
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
# of values	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	0	1
Minimum	7.65	7.15	117	-131.1	7.15	57.2	185	103	1	1.57	73.6	0.0155	NA	NA	0.426	NA	0.558	0.0155	0.615	0.00075	0.00075	0.155	NA	0.178
Maximum	7.65	7.15	117	-131.1	7.15	57.2	185	103	1	1.57	73.6	0.0155	NA	NA	0.426	NA	0.558	0.0155	0.615	0.00075	0.00075	0.155	NA	0.178
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%			0%		0%	100%	0%	100%	100%	100%		0%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	0	0	0	0			0		0	0	0	0	0	0		0
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	3.78
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	NA	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	#DIV/0!	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
P-06-37M																												
Sample Date																												
11/03/06	152	**1.00**	0.162	0.183	**0.155**	**0.155**	14.8	11.9	**0.0430**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	10400	9930	2.58	0.469	0.185	0.158	0.683	0.328	130	**10.0**	1.20	**0.050**
03/23/07	10.1	**1.00**	0.200	0.199	**0.155**	**0.155**	13.5	13.1	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10300	10700	1.06	**0.100**	0.0572	0.0536	3.22	0.203	25.4	**10.0**	0.264	0.144
05/15/07	2.64	3.33	0.175		**0.155**	**0.155**	13.2	13.8	**0.0125**	**0.0125**	**0.0075**	**0.0250**	**1.25**	**1.25**	**0.0075**	0.0186	10200	10600	0.875	0.598	0.0480	0.0616	0.436		31.3	35.1	0.303	
08/20/07	2.33	**1.00**	0.161	0.173	**0.155**	**0.155**	12.2	12.4	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.70**	**0.0075**	**0.0075**	9690	10200	0.802	0.382	0.0442	0.0426	0.556	0.476	**10.0**	**10.0**	0.128	0.116
11/17/07	2.83	**1.00**	0.162	0.162	**0.155**	**0.155**	12.6	12.9	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10700	10800	0.784	0.345	0.0358	0.0218	1.27	0.988	23.4	**14.9**	0.157	**0.0155**
03/25/08	3.05	**1.89**	0.150	0.165	**0.155**	**0.155**	12.1	12.8	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9530	10000	0.399	0.204	0.0295	0.0308	1.26	0.973	40.0	41.6	0.103	**0.0323**
05/24/08	**1.00**	**1.00**	0.0543	0.0766	**0.155**	**0.155**	13.2	12.4	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10500	10100	0.529	0.303	0.0214	0.0221	0.957	0.809	24.0	33.3	**0.0500**	**0.0155**
08/27/08	**1.00**	**1.00**	0.153	0.159	**0.155**	**0.155**	12.5	13.2	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9910	10300	**0.050**	**0.100**	0.0283	0.0333	0.869	0.876	32.9	34.7	0.150	**0.0925**
10/19/08	17.5	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	4.74	4.40	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	15600	15200	2.70	0.752	0.0724	0.0368	0.239	0.188	76.6	48.5	**0.0155**	**0.0155**
Mean	21.4	1.36	0.138	0.143	0.155	0.155	12.1	11.9	0.0159	0.0125	0.0075	0.0094	1.25	1.41	0.0087	0.0100	10800	10900	1.087	0.361	0.0580	0.0512	1.054	0.605	43.7	26.5	0.263	0.0602
Median	2.83	1.00	0.161	0.164	0.155	0.155	12.6	12.8	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10300	10300	0.802	0.345	0.0442	0.0368	0.869	0.643	31.3	33.3	0.150	0.0412
St. Deviation	49.3	0.80	0.058	0.060	0	0	2.9	2.9	0.0102	0	0	0.0058	0	0.48	0.0037	0.0049	1900	1700	0.929	0.220	0.0502	0.0422	0.884	0.344	37.2	15.2	0.363	0.0508
# of values	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	9	9	9	8
Minimum	1.00	1.00	0.025	0.025	0.155	0.155	4.74	4.40	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9530	9930	0.05	0.100	0.0214	0.0218	0.239	0.188	10.0	10.0	0.0155	0.0155
Maximum	152	3.33	0.200	0.199	0.155	0.155	14.8	13.8	0.043	0.0125	0.0075	0.025	1.25	2.70	0.0185	0.0186	15600	15200	2.70	0.752	0.185	0.158	3.22	0.988	130	48.5	1.20	0.144
%of values undetected	22%	67%	11%	13%	100%	100%	0%	0%	89%	100%	100%	100%	100%	89%	100%	89%	0%	0%	11%	22%	0%	0%	0%	0%	11%	33%	22%	50%
# of values between MDL and MRL	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	2
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.133	0.126	NA	NA	10.98	10.56276	NA	NA	4.116	3.951	1000	1000	0.940	0.875
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-37S																												
Sample Date																												
11/03/06	7.67	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	5.12	4.46	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	15900	14600	1.23	0.274	0.133	0.110	0.381	0.194	28.5	**10.0**	0.120	**0.0500**
03/23/07	2.13	**1.00**	0.0508	0.0554	**0.155**	**0.155**	5.12	5.07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	16000	16000	1.12	0.359	0.0300	0.0288	0.309	0.193	**10.0**	**10.0**	0.139	**0.0155**
05/15/07	8.79	**1.00**	**0.0358**	**0.0392**	**0.155**	**0.155**	5.02	5.03	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	15200	15800	1.31	0.729	0.0370	0.0338	0.259	0.247	54.1	42.1	**0.050**	**0.0155**
08/20/07	9.50	**1.00**	**0.0400**	**0.0402**	**0.155**	**0.155**	4.87	4.80	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	15700	15800	1.25	0.721	0.0422	0.0344	0.291		21.4	**10.0**	**0.0155**	**0.0500**
11/17/07	35.3	**1.00**	**0.0384**	**0.0344**	**0.155**	**0.155**	5.25	4.95	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	16500	17100	2.22	0.796	0.104	0.0274	0.351	0.268	70.0	28.0	**0.050**	**0.0155**
03/23/08																												
03/24/08	7.10	**0.704**	**0.0369**	**0.0356**	**0.155**	**0.155**	4.78	4.58	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	15300	14800	1.77	0.702	0.0427	0.0330	0.239	0.187	66.8	61.8	**0.0155**	**0.0155**
05/25/08	9.86	5.05	**0.0075**	**0.0075**	**0.155**	**0.155**	4.94	4.57	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	16000	15300	3.65	1.00	0.0464	0.0377	0.242	0.300	58.1	57.6	**0.0155**	**0.0155**
08/28/08	4.20	**1.00**	**0.0343**	**0.0354**	**0.155**	**0.155**	4.91	4.77	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	15800	16000	3.63	0.947	0.0523	0.0438	0.225	0.231	70.7	69.0	**0.0155**	**0.0155**
10/19/08	**1.79**	**1.07**	0.169	0.156	**0.155**	**0.155**	12.8	12.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10400	9970	0.432	**0.161**	0.0319	0.0264	1.18	0.894	31.5	21.7	0.111	**0.0500**
Mean	9.59	1.42	0.0486	0.0476	0.155	0.155	5.87	5.58	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0087	0.0087	15200	15000	1.85	0.632	0.0577	0.0417	0.386	0.314	45.7	34.5	0.0591	0.0270
Median	7.67	1.00	0.0369	0.0356	0.155	0.155	5.02	4.80	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	15800	15800	1.31	0.721	0.0427	0.0338	0.291	0.239	54.1	28.0	0.0500	0.0155
St. Deviation	10.11	1.36	0.0467	0.0426	0	0	2.6	2.42	0	0	0	0	0	0	0.0037	0.0037	1800	2000	1.13	0.298	0.0359	0.0262	0.302	0.238	23.0	23.8	0.0507	0.0173
# of values	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	9	9	9	9
Minimum	1.79	0.704	0.0075	0.0075	0.155	0.155	4.78	4.46	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10400	9970	0.432	0.161	0.0300	0.0264	0.225	0.187	10.0	10.0	0.0155	0.0155
Maximum	35.3	5.05	0.169	0.156	0.155	0.155	12.8	12.0	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	16500	17100	3.65	1.00	0.133	0.110	1.18	0.894	70.7	69.0	0.139	0.0500
%of values undetected	0%	67%	22%	22%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	11%	33%	67%	100%
# of values between MDL and MRL	1	2	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.150	0.142	NA	NA	10.98	10.56276	NA	NA	4.740	4.551	1000	1000	1.160	1.052
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-38D																												
Sample Date																												
08/23/07	32.2	2.70	0.299	0.294	48.3	49.0	40.3	40.2	**0.0125**	**0.0125**	**0.0075**	**0.0075**	16.3	16.5	**0.0075**	**0.0075**	15600	15700	0.591	**0.166**	0.0512	0.0438	0.404	0.274	263	244	0.232	**0.0155**
Mean	32.2	2.7	0.299	0.294	48.3	49	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.591	0.166	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155
Median	32.2	2.7	0.299	0.294	48.3	49	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.591	0.166	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minimum	32.2	2.7	0.299	0.294	48.3	49	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.591	0.166	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155
Maximum	32.2	2.7	0.299	0.294	48.3	49	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.591	0.166	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.179	0.167	NA	NA	10.98	10.56276	NA	NA	5.788	5.556	1000	1000	1.562	1.363
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
P-06-37M																													
Sample Date																													
11/03/06		3580	3290	8.76	6.25	**0.000475**	**0.000475**	1.35	1.31	1.65	1.40	209	164	**0.155**	**0.155**	7610	**0.00310**	**0.00310**	4550	4370	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	3.26	3.44
03/23/07		3850	3920	5.11	5.05	**0.000411**	**0.000475**	1.34	1.34	1.17	1.07	190	192	**0.155**	**0.155**	10100	**0.00310**	**0.00310**	5120	5240	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	4.30	2.88
05/15/07		3690	3940	4.01		**0.000169**	**0.000475**	1.35	1.47	0.850		184	204	**0.155**	**0.155**	11000	**0.00310**	**0.00310**	4830	5370	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.84	
08/20/07		3420	3660	3.24	3.38	**0.000169**	**0.000475**	1.26	1.30	0.648	0.636	173	181	**0.155**	**0.155**	10800	**0.00310**	**0.00310**	4630	4840	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	8.50	4.44
11/17/07		3980	3770	2.73	2.44	**0.00250**	**0.000475**	1.28	1.26	0.673	0.595	193	193	**0.155**	**0.155**	10500	**0.00310**	**0.00310**	5150	4960	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.72	1.69
03/25/08		3580	3820	2.09	2.13	**0.000750**	**0.000750**	1.17	1.23	0.658		172	187	**0.155**	**0.155**	10400	**0.00310**	**0.00310**	4440	4750	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.76	2.81
05/24/08		3880	3710	2.06	2.01	**0.000750**	**0.000750**	0.948	1.02	0.310	0.393	191	188	**0.155**	**0.155**	10400	**0.00310**	**0.00310**	4660	4490	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.66	1.70
08/27/08		3520	3710	2.30	2.48	**0.000750**	**0.000750**	1.20	1.26	0.384	0.399	178	182	**0.155**	**0.155**	10100	**0.00310**	**0.00310**	4250	4530	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.09	2.36
10/19/08		3110	3010	5.77	0.373	**0.000750**	**0.000750**	0.0908	0.0788	2.02	1.66	517	493	**0.155**	**0.155**	9590	**0.00310**	**0.00310**	3870	3730	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
Mean		3620	3650	4.01	3.01	0.000747	0.0005969	1.11	1.14	0.929	0.879	223	220	0.155	0.155	10100	0.00310	0.00310	4610	4700	0.00500	0.00500	0.0500	0.0500	0.166	0.166	3.07	2.48
Median		3580	3710	3.24	2.46	0.000750	0.0004745	1.26	1.26	0.673	0.636	190	188	0.155	0.155	10400	0.00310	0.00310	4630	4750	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.76	2.59
St. Deviation		270	310	2.22	1.86	0.000701	0.0001452	0.40	0.42	0.578	0.504	111	103	0	0	1000	0	0	410	490	0	0	0	0	0.032	0.032	2.32	1.21
# of values		9	9	9	8	9	9	9	9	9	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8
Minimum		3110	3010	2.06	0.373	0.000169	0.0004745	0.0908	0.0788	0.31	0.393	172	164	0.155	0.155	7610	0.00310	0.00310	3870	3730	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	0.500
Maximum		3980	3940	8.76	6.25	0.0025	0.00075	1.35	1.47	2.02	1.66	517	493	0.155	0.155	11000	0.00310	0.00310	5150	5370	0.00500	0.00500	0.0500	0.0500	0.250	0.250	8.50	4.44
%of values undetected		0%	0%	0%	0%	89%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	11%	13%
# of values between MDL and MRL		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	23.20	23.13	NA	NA	5	4.6	NA	0.7817367	0.664	NA	NA	NA	NA	NA	NA	NA	NA	53.23	52.48
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-37S																													
Sample Date																													
11/03/06		2960	2610	4.10	0.574	**0.000475**	**0.000475**	0.142	0.119	1.03	0.825	527	451	**0.155**	**0.155**	7850	**0.00310**	**0.00310**	3720	3340	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.250**	**0.250**	1.62	**0.500**
03/23/07		3270	3290	0.582	0.402	**0.000169**	**0.000475**	0.132	0.133	1.16	1.10	551	548	**0.155**	**0.155**	9660	**0.00310**	**0.00310**	4220	4180	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	2.81	1.36
05/15/07		3040	3170	1.26	0.397	**0.000169**	**0.000475**	0.132	0.117	1.03	1.01	534	536	**0.155**	**0.155**	10300	**0.00310**	**0.00310**	3780	4030	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	1.39	1.19
08/20/07		2990	3010	1.10	0.318	**0.000703**	**0.00180**	0.122	0.124	0.937	0.898	514	520	**0.155**	**0.155**	10400	**0.00310**	**0.00310**	3980	3940	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	3.00	2.76
11/17/07		3220	3190	7.09	0.741	**0.00250**	**0.000475**	0.141	0.144	1.43	1.15	536	561	**0.155**	**0.155**	10100	**0.00310**	**0.00310**	4070	4150	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	**0.500**	
03/23/08																													
03/24/08		3170	3100	0.998	0.262	**0.000750**	**0.000750**	0.128	0.125	1.65	1.11	512	501	**0.155**	**0.155**	9770	**0.00310**	**0.00310**	3950	3880	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	2.00	**0.326**
05/25/08		3180	3060	1.65	0.576	**0.000750**	**0.000750**	**0.00750**	**0.00750**	1.89	1.76	526	527	**0.155**	**0.155**	9700	**0.00310**	**0.00310**	3870	3930	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	1.46	2.17
08/28/08		3110	3050	1.32	0.447	**0.000750**	**0.000750**	0.166	0.162	1.99	1.70	510	504	**0.155**	**0.155**	9960	**0.00310**	**0.00310**	3800	3830	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	**0.500**	1.50
10/19/08		3840	3700	2.53	2.42	**0.00155**	**0.00172**	1.19	1.14	0.681	0.481	185	170	**0.155**	**0.155**	9530	**0.00310**	**0.00310**	4730	4490	**0.00500**	**0.00500**	**0.05000**	**0.05000**	**0.155**	**0.155**	2.09	2.10
Mean		3200	3130	2.29	0.682	0.000868	0.000852	0.240	0.230	1.31	1.11	488	480	0.155	0.155	9700	0.00310	0.00310	4010	3970	0.00500	0.00500	0.0500	0.0500	0.166	0.166	1.71	1.49
Median		3170	3100	1.32	0.447	0.000750	0.000750	0.132	0.125	1.16	1.10	526	520	0.155	0.155	9770	0.00310	0.00310	3950	3940	0.00500	0.00500	0.0500	0.0500	0.155	0.155	1.62	1.43
St. Deviation		260	290	2.09	0.668	0.000736	0.000531	0.359	0.344	0.45	0.40	115	120	0	0	750	0	0	310	310	0	0	0	0	0.032	0.032	0.88	0.84
# of values		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8
Minimum		2960	2610	0.582	0.262	0.000169	0.0004745	0.00750	0.00750	0.681	0.481	185	170	0.155	0.155	7850	0.00310	0.00310	3720	3340	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.500	0.326
Maximum		3840	3700	7.09	2.42	0.00250	0.00180	1.19	1.14	1.99	1.76	551	561	0.155	0.155	10400	0.00310	0.00310	4730	4490	0.00500	0.00500	0.0500	0.0500	0.250	0.250	3.00	2.76
%of values undetected		0%	0%	0%	0%	78%	78%	11%	11%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	22%	13%
# of values between MDL and MRL		0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1]		NA	NA	NA	NA	0.012	0.012	NA	NA	26.68	26.60	NA	NA	5	4.6	NA	1.0388648	0.883	NA	NA	NA	NA	NA	NA	NA	NA	61.23	60.37
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-06-38D																													
Sample Date																													
08/23/07		4400	4560	90.6	91.3	**0.000695**	**0.000475**	1.13	1.16	0.420	0.401	1140	1170	**0.155**	**0.155**	7210	**0.00310**	**0.00310**	20000	20800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.36	1.82
Mean		4400	4560	90.6	91.3	0.000695	0.0004745	1.13	1.16	0.42	0.401	1140	1170	0.155	0.155	7210	0.00310	0.00310	20000	20800	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.36	1.82
Median		4400	4560	90.6	91.3	0.000695	0.0004745	1.13	1.16	0.42	0.401	1140	1170	0.155	0.155	7210	0.00310	0.00310	20000	20800	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.36	1.82
St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
# of values		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Minimum		4400	4560	90.6	91.3	0.000695	0.0004745	1.13	1.16	0.42	0.401	1140	1170	0.155	0.155	7210	0.00310	0.00310	20000	20800	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.36	1.82
Maximum		4400	4560	90.6	91.3	0.000695	0.0004745	1.13	1.16	0.42	0.401	1140	1170	0.155	0.155	7210	0.00310	0.00310	20000	20800	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.36	1.82
%of values undetected		0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%
# of values between MDL and MRL		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	32.52	32.42	NA	NA	5	4.6	NA	1.5528201	1.320	NA	NA	NA	NA	NA	NA	NA	NA	74.64	73.59
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
P-06-38M																									
	Sample Date																								
	03/27/08						194	147	139	2750	**3.36**	65.3	**0.0680**			0.949		0.682	**0.0680**	5.20	**0.00075**	**0.00075**	4.8		0.208
	05/22/08	7.38	4.71	122	119.0	4.71	147	125	145	42.1	**1.57**	72.8	**0.0980**			**0.00775**		0.691	**0.0800**	5.19	**0.00250**	**0.00250**	**0.155**	**0.250**	**0.0155**
	08/27/08	7.32	7.54	119	94.4	7.54	144	124	143	5750	**1.57**	69.4	0.0462			5.27		0.571	**0.0840**	5.74	**0.00075**	**0.00075**	**0.340**	**0.250**	**0.0500**
	10/21/08	7.64	1.43	122	114.6	1.43	94.5	132	119	2220	**1.57**	65.3	**0.0390**			1.62		0.821	**0.0700**	5.03	**0.00075**	**0.00075**	1.00	**0.294**	**0.0155**
	Mean	7.45	4.56	121	109.0	0	145	132	137	2690	2.02	68.2	0.0628	NA	NA	1.96	NA	0.691	0.0755	5.29	0.00119	0.00119	1.60	0.265	0.0723
	Median	7.38	4.71	122	114.6	4.71	146	129	141	2490	1.57	67.4	0.0571	NA	NA	1.28	NA	0.687	0.0750	5.20	0.00075	0.00075	0.70	0.250	0.0328
	St. Deviation	0.17	3.06	2	13.0	0	41	11	12	2350	0.9	3.6	0.0265	NA	NA	2.3	NA	0.102	0.0077	0.31	0.00088	0.00088	2.20	0.025	0.0919
	# of values	3	3	3	3	3	4	4	4	4	4	4	4	0	0	4	0	4	4	4	4	4	4	3	4
	Minimum	7.32	1.43	119	94.4	1.43	94.5	124	119	42.1	1.57	65.3	0.0390	NA	NA	0.00775	NA	0.571	0.0680	5.03	0.00075	0.00075	0.155	0.250	0.0155
	Maximum	7.64	7.54	122	119.0	7.54	194	147	145	5750	3.36	72.8	0.0980	NA	NA	5.27	NA	0.821	0.0840	5.74	0.00250	0.00250	4.8	0.294	0.208
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	0%	0%			25%		0%	0%	0%	100%	100%	25%	67%	75%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	0	1	0	3			0		0	4	0	0	0	1	1	0
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	3.92
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
	%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	NA	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
P-4AS																									
	Sample Date																								
	11/08/05	7.35	2.86	150	182	2.86	46.4	140	92.5	2.00	11.5	25	0.11			0.069		0.689	0.215	42.9	**0.00125**	**0.00125**	**0.14**		**0.0155**
	03/09/06	6.56	2.88	104	124.0	2.88	43.0	125	77.5	**0.150**	8.50	88.0	0.109			0.0630		0.717	0.111	32.7	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/20/06	5.94	3.04	236	224.0	3.04	92.3	230	190	**0.200**	15.8	37.0	**0.0155**			0.0520		0.795	0.152	79.9	**0.00125**	**0.00125**	**0.155**		**0.0370**
	08/19/06	6.30	3.55	129	167.9	3.55	52.6	160	129	**0.200**	13.0	30.0	**0.0155**	**0.0155**	**0.0155**	0.0640		0.804	0.163	55.3	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/26/06	6.99	2.99	225	192.2	2.99	90.3	210	165	**0.300**	13.3	28.5	**0.0670**	**0.0155**	**0.0670**	0.0666		0.810	0.201	83.4	**0.00075**	**0.00075**	**0.155**		**0.0500**
	03/16/07	5.90	2.24	70	213.3	2.24	54.6	120	95.0	**0.075**	15.8	29.0	**0.0815**	**0.0155**	**0.0690**	0.0520		0.655	0.119	34.4	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/13/07	6.20	3.15	124	162.6	3.15	96.1	235	144	**0.800**	16.5	41.0	0.235			0.0372		0.835	0.118	71.1	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/18/07	6.12	3.83	70	158.3	3.83	43.2	125	75.0	**0.300**	19.5	27.5	**0.0885**			0.0417		0.702	0.124	32.3	**0.00075**	**0.00075**	**0.155**		**0.0649**
	11/09/07	6.26	3.17	147	102.0	3.17	59.2	120	126	**0.400**	12.5	27.8	**0.0625**			0.0472		0.751	0.126	50.0	**0.00150**	**0.00075**	**0.155**		**0.0155**
	03/26/08	6.90	3.19	133	153.6	3.19	50.2	152	103	0.821	**7.12**	28.7	0.131			0.0377		0.708	0.112	36.1	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/20/08	6.16	3.62	256	177.1	3.62	97.6	261	165	0.600	18.5	36.4	**0.0595**			0.0331		0.746	0.103	81.6	**0.00250**	0.00650	**0.310**	**0.075**	**0.0155**
	08/26/08	6.17	3.59	127	166.1	3.59	49.8	148	133	**0.500**	**9.42**	26.1	0.114			0.0283		0.742	0.139	38.9	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/21/08	6.16	2.87	193	222.1	2.87	81.7	230	148	**0.0775**	**1.57**	32.9	**0.0590**			0.0299		0.673	0.129	64.3	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
	Mean	6.39	3.15	151	172.7	3	65.9	170	126	0.494	12.5	35.2	0.0883	0.0155	0.0505	0.0478	NA	0.741	0.139	54.1	0.00106	0.00131	0.166	0.133	0.0316
	Median	6.20	3.15	133	167.9	3.15	54.6	152	129	0.300	13.0	29.0	0.0815	0.0155	0.0670	0.0472	NA	0.742	0.126	50.0	0.00075	0.00075	0.155	0.075	0.0155
	St. Deviation	0.44	0.42	60	35.7	0	21.9	50	36	0.517	5.0	16.5	0.0565	0	0.0303	0.0144	NA	0.057	0.035	19.8	0.00051	0.00158	0.044	0.101	0.0189
	# of values	13	13	13	13	13	13	13	13	13	13	13	13	3	3	13	0	13	13	13	13	13	13	3	13
	Minimum	5.90	2.24	70	102.0	2.24	43.0	120	75.0	0.075	1.57	25	0.0155	0.0155	0.0155	0.0283	NA	0.655	0.103	32.3	0.00075	0.00075	0.14	0.075	0.0155
	Maximum	7.35	3.83	256	224.0	3.83	97.6	261	190	2.00	19.5	88.0	0.235	0.0155	0.0690	0.069	NA	0.835	0.215	83.4	0.00250	0.00650	0.310	0.250	0.0649
	%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	23%	8%	0%	15%	100%	33%	0%		0%	0%	0%	92%	92%	85%	100%	85%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	7	2	0	6	0	2	0		0	0	0	1	0	2	0	2
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	5.58
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	%of CALC exceedences	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	8%	0%	0%
	%of DWS exceedences	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
P-06-38M																												
Sample Date																												
03/27/08	74500	6020	**0.0300**	**0.0741**	16.8	6.91	647	66.1	2.47	0.171	0.442	**0.0329**	**5.00**	**2.50**	0.495	**0.0396**	35300	15000	62.5	4.25	35.8	2.27	97.3	6.63	82300	6200	34.3	2.45
05/22/08	74800	3260	0.0956	0.0589	12.2	5.93	847	43.5	1.98	0.0974	0.579	**0.0221**	**3.18**	**3.40**	0.576	**0.0167**	26000	12000	71.7	2.61	43.2	1.37	112	3.94	87600	3420	48.5	1.47
08/27/08	34600	2.86	0.0681	**0.0322**	16.5	5.14	433	16.2	1.95	**0.0125**	**0.293**	**0.0075**	**12.5**	**3.87**	0.308	**0.0075**	29900	12500	34.0	**0.100**	20.9	0.0411	55.5	0.201	44800	42.5	24.1	**0.0155**
10/21/08	26800	3.61	**0.0250**	**0.0250**	12.1	5.78	286	18.3	1.18	**0.0125**	0.299	**0.0075**	5.10	**4.06**	0.192	**0.0075**	19800	13800	26.7	0.403	13.9	0.0406	38.0	0.516	31000	38.1	17.3	**0.0155**
Mean	52700	2322	0.055	0.0476	14.4	5.94	553	36.0	1.90	0.0734	0.403	0.0175	6.40	3.5	0.393	0.0178	27800	13300	48.7	1.84	28.5	0.930	75.7	2.82	61400	2425	31.1	0.988
Median	54600	1632	0.049	0.0456	14.4	5.86	540	30.9	1.97	0.0550	0.371	0.0148	5.10	3.6	0.402	0.0121	28000	13200	48.3	1.51	28.4	0.706	76.4	2.23	63600	1731	29.2	0.743
St. Deviation	25600	2905	0.033	0.0229	2.6	0.73	246	23.6	0.53	0.0764	0.136	0.0124	4.10	0.7	0.175	0.0152	6500	1400	21.8	1.96	13.4	1.091	34.7	3.05	27800	2978	13.6	1.19
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	26800	2.86	0.0250	0.0250	12.1	5.14	286	16.2	1.18	0.0125	0.293	0.0075	3.18	2.50	0.192	0.0075	19800	12000	26.7	0.100	13.9	0.0406	38.0	0.201	31000	38.1	17.3	0.0155
Maximum	74800	6020	0.0956	0.0741	16.8	6.91	847	66.1	2.47	0.171	0.579	0.0329	12.5	4.06	0.576	0.0396	35300	15000	71.7	4.25	43.2	2.27	112	6.63	87600	6200	48.5	2.45
%of values undetected	0%	0%	50%	25%	0%	0%	0%	0%	0%	50%	0%	50%	50%	25%	0%	50%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	50%
# of values between MDL and MRL	0	0	0	2	0	0	0	0	0	0	1	2	1	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.274	0.249	NA	NA	10.98	10.56276	NA	NA	9.482	9.103	1000	1000	3.260	2.569
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	0%	0%	0%	100%	0%	0%	0%	100%	0%	100%	50%	100%	0%
%of DWS exceedences	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
P-4AS																												
Sample Date																												
11/08/05	106	4.3	0.0158	0.0104	0.605	**0.25**	12.9	13.1	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**4.5**	**1.55**	**0.00775**	**0.00775**	12100	12400	3.08	1.03	0.271	0.215	0.748	0.472	161	**11.5**	0.114	0.149
03/09/06	6.61	**1.00**	**0.0298**	**0.0240**	0.800	**0.421**	12.0	10.9	**0.0120**	**0.0120**	**0.0250**	**0.0250**	**2.32**	**1.89**	**0.0125**	**0.0125**	11100	11100	6.39	1.52	0.0654	0.0564	0.539	0.367	41.7	25.5	0.0596	**0.0250**
05/20/06	12.8	3.36	**0.0352**	**0.0404**	**0.155**	**0.315**	23.9	26.6	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	24000	26100	1.02	0.620	0.0706	0.0776	0.729	0.718	21.4	**9.60**	**0.0378**	0.0612
08/19/06	7.10	2.64	**0.0268**	**0.0214**	0.550	0.534	13.8	14.3	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	14000	14100	2.10	0.534	0.0548	0.0548	0.593	0.507	**17.8**	**7.26**	0.132	0.192
10/26/06	14.6	5.18	**0.0075**	**0.0075**	**0.155**	**0.155**	22.2	22.0	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	24700	27400	1.67	0.386	0.0624	0.0550	2.35	1.99	31.4	**10.0**	**0.0500**	**0.0155**
03/16/07	5.06	2.76	**0.0250**	**0.0250**	**0.438**	**0.482**	12.5	13.0	**0.0250**	**0.0125**	**0.0075**	**0.0075**	**2.50**	**1.25**	**0.0075**	**0.0075**	14600	13200	1.11	0.337	0.0364	0.0284	1.32	1.02	21.7	**10.0**	**0.0500**	
05/13/07	13.8	**1.00**	**0.0344**	**0.0346**	**0.155**	**0.155**	25.3	25.2	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.58**	**0.0190**	**0.0152**	25700	25300	1.16	0.489	0.0552	0.0476	1.28	0.903	80.1	64.3	**0.0155**	**0.0500**
08/18/07	14.5	2.22	**0.0240**	**0.0224**	**0.319**	**0.155**	12.2	12.5	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.55**	**3.11**	**0.0075**	**0.0075**	11200	12800	1.38	0.561	0.0372	0.0308	1.02	1.08	22.0	**10.0**	**0.0155**	**0.0155**
11/09/07	9.44	**1.00**	**0.0250**	**0.0075**	**0.155**	**0.155**	15.9	16.7	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0214**	16100	17200	1.49	0.619	0.0350	0.0308	0.892	0.719	51.3	42.9	**0.0155**	**0.0155**
03/26/08	54.7	**1.78**	**0.0245**	**0.0208**	**0.155**	**0.155**	14.6	14.6	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	13000	13200	2.47	0.731	0.0827	0.0364	2.11	0.932	128	65.0	**0.0526**	**0.0155**
05/20/08	4.34	2.30	**0.0171**	**0.0075**	**0.155**	**0.155**	28.1	29.3	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0215**	**0.0220**	25900	26900	0.767	0.458	0.0419	0.0358	0.869	0.764	87.1	80.0	**0.0500**	**0.0155**
08/26/08	2.15	**1.00**	**0.0213**	**0.0215**	**0.155**	**0.155**	13.5	13.8	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**2.50**	**2.65**	**0.0075**	**0.0075**	13300	13700	1.01	0.373	0.0241	0.0244	0.451	0.452	45.2	45.8	**0.0155**	**0.0155**
10/21/08	3.79	**1.60**	**0.0075**	**0.0250**	**0.155**	**0.155**	20.4	23.2	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**2.94**	**0.0075**	**0.0182**	21900	24800	1.49	0.459	0.0384	0.0461	1.23	1.26	63.9	71.3	**0.0155**	**0.0155**
Mean	19.6	2.32	0.0226	0.0206	0.304	0.249	17.5	18.1	0.0130	0.0120	0.0084	0.0084	1.84	1.77	0.0119	0.0136	17500	18300	1.93	0.624	0.0673	0.0569	1.087	0.86	59.4	34.9	0.0480	0.0488
Median	9.44	2.22	0.0245	0.0215	0.155	0.155	14.6	14.6	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.0125	14600	14100	1.49	0.534	0.0548	0.0461	0.892	0.764	45.2	25.5	0.0500	0.0155
St. Deviation	29.2	1.33	0.0088	0.0103	0.222	0.141	5.7	6.3	0.0039	0.0014	0.0053	0.0053	1.01	0.78	0.0055	0.0057	5900	6600	1.49	0.325	0.0635	0.0498	0.58	0.433	44.4	27.7	0.0376	0.0596
# of values	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12
Minimum	2.15	1.00	0.0075	0.0075	0.155	0.155	12.0	10.9	0.0075	0.0075	0.00155	0.00155	0.75	0.75	0.0075	0.0075	11100	11100	0.767	0.337	0.0241	0.0244	0.451	0.367	17.8	7.26	0.0155	0.0155
Maximum	106	5.18	0.0352	0.0404	0.800	0.534	28.1	29.3	0.0250	0.0125	0.0250	0.0250	4.5	3.11	0.0215	0.0220	25900	27400	6.39	1.52	0.271	0.215	2.35	1.99	161	80.0	0.132	0.192
%of values undetected	0%	31%	23%	38%	62%	69%	0%	0%	100%	100%	100%	100%	69%	62%	85%	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	62%	75%
# of values between MDL and MRL	0	2	9	7	2	3	0	0	0	0	0	0	4	5	2	4	0	0	0	0	0	0	0	0	1	3	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.145	0.137	NA	NA	10.98	10.56276	NA	NA	4.546	4.365	1000	1000	1.090	0.996
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
P-06-38M																														
Sample Date																														
03/27/08	25800	6140	3190	328	0.0584	0.0215	0.208		50.1	3.85	5780	1880	**0.620**	**0.310**	17900	0.390	**0.0271**	7650	5000	0.299	**0.0291**	1.94	**0.267**	136	11.9	236	16.8
05/22/08	19900	4940	3550	214	**0.000750**	**0.00211**	0.132		56.6	2.14	4340	1420	**0.505**	**0.155**	13400	0.482	**0.0160**	4780	4100	0.406	**0.0166**	1.72	**0.179**	143	6.71	224	9.41
08/27/08	17000	4570	1850	126	0.0916	**0.000750**	0.25		27.6	0.38	3950	1190	**0.630**	**0.155**	8780	0.205	**0.00310**	5670	4300	**0.197**	**0.00500**	1.91	**0.0500**	83.9	**0.155**	129	**0.500**
10/21/08	10900	4990	1220	91.2	0.0503	0.00743	0.278		19.5	0.748	2750	1250	**0.155**	**0.155**	9560	0.167	**0.00310**	4720	4810	0.144	**0.00500**	1.93	**0.154**	59.4	**0.155**	87.9	1.15
Mean	18400	5160	2450	190	0.0503	0.00795	0.217	NA	38.5	1.78	4210	1440	0.48	0.194	12410	0.311	0.0123	5710	4600	0.262	0.0140	1.88	0.163	106	4.73	169	6.97
Median	18500	4970	2520	170	0.0544	0.00477	0.229	NA	38.9	1.44	4150	1340	0.56	0.155	11480	0.298	0.00955	5230	4600	0.248	0.0110	1.92	0.167	110	3.43	177	5.28
St. Deviation	6200	680	1100	106	0.0375	0.00948	0.064	NA	17.7	1.57	1250	310	0.22	0.077	4180	0.150	0.0116	1370	400	0.116	0.0110	0.10	0.089	41	5.69	72	7.71
# of values	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	10900	4570	1220	91.2	0.00075	0.00075	0.132	NA	19.5	0.38	2750	1190	0.155	0.155	8780	0.167	0.00310	4720	4100	0.144	0.00500	1.72	0.0500	59.4	0.155	87.9	0.500
Maximum	25800	6140	3550	328	0.0916	0.0215	0.278	NA	56.6	3.85	5780	1880	0.63	0.31	17900	0.482	0.0271	7650	5000	0.406	0.0291	1.94	0.267	143	11.9	236	16.8
%of values undetected	0%	0%	0%	0%	25%	25%	0%		0%	0%	0%	0%	50%	100%	0%	0%	50%	0%	0%	0%	50%	0%	25%	0%	50%	0%	25%
# of values between MDL and MRL	0	0	0	0	0	1	0		0	0	0	0	2	0	0	0	2	0	0	1	2	0	3	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	53.01	52.85	NA	NA	5	4.6	NA	4.194139	3.565	NA	NA	NA	NA	NA	NA	NA	NA	121.77	120.06
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	75%	25%	0%	NA	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	0%
%of DWS exceedences	0%	0%	100%	0%	0%	0%	0%	#DIV/0!	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P-4AS																														
Sample Date																														
11/08/05	3920	4050	4.05	1.67	**0.031**	**0.031**	0.368	0.416	4.05	3.7	1270	1290	**0.0775**	**0.0775**	10600	**0.0031**	**0.0031**	6570	6590	**0.0031**	**0.0031**	**0.031**	**0.031**	1.64	1.18	2.88	2.84
03/09/06	3680	3970	1.28	1.21	**0.00250**	**0.00250**	0.449	0.328	5.36	4.49	1240	1240	**0.155**	**0.155**	9310	**0.00310**	**0.00310**	5430	5430	**0.00540**	**0.00250**	**0.0155**	**0.0155**	1.21	1.03	3.25	3.45
05/20/06	7850	9050	1.96	1.97	**0.000475**	**0.00102**	0.163	0.189	5.30	5.69	1760	2000	**0.155**	**0.155**	10600	**0.00310**	**0.00310**	6490	7530	**0.00250**	**0.00250**	**0.0155**	**0.0155**	1.42	1.38	2.66	3.25
08/19/06	4290	4400	1.23	1.13	**0.000475**	**0.000475**	0.252	0.243	3.40	3.33	1380	1390	**0.155**	**0.155**	9970	**0.00310**	**0.00310**	5270	5260	**0.0126**	**0.0150**	**0.0500**	**0.0500**	1.76	1.51	2.32	
10/26/06	6940	7510	3.63		**0.000475**	**0.000475**	0.189	0.217	4.54	4.39	1590	1690	**0.155**	**0.155**	10700	**0.00310**	**0.00310**	6550	6780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.549**	**0.773**	1.98	2.31
03/16/07	4400	4010	1.10	0.896	**0.000169**	**0.000475**	0.137	0.163	3.33	3.42	1380	1260	**0.155**	**0.155**	9230	**0.00310**	**0.00310**	4620	4230	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.27	**0.990**	3.03	2.90
05/13/07	7740	7650	2.27	2.08	**0.000169**	**0.000475**	0.153	0.150	5.23	5.06	1690	1670	**0.155**	**0.155**	10600	**0.00310**	**0.00310**	5830	5760	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.714**	**0.718**	2.68	2.50
08/18/07	3670	3900	1.08	1.03	**0.00250**	**0.000475**	0.174	0.173	3.08	3.45	1070	1250	**0.155**	**0.155**	10500	**0.00310**	**0.00310**	3940	4260	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.09	**0.751**	1.65	2.42
11/09/07	4580	4760	1.28	1.17	**0.000169**	**0.000475**	0.173	0.177	3.57	3.61	1380	1410	**0.155**	**0.155**	10500	**0.00310**	**0.00310**	4380	4500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.05	**0.976**	2.49	2.92
03/26/08	4320	4640	3.87	1.06	**0.000750**	**0.000750**	0.153	0.154	4.22	3.87	1250	1290	**0.155**	**0.155**	10800	**0.00310**	**0.00310**	4010	4320	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.890**	**0.679**	2.03	2.17
05/20/08	8000	8210	1.76	1.92	**0.000750**	**0.000750**	0.0941	0.0745	5.88	6.14	1660	1740	**0.155**	**0.155**	11600	**0.00310**	**0.00310**	5010	5260	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.552**	**0.636**	3.65	3.74
08/26/08	4000	4160	0.899	0.938	**0.000750**	**0.000750**	0.135	0.145	3.27	3.25	1230	1270	**0.155**	**0.155**	9890	**0.00310**	**0.00310**	3820	3950	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.642**	**0.599**	1.53	1.64
10/21/08	6580	7180	1.53	1.55	**0.000750**	**0.000750**	0.195	0.225	4.54	4.91	1550	1700	**0.155**	**0.155**	11200	**0.00310**	**0.00310**	5520	6010	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.715**	**0.791**	2.57	2.56
Mean	5380	5650	2.00	1.39	0.00315	0.00311	0.203	0.204	4.29	4.25	1420	1480	0.149	0.149	10400	0.00310	0.00310	5190	5380	0.00528	0.00524	0.0432	0.0432	1.04	0.924	2.52	2.73
Median	4400	4640	1.53	1.19	0.00075	0.00075	0.173	0.177	4.22	3.87	1380	1390	0.155	0.155	10600	0.00310	0.00310	5270	5260	0.00500	0.00500	0.0500	0.0500	1.05	0.791	2.57	2.70
St. Deviation	1740	1930	1.13	0.43	0.00840	0.00840	0.1	0.087	0.94	0.95	210	250	0.021	0.021	700	0	0	990	1120	0.00236	0.00310	0.0134	0.0134	0.41	0.288	0.62	0.58
# of values	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12
Minimum	3670	3900	0.899	0.896	0.000169	0.0004745	0.0941	0.0745	3.08	3.25	1070	1240	0.0775	0.0775	9230	0.00310	0.00310	3820	3950	0.00250	0.00250	0.0155	0.0155	0.549	0.599	1.53	1.64
Maximum	8000	9050	4.05	2.08	0.031	0.031	0.449	0.416	5.88	6.14	1760	2000	0.155	0.155	11600	0.00310	0.00310	6570	7530	0.0126	0.0150	0.0500	0.0500	1.76	1.51	3.65	3.74
%of values undetected	0%	0%	0%	0%	100%	92%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	85%	92%	100%	100%	0%	0%	0%	0%
# of values between MDL and MRL	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	6	9	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	25.60	25.53	NA	NA	5	4.6	NA	0.9550969	0.812	NA	NA	NA	NA	NA	NA	NA	NA	58.75	57.92
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	8%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Field pH	Field Dissolved Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Laboratory Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Thiocyanate	DOC (Dissolved Organic Carbon)	Total Ammonia[3]
	Total/Dissolved																								
	Units	pH Units	mg/L	µmhos/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
PQ-4																									
Sample Date																									
11/09/05	6.31	1.78	109	164	1.78	28.0	100	104	19.1	17.1	25	**0.05**			0.56		0.883	**0.067**	38.8	**0.0025**	**0.00125**	**0.36**		**0.0155**
03/09/06	6.33	1.94	85	155.0	1.94	24.0	105	80.0	1.22	19.5	**1.55**	0.144			0.143		0.888	**0.0840**	50.4	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/19/06	5.40	2.67	97	202.7	2.67	24.2	100	60.0	**0.075**	12.5	**1.55**	**0.0335**			0.118		0.813	0.154	41.3	**0.00125**	**0.00250**	**0.155**		**0.0500**
08/18/06	5.55	3.00	92	153.3	3.00	22.3	900	106	**0.300**	23.5	**1.55**	**0.0155**	**0.0500**	**0.0155**	0.129		0.837	0.114	43.1	**0.00075**	**0.00075**	**0.155**		**0.0155**
10/28/06	5.38	2.45	97	188.7	2.45	21.4	90.0	82.5	**0.075**	25.0	**1.55**	**0.0155**	**0.0155**	**0.0155**	0.149	0.170	0.686	**0.0650**	35.6	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/16/07	4.39	2.10	50	161.0	2.10	24.9	80.0	82.5	**0.200**	27.0	**1.55**	**0.0440**	**0.0155**	**0.0360**	0.137		0.716	**0.0640**	34.7	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/12/07	4.68	3.34	54	182.3	3.34	7.43	27.0	23.8	**0.200**	**6.00**	**7.00**	0.371			**0.0065**		0.946	**0.0340**	2.76	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/18/07	4.55	2.99	52	175.8	2.99	21.2	95.0	72.5	**0.400**	41.5	**1.55**	**0.0155**			0.135		0.682	**0.0620**	35.1	**0.00075**	**0.00075**	**0.155**		**0.0640**
11/17/07	4.87	1.98	92	192.8	1.98	25.5	95.0	80.0	**0.094**	19.8	**1.55**	**0.0155**			0.135		0.714	**0.0720**	36.0	**0.00075**	**0.00075**	**0.155**		**0.0155**
03/25/08	5.23	2.64	94	150.8	2.64	22.5	102	87.5	0.600	15.2	**1.55**	0.167			0.125		0.708	**0.0690**	35.9	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/24/08	4.63	2.71	97	150.0	2.71	23.3	94.4	96.3	**0.300**	12.0	**1.55**	0.126			0.132		0.741	**0.0630**	35.6	**0.00250**	**0.00250**	**0.155**	**0.250**	**0.0155**
08/28/08	4.38	2.84	93	70.2	2.84	22.8	96.0	68.8	**0.1665**	13.4	**1.55**	**0.0100**			0.124		0.751	**0.0820**	38.2	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0155**
10/21/08	4.94	2.40	97	212.9	2.40	22.0	102	67.5	**0.0785**	17.4	**1.55**	**0.0155**			0.118		0.792	**0.0730**	35.3	**0.00075**	**0.00075**	**0.155**	**0.075**	**0.0500**
Mean		5.13	2.53	85	166.1	3	22.3	153	77.8	1.755	19.2	3.77	0.0787	0.0270	0.0223	0.155	0.17	0.781	0.0772	35.6	0.00110	0.00110	0.171	0.192	0.0272
Median		4.94	2.64	93	164	2.64	22.8	96.0	80.0	0.200	17.4	1.55	0.0335	0.0155	0.0155	0.132	0.170	0.751	0.0690	35.9	0.00075	0.00075	0.155	0.250	0.0155
St. Deviation		0.66	0.47	20	35.5	0	4.8	225	21.3	5.221	8.8	6.55	0.1035	0.0199	0.0118	0.127	NA	0.086	0.0291	10.8	0.00065	0.00065	0.057	0.101	0.0186
# of values		13	13	13	13	13	13	13	13	13	13	13	13	3	3	13	1	13	13	13	13	13	13	3	13
Minimum		4.38	1.78	50	70.2	1.78	7.43	27.0	23.8	0.075	6.00	1.55	0.0100	0.0155	0.0155	0.0065	0.170	0.682	0.0340	2.76	0.00075	0.00075	0.155	0.075	0.0155
Maximum		6.33	3.34	109	212.9	3.34	28.0	900	106	19.1	41.5	25	0.371	0.0500	0.0360	0.56	0.170	0.946	0.154	50.4	0.0025	0.00250	0.36	0.250	0.0640
%of values undetected		0%	0%	0%	0%	0%	0%	0%	0%	38%	0%	85%	54%	100%	67%	0%	0%	0%	0%	0%	100%	100%	92%	100%	92%
# of values between MDL and MRL		0	0	0	0	0	0	0	0	5	1	1	2	0	1	1	0	0	11	0	0	0	1	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.80
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK-2																									
Sample Date																									
03/23/05	7.79	2.44	266		2.44	103	300	199	14.0	**0.785**	150	**0.0155**			0.123		0.885	**0.091**	20.6	**0.00125**	**0.00125**	**0.21**		**0.0155**
05/15/05	6.84	3.75	321	-12	3.75	120	310	212	0.90	**2.38**	153	**0.06**			0.047		0.814	**0.081**	17.5	**0.00125**	**0.00125**	**0.074**		**0.0155**
08/19/05	7.85	4.13	279	-115	4.13	123	305	186	7.80	**2.00**	154	**0.0425**			**0.016**		0.827	**0.071**	19.8	**0.00125**	**0.00125**	**0.30**		**0.0155**
11/07/05	7.67	1.43	320	-16	1.43	92.6	305	154	7.80	**3.75**	150	**0.05**			**0.017**		0.817	**0.093**	18.3	**0.00125**	**0.00125**	**0.14**		**0.0155**
03/09/06	6.38	1.87	267	1.3	1.87	122	310	135	18.1	**1.57**	158	**0.0155**			0.0300		0.859	**0.0750**	19.2	**0.00125**	**0.00125**	**0.155**		**0.050**
05/20/06	7.00	2.82	294	123.7	2.82	109	290	163	5.70	**0.785**	156	0.128			0.0100		0.821	**0.0890**	17.6	**0.00125**	**0.00125**	**0.155**		**0.0420**
08/19/06	6.70	3.87	300	120.2	3.87	121	300	189	4.90	**3.75**	154	**0.0155**	**0.0155**	**0.0155**	**0.0098**	**0.05**	0.824	**0.0900**	17.9	**0.00075**	**0.00075**	**0.155**		**0.0155**
10/26/06	6.98	1.43	324	151.6	1.43	119	280	178	41.0	**1.57**	164	**0.0155**	**0.0155**	**0.0155**	0.0330	**0.05**	0.850	**0.0970**	17.7	**0.00075**	**0.00075**	**0.155**		**0.050**
03/16/07	7.97	1.85	159	-119.9	1.85	122	280	173	4.00	**1.57**	154	**0.0395**	**0.0155**	**0.0155**	0.0130	**0.05**	0.704	**0.0700**	16.6	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/15/07	7.72	2.73	176	-116.6	2.73	112	315	173	2.80	**1.57**	156	**0.0500**			**0.0077**		0.853	**0.0910**	16.7	**0.00075**	**0.00075**	**0.155**		**0.0386**
08/19/07	7.68	3.24	169	-121.5	3.24	111	305	179	2.50	**5.25**	151	**0.0155**			**0.0084**		0.703	**0.0810**	16.4	**0.00075**	**0.00075**	**0.155**		**0.0906**
11/09/07	7.60	2.48	297	33.2	2.48	123	310	163	1.44	**1.57**	156	**0.0155**			0.0170		0.740	**0.0860**	16.6	**0.00150**	**0.00075**	**0.155**		0.154
03/27/08	7.02	2.28	284	-7.3	2.28	104	338	183	4.10	**1.57**	159	**0.0320**			0.0323		0.740	**0.0760**	16.0	**0.00075**	**0.00075**	**0.155**		0.166
05/20/08	7.83	3.38	312	-135.8	3.38	111	338	178	87.3	**1.57**	160	**0.0155**			0.0823		0.747	**0.083**	15.9	**0.00250**	0.0051	**0.155**	**0.075**	**0.0155**
08/27/08	7.90	3.07	287	49.6	3.07	112	330	148	2.29	**1.57**	160	**0.050**			**0.0050**		0.737	0.228	16.9	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
10/20/08	7.86	2.29	305	-161.9	2.29	119	328	164	9.79	**1.57**	160	**0.0425**			**0.0072**		0.747	**0.078**	14.9	**0.00075**	**0.00075**	**0.155**	0.511	**0.0500**
Mean		7.42	2.69	273	-21.8	0	114	309	174	13.4	2.05	156	0.0377	0.0155	0.0155	0.029	0.05	0.792	0.093	17.4	0.0011	0.00121	0.162	0.279	0.0500
Median		7.68	2.61	291	-12	0	116	308	176	5.30	1.57	156	0.0358	0.0155	0.0155	0.017	0.0500	0.816	0.085	17.2	0.0010	0.00075	0.155	0.250	0.0403
St. Deviation		0.51	0.84	55	103.6	0	9	18	19	22.0	1.19	4	0.029	0	0	0.032	0	0.059	0.037	1.5	0.0005	0.00107	0.045	0.219	0.0479
# of values		16	16	16	15	16	16	16	16	16	16	16	16	3	3	16	3	16	16	16	16	16	16	3	16
Minimum		6.38	1.43	159	-161.9	1.43	92.6	280	135	0.90	0.785	150	0.0155	0.0155	0.0155	0.005	0.0500	0.703	0.0700	14.9	0.00075	0.00075	0.074	0.075	0.0155
Maximum		7.97	4.13	324	151.6	4.13	123	338	212	87.3	5.25	164	0.128	0.0155	0.0155	0.123	0.0500	0.885	0.228	20.6	0.0025	0.0051	0.30	0.511	0.166
%of values undetected		0%	0%	0%	0%	0%	0%	0%	0%	0%	69%	0%	56%	100%	100%	6%	100%	0%	0%	0%	94%	94%	75%	67%	69%
# of values between MDL and MRL		0	0	0	0	0	0	0	0	0	5	0	6	0	0	6	0	0	15	0	1	0	4	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	2.73
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PQ-4																												
Sample Date																												
11/09/05	1370	92.5	0.268	0.244	10.6	9.89	7.19	6.17	0.0878	0.061	**0.00155**	**0.00155**	**3.8**	**1.55**	0.113		7650	7300	1.16	0.442	3.81	3.54	569	476	1670	1370	0.941	0.218
03/09/06	199	152	0.328	0.275	10.8	9.15	3.56	3.20	0.0620	0.0380	**0.0250**	**0.0250**	**3.58**	**1.53**	0.329	0.308	6730	6060	0.889	0.660	3.34	3.09	962	898	943	799	0.958	
05/19/06	197	219	0.246		7.91	8.80	2.73		**0.0274**	0.0502	**0.0075**	**0.0075**	**0.75**	**0.75**	0.251	0.256	6810	6140	0.587	**0.0500**	3.28	3.13	1030	943	797	739	0.205	0.161
08/18/06	180	186	0.218	0.259	7.42	8.83	2.37	2.60	**0.0430**	**0.0348**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.234	0.272	6180	6920	0.885	0.306	3.08	3.45	1010	1090	699	762	0.174	0.187
10/28/06	156	151	0.254	0.255	7.43	7.75	2.40	2.52	**0.0125**	**0.0358**	**0.0152**	**0.0075**	**1.25**	**1.25**	0.214	0.231	6010	6140	**0.0500**	**0.0500**	3.40	3.50	1030	1040	718	756	0.115	0.123
03/16/07	241	216	0.368	0.254	7.65	7.33	2.52	2.38	**0.0250**	**0.0250**	**0.0150**	**0.0150**	**2.50**	**2.50**	0.274	0.246	6870	6900	2.25	0.677	3.50	3.19	1180	1060	750	674	**0.100**	**0.100**
05/12/07	11.5	4.48	**0.0075**	**0.0152**	**0.155**	**0.155**	4.94	5.15	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2250	2500	3.65	0.568	0.0308	0.0262	0.416	0.317	24.2	**10.0**	**0.0500**	**0.0500**
08/18/07	215	216	0.222	0.239	6.93	7.59	2.12	2.21	**0.0456**	**0.0462**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.228	0.254	5760	6590	0.832	0.526	3.10	3.62	1110	1210	564	667	0.152	0.173
11/17/07	229	216	0.256	0.230	7.49	7.08	2.29	2.14	**0.0424**	**0.0444**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.256	0.247	7030	6660	0.869	0.496	3.53	3.37	1050	1100	676	637	**0.0500**	**0.0500**
03/25/08	192	197	0.211	0.218	7.03	7.07	2.01	2.09	**0.0250**	**0.0250**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.240	0.241	6260	6320	0.738	0.443	3.26	3.28	1090	1160	609	617	**0.0752**	**0.0709**
05/24/08	214	212	0.124	0.117	7.15	7.15	2.11	2.08	**0.0287**	**0.0294**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.256	0.243	6330	6240	0.54	0.396	3.34	3.28	1100	1080	590	576	**0.0500**	**0.0500**
08/28/08	203	205	0.228	0.237	7.23	7.30	2.08	2.08	**0.0358**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.259	0.266	6190	6290	0.562	0.407	3.37	3.4	1130	1150	593	605	**0.0762**	0.103
10/21/08	203	214	0.203	0.239	7.01	7.61	1.86	2.02	**0.0447**	**0.0361**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.237	0.260	5910	6460	0.262	0.266	3.19	3.51	1040	1120	573	624	**0.0500**	**0.0500**
Mean	278	175	0.226	0.215	7.29	7.36	2.94	2.89	0.0379	0.0347	0.0096	0.0090	1.68	1.35	0.223	0.236	6150	6190	1.021	0.407	3.09	3.11	950	950	708	680	0.230	0.111
Median	203	205	0.228	0.239	7.42	7.59	2.37	2.30	0.0358	0.0358	0.0075	0.0075	1.25	1.25	0.24	0.251	6260	6320	0.832	0.442	3.34	3.37	1040	1080	676	667	0.100	0.102
St. Deviation	333	63	0.088	0.074	2.5	2.35	1.52	1.35	0.0205	0.0141	0.0058	0.0056	0.97	0.39	0.08	0.075	1280	1170	0.947	0.198	0.94	0.94	320	340	358	286	0.323	0.061
# of values	13	13	13	12	13	13	13	12	13	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	12
Minimum	11.5	4.48	0.0075	0.0152	0.155	0.155	1.86	2.02	0.0125	0.0125	0.00155	0.00155	0.75	0.75	0.0075	0.0075	2250	2500	0.0500	0.0500	0.0308	0.0262	0.416	0.317	24.2	10.0	0.0500	0.0500
Maximum	1370	219	0.368	0.275	10.8	9.89	7.19	6.17	0.0878	0.061	0.025	0.025	3.8	2.5	0.329	0.308	7650	7300	3.65	0.677	3.81	3.62	1180	1210	1670	1370	0.958	0.218
%of values undetected	0%	0%	8%	0%	8%	8%	0%	0%	31%	31%	92%	100%	85%	92%	8%	8%	0%	0%	8%	15%	0%	0%	0%	0%	0%	8%	38%	42%
# of values between MDL and MRL	0	0	0	1	0	0	0	0	7	6	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.069	0.068	NA	NA	10.98	10.56276	NA	NA	1.917	1.840	1000	1000	0.301	0.319
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	92%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	92%	0%	0%	0%	0%	0%	0%	92%	92%	8%	8%	15%	0%
%of DWS exceedences	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK-2																												
Sample Date																												
03/23/05	556	534	0.0226	0.0231	1.91	1.94	87.3	91.4	0.0184	0.0203	**0.003835**	**0.003835**	34.6	35.4	**0.003095**	**0.00665**	25400	24400	3.49	2.65	0.548	0.495	0.572	0.524	594	600	0.297	0.253
05/15/05	139	2.78	0.045	0.0312	1.72	1.71	95.6	98.7	**0.00631**	**0.001495**	**0.003835**	**0.003835**	34.8	37	**0.003095**	**0.003095**	28300	21300	3.67	0.694	0.299	0.211	0.557	0.0645	194	25.9	0.168	**0.011**
08/19/05	658	4.69	0.154	0.0772	2.21	1.84	112	93.6	0.03	**0.0075**	0.0124	**0.00155**	33.1	32.3	**0.00775**	**0.00775**	29100	23900	8.45	0.742	0.826	0.288	1	0.298	1320	45.5	0.49	**0.0994**
11/07/05	322	3.12	0.0394	0.0368	1.51	1.66	86.2	102	**0.0075**	**0.0075**	**0.00155**	**0.00155**	28.7	31.6	**0.00775**	**0.00775**	21100	24400	10	1.64	0.467	0.236	0.758	0.239	536	59.2	0.519	**0.05**
03/09/06	658	4.27	**0.0476**	0.0570	1.63	1.31	109	103	**0.0120**	**0.0120**	**0.0250**	**0.0250**	31.8	29.9	**0.0125**	**0.0125**	27600	27800	11.1	1.58	0.572	0.240	1.26	0.201	717	63.1	0.633	**0.0130**
05/20/06	139	3.43	0.0736	**0.0256**	1.34	1.60	98.1	108	**0.0120**	**0.0120**	**0.0075**	**0.0075**	31.1	30.6	**0.0125**	**0.0125**	23700	26300	5.47	1.89	0.323	0.227	0.541	0.503	249	55.2	1.19	0.101
08/19/06	94.4	3.33	**0.0188**	**0.0160**	1.88	1.98	109	106	**0.0280**	**0.0125**	**0.0075**	**0.0075**	32.0	30.4	**0.0185**	**0.0185**	27800	27200	3.05	1.23	0.421	0.226	0.749	0.315	421	46.9	0.399	0.198
10/26/06	547	3.52	**0.0250**	**0.0075**	1.66	1.09	108	96.7	**0.0125**	**0.0125**	**0.0075**	**0.0075**	30.8	31.6	**0.0185**	**0.0185**	29100	28500	5.93	2.95	0.564	0.213	0.780	0.355	799	85.0	0.378	**0.0155**
03/16/07	150	5.82	**0.0150**	**0.0150**	1.49	1.50	111	105	**0.0250**	**0.0250**	**0.0150**	**0.0150**	29.2	28.0	**0.0150**	**0.0150**	28200	25800	10.7	1.68	0.461	0.183	0.763	**0.100**	473	60.1	0.289	**0.0310**
05/15/07	102	2.71	**0.0462**	**0.0256**	1.42	1.45	108	108	**0.0125**	**0.0125**	**0.0075**	**0.0075**	29.3	29.5	**0.0075**	**0.0075**	26500	26700	5.45	0.971	0.299	0.204	0.597	0.380	219	116	0.159	**0.0155**
08/19/07	240	3.08	**0.0252**	**0.0238**	1.45	1.67	104	111	**0.0125**	**0.0125**	**0.0075**	**0.0075**	33.3	36.0	**0.0075**	**0.0075**	26300	28500	1.55	0.507	0.377	0.203	0.648	0.283	468	54.9	0.150	**0.0155**
11/09/07	66.6	2.95	**0.0274**	**0.0075**	1.61	1.46	113	109	**0.0125**	**0.0125**	**0.0075**	**0.0075**	32.3	31.0	**0.0075**	**0.0075**	28400	27900	1.66	0.557	0.218	0.170	0.530	0.429	153	87.7	0.109	**0.0155**
03/27/08	189	2.86	**0.0194**	**0.0075**	1.31	1.24	92.1	97.3	**0.0125**	**0.0125**	**0.0075**	**0.0075**	28.8	29.7	**0.0075**	**0.0075**	23900	26000	3.53	0.471	0.297	0.178	0.409	0.183	357	105	0.149	**0.0155**
05/20/08	674	14.4	**0.0392**	**0.0075**	2.04	1.63	113	102	**0.0271**	**0.0125**	**0.0075**	**0.0075**	29.5	31.1	**0.0075**	**0.0075**	26000	25700	7.47	1.07	0.635	0.188	1.11	0.198	879	144	0.534	**0.0155**
08/27/08	63.9	2.63	**0.0285**	**0.0155**	1.6	1.43	99.7	93.5	**0.0125**	**0.0125**	**0.0075**	**0.0075**	32	30.9	**0.0075**	**0.0075**	26100	24500	0.794	0.238	0.226	0.171	0.239	0.141	211	134	0.121	**0.0155**
10/20/08	174	3.52	0.0523	**0.0250**	1.73	1.53	109	99	**0.0125**	**0.0125**	**0.0075**	**0.0075**	31.6	30.2	**0.0075**	**0.0075**	27500	25900	1.59	0.347	0.310	0.180	0.414	0.143	356	113	0.299	**0.0155**
Mean	298	37.3	0.0425	0.025	1.66	1.57	103	102	0.0159	0.0124	0.0085	0.0079	31.4	31.6	0.0094	0.0097	26600	25900	5.24	1.20	0.428	0.226	0.683	0.272	497	112	0.368	0.055
Median	182	3.38	0.0339	0.023	1.62	1.57	108	102	0.0125	0.0125	0.0075	0.0075	31.7	31.0	0.0075	0.0075	27000	26000	4.56	1.02	0.399	0.208	0.623	0.261	445	74.1	0.298	0.0155
St. Deviation	234	132	0.0335	0.019	0.25	0.24	9	6	0.0075	0.0051	0.0054	0.0055	2	2.5	0.0047	0.0044	2200	1900	3.42	0.81	0.167	0.078	0.267	0.139	311	135	0.275	0.0733
# of values	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Minimum	63.9	2.63	0.015	0.0075	1.31	1.09	86.2	91.4	0.00631	0.001495	0.00155	0.00155	28.7	28.0	0.003095	0.003095	21100	21300	0.794	0.238	0.218	0.17	0.239	0.0645	153	25.9	0.109	0.011
Maximum	674	534	0.154	0.0772	2.21	1.98	113	111	0.03	0.0250	0.0250	0.0250	34.8	37	0.0185	0.0185	29100	28500	11.1	2.95	0.826	0.495	1.26	0.524	1320	600	1.19	0.253
%of values undetected	0%	0%	13%	38%	0%	0%	0%	0%	69%	94%	94%	100%	0%	0%	100%	94%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%	75%
# of values between MDL and MRL	0	0	8	5	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.271	0.246	NA	NA	10.98	10.56276	NA	NA	9.361	8.986	1000	1000	3.198	2.528
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	88%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	6%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PQ-4																													
Sample Date																													
11/09/05		2150	1790	66.2	63.1	**0.031**	**0.031**	9.98	9.24	2.89	2.4	1220	1140	0.84	1.3	12600	0.0672	**0.0031**	6090	5650	**0.0031**	0.026	**0.1**	**0.031**	1.73	0.814	40.8	38.4
03/09/06		1760	1770	51.7	46.2	**0.00250**	**0.00250**	10.8	9.13	2.32	2.19	1110	1040	1.45	1.31	9970	**0.0100**	**0.00310**	5020	5050	0.0828	0.0718	**0.0982**	**0.0155**	**0.250**	**0.110**	38.2	34.0
05/19/06		1750	1640	48.1	47.5	**0.000475**	**0.000475**	9.36	8.76	2.19	2.28	1020	993	1.21	1.14	10800	**0.00310**	**0.00310**	4890	4520	0.0604	0.0642	**0.0672**	**0.0400**	0.590	0.630	36.7	36.7
08/18/06		1660	1870	49.7	55.1	**0.000475**	**0.000475**	8.87	9.85	2.07	2.35	979	1110	**0.838**	1.11	11300	**0.00310**	**0.00310**	4500	5080	0.0364	0.0332	**0.0500**	**0.0500**	**0.552**	**0.780**	34.7	
10/28/06		1550	1500	51.6	54.6	**0.000475**	**0.000475**	8.78	9.28	2.19	2.32	955	978	**0.972**	1.07	11200	0.0242	**0.0146**	4160	4080	0.0578	0.0496	**0.0500**	**0.0500**	**0.851**	1.04	35.7	36.6
03/16/07		1890	1920	51.5	47.1	**0.000169**	**0.000475**	9.87	9.23	2.49	2.24	1070	1060	**1.37**	**1.25**	11400	0.704	**0.0062**	4900	4980	0.0666	0.0566	**0.100**	**0.100**	**0.310**	**0.310**	39.2	40.0
05/12/07		439	486	0.941	0.908	**0.000169**	**0.000475**	0.329	0.357	1.93	1.31	212	239	**0.155**	**0.155**	4640	**0.00310**	**0.00310**	1670	1870	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/18/07		1670	1810	45.1	53.0	**0.00250**	**0.000475**	9.57	10.4	2.20		903	1040	1.04	1.12	11800	**0.00310**	**0.00310**	4500	5010	0.0474	0.0624	**0.0500**	**0.0500**	**0.625**	**0.155**	35.3	41.7
11/17/07		1920	1920	53.8	49.9	**0.000169**	**0.000475**	10.4	9.85	2.42	2.43	1120	1060	1.27	1.20	12100	**0.00310**	**0.00310**	5370	5250	0.0616	0.0570	**0.0500**	**0.0500**	**0.502**	**0.437**	40.0	37.7
03/25/08		1660	1740	47.8	48.2	**0.000750**	**0.000750**	9.11	8.99	2.30	2.38	976	1020	1.17	1.26	10600	**0.00310**	**0.00310**	4420	4600	0.0517	0.0518	**0.0500**	**0.0500**	**0.389**	**0.155**	38.1	38.5
05/24/08		1810	1800	48.3	47.5	**0.000750**	**0.000750**	9.35	9.28	2.10	2.06	1020	1020	1.07	1.03	11400	**0.00310**	**0.00310**	4560	4550	0.052	0.0516	**0.0500**	**0.0500**	**0.405**	**0.396**	39.5	38.6
08/28/08		1770	1740	48.6	49.7	**0.000750**	**0.000750**	9.50	9.69	2.01	2.20	991	980	1.23	1.36	11200	**0.00310**	**0.00310**	4530	4460	0.0501	0.0517	**0.0500**	**0.0500**	**0.411**	**0.396**	39.9	43.3
10/21/08		1760	1880	47.9	52	**0.000750**	**0.002800**	9.36	9.92	1.99	2.23	960	1020	1.15	1.25	11400	**0.00310**	**0.00310**	4420	4730	0.0455	0.0515	**0.0500**	**0.0500**	**0.365**	**0.417**	35.7	39.9
Mean		1680	1680	47.0	47.3	0.00315	0.00322	8.87	8.77	2.24	2.20	964	980	1.06	1.12	10800	0.0641	0.00422	4540	4600	0.0477	0.0486	0.0627	0.0490	0.549	0.446	34.9	35.5
Median		1760	1790	48.6	49.7	0.00075	0.0004745	9.36	9.28	2.19	2.26	991	1020	1.15	1.2	11300	0.00310	0.00310	4530	4730	0.0517	0.0517	0.0500	0.0500	0.411	0.396	38.1	38.5
St. Deviation		400	380	14.8	14.7	0.00840	0.00838	2.63	2.57	0.26	0.30	241	230	0.33	0.31	2000	0.19311	0.00323	1000	910	0.0224	0.0178	0.0214	0.0186	0.398	0.292	10.5	11.3
# of values		13	13	13	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12
Minimum		439	486	0.941	0.908	0.000169	0.0004745	0.329	0.357	1.93	1.31	212	239	0.155	0.155	4640	0.00310	0.00310	1670	1870	0.00310	0.00500	0.0500	0.0155	0.155	0.110	0.500	0.500
Maximum		2150	1920	66.2	63.1	0.031	0.031	10.8	10.4	2.89	2.43	1220	1140	1.45	1.36	12600	0.704	0.0146	6090	5650	0.0828	0.0718	0.100	0.100	1.73	1.04	40.8	43.3
%of values undetected		0%	0%	0%	0%	100%	92%	0%	0%	0%	0%	0%	0%	8%	8%	0%	69%	92%	0%	0%	15%	8%	85%	92%	23%	38%	8%	8%
# of values between MDL and MRL		0	0	0	0	0	1	0	0	0	0	0	0	3	1	0	1	1	0	0	0	0	2	1	8	5	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	10.89	10.85	NA	NA	5	4.6	NA	0.1678675	0.143	NA	NA	NA	NA	NA	NA	NA	NA	24.95	24.60
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	8%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	92%
%of DWS exceedences		0%	0%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK-2																													
Sample Date																													
03/23/05		9640	11100	86	93.5	**0.0315**	**0.0315**	1.62	1.6	1.82	1.71	1440	1390	**0.0143**	**0.0143**	6210	**0.00631**	**0.00686**	25700	23900	**0.002125**	**0.00433**	0.213	**0.0302**	1.14	0.969	6.60	4.21
05/15/05		11900	10700	82.2	80.1	**0.0315**	**0.0315**	1.67	1.93	2.75	0.599	1610	1270	**0.0143**	**0.0143**	5280	**0.001435**	**0.001435**	26200	22100	**0.002125**	**0.002125**	**0.190**	**0.0302**	0.285	**0.0047**	3.61	3.56
08/19/05		12200	11100	109	75.8	**0.031**	**0.031**	1.85	1.75	6	2	1730	1450	**0.0775**	**0.0775**	5450	**0.00310**	**0.00310**	28300	26600	**0.00310**	**0.00310**	**0.0638**	**0.0310**	1.53	**0.1**	5.39	3.7
11/07/05		9510	11000	71.5	74.3	**0.031**	**0.031**	1.52	1.81	6.06	1.96	1260	1540	**0.0775**	**0.0775**	5940	**0.00310**	**0.00310**	22000	25700	**0.00310**	**0.00310**	**0.0310**	**0.0310**	0.501	**0.1**	3.04	2.71
03/09/06		12800	13200	81.9	74.9	**0.00250**	**0.00250**	1.81	1.73	6.80	1.48	1430	1520	**0.155**	**0.155**	5090	**0.00310**	**0.00310**	30300	32200	0.0176	**0.00250**	**0.0598**	**0.0155**	1.36	**0.110**	4.83	3.82
05/20/06		12000	12300	73.7	74.0	**0.000475**	**0.000475**	1.55		4.06	1.71	1570	1640	**0.155**	**0.155**	5000	**0.00310**	**0.00310**	30900	32100	**0.00250**	0.0116	**0.0155**	**0.0155**	**0.250**	**0.110**	2.58	2.72
08/19/06		12700	12400	93.1	73.2	**0.000475**	**0.000475**	1.61	1.76	2.75	1.62	1510	1490	**0.155**	**0.155**	5290	**0.00310**	**0.00310**	30300	29400	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	4.76	4.10
10/26/06		11200	11400	93.1	72.9	**0.000475**	**0.00189**	1.78	1.94	3.80	2.28	1530	1490	**0.155**	**0.155**	5200	0.0384	**0.00310**	26000	27200	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.997**	**0.250**	1.97	**0.155**
03/16/07		12500	11700	86.4	70.5	**0.000169**	**0.000475**	1.67	1.82	5.01	1.58	1530	1470	**0.310**	**0.310**	5190	**0.00620**	**0.00620**	29500	**31.0**	**0.01000**	**0.01000**	**0.1000**	**0.1000**	**0.310**	**0.310**	4.68	**1.00**
05/15/07		11200	11700	83.2	78.7	**0.000463**	**0.000475**	1.83	1.92	3.78	1.56	1500	1530	**0.155**	**0.155**	5410	**0.00310**	**0.00310**	28500	29600	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
08/19/07		10900	11800	87.1	80.9	**0.00250**	**0.000475**	1.78	2.05	1.86	1.31	1450	1550	**0.155**	**0.155**	5980	**0.00310**	**0.00310**	27600	30500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.85	1.40
11/09/07		12600	12500	80.8	76.1	**0.000169**	**0.000475**	1.97	1.94	1.69	1.10	1680	1630	**0.155**	**0.155**	6060	**0.00310**	**0.00310**	27400	25000	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.09	1.64
03/27/08		10900	11500	80.1	76.7	**0.00075**	**0.00075**	1.63	1.78	2.58	0.918	1430	1500	**0.155**	**0.155**	5190	**0.00310**	**0.00310**	27600	30800	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.50	3.57
05/20/08		11100	11000	85.4	78.2	**0.00342**	**0.00075**	1.92	1.76	5.31	1.37	1500	1460	**0.155**	**0.155**	5250	**0.00310**	**0.00310**	27700	27100	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.898**	**0.155**	2.22	**0.500**
08/27/08		11300	10400	78.3	73.1	**0.00075**	**0.00075**	1.70	1.66	1.22	0.900	1480	1370	**0.155**	**0.155**	5090	**0.00310**	**0.00310**	27000	25400	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
10/20/08		12200	11500	90.7	79.2	**0.00218**	**0.00075**	1.83	1.81	1.88	1.15	1590	1490	**0.155**	**0.155**	5610	**0.00310**	**0.00310**	28900	27500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.20	**0.500**
Mean		11500	11600	85.2	77.0	0.00871	0.008452	1.73	1.82	3.59	1.45	1520	1490	0.137	0.137	5450	0.00560	0.00342	27700	25900	0.00535	0.00511	0.0702	0.0440	0.528	0.210	3.15	2.20
Median		11600	11500	84.3	76.0	0.00147	0.000750	1.74	1.81	3.27	1.52	1510	1490	0.155	0.155	5290	0.00310	0.00310	27700	27200	0.00500	0.00500	0.0500	0.0500	0.268	0.160	2.95	2.20
St. Deviation		1000	700	8.8	5.3	0.01348	0.013606	0.13	0.12	1.79	0.45	110	90	0.069	0.069	390	0.00883	0.00129	2200	7500	0.00376	0.00246	0.0541	0.0197	0.485	0.220	1.77	1.50
# of values		16	16	16	16	16	16	16	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Minimum		9510	10400	71.5	70.5	0.000169	0.0004745	1.52	1.6	1.22	0.599	1260	1270	0.0143	0.0143	5000	0.001435	0.001435	22000	31	0.002125	0.002125	0.0155	0.0155	0.155	0.0047	0.5	0.155
Maximum		12800	13200	109	93.5	0.0315	0.0315	1.97	2.05	6.80	2.28	1730	1640	0.310	0.31	6210	0.0384	0.00686	30900	32200	0.0176	0.0116	0.213	0.1	1.53	0.969	6.6	4.21
%of values undetected		0%	0%	0%	0%	81%	94%	0%	0%	0%	0%	0%	0%	100%	100%	0%	88%	94%	0%	6%	94%	88%	75%	100%	56%	94%	13%	38%
# of values between MDL and MRL		0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	3	0	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	52.34	52.18	NA	NA	5	4.6	NA	4.0867866	3.474	NA	NA	NA	NA	NA	NA	NA	NA	120.22	118.54
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Field pH	Field Dissolved Oxygen	Field Specific Conductivity	Field Oxidation Reduction Potential	Field Water Temperature	Hardness	Laboratory Conductivity	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Nitrite	Nitrate	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate	Total Cyanide	Cyanide WAD	Thiocyanate	DOC (Dissolved Organic Carbon)	Total Ammonia[3]
Location / Total/Dissolved / Units	pH Units	mg/L	µmhos/cm	mV	°C	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK-3																								
Sample Date																								
11/08/05	7.53	2.13	391	-17	2.13	216	335	190	**0.200**	6.50	214	0.117			**0.0099**		0.743	**0.093**	2.59	**0.00125**	**0.00125**	**0.14**		**0.0155**
03/09/06	6.74	2.06	328	32.0	2.06	239	390	206	0.500	**2.00**	226	**0.0825**			**0.00155**		0.759	**0.0540**	2.74	**0.00125**	**0.00125**	**0.155**		**0.0500**
05/20/06	6.86	2.59	358	153.5	2.59	206	360	213	**0.400**	**4.75**	216	0.338			**0.0090**		0.734	**0.0820**	2.37	**0.00125**	**0.00125**	**0.155**		**0.0420**
08/19/06	6.63	3.22	374	121.3	3.22	218	380	233	**0.200**	**8.25**	221	**0.0155**	**0.0155**	**0.0155**	**0.0080**	**0.05**	0.719	**0.0730**	2.36	**0.00075**	**0.00250**	**0.155**		**0.0530**
10/26/06	7.06	2.13	404	185.5	2.13	226	360	211	**0.200**	**5.00**	222	**0.0355**	**0.0155**	**0.0355**	0.0240	**0.0155**	0.732	**0.0920**	2.43	**0.00075**	**0.00075**	**0.155**		**0.0500**
03/16/07	7.52	1.92	202	-48.9	1.92	213	350	198	**0.400**	**7.75**	226	**0.0155**	**0.0155**	**0.0155**	0.0120	**0.05**	0.599	**0.0590**	2.01	**0.00075**	**0.00075**	**0.155**		**0.0155**
05/13/07	7.52	2.53	210	-54.8	2.53	215	380	203	**0.075**	**5.75**	226	**0.0500**			**0.0036**		0.767	**0.0770**	2.16	**0.00075**	**0.00075**	**0.155**		**0.0155**
08/19/07						202	370	210	**0.200**	14.8	225	**0.0310**			**0.0032**		0.571	**0.0580**	1.99	**0.00075**	**0.00075**	**0.155**		**0.0665**
11/09/07	7.18	2.32	382	48.9	2.32	227	370	226	**0.300**	**6.50**	224	**0.0155**			0.0103		0.621	**0.0670**	2.30	**0.00170**	**0.00075**	**0.155**		**0.0155**
03/27/08	6.67	1.96	369	-21.9	1.96	206	448	223	**0.306**	**3.30**	234	**0.0720**			0.0137		0.619	**0.0570**	3.84	**0.00075**	**0.00075**	**0.920**		0.119
05/20/08	7.40	2.68	403	-84.7	2.68	205	432	218	0.503	**5.21**	231	**0.0155**			**0.00155**		0.656	**0.0700**	2.12	**0.00250**	**0.00250**	**0.155**	0.682	**0.0155**
08/26/08	7.58	2.58	380	-8.3	2.58	199	430	230	0.816	**5.20**	231	**0.0500**			**0.00155**		0.647	**0.0770**	2.39	**0.00075**	**0.00075**	1.30	0.594	**0.0500**
10/20/08	7.50	1.98	396	-124	1.98	207	431	216	**0.316**	**3.70**	236	**0.0385**			**0.00155**		0.587	**0.0750**	2.00	**0.00075**	**0.00075**	**0.155**	**0.277**	**0.0500**
Mean	7.18	2.34	350	15.1	0	214	390	214	0.340	6.10	226	0.0674	0.0155	0.0222	0.0077	0.0385	0.673	0.0718	2.41	0.00107	0.00113	0.301	0.518	0.0429
Median	7.29	2.23	377	-12.7	0	213	380	213	0.306	5.21	226	0.0385	0.0155	0.0155	0.0080	0.0500	0.656	0.0730	2.36	0.00075	0.00075	0.155	0.594	0.0500
St. Deviation	0.37	0.39	70	96.4	0	11	40	13	0.191	3.1	6	0.0868	0	0.0115	0.0066	0.0199	0.071	0.0127	0.49	0.00053	0.00064	0.367	0.213	0.0294
# of values	12	12	12	12	12	13	13	13	13	13	13	13	3	3	13	3	13	13	13	13	13	13	3	13
Minimum	6.63	1.92	202	-124	1.92	199	335	190	0.075	2.00	214	0.0155	0.0155	0.0155	0.00155	0.0155	0.571	0.0540	1.99	0.00075	0.00075	0.14	0.277	0.0155
Maximum	7.58	3.22	404	185.5	3.22	239	448	233	0.816	14.8	236	0.338	0.0155	0.0355	0.0240	0.0500	0.767	0.0930	3.84	0.00250	0.00250	1.30	0.682	0.119
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%	0%	46%	100%	67%	31%	100%	0%	0%	0%	92%	100%	77%	0%	69%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	9	11	0	5	0	1	5	0	0	13	0	1	0	2	1	3
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	4.16
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK-5D																								
Sample Date																								
09/24/04	5.84	2.90	59	289	2.90	15.4	60	63.8	5.26	**4.50**	**8.25**	**0.47**			0.11		0.886	**0.043**	13	**0.003**	**0.00125**	**0.15**		**0.0155**
05/14/05	5.41	4.11	53	223	4.11	17.7	60	72.5	**0.075**	19.0	**7.5**	0.21			0.083		0.836	**0.056**	12.9	**0.00125**	**0.00125**	**0.23**		**0.0155**
08/18/05	5.60	4.01	46	137	4.01	16.0	55	47.5	**0.300**	9.75	**8.00**	**0.0795**			0.082		0.803	**0.05**	12.8	**0.00250**	**0.00250**	**0.19**		**0.0996**
08/18/06	5.86	2.59	50	151.6	2.59	14.7	45.0	57.5	**0.075**	11.0	**8.00**	**0.0905**	**0.0155**	**0.0760**	0.0950		0.805	**0.0720**	12.8	**0.00075**	**0.00075**	**0.155**		**0.0450**
Mean	5.68	3.40	52	200	3.00	16.0	55	60.3	1.43	11.0	7.94	0.213	0.0155	0.076	0.093	NA	0.833	0.055	12.9	0.00188	0.00140	0.18	NA	0.0439
Median	5.72	3.46	52	187	3	15.7	58	60.7	0.19	10.0	8.00	0.150	0.0155	0.076	0.089	NA	0.821	0.053	12.9	0.00188	0.00130	0.17	NA	0.0303
St. Deviation	0.21	0.77	5	70	1	1.3	7	10.5	2.56	6.0	0.31	0.182	NA	NA	0.013	NA	0.039	0.012	0.1	0.00105	0.00070	0.04	NA	0.0397
# of values	4	4	4	4	4	4	4	4	4	4	4	4	1	1	4	0	4	4	4	4	4	4	0	4
Minimum	5.41	2.59	46	137	2.59	14.7	45	47.5	0.075	4.50	7.5	0.0795	0.0155	0.0760	0.082	NA	0.803	0.043	12.8	0.00075	0.00075	0.15	NA	0.0155
Maximum	5.86	4.11	59	289	4.11	17.7	60	72.5	5.26	19.0	8.25	0.47	0.0155	0.0760	0.11	NA	0.886	0.072	13	0.003	0.00250	0.23	NA	0.0996
%of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	100%	0%	0%		0%	0%	0%	75%	100%	25%		50%
# of values between MDL and MRL	0	0	0	0	0	0	0	0	1	1	4	3	0	1	0		0	4	0	1	0	3		2
Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.99
Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
%of CALC exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	NA	0%
%of DWS exceedences	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	#DIV/0!	0%

Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK-3																												
Sample Date																												
11/08/05	3.53	**1**	0.0152		**0.125**	**0.484**	330	376	**0.0075**	**0.0075**	**0.00155**	**0.005**	**8**	**6.3**	**0.00775**	**0.016**	48100	47800	0.265		0.289	0.297	0.308	0.268	178	186	**0.05**	
03/09/06	4.55	2.26	0.0838	0.0640	**0.155**	**0.155**	371	358	0.0422	**0.0120**	0.0750	**0.0250**	7.31	6.06	**0.0272**	**0.0125**	51600	51800	0.495	0.379	0.271	0.257	0.418	0.359	190	171	6.62	0.178
05/20/06	13.2	9.42	**0.0480**	**0.0242**	**0.155**	**0.155**	334	397	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**3.61**	**4.47**	**0.0125**	**0.0125**	47000	48100	0.412	0.361	0.260	0.292	0.621	0.377	208	194	1.12	0.201
08/19/06	5.46	4.45	**0.0075**	**0.0075**	0.698	0.585	378	375	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**3.04**	**3.12**	**0.0185**	**0.0185**	50100	47300	0.256	0.310	0.273	0.272	1.01	0.539	161	147	0.376	0.148
10/26/06	**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.155**	364	390	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**4.52**	**3.49**	**0.0185**	**0.0185**	54100	55500	**0.152**	**0.144**	0.255	0.267	0.237	0.224	143	151	**0.050**	**0.050**
03/16/07	**2.00**	**2.00**	**0.0150**	**0.0150**	**0.310**	**0.310**	380	417	**0.0250**	**0.0250**	**0.0150**	**0.0150**	**2.50**	**2.50**	**0.0150**	**0.0150**	50200	52000	0.432	0.508	0.242	0.249	0.247	0.296	314	191	**0.100**	**0.0310**
05/13/07	**1.00**	**1.00**	**0.0200**	**0.0250**	**0.155**	**0.155**	407	403	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**4.60**	**4.75**	**0.0075**	**0.0075**	49600	49400	**0.100**	**0.050**	0.247	0.257	0.117	0.171	261	258	**0.0155**	**0.050**
08/19/07	2.36	**1.00**	**0.0075**	**0.0075**	**0.312**	**0.155**	405	400	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.19	5.69	**0.0075**	**0.0075**	49200	49200	**0.050**	**0.050**	0.268	0.264	2.36	0.141	154	141	0.118	**0.0155**
11/09/07	2.37	**1.00**	**0.0075**	**0.0206**	**0.366**	**0.346**	472	478	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**4.72**	**4.76**	**0.0075**	**0.0075**	55200	56400	0.368	0.259	0.244	0.248	0.148	0.142	205	201	**0.0155**	**0.0155**
03/27/08	**1.88**	2.16	**0.0075**	**0.0075**	**0.155**	**0.155**	373	378	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**4.51**	**4.94**	**0.0075**	**0.0075**	53600	51000	**0.128**		0.236	0.253	0.230		259	308	**0.0155**	**0.0155**
05/20/08	5.14	4.29	**0.0075**	**0.0075**	**0.490**	0.602	422	399	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.21	**4.17**	**0.0075**	**0.0075**	50000	49300	0.332	**0.127**	0.278	0.253	0.381	0.306	325	251	**0.0155**	**0.0155**
08/26/08	**1.00**	**1.00**	**0.0165**	**0.0075**	**0.448**	0.702	360	406	**0.0125**	**0.0125**	**0.0075**	**0.0075**	5.23	5.53	**0.0075**	**0.0075**	46600	55600	**0.100**	**0.050**	0.234	0.255	0.210	0.275	300	308	**0.0571**	**0.0155**
10/20/08	2.15	**1.00**	**0.0075**	0.0533	0.591	0.593	391	420	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**4.10**	**4.24**	**0.0075**	**0.0075**	49200	53500	**0.050**	**0.050**	0.260	0.292	0.197	0.192	266	278	**0.0155**	**0.0155**
Mean	3.51	2.43	0.0193	0.0206	0.317	0.350	384	400	0.0153	0.0130	0.0128	0.0092	4.81	4.62	0.0117	0.0112	50300	51300	0.242	0.208	0.258	0.266	0.499	0.274	228	214	0.659	0.0626
Median	2.36	1.00	0.0075	0.0113	0.310	0.310	378	399	0.0125	0.0125	0.0075	0.0075	4.60	4.75	0.0075	0.0075	50000	51000	0.256	0.144	0.260	0.257	0.247	0.272	208	194	0.0500	0.0233
St. Deviation	3.29	2.43	0.0224	0.0192	0.191	0.214	38	29	0.0089	0.0039	0.0189	0.0052	1.52	1.13	0.0063	0.0045	2600	3100	0.155	0.163	0.017	0.017	0.609	0.115	63	60	1.82	0.0703
# of values	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	11	13	13	13	12	13	13	13	12
Minimum	1.00	1.00	0.0075	0.0075	0.125	0.155	330	358	0.0075	0.0075	0.00155	0.005	2.50	2.50	0.0075	0.0075	46600	47300	0.050	0.050	0.234	0.248	0.117	0.141	143	141	0.0155	0.0155
Maximum	13.2	9.42	0.0838	0.0640	0.698	0.702	472	478	0.0422	0.0250	0.0750	0.0250	8	6.3	0.0272	0.0185	55200	56400	0.495	0.508	0.289	0.297	2.36	0.539	325	308	6.62	0.201
%of values undetected	31%	62%	62%	58%	54%	54%	0%	0%	92%	100%	92%	100%	8%	8%	92%	92%	0%	0%	31%	36%	0%	0%	0%	0%	0%	0%	62%	75%
# of values between MDL and MRL	1	0	3	3	4	2	0	0	0	0	0	0	8	9	1	1	0	0	2	2	0	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.454	0.398	NA	NA	10.98	10.56276	NA	NA	16.926	16.249	1000	1000	7.728	5.328
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK-5D																												
Sample Date																												
09/24/04	**250**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	3.05	2.71	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**4**	**0.0155**	**0.0155**	4530	4220	0.37	**0.195**	0.104	0.171	2.46	2.24	50.3	**3.1**	**0.106**	**0.05**
05/14/05	12.2	3.27	0.0339	0.0306	0.158	0.179	0.859	0.875	**0.001495**	**0.001495**	**0.003835**	**0.0106**	2.18		**0.0195**	**0.0188**	5090	4080	**0.03565**	**0.03565**	0.0937	0.0913	3.87	4	**3.10**	**1.325**	**0.035**	**0.035**
08/18/05	9.53	3.85	0.0226	0.0186	**0.250**	**0.250**	0.843	0.711	**0.0075**	**0.0075**	**0.0086**	**0.005**	**1.55**	**3.8**	**0.00775**	**0.00775**	4510	4210	1.12	0.502	0.072	0.0766	4.16	3.9	**13.7**	**9.84**	**0.036**	**0.0155**
08/18/06	2.93	**1.00**	**0.0256**	**0.0256**	**0.311**	**0.468**	0.514	0.451	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	4160	4200	0.238	0.220	0.0290	0.0296	3.69	3.17	**3.10**	**3.10**	0.105	0.113
Mean	68.7	5.16	0.0302	0.0283	0.211	0.256	1.317	1.187	0.0072	0.0072	0.1925	0.193	1.63	3.0	0.0153	0.0151	4570	4180	0.441	0.238	0.075	0.0921	3.55	3.3	17.6	4.3	0.071	0.053
Median	10.9	3.56	0.0298	0.0281	0.204	0.215	0.851	0.793	0.0075	0.0075	0.0081	0.009	1.55	3.8	0.0170	0.0170	4520	4210	0.304	0.208	0.083	0.084	3.78	3.5	8.4	3.1	0.071	0.043
St. Deviation	121	5.05	0.0073	0.0084	0.085	0.151	1.167	1.03	0.0045	0.0045	0.3717	0.371	0.39	1.5	0.0053	0.0051	380	70	0.473	0.194	0.033	0.0588	0.75	0.8	22.4	3.8	0.040	0.042
# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Minimum	2.93	1.00	0.0226	0.0186	0.125	0.125	0.514	0.451	0.001495	0.001495	0.003835	0.005	1.25	1.25	0.00775	0.00775	4160	4080	0.03565	0.03565	0.029	0.0296	2.46	2.24	3.1	1.325	0.035	0.0155
Maximum	250	12.5	0.0385	0.0385	0.311	0.468	3.05	2.71	0.0125	0.0125	0.75	0.75	2.18	4	0.0195	0.0188	5090	4220	1.12	0.502	0.104	0.171	4.16	4	50.3	9.84	0.106	0.113
%of values undetected	25%	50%	25%	25%	50%	50%	0%	0%	100%	100%	75%	75%	75%	33%	75%	75%	0%	0%	25%	25%	0%	0%	0%	0%	25%	75%	25%	75%
# of values between MDL and MRL	0	0	1	1	1	1	0	0	0	0	1	1	0	2	1	1	0	0	0	1	0	0	0	0	2	1	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.066	0.065	NA	NA	10.98	10.56276	NA	NA	1.824	1.751	1000	1000	0.280	0.299
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
%of CALC exceedences	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK-3																														
Sample Date																														
11/08/05	23200	22600	113	128	**0.031**	**0.031**	0.673		1.7		1060	1270	**0.0775**	**0.0775**	6370	**0.0031**	**0.0031**	5210	6000	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	6.19	7.08		
03/09/06	26700	26300	125	131	**0.00250**	**0.000475**	3.18	0.726	1.22	1.34	1250	1200	**0.155**	**0.155**	5800	**0.0172**	**0.00310**	6580	6030	0.0220	**0.0025**	**0.0952**	**0.0155**	**0.110**	**0.110**	11.5	9.48		
05/20/06	21500	24900	125	133	**0.000475**	**0.00100**	0.646		1.43		1200	1260	**0.155**	**0.155**	4130	**0.00310**	**0.00310**	6070	6200	**0.00250**	0.0112	**0.0584**	**0.0155**	**0.110**	**0.110**	10.8	11.9		
08/19/06	22600	21800	136	131	**0.000475**	**0.000475**	0.711	0.693	1.16	1.19	1110	1090	**0.155**	**0.155**	5660	**0.00310**	**0.00310**	5620	5490	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	16.8	15.6		
10/26/06	21900	22100	138	149	**0.000475**	**0.000475**	0.746	0.814	1.12	1.13	1180	1360	**0.155**	**0.155**	6430	**0.00310**	**0.00310**	5700	5640	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	**0.500**		
03/16/07	21300	22600	135	152	**0.000169**	**0.000475**	0.696	0.773	1.88	1.63	1090	1160	**0.310**	**0.310**	6040	**0.00620**	**0.00620**	5760	6140	**0.0100**	**0.0100**	**0.100**	**0.100**	**0.310**	**0.310**	9.90	7.65		
05/13/07	22100	21800	142	143	**0.000169**	**0.000475**	0.691	0.722	1.35	1.59	1080	1070	**0.155**	**0.155**	5870	**0.00310**	**0.00310**	6010	5910	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.25		
08/19/07	19200	19100	143	142	**0.00250**	**0.000475**	0.733	0.728	1.50	1.58	1040	1030	**0.155**	**0.155**	5920	**0.00310**	**0.00310**	5670	5740	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.44	1.45		
11/09/07	21600	23200	163	164	**0.000169**	**0.000475**	0.743	0.758	1.48	1.55	1210	1230	**0.155**	**0.155**	6820	**0.00310**	**0.00310**	6270	6460	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.43	2.37		
03/27/08	20600	21300	142	140	**0.000750**	**0.000750**	0.655	0.664	0.994	1.13	1080	1090	**0.155**	**0.155**	5890	**0.00310**	**0.00310**	5820	6040	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	12.4			
05/20/08	19500	20000	138	149	**0.000750**	**0.000750**	0.768	0.676	1.31	1.09	1060	1080	**0.155**	**0.155**	5820	**0.00310**	**0.00310**	5370	5480	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.53	2.88		
08/26/08	19900	21700	132	146	**0.000750**	**0.000750**	0.626	0.669	1.19	1.24	1040	1130	**0.155**	**0.155**	5800	**0.00310**	**0.00310**	5570	5920	**0.00500**	**0.00500**	**0.116**	**0.0500**	**0.155**	**0.155**	1.74	1.13		
10/20/08	20400	22100	154	166	**0.000750**	**0.000750**	0.654	0.687	1.72	1.66	1040	1120	**0.155**	**0.155**	6470	**0.00310**	**0.00310**	5610	6060	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.16	1.19		
Mean	21600	22300	137	144	0.00315	0.0029478	0.886	0.719	1.39	1.38	1110	1160	0.161	0.161	5920	0.00442	0.00334	5790	5930	0.00635	0.00552	0.0616	0.0471	0.170	0.170	5.99	5.21		
Median	21500	22100	138	143	0.00075	0.0004745	0.696	0.722	1.35	1.34	1080	1130	0.155	0.155	5890	0.00310	0.00310	5700	6000	0.00500	0.00500	0.0500	0.0500	0.155	0.155	2.53	2.63		
St. Deviation	1900	1900	13	12	0.0084	0.0084304	0.691	0.048	0.26	0.23	70	100	0.05	0.05	640	0.00393	0.00086	370	280	0.00500	0.00241	0.0251	0.0207	0.062	0.062	5.58	5.03		
# of values	13	13	13	13	13	13	13	11	13	11	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12		
Minimum	19200	19100	113	128	0.000169	0.0004745	0.626	0.664	0.994	1.09	1040	1030	0.0775	0.0775	4130	0.00310	0.00310	5210	5480	0.00250	0.00250	0.031	0.0155	0.1	0.1	0.500	0.500		
Maximum	26700	26300	163	166	0.031	0.031	3.18	0.814	1.88	1.66	1250	1360	0.31	0.31	6820	0.0172	0.00620	6580	6460	0.0220	0.0112	0.116	0.100	0.310	0.310	16.8	15.6		
%of values undetected	0%	0%	0%	0%	100%	92%	0%	0%	0%	0%	0%	0%	100%	100%	0%	92%	100%	0%	0%	92%	92%	77%	100%	100%	100%	15%	8%		
# of values between MDL and MRL	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0		
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	94.08	93.80	NA	NA	5	4.6	NA	13.463363	11.444	NA	NA	NA	NA	NA	NA	NA	NA	216.30	213.27		
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA		
%of CALC exceedences	0%	0%	0%	0%	8%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
%of DWS exceedences	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
SRK-5D																														
Sample Date																														
09/24/04	991	934	8.59	7.72	**0.031**		2.65	2.53	0.992	1.03	593	573	**0.63**	**0.55**	9280	**0.0031**	**0.0031**	3040	2980	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.297**	**0.125**	2.5	2.2		
05/14/05	1200	1110	1.95	1.96	**0.0315**	**0.0315**	2.54	2.69	0.775	0.852	596	581	0.58	0.568	9000	**0.00836**	**0.005**	3320	2740	**0.002125**		**0.103**	**0.0302**	0.0691	**0.0047**	3.37	3.63		
08/18/05	1140	1090	1.91	1.84	**0.031**	**0.094**	2.54	2.54	1.29	1.28	639	596	0.777	**0.426**	9620	**0.0064**	**0.0031**	3290	3170	**0.0144**	**0.0092**	**0.031**	**0.031**	**0.1**		3.81	3.82		
08/18/06	1060	1040	0.463	0.495	**0.000475**	**0.000475**	2.44	2.50	0.825	0.841	563	575	**0.323**	**0.431**	7990	**0.0156**	**0.0188**	3070	3040	**0.0050**	**0.0050**	**0.050**	**0.050**	**0.250**	**0.250**	3.50	3.68		
Mean	1100	1040	3.23	3.00	0.023	0.0420	2.54	2.57	0.971	1.00	598	581	0.58	0.494	8970	0.0084	0.0075	3180	2980	0.0085	0.0089	0.085	0.067	0.180	0.127	3.30	3.33		
Median	1100	1070	1.93	1.90	0.031	0.0315	2.54	2.54	0.909	0.94	595	578	0.61	0.491	9140	0.0074	0.0041	3180	3010	0.0088	0.0092	0.077	0.041	0.180	0.125	3.40	3.66		
St. Deviation	90	80	3.64	3.21	0.015	0.0476	0.09	0.09	0.232	0.21	31	10	0.19	0.076	700	0.0053	0.0076	150	180	0.0059	0.0038	0.056	0.06	0.110	0.123	0.60	0.76		
# of values	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	4	4		
Minimum	991	934	0.463	0.495	0.0004745	0.0004745	2.44	2.50	0.775	0.841	563	573	0.323	0.426	7990	0.0031	0.0031	3040	2740	0.002125	0.005	0.031	0.0302	0.0691	0.0047	2.5	2.2		
Maximum	1200	1110	8.59	7.72	0.0315	0.094	2.65	2.69	1.29	1.28	639	596	0.777	0.568	9620	0.0156	0.0188	3320	3170	0.0144	0.0125	0.155	0.155	0.297	0.25	3.81	3.82		
%of values undetected	0%	0%	0%	0%	100%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	75%	0%	0%	75%	67%	75%	100%	50%	100%	0%	0%		
# of values between MDL and MRL	0	0	0	0	0	1	0	0	0	0	0	0	2	3	0	3	1	0	0	1	1	1	0	1	0	0	0		
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	0.012	0.012	NA	NA	10.36	10.33	NA	NA	5	4.6	NA	0.1518806	0.129	NA	NA	NA	NA	NA	NA	NA	NA	23.75	23.41		
Drinking Water Standards (DWS)[2]	NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA		
%of CALC exceedences	0%	0%	0%	0%	75%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
%of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		

Location	Parameters Total/Dissolved Units	Field pH pH Units	Field Dissolved Oxygen mg/L	Field Specific Conductivity µmhos/cm	Field Oxidation Reduction Potential mV	Field Water Temperature °C	Hardness mg/L	Laboratory Conductivity µmhos/cm	Total Dissolved Solids mg/L	Total Suspended Solids mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate + Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Ortho-phosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	Cyanide WAD mg/L	Thiocyanate mg/L	DOC (Dissolved Organic Carbon) mg/L	Total Ammonia[3] mg/L
SRK-5M																									
	Sample Date																								
	09/25/04	6.89	3.28	93	245	3.28	33.6	90	78.8	0.947	**3.50**	26.5	**0.5**			**0.06**		1.1	0.119	27.3	**0.00125**	**0.00125**	**0.17**		**0.05**
	10/20/04	6.78	2.92	90	285	2.92	29.7	95	62.5	**0.075**	10.0	29	**0.55**			**0.0155**		1.03	**0.0155**	13	**0.00125**	**0.00125**	**0.0295**		**0.0155**
	03/18/05	6.51	3.59	73		3.59	30.7	85	56.3	**0.200**	10.3	30	0.31			0.0629		0.919	**0.059**	11.3	**0.00125**	**0.00125**	**0.16**		**0.0155**
	05/14/05	6.39	3.88	88	166.5	3.88	36.3	90	88.7	**0.075**	9.13	30	0.42			0.0925		0.873	**0.055**	10.6	**0.00125**	**0.00125**	**0.091**		**0.0155**
	08/18/05	6.39	3.61	77	91	3.61	32.4	90	62.5	**0.075**	5.88	30	0.355			0.027		0.846	**0.044**	11.3	**0.0025**	**0.0025**	**0.20**		**0.0155**
	11/08/05	5.85	2.56	95	63	2.56	33.5	90	57.5	**0.075**	8.75	37	0.347			0.024		0.844	**0.053**	12.4	**0.00125**	**0.00125**	**0.13**		**0.0155**
	03/10/06	6.93	2.51	83	304	2.51	34.1	70.0	23.7	**0.075**	7.75	32.0	0.262			0.0160		0.869	**0.0340**	11.5	**0.00125**	**0.00125**	**0.155**		**0.0155**
	05/18/06	6.10	2.92	80	221	2.92	34.4	85.0	63.8	**0.0775**	5.25	32.0	0.363			0.0395		0.846	**0.0560**	10.3	**0.00125**	**0.00125**	**0.155**		**0.0380**
	08/17/06	6.20	3.33	84	141.8	3.33	33.2	85.0	66.2	**0.075**	**7.00**	32.0	0.287	**0.0155**	0.287	0.0270		1.22	**0.0660**	11.5	**0.00075**	**0.00075**	**0.155**		**0.0500**
	10/27/06	6.34	3.43	88	266.2	3.43	33.0	80.0	65.0	**0.075**	**6.25**	33.0	0.202	**0.0155**	0.194	0.0320		0.823	0.102	13.5	**0.00075**	**0.00250**	**0.155**		**0.0500**
	03/13/07	6.56	2.14	47	258.9	2.14	31.3	75.0	60.0	**0.075**	**6.75**	30.0	0.283	**0.0155**	0.285	0.0370		0.743	**0.0400**	9.89	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/12/07	6.42	3.37	48	93.4	3.37	22.2	90.0	85.0	**0.075**	19.0	**1.55**	**0.050**			0.114		0.843	**0.0800**	35.3	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/18/07	3.37	3.47	48	187.5	3.47	29.3	85.0	57.5	**0.075**	12.5	29.9	0.320			0.0210		0.736	**0.0450**	10.7	**0.00075**	**0.00075**	**0.155**		**0.0663**
	11/10/07	6.48	2.66	86	136.3	2.66	34.7	90.0	23.8	**0.0765**	**7.00**	31.4	0.218			0.0278		0.763	**0.0520**	12.0	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/22/08	6.26	2.82	72	106.5	2.82	33.0	94.5	60.0	**0.300**	**7.28**	32.1	5.14			0.0190		0.752	**0.0490**	10.6	**0.00075**	**0.00160**	**0.155**		**0.0155**
	05/21/08	6.32	2.91	87	166.3	2.91	33.9	86.8	67.5	**0.150**	**4.36**	31.1	0.308			0.0151		0.763	**0.045**	10.5	**0.00075**	**0.00075**	**0.380**	**0.075**	**0.0155**
	08/26/08	6.43	3.47	83	280.4	3.47	30.6	87.9	52.5	**0.0775**	**6.08**	30.2	0.346			0.0199		0.957	**0.081**	11.5	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/22/08	6.49	2.09	77	250	2.09	36.0	97.1	55.0	**0.075**	**8.08**	32.1	0.255			0.0244		0.721	**0.042**	11.2	**0.00075**	**0.00250**	**0.155**	7.47	**0.0500**
	Mean	6.26	3.05	78	191.9	3	32.3	87.0	60.4	0.147	8.05	29.4	0.584	0.0155	0.255	0.0370	NA	0.869	0.058	13.6	0.00104	0.00128	0.159	2.60	0.0292
	Median	6.41	3.10	83	187.5	3.00	33.1	89.0	61.3	0.075	7.14	30.7	0.315	0.0155	0.285	0.0270	NA	0.845	0.053	11.4	0.00075	0.00125	0.155	0.250	0.0155
	St. Deviation	0.77	0.52	15	77.8	1	3.2	6.8	16.6	0.208	3.5	7.3	1.142	0	0.053	0.0280	NA	0.135	0.025	6.70	0.00044	0.00062	0.066	4.22	0.0183
	# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	0	18	18	18	18	18	18	3	18
	Minimum	3.37	2.09	47	63	2.09	22.2	70.0	23.7	0.075	3.50	1.55	0.050	0.0155	0.194	0.0151	NA	0.721	0.0155	9.89	0.00075	0.00075	0.0295	0.075	0.0155
	Maximum	6.93	3.88	95	304	3.88	36.3	97.1	88.7	0.947	19.0	37	5.14	0.0155	0.287	0.114	NA	1.22	0.119	35.3	0.0025	0.0025	0.38	7.47	0.0663
	% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	83%	0%	6%	11%	100%	0%	6%		0%	6%	0%	100%	94%	67%	67%	89%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	2	9	0	1	0	0	1		0	15	0	0	1	6	0	2
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.13
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	% of CALC exceedences	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%	0%	0%	0%	0%	0%
SRK-5S																									
	Sample Date																								
	09/25/04	6.06	3.48	39	258	3.48	9.09	32	57.5	2.32	**4.50**	**6.75**	**0.155**			**0.0155**		1.19	**0.0155**	3.57	**0.00125**	**0.00125**	**0.14**		**0.0155**
	10/20/04	5.91	3.72	28	292	3.72	5.66	24	27.5	2.05	**3.50**	**5**	**0.51**			**0.0155**		0.974	**0.0155**	2.42	**0.00125**	**0.0027**	**0.0295**		**0.0155**
	03/18/05	5.14	2.96	24		2.96	8.10	27	17.5	**0.200**	5.00	**7**	0.58			0.0414		0.919	**0.0155**	3.07	**0.00125**	**0.00125**	**0.30**		**0.0155**
	05/14/05	4.95	3.09	26	230	3.09	8.25	25.5	36.3	**0.15**	7.38	**4**	1.83			0.0285		0.875	**0.0155**	1.44	**0.00125**	**0.00125**	**0.12**		**0.0155**
	08/18/05	5.42	4.57	24	101	4.57	8.08	26	26.3	1.30	**3.88**	**6**	6.53			0.020		0.874	**0.0155**	2.55	**0.0025**	**0.0025**	**0.29**		**0.0155**
	11/08/05	5.77	2.34	32	82	2.34	8.24	29.5	18.8	2.10	11.9	**7**	0.33			**0.0099**		0.836	**0.0155**	5.02	**0.00125**	**0.00125**	**0.12**		**0.0155**
	03/10/06	6.69	1.84	29	342	1.84	8.42	30.0	15.0	5.00	5.50	**5.00**	0.312			0.0120		0.829	**0.0155**	5.20	**0.00125**	**0.00125**	**0.155**		**0.0500**
	05/18/06	5.91	1.76	26	261.2	1.76	7.29	25.5	33.8	**0.150**	5.25	**5.00**	0.310			**0.0070**		0.811	**0.0155**	3.96	**0.00125**	**0.00125**	**0.155**		**0.0155**
	08/17/06	5.89	4.59	28	208.9	4.59	8.85	29.0	35.0	0.500	**6.50**	**5.00**	0.697	**0.0155**	0.697	0.0100	**0.05**	0.961	**0.0400**	3.81	**0.00075**	**0.00075**	**0.155**		**0.0155**
	10/27/06	6.65	3.58	26	304.2	3.58	7.32	23.0	31.3	**0.400**	**6.75**	**6.00**	0.639	**0.0155**	0.624	0.0130	**0.0155**	1.01	**0.0350**	2.63	**0.00075**	**0.00075**	**0.155**		**0.0500**
	03/13/07	5.89	1.60	15	203.3	1.60	8.39	26.5	28.8	3.90	**6.75**	**7.00**	0.432	**0.0155**	0.437	0.0200		0.854	**0.0155**	2.42	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/12/07	5.56	2.21	15	152.9	2.21	32.9	80.0	56.3	2.90	**7.50**	30.5	0.283			0.0329		0.899	**0.0600**	10.2	**0.00075**	**0.00075**	**0.155**		**0.0155**
	08/18/07	5.54	3.17	15	171.7	3.17	7.52	27.5	18.8	2.90	11.5	**5.70**	0.715			0.0117		0.781	**0.0155**	2.28	**0.00075**	**0.00075**	**0.155**		**0.0766**
	11/07/07	6.06	2.74	28	198.9	2.74																			
	11/10/07						8.30	29.0	33.8	**0.206**	**8.50**	**7.04**	0.593			0.0132		0.749	**0.0155**	2.72	**0.00075**	**0.00075**	**0.155**		**0.0155**
	03/22/08	5.87	2.08	23	150.8	2.08	7.49	29.8	26.3	0.500	**7.62**	**7.14**	0.535			**0.0059**		0.723	**0.0155**	2.49	**0.00075**	**0.00075**	**0.155**		**0.0155**
	05/21/08	5.92	2.61	29	194.6	2.61	8.47	30.2	26.3	**0.200**	**1.57**	**7.18**	0.610			**0.0046**		0.763	**0.034**	2.90	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0155**
	08/26/08	5.29	2.75	27	303.2	2.75	8.01	29.0	50.0	**0.082**	**6.34**	**7.02**	0.711			**0.0047**		0.785	**0.0155**	2.68	**0.00075**	**0.00075**	**0.155**	**0.250**	**0.0500**
	10/22/08	5.70	2.34	24	285.6	2.34	9.10	30.8	11.3	**0.078**	**9.26**	**7.94**	0.567			**0.0032**		0.725	**0.0155**	2.42	**0.00075**	**0.00250**	**0.155**	17.0	**0.0500**
	Mean	5.79	2.86	25	220	2.9	9.42	30.8	30.6	1.39	6.62	7.57	0.908	0.0155	0.586	0.0149	0.0328	0.864	0.0214	3.43	0.00104	0.00120	0.159	5.83	0.0266
	Median	5.88	2.75	26	208.9	2.7	8.25	29.0	28.2	0.50	6.63	6.88	0.574	0.0155	0.624	0.0125	0.0328	0.845	0.0155	2.70	0.00075	0.00100	0.155	0.250	0.0155
	St. Deviation	0.45	0.88	6	74.1	0.9	5.91	12.5	13.2	1.51	2.63	5.82	1.447	0	0.134	0.0104	0.0244	0.117	0.0125	1.94	0.00044	0.00070	0.058	9.67	0.0192
	# of values	18	18	18	17	18	18	18	18	18	18	18	18	3	3	18	2	18	18	18	18	18	18	3	18
	Minimum	4.95	1.60	15	82	1.60	5.66	23.0	11.3	0.078	1.57	4	0.155	0.0155	0.437	0.0032	0.0155	0.723	0.0155	1.44	0.00075	0.00075	0.0295	0.25	0.0155
	Maximum	6.69	4.59	39	342	4.59	32.9	80.0	57.5	5.00	11.9	30.5	6.53	0.0155	0.697	0.0414	0.050	1.19	0.0600	10.2	0.0025	0.0027	0.30	17.0	0.0766
	% of values undetected	0%	0%	0%	0%	0%	0%	0%	0%	22%	6%	0%	6%	100%	0%	11%	100%	0%	78%	0%	100%	94%	72%	67%	94%
	# of values between MDL and MRL	0	0	0	0	0	0	0	0	4	11	17	1	0	0	6	0	0	4	0	0	1	5	0	1
	Chronic Aquatic Life Criteria (CALC)[1,4]	>6.5 and <8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	NA	6.50
	Drinking Water Standards (DWS)[2]	>6.0 and <8.5	NA	NA	NA	NA	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA	NA
	% of CALC exceedences	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron		Lead[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK-5M																													
Sample Date																													
09/25/04		**12.5**	**12.5**	**0.0385**	**0.156**	**0.125**	**0.259**	6.15	6.09	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	9730	9740	0.544	0.246	**0.0535**		0.755	0.795	**14.5**	**3.1**	**0.05**	**0.05**
10/20/04		**12.5**	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	6.1	5.63	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	8480	8440	0.257	**0.05**	**0.0155**	**0.05**	0.636	0.496	**10**	**3.1**	**0.05**	**0.05**
03/18/05		1.77	0.925	0.0249	**0.0199**	0.207	0.196	6.9	6.74	**0.00381**	**0.001495**	**0.0107**	**0.003835**	2.97	2.41	**0.00964**	**0.003095**	8830	9520	0.261	**0.112**	**0.0259**	**0.0177**	0.442	0.236	**1.325**	**1.325**	**0.011**	**0.0454**
05/14/05		4.95	3.98	**0.01**	**0.01**	0.378	0.28	6.71	7.02	**0.001495**	**0.001495**	**0.003835**	**0.003835**	2.88		**0.003095**	**0.003095**	10300	9280	**0.03565**	**0.03565**	**0.0178**	**0.00476**	0.256	0.232	**5.98**	**1.325**	**0.011**	
08/18/05		2.68	**1**	**0.005**		**0.25**	0.63	6.14	6	**0.0075**	**0.0075**	**0.005**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	9260	9130	0.267	0.407	0.0366	0.042	0.375	0.405	22.9	**10.1**	**0.0155**	**0.09**
11/08/05		**1**	**1**	**0.00155**	**0.00155**	**0.125**	**0.125**	6.54	6.09	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**3.6**	**1.55**	**0.00775**	**0.00775**	9620	9580	**0.1**	**0.1**	0.0268	0.0248	0.397	0.312	**3.1**	**3.1**	**0.0155**	**0.05**
03/10/06		2.66	**1.00**	**0.0278**	**0.0226**	**0.155**	**0.155**	6.67	6.44	**0.0120**	**0.0120**	0.0610	**0.0250**	**2.24**	**2.50**	**0.0125**	**0.0125**	9460	9160	0.581	0.506	0.0202	**0.0144**	0.385	0.457	**10.0**	**10.0**	**0.0130**	**0.0250**
05/18/06		3.16	2.12	**0.0168**	**0.0258**	**0.155**	**0.155**	5.89	6.07	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	10000	9190	0.445	0.275	0.0350	0.0350	0.707	0.400	**8.13**	**3.10**	0.0916	0.0998
08/17/06		2.06	**1.00**	**0.0075**	**0.0190**	**0.155**	0.702	6.35	6.22	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9470	10100	0.201	0.235	0.0326	0.0344	0.369	0.383	**3.10**	**3.10**	**0.0500**	0.110
10/27/06		**1.00**	**1.00**	**0.0075**	**0.0250**	**0.155**	**0.490**	6.58	6.34	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	9270	9460	**0.050**	**0.050**	**0.0170**	**0.0178**	0.387	0.456	**3.10**	**10.0**	**0.0500**	**0.0155**
03/13/07		7.86		**0.0250**	**0.0250**	**0.155**	**0.155**	6.14	6.28	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8920	9050	**0.100**	**0.100**	**0.0100**	**0.0100**	0.596	0.583	**3.10**	**10.0**	**0.0500**	**0.0500**
05/12/07		188	192	0.251	0.252	6.62	7.08	2.21	2.25	**0.0294**	**0.0254**	**0.0075**	**0.0075**	**1.25**	**1.25**	0.245	0.249	5980	6130	0.530	0.511	3.22	3.31	1060	1090	601	621	0.176	**0.0500**
08/18/07		**1.00**	**1.00**	**0.0194**	**0.0172**	**0.155**	**0.310**	6.05	6.12	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8180	8840	**0.162**	**0.162**	**0.0174**	**0.0190**	1.17	0.954	**3.10**	**3.10**	**0.0155**	**0.0155**
11/10/07		**0.310**	**0.310**	**0.0075**	**0.0156**	**0.155**	**0.155**	6.33	7.19	**0.0125**	**0.0456**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9980	10700	0.336	0.210	**0.0104**	**0.0168**	0.288	0.322	**3.10**	**3.10**	**0.0155**	**0.0155**
03/22/08		17.6	**1.48**	**0.0180**	**0.0166**	**0.155**	**0.155**	6.37	6.27	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9480	8900	0.378	0.256	**0.0143**	**0.0142**	1.29	0.305	41.6	31.4	**0.0155**	**0.0155**
05/21/08		**1.00**	**1.00**	**0.0075**	**0.0075**	**0.155**	**0.393**	6.61	6.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9680	9640	**0.155**	**0.119**	**0.0050**	**0.0050**	0.314	0.315	25.3	27.7	**0.0155**	**0.0155**
08/26/08		2.46	**1.00**	**0.0151**	**0.0075**	**0.155**	**0.155**	5.86	6.07	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	8810	9000	**0.100**	**0.100**	**0.016**	**0.0146**	0.330	0.324	33.7	27.3	**0.0155**	**0.0414**
10/22/08		3.75	**1.00**	**0.0250**	**0.0250**	**0.155**	**0.155**	6.44	6.39	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	10000	9710	**0.050**	**0.171**	**0.0189**	**0.0167**	0.367	0.298	32.4	21.5	**0.0155**	**0.0155**
Mean		14.79	13.8	0.0300	0.0403	0.530	0.649	6.11	6.10	0.0112	0.0127	0.0925	0.0899	1.64	1.43	0.02326	0.02312	9190	9200	0.253	0.203	0.1996	0.2145	59.392	60.96	45.9	44.0	0.0376	0.0444
Median		2.67	1.00	0.0170	0.0199	0.155	0.176	6.34	6.25	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.00775	0.00763	9470	9240	0.229	0.167	0.0184	0.0177	0.392	0.392	9.10	7.0	0.0155	0.0454
St. Deviation		43.5	46.1	0.0560	0.0645	1.521	1.615	1.02	1.03	0.0057	0.0097	0.2396	0.2402	0.76	0.43	0.05551	0.05656	980	920	0.180	0.146	0.7539	0.7978	249.719	256.815	139	144	0.0411	0.0306
# of values		18	17	18	17	18	18	18	18	18	18	18	18	18	17	18	18	18	18	18	18	18	17	18	18	18	18	18	17
Minimum		0.310	0.310	0.00155	0.00155	0.125	0.125	2.21	2.25	0.001495	0.001495	0.00155	0.00155	0.75	0.75	0.003095	0.003095	5980	6130	0.03565	0.03565	0.005	0.00476	0.256	0.232	1.325	1.325	0.011	0.0155
Maximum		188	192	0.251	0.252	6.62	7.08	6.9	7.19	0.0294	0.0456	0.75	0.75	3.6	2.5	0.245	0.249	10300	10700	0.581	0.511	3.22	3.31	1060	1090	601	621	0.176	0.110
% of values undetected		39%	71%	61%	47%	83%	50%	0%	0%	89%	89%	89%	100%	78%	94%	89%	94%	0%	0%	33%	33%	17%	24%	0%	0%	50%	67%	89%	71%
# of values between MDL and MRL		0	1	5	8	0	4	0	0	2	2	1	0	2	0	1	0	0	0	2	4	9	8	0	0	3	1	0	3
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.106	0.102	NA	NA	10.98	10.56276	NA	NA	3.166	3.039	1000	1000	0.636	0.620
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences		6%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	6%	0%	0%	0%	0%	0%	0%	6%	6%	0%	0%	0%	0%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK-5S																													
Sample Date																													
09/25/04		203	**12.5**	**0.122**	**0.12**	**0.125**	**0.125**	8.64	5.94	**0.0075**	**0.0075**	**0.75**	**0.75**	**3.3**	**3.2**	**0.0794**	**0.0929**	2820	2620	2.28	1.07	0.166		3.36	0.428	235	**8.4**	**0.148**	**0.14**
10/20/04		238	**12.5**	**0.0385**	**0.0385**	**0.125**	**0.125**	5.85	4.86	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	1670	1990	0.569	**0.05**	**0.05**	**0.0155**	1.81	0.214	77.1	**3.1**	**0.126**	**0.05**
03/18/05		9.4	3.4	**0.0156**	0.0236	0.0643	**0.0364**	5.88	5.55	**0.00543**	**0.00474**	**0.003835**	**0.003835**	1.85	1.86	**0.003095**	**0.003095**	2510	2780	3.31	0.611	0.0356	**0.0294**	0.457	0.282	20.1	**6.90**	**0.0663**	
05/14/05		9.33	5.21	0.0333	**0.00405**	**0.0347**	**0.02**	7.87	8.21	**0.005**	**0.00441**	**0.003835**	**0.003835**	1.98		**0.003095**	**0.003095**	2650	2400	3.83	0.255	0.0301	**0.0163**	0.366	0.177	19.4	**6.45**	**0.035**	0.0742
08/18/05		196	4.8	0.0124	0.0148	**0.25**	**0.25**	6.39	5.08	**0.0154**	**0.0075**	**0.005**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	2430	2550	3.11	0.682	0.143	0.0458	5.07	0.436	304	**6.42**	0.205	0.151
11/08/05		93.7	5.77	**0.00155**	**0.00155**	**0.125**	**0.125**	6.96	6.91	**0.0075**	**0.0075**	**0.00155**	0.017	**1.55**	**1.55**	**0.00775**	**0.00775**	2510	2880	1.73	0.46	0.0744	0.0274	2.47	0.389	137	**3.1**	0.104	**0.05**
03/10/06		212	8.43	**0.0210**	**0.0402**	**0.155**	**0.155**	8.39	7.13	**0.0120**	**0.0120**	0.0720	**0.0250**	**0.75**	**0.75**	**0.0125**	**0.0125**	2510	2540	4.23	0.812	0.130	0.0296	4.73	0.407	324	**10.0**	0.170	0.0910
05/18/06		19.5	6.09	**0.0176**	**0.0190**	**0.155**	**0.155**	6.06	6.36	**0.0120**	**0.0120**	**0.0075**	**0.0075**	**0.75**	**0.75**	**0.0125**	**0.0125**	2200	2420	2.97	0.319	0.0510	0.0346	0.675	0.258	30.8	**3.10**	**0.0448**	**0.0130**
08/17/06		28.4	6.00	**0.0230**	**0.0154**	**0.155**	**0.155**	7.74	7.48	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2720	2960	6.16	0.615	0.0710	0.0420	0.977	0.437	67.2	**3.10**	**0.0500**	**0.0500**
10/27/06		109	5.53	**0.0075**	**0.0075**	**0.155**	**0.155**	6.98	6.44	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0185**	**0.0185**	2230	2200	5.94	0.403	0.106	0.0420	3.03	0.284	209	**10.0**	**0.0500**	**0.0155**
03/13/07		365	7.82	**0.0250**	**0.0075**	0.607	**0.155**	7.82	5.19	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2510	2500	7.21	0.713	0.194	0.0332	7.29	0.336	545	**3.10**	0.253	**0.0155**
05/12/07		139	5.61	**0.0330**	**0.0284**	**0.155**	**0.155**	6.44	5.88	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	9560	9330	0.388	0.255	0.0366	0.0230	1.15	0.497	96.1	31.8	0.105	0.125
08/18/07		232	6.23	**0.0256**	**0.0075**	**0.324**	**0.155**	7.46	5.52	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2240	2330	4.26	0.575	0.146	0.0308	5.18	0.370	365	**10.0**	0.154	**0.0155**
11/07/07																													
11/10/07		173	2.42	**0.0075**	**0.0075**	**0.155**	**0.155**	5.64	5.16	**0.0276**		**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2540	2970	4.12	0.721	0.130	0.0316	6.10	0.330	239	**12.4**	0.343	**0.0155**
03/22/08		138	10.5	**0.0172**	**0.0075**	**0.155**	**0.155**	5.69	4.92	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2310	2470	2.77	0.959	0.0956	0.0272	3.28	0.399	211	25.2	0.120	**0.0155**
05/21/08		6.42	2.77	**0.0075**	**0.0075**	**0.155**	**0.155**	5.00	4.20	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2630	2790	2.33	0.510	0.0213	**0.0196**	0.347	0.289	**18.4**	**15.7**	**0.0500**	**0.0155**
08/26/08		7.81	3.19	**0.0075**	**0.0075**	**0.155**	**0.155**	4.76	4.94	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**	**0.0075**	2480	2610	3.07	0.481	0.0274	0.0228	0.398	0.294	25.2	**12.1**	**0.0155**	**0.0155**
10/22/08		10.6	6.39	**0.0250**		**0.155**	**0.155**	4.91	4.86	**0.0125**	**0.0125**	**0.0075**	**0.0075**	**1.25**	**1.25**	**0.0075**		2750	3110	2	0.266	0.0238	**0.0173**	0.437	0.276	24.3	**7.58**	**0.0500**	
Mean		122	6.40	0.024	0.0211	0.178	0.141	6.58	5.81	0.0118	0.0103	0.0927	0.0908	1.43	1.39	0.0133	0.01439	2850	2970	3.35	0.542	0.0851	0.0287	2.62	0.339	164	9.9	0.116	0.0533
Median		124	5.89	0.019	0.0075	0.155	0.155	6.42	5.54	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	2510	2580	3.09	0.543	0.0727	0.0294	2.14	0.333	117	8.0	0.105	0.0328
St. Deviation		106	2.99	0.026	0.0280	0.123	0.049	1.21	1.08	0.0049	0.0030	0.2396	0.2399	0.56	0.54	0.0171	0.02074	1700	1610	1.81	0.264	0.0552	0.0091	2.25	0.086	151	7.8	0.086	0.0488
# of values		18	18	18	17	18	18	18	18	18	17	18	18	18	17	18	17	18	18	18	18	18	17	18	18	18	18	18	16
Minimum		6.42	2.42	0.00155	0.00155	0.0347	0.02	4.76	4.2	0.005	0.00441	0.00155	0.00155	0.75	0.75	0.003095	0.003095	1670	1990	0.388	0.05	0.0213	0.0155	0.347	0.177	18.4	3.1	0.0155	0.013
Maximum		365	12.5	0.122	0.12	0.607	0.25	8.64	8.21	0.0276	0.0125	0.75	0.75	3.3	3.2	0.0794	0.0929	9560	9330	7.21	1.07	0.194	0.0458	7.29	0.497	545	31.8	0.343	0.151
% of values undetected		0%	11%	44%	59%	78%	94%	0%	0%	78%	88%	94%	94%	83%	88%	94%	94%	0%	0%	0%	6%	6%	6%	0%	0%	0%	44%	33%	69%
# of values between MDL and MRL		0	0	8	5	2	1	0	0	4	2	0	0	1	1	1	1	0	0	0	0	0	4	0	0	1	8	4	1
Chronic Aquatic Life Criteria (CALC)[1,4]		87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.038	0.039	NA	NA	9.8139681	8.4400126	NA	NA	0.967	0.928	1000	1000	0.109	0.128
Drinking Water Standards (DWS)[2]		NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA	15	NA
% of CALC exceedences		61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	6%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	44%	13%
% of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SRK-5M																													
Sample Date																													
09/25/04		2250	2300	1.22	2.12	0.031		1.25	1.24	0.482	0.561	461	471	**0.155**	**0.155**	7310	**0.0031**	**0.0031**	3360	3450	**0.0125**	**0.0125**	**0.155**	**0.155**	0.371	**0.125**	0.712	1.73
10/20/04		2060	1990	1.35	1.16	0.1	0.1	3.02	2.91	0.294	0.333	506	510	0.471	0.627	8110	**0.0031**	**0.0031**	3480	3480	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.235**	**0.75**
03/18/05		2100	2200	0.576	0.616	0.0315	0.0315	1.52	1.56	0.205		464	484	0.269	0.283	5530	0.0066	**0.001435**	3340	3370	0.0143	**0.002125**	**0.1**	**0.1**	0.0607	0.0869	0.548	1.01
05/14/05		2570	2070	0.407	0.401	0.0315	0.0315	1.48	1.63	0.111	0.2	478	490	0.262	0.252	6980	**0.001435**	**0.001435**	4080	3420	**0.002125**	0.00428	0.102	**0.0302**	0.102	0.0399	**0.2345**	1.10
08/18/05		2260	2190	0.766	0.727	0.031	0.031	1.21	1.21	0.49		464	465	**0.0775**	0.305	7520	**0.00310**	**0.00310**	3750	3550	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	0.237	**0.75**	**0.75**
11/08/05		2310	2330	0.455	0.433	0.031	0.031	1.18	1.17	0.384	0.426	456	461	0.211	**0.0775**	7740	**0.00310**	**0.00310**	3720	3630	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.2**	**0.1**	**0.75**	**0.75**
03/10/06		2550	2630	0.641	0.595	0.00583	**0.00250**	1.07	1.07	0.341	0.345	486	488	**0.155**	**0.155**	7480	**0.00310**	**0.00310**	4050	4120	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.16	
05/18/06		2260	2230	0.367	0.209	**0.000475**	0.00172	1.04	1.12	0.339	0.363	531	484	**0.155**	**0.155**	3970	**0.00310**	**0.00310**	3820	3810	**0.00250**	**0.00250**	**0.0155**	0.0330	**0.110**	**0.250**	0.990	1.02
08/17/06		2320	2400	0.707	0.699	**0.000475**	**0.000475**	1.11	1.18	0.339	0.357	466	493	0.428	0.312	6810	**0.00310**	**0.00310**	3620	3780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.42	
10/27/06		2400	2270	0.573		**0.000475**	**0.000475**	1.26	1.15	0.271	**0.100**	454	465	**0.155**	**0.155**	6590	**0.00310**	**0.00310**	3640	3460	0.0182	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	**0.500**
03/13/07		2180	2230	0.606		0.000378	**0.000475**	1.09	1.09	0.210	0.299	427	433	**0.155**	**0.155**	7330	**0.00310**	**0.00310**	3520	3590	**0.00500**	**0.00500**	**0.0500**	**0.0500**	0.581	0.586	1.40	2.16
05/12/07		1780	1880	48.0	49.4	**0.000169**	**0.000475**	9.41	9.71	2.26	2.36	976	1010	1.13	1.23	11100	**0.00310**	**0.00310**	4600	4830	0.0510	0.0524	**0.0500**	**0.0500**	**0.155**	**0.155**	36.1	36.5
08/18/07		2160	2200	0.411	0.499	**0.00250**	**0.000475**	1.23	1.24	0.327	0.365	388	424	**0.155**	**0.155**	7220	**0.00310**	**0.00310**	3500	3470	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.95	1.02
11/10/07		2370	2510	0.551	0.584	0.000405	0.00119	1.18	1.35	0.191	0.246	486	527	**0.155**	0.425	7420	**0.00310**	**0.00310**	3650	3780	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.07	1.19
03/22/08		2270	2250	0.576	0.471	**0.00075**	**0.00075**	1.17	1.18	0.305	0.367	461	450	**0.155**	**0.155**	6910	**0.00310**	**0.00310**	3580	3560	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.46	
05/21/08		2360	2330	0.626	0.718	**0.00075**	**0.00075**	1.22	1.22	0.210	0.252	473	472	**0.155**	0.356	7110	**0.00310**	**0.00310**	3660	3620	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.155**	**0.500**
08/26/08		2080	2180	0.738	0.648	**0.00075**	**0.00075**	1.04	1.02	0.243	0.369	422	444	**0.155**	**0.155**	6790	**0.00310**	**0.00310**	3270	3490	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.20	1.08
10/22/08		2660	2350	0.584	0.533	**0.00075**	**0.00075**	1.30	1.19	0.444	0.571	473	453	0.337	**0.155**	6650	**0.00310**	**0.00310**	3980	3610	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	1.02
Mean		2270	2250	3.286	3.738	0.0150	0.01387	1.77	1.79	0.414	0.470	493	501	0.263	0.292	7140	0.00320	0.00292	3700	3670	0.00899	0.00778	0.0614	0.0584	0.186	0.180	2.95	3.41
Median		2270	2240	0.595	0.606	0.0008	0.00075	1.22	1.20	0.316	0.360	465	472	0.155	0.155	7170	0.00310	0.00310	3650	3580	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.87	1.02
St. Deviation		210	170	11.2	12.2	0.0253	0.0258	1.96	2.02	0.472	0.518	125	130	0.240	0.269	1350	0.00093	0.00054	320	340	0.0115	0.0115	0.0406	0.0390	0.121	0.117	8.30	9.17
# of values		18	18	18	16	18	17	18	18	18	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	15
Minimum		1780	1880	0.367	0.209	0.000169	0.0004745	1.04	1.02	0.111	0.100	388	424	0.0775	0.0775	3970	0.001435	0.001435	3270	3370	0.002125	0.002125	0.0155	0.0155	0.0607	0.0399	0.155	0.500
Maximum		2660	2630	48.0	49.4	0.1	0.1	9.41	9.71	2.26	2.36	976	1010	1.13	1.23	11100	0.0066	0.0031	4600	4830	0.051	0.0524	0.155	0.155	0.581	0.586	36.1	36.5
%of values undetected		0%	0%	0%	0%	83%	88%	0%	0%	0%	6%	0%	0%	61%	56%	0%	94%	100%	0%	0%	83%	89%	94%	94%	78%	78%	39%	33%
# of values between MDL and MRL		0	0	0	0	2	2	0	0	1	0	0	0	4	5	0	1	0	0	0	1	1	1	1	2	2	2	0
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	17.89	17.84	NA	NA	5	4.6	NA	0.4610574	0.392	NA	NA	NA	NA	NA	NA	NA	NA	41.04	40.46
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	33%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SRK-5S																													
Sample Date																													
09/25/04		496	451	11.7	11.4	0.031		0.438	0.32	1.31		301	272	**0.155**	**0.155**	4750	**0.0031**	**0.0031**	2290	2210	**0.0125**	**0.0125**	**0.155**	**0.155**	0.45	**0.125**	1.39	
10/20/04		364	355	3.36	2.37	0.1	0.1	0.346	0.313	0.347	0.25	209	238	**0.155**	**0.155**	4220	0.0752	**0.0031**	1530	1670	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	**0.75**	**0.235**
03/18/05		446	442	1.61	1.53	0.0315	0.0315	0.364	0.368	1.9	1.31	228	224	0.144	0.144	4160	**0.001435**	**0.001435**	1480	1780	0.00494	**0.002125**	**0.1**	**0.0302**	0.0159	0.0322	**0.2345**	0.638
05/14/05		397	396	1.52	1.42	0.0315	0.0315	0.271	0.26	2.09	1.08	246	235	0.0984	0.0964	3970	**0.001435**	**0.001435**	1560	1180	**0.002125**	**0.002125**	0.114	**0.0302**	0.0306	**0.0047**	**0.2345**	**0.50**
08/18/05		490	460	4.95	1.18	0.031		0.417	0.324	1.81	1.17	299	241	**0.0775**	0.253	4740	**0.0031**	**0.0031**	1810	1780	**0.0031**	**0.0031**	**0.031**	**0.031**	0.314	**0.1**	**0.75**	**0.75**
11/08/05		481	545	3.16	1.02	0.031	0.031	0.222	0.231	1.17	0.8	236	285	0.195	**0.0775**	5020	**0.0031**	**0.0031**	1640	1940	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.1**	**0.1**	**0.75**	**0.75**
03/10/06		522	519	5.03	1.19	**0.00250**	**0.00250**	0.358	0.264	2.36	1.41	255	257	**0.155**	**0.155**	5130	**0.00310**	**0.00310**	1950	2060	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.110**	**0.110**	2.78	3.37
05/18/06		439	463	1.57	1.07	**0.000475**	**0.000475**	0.234	0.257	1.69	0.867	217	244	**0.155**	**0.155**	4220	**0.00310**	**0.00310**	1490	1660	**0.00250**	**0.00250**	**0.0155**	**0.0155**	**0.250**	**0.110**	0.616	0.999
08/17/06		497	529	2.29	1.39	**0.000475**	**0.000475**	0.312	0.292	3.05	1.57	266	317	**0.155**	**0.155**	4510	**0.00310**	**0.00310**	1710	1900	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	1.63	
10/27/06		427	414	3.63	1.38	**0.000475**	**0.000475**	0.448	0.332	3.33	2.01	241	234	**0.155**	**0.155**	4260	**0.00310**	**0.00310**	1610	1600	0.0118	**0.00500**	**0.0500**	**0.0500**	**0.250**	**0.250**	**0.500**	**0.155**
03/13/07		518	474	8.36	1.26	**0.000169**	**0.000475**	0.599	0.386	3.74	1.93	257	227	**0.155**	**0.155**	4880	0.0104	**0.00310**	1800	1850	**0.00500**	**0.00500**	**0.0500**	**0.0500**	1.10	0.475	2.50	**0.500**
05/12/07		2190	2200	2.51	1.80	**0.000169**	**0.000475**	1.08	1.14	0.407	0.378	481	481	**0.155**	**0.155**	6720	**0.00310**	**0.00310**	3480	3500	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	2.04	**0.500**
08/18/07		469	425	5.08	0.952	**0.00250**	**0.000475**	0.541	0.335	2.34	1.52	219	208	**0.155**	**0.155**	4660	0.00840	**0.00310**	1750	1670	**0.00500**	**0.00500**	**0.0500**	**0.0500**	0.715	**0.155**	**0.500**	**0.500**
11/07/07																													
11/10/07		472	512	5.02	0.900	0.000406	**0.000475**	0.419	0.460	2.12	1.60	274	293	**0.155**	0.342	5460	**0.00310**	**0.00310**	1800	2060	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	3.43	1.07
03/22/08		421	450	3.89	0.934	**0.000750**	**0.000750**	0.365	0.344	1.50	1.18	222	229	**0.155**	**0.155**	4560	0.00770	**0.00310**	1590	1760	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	0.531	1.09
05/21/08		462	488	0.72	0.642	**0.000750**	**0.000750**	0.324	0.365	1.17	1.18	249	237	**0.155**	**0.155**	5170	**0.00310**	**0.00310**	1840	1940	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	1.80	**0.155**
08/26/08		443	480	0.861	0.837	**0.000750**	**0.000750**	0.325	0.342	1.59	1.28	218	236	**0.155**	**0.155**	4740	**0.00310**	**0.00310**	1700	1830	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
10/22/08		541	468	0.857	0.628	**0.000750**	**0.000750**	0.383	0.309	1.12	0.808	241	222	**0.155**	**0.155**	4620	**0.00310**	**0.00310**	2140	1860	**0.00500**	**0.00500**	**0.0500**	**0.0500**	**0.155**	**0.155**	**0.500**	**0.500**
Mean		560	560	3.67	1.77	0.0148	0.0127	0.414	0.369	1.84	1.20	259	260	0.149	0.163	4770	0.00790	0.00292	1840	1900	0.00556	0.00503	0.0621	0.0535	0.258	0.154	1.19	0.760
Median		471	466	3.26	1.19	0.0008	0.0008	0.365	0.328	1.75	1.18	244	238	0.155	0.155	4700	0.00310	0.00310	1730	1840	0.00500	0.00500	0.0500	0.0500	0.155	0.155	0.75	0.500
St. Deviation		409	412	2.82	2.44	0.0254	0.0263	0.192	0.200	0.91	0.48	61	62	0.025	0.056	630	0.0170	0.00054	460	460	0.00326	0.00296	0.0414	0.0389	0.265	0.1	0.96	0.750
# of values		18	18	18	18	18	16	18	18	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
Minimum		364	355	0.72	0.628	0.000169	0.0004745	0.222	0.231	0.347	0.25	209	208	0.0775	0.0775	3970	0.001435	0.001435	1480	1180	0.002125	0.002125	0.0155	0.0155	0.0159	0.0047	0.2345	0.155
Maximum		2190	2200	11.7	11.4	0.1	0.1	1.08	1.14	3.74	2.01	481	481	0.195	0.342	6720	0.0752	0.00310	3480	3500	0.0125	0.0125	0.155	0.155	1.10	0.475	3.43	3.37
%of values undetected		0%	0%	0%	0%	94%	100%	0%	0%	0%	0%	0%	0%	83%	78%	0%	78%	100%	0%	0%	89%	100%	94%	100%	67%	89%	50%	69%
# of values between MDL and MRL		0	0	0	0	1	0	2	2	0	0	0	0	1	2	0	3	0	0	0	2	0	1	0	3	1	2	1
Chronic Aquatic Life Criteria (CALC)[1,4]		NA	NA	NA	NA	0.012	0.012	NA	NA	5.53	5.51	NA	NA	5	4.6	NA	0.0423456	0.036	NA	NA	NA	NA	NA	NA	NA	NA	12.66	12.48
Drinking Water Standards (DWS)[2]		NA	NA	50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
%of CALC exceedences		0%	0%	0%	0%	33%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
%of DWS exceedences		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Key: **Bold Results** = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimated result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

Footnotes: (1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

APPENDIX 9.2C

Control Plots Showing Outliers for Individual Monitoring Wells, Mine Study Area 2004-2008

APPENDIX 9.2C
CONTROL PLOTS SHOWING OUTLIERS FOR INDIVIDUAL MONITORING WELLS, MINE STUDY AREA (2004-2008)

Appendix 9.2C - Control Plots Showing Outliers for Individual Monitoring Wells, Mine Study Area (2004-2008)

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MW11S 6
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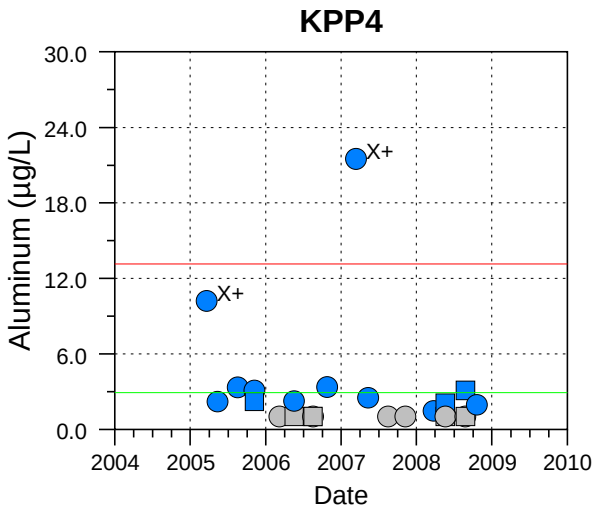

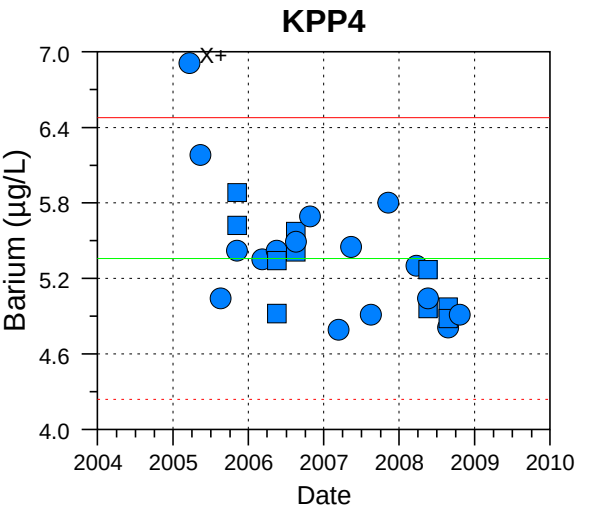

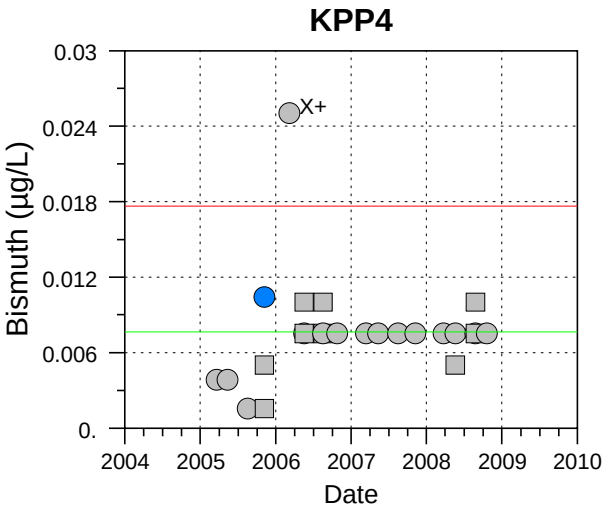

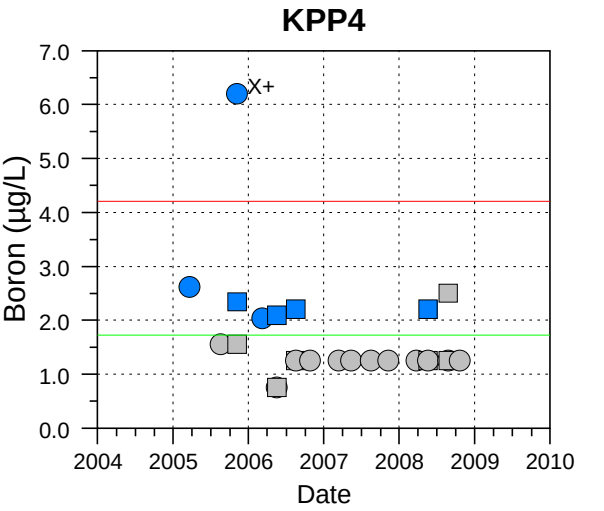

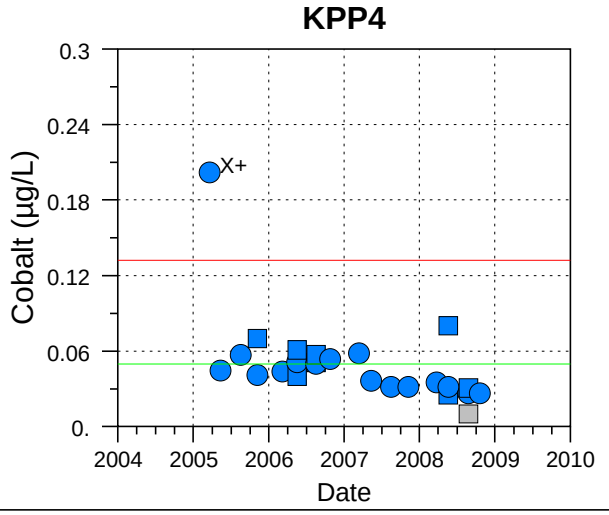

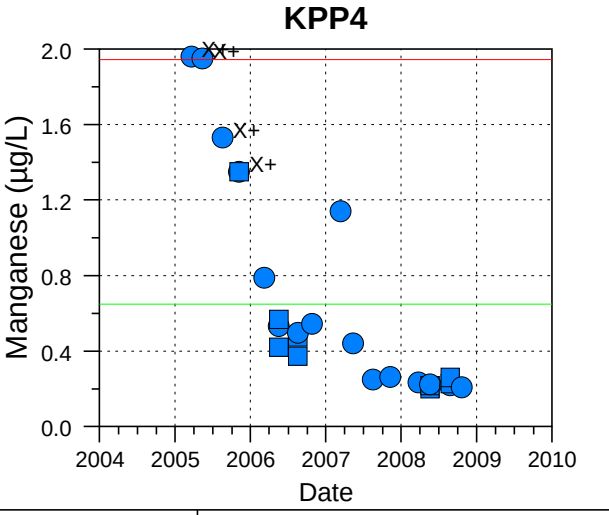

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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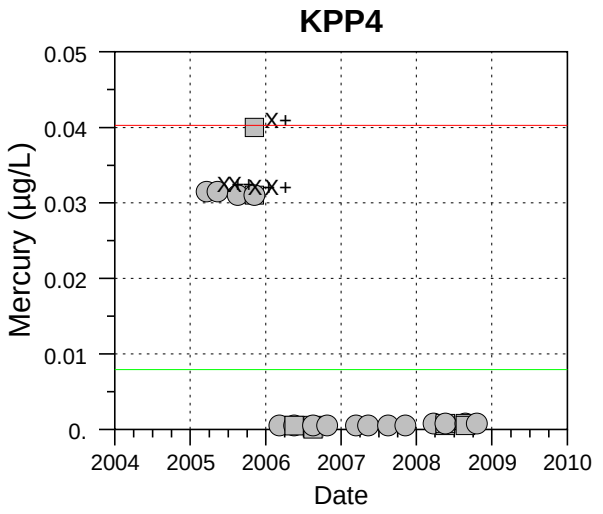
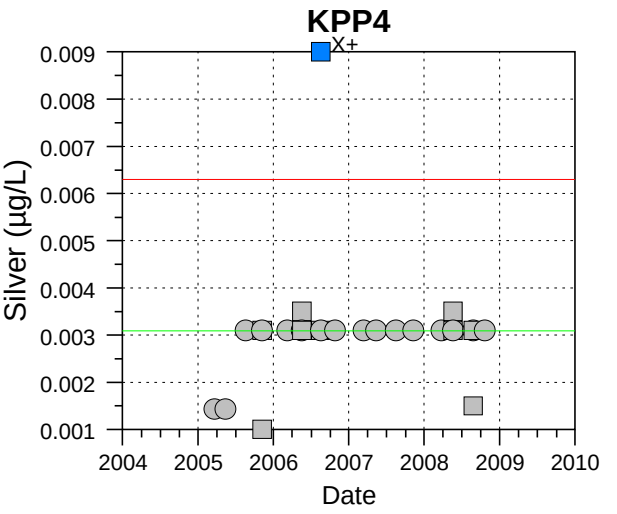
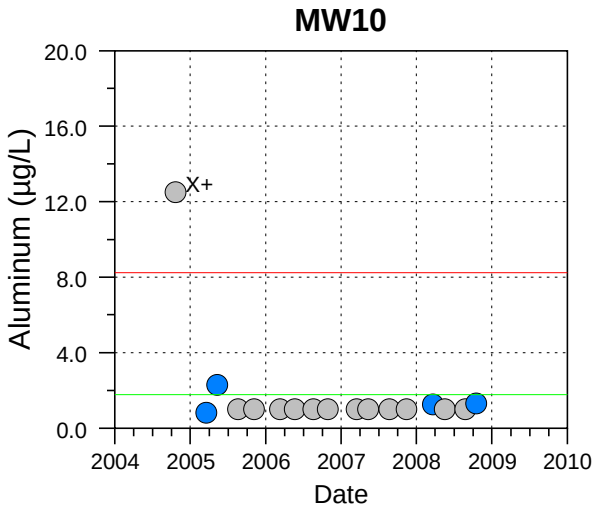
THE pebble PARTNERSHIP

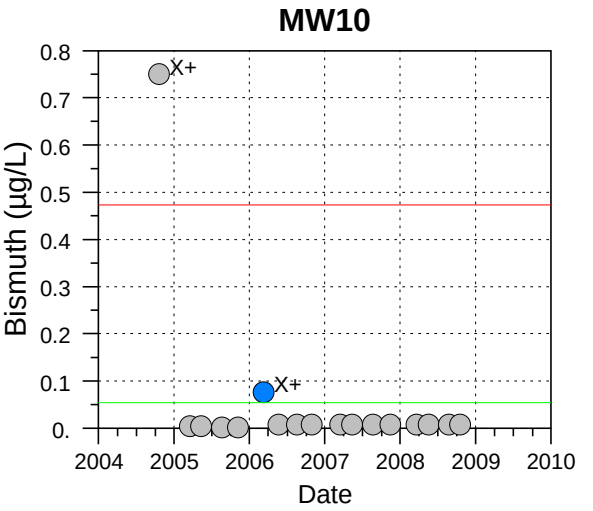
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

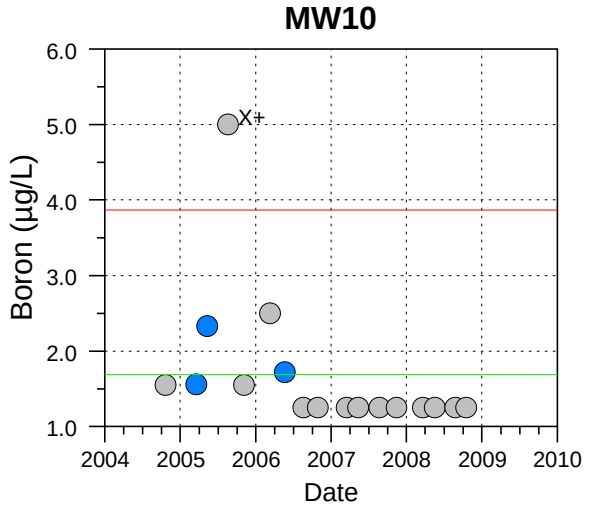
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

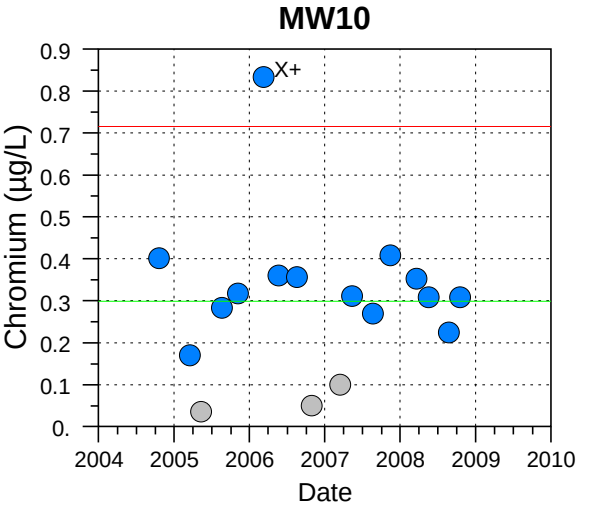












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
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Dissolved Concentrations

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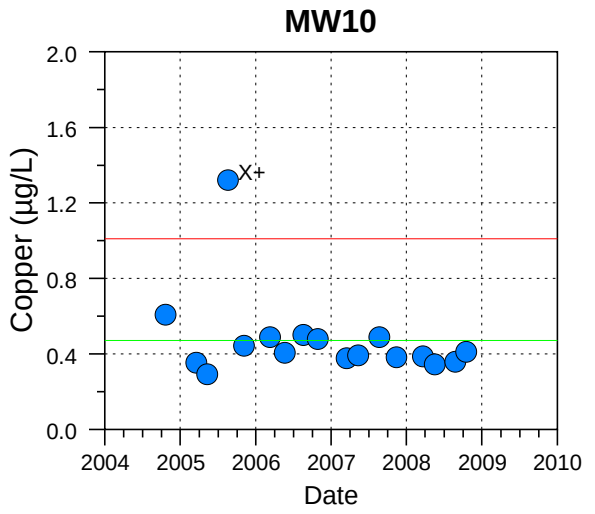
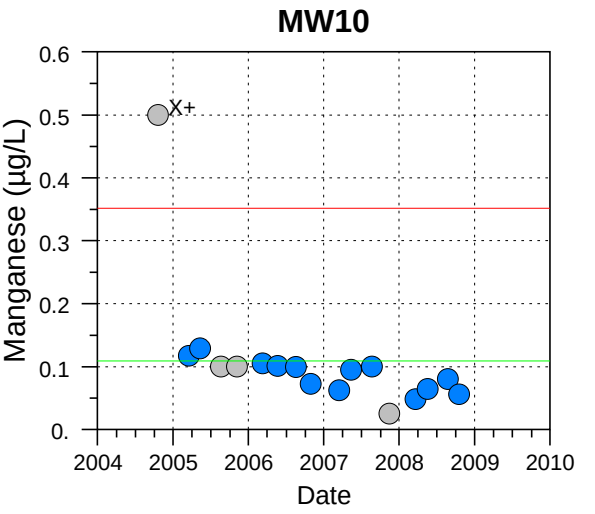
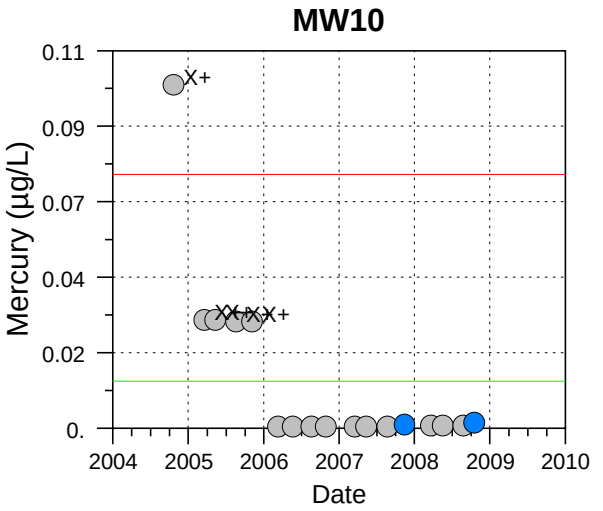
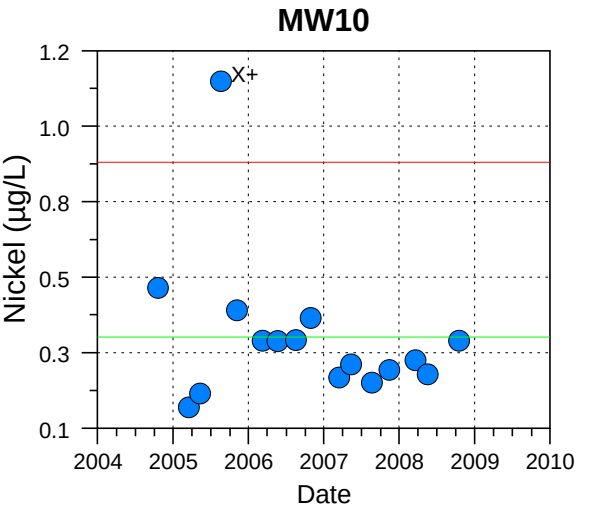
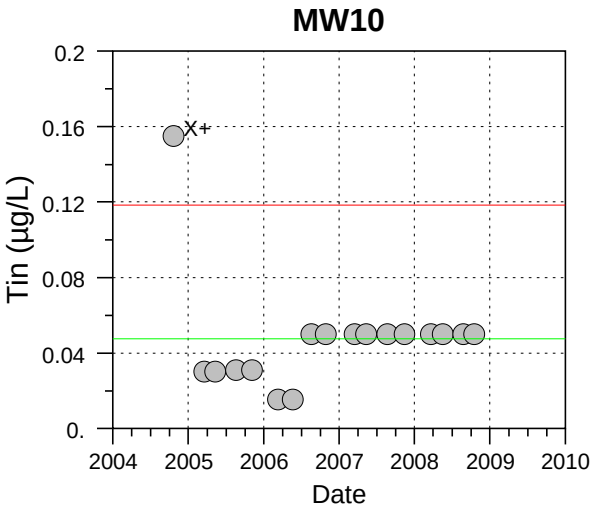
Version: 1	Author: SWS-ca

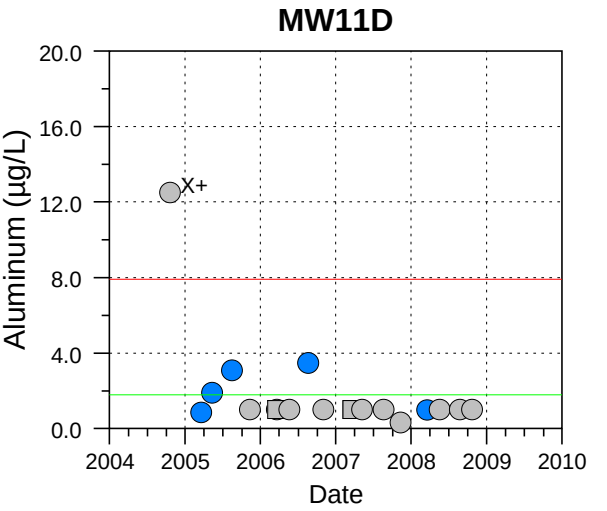












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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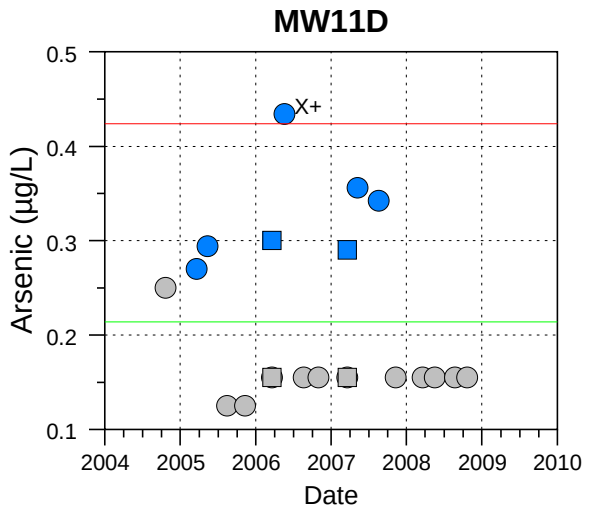
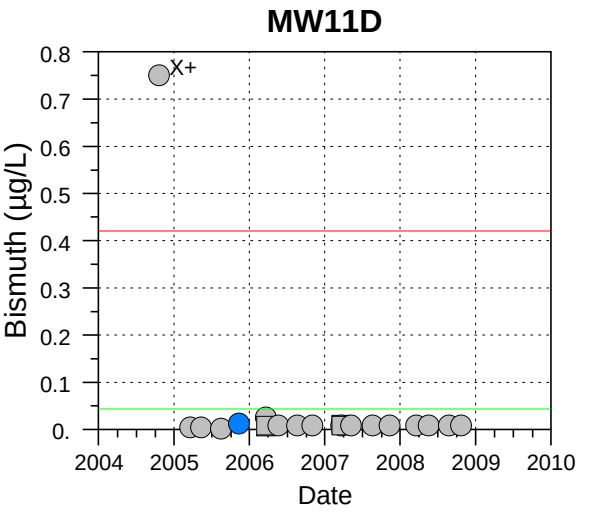
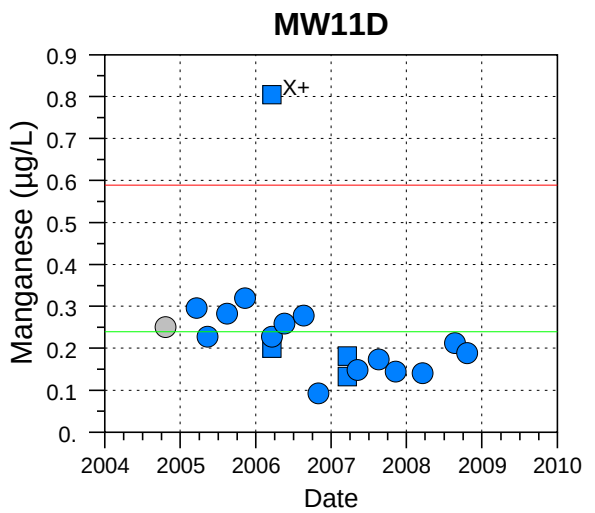
THE pebble PARTNERSHIP

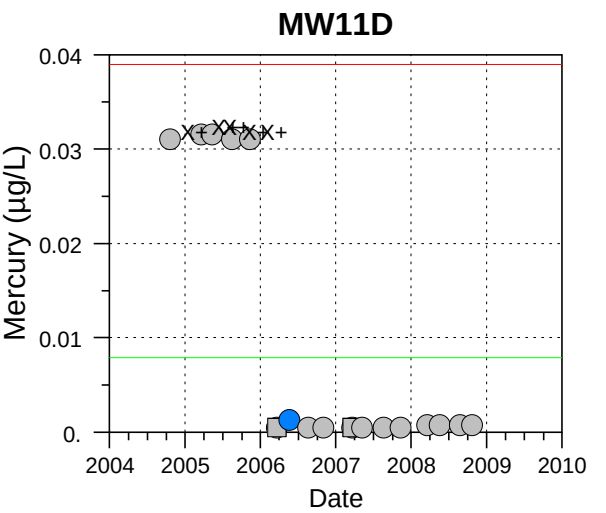
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

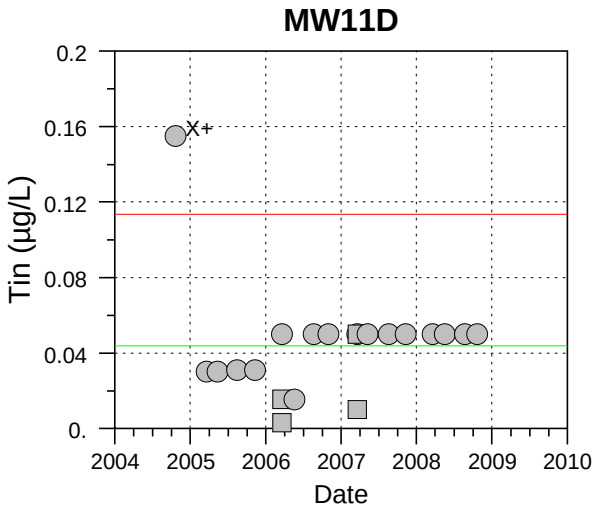
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

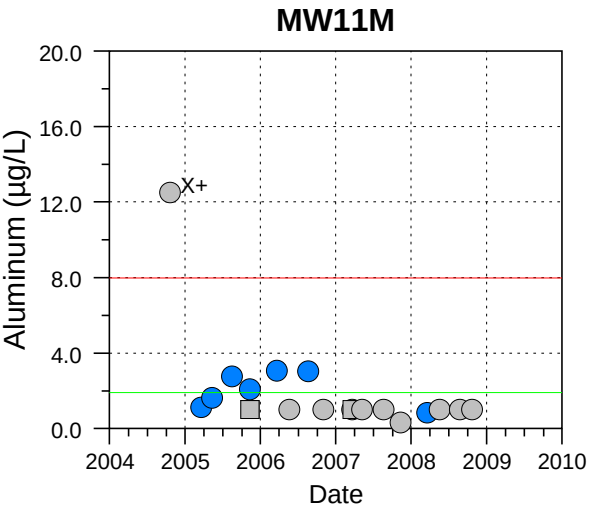












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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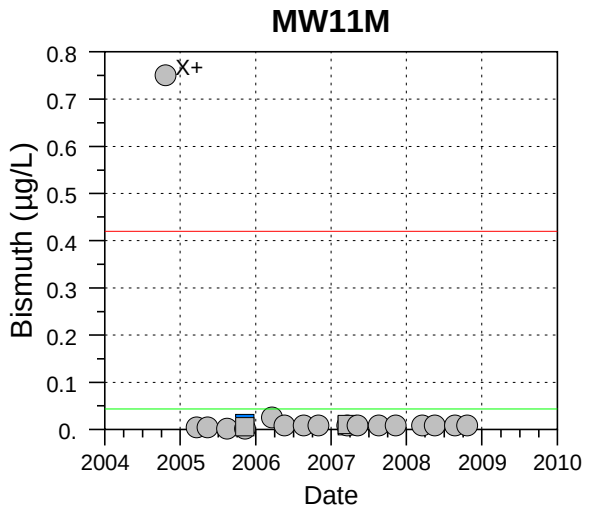
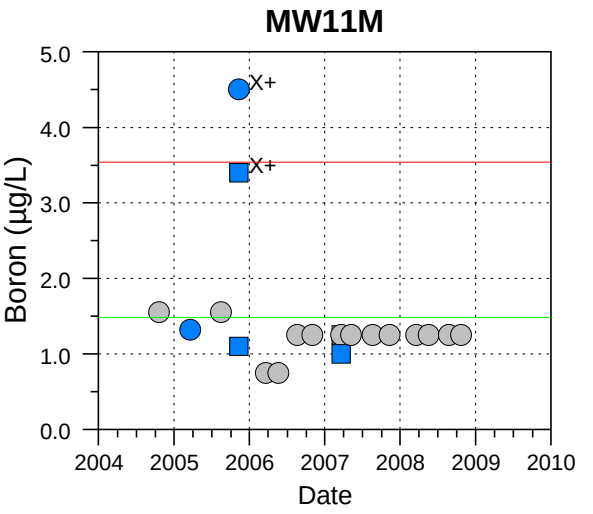
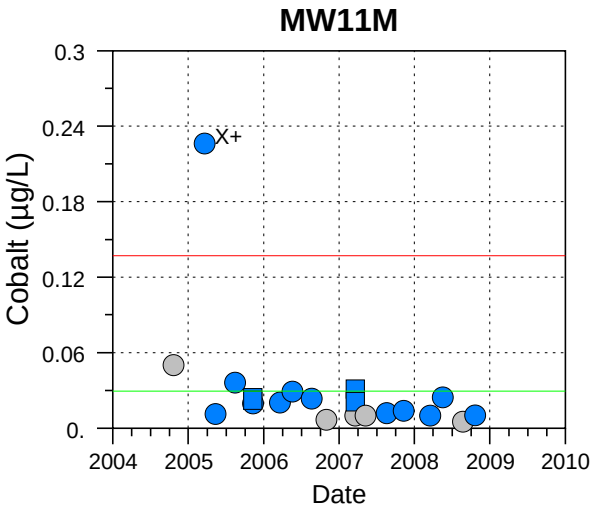
THE pebble PARTNERSHIP

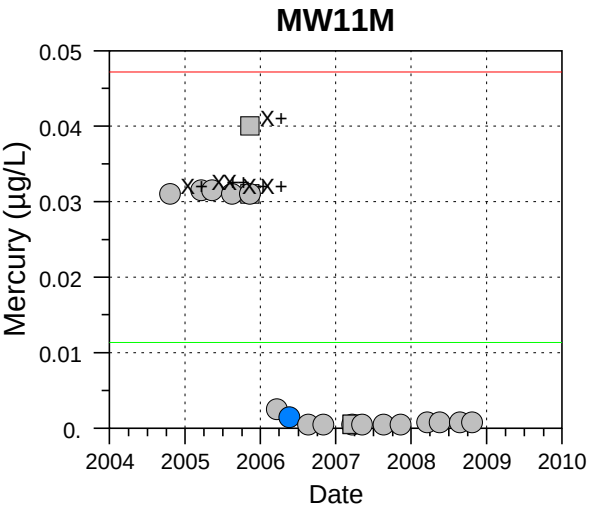
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

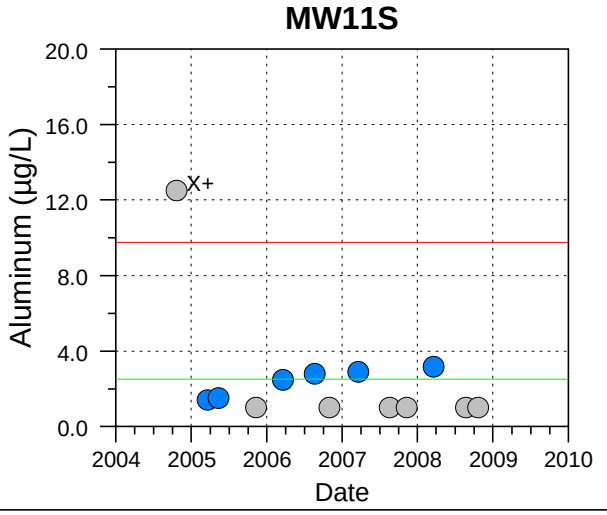
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

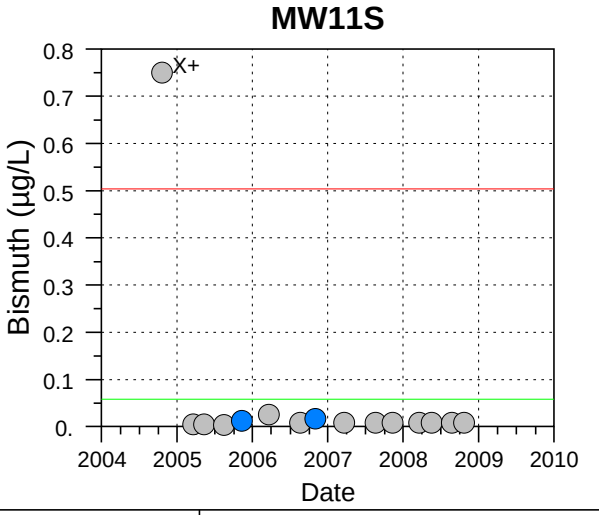












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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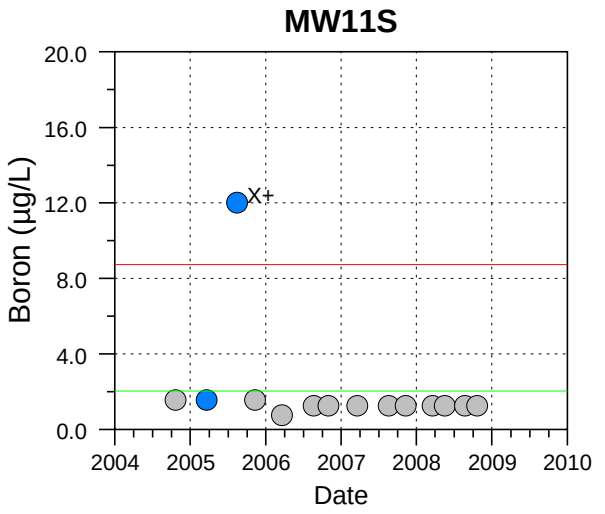
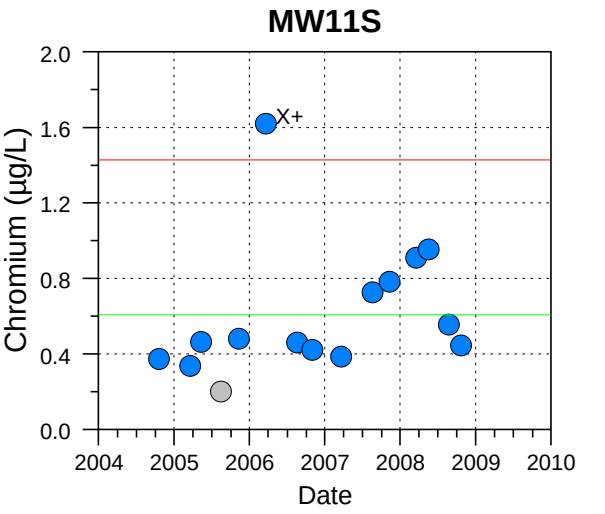
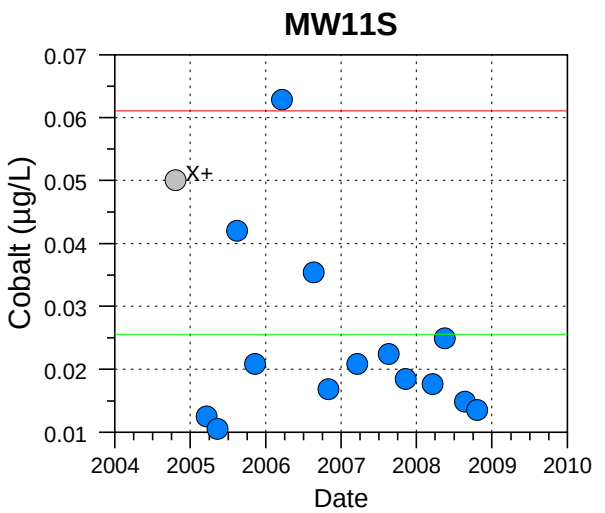
THE pebble PARTNERSHIP

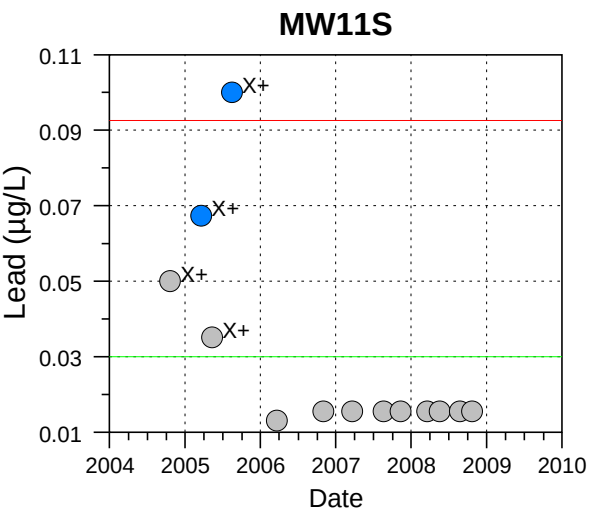
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

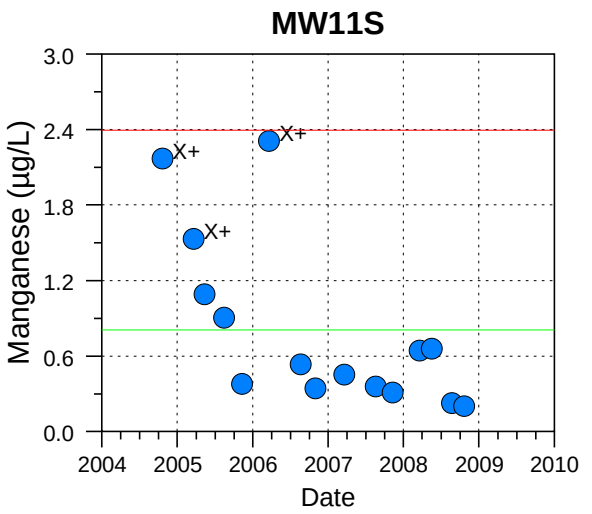
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

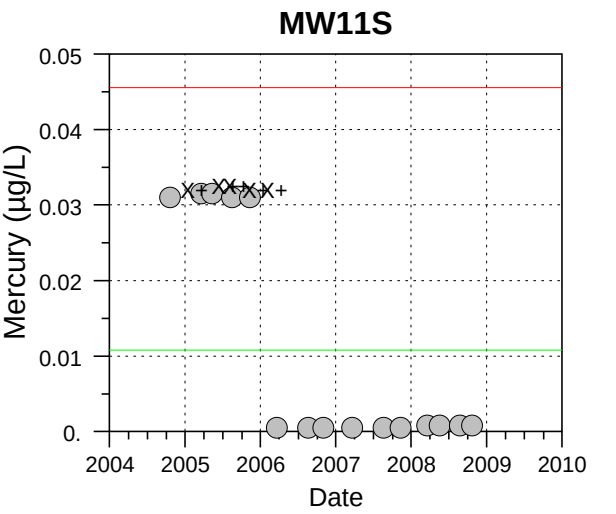












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Dissolved Concentrations

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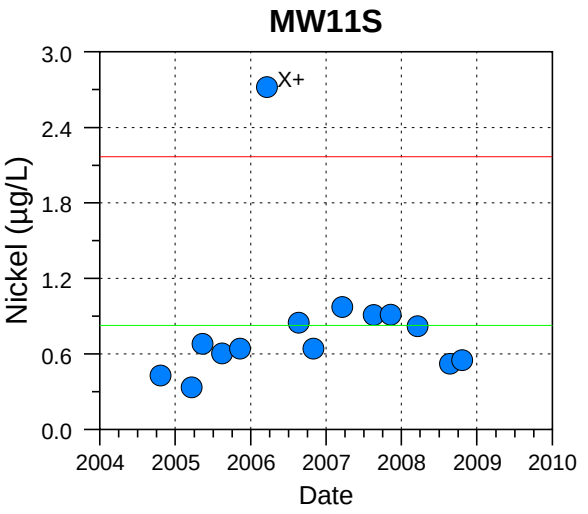

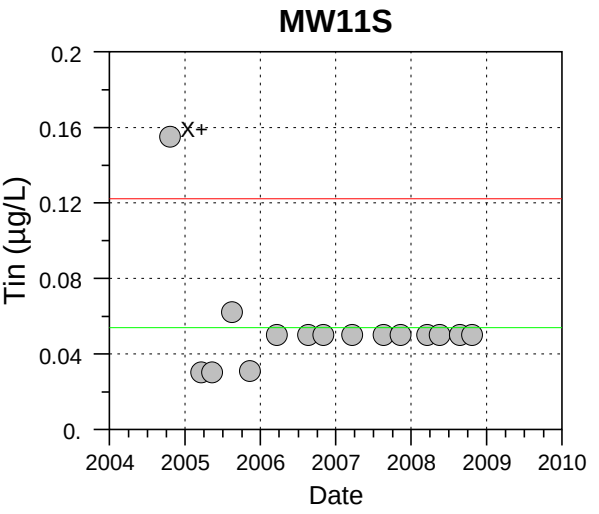

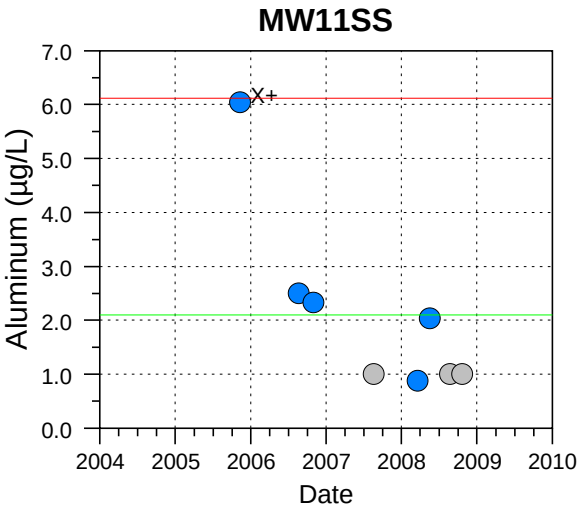

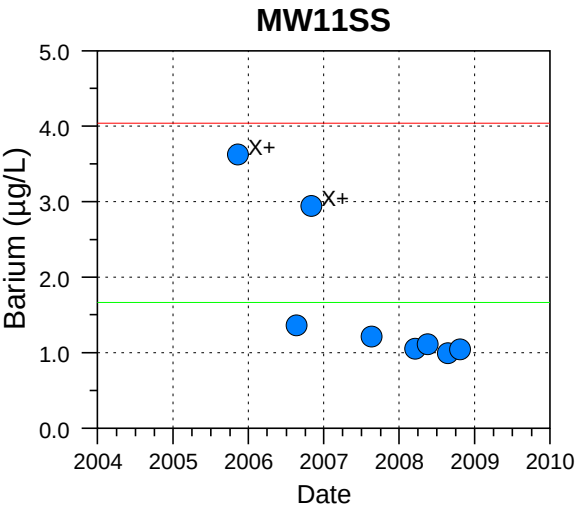

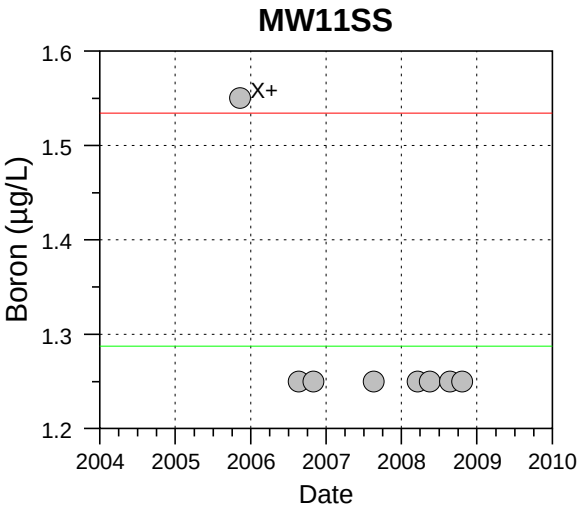

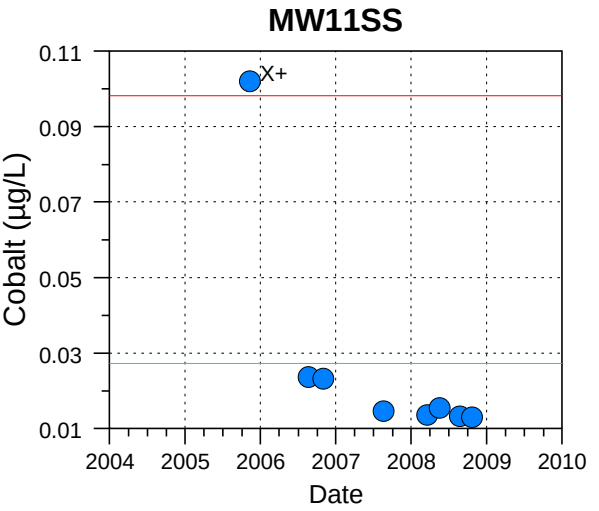

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
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- Mean
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X+ outlier, very high value

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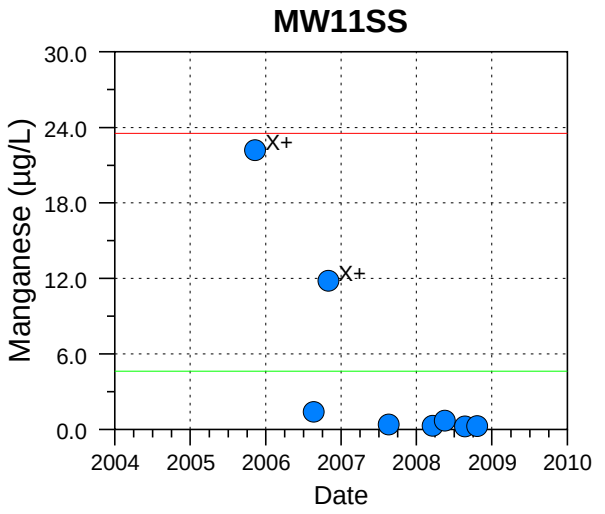

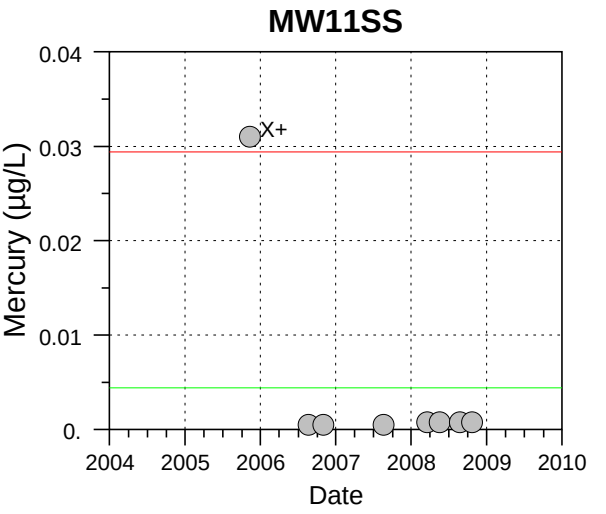

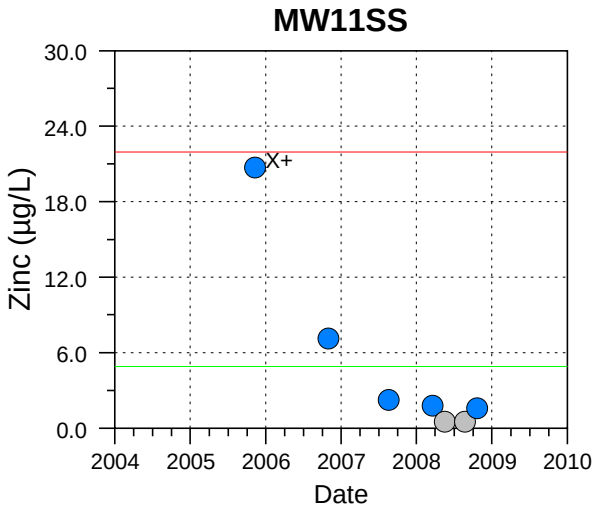

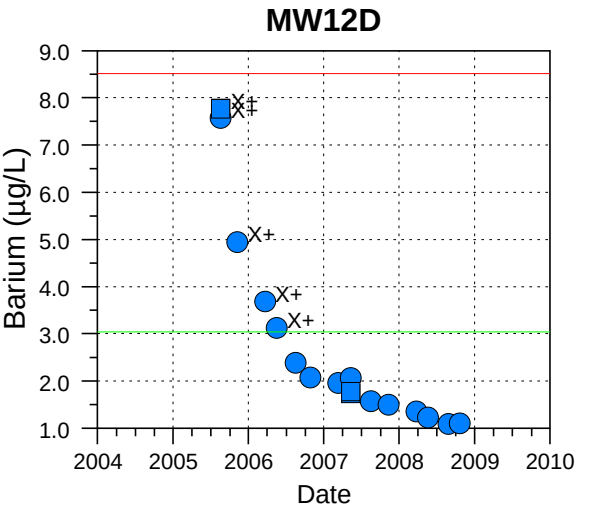

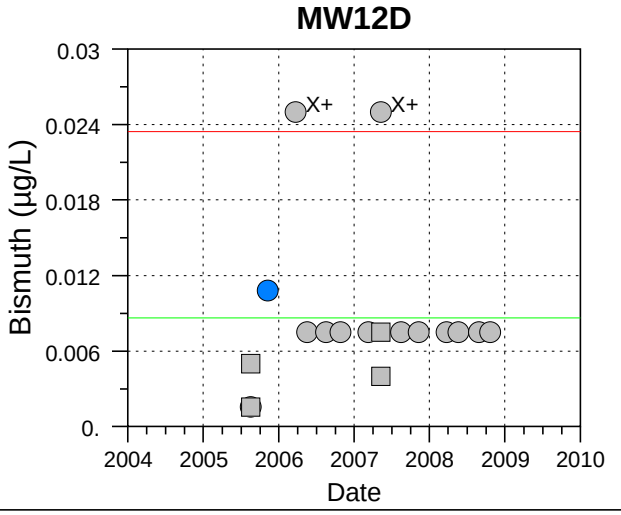

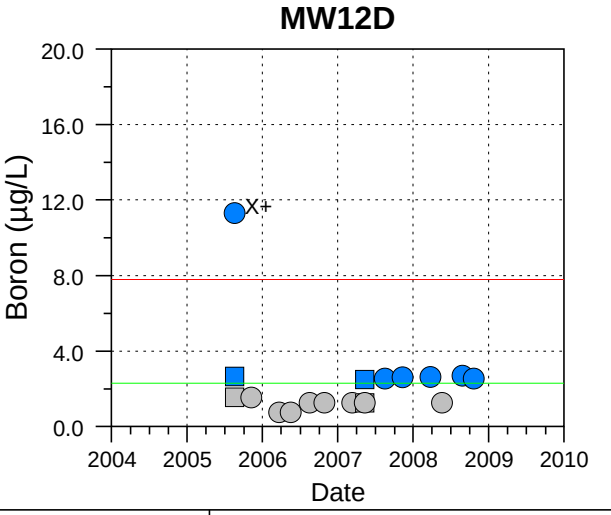

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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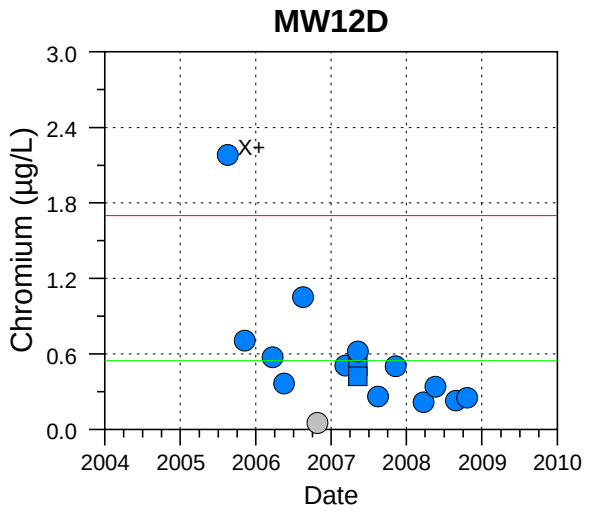
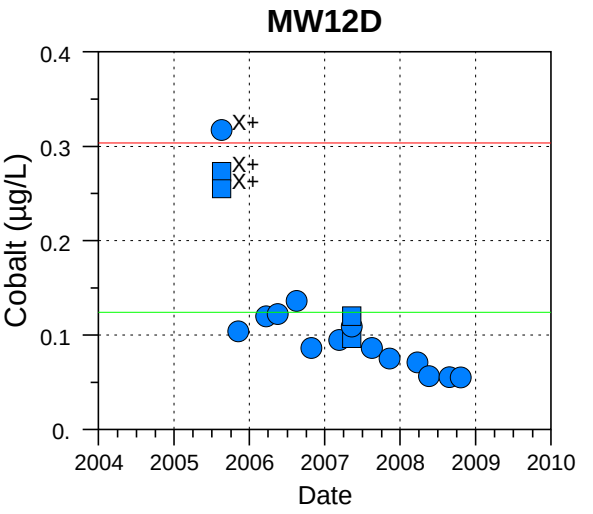
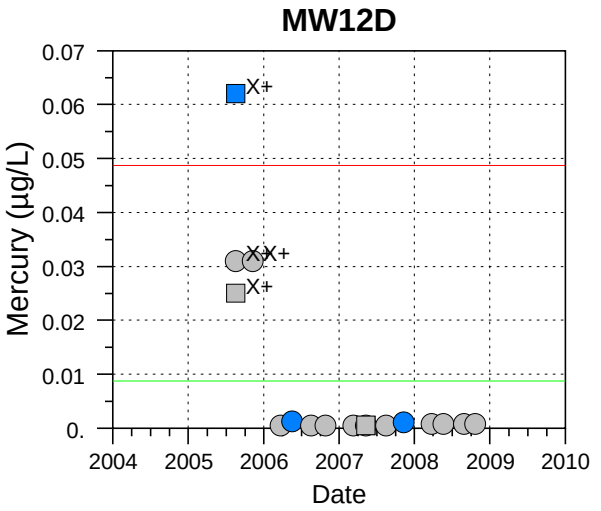
THE pebble PARTNERSHIP

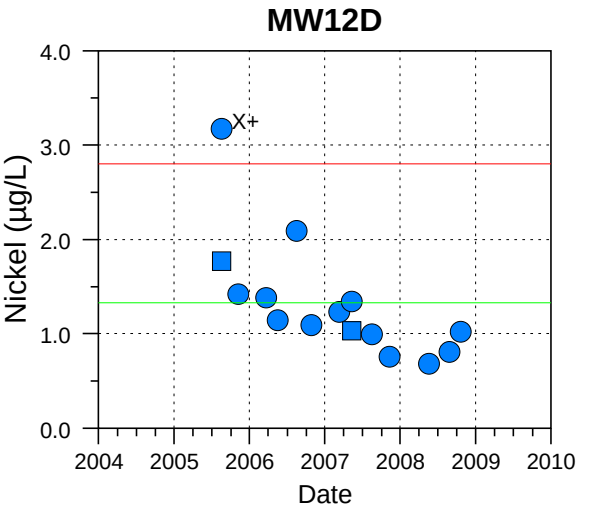
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

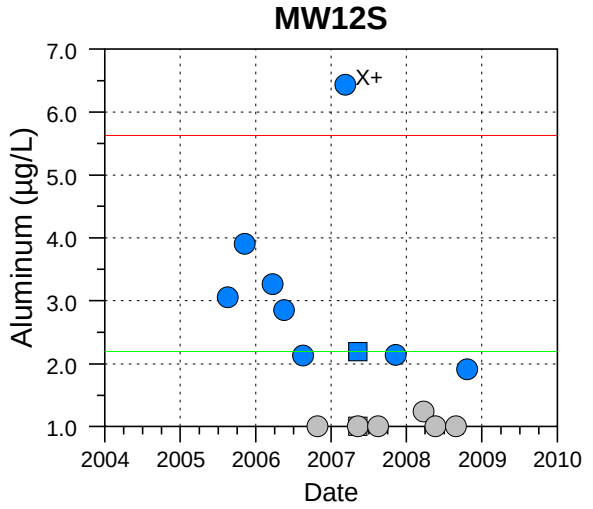
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

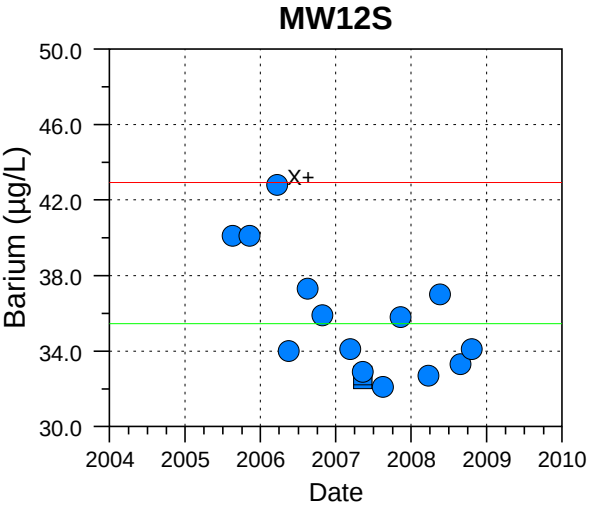












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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THE pebble PARTNERSHIP

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Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

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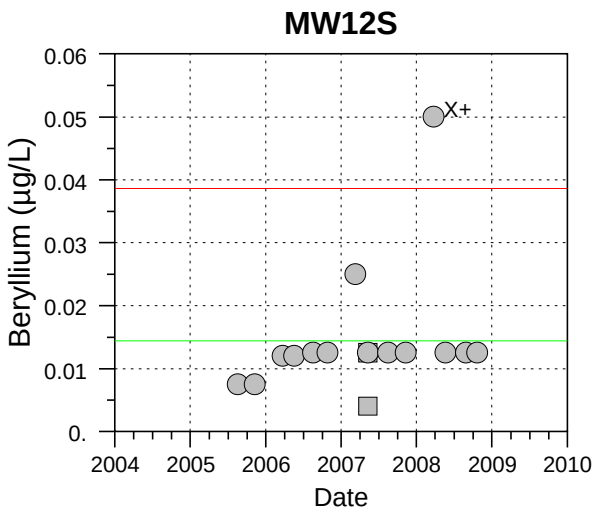
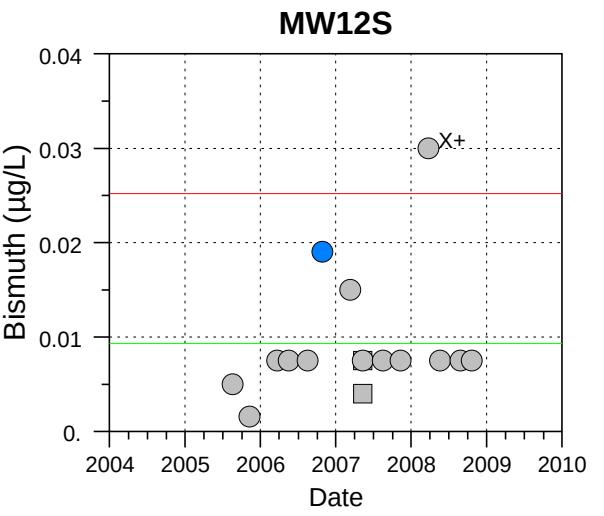
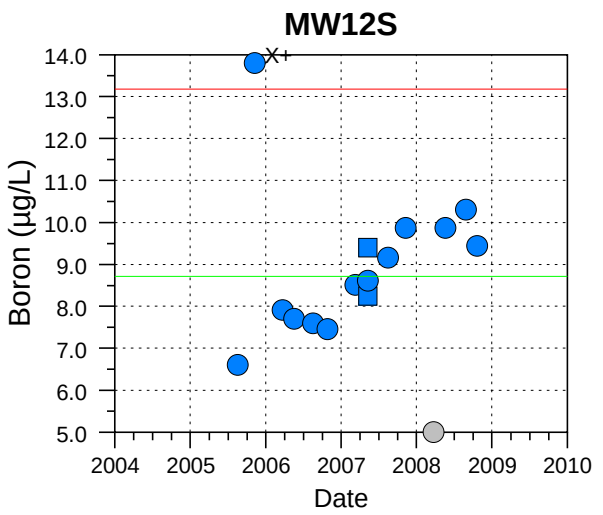
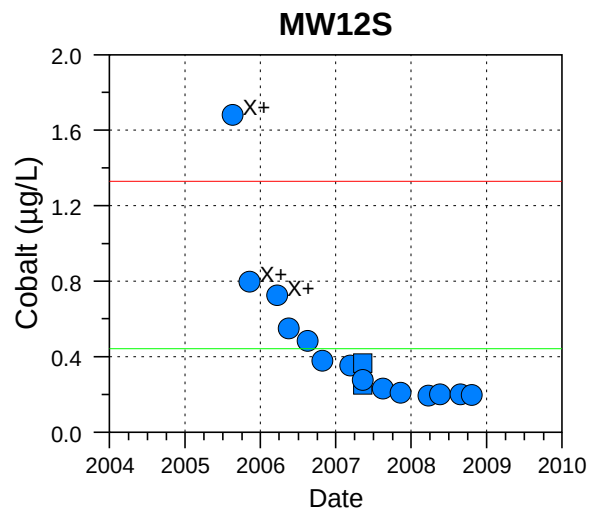
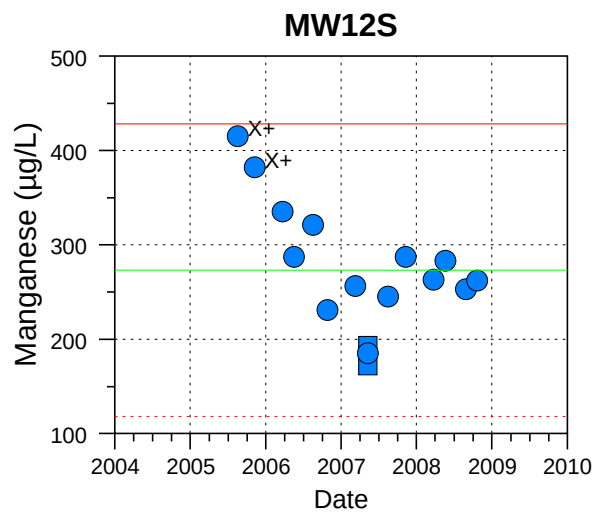
Version: 1	Author: SWS-ca

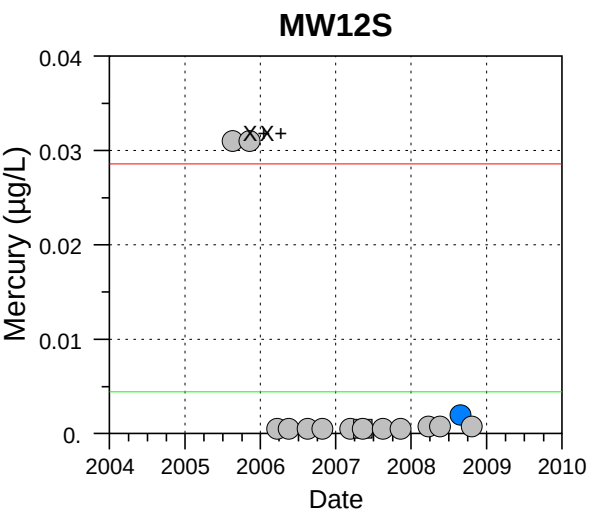












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

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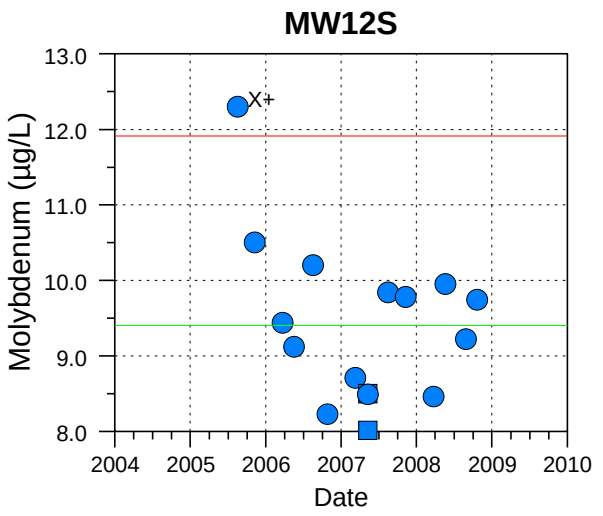
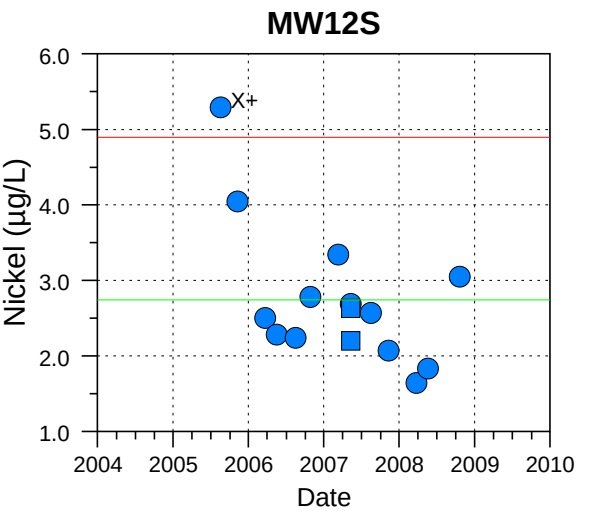
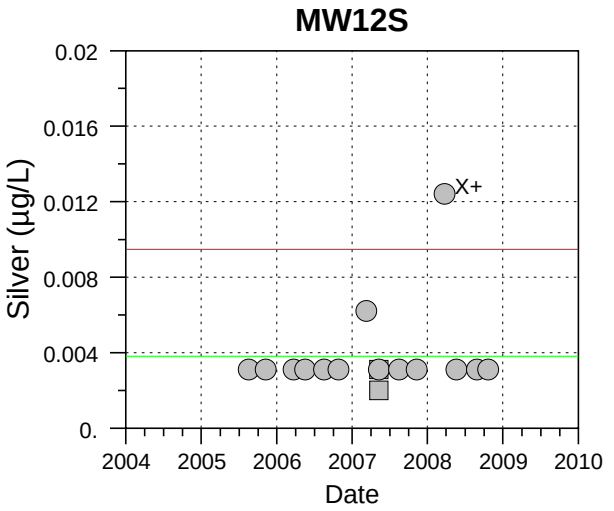
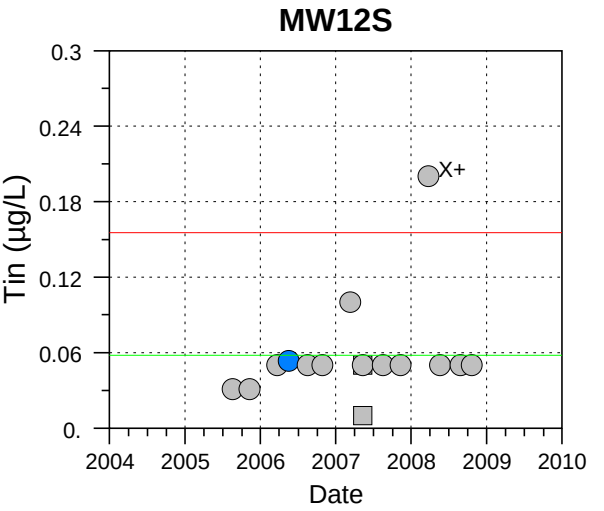
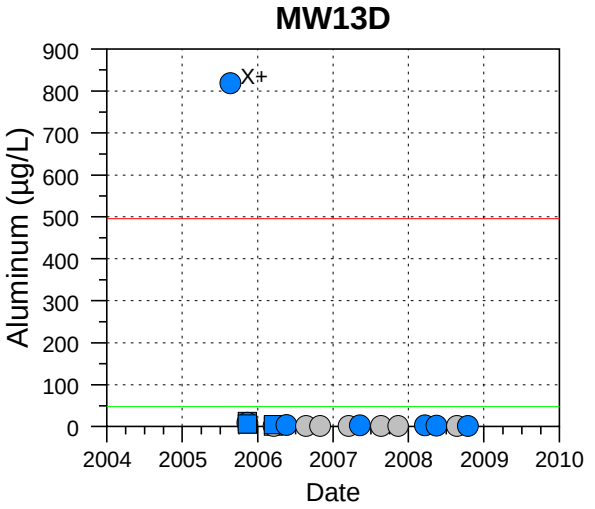
Version: 1	Author: SWS-ca

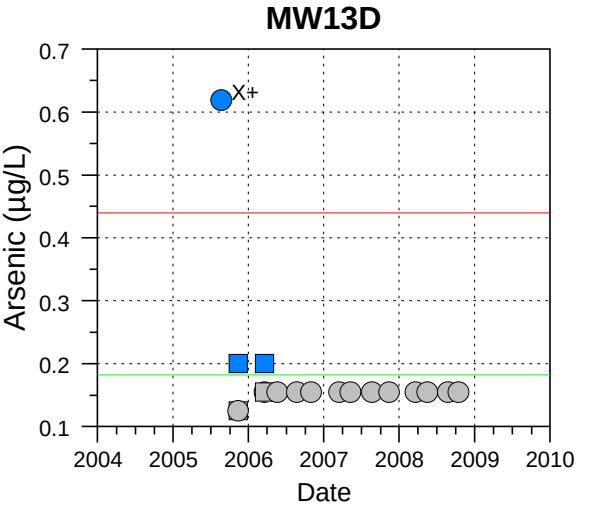












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

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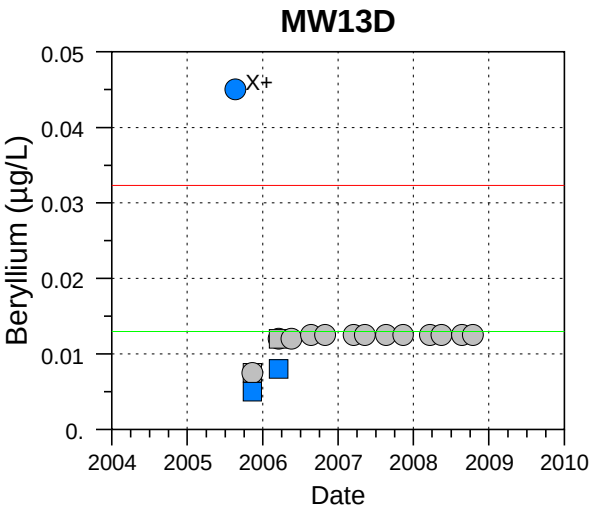

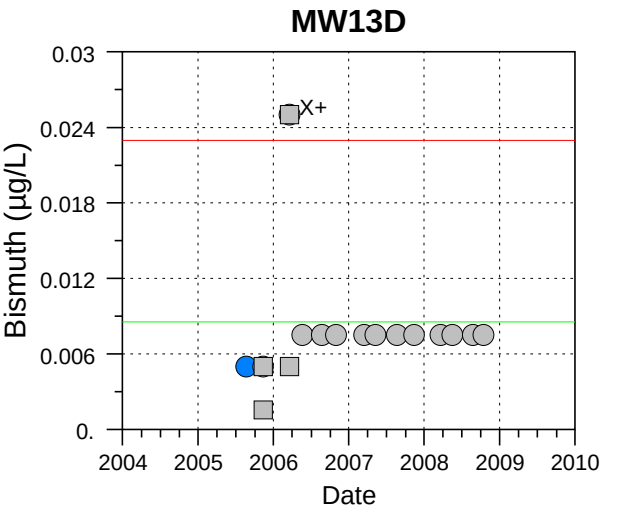

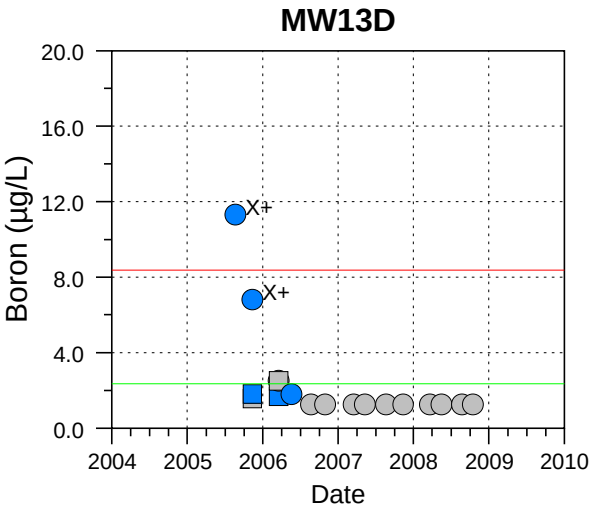

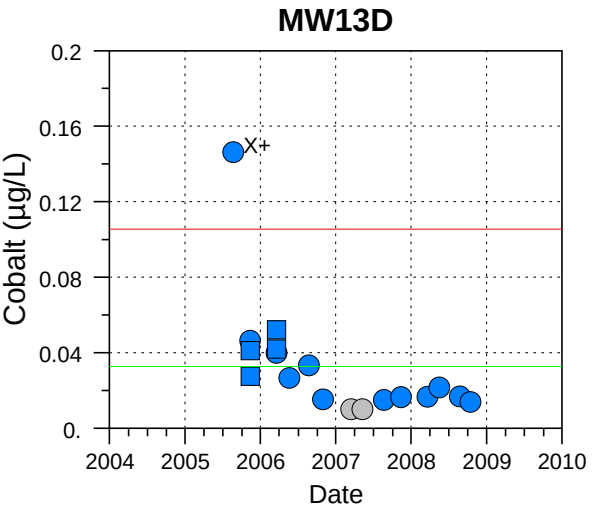

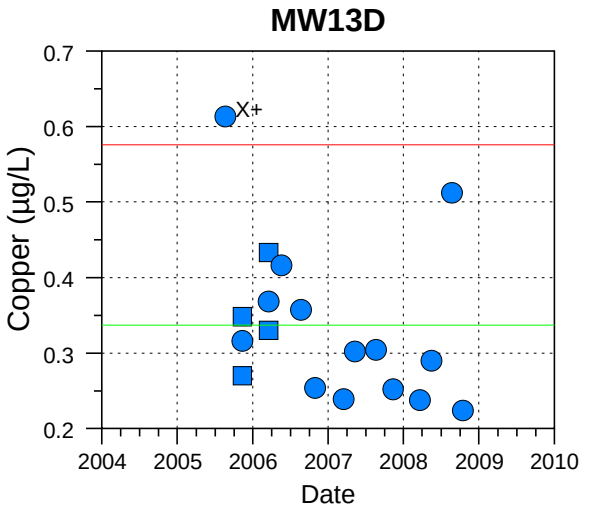

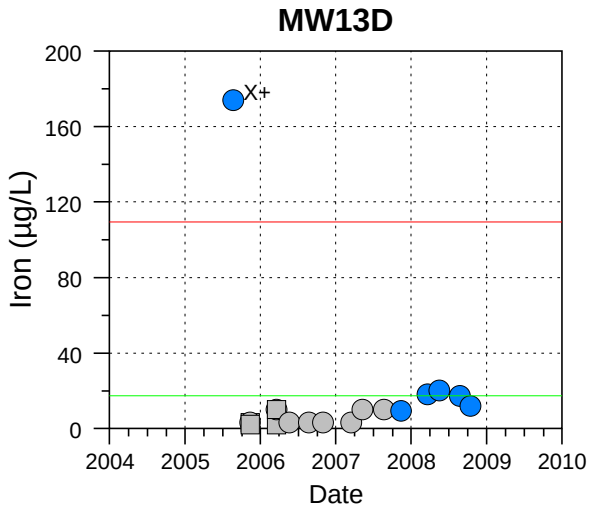

Legend

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- Quality Control Sample Result
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- Mean
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X+ outlier, very high value

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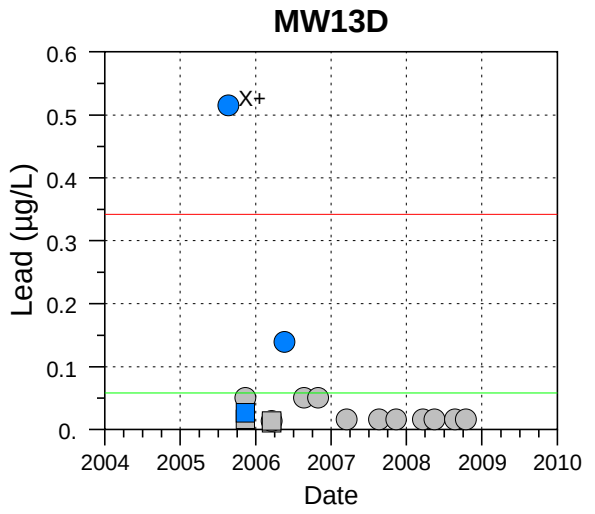

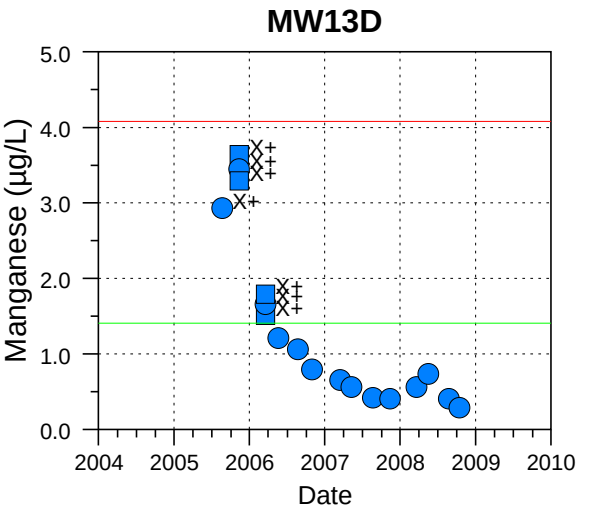

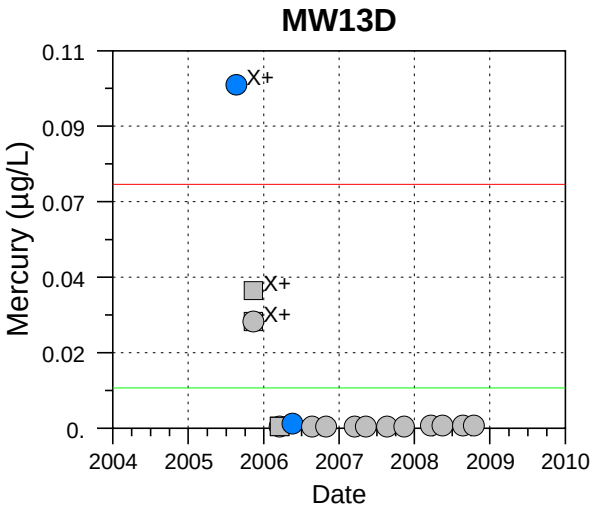

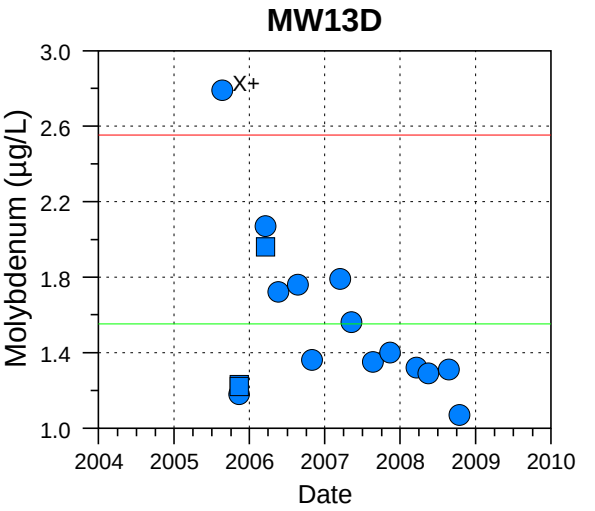

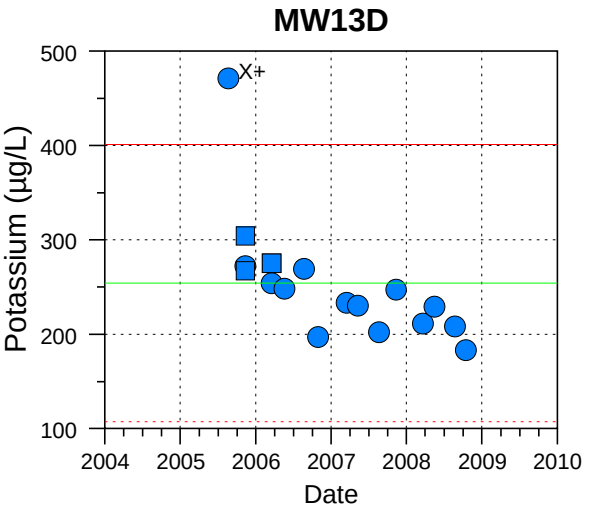

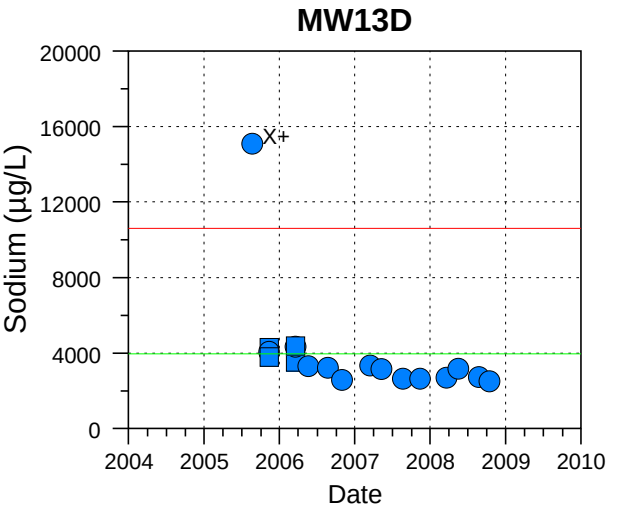

Legend

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- Quality Control Sample Result
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- Mean
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THE pebble PARTNERSHIP

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Dissolved Concentrations

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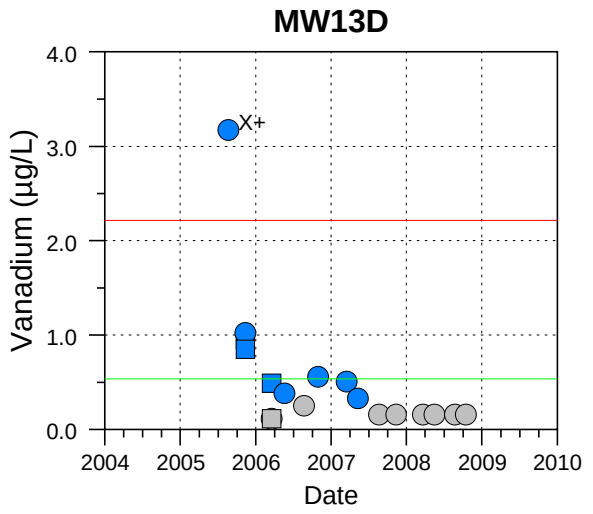

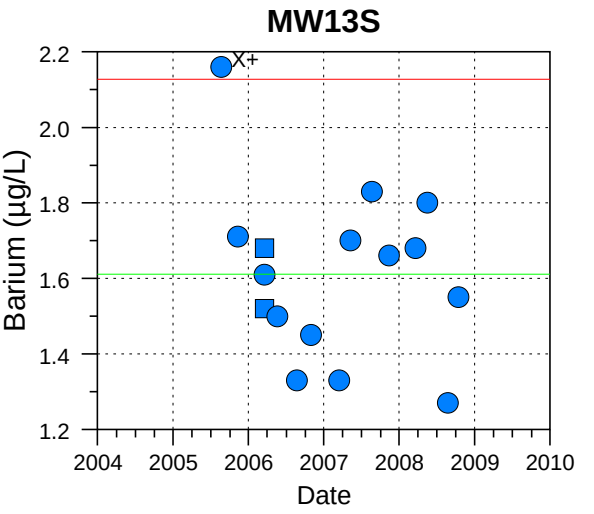

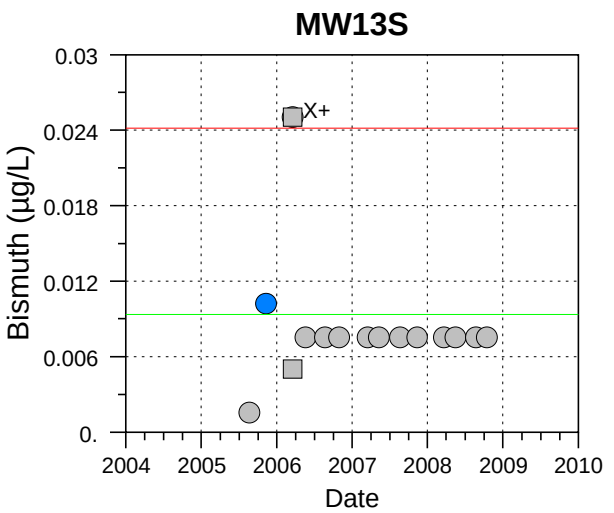

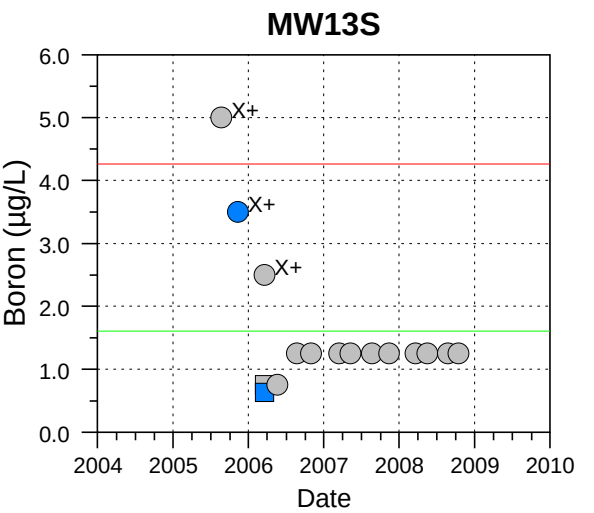

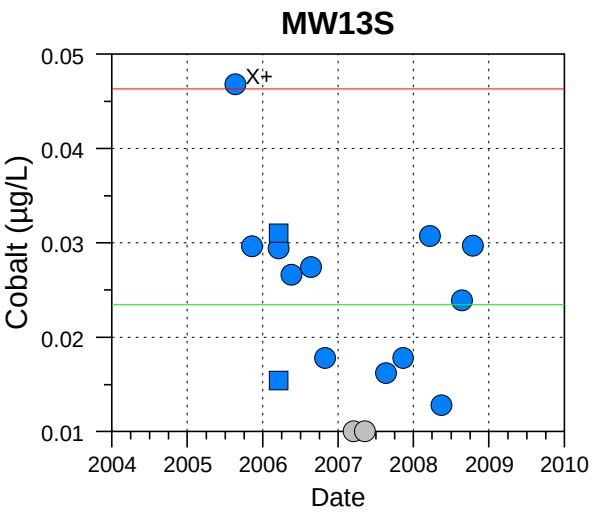

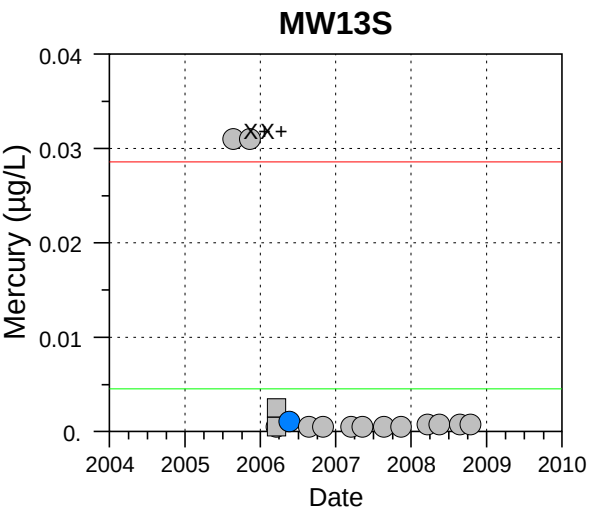

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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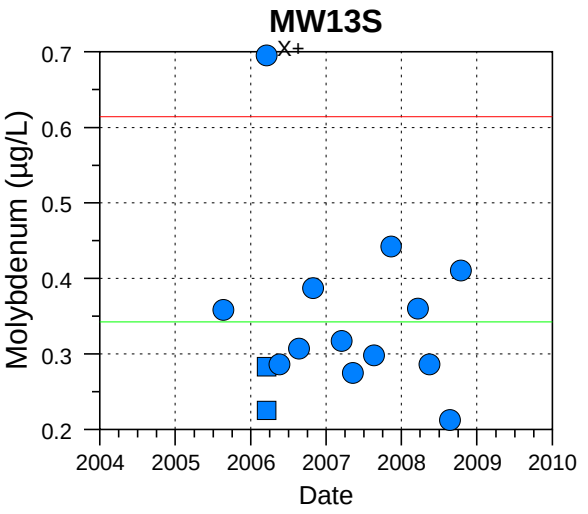

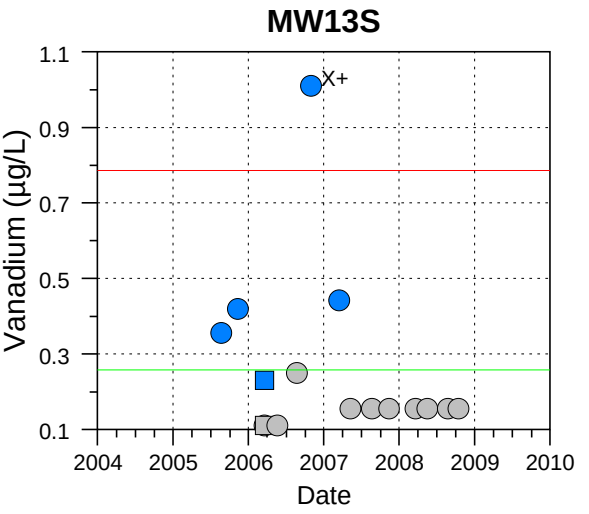

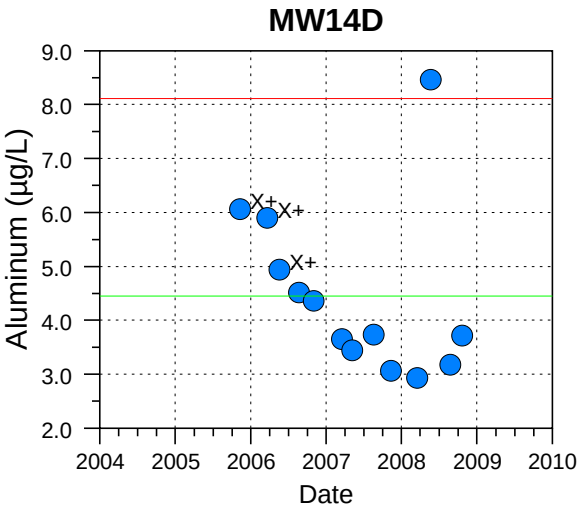

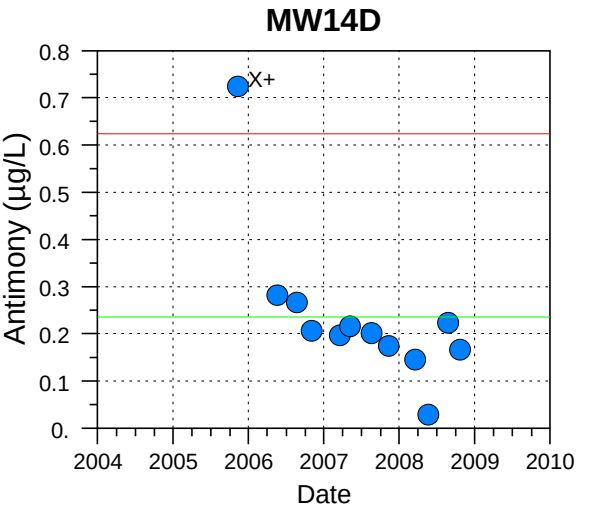

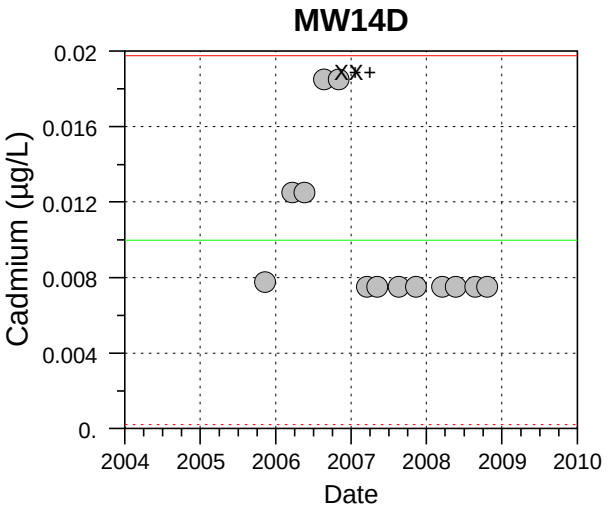

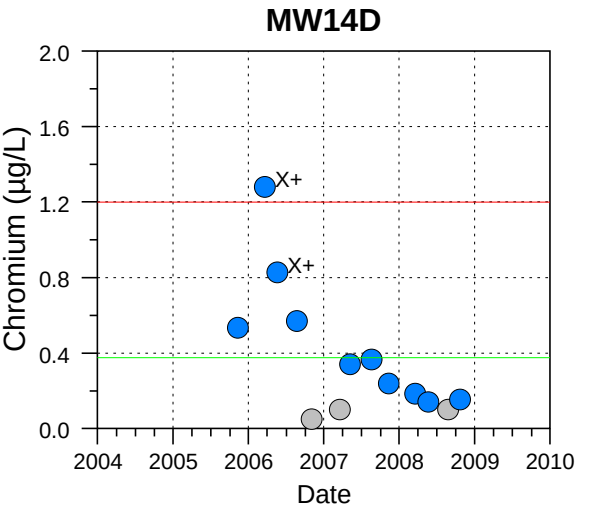

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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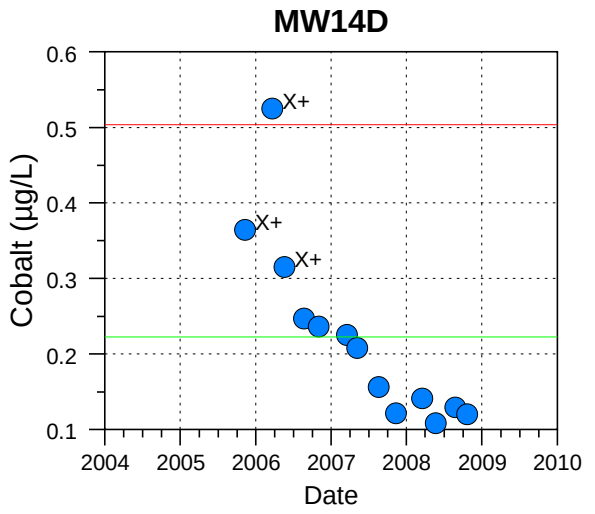

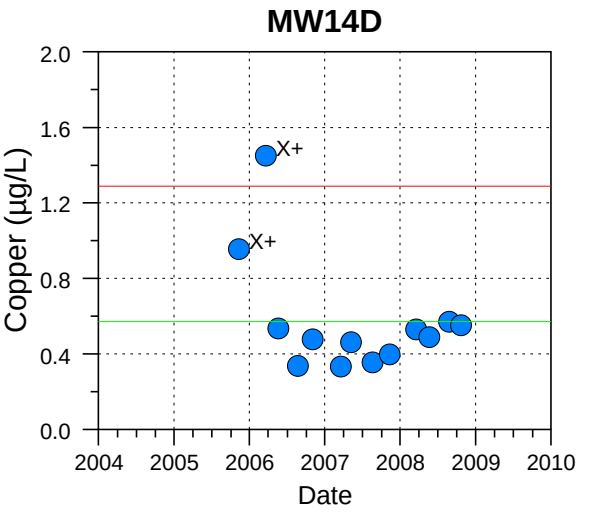

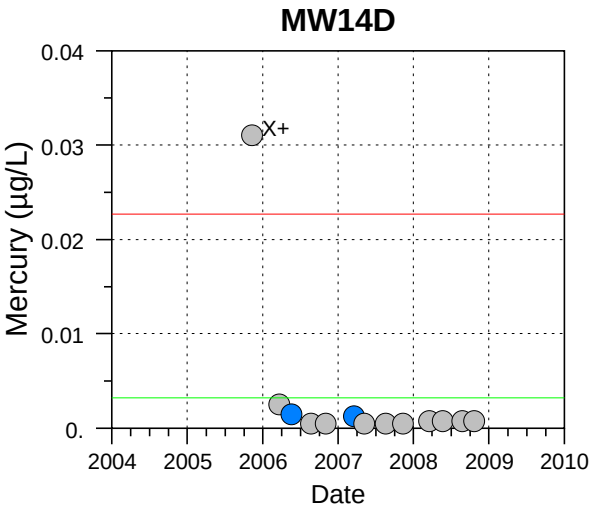

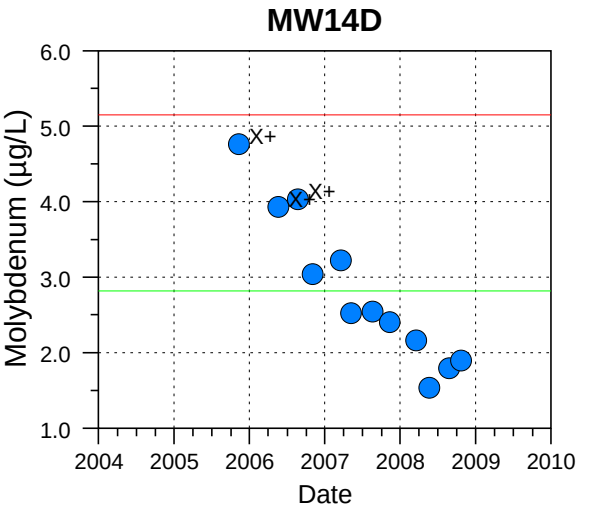

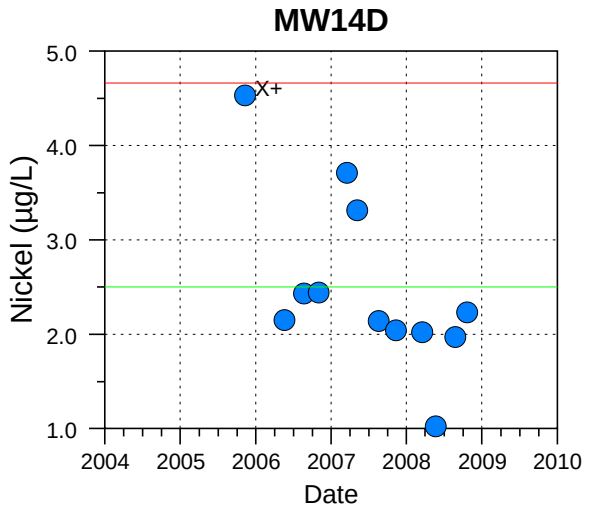

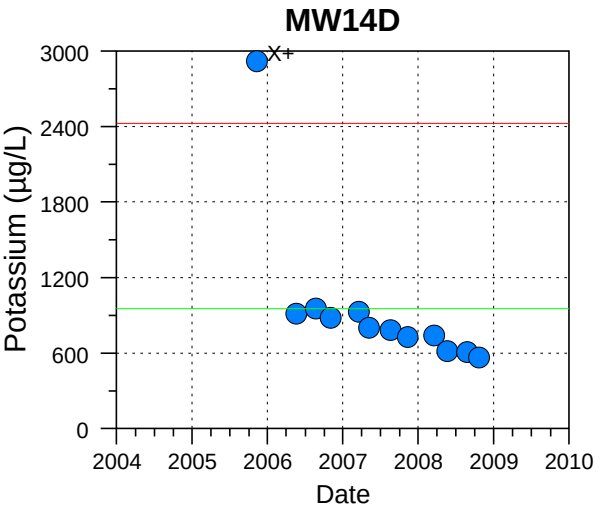

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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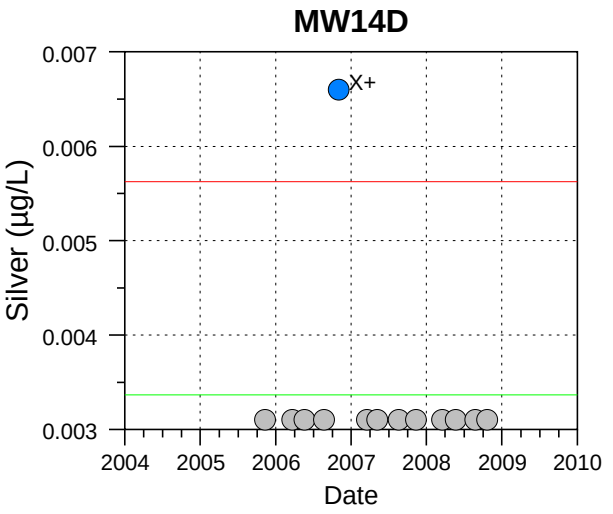
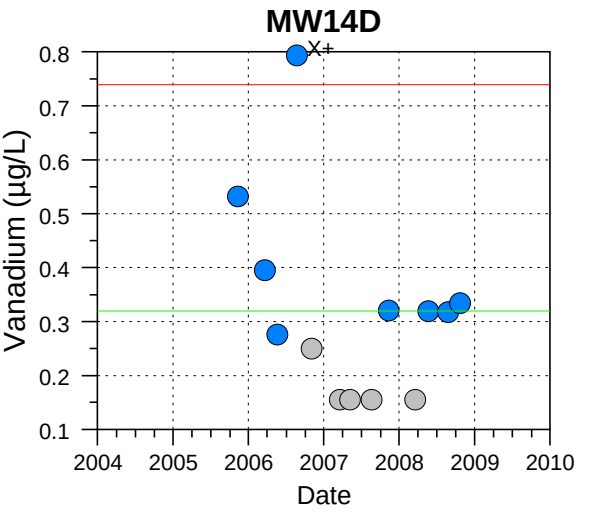
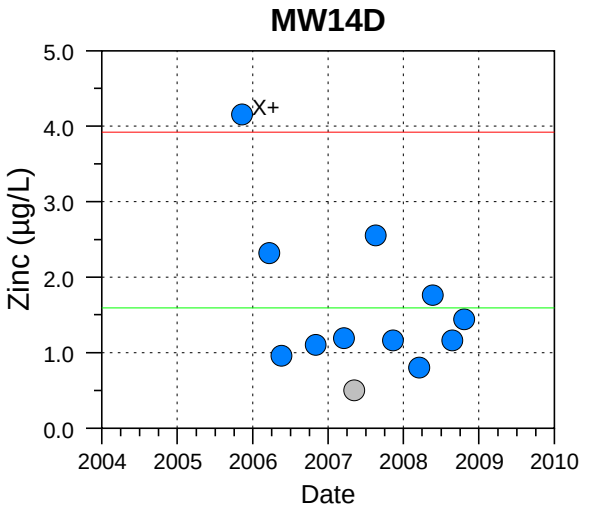
THE pebble PARTNERSHIP

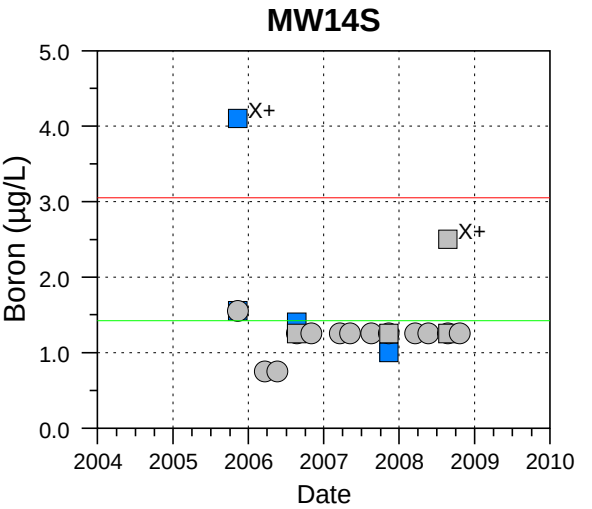
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

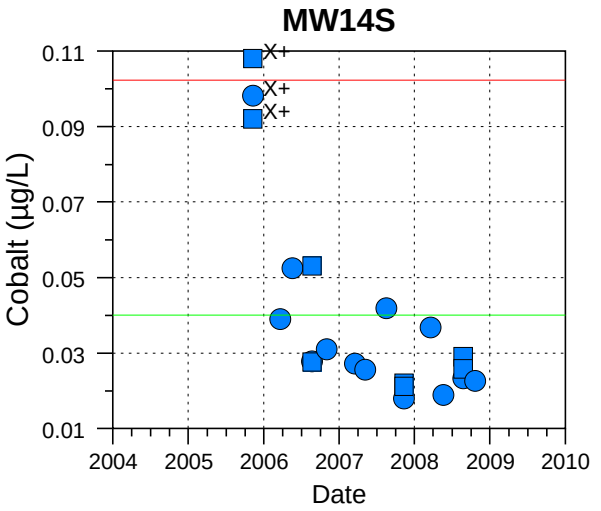
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

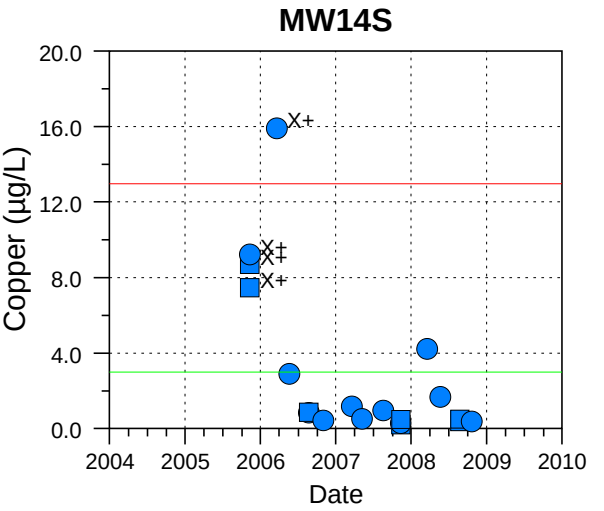












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
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Dissolved Concentrations

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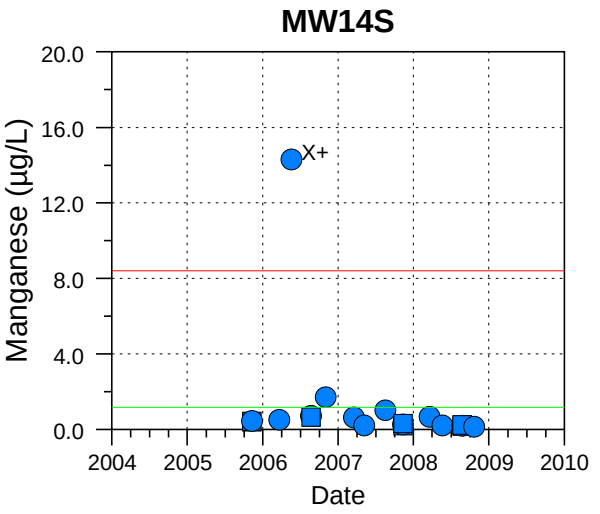
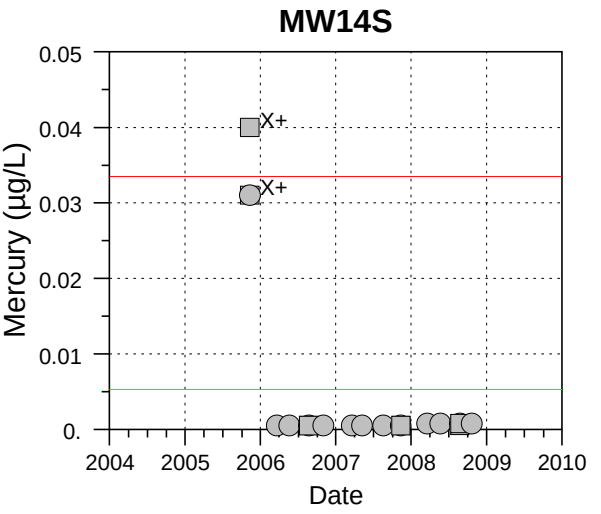
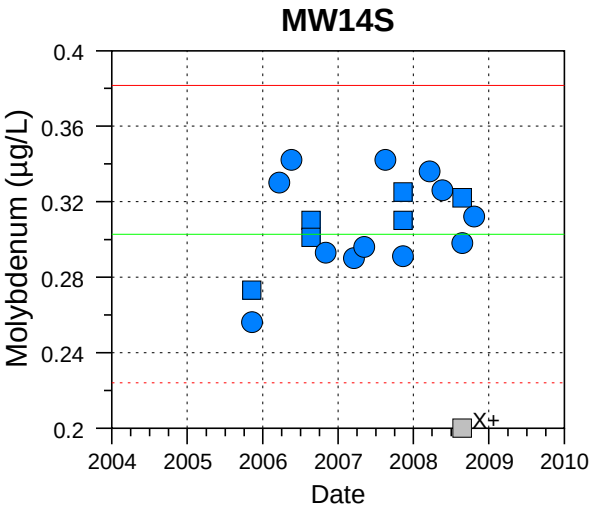
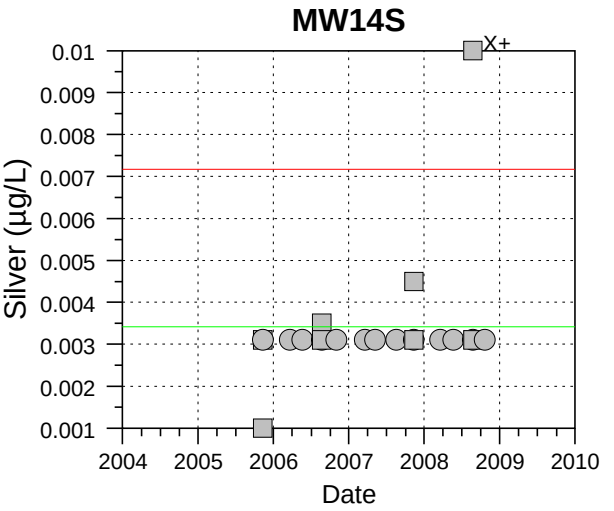
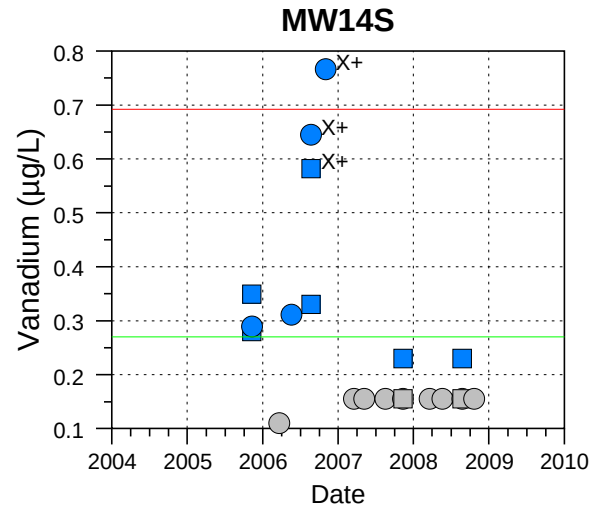
Version: 1	Author: SWS-ca

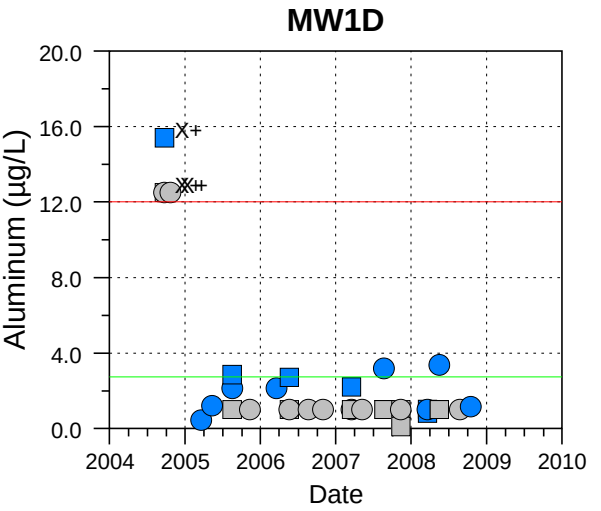












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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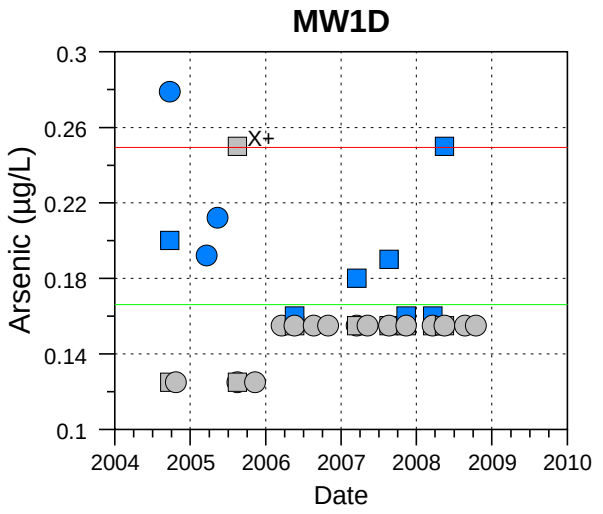
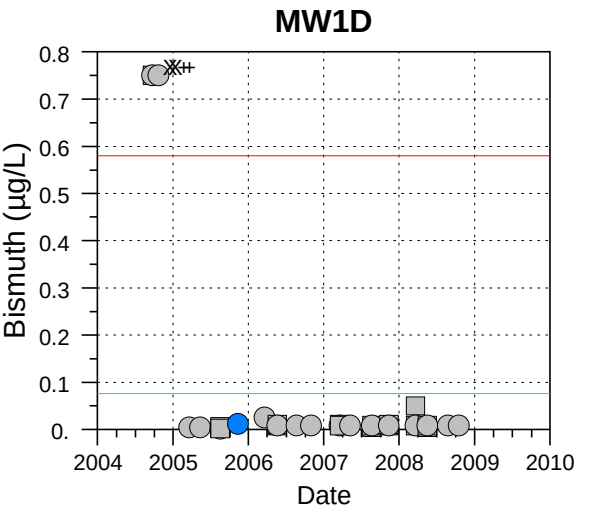
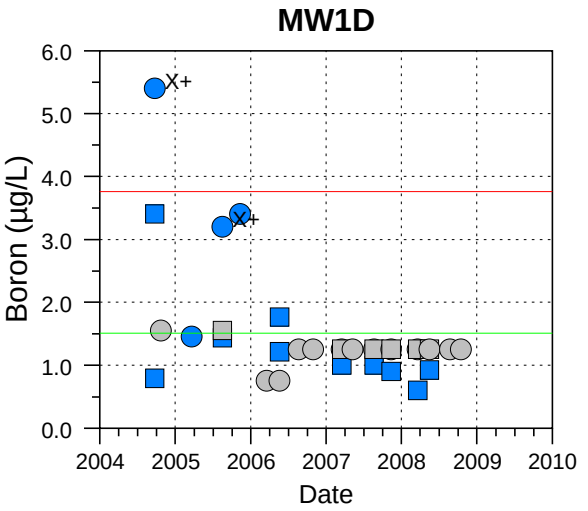
THE pebble PARTNERSHIP

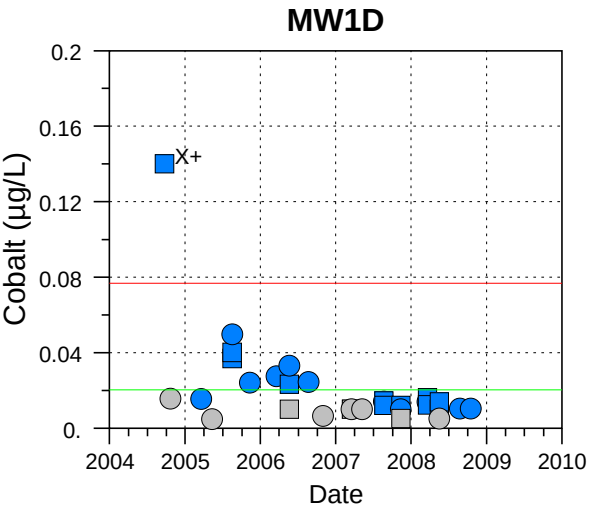
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

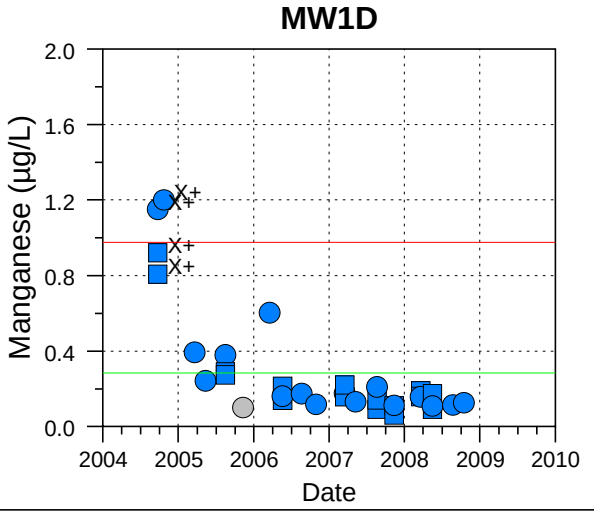
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

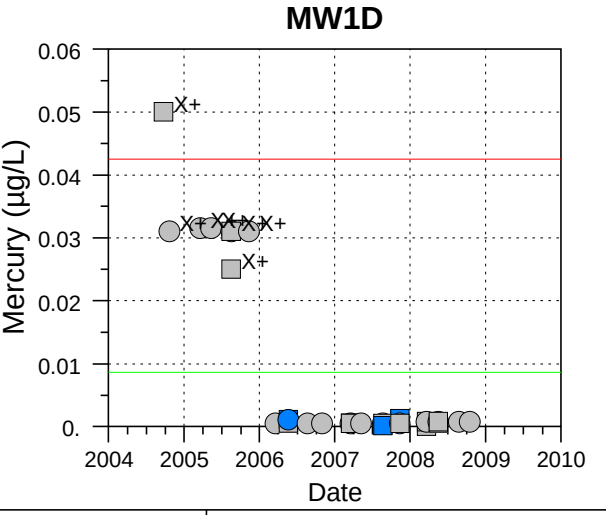












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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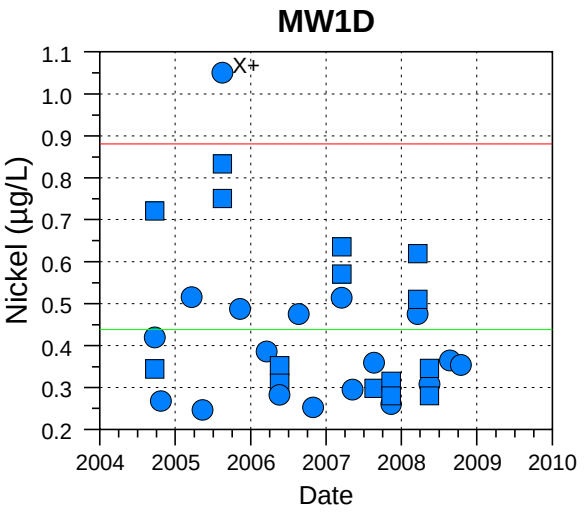
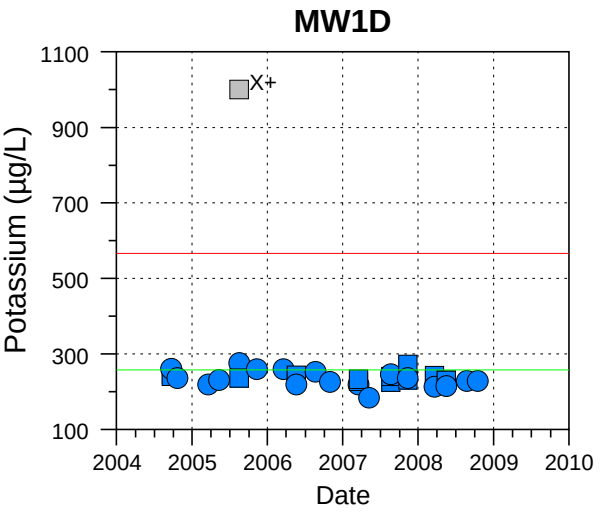
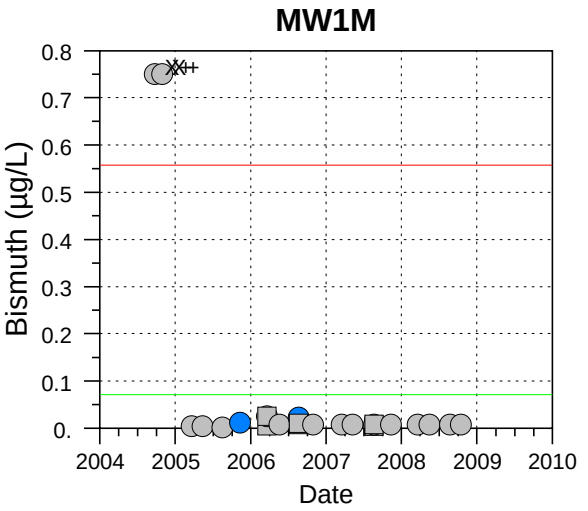
THE pebble PARTNERSHIP

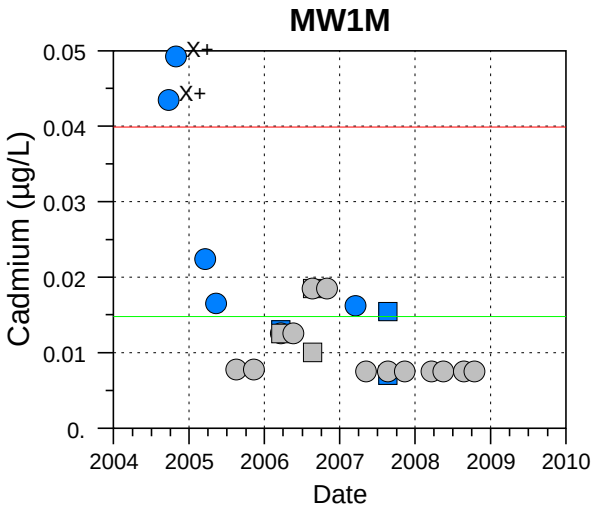
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

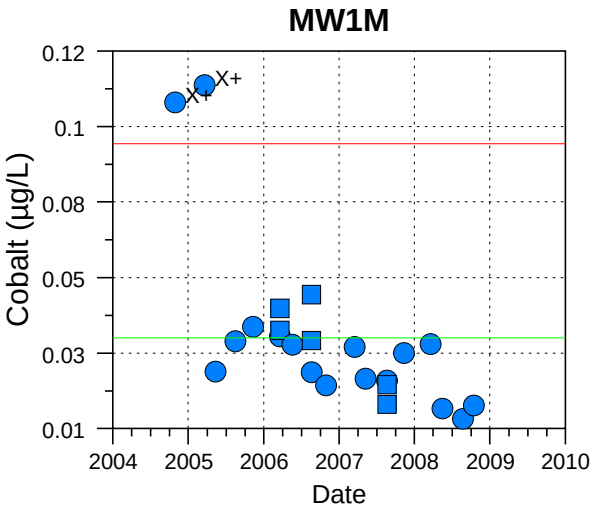
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

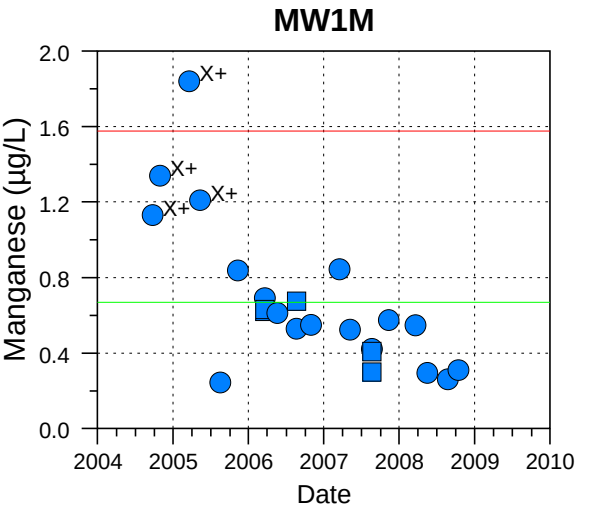












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
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Dissolved Concentrations

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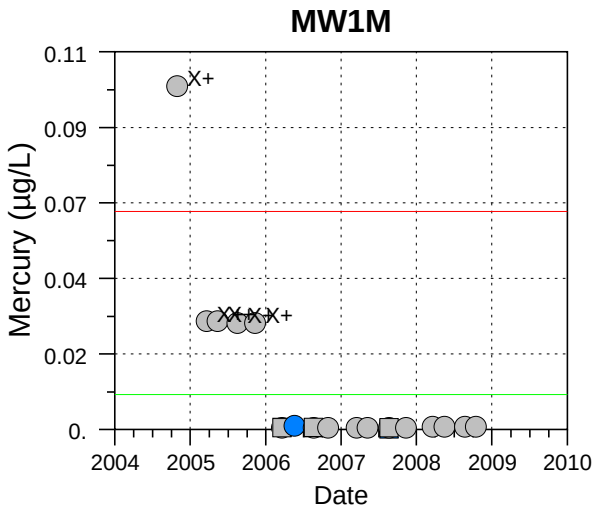

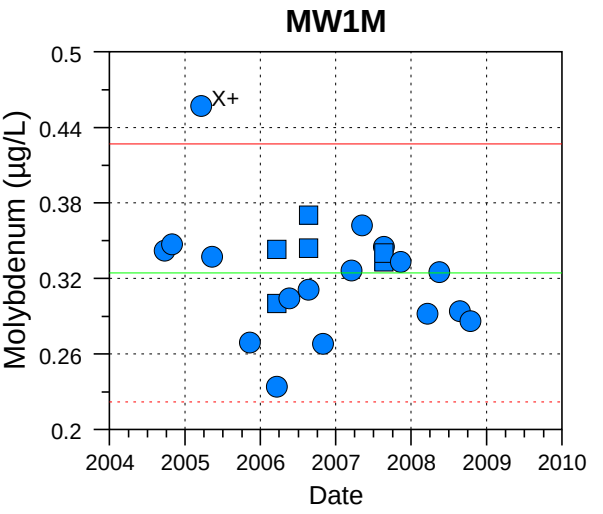

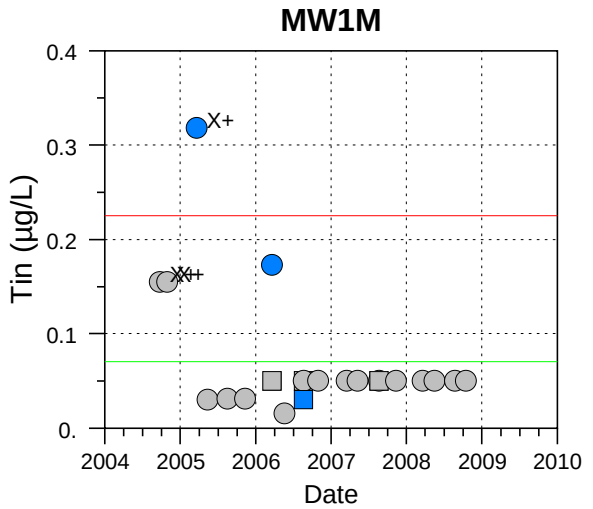

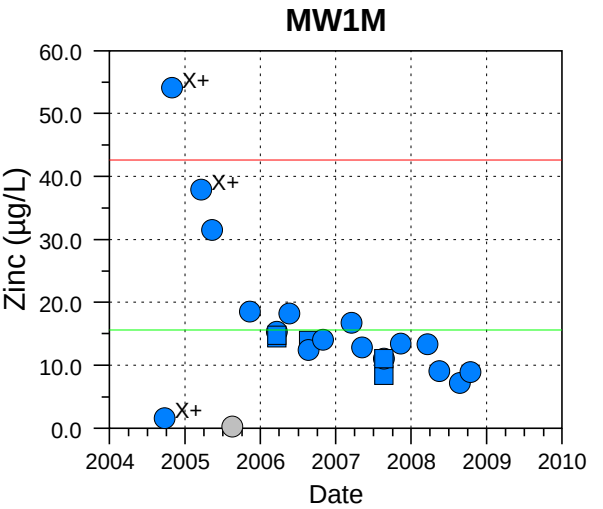

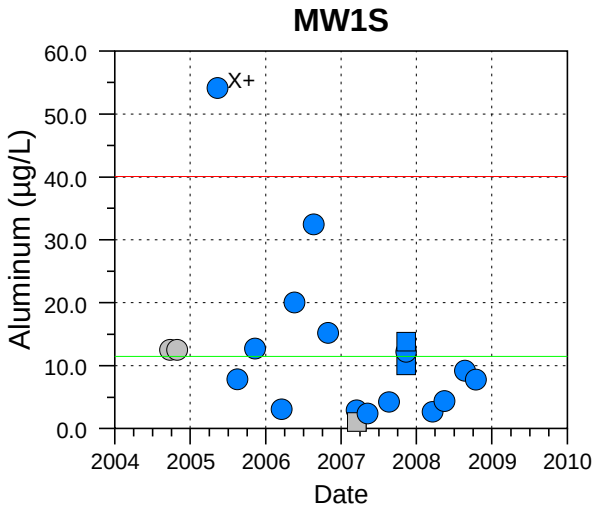

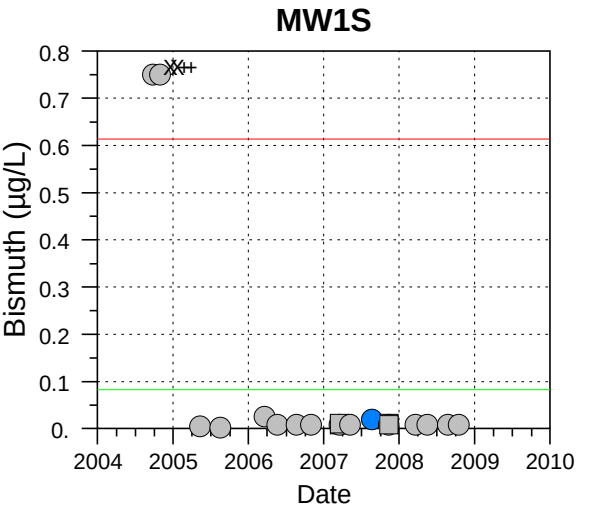

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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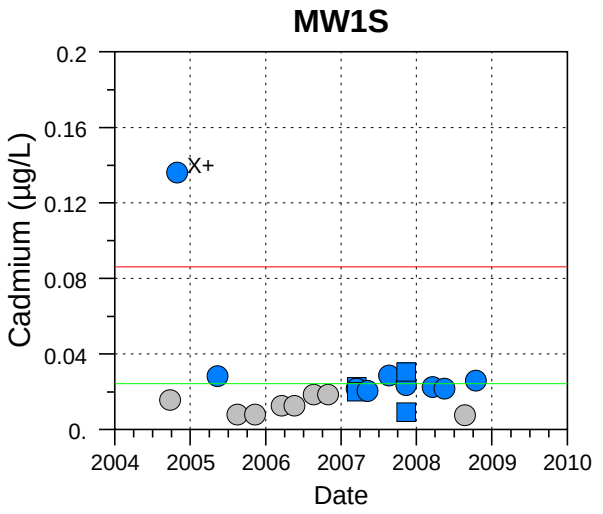

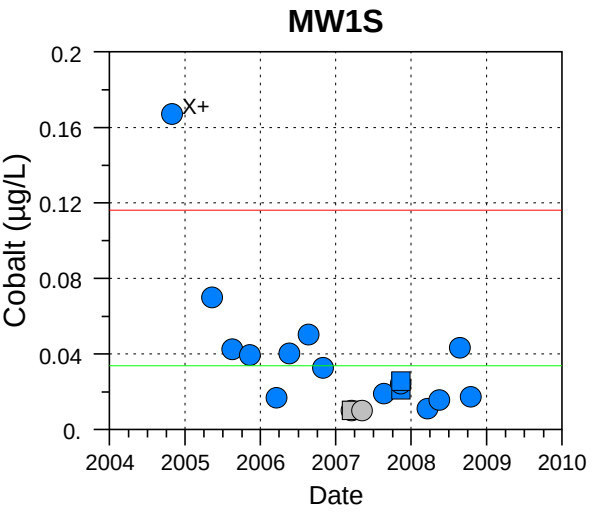

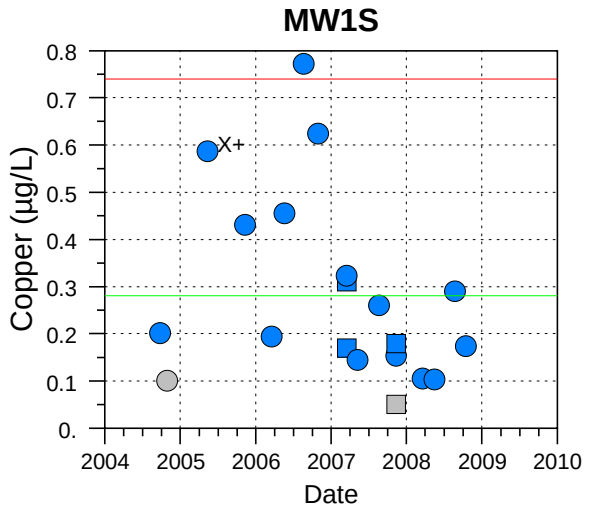

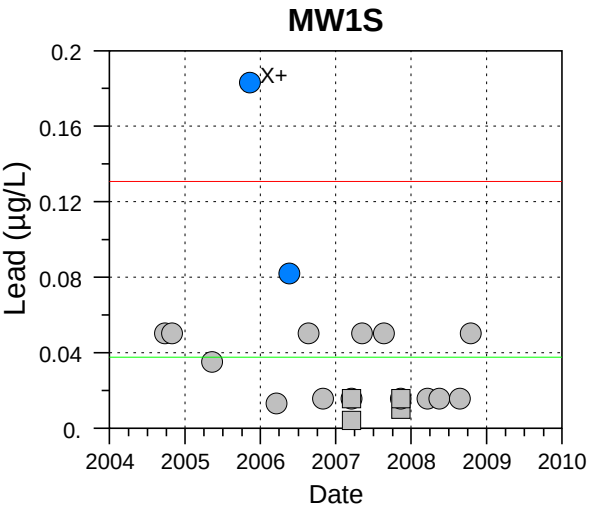

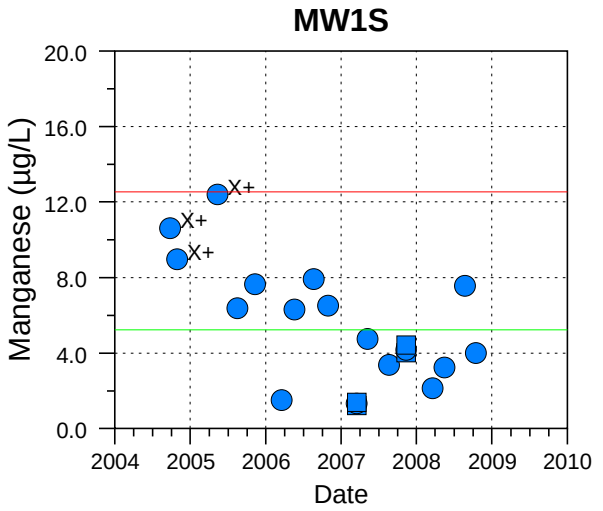

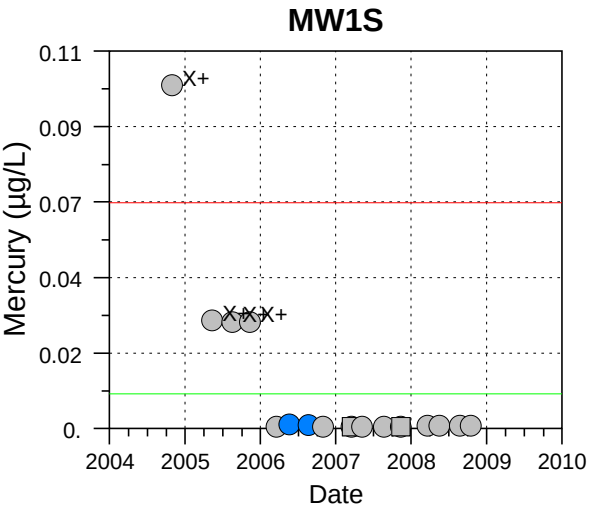

Legend

- Analytical Result
- Quality Control Sample Result
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- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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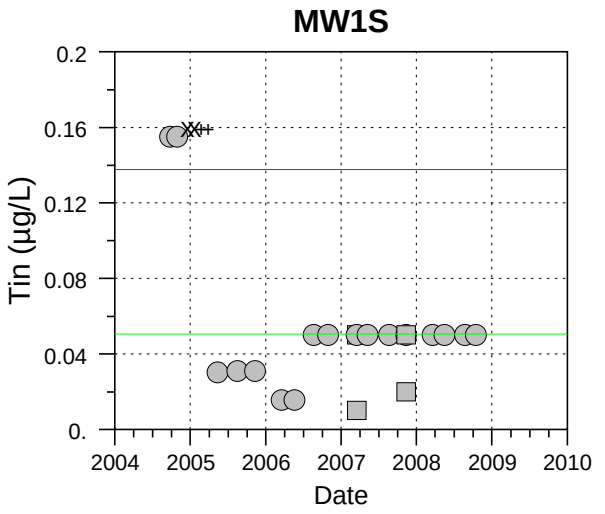

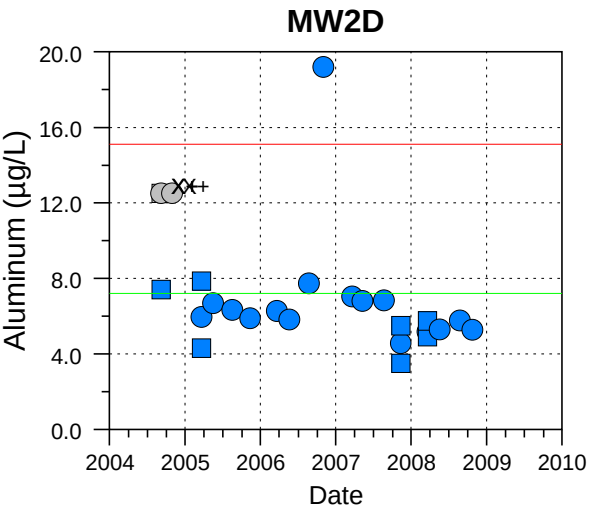

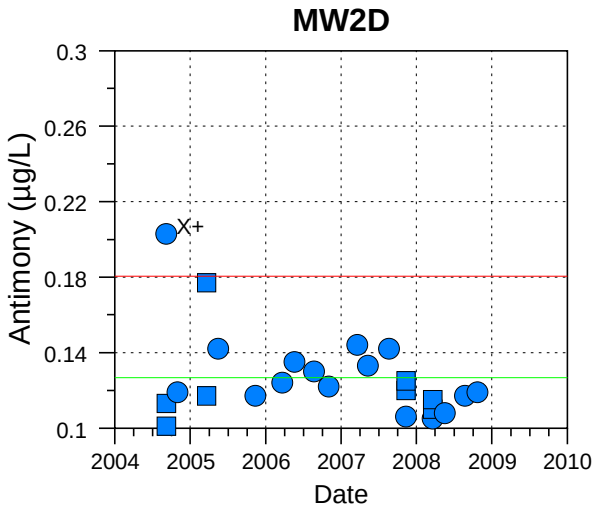

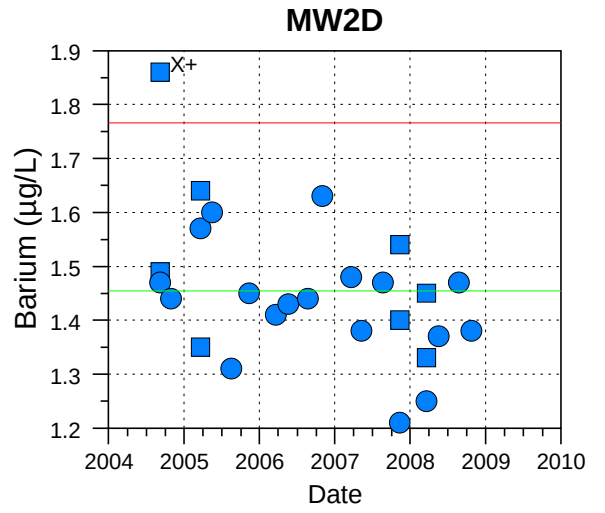

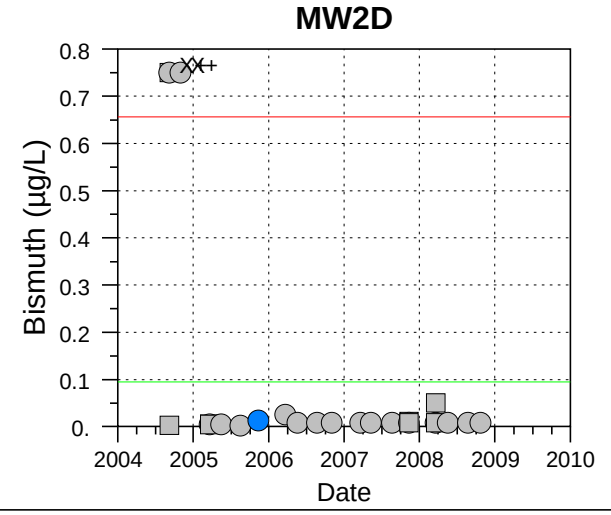

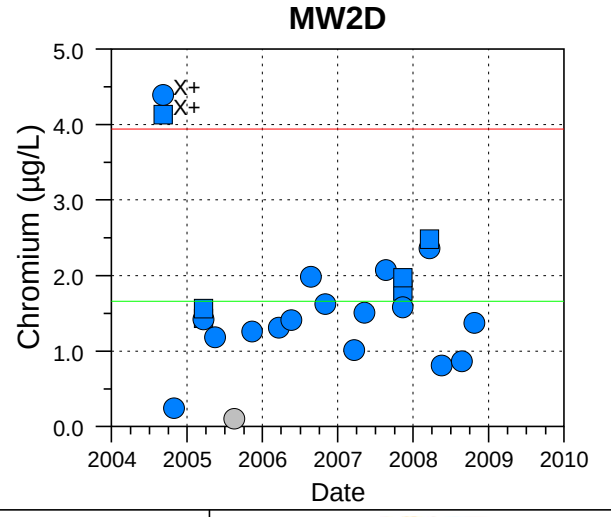

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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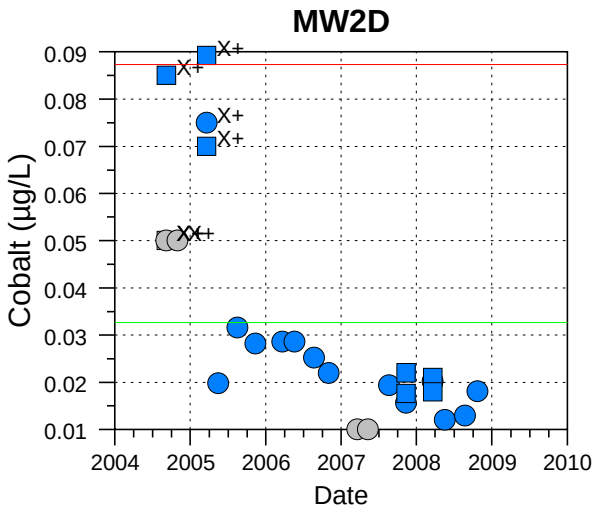
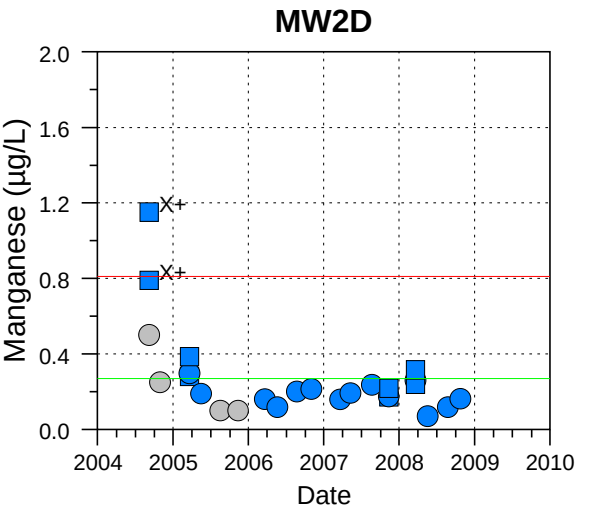
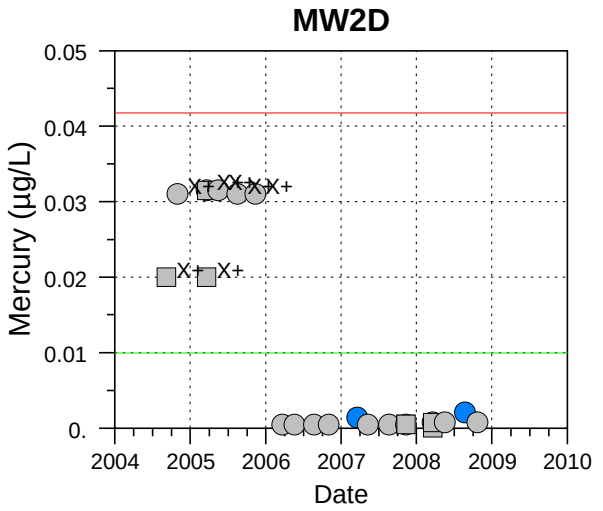
THE pebble PARTNERSHIP

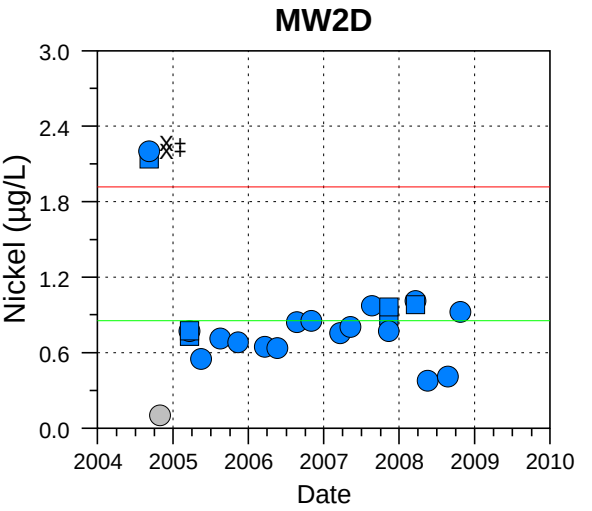
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

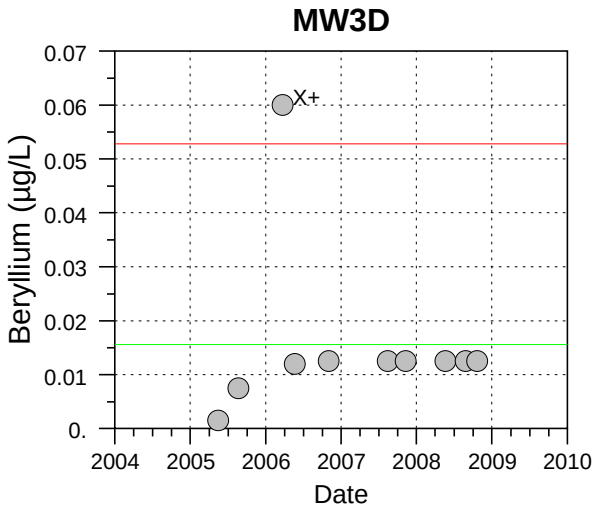
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

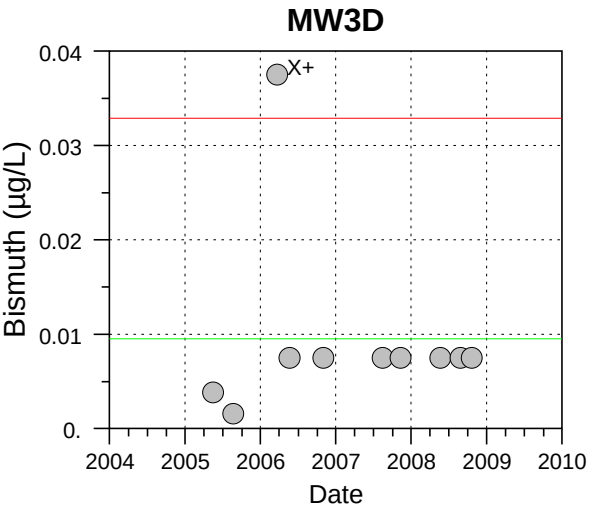












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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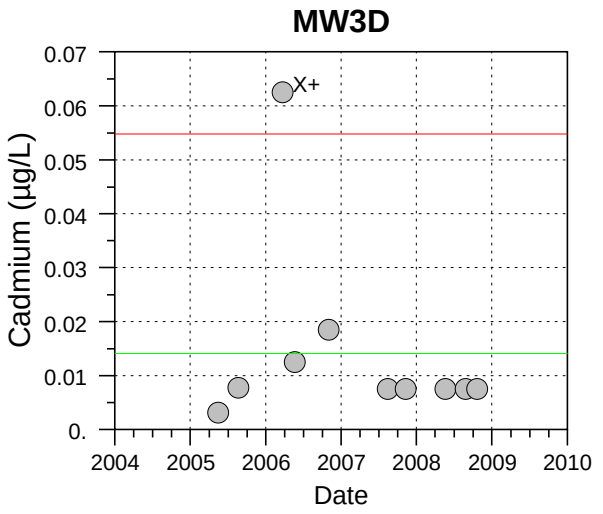
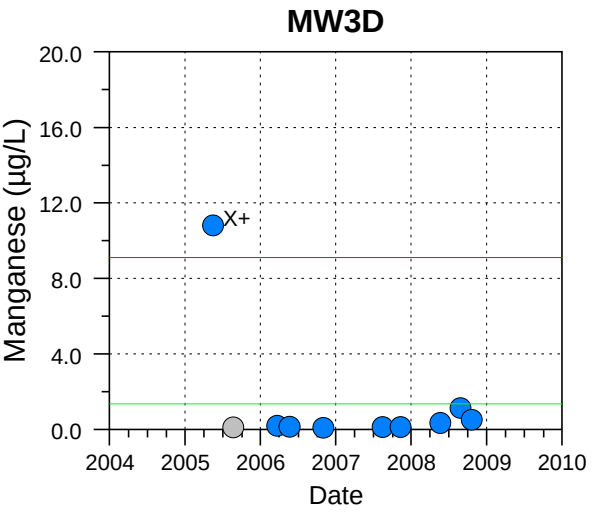
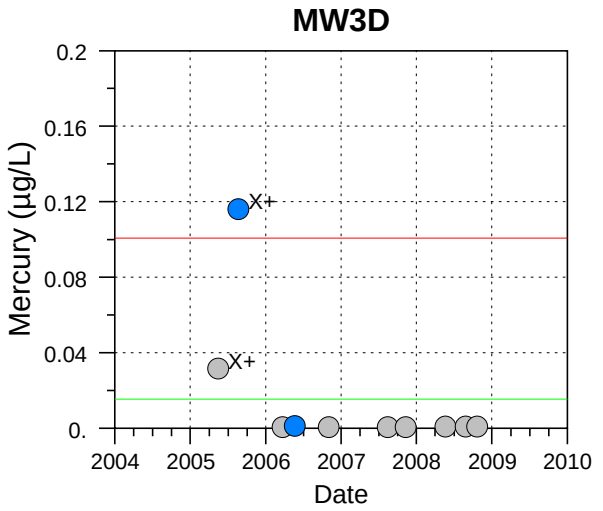
THE pebble PARTNERSHIP

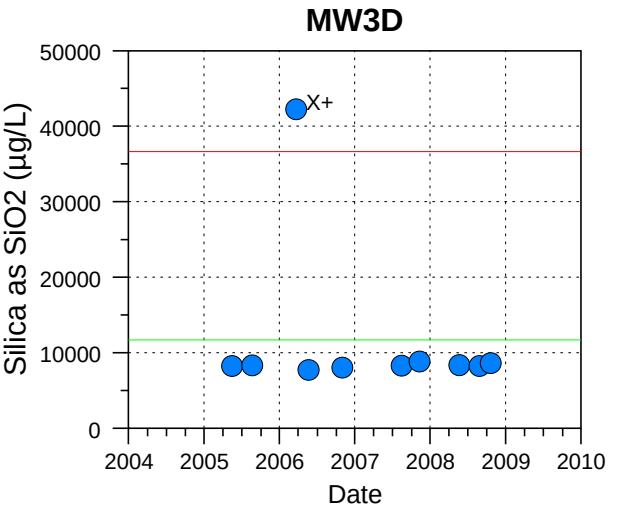
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

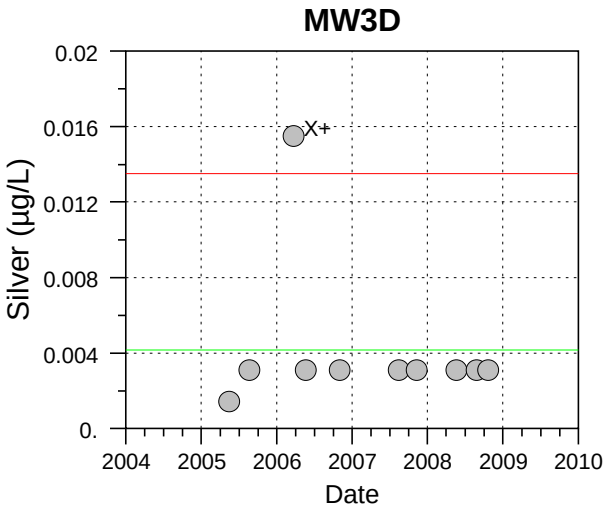
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

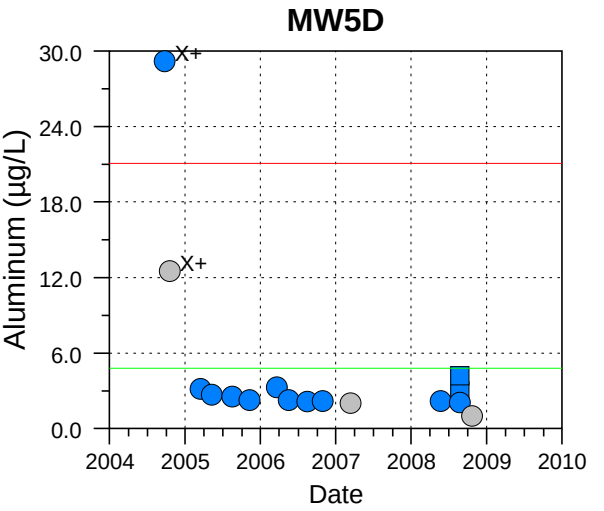












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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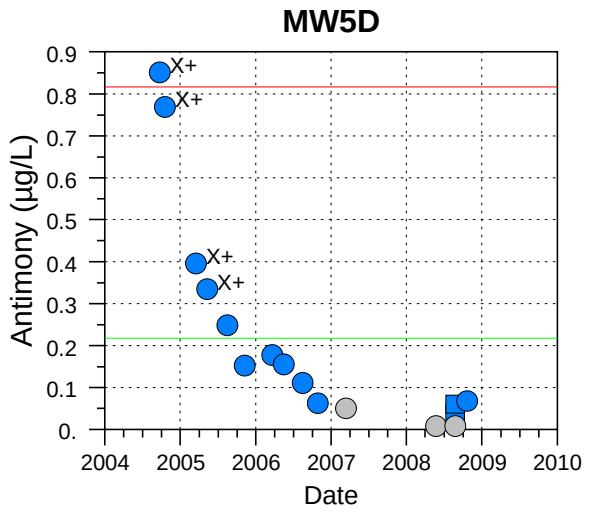
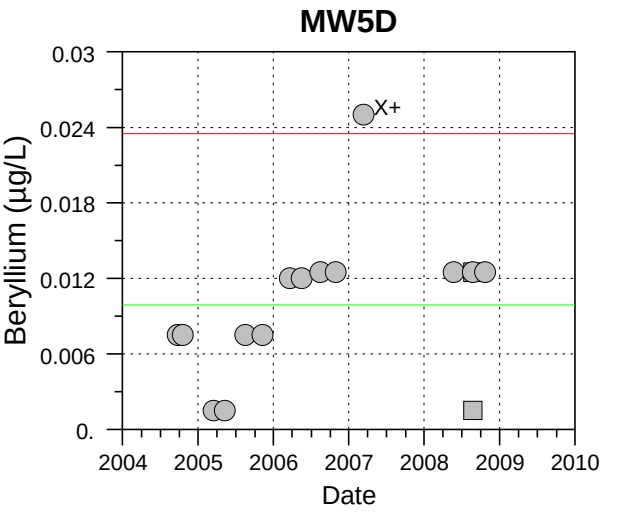
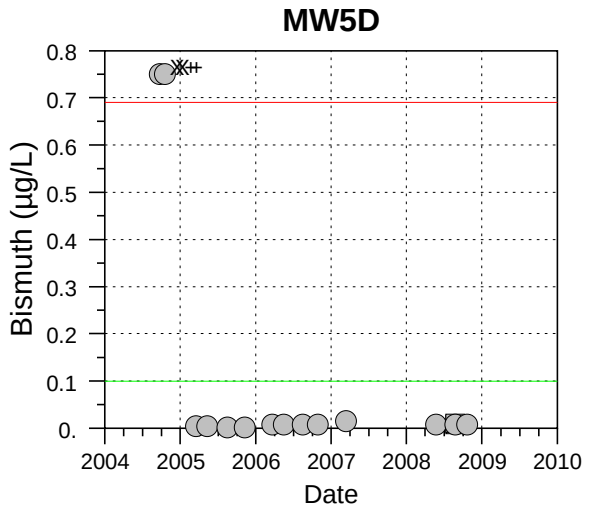
THE pebble PARTNERSHIP

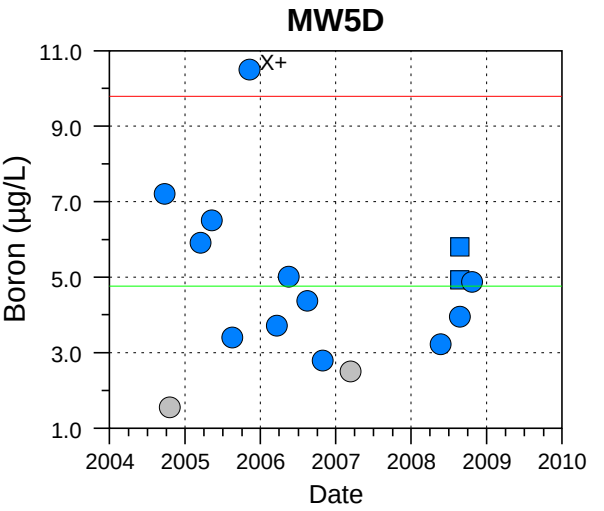
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

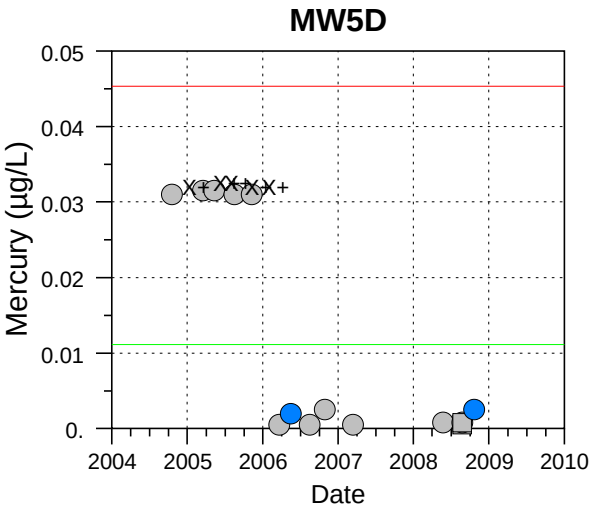
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

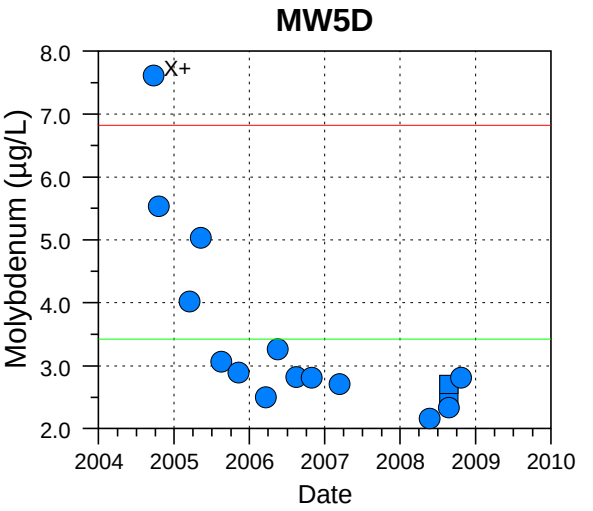












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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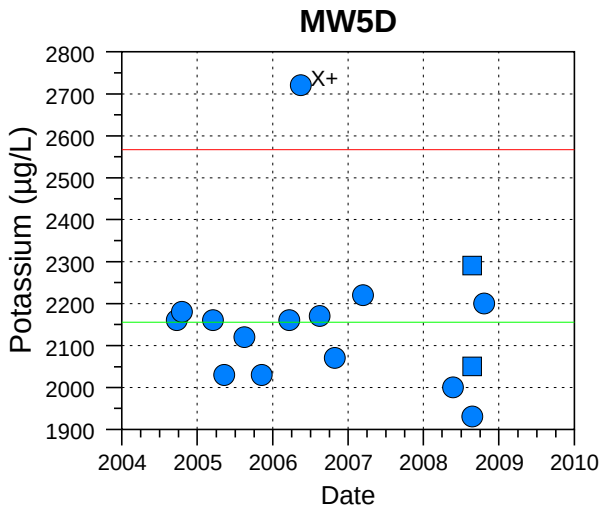
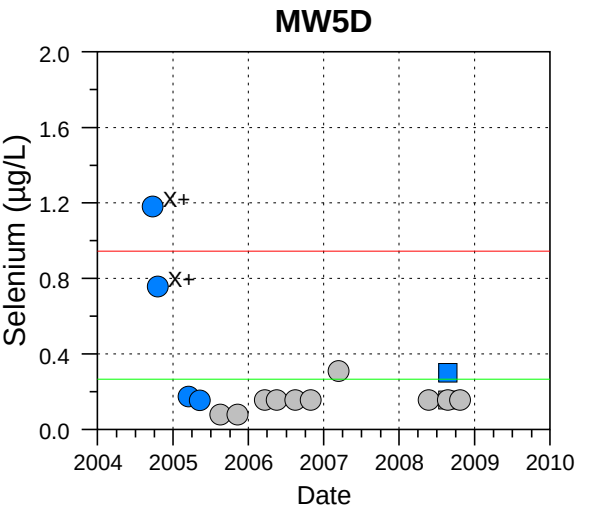
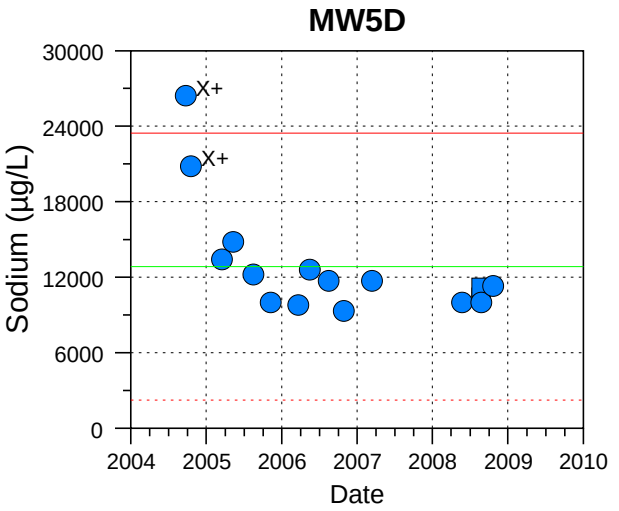
THE pebble PARTNERSHIP

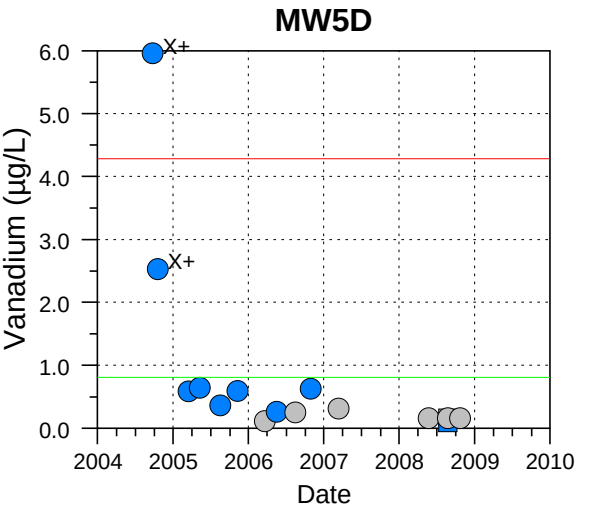
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

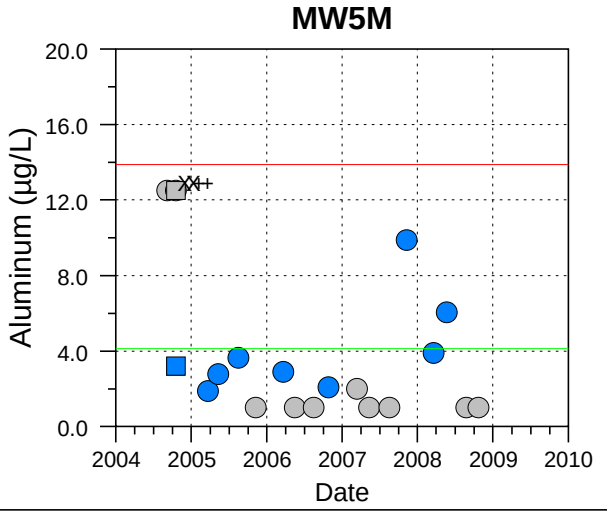
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

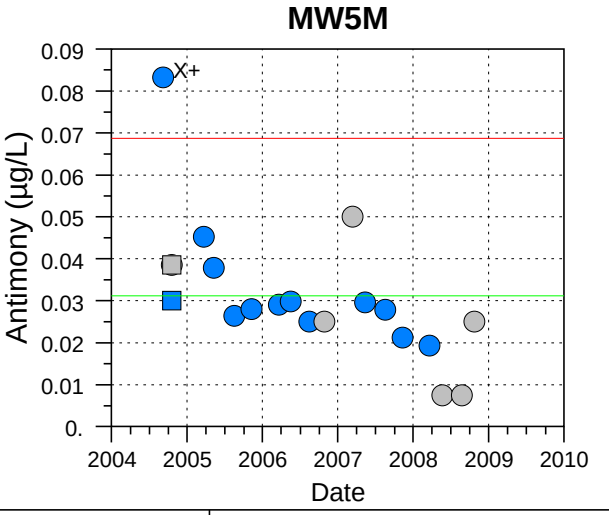












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

File: 7126	Date: Jul 07, 2011
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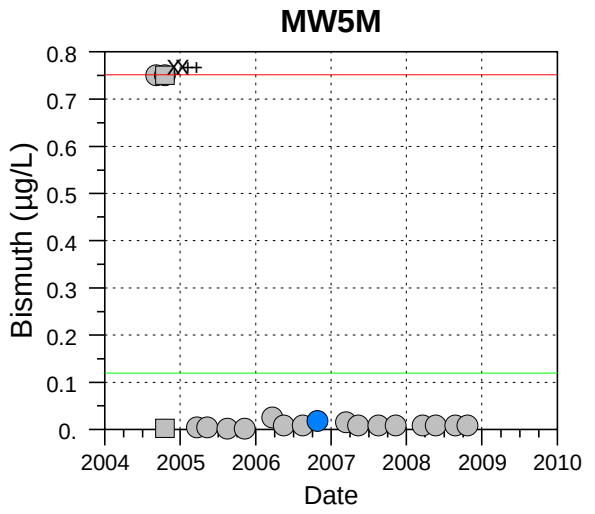

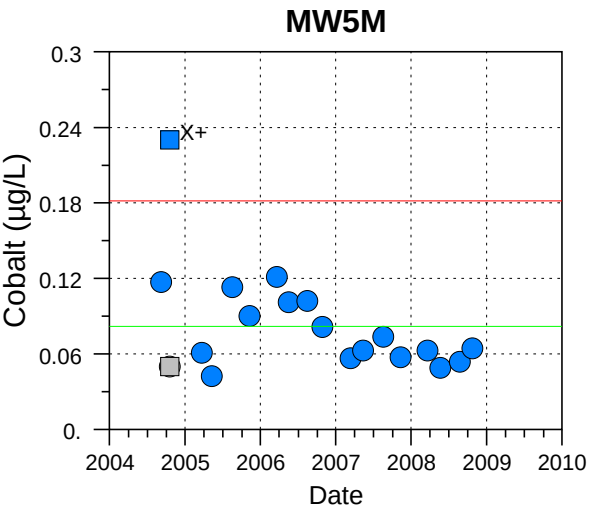

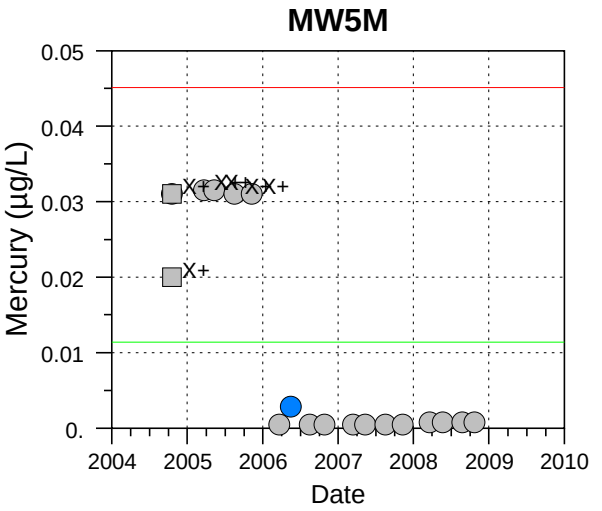

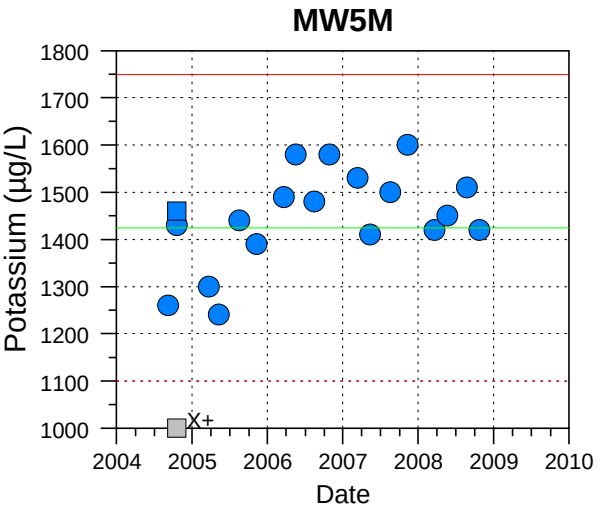

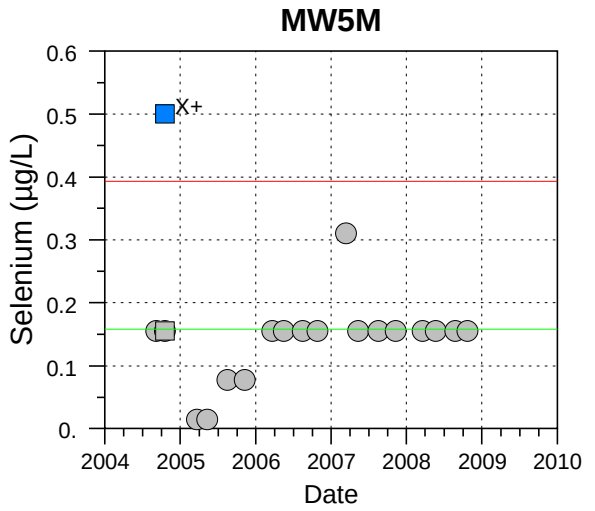

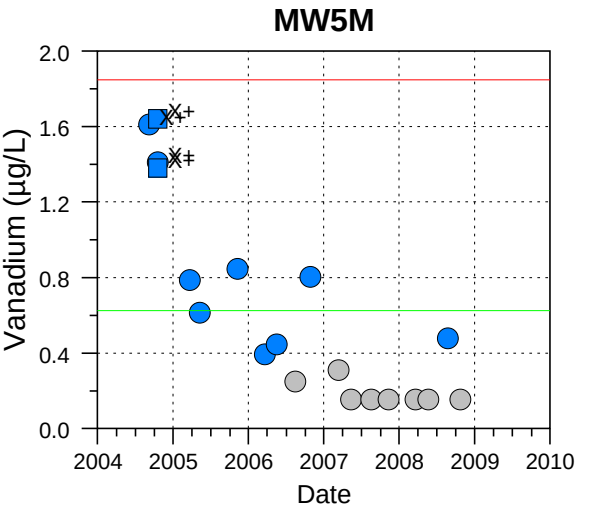

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Appendix 9.2C-1
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Dissolved Concentrations

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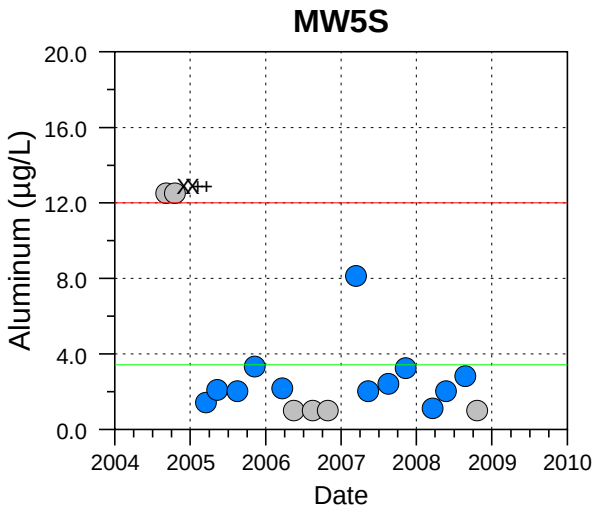

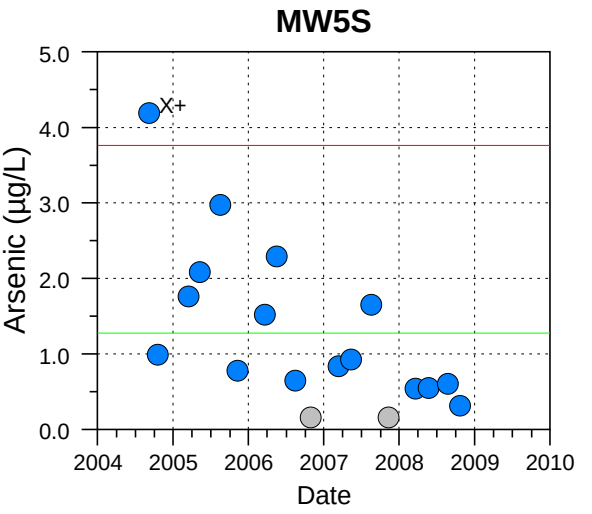

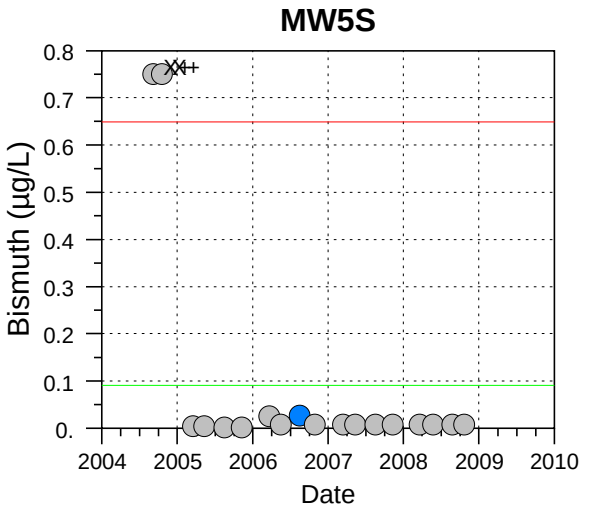

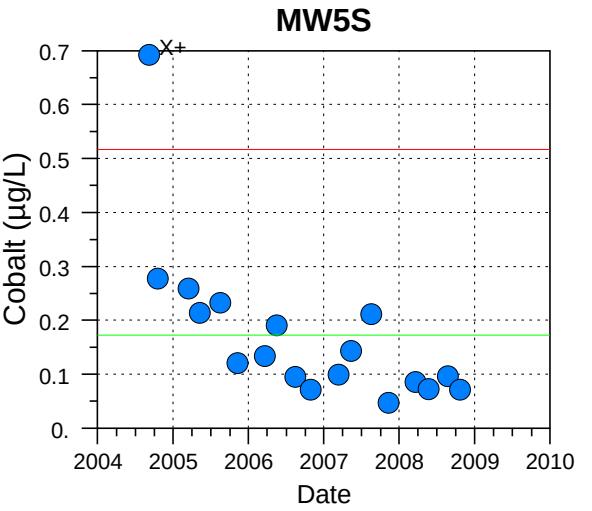

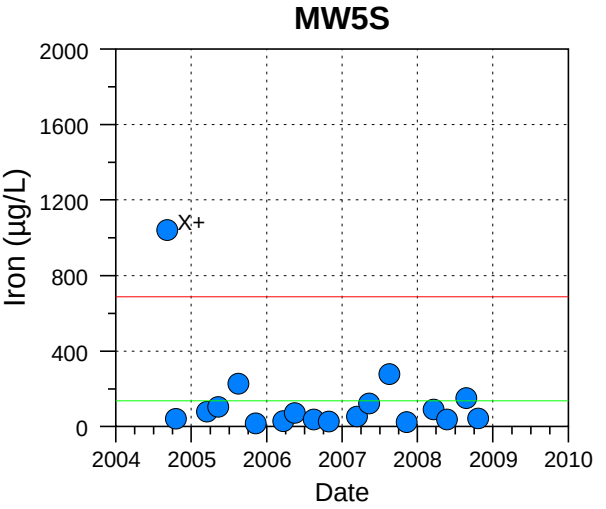

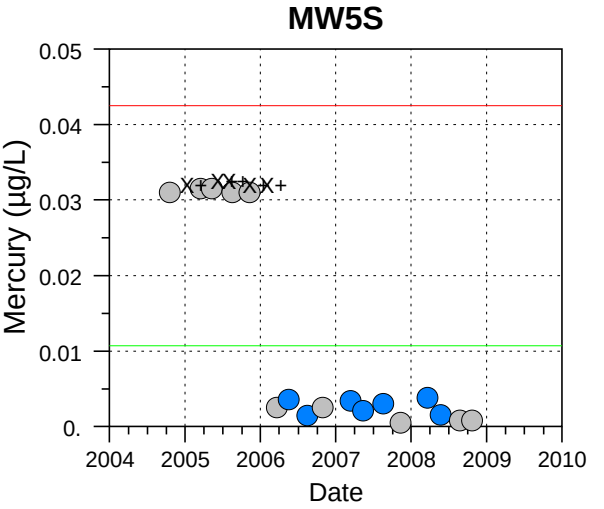

Legend

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- Quality Control Sample Result
- Not Detected
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- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Dissolved Concentrations

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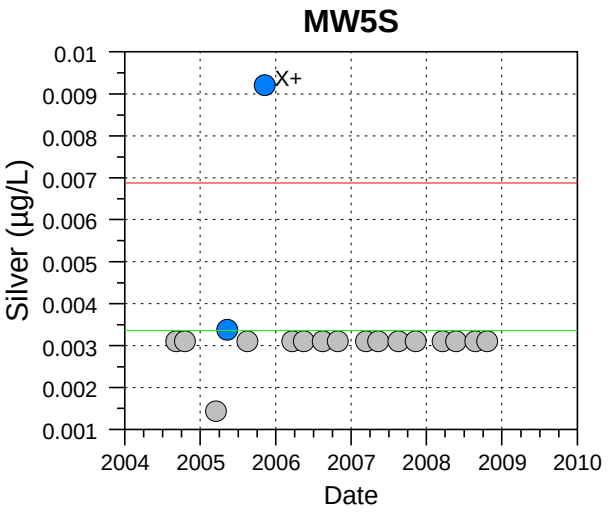

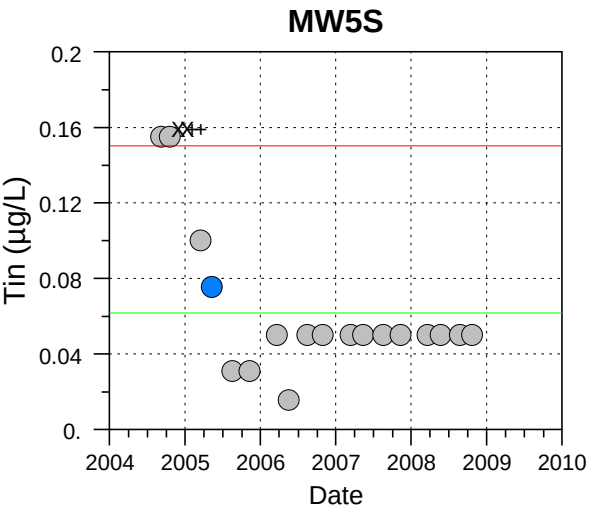

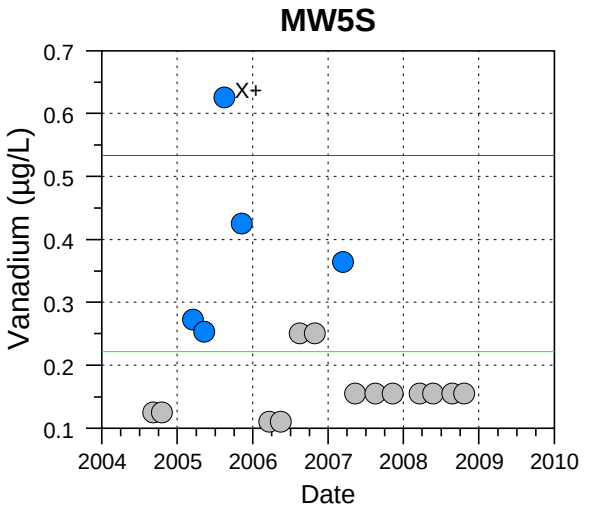

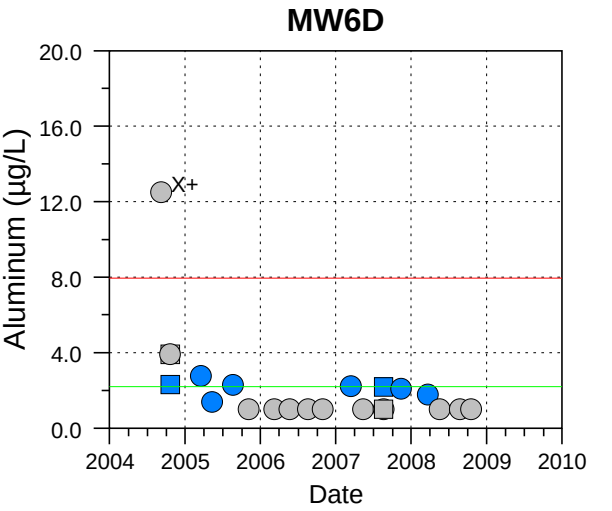

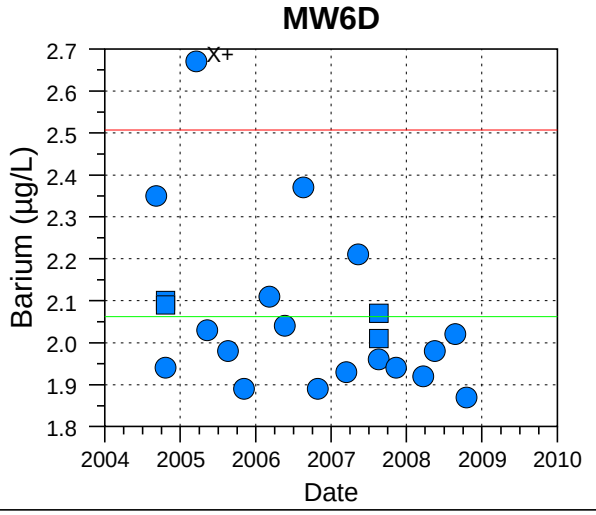

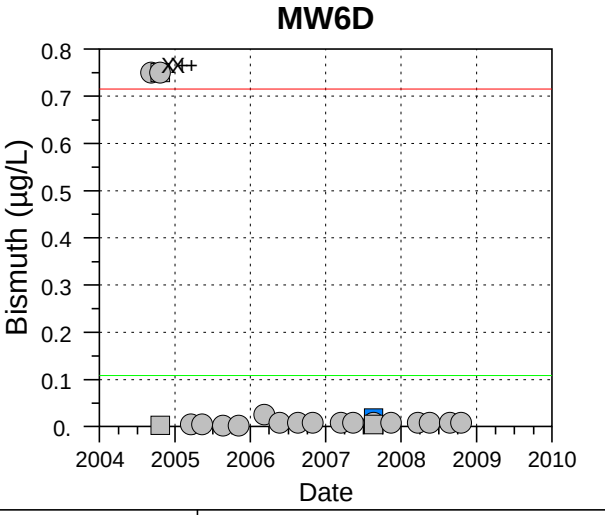

Legend

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X+ outlier, very high value

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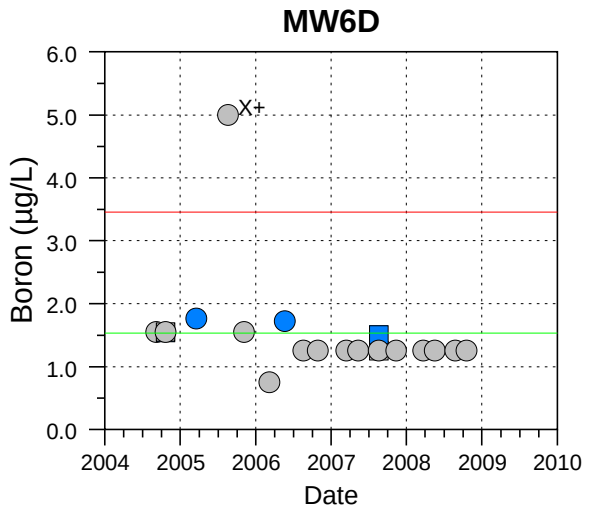
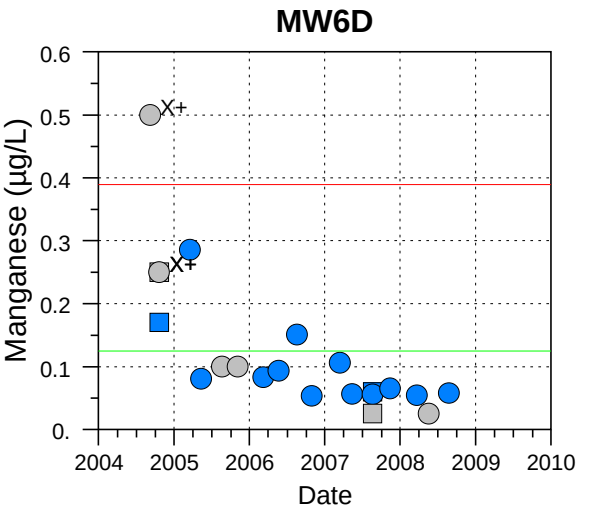
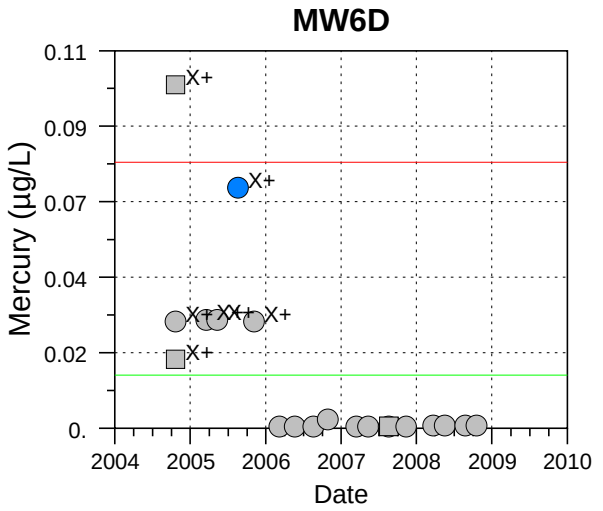
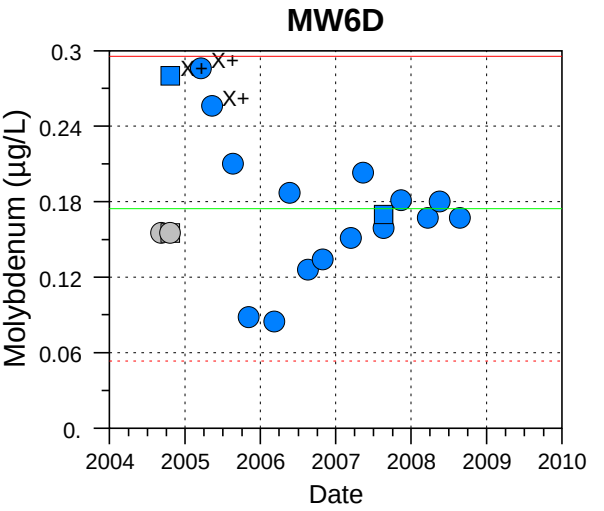
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

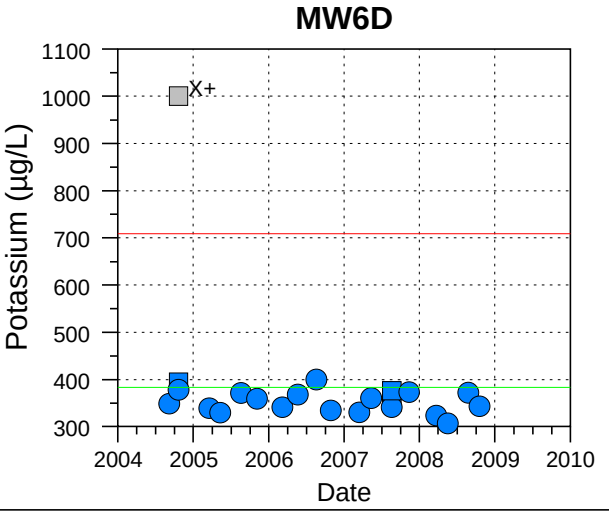
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

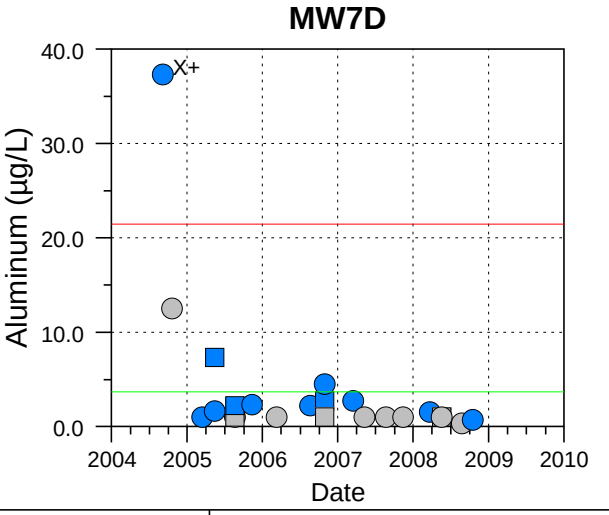












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

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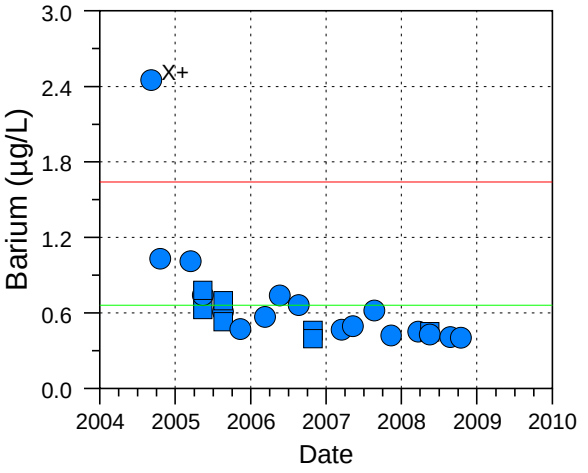

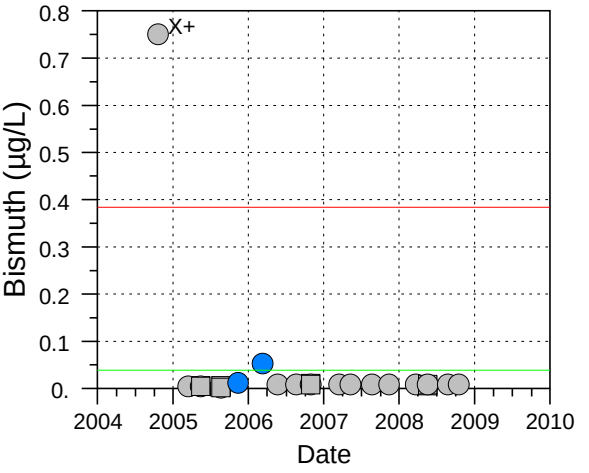

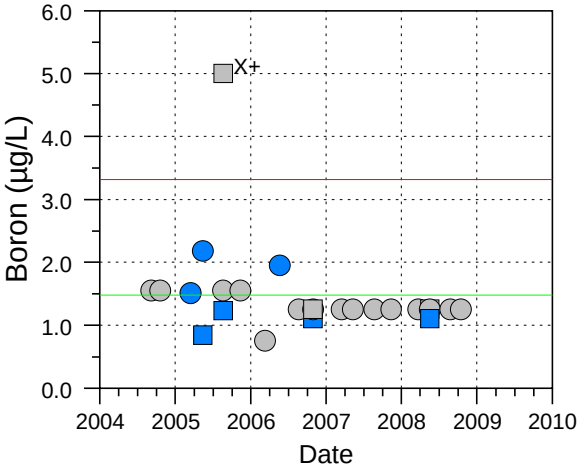

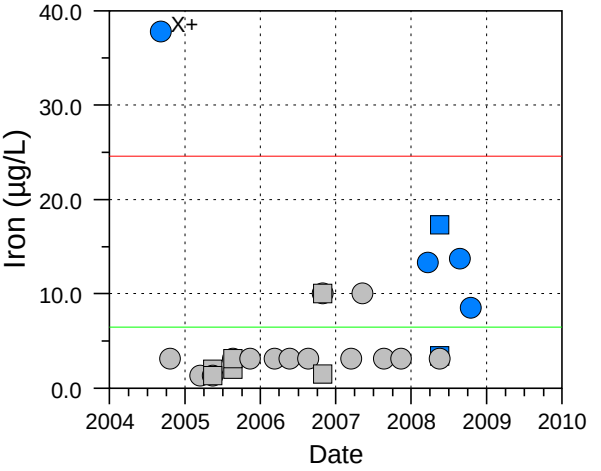

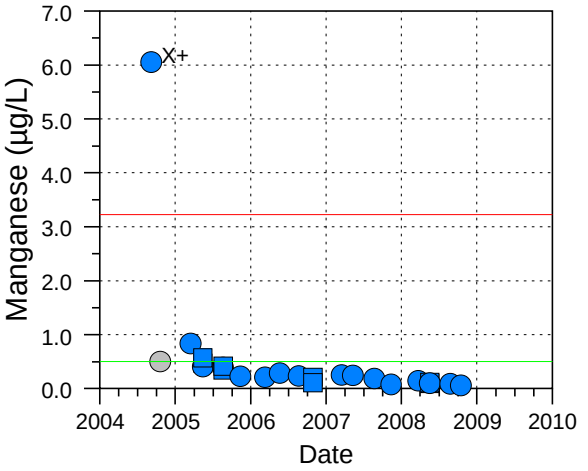

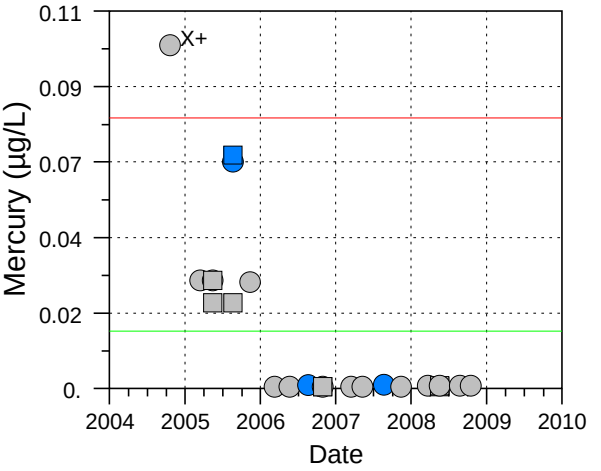

Legend

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- Mean
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X+ outlier, very high value

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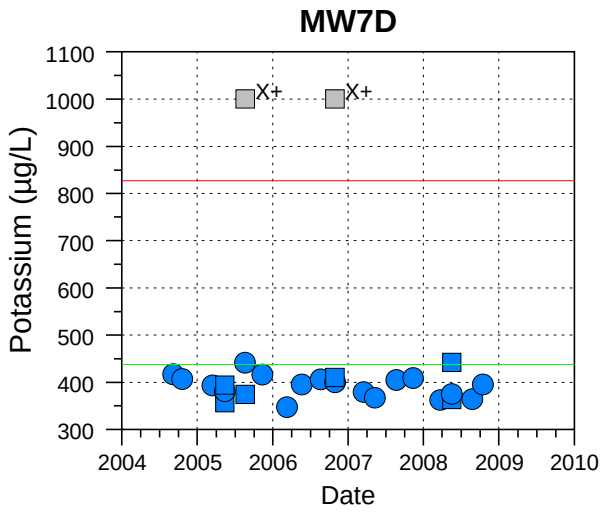

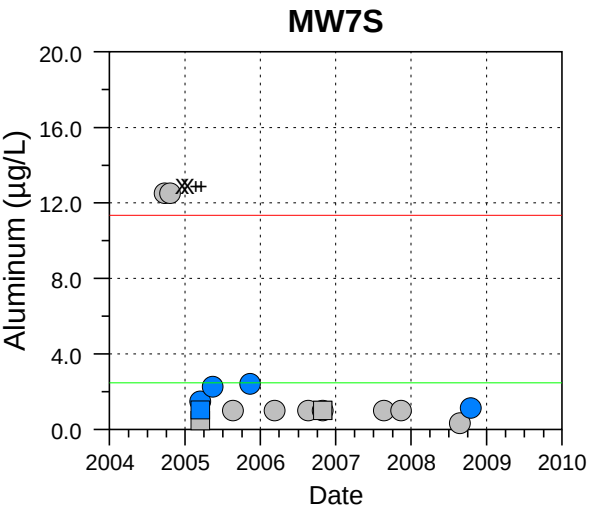

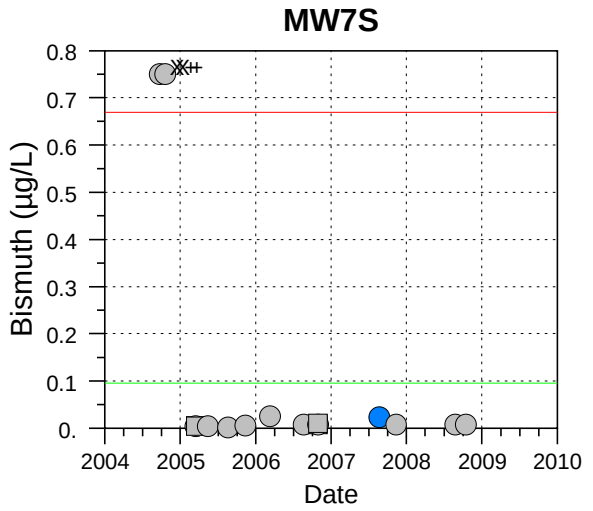

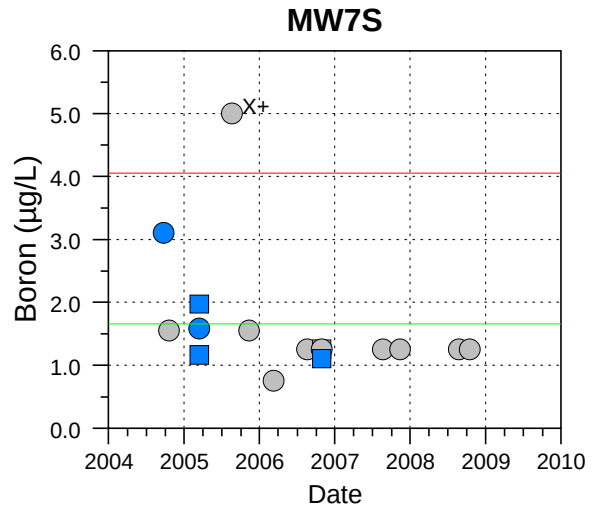

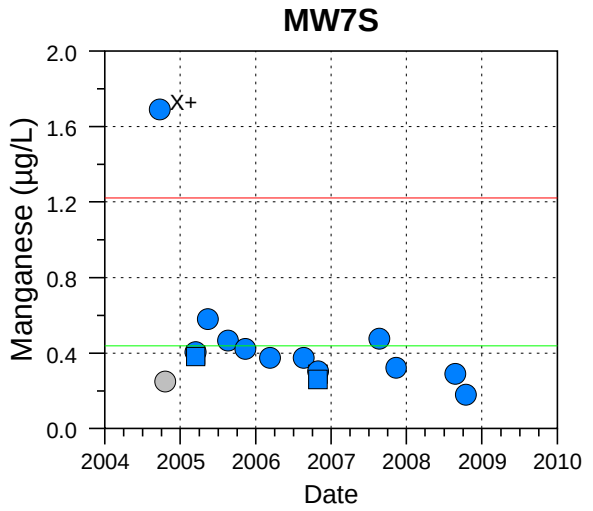

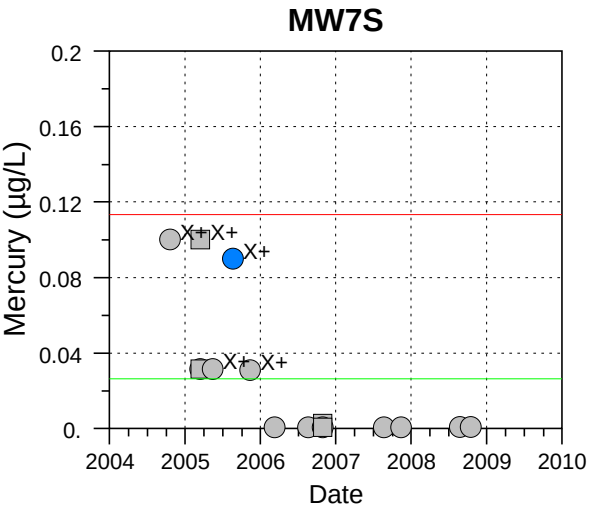

Legend

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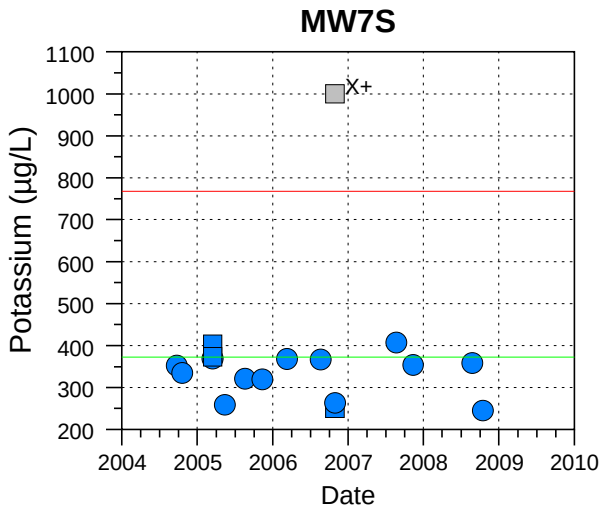

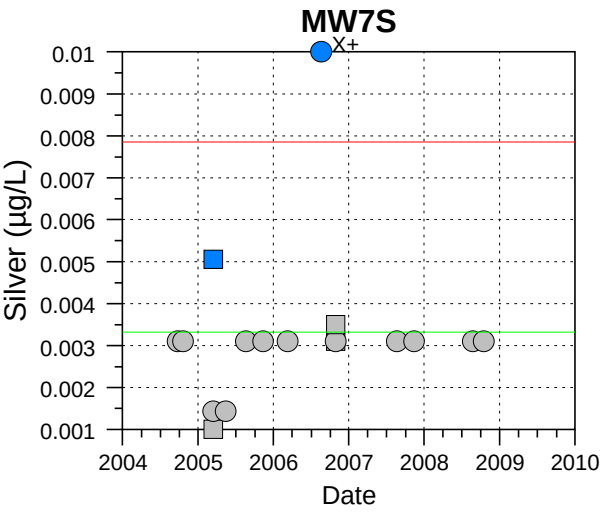

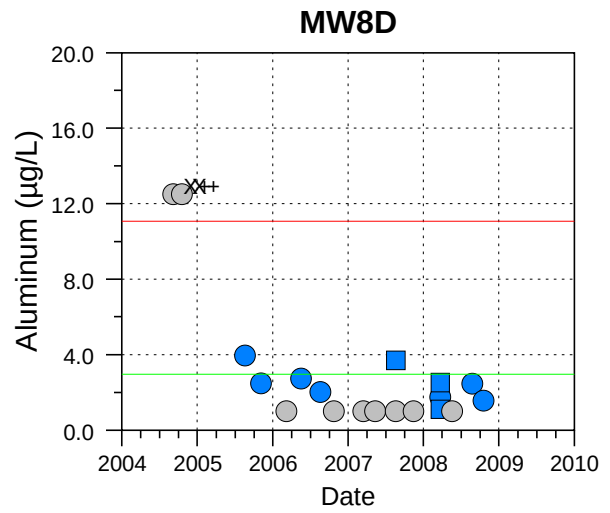

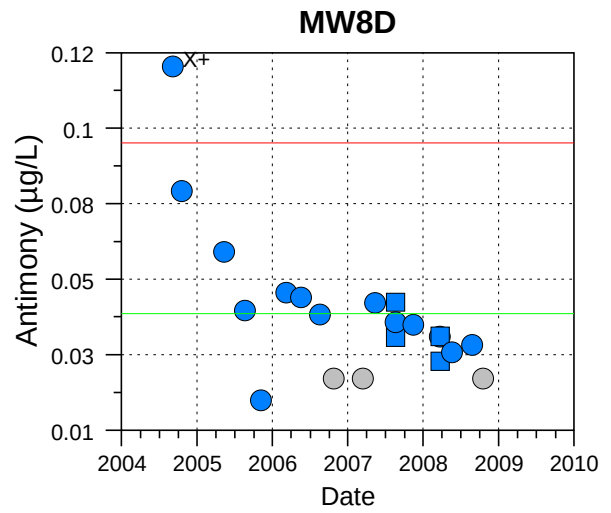

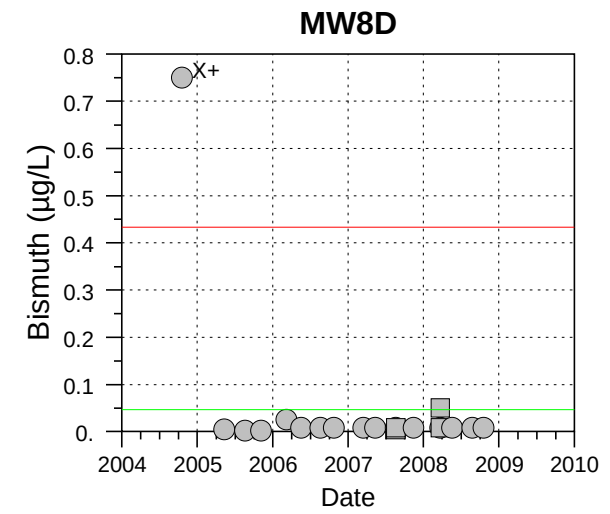

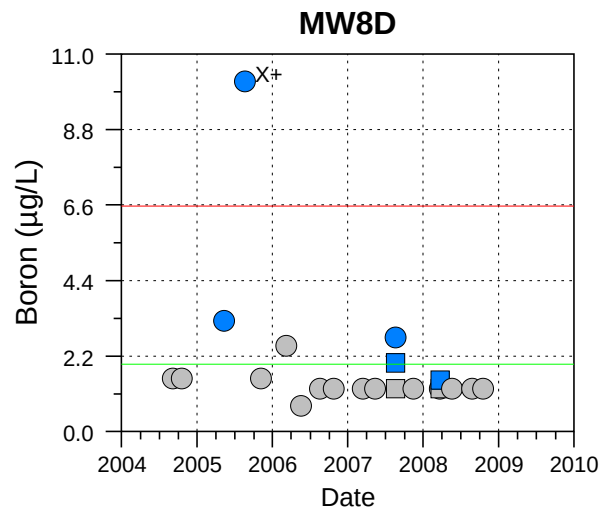

Legend

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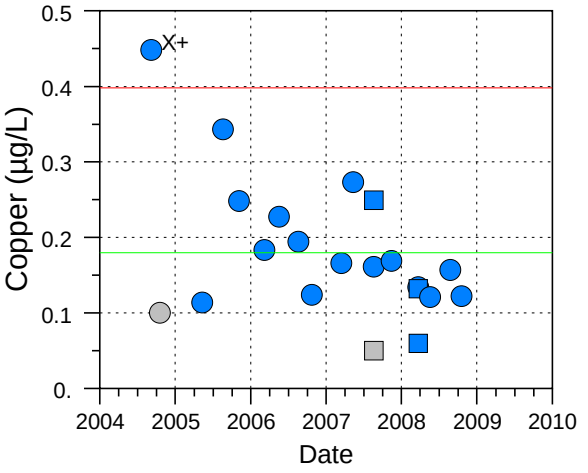

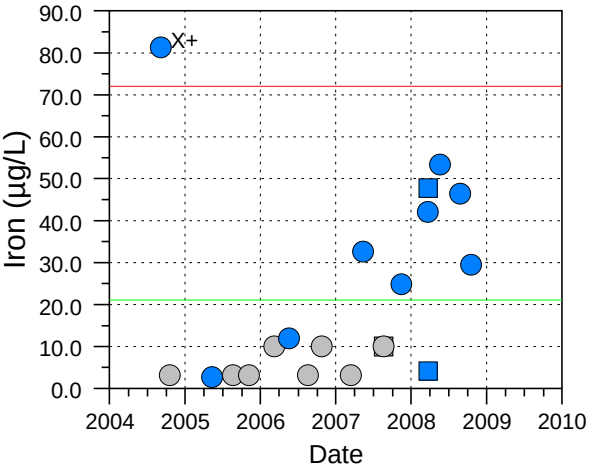

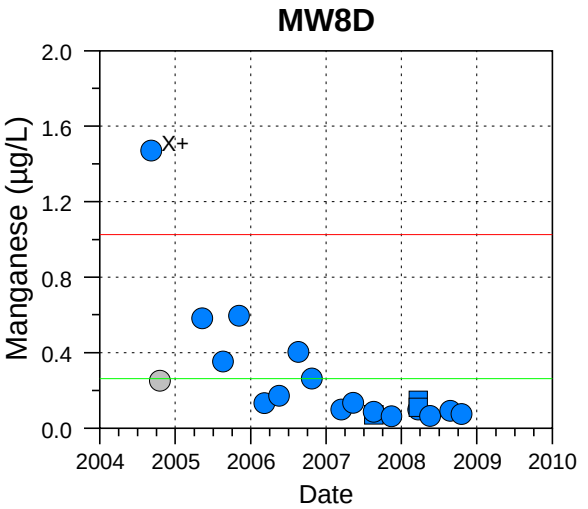

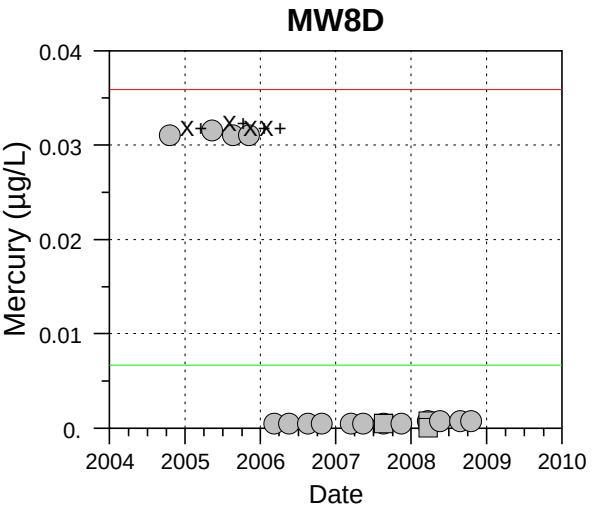

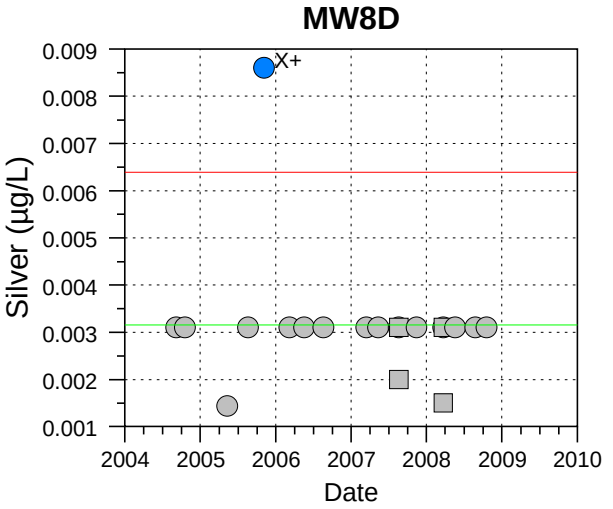

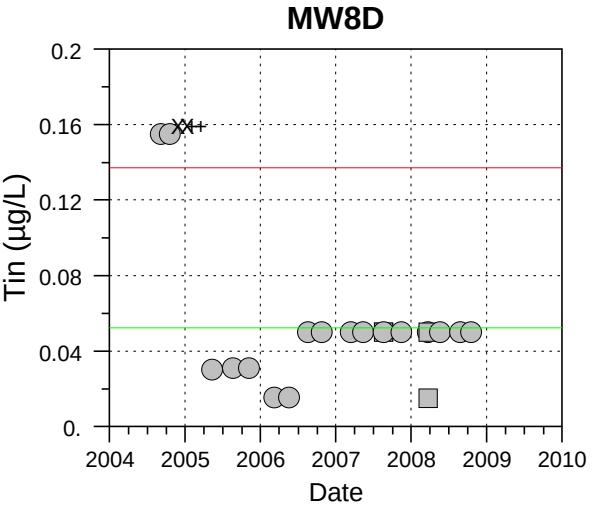

Legend

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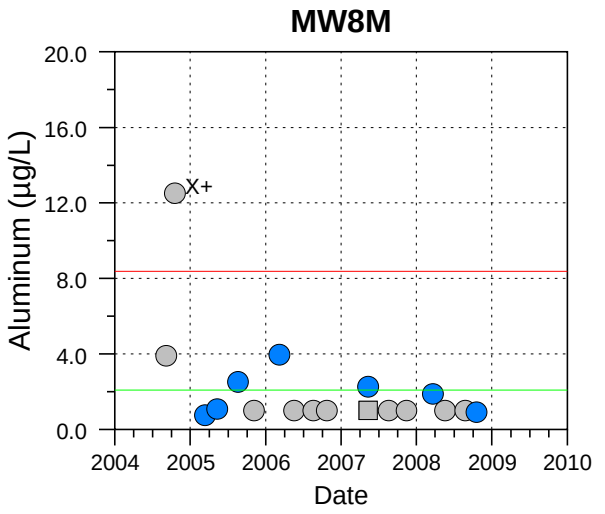

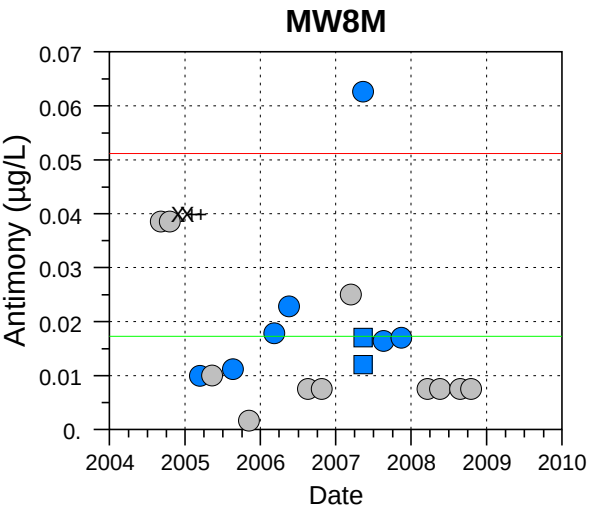

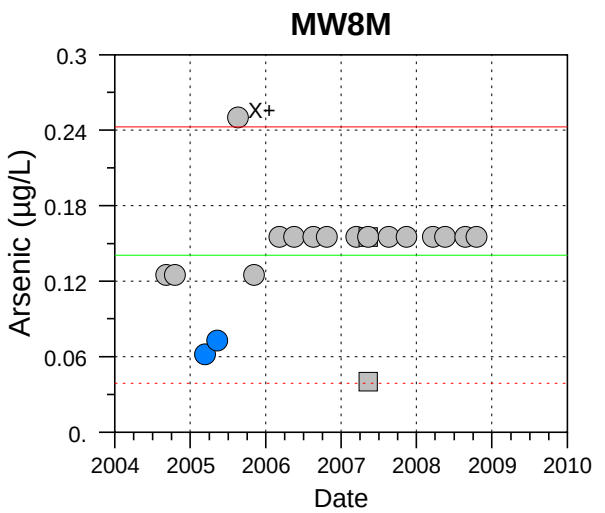

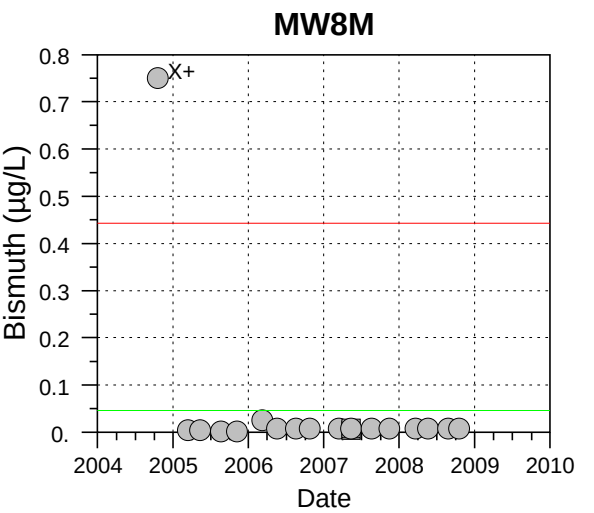

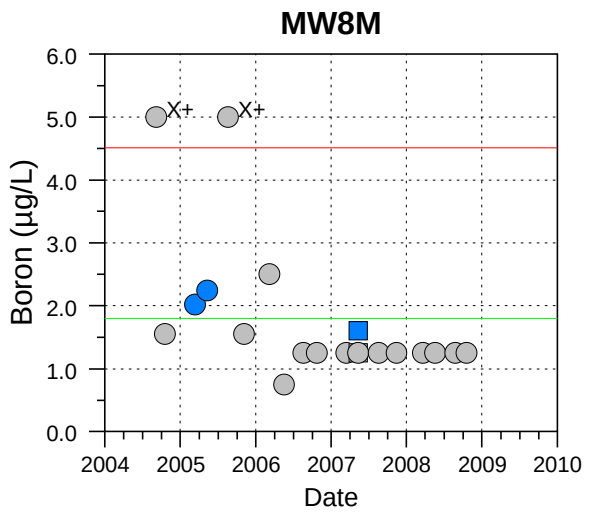

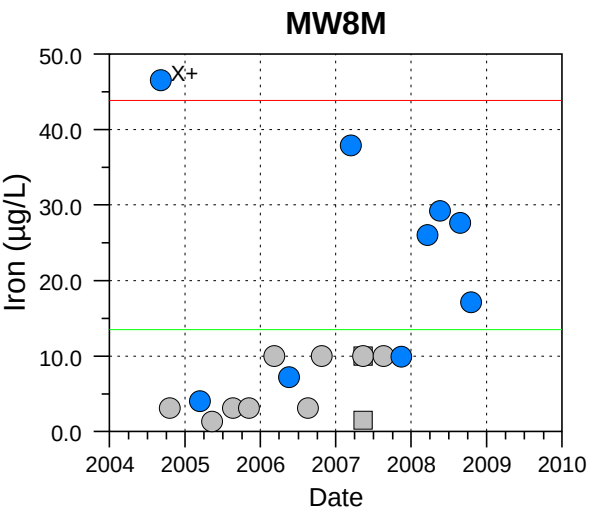

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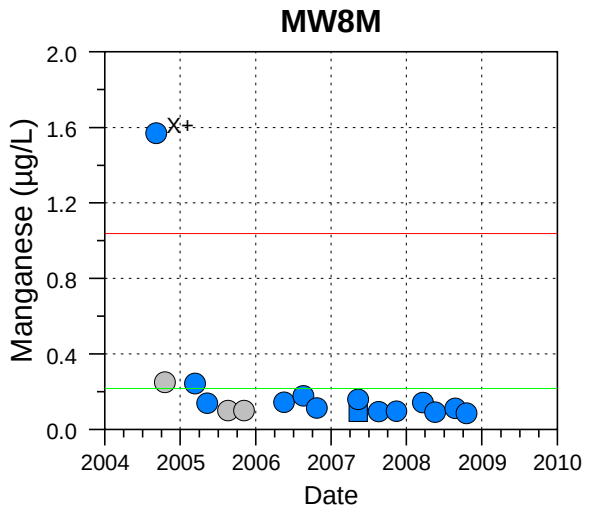

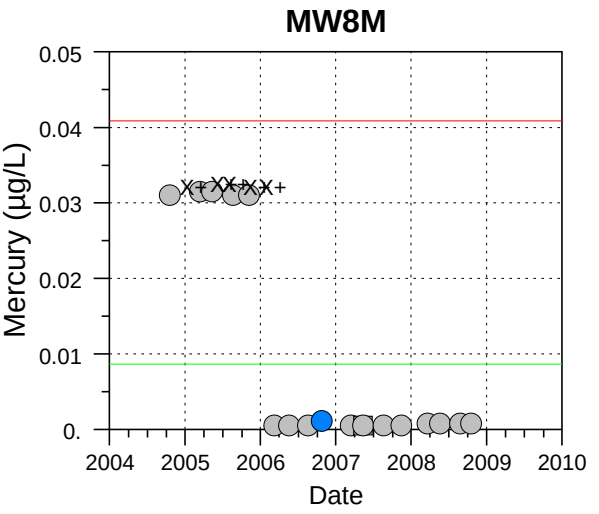

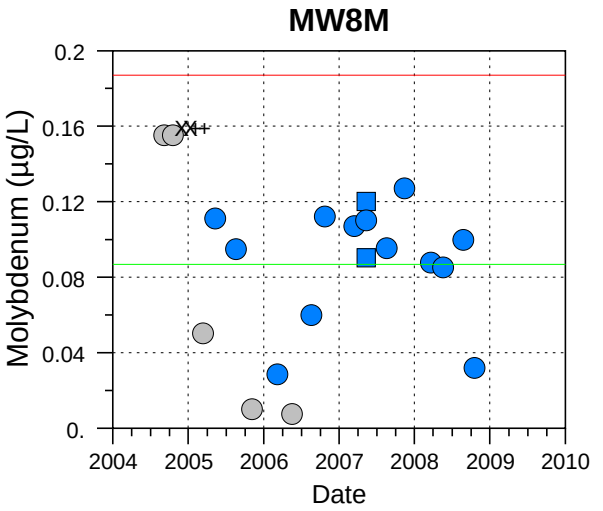

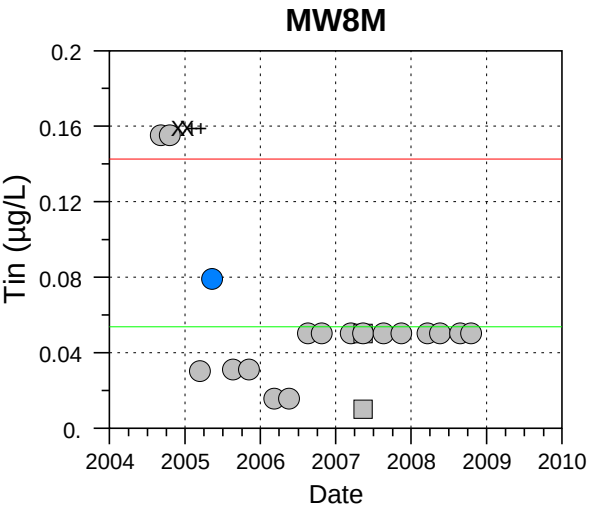

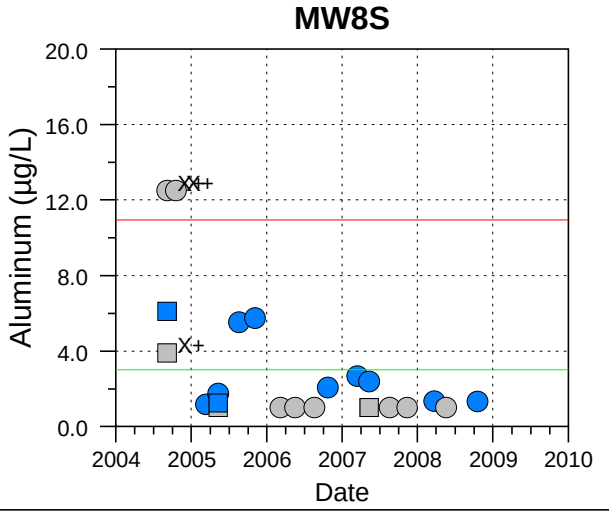

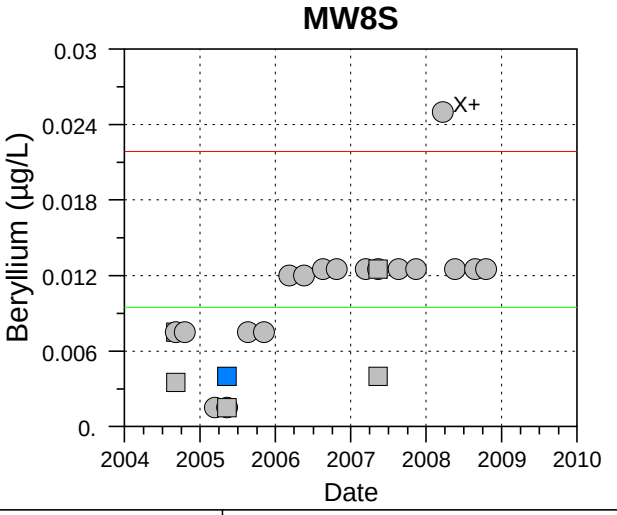

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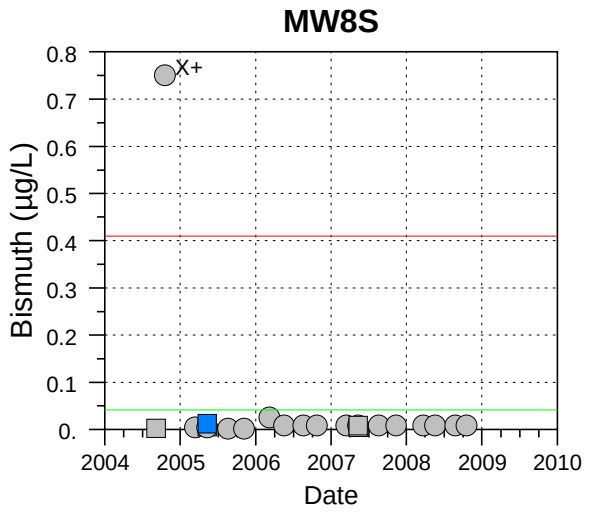

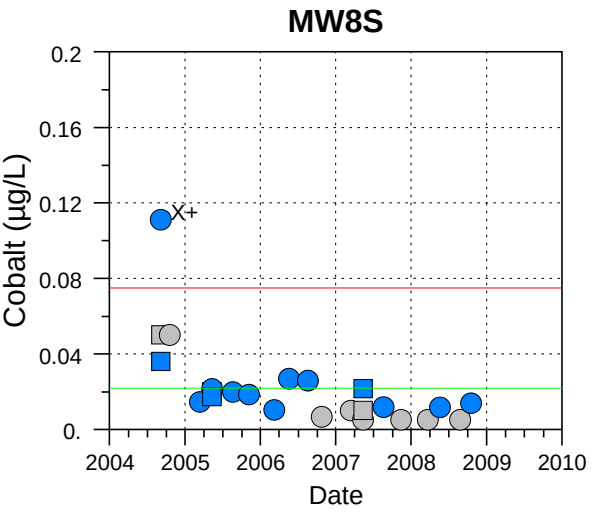

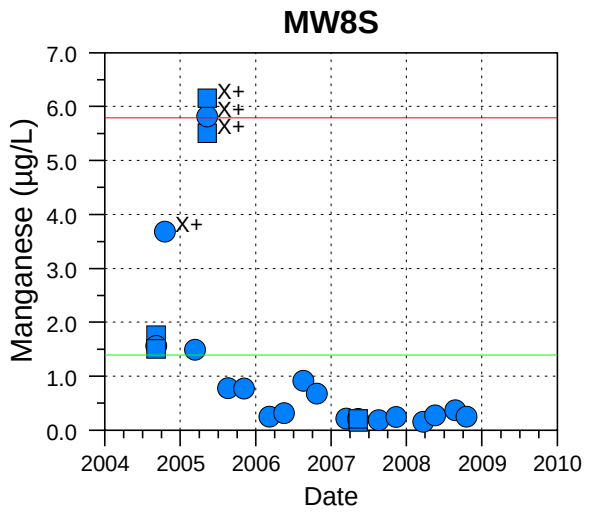

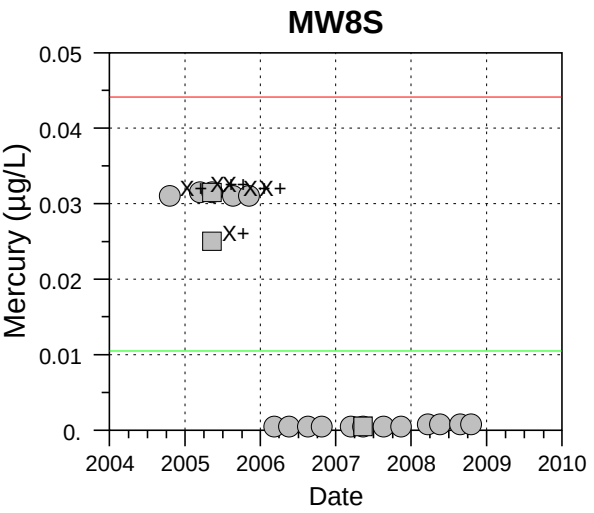

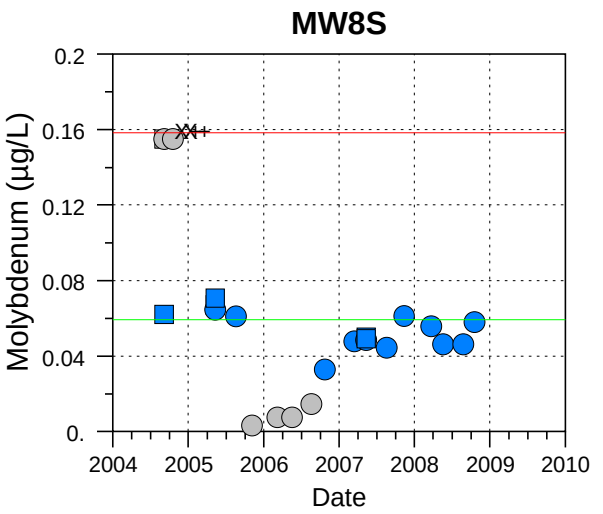

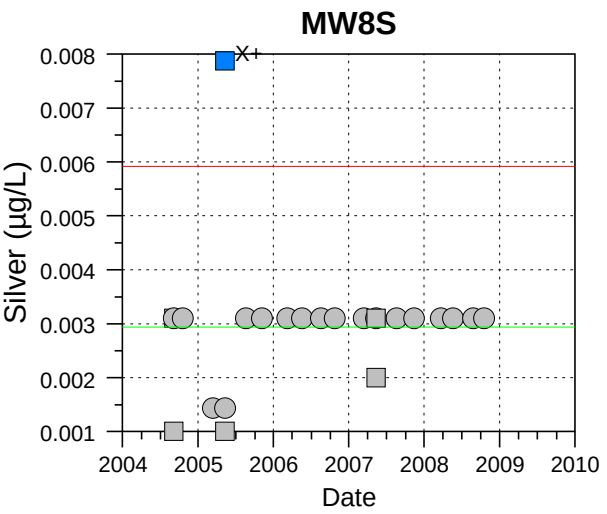

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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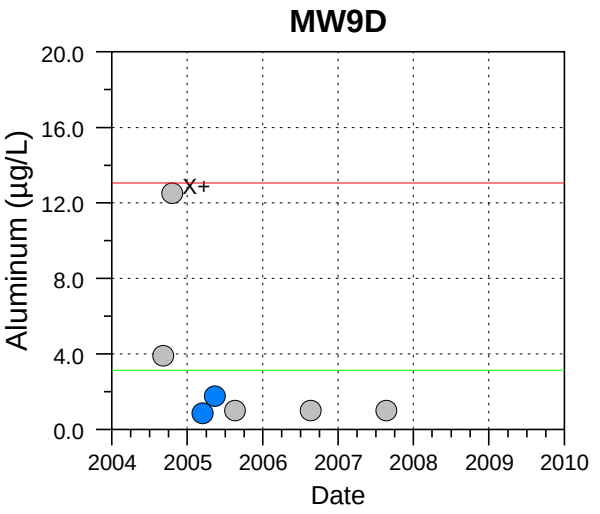
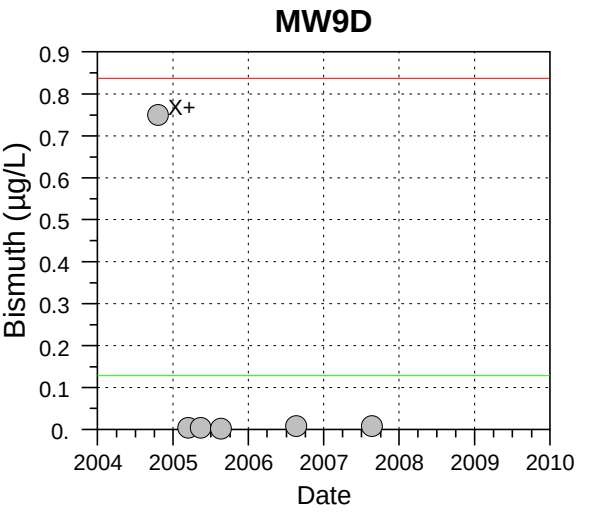
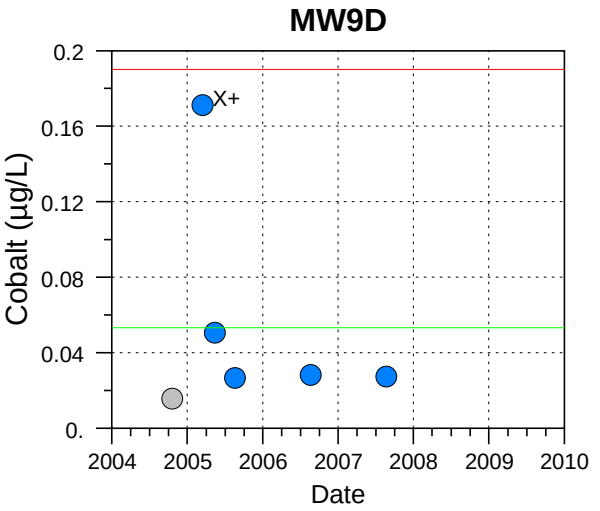
THE pebble PARTNERSHIP

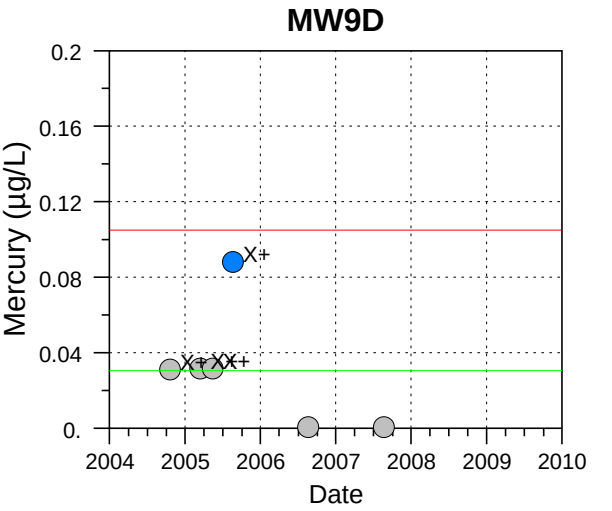
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

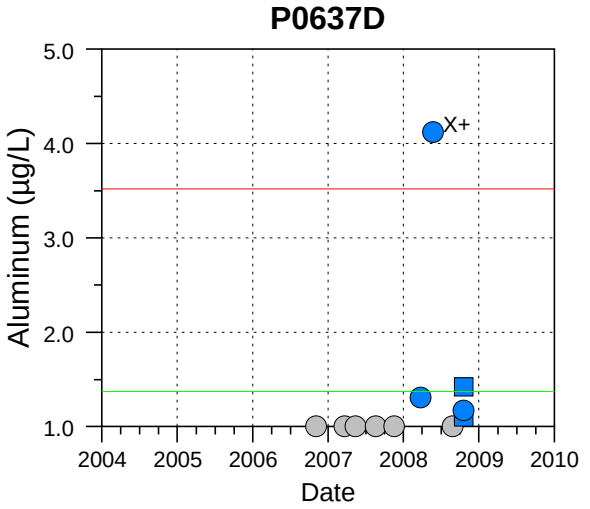
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

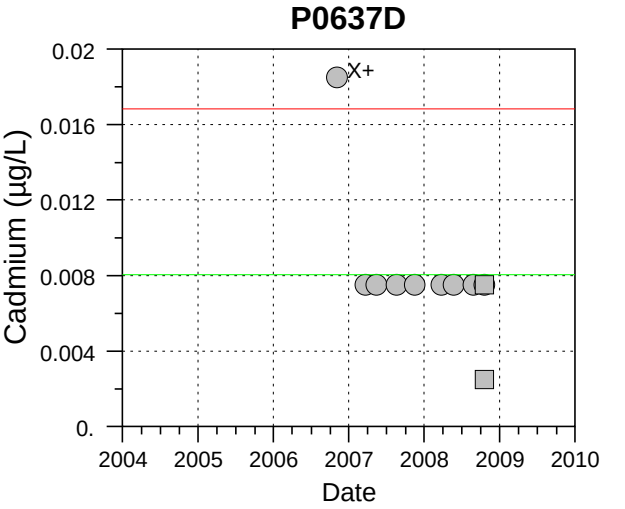












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

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Dissolved Concentrations

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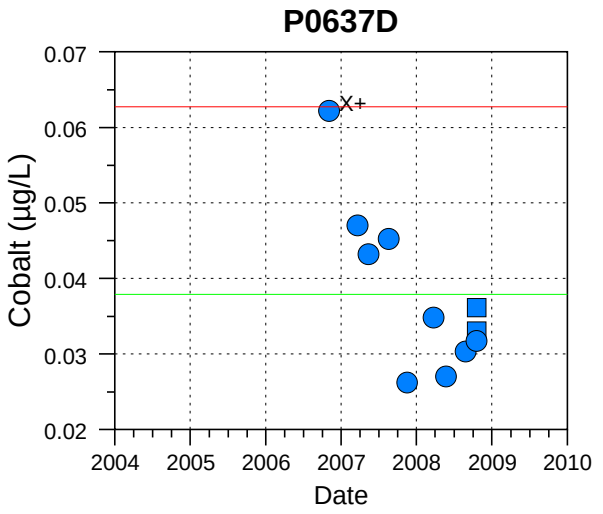
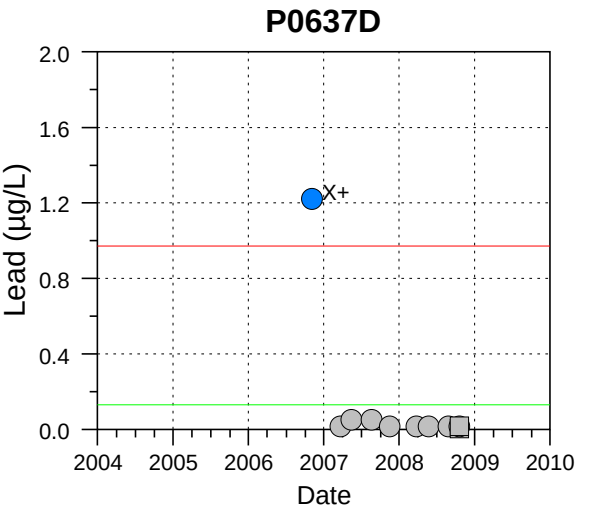
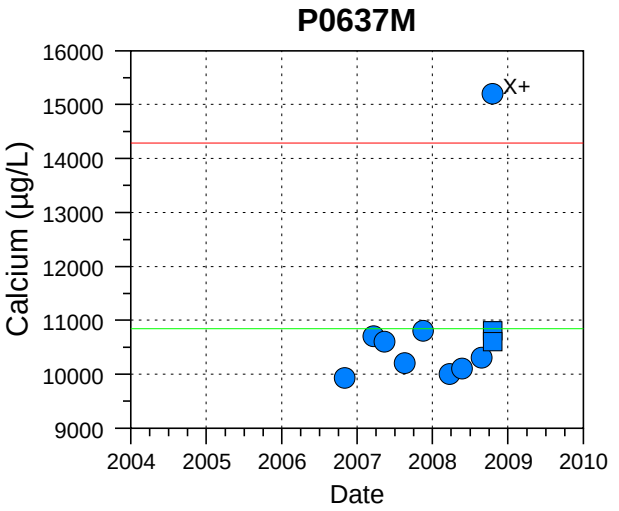
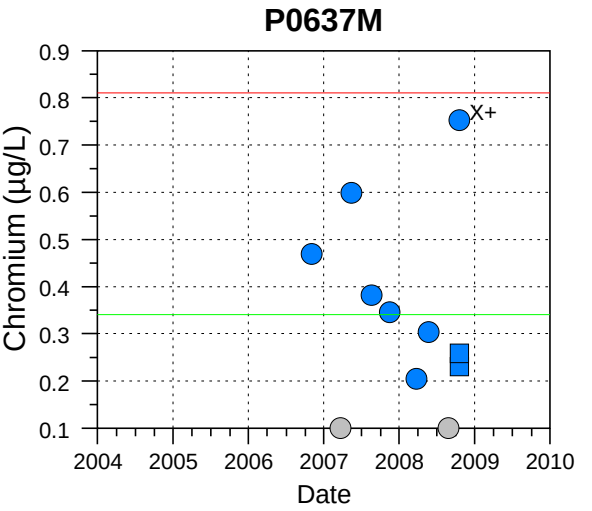
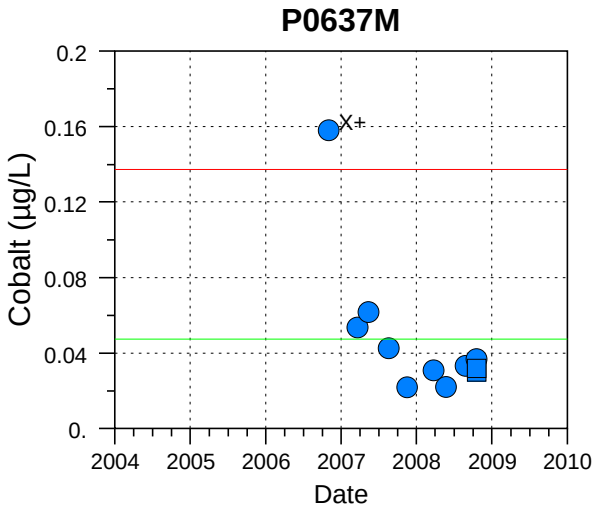
Version: 1	Author: SWS-ca

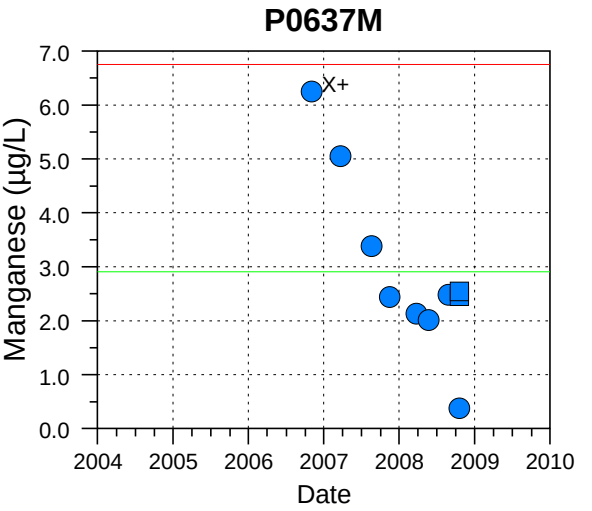












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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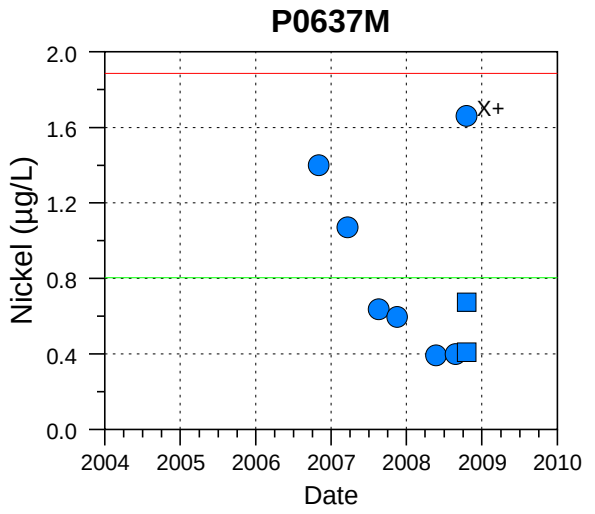
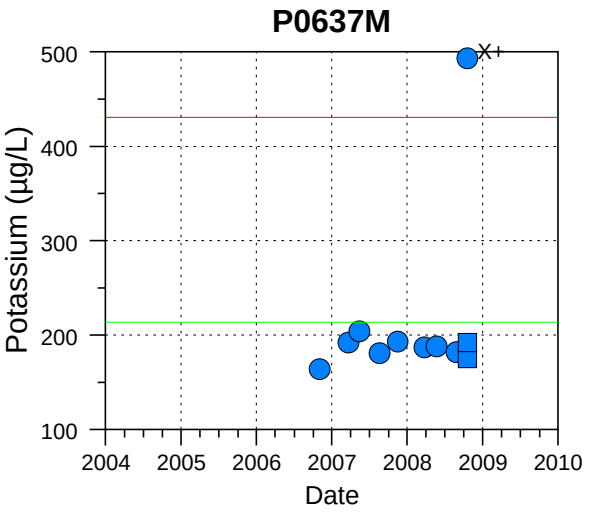
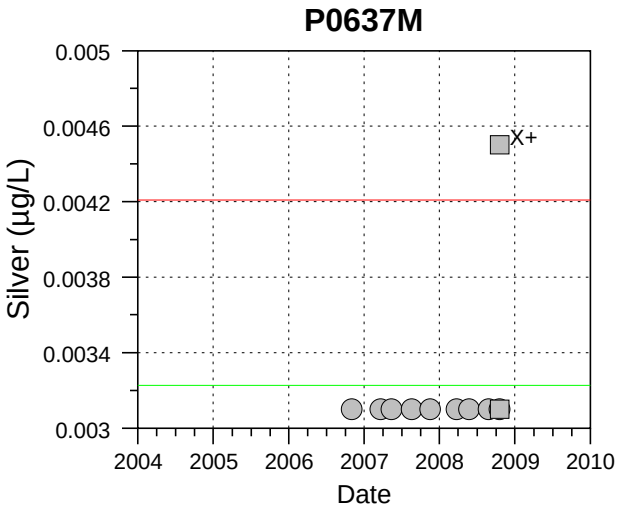
THE pebble PARTNERSHIP

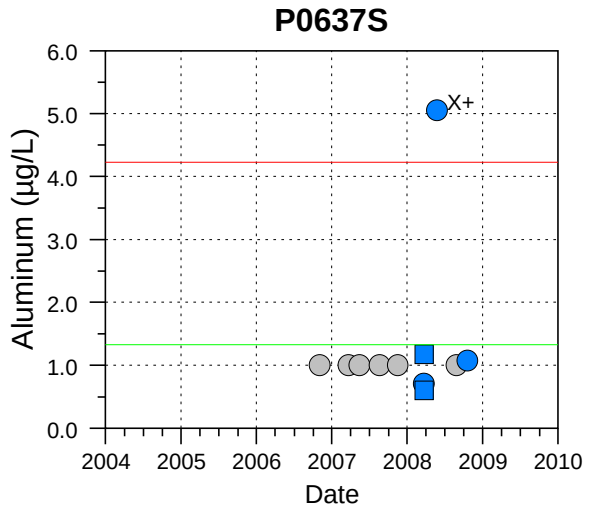
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

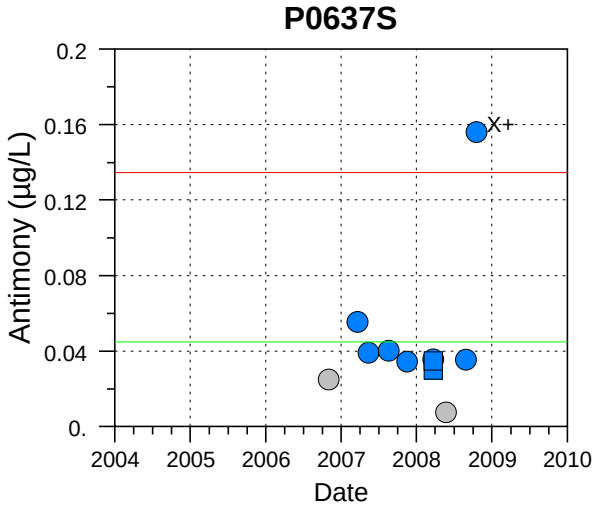
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

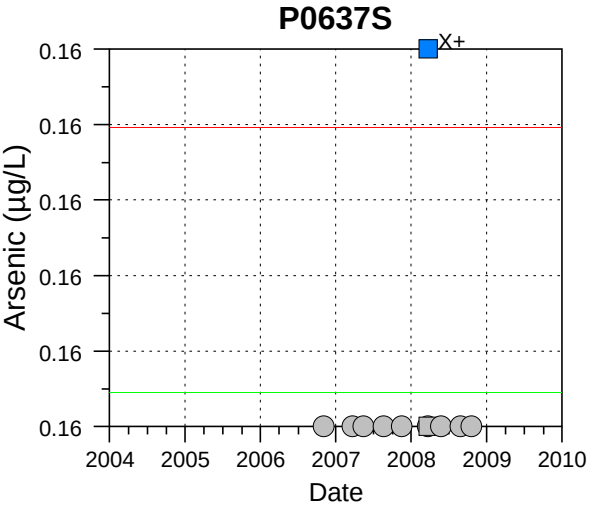












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

File: 7126	Date: Jul 07, 2011
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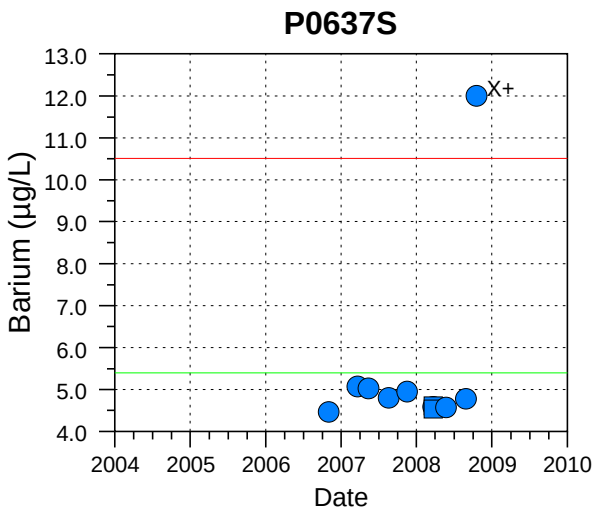

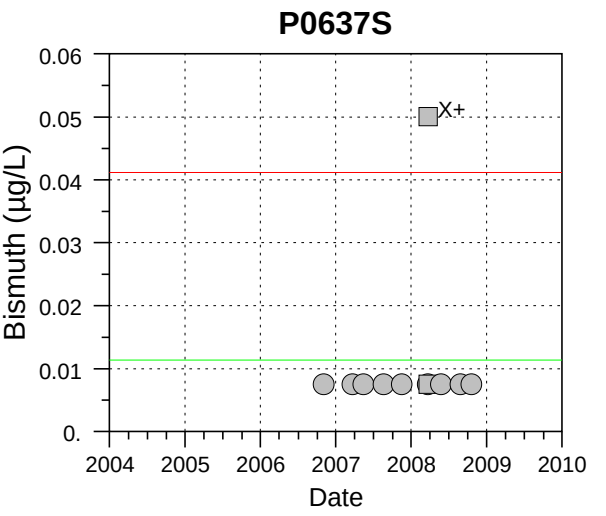

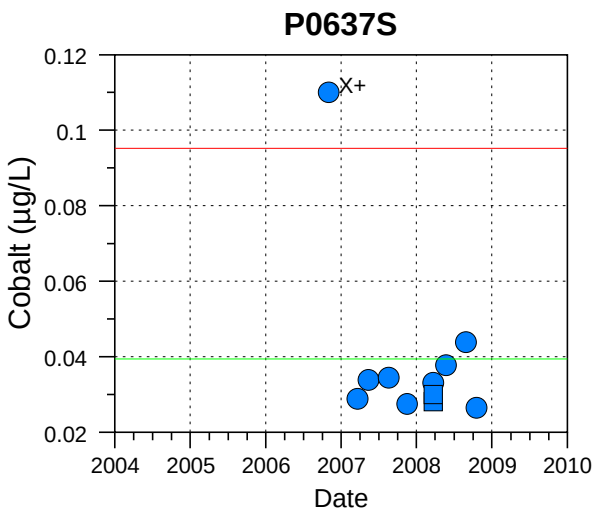

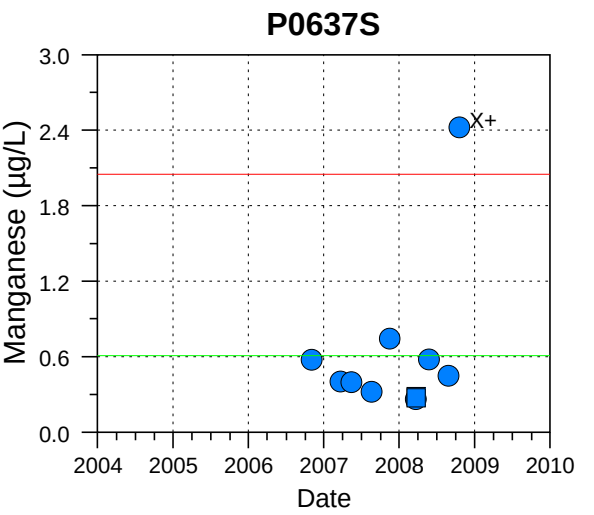

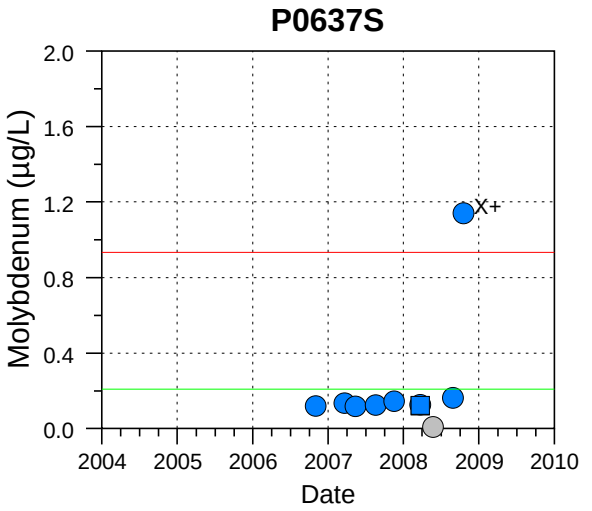

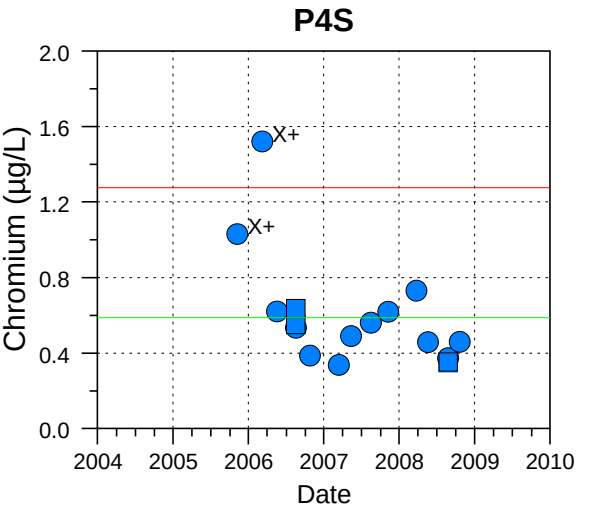

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

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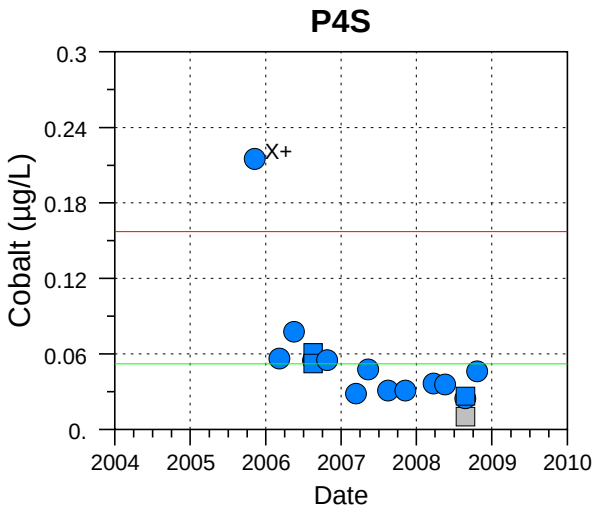
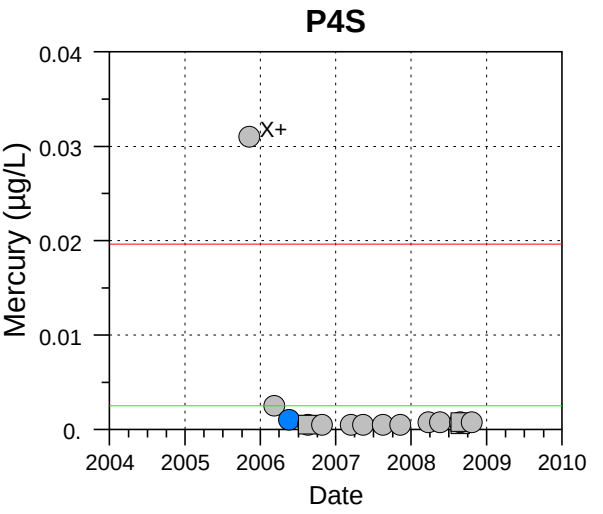
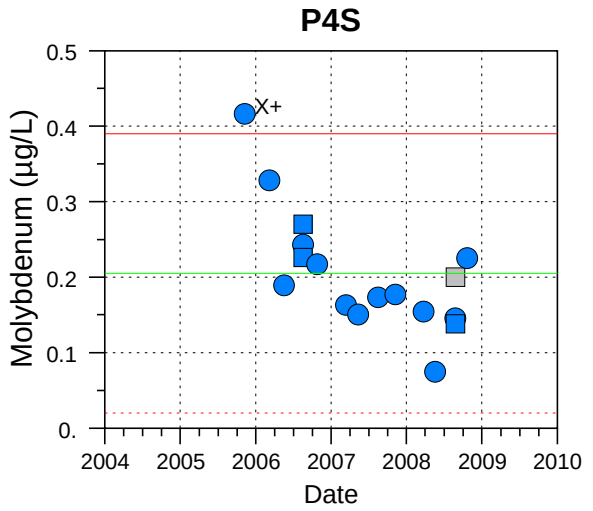
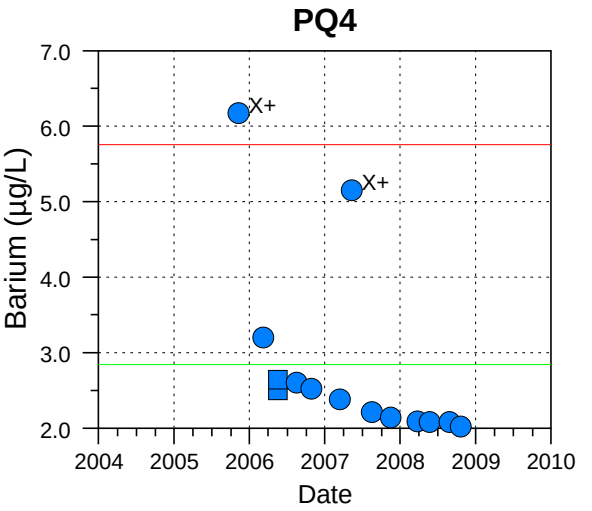
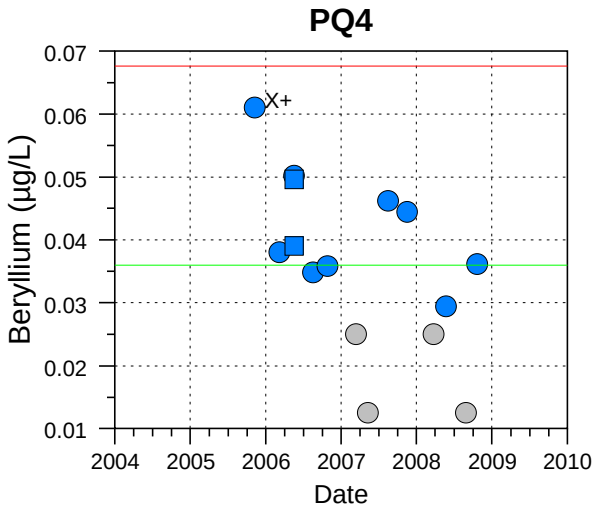
Version: 1	Author: SWS-ca

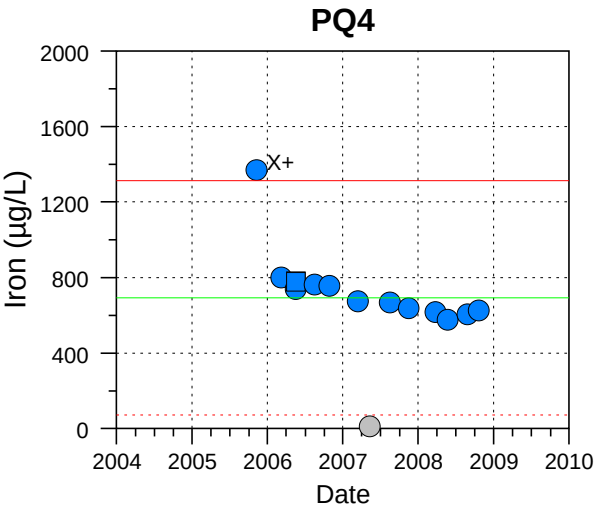












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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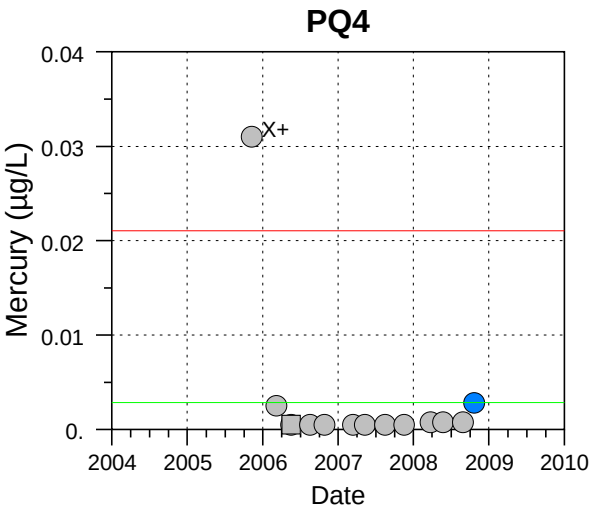

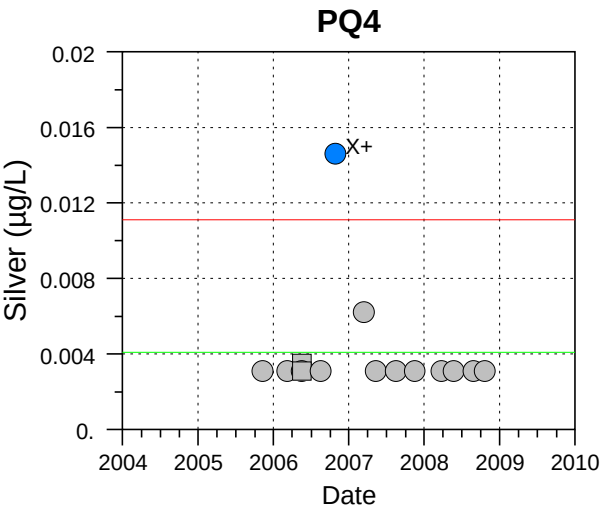

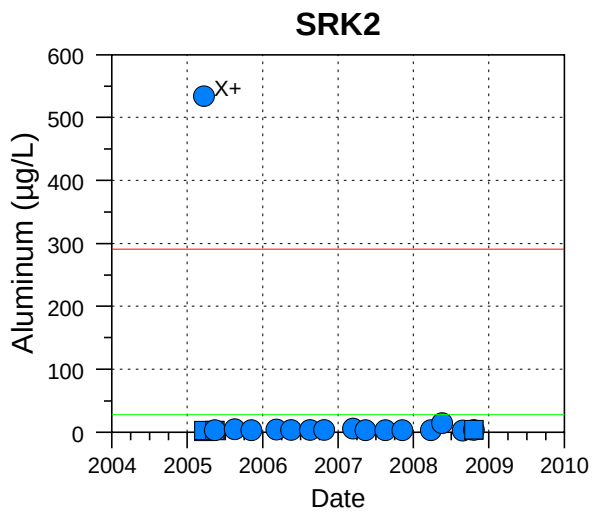

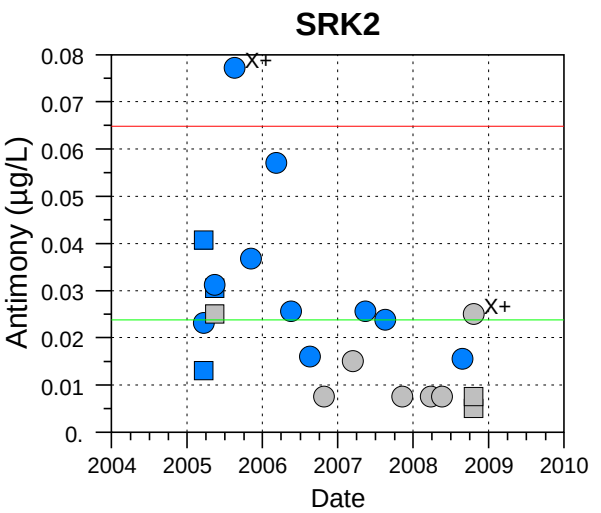

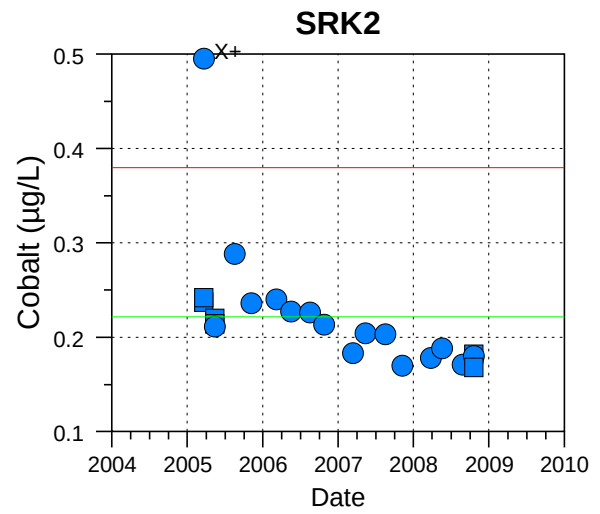

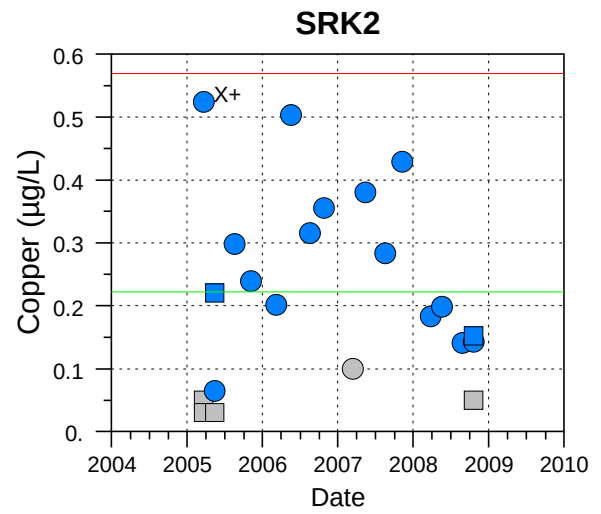

Legend

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- Quality Control Sample Result
- Not Detected
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- Mean
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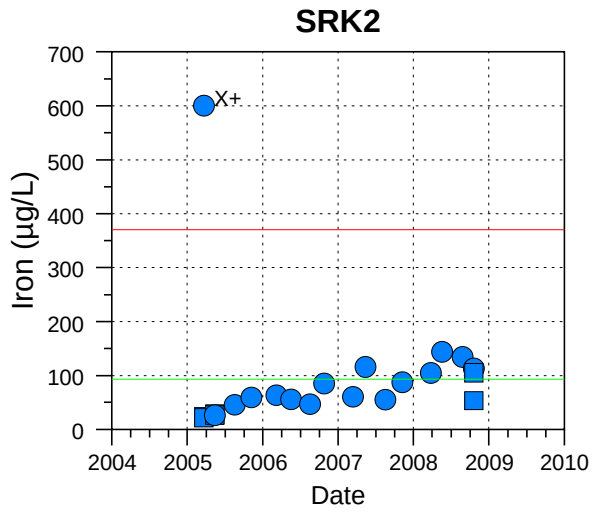
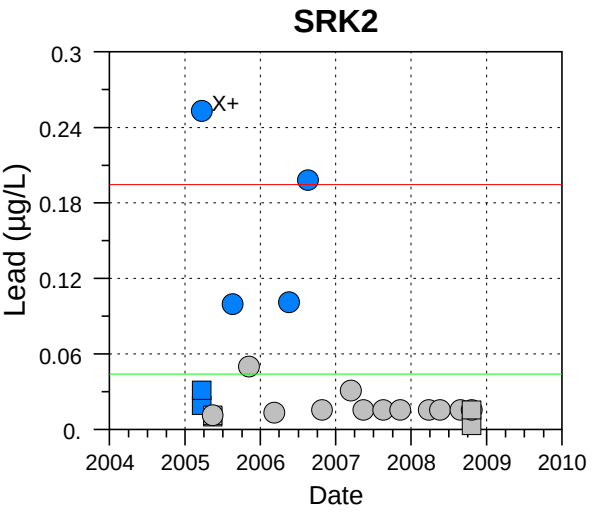
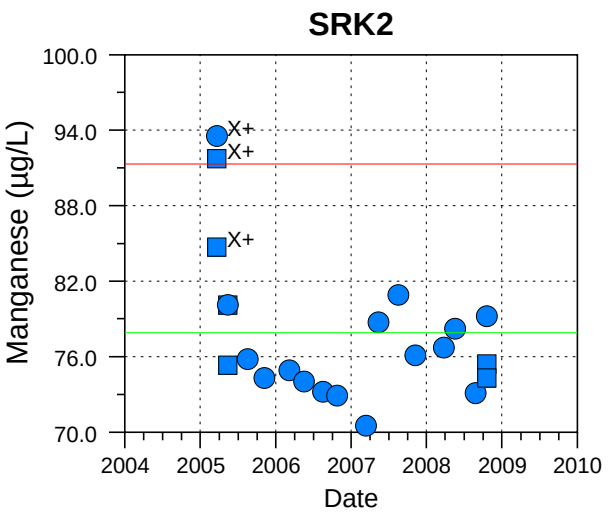
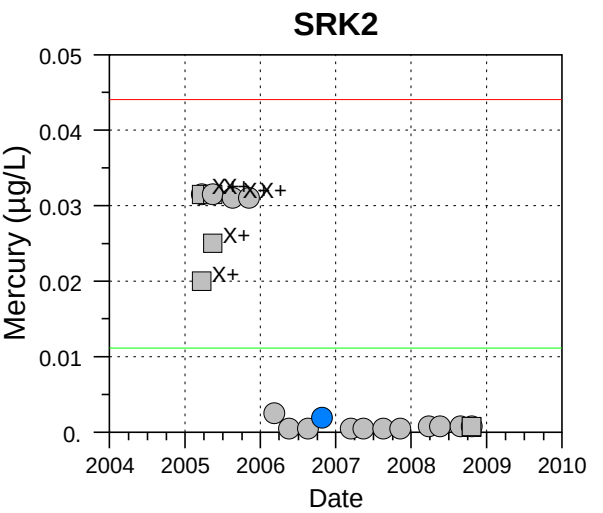
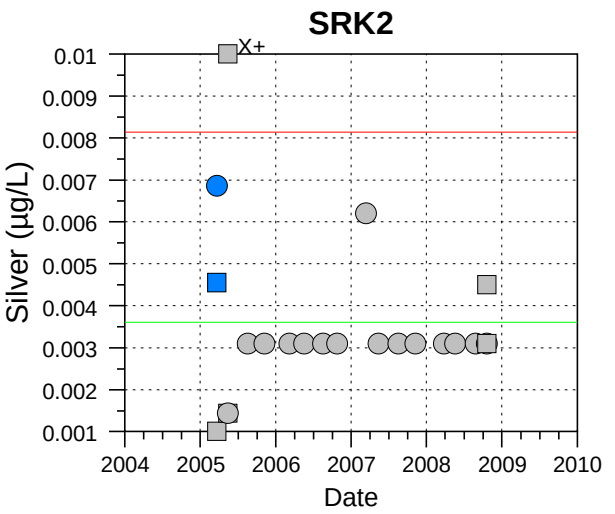
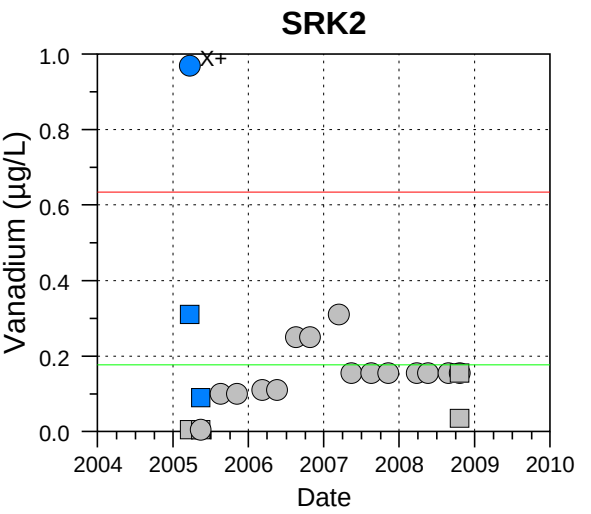












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

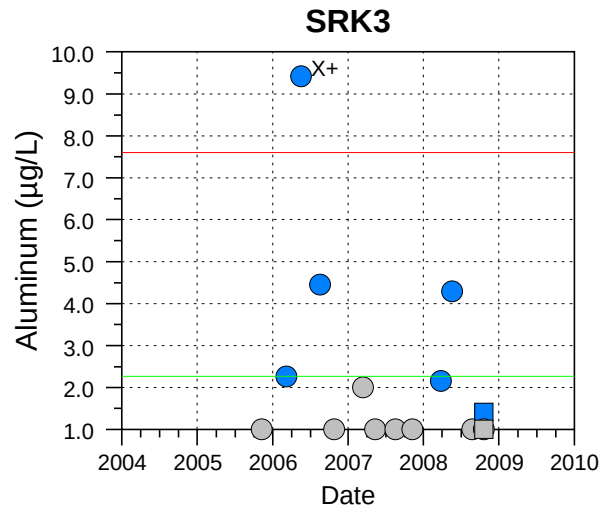
X+ outlier, very high value

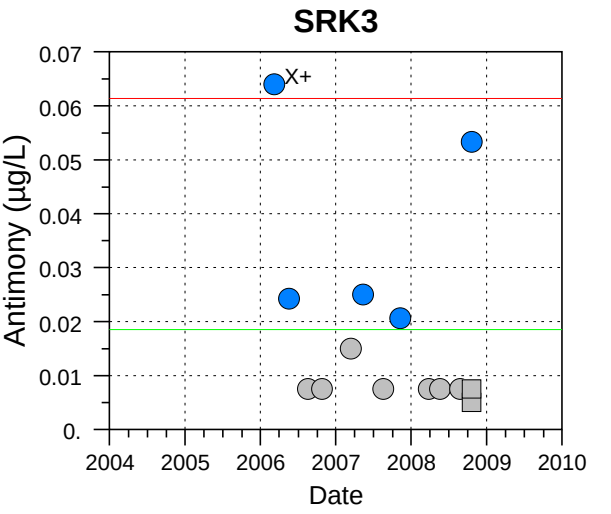
Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
2. Some non detect values were marked as outliers because they were significantly higher than other actual data values, and therefore would have skewed the data analysis.
3. KPP4: Example for monitoring well identification label
4. mg/L= milligrams per liter,
ug/L = micrograms per liter

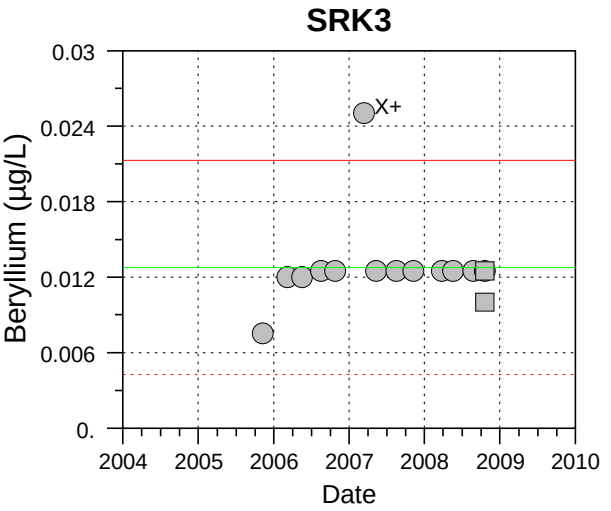
THE pebble PARTNERSHIP

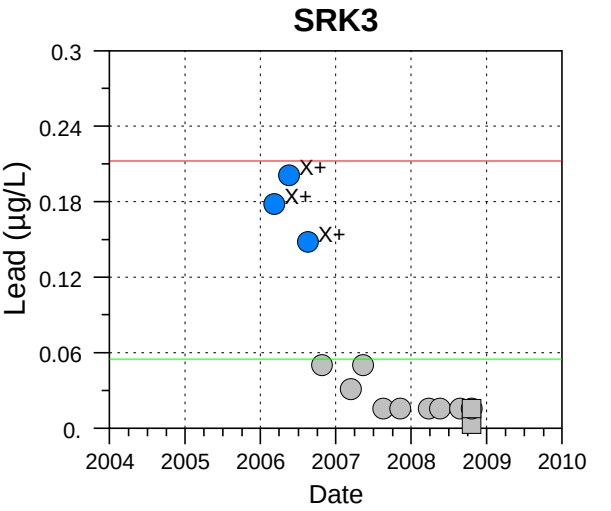
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

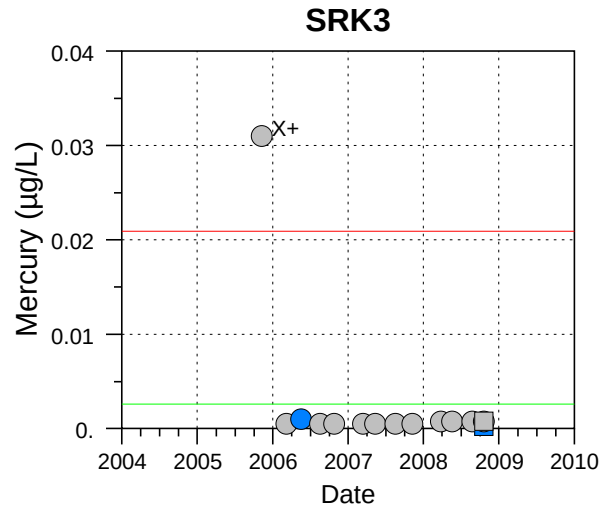
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

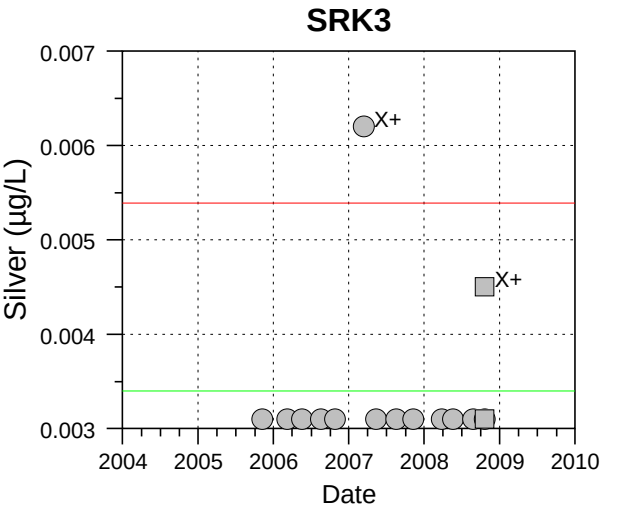












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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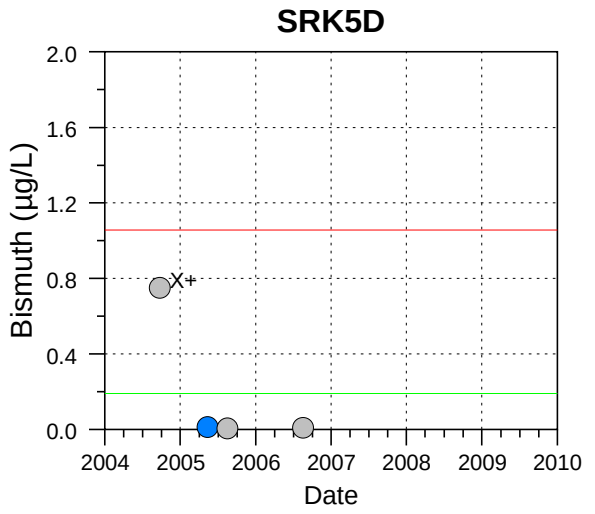
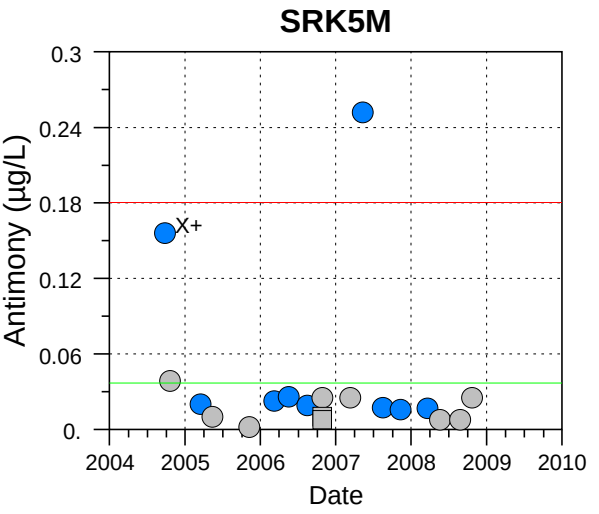
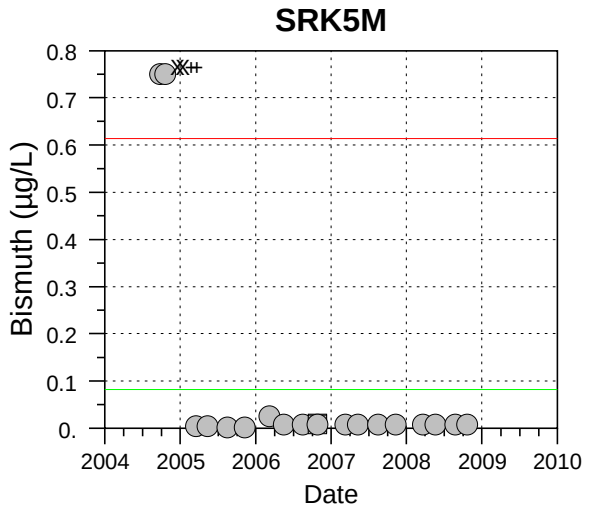
THE pebble PARTNERSHIP

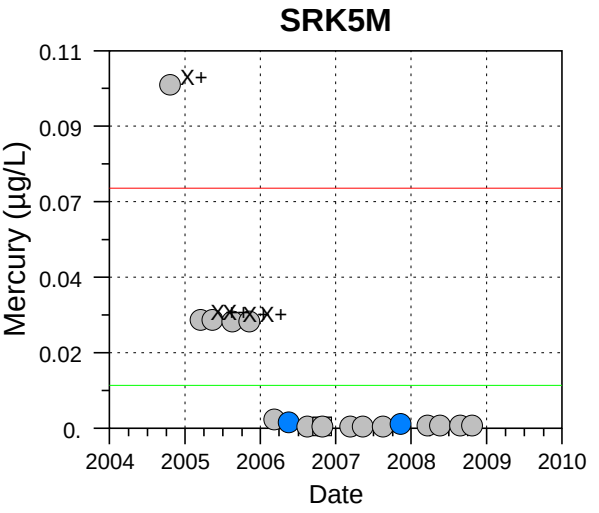
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

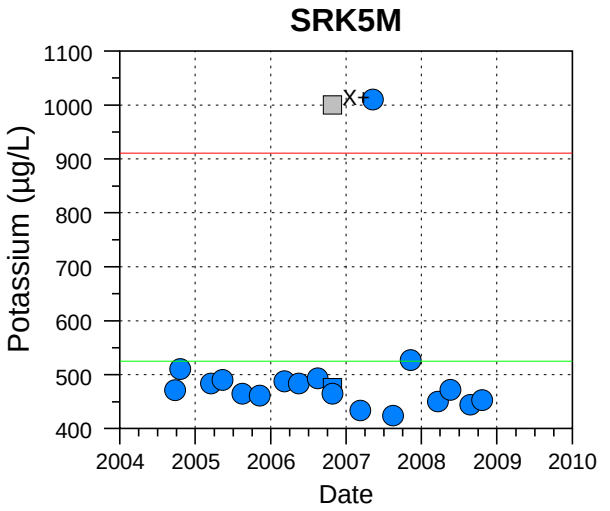
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

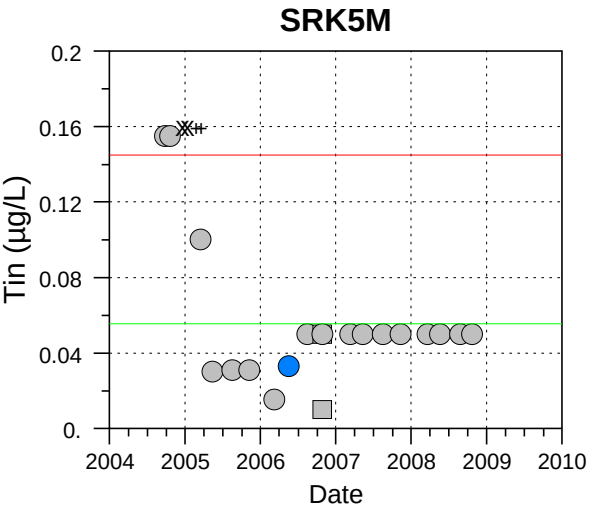












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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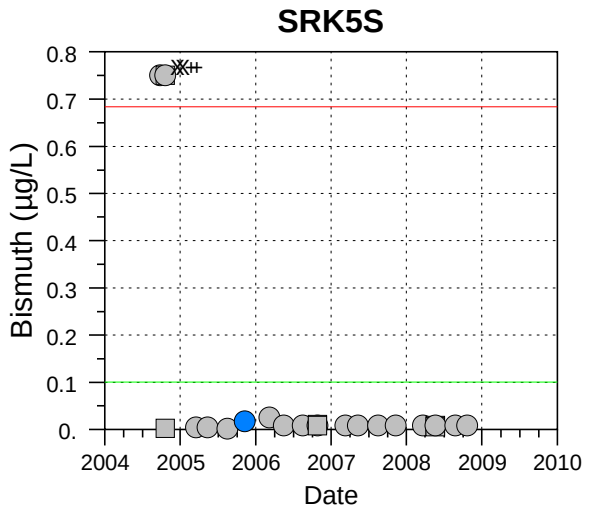
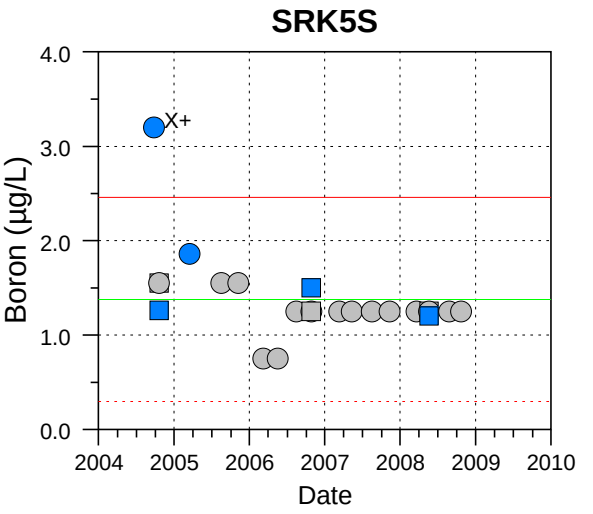
ug/L = micrograms per liter

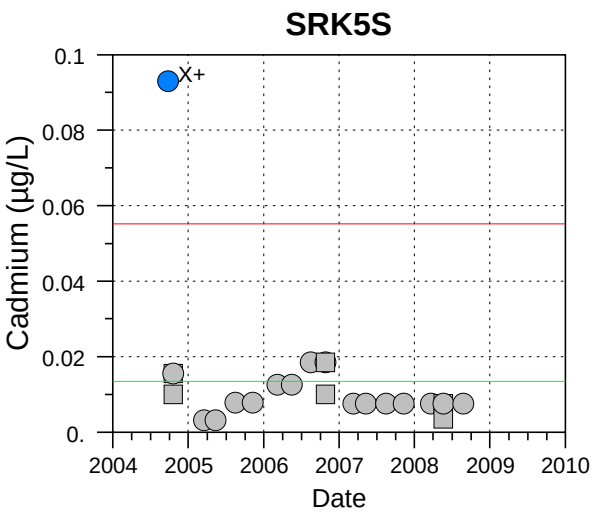
THE pebble PARTNERSHIP

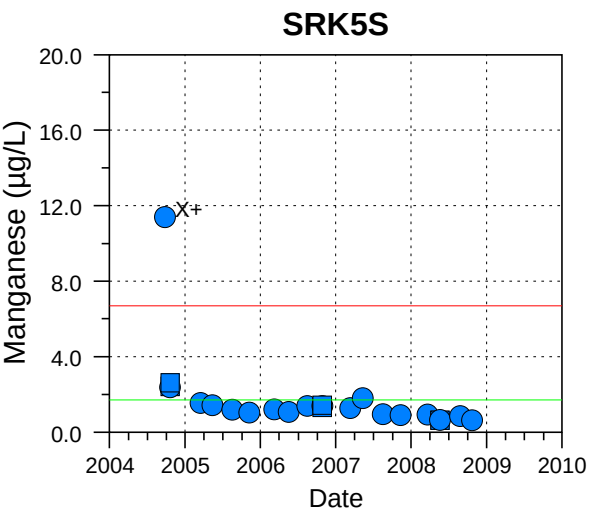
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

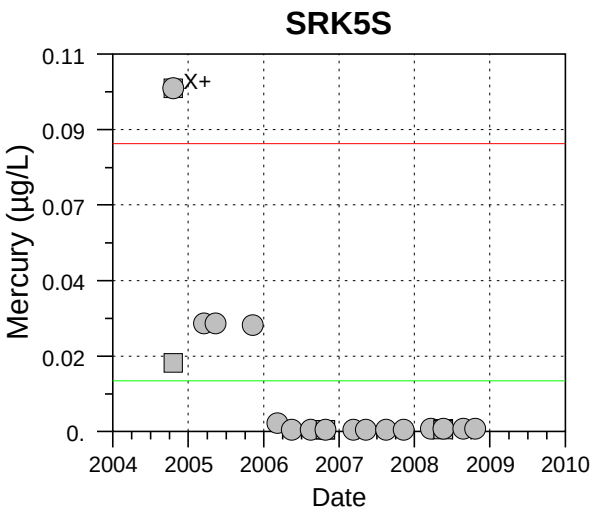
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

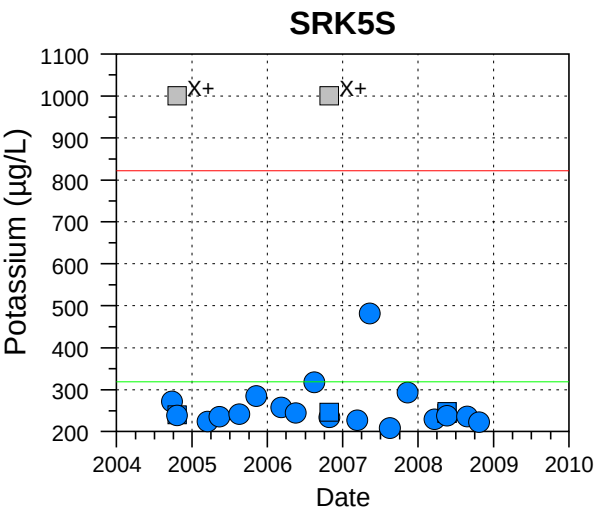












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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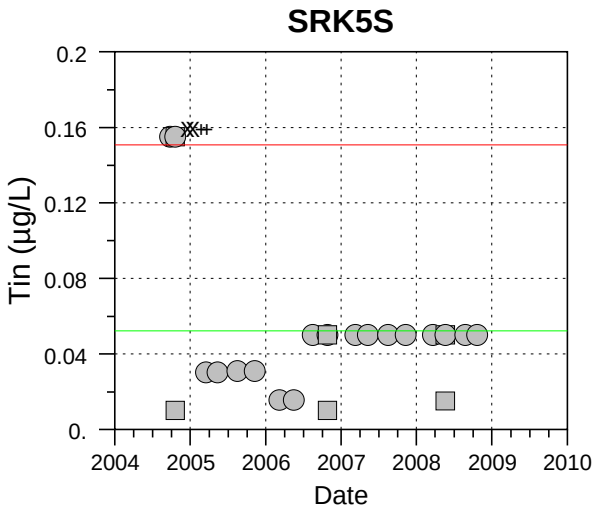
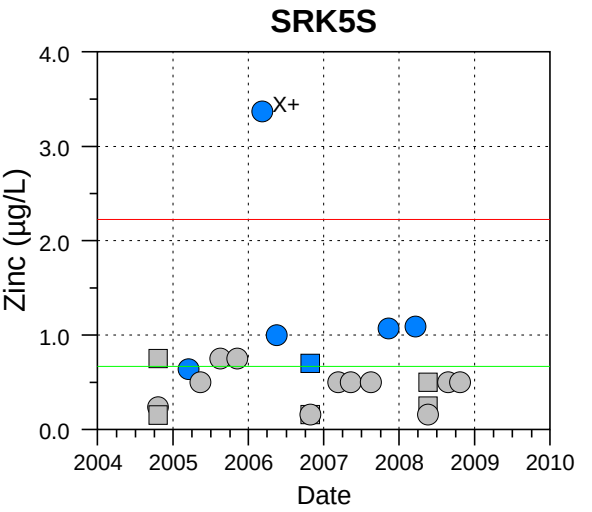
ug/L = micrograms per liter

THE pebble PARTNERSHIP

Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca





Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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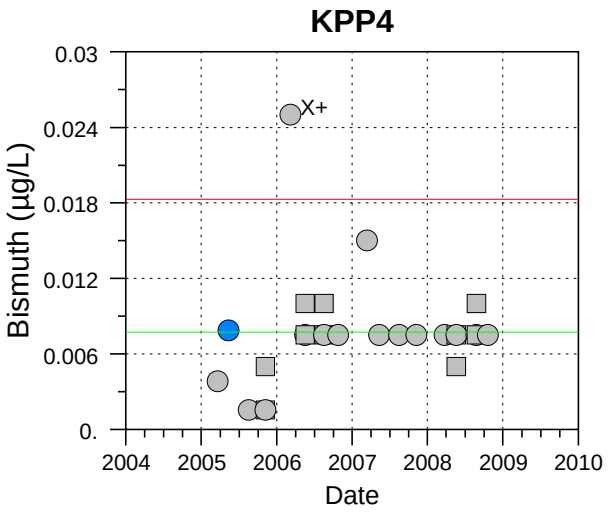
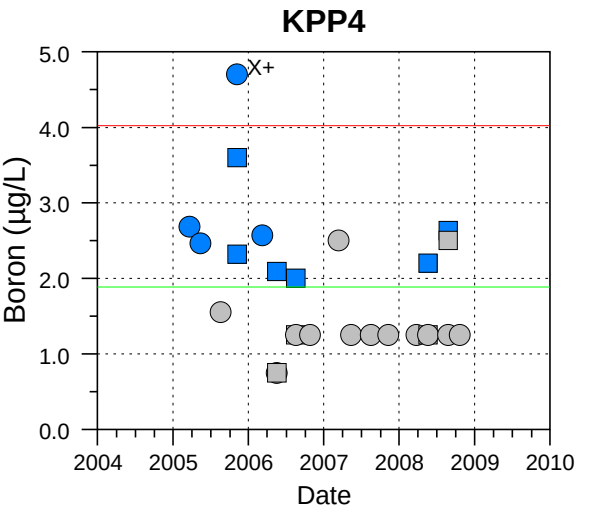
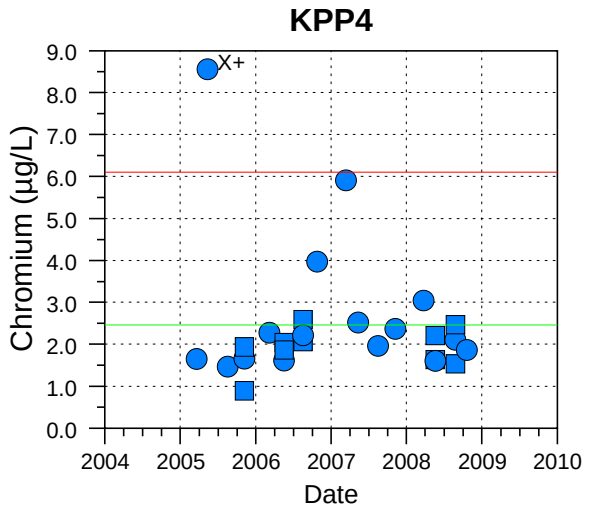
THE pebble PARTNERSHIP

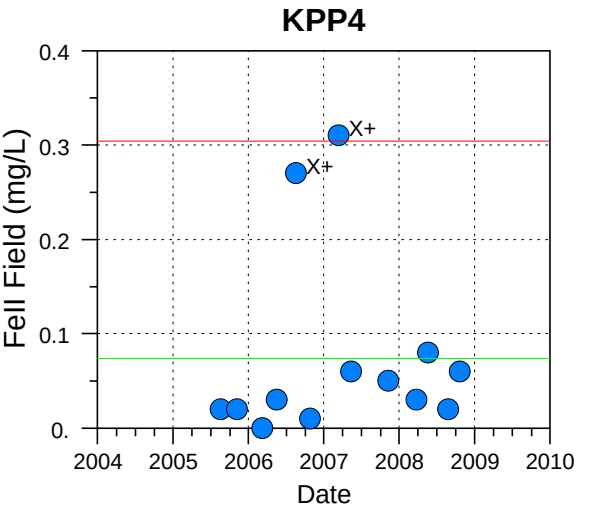
Appendix 9.2C-1
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Dissolved Concentrations

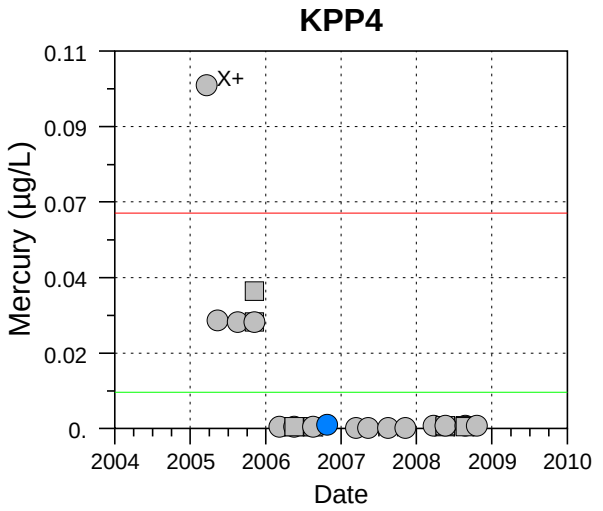
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

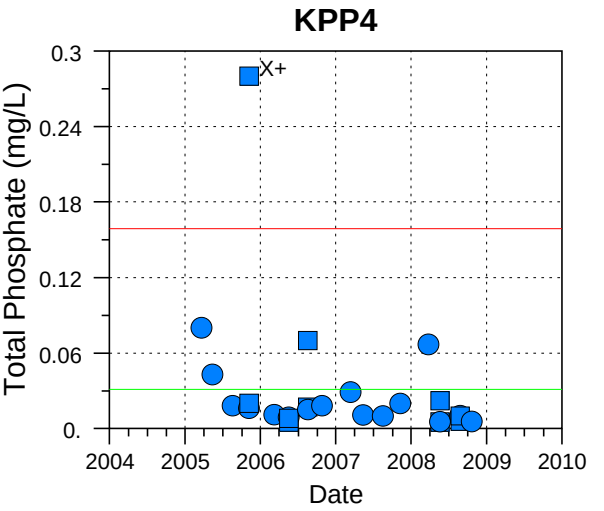












Legend

- Analytical Result
- Quality Control Sample Result
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- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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3. KPP4: Example for monitoring well identification label
4. mg/L= milligrams per liter,
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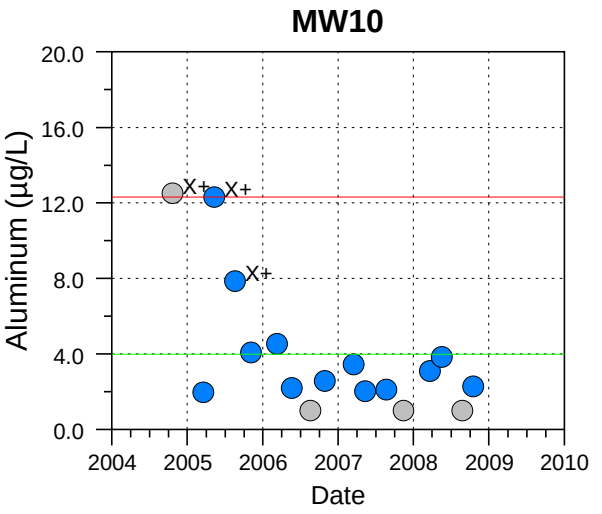
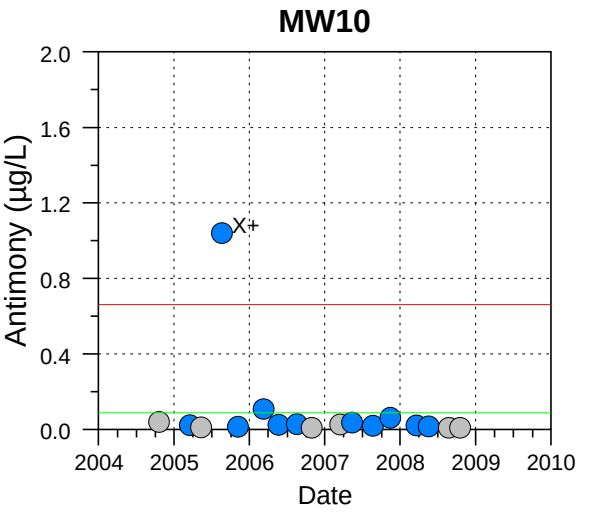
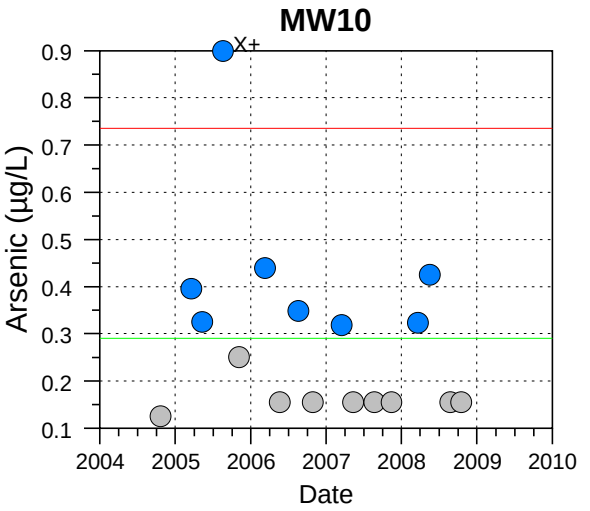
THE pebble PARTNERSHIP

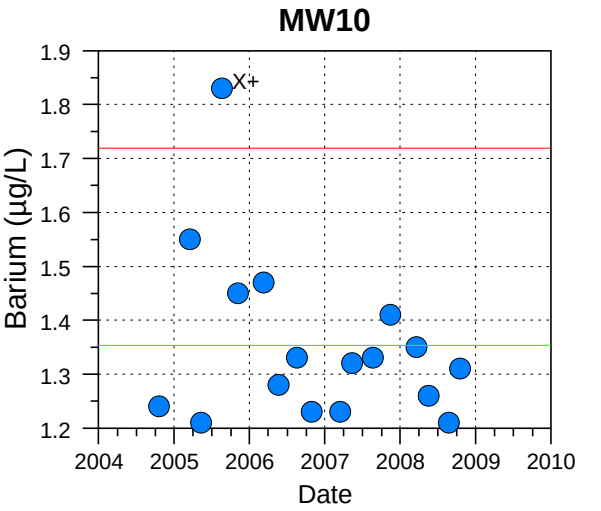
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

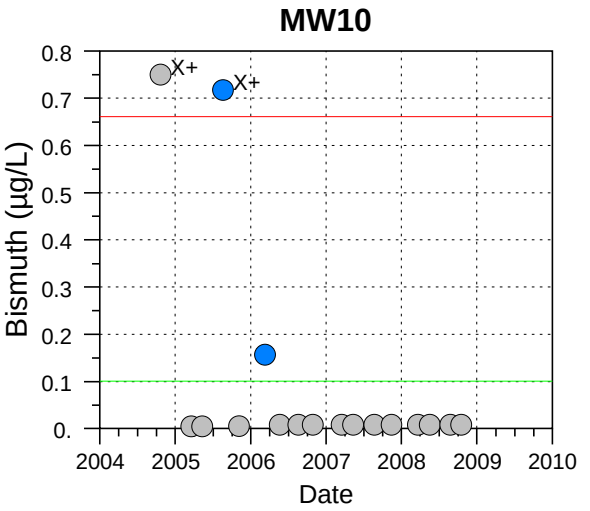
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

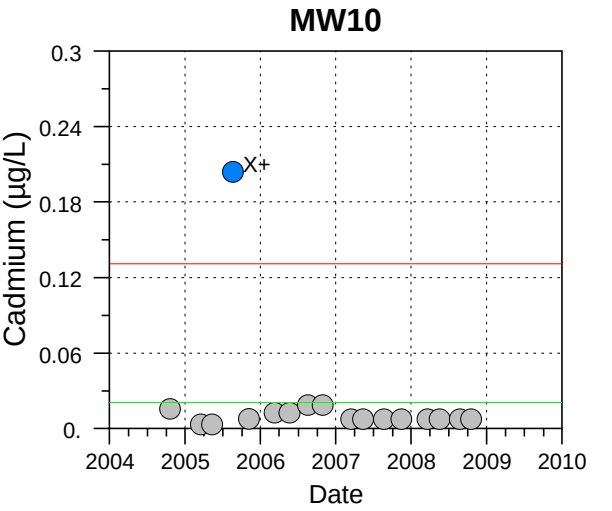












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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ug/L = micrograms per liter

THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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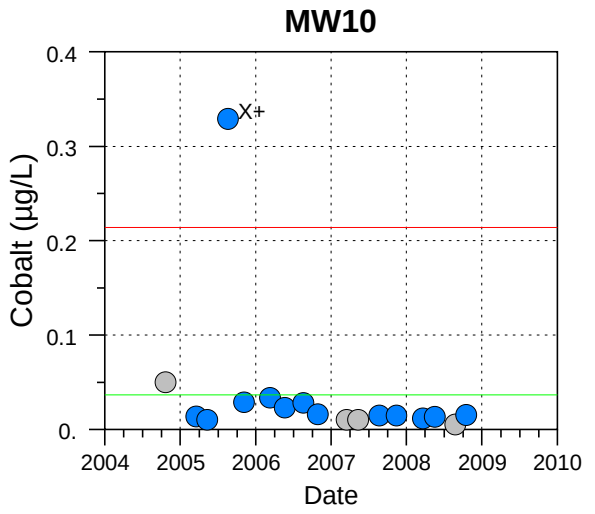

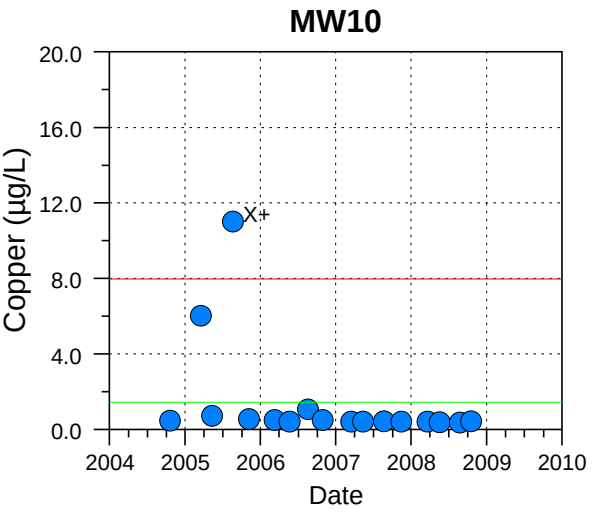

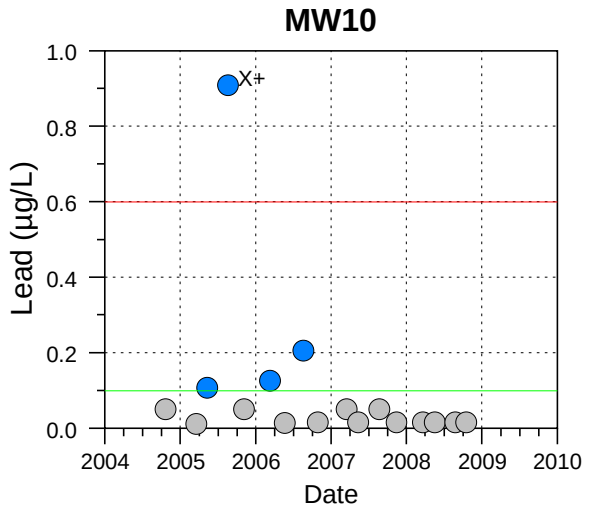

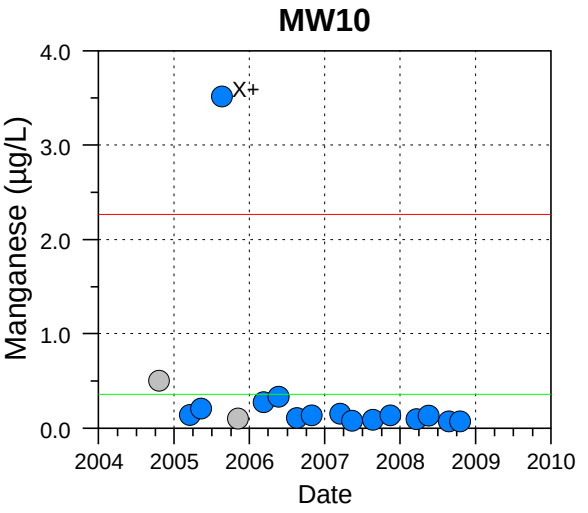

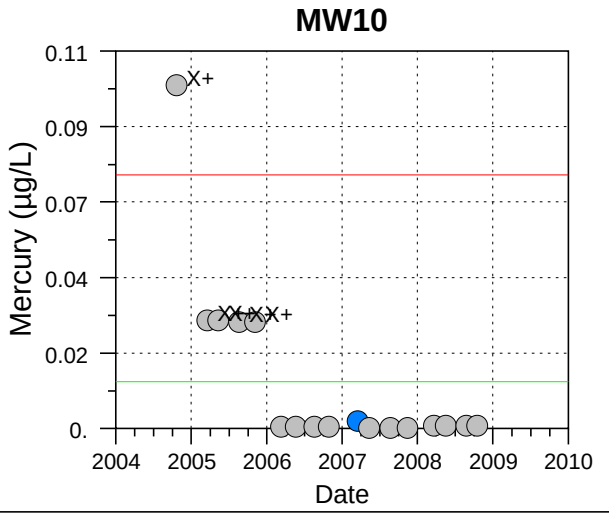

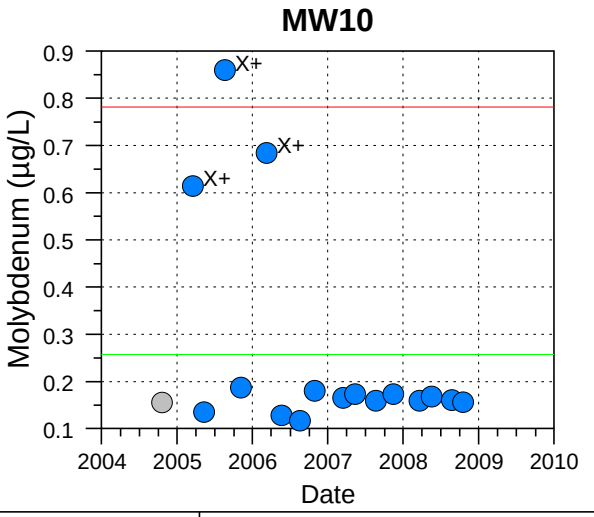

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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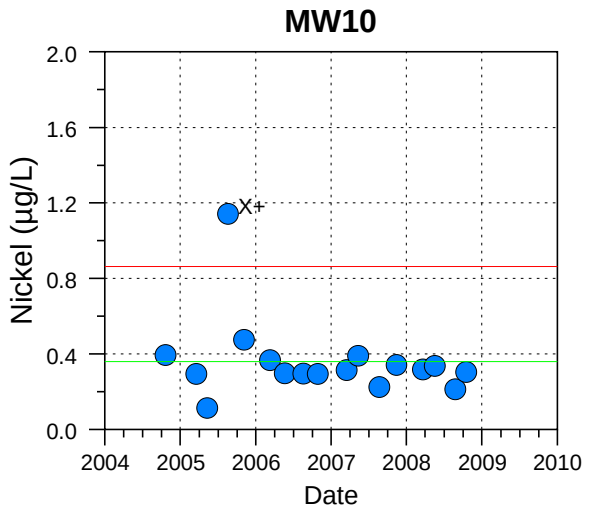
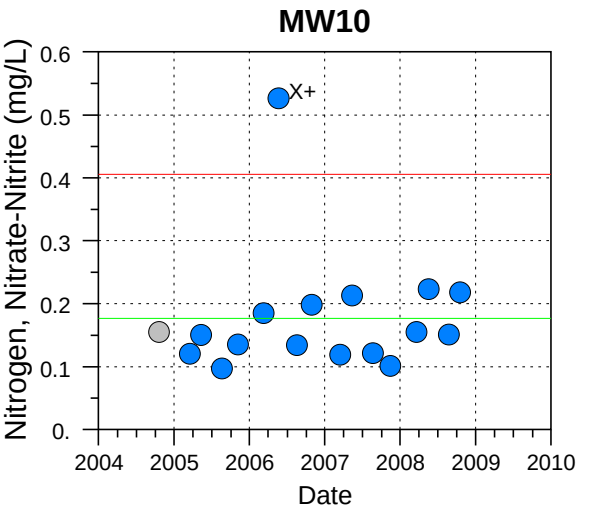
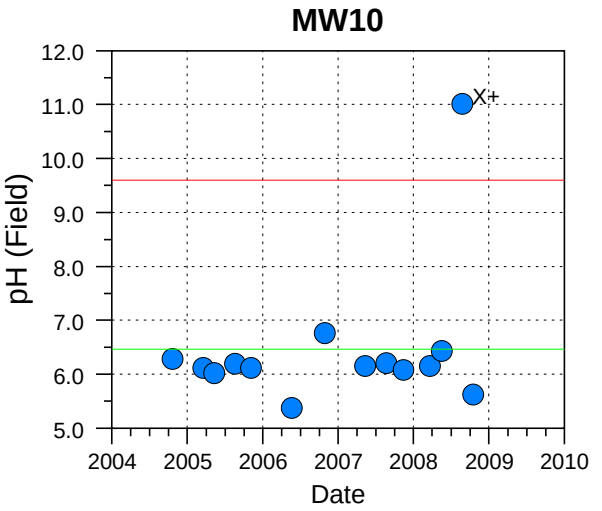
THE pebble PARTNERSHIP

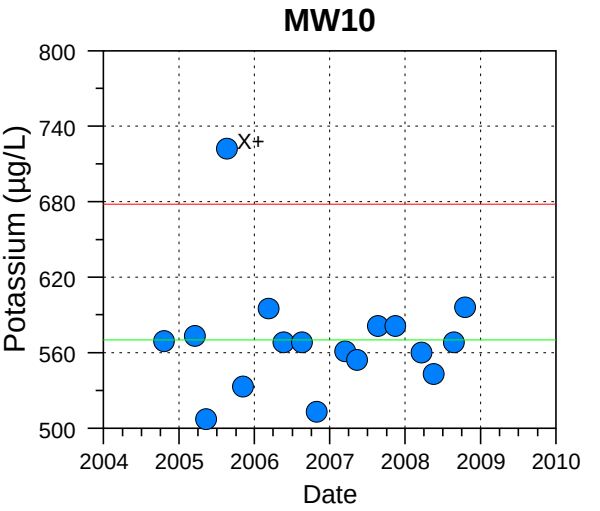
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

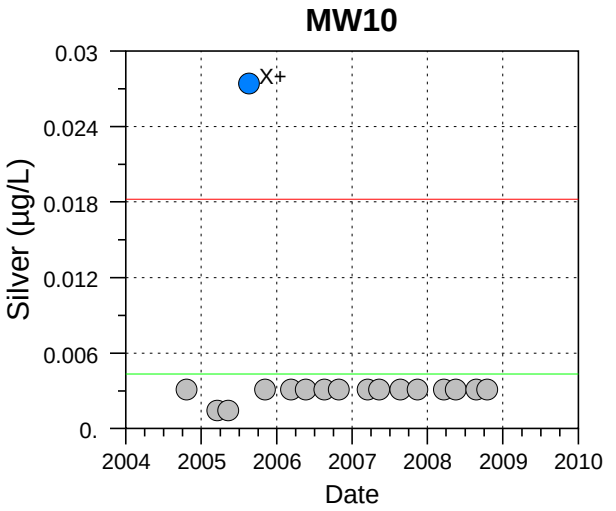
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

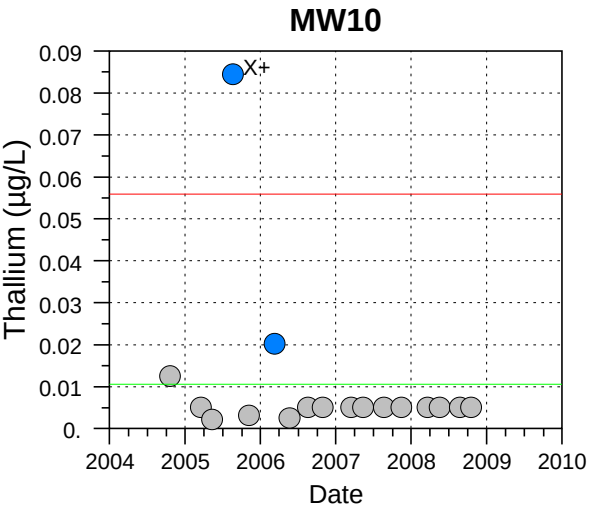












Legend

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X+ outlier, very high value

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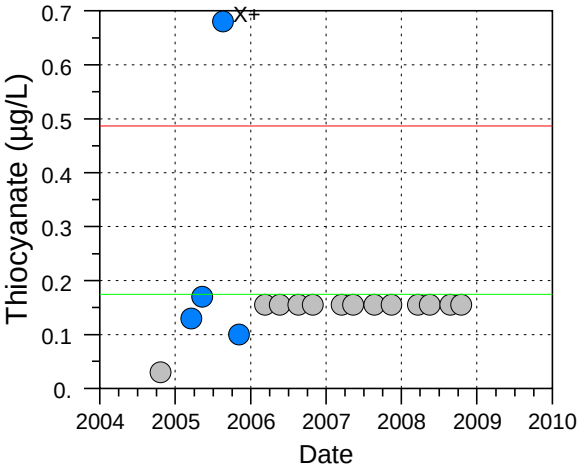
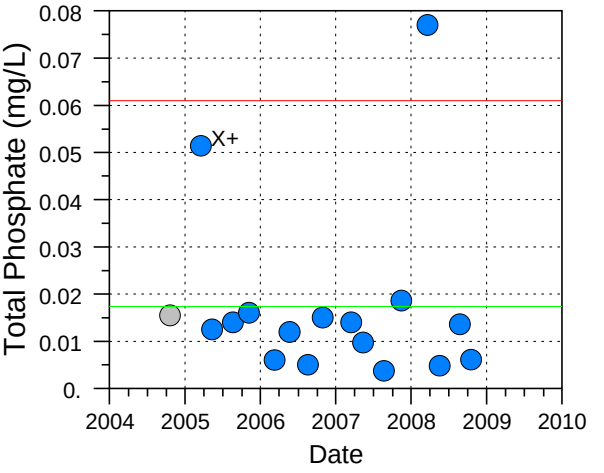
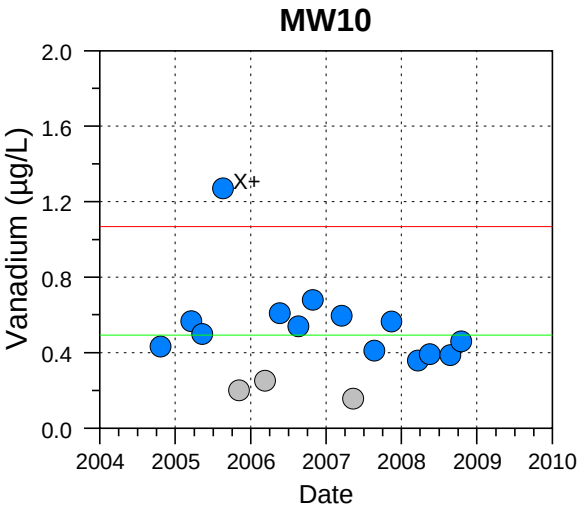
THE pebble PARTNERSHIP

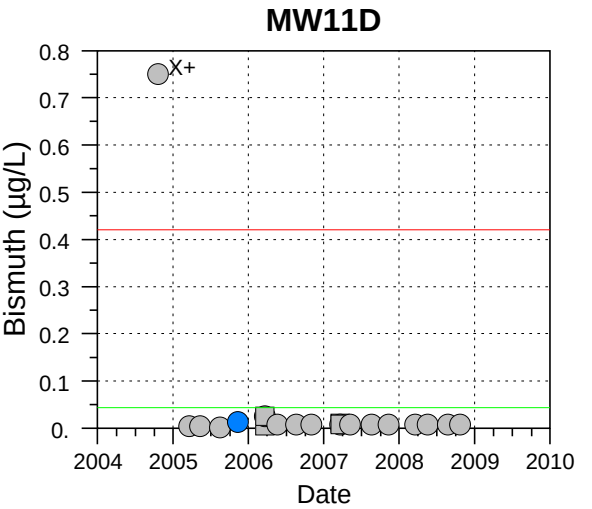
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

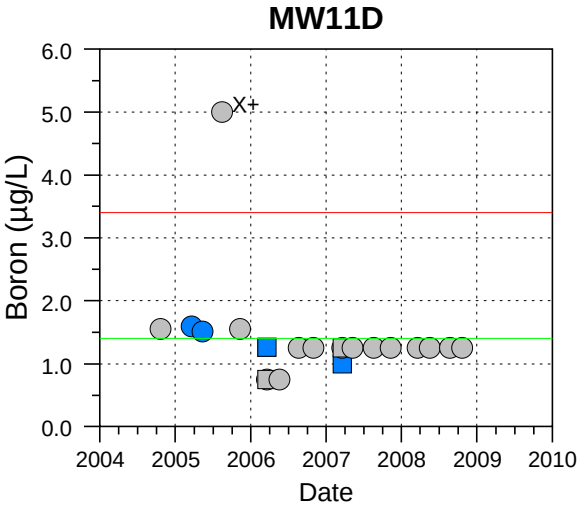
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

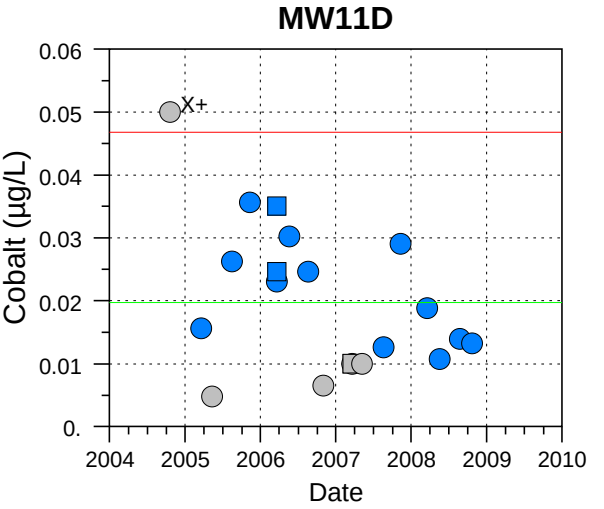












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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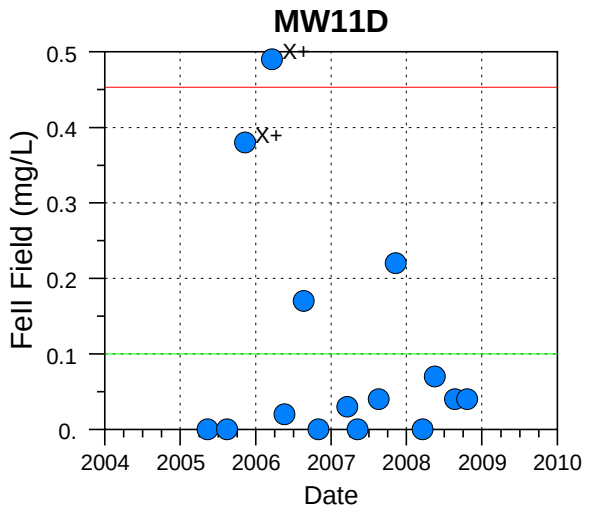

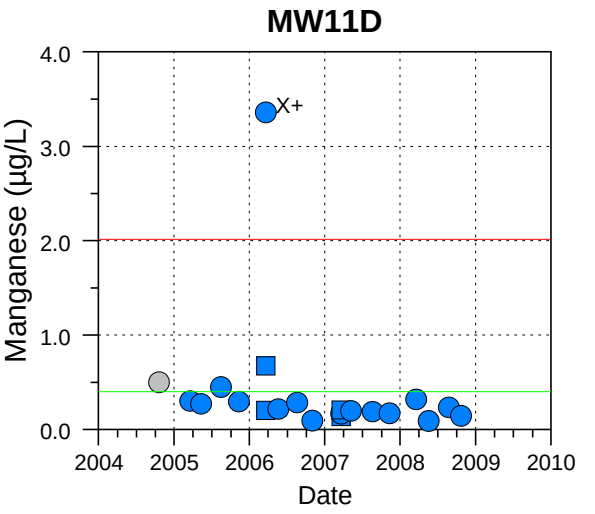

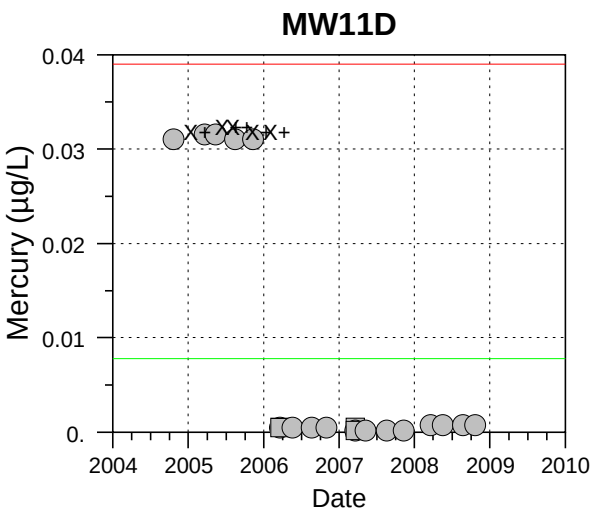

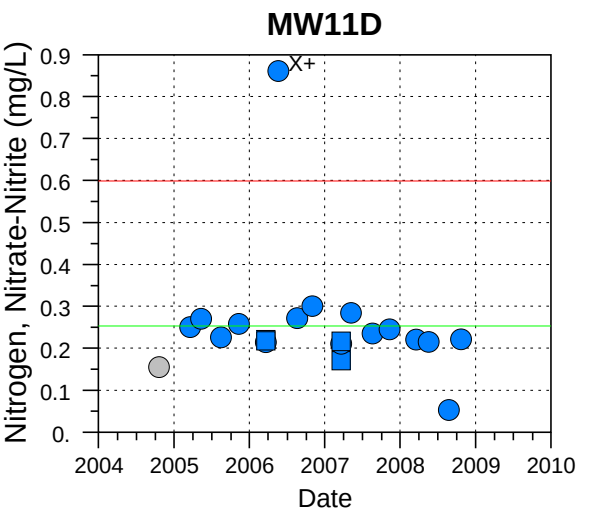

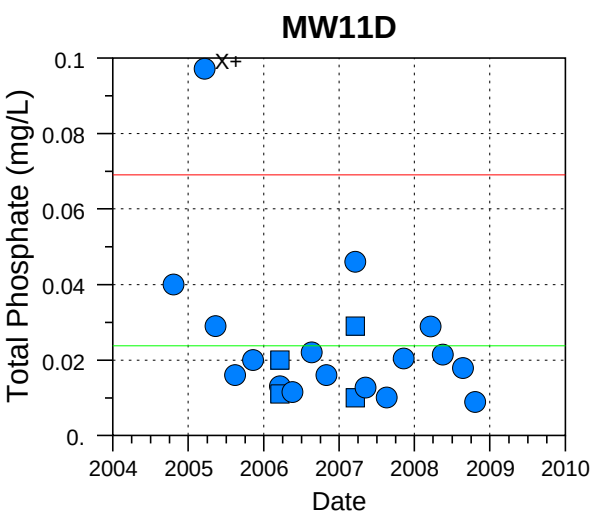

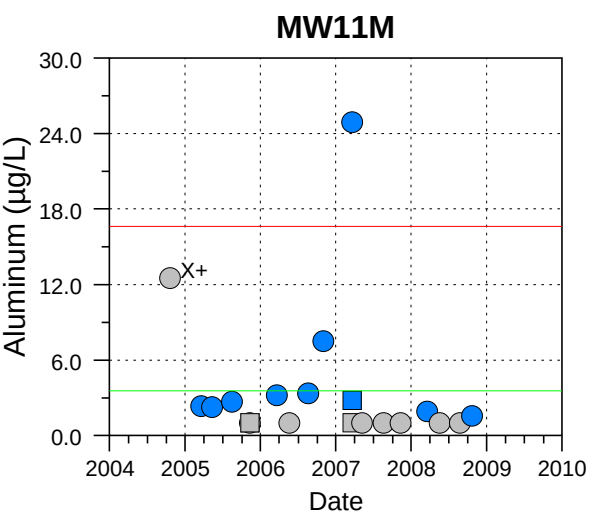

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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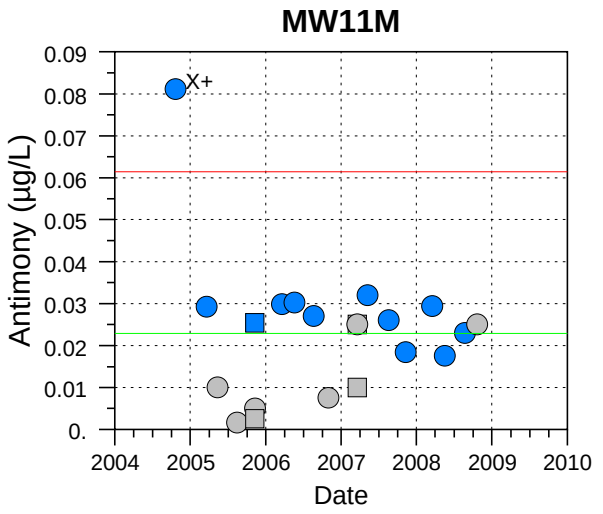

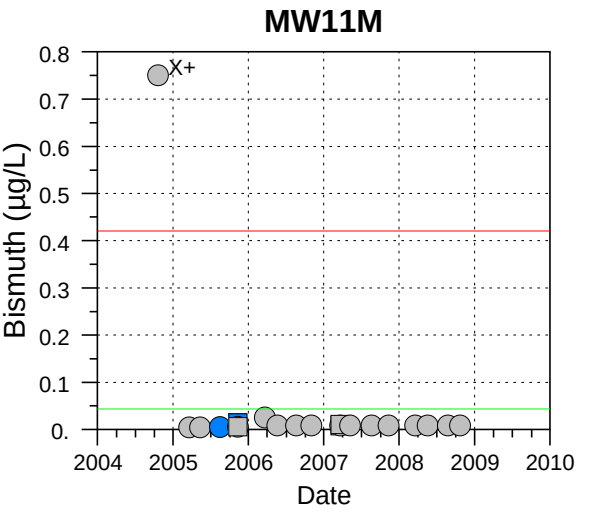

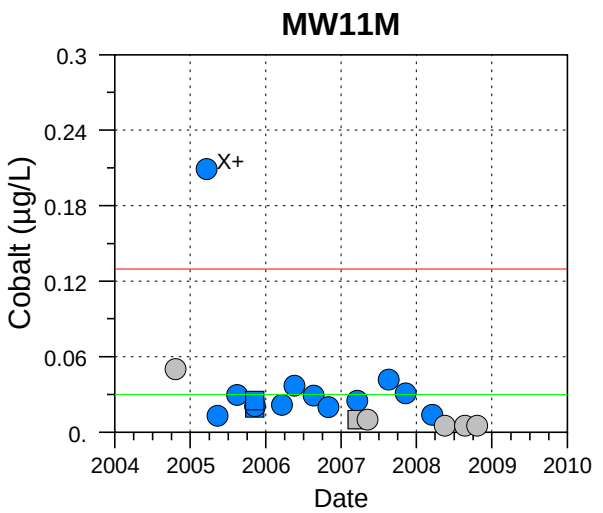

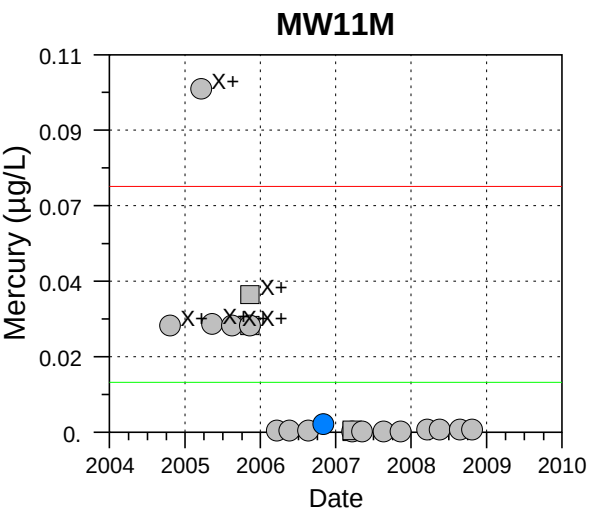

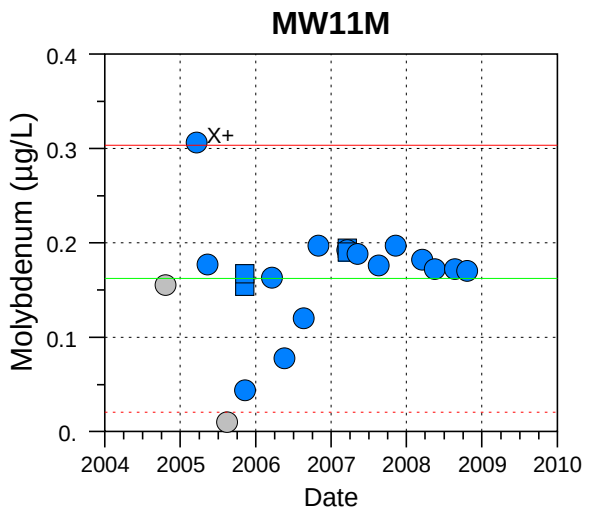

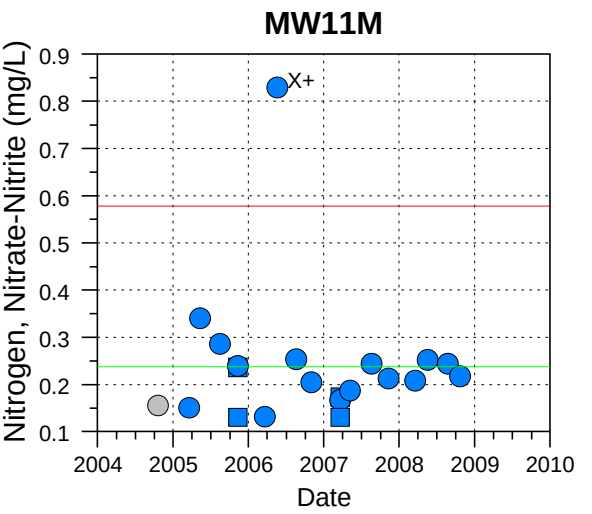

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

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Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
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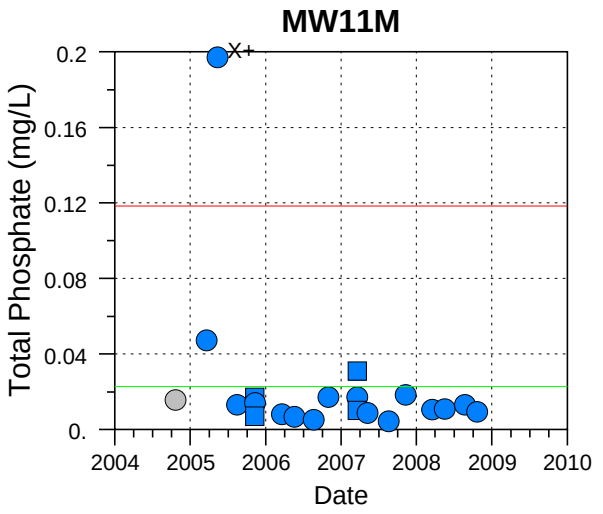

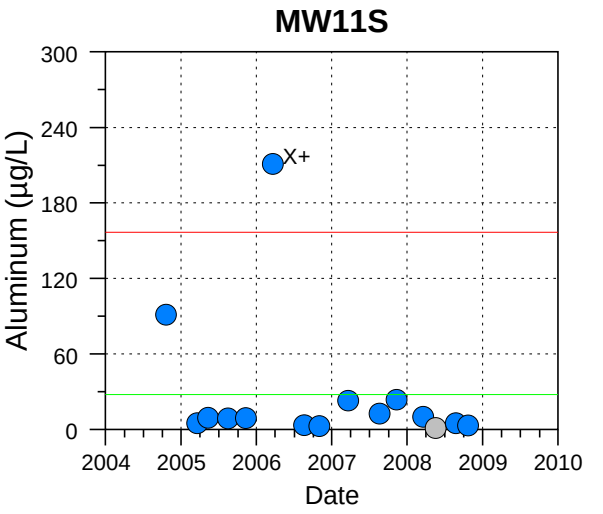

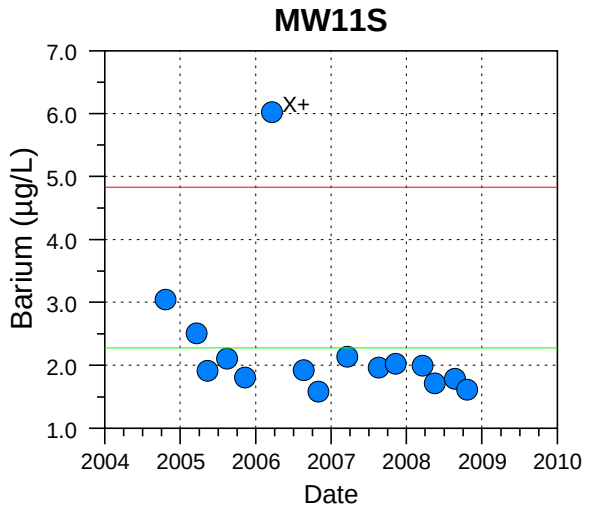

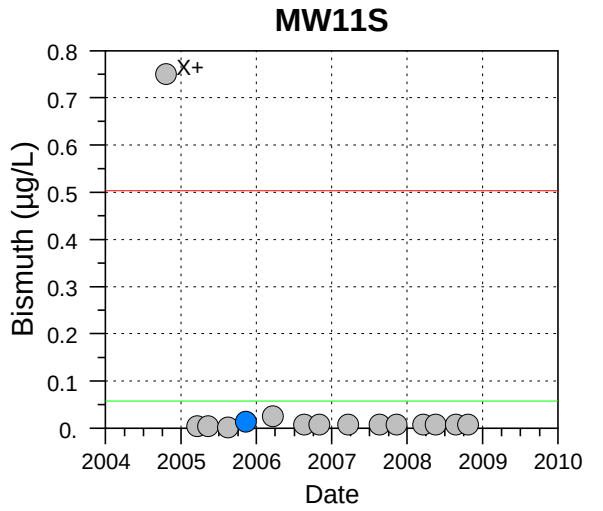

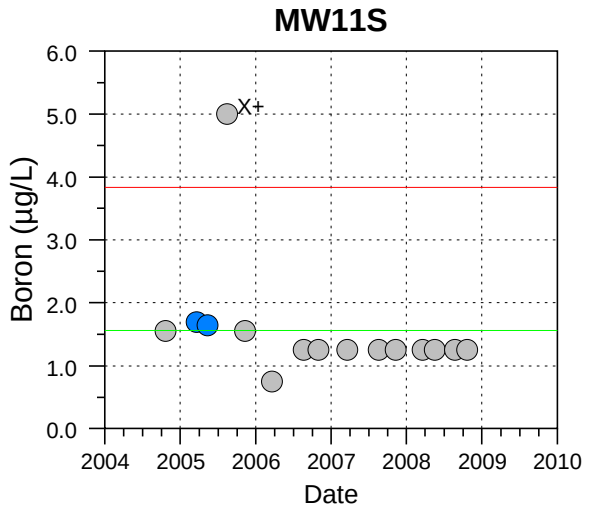

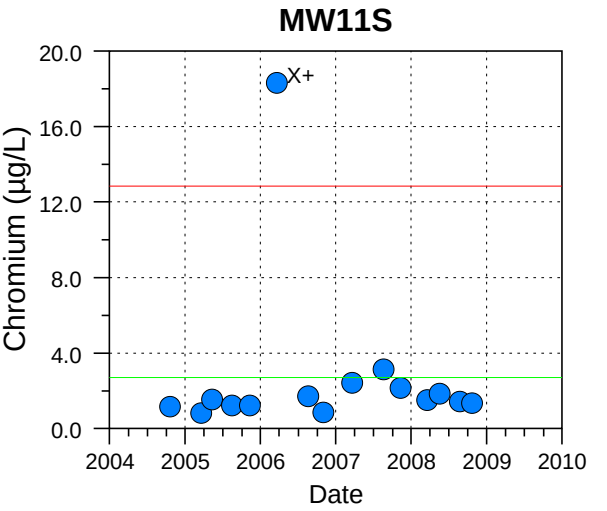

Legend

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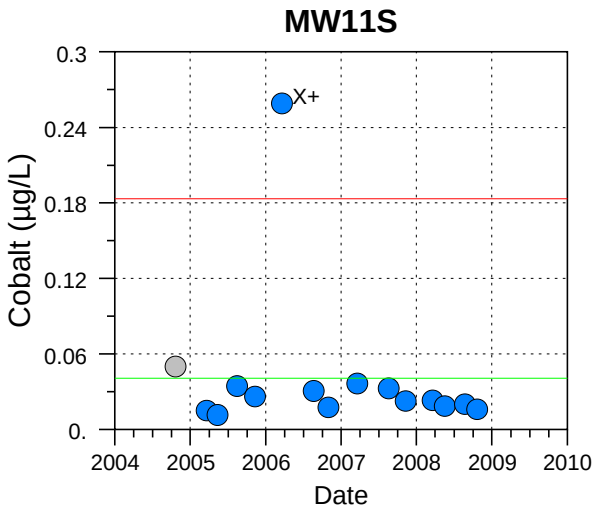

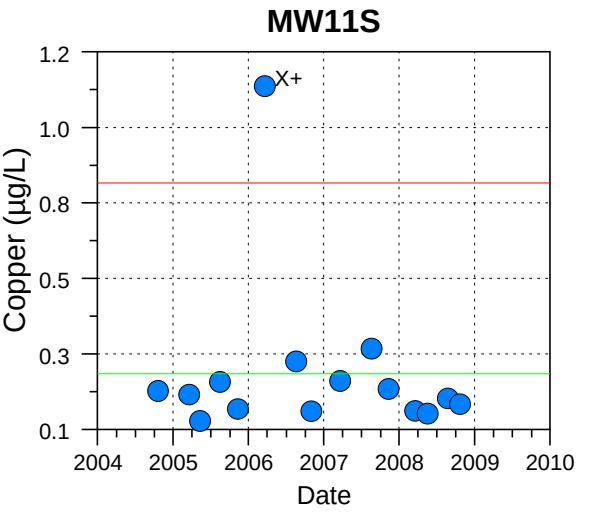

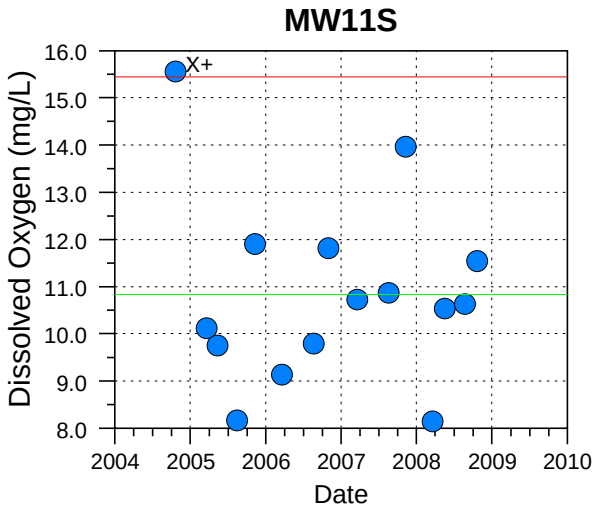

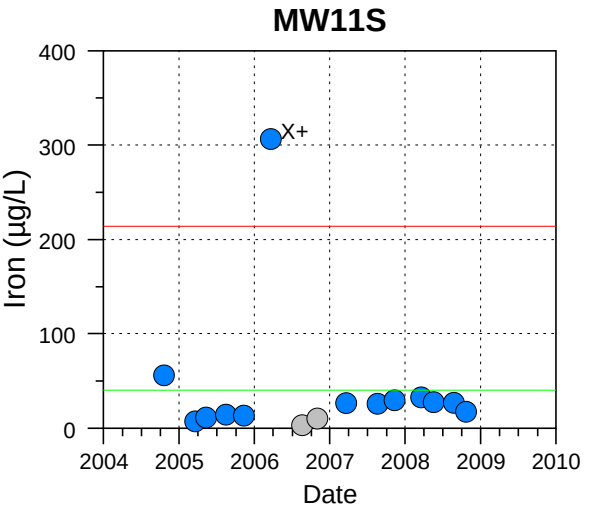

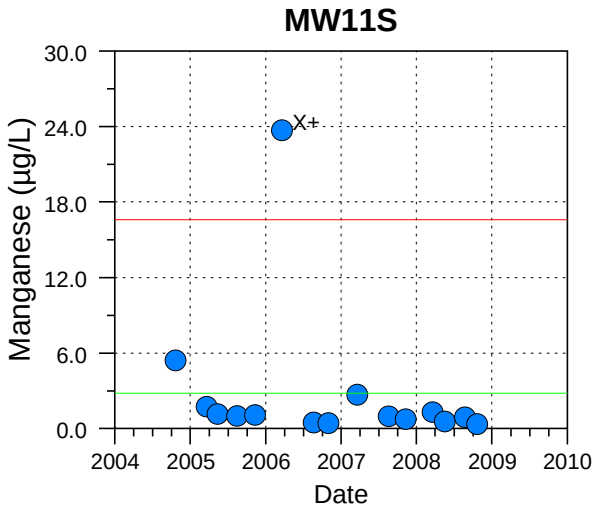

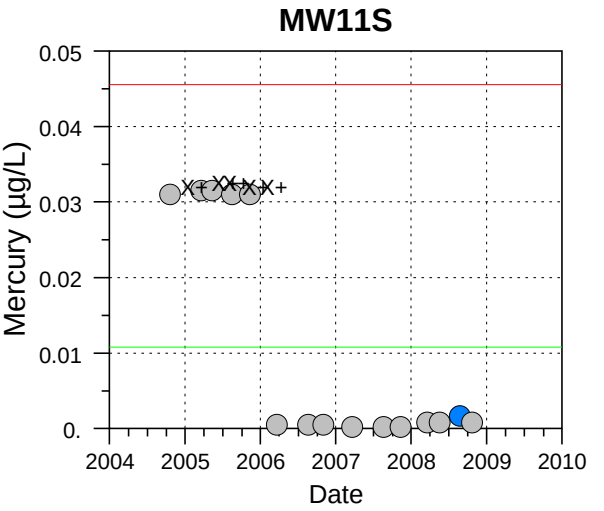

Legend

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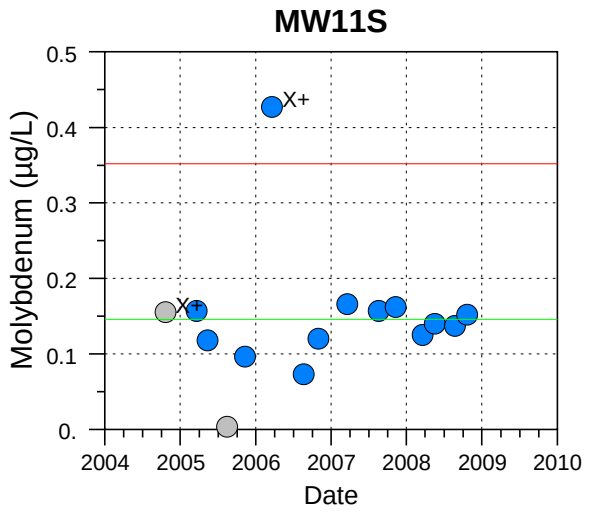

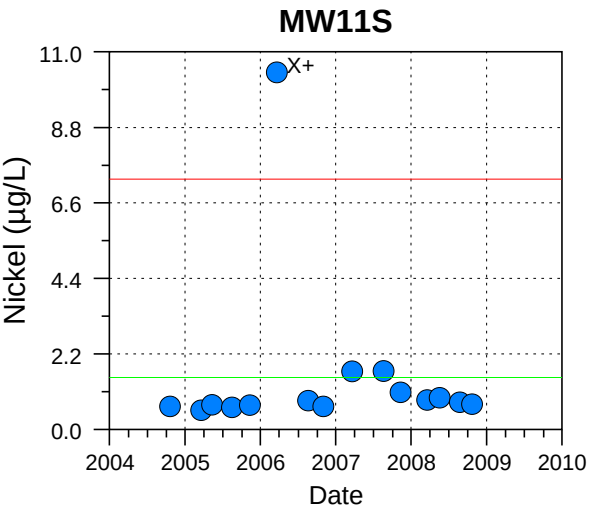

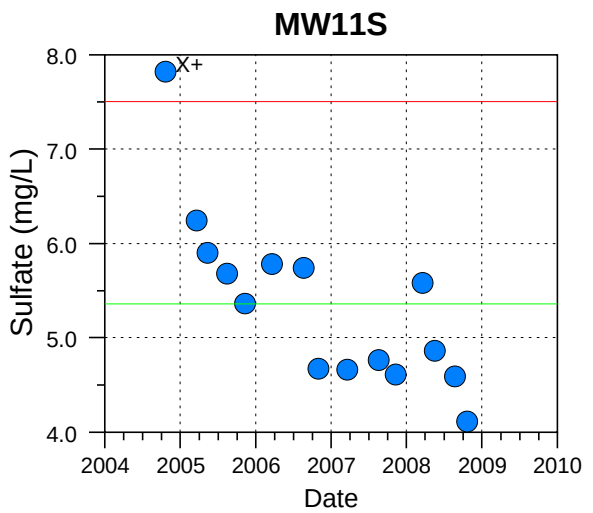

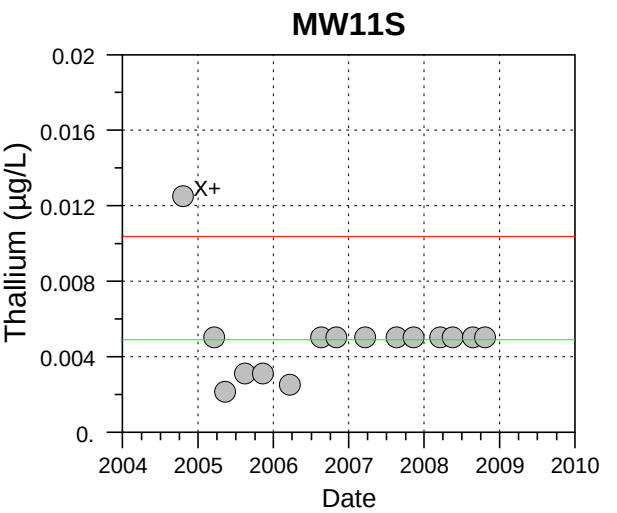

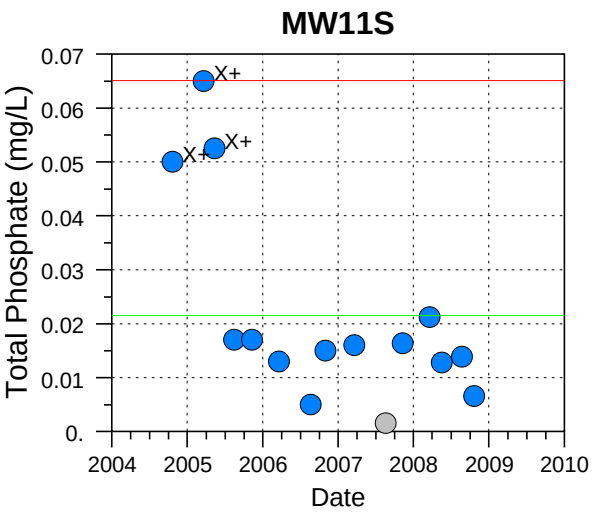

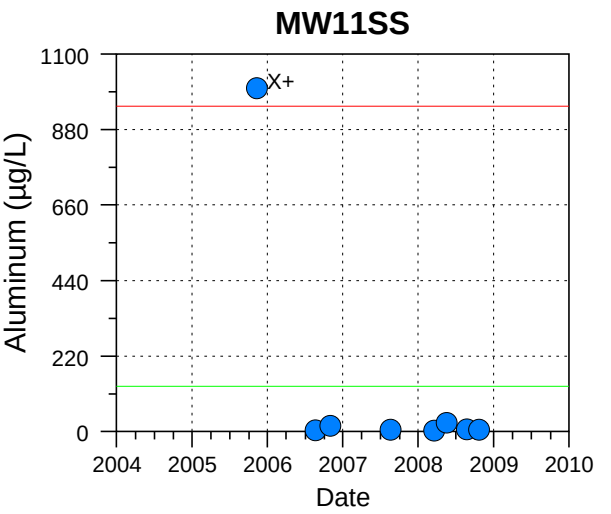

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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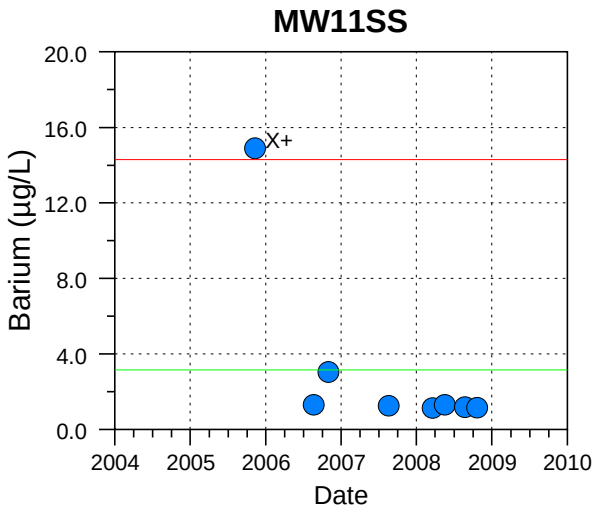

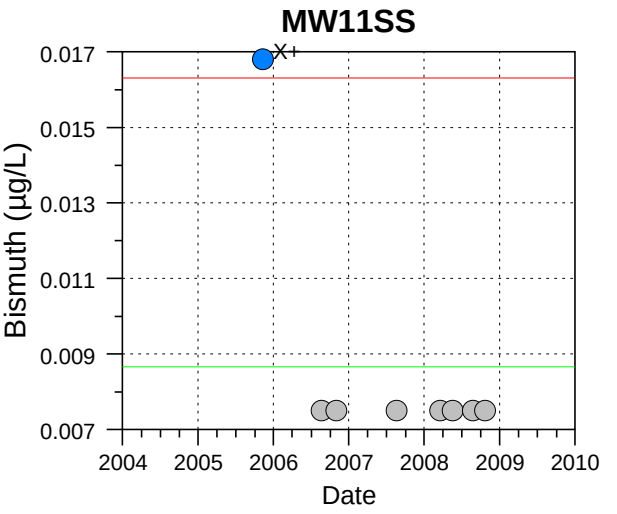

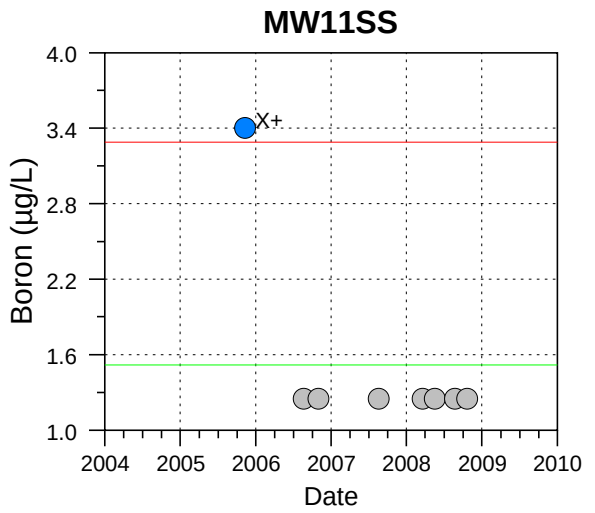

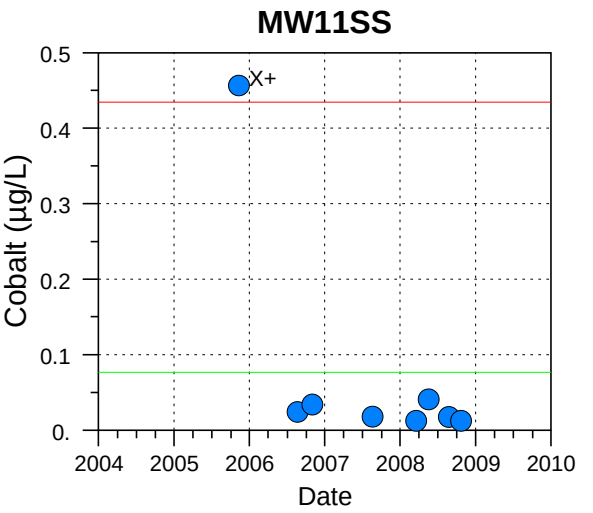

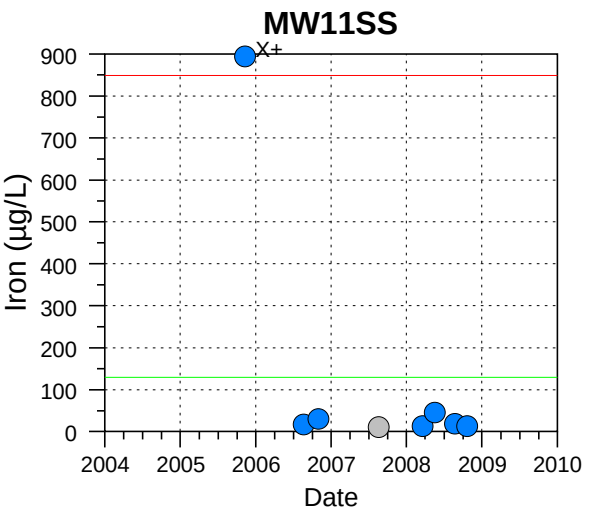

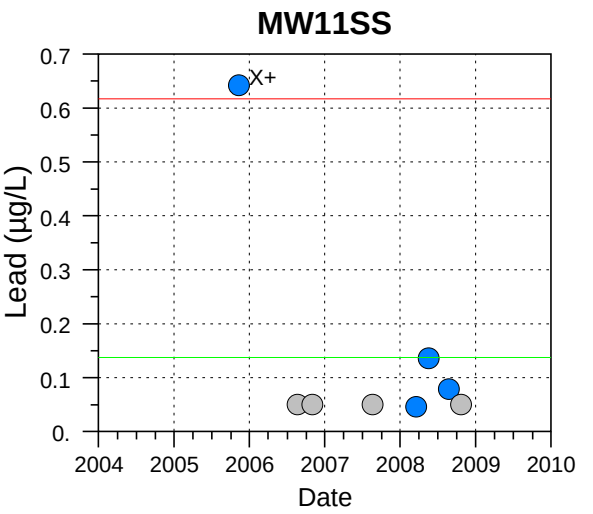

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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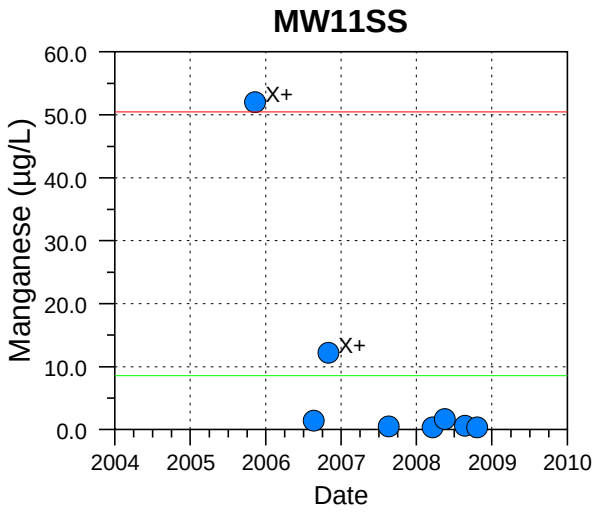

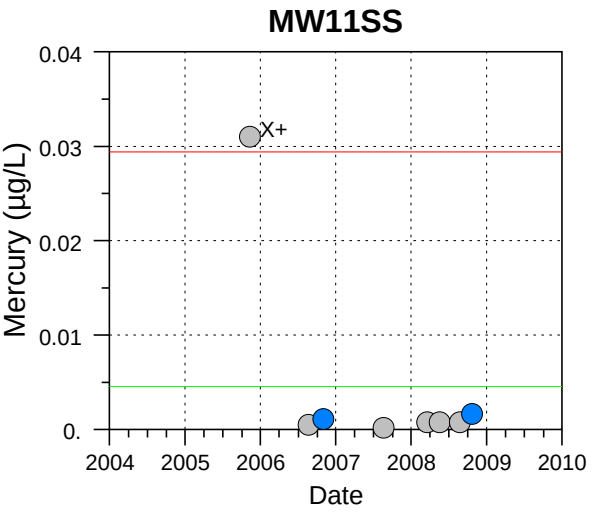

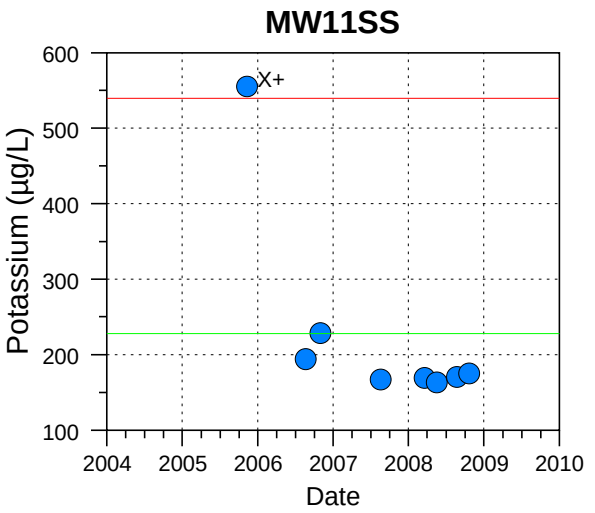

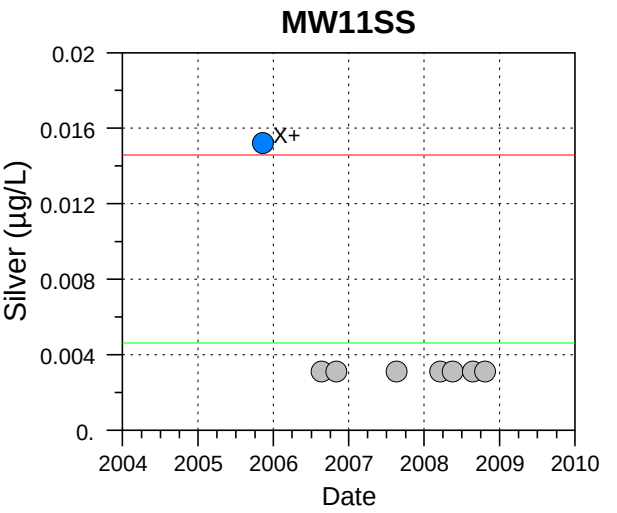

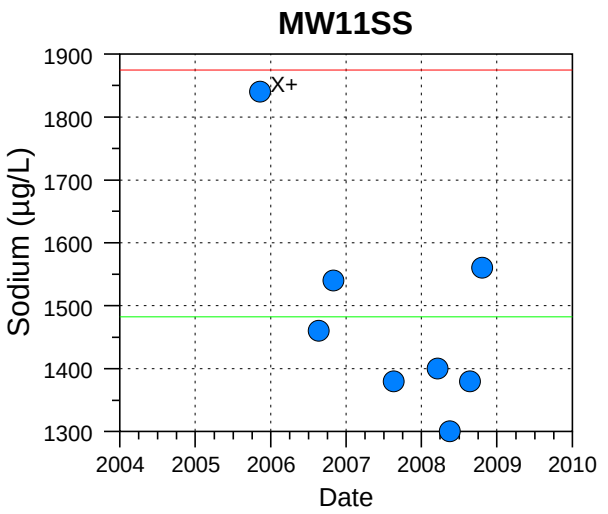

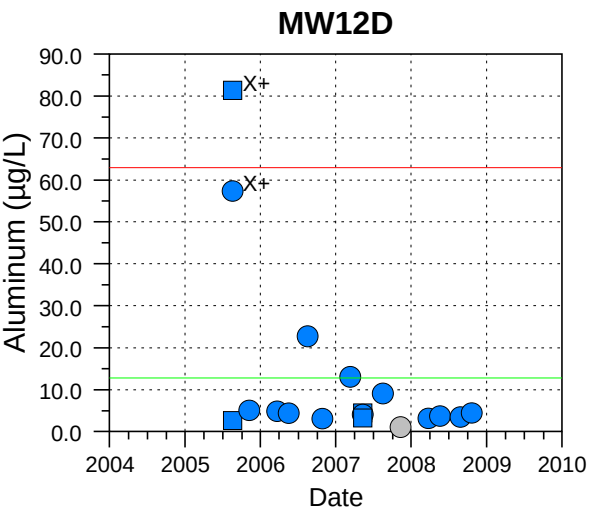

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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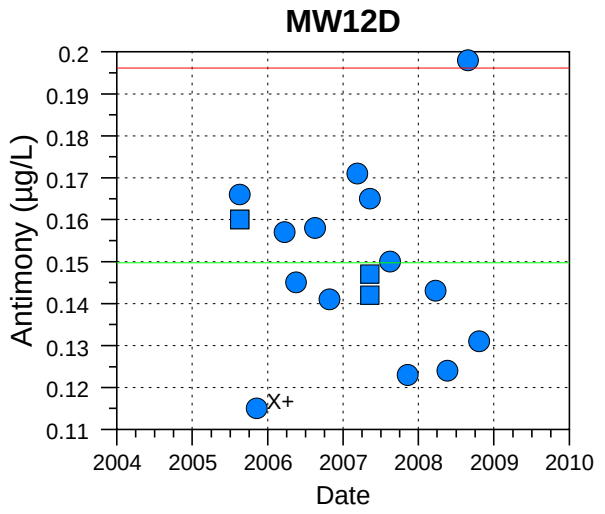
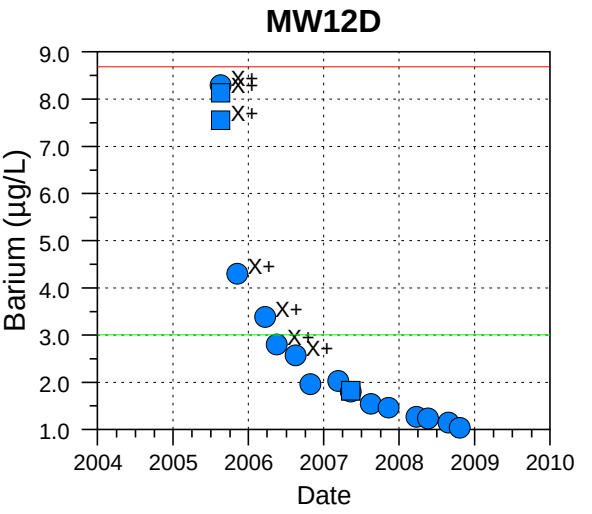
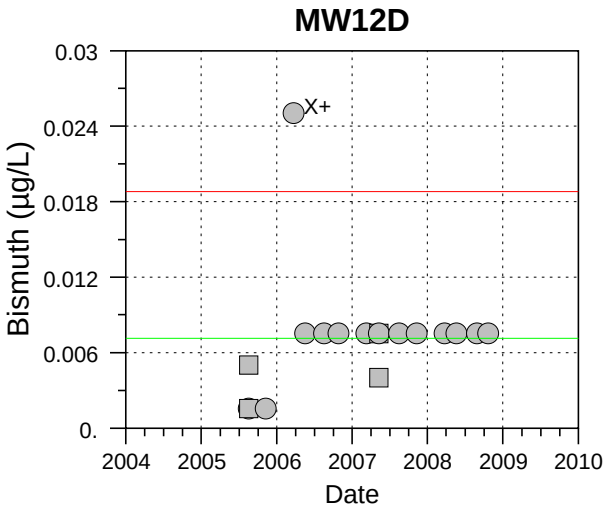
THE pebble PARTNERSHIP

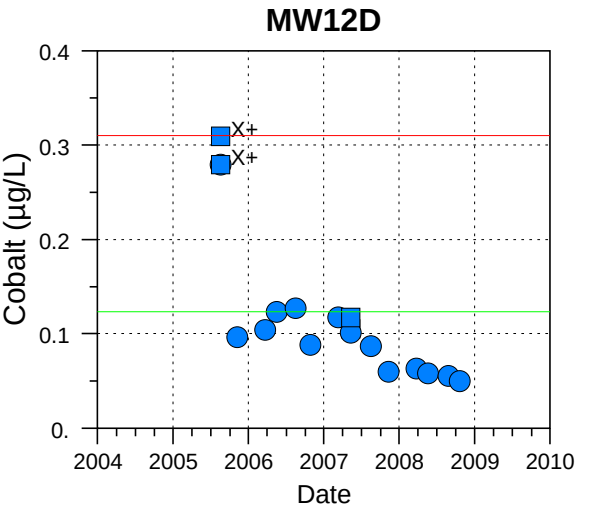
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

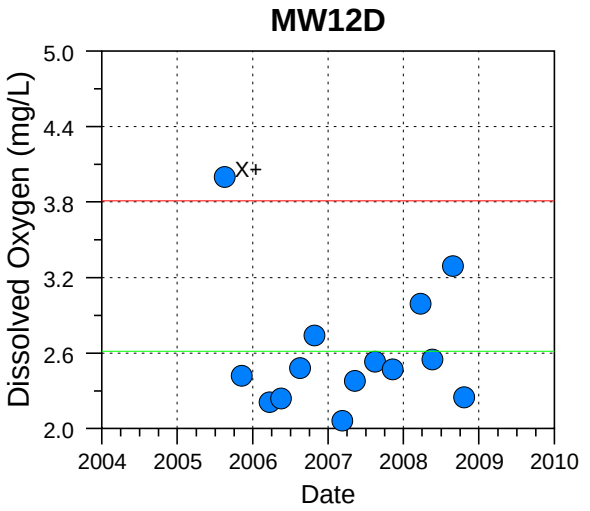
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

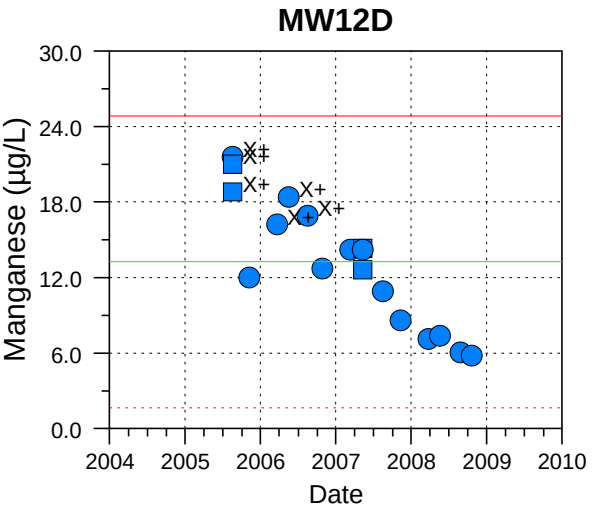












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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Appendix 9.2C-2
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Total Concentrations

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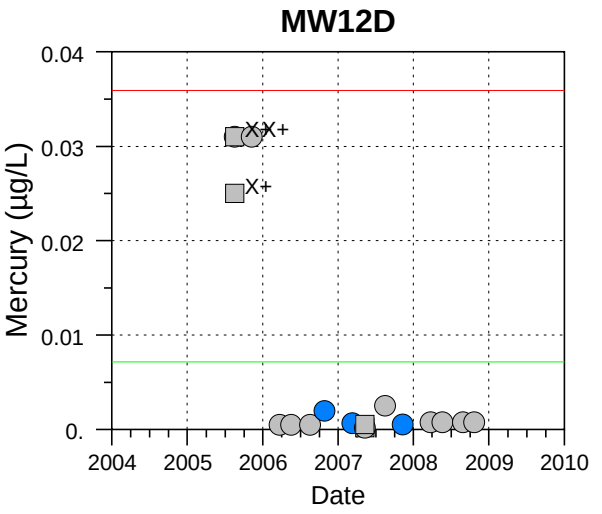

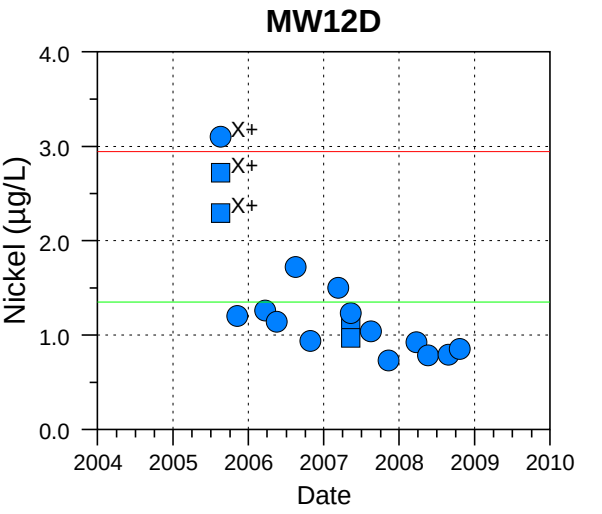

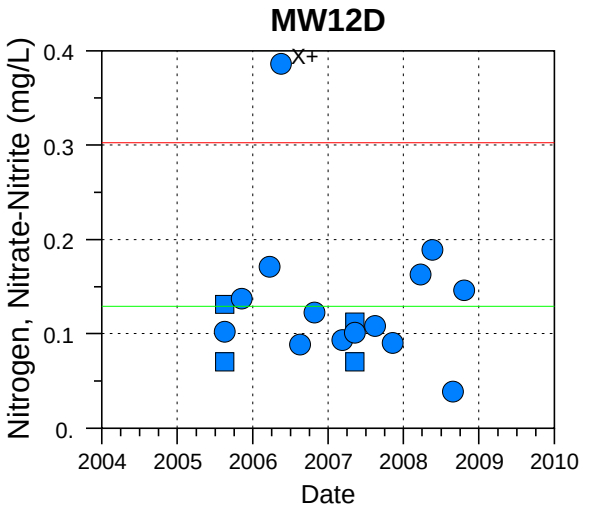

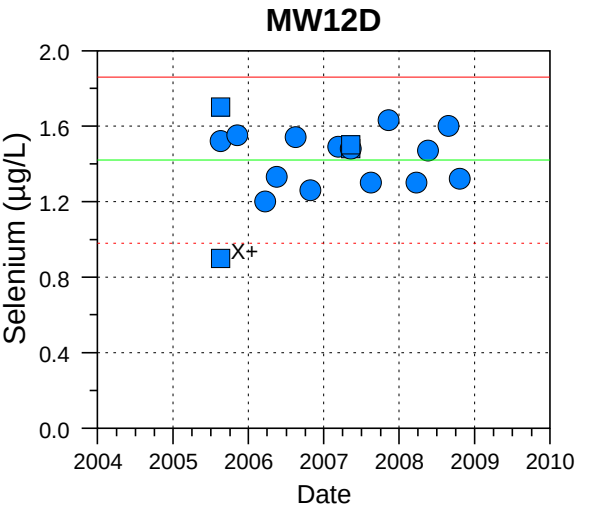

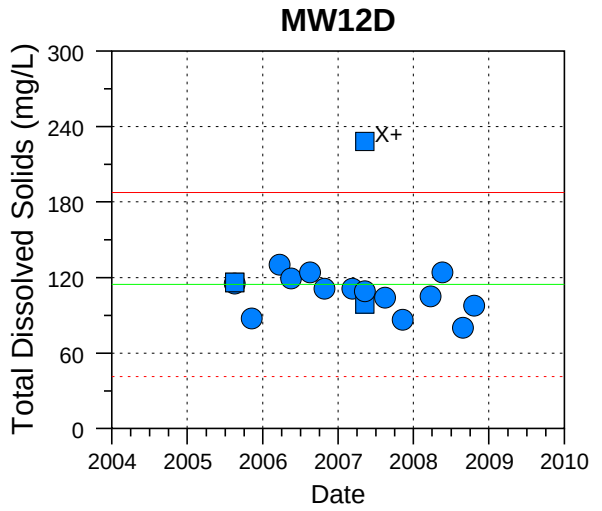

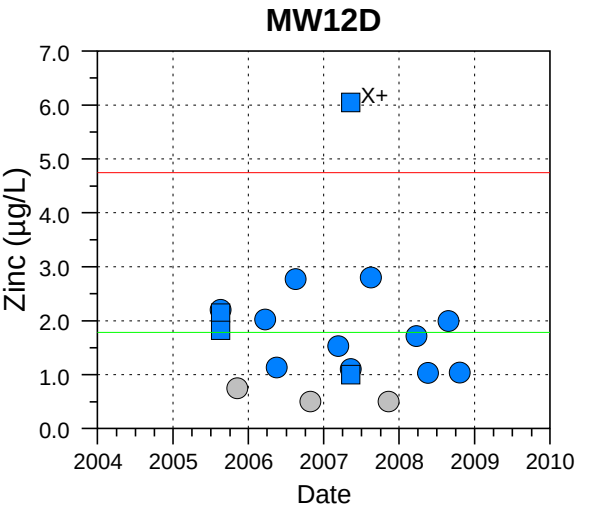

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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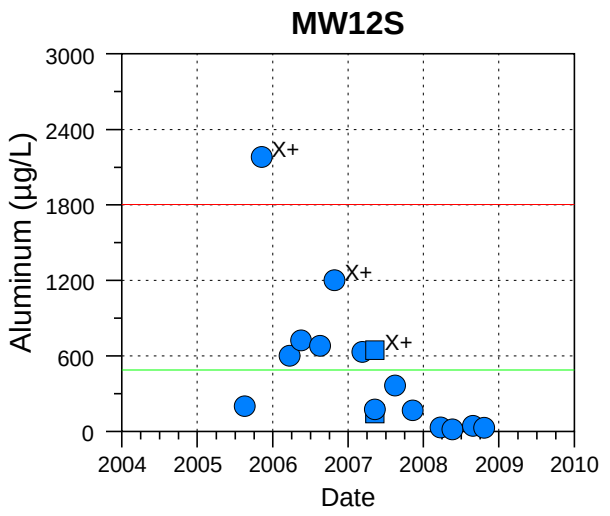
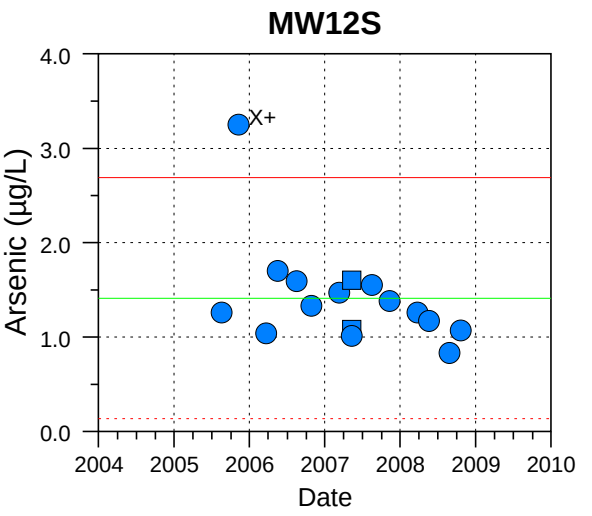
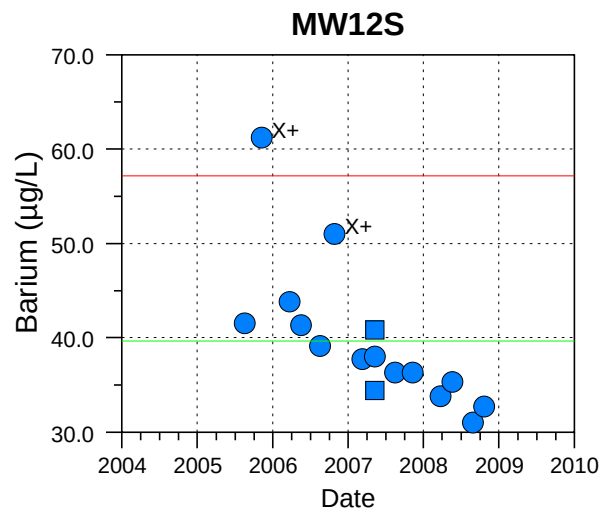
THE pebble PARTNERSHIP

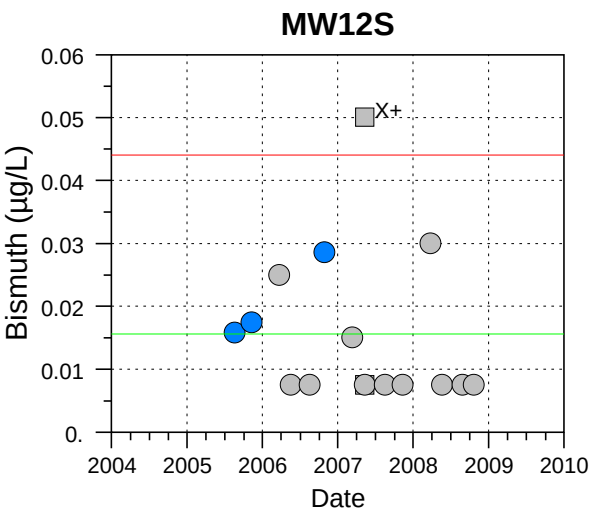
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

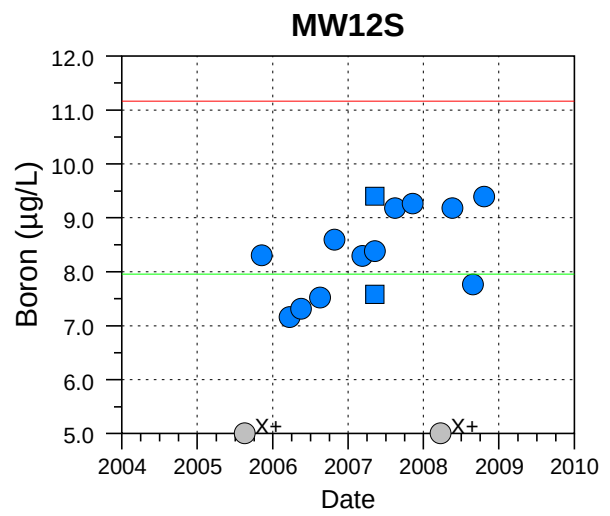
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

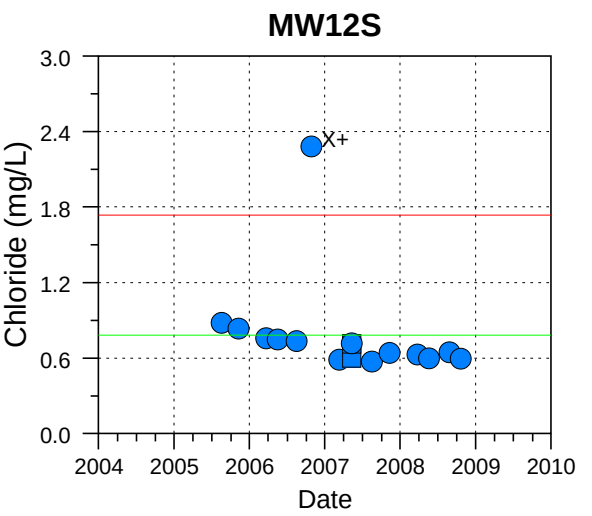












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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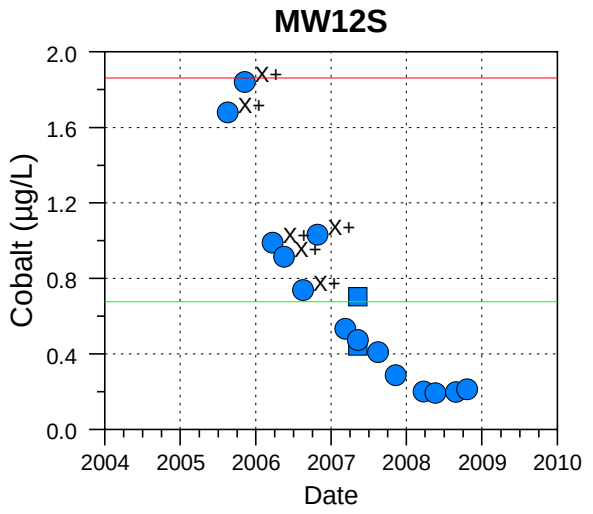
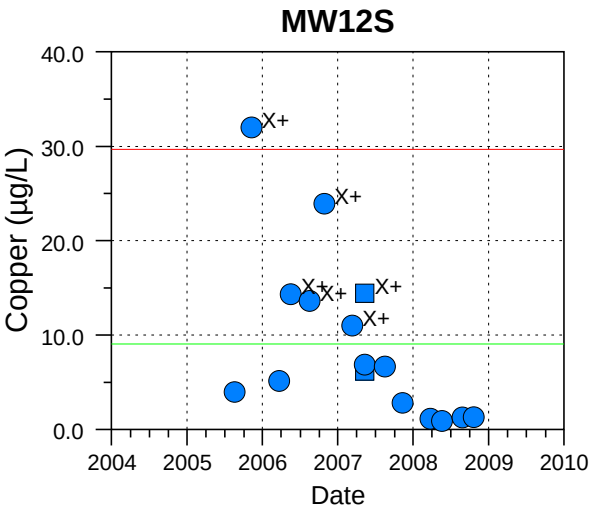
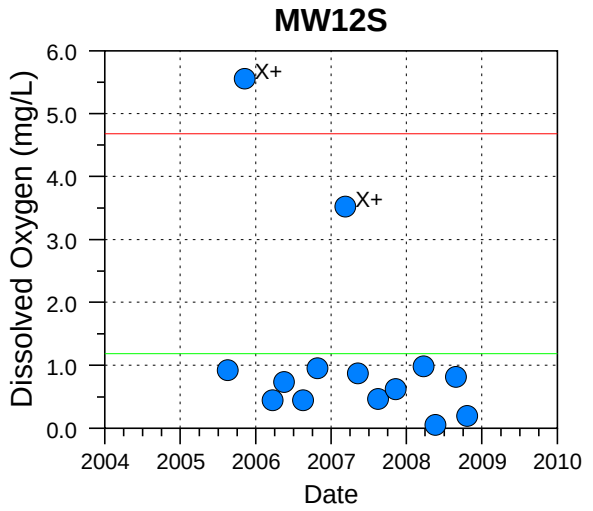
THE pebble PARTNERSHIP

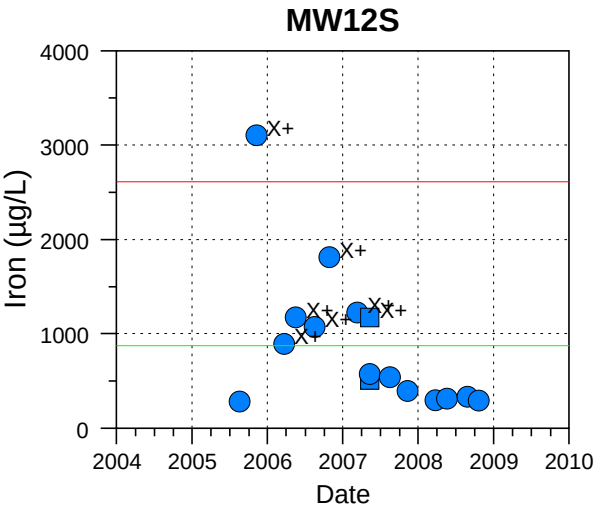
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

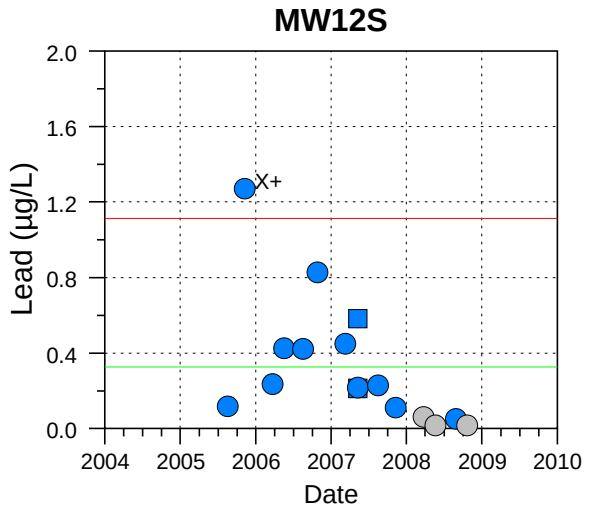
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

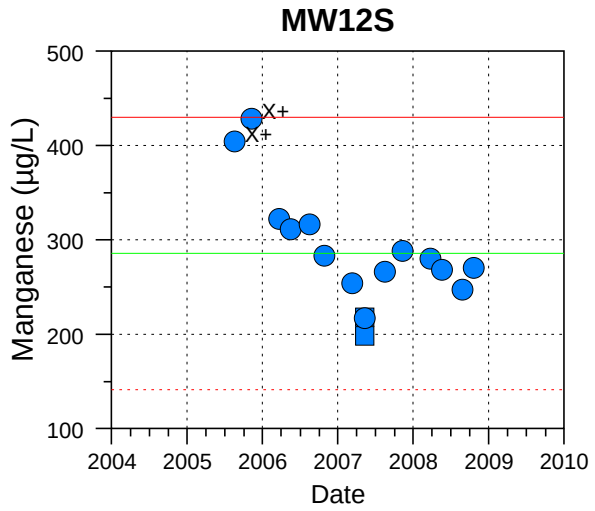












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

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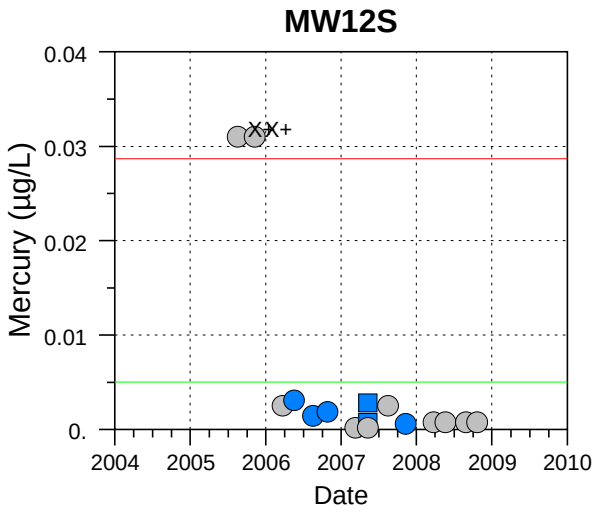

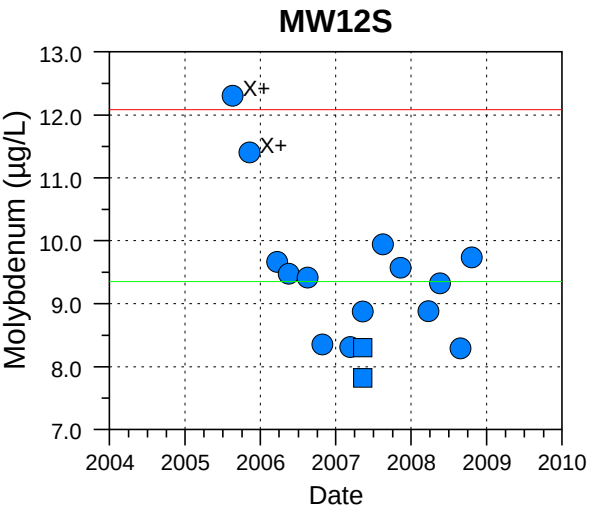

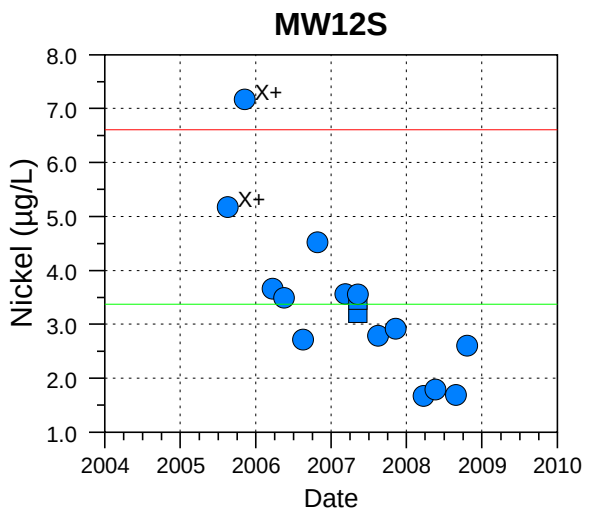

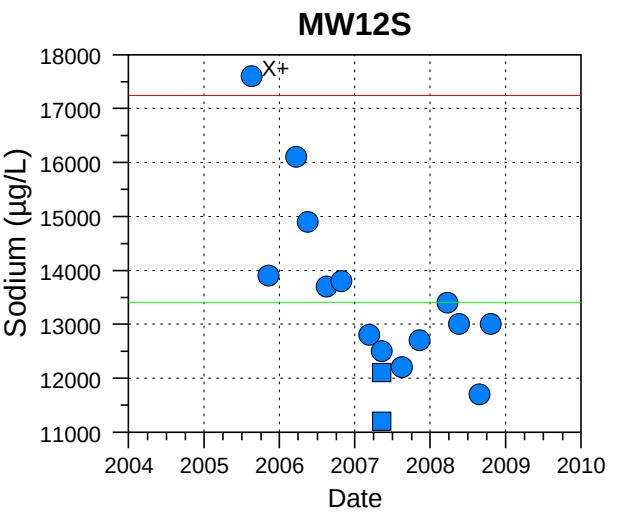

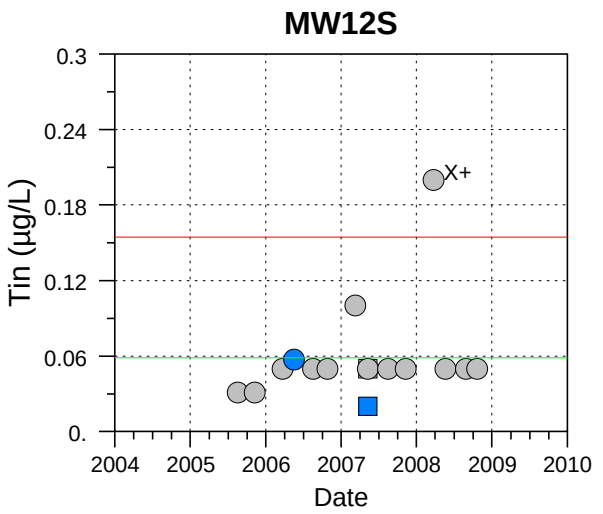

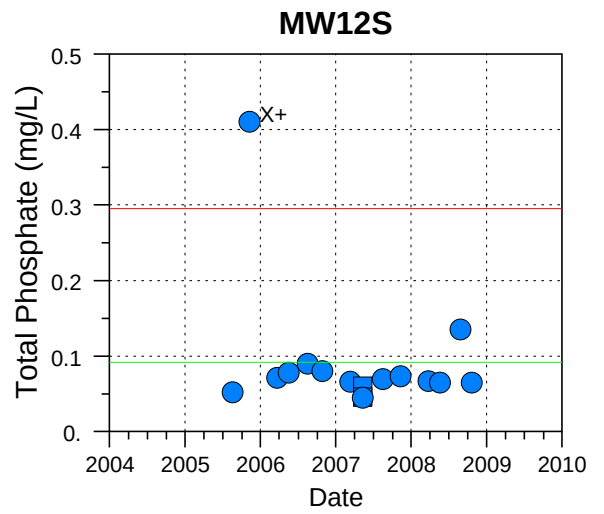

Legend

- Analytical Result
- Quality Control Sample Result
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- Mean
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X+ outlier, very high value

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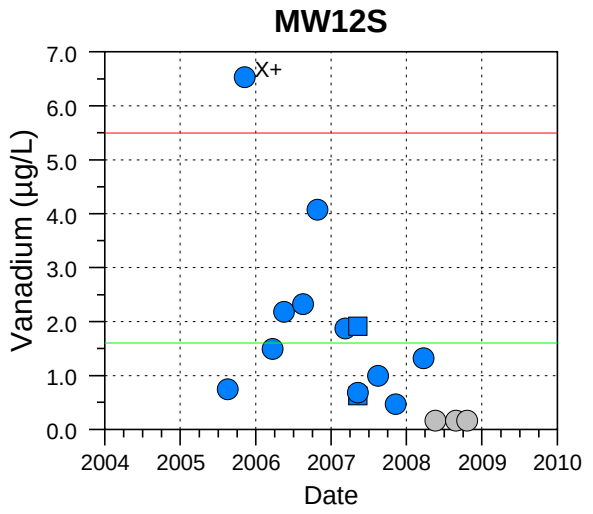

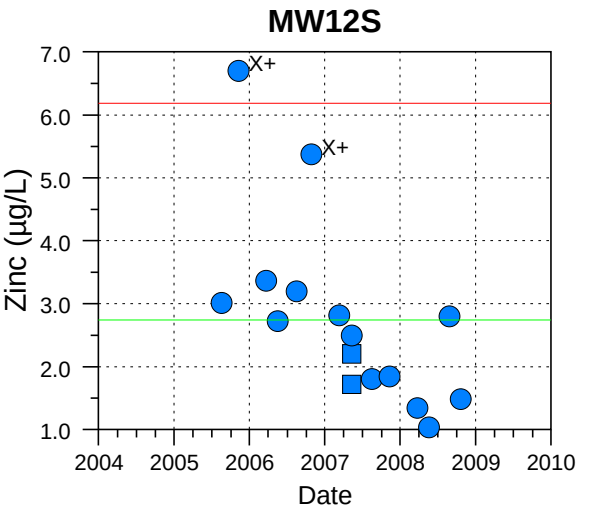

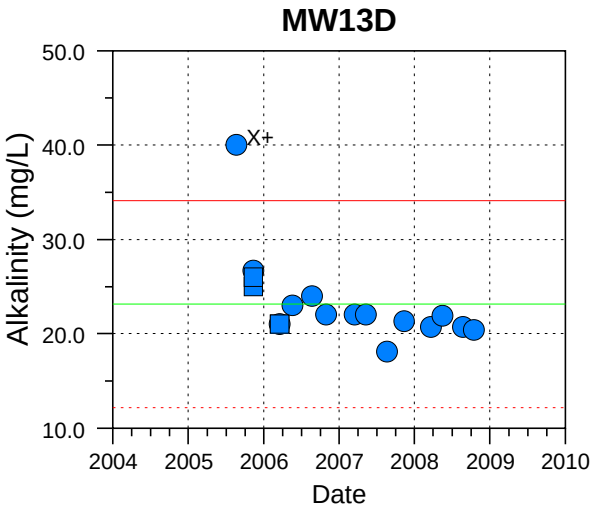

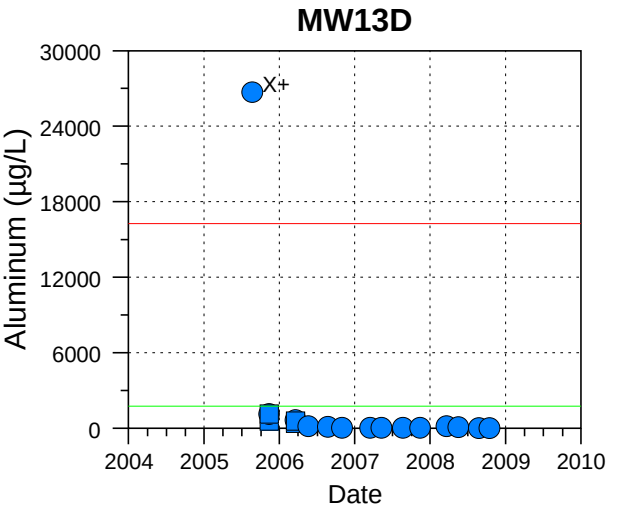

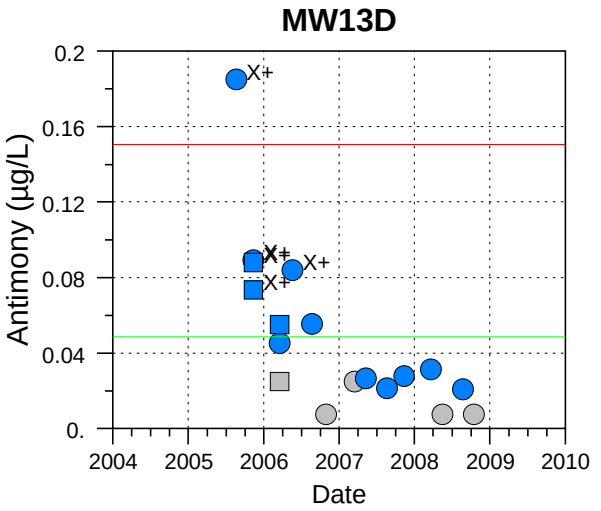

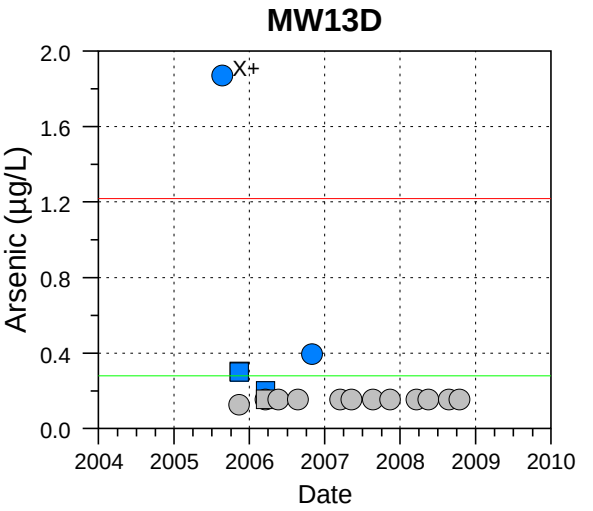

Legend

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- Quality Control Sample Result
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- Upper 98% Confidence Level
- Mean
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X+ outlier, very high value

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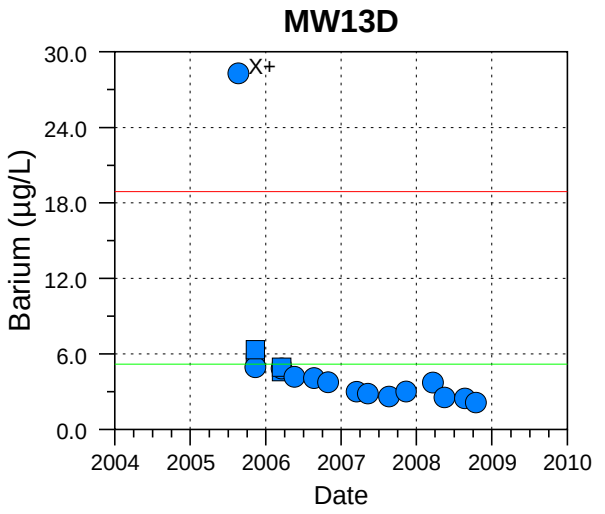

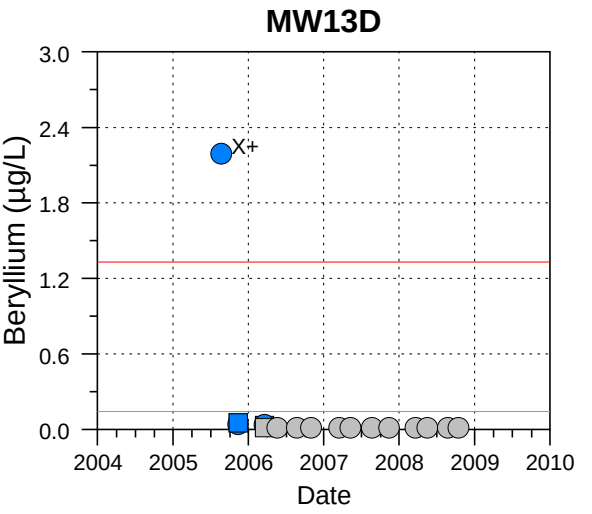

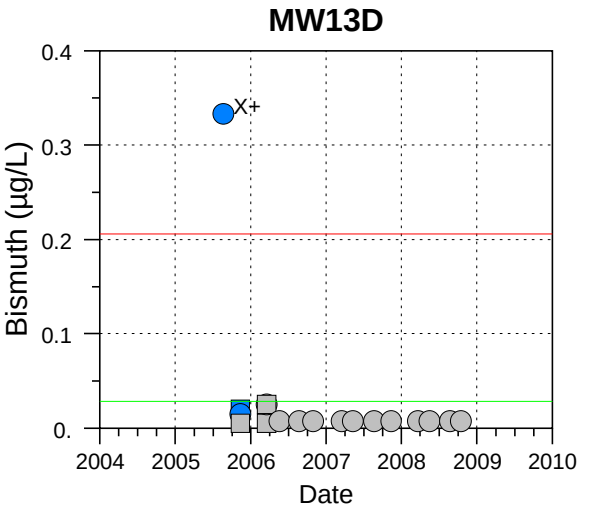

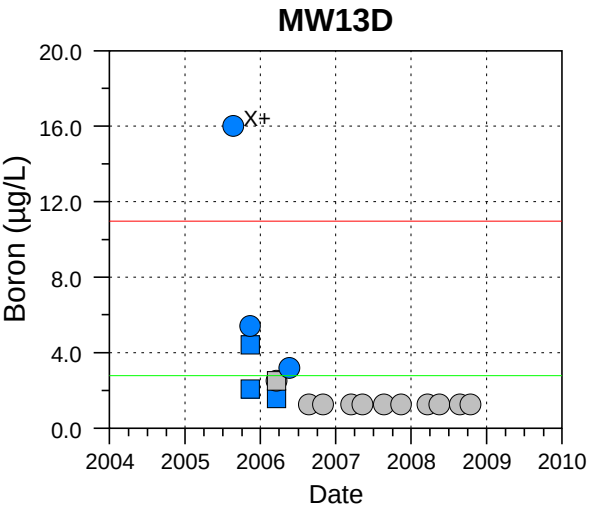

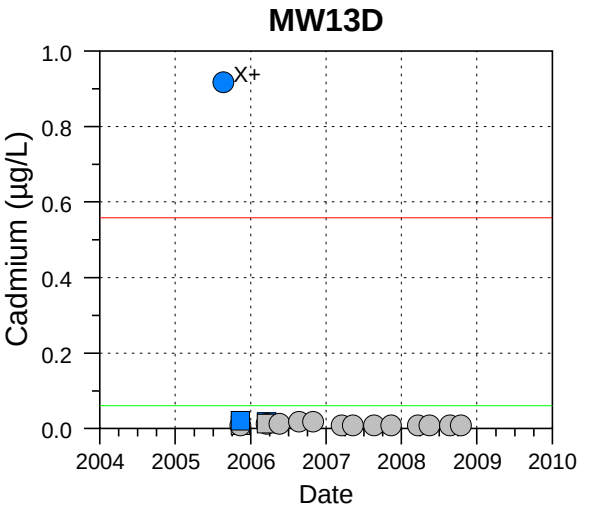

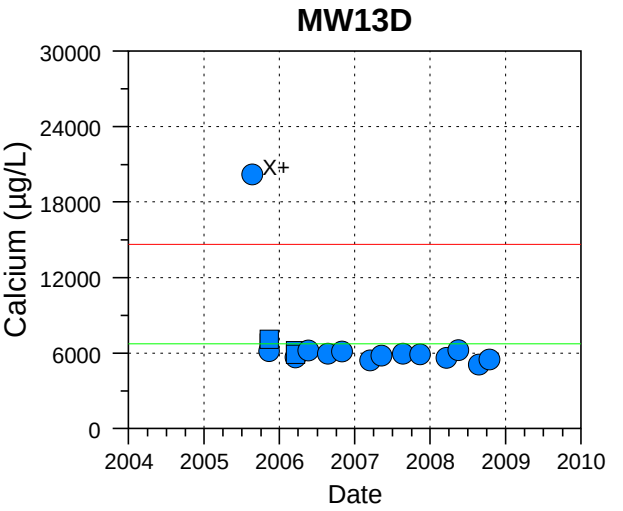

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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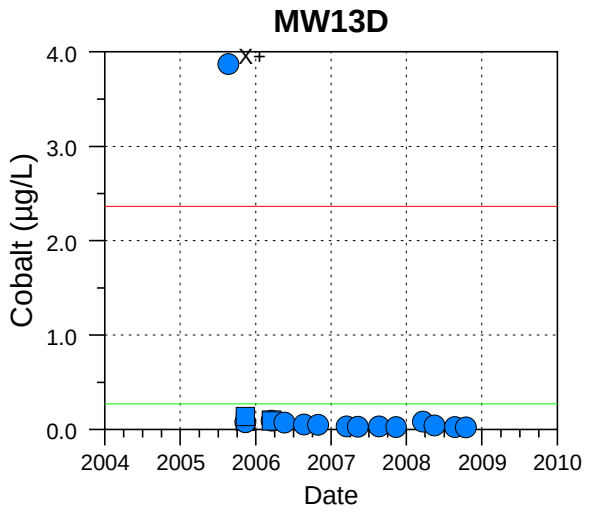
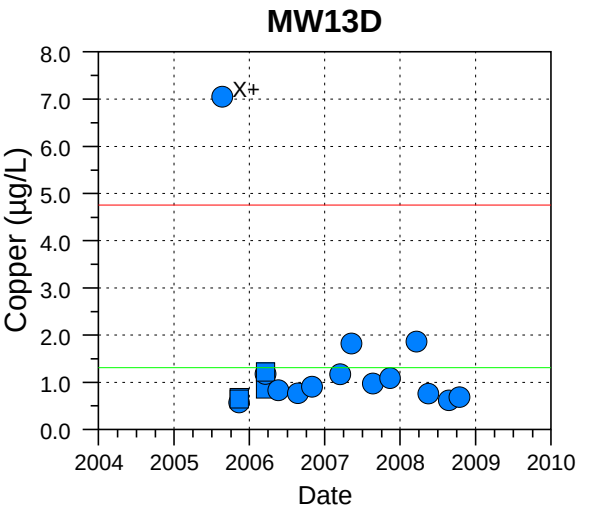
ug/L = micrograms per liter

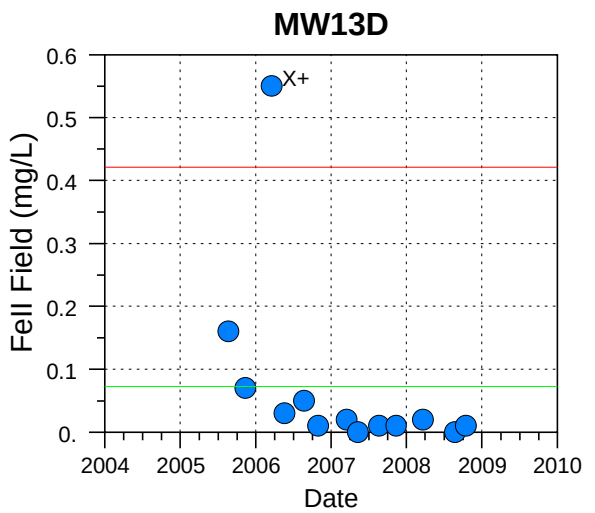
THE pebble PARTNERSHIP

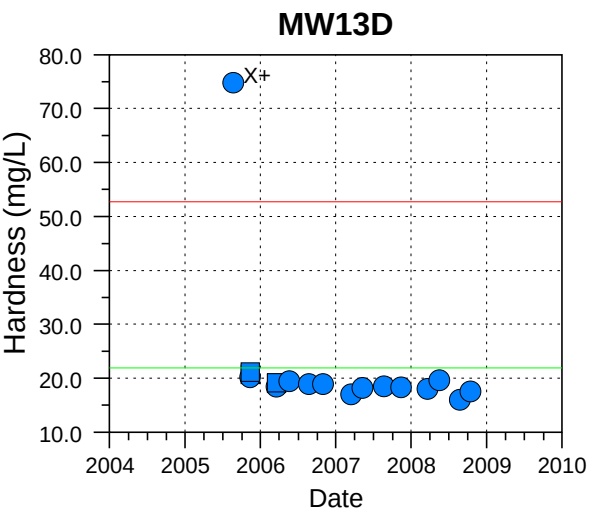
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

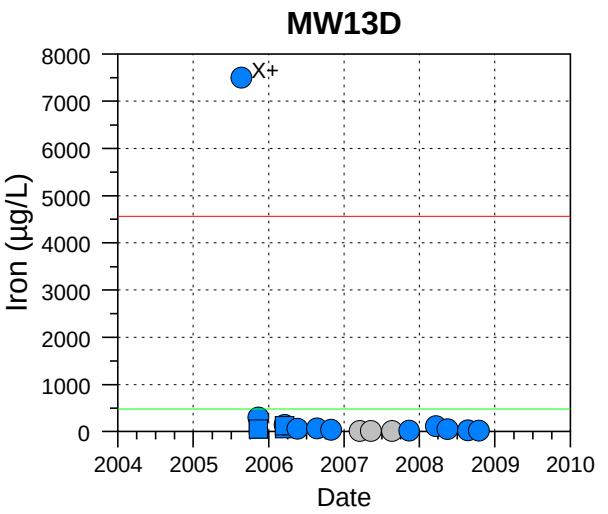
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

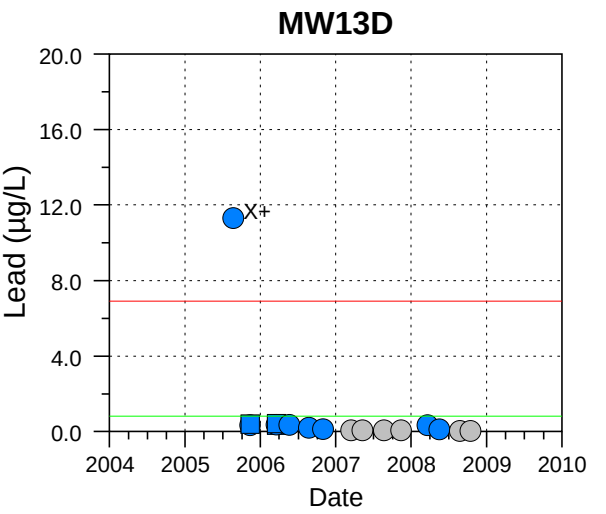












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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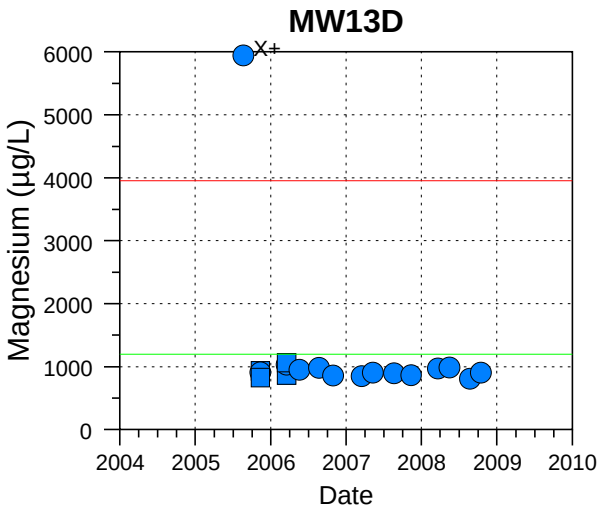
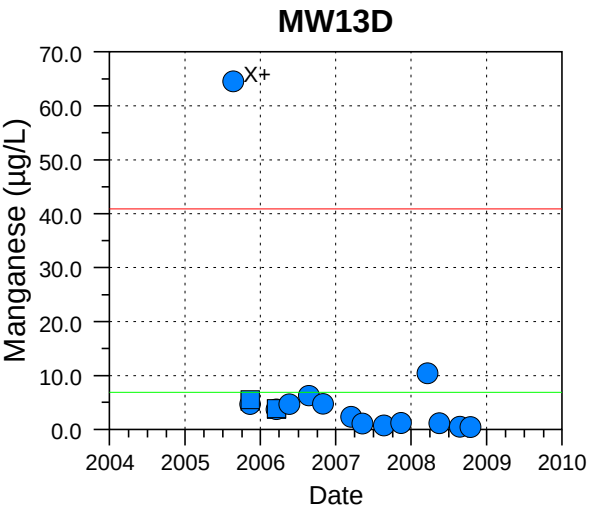
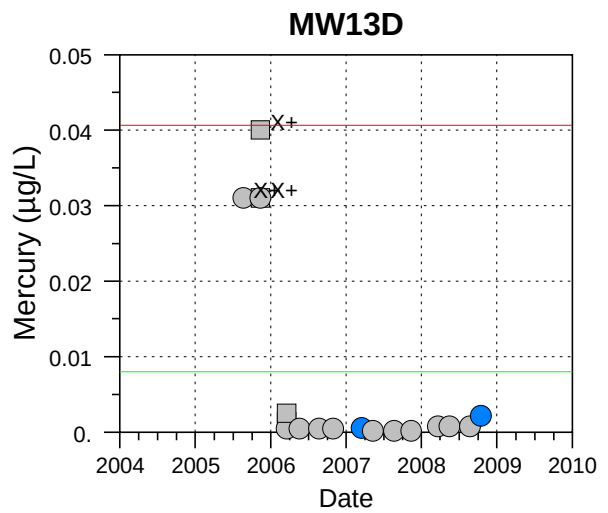
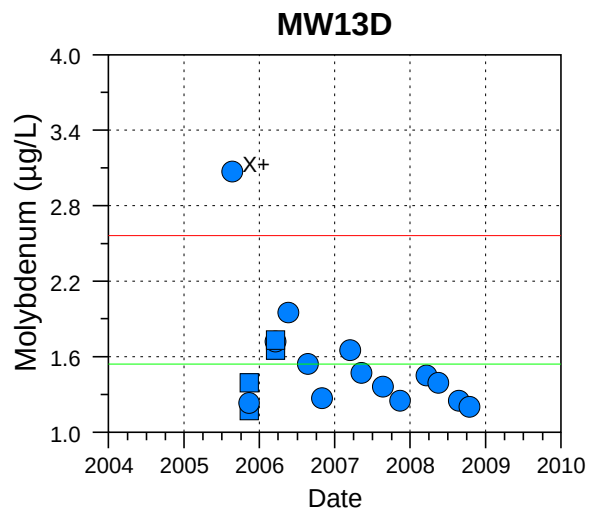
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

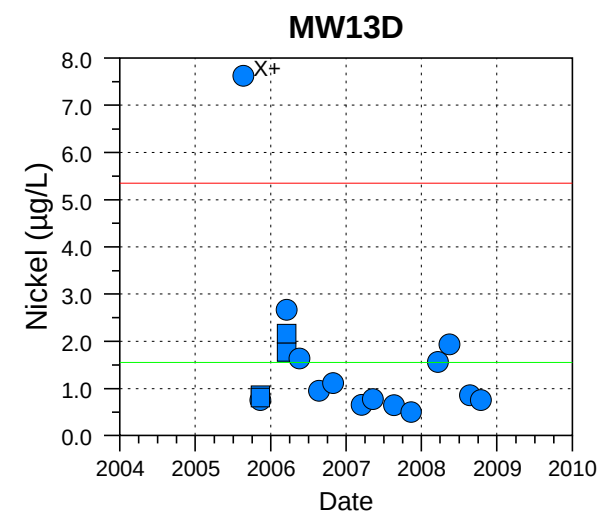
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

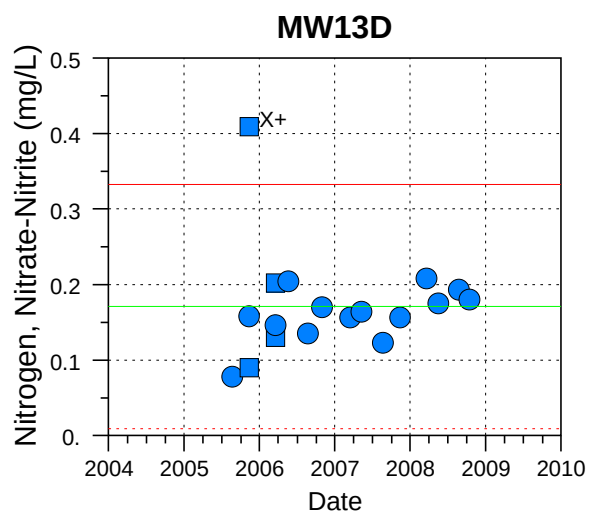












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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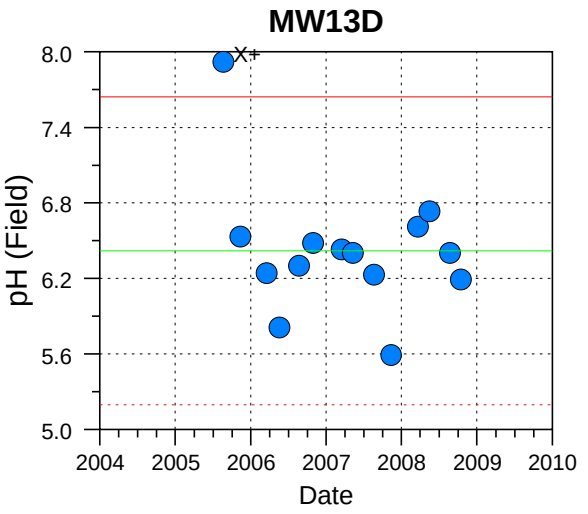
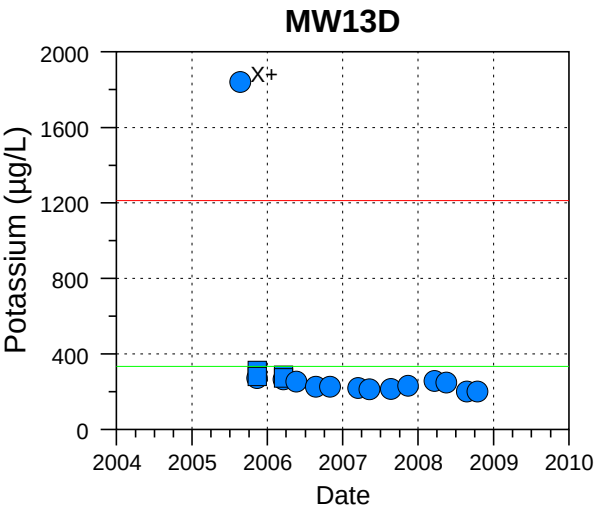
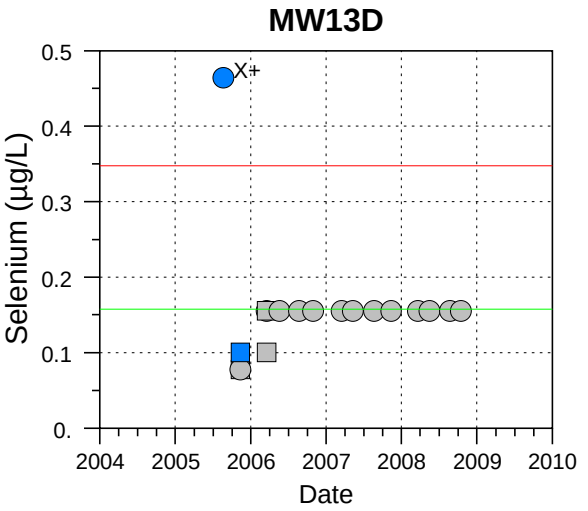
THE pebble PARTNERSHIP

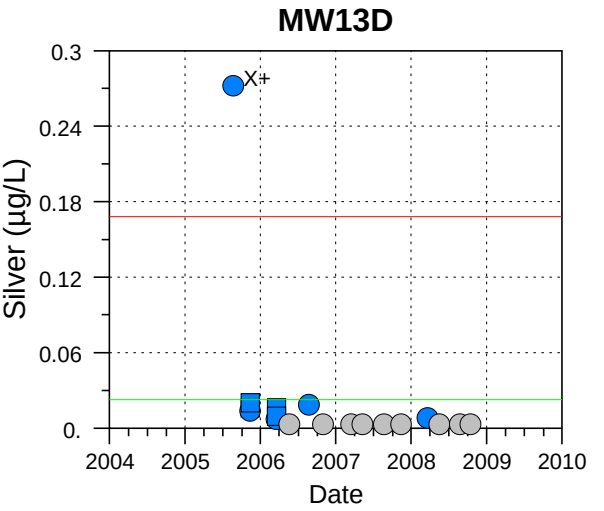
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

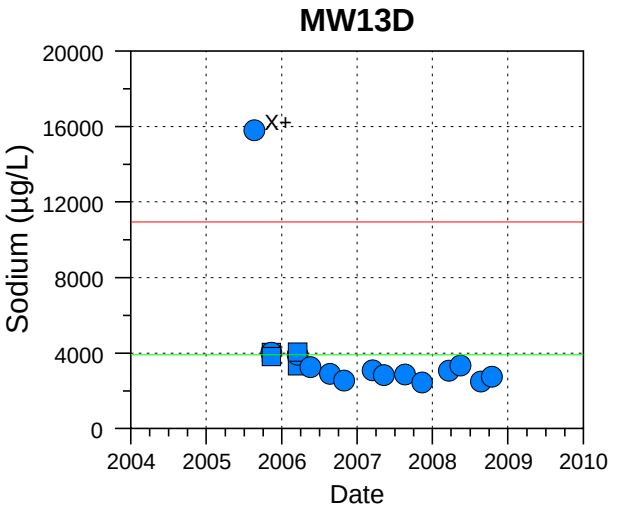
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

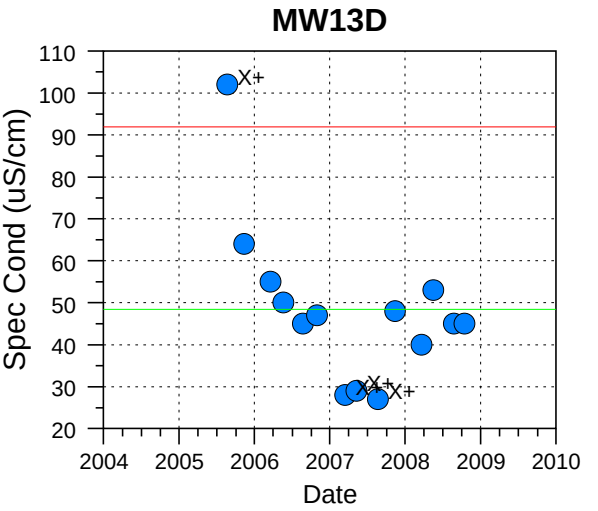












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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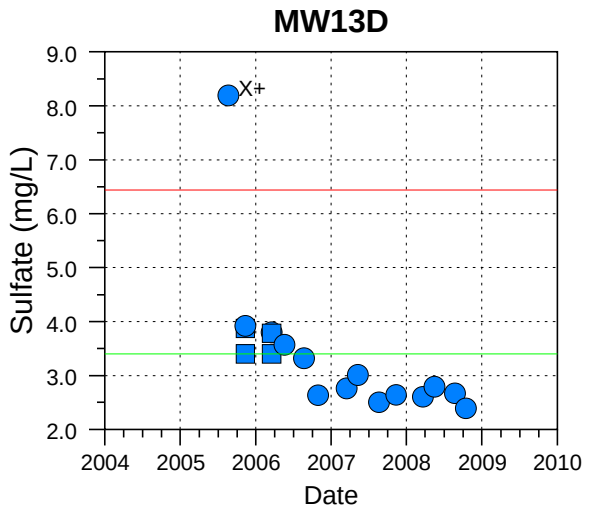
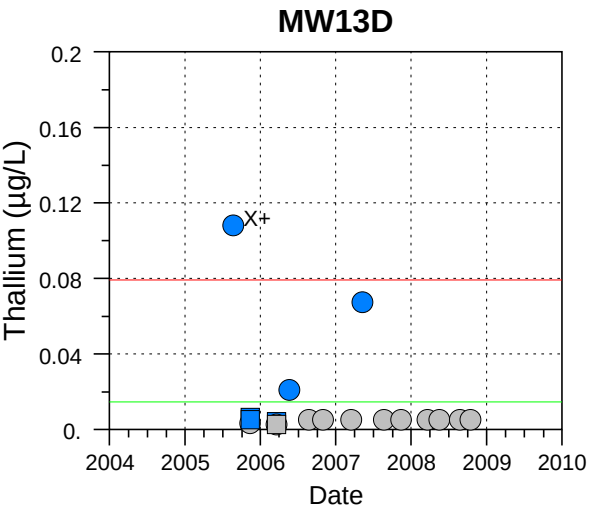
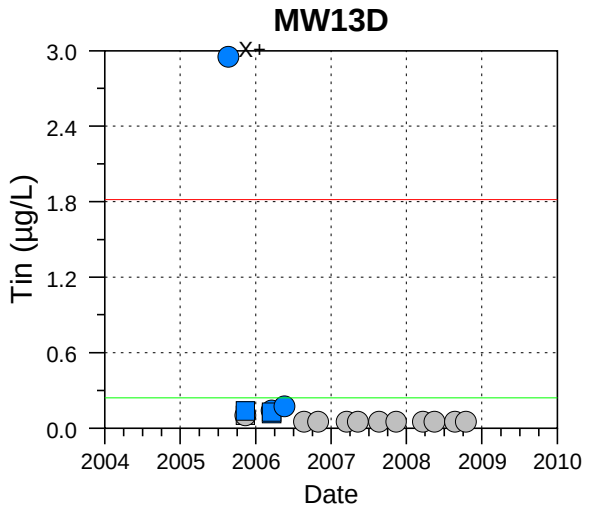
THE pebble PARTNERSHIP

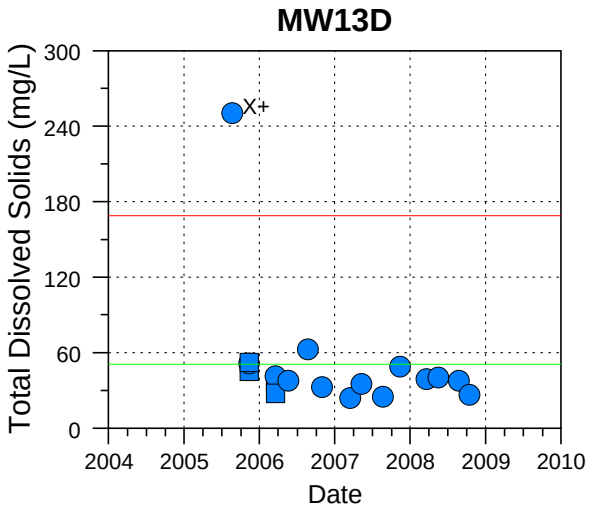
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

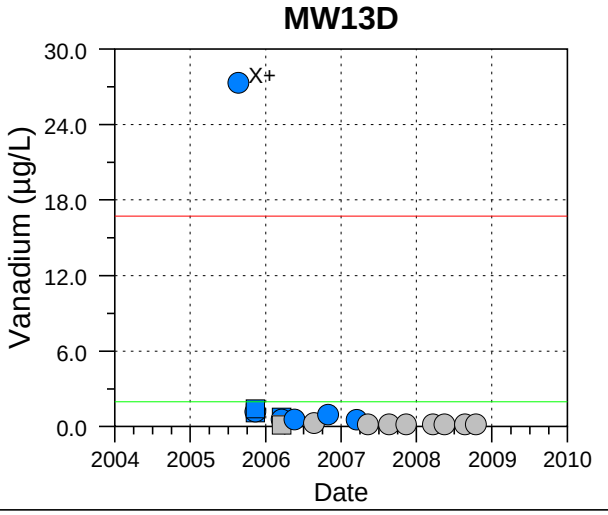
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

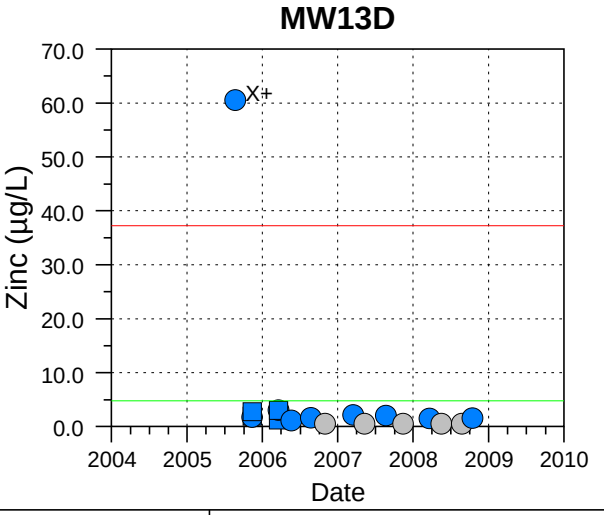












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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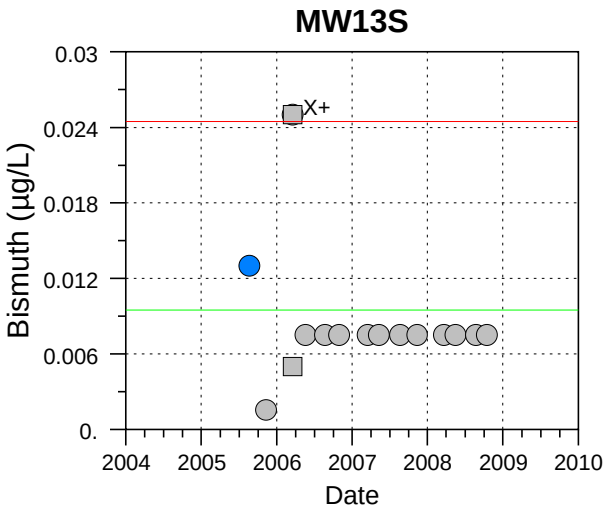

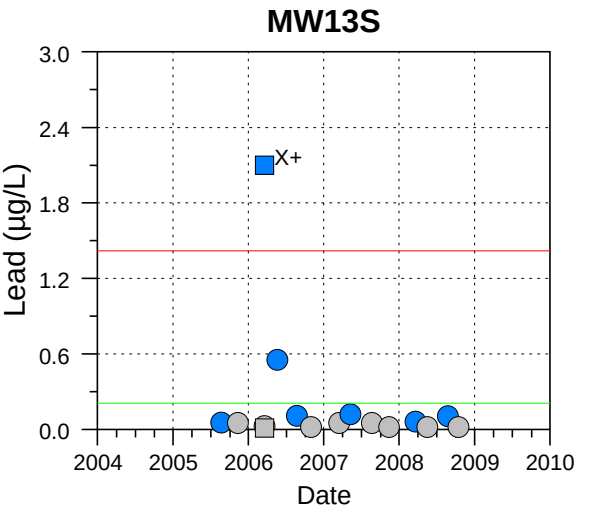

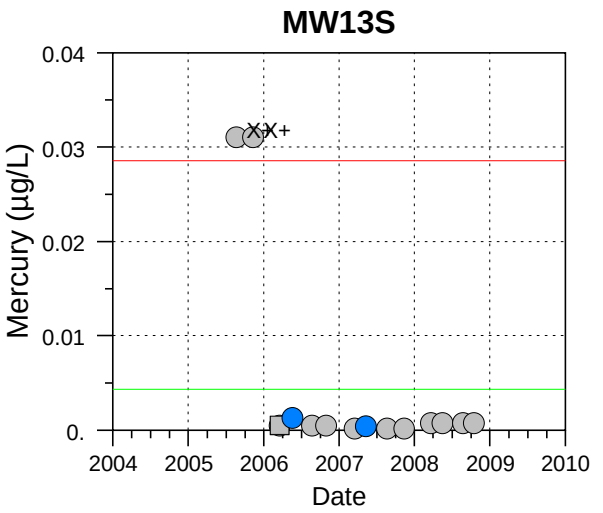

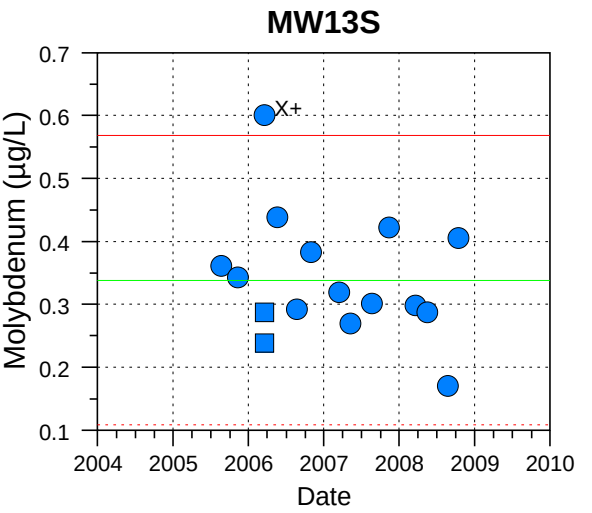

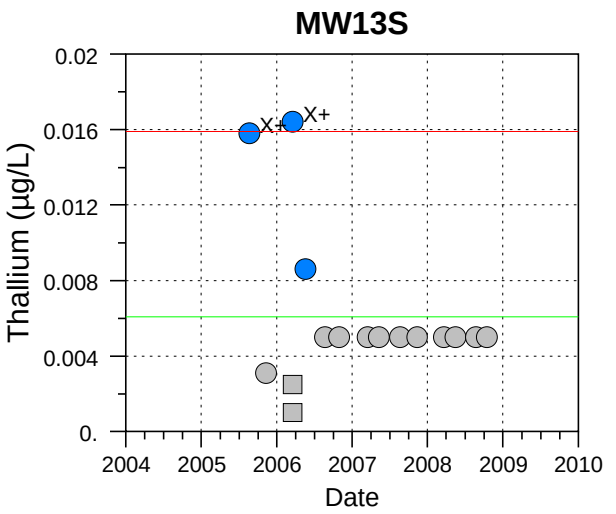

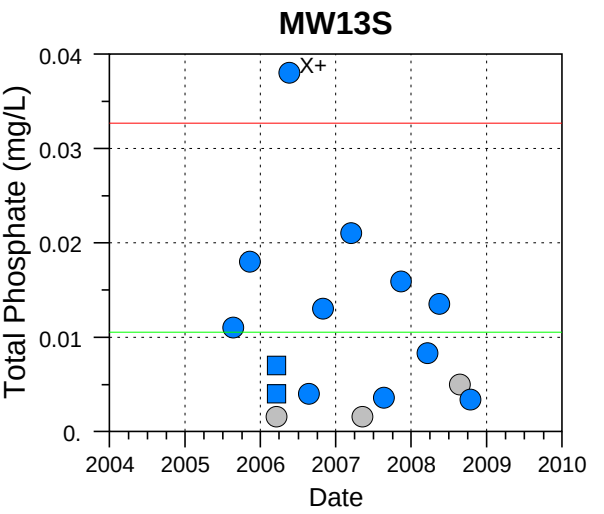

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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Appendix 9.2C-2
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Total Concentrations

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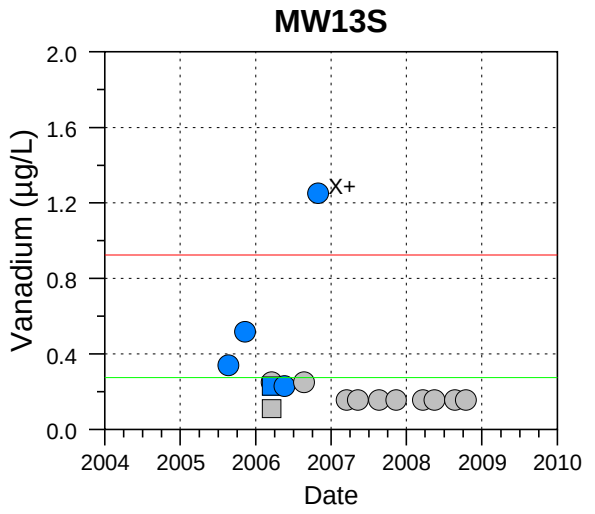

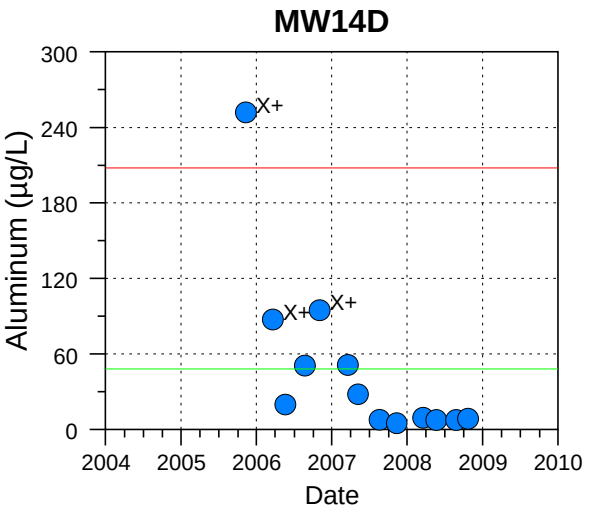

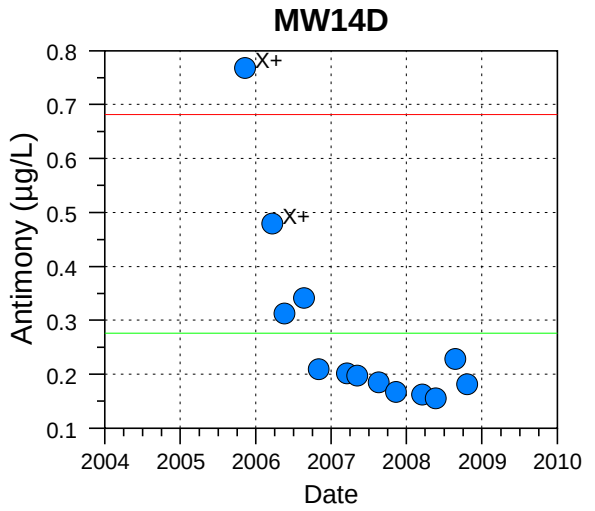

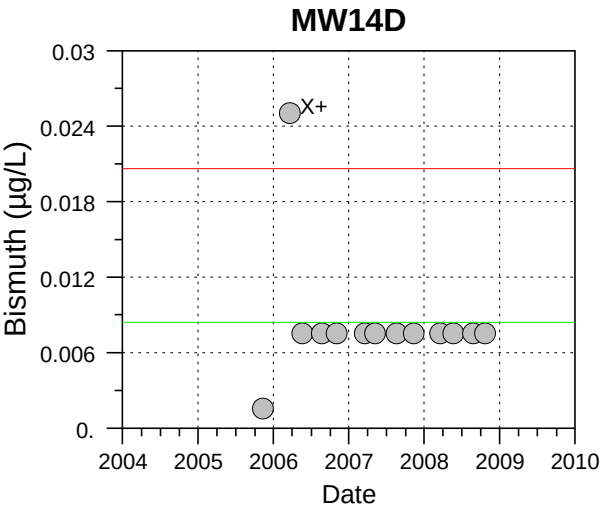

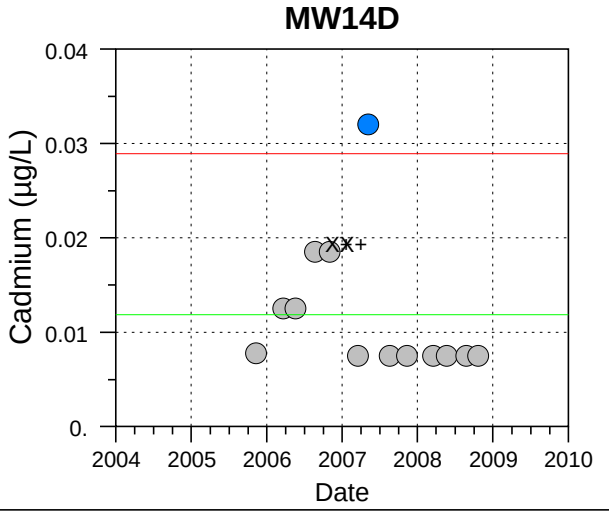

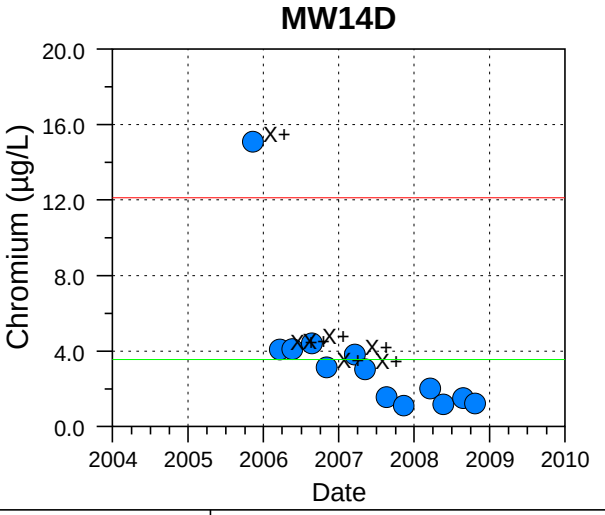

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Appendix 9.2C-2
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Total Concentrations

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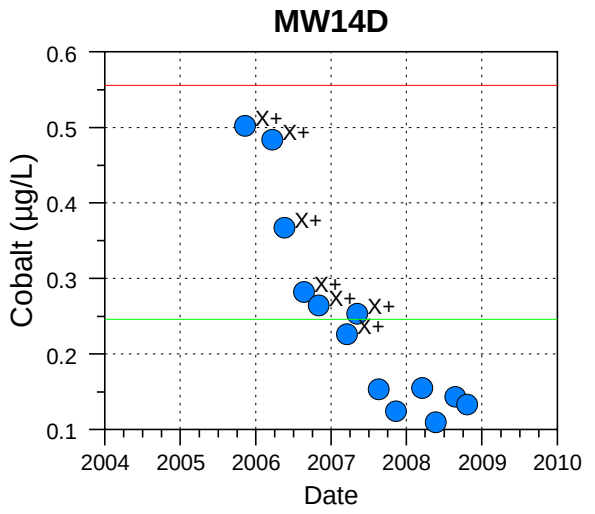

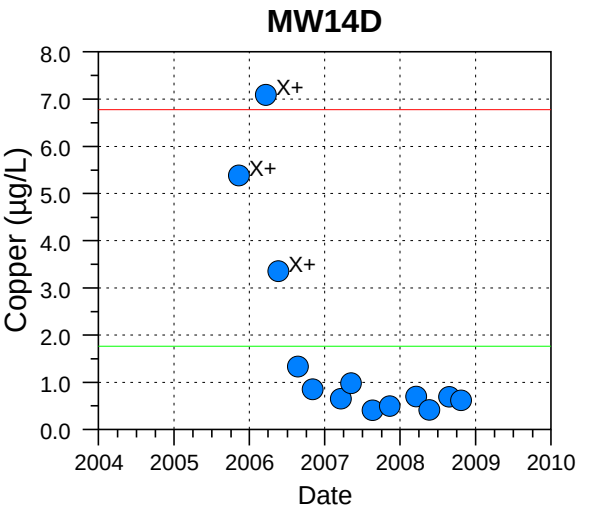

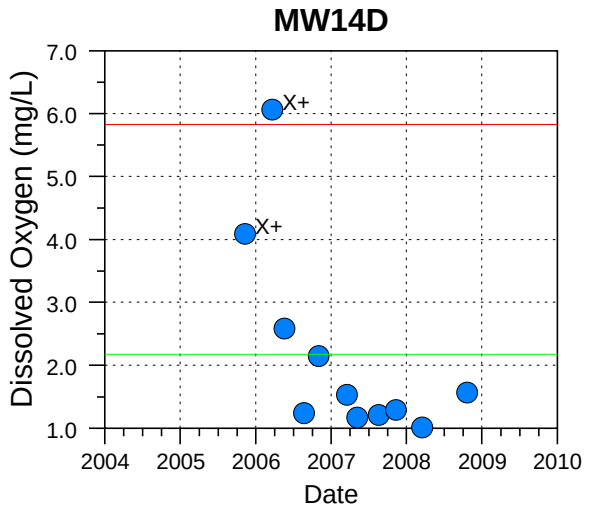

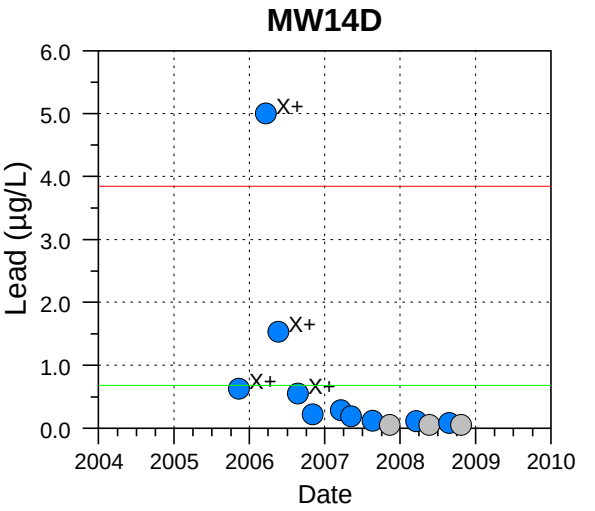

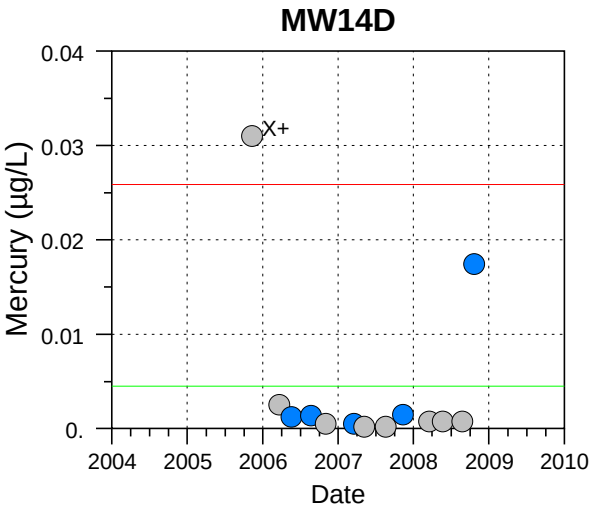

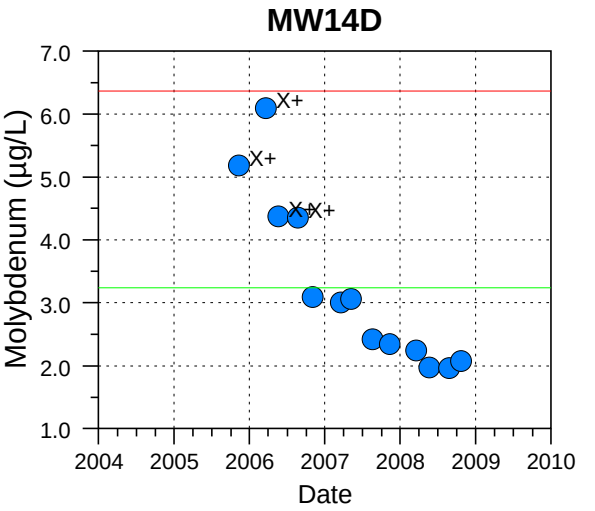

Legend

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- Mean
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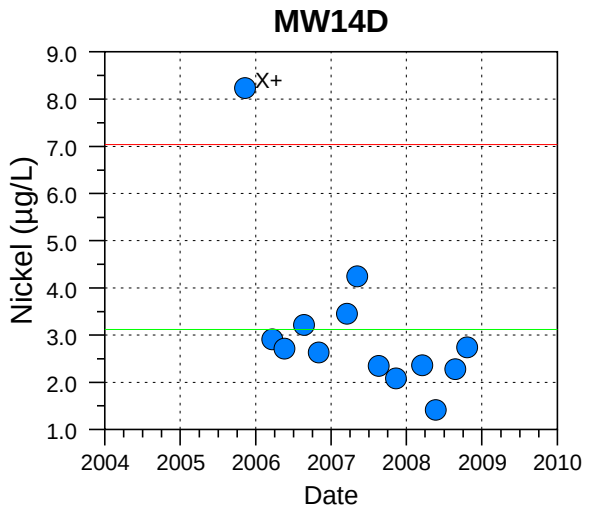
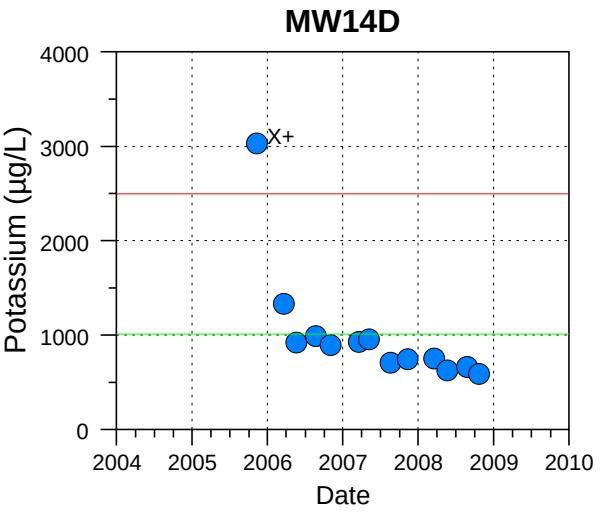
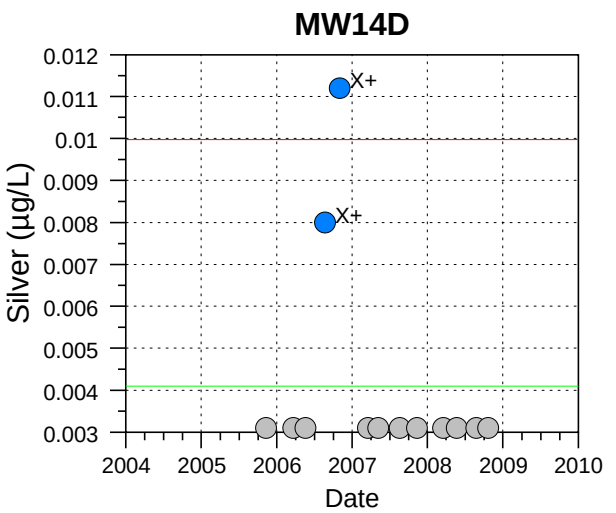
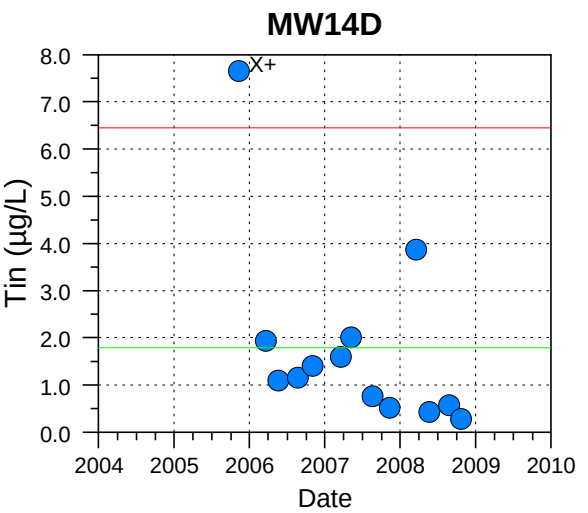
Total Concentrations

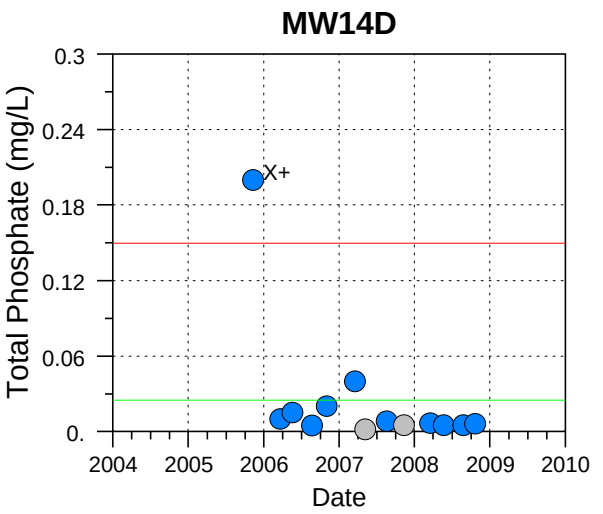
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

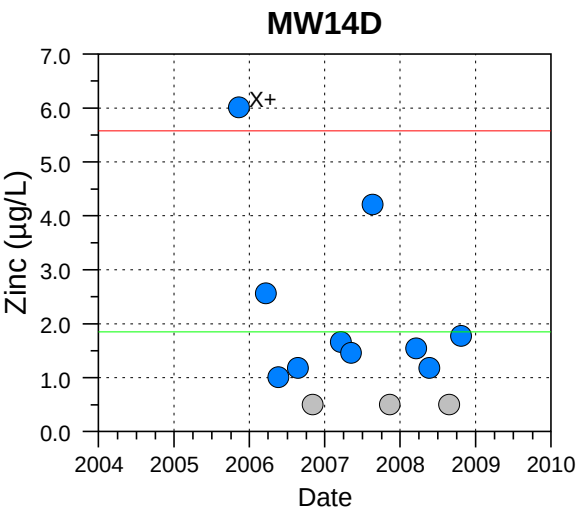












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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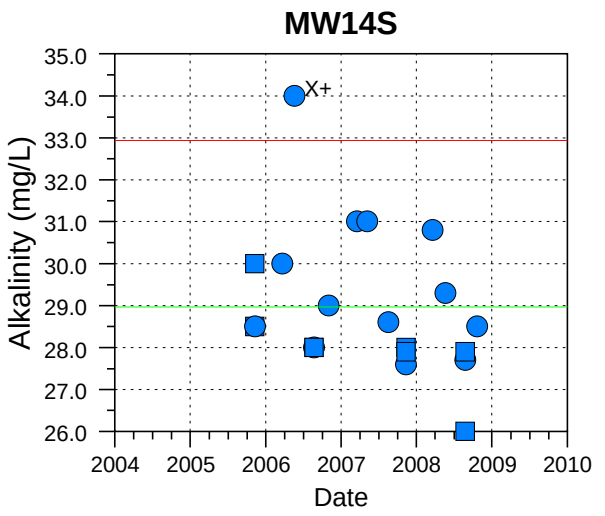
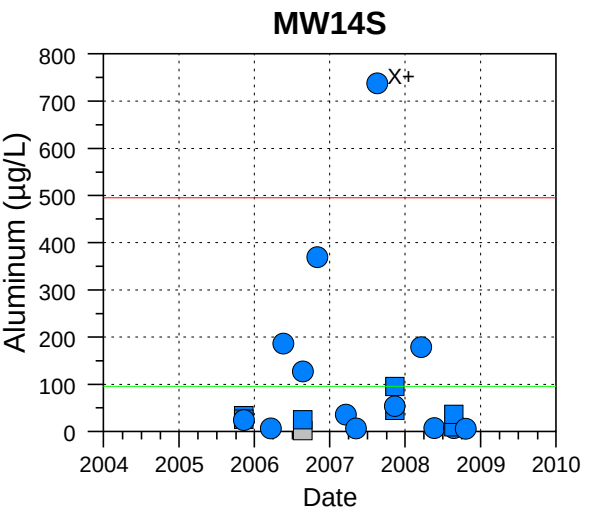
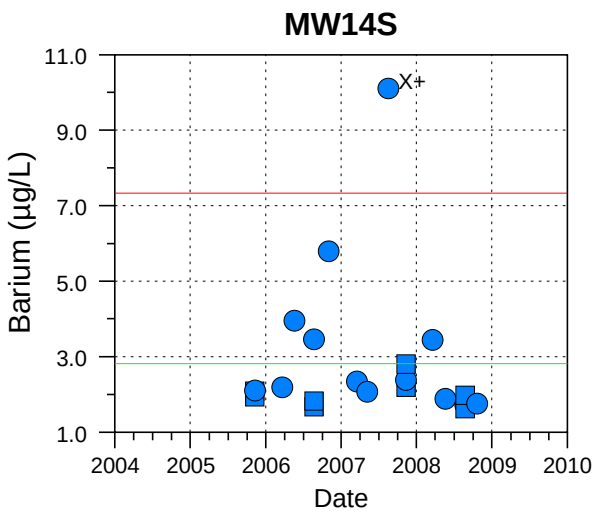
THE pebble PARTNERSHIP

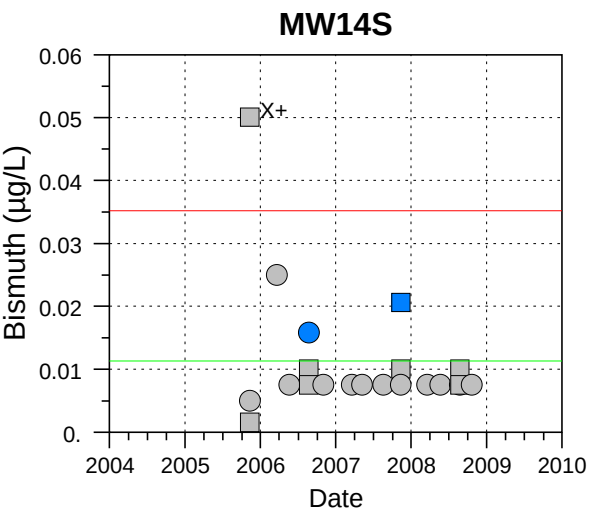
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

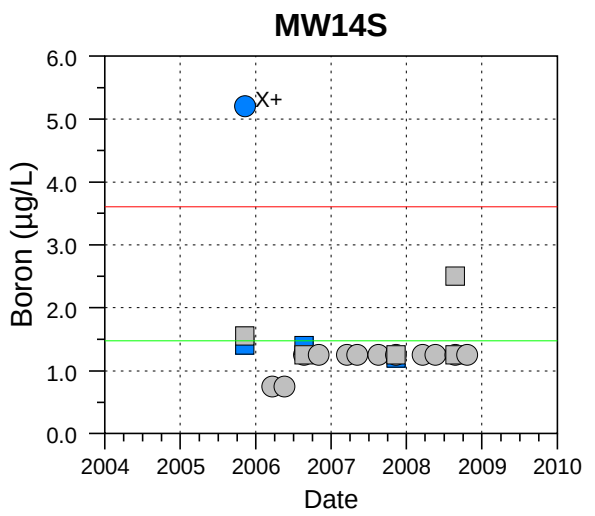
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

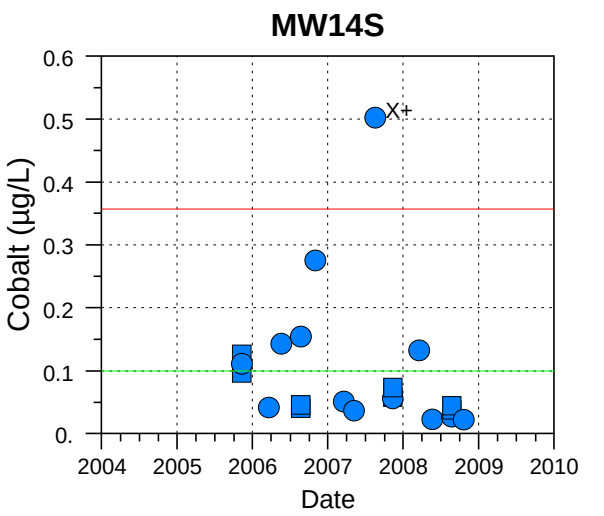












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.2C-2
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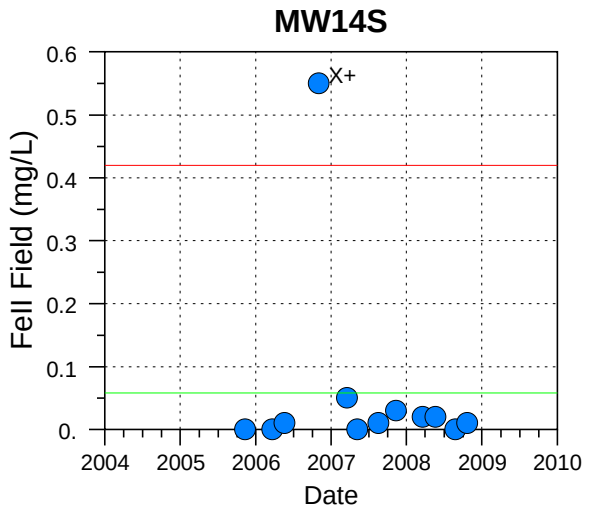
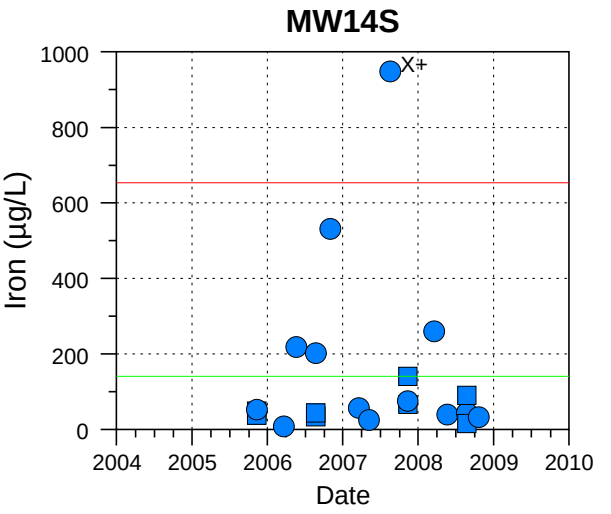
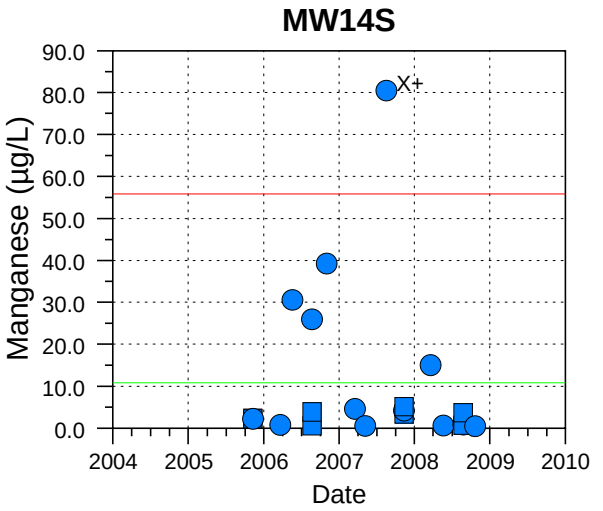
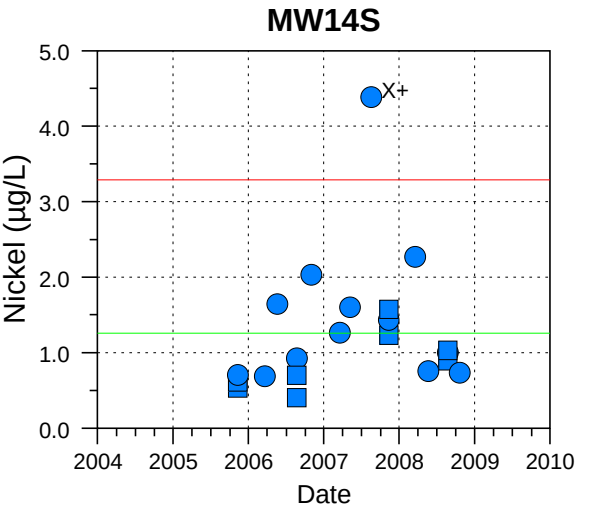
Total Concentrations

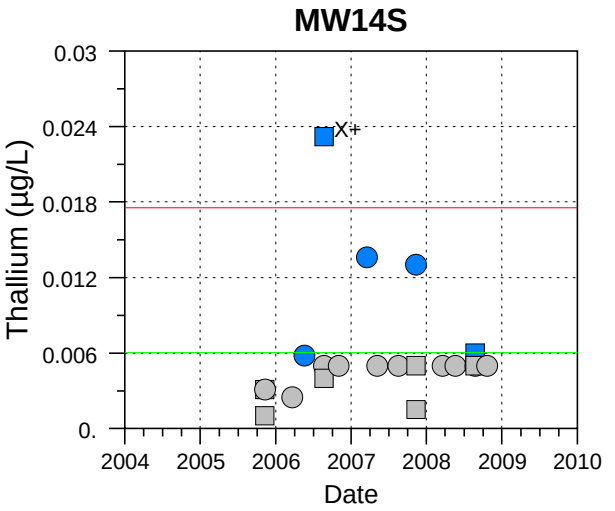
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

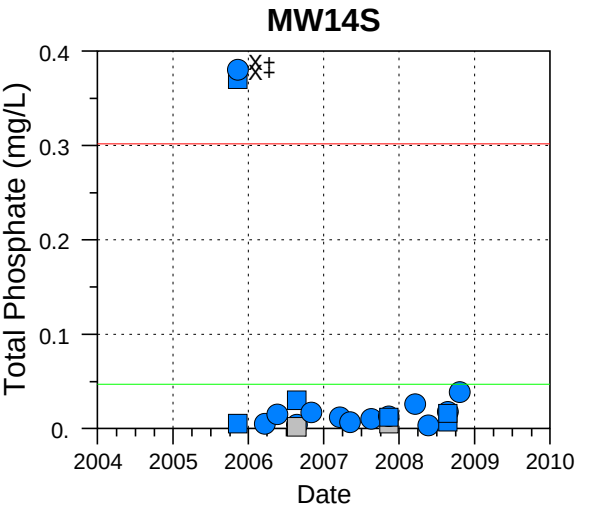












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

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Total Concentrations

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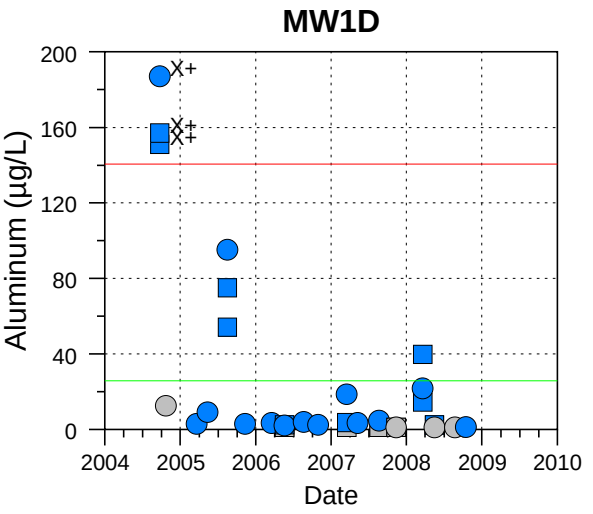

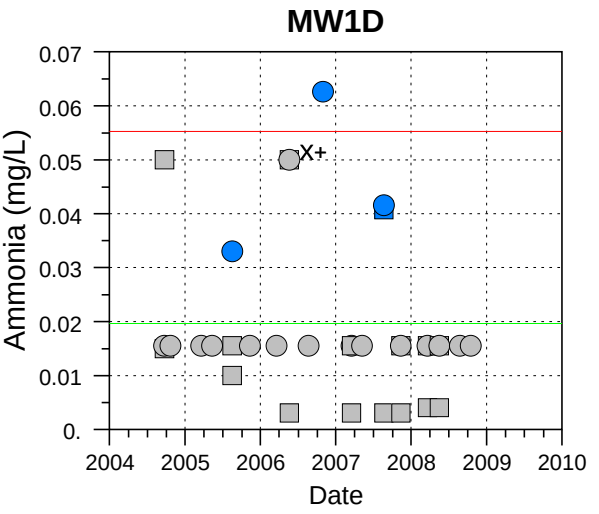

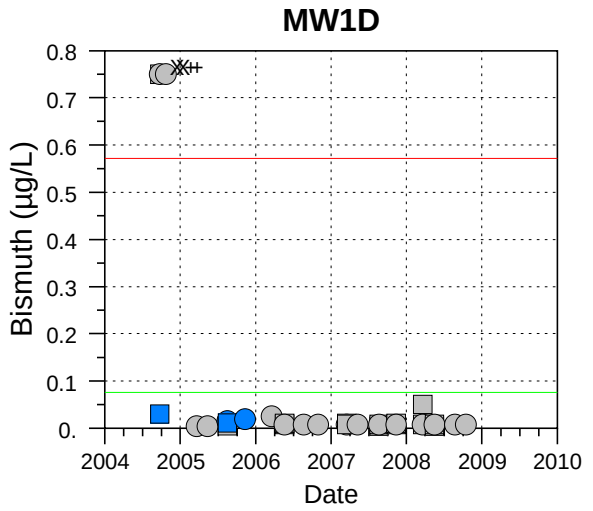

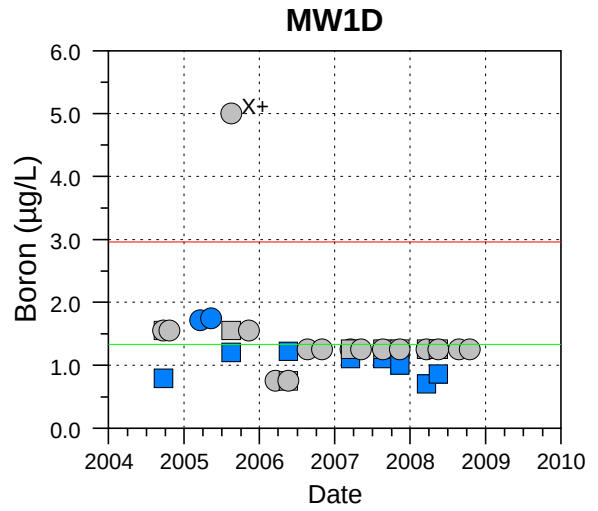

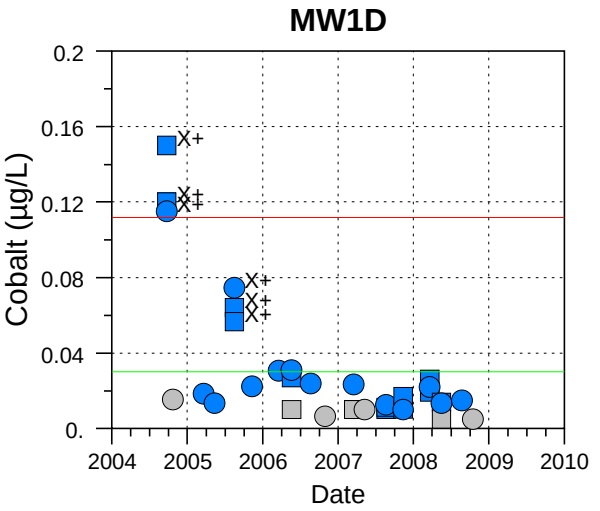

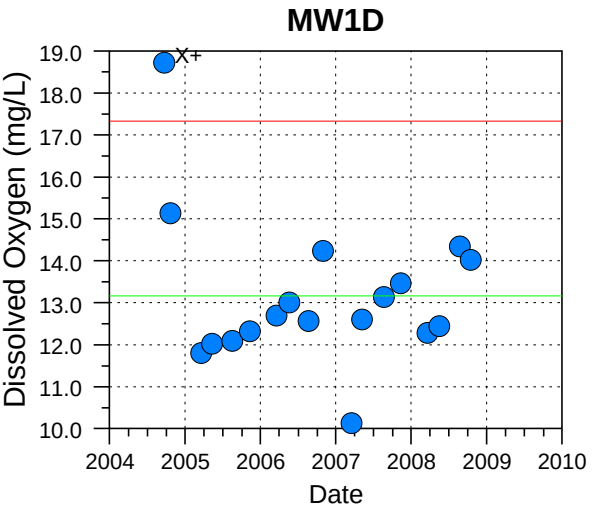

Legend

- Analytical Result
- Quality Control Sample Result
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- Mean
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Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
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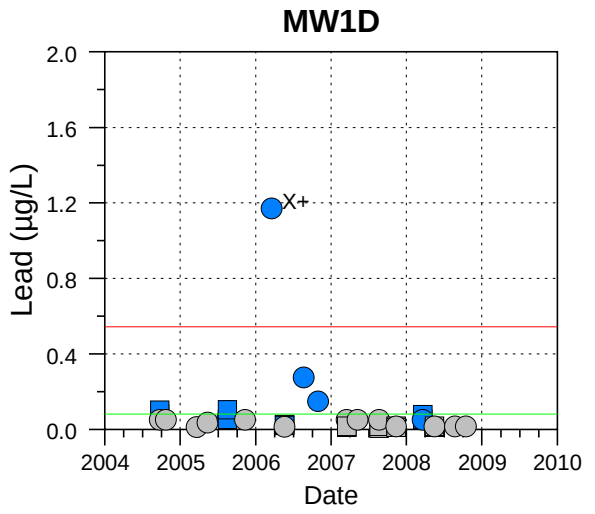

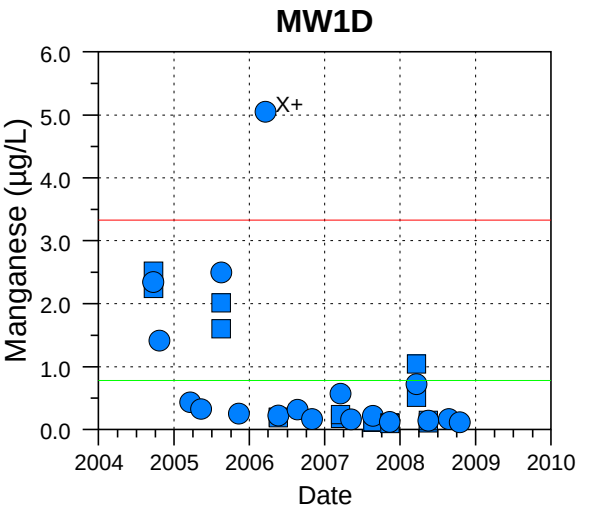

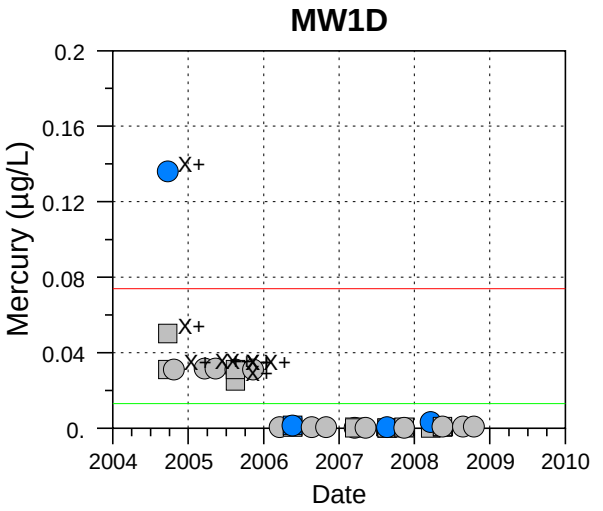

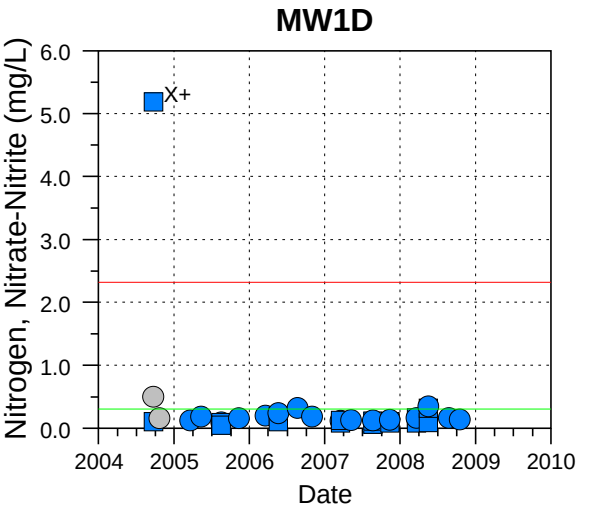

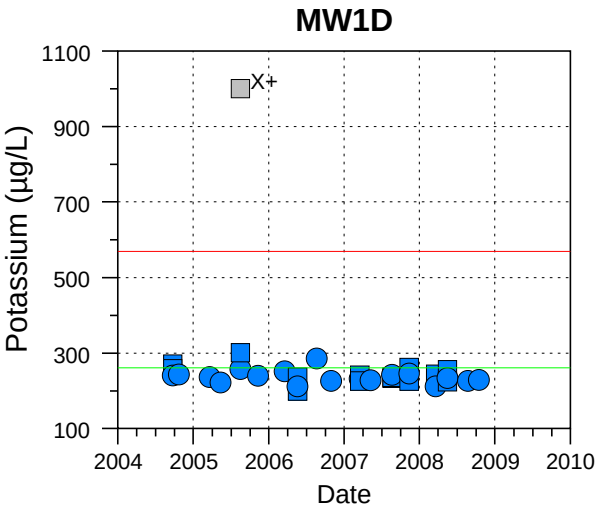

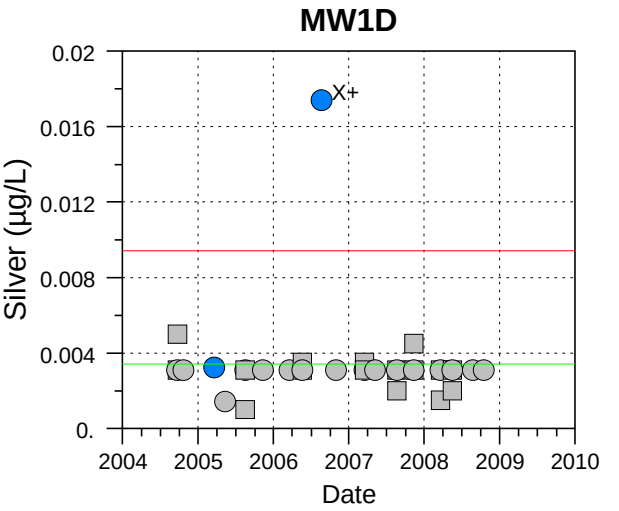

Legend

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- Quality Control Sample Result
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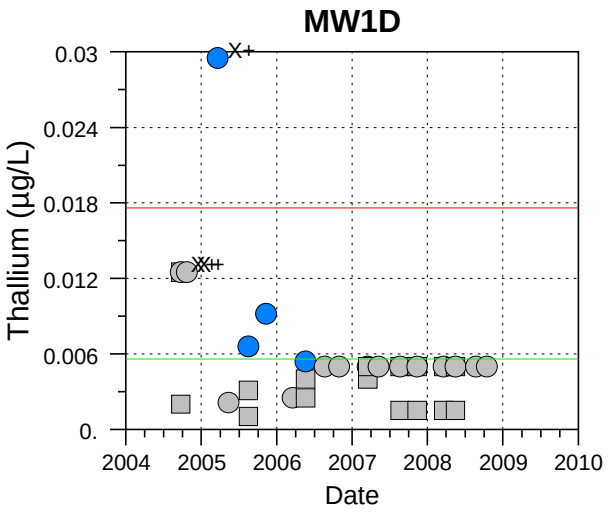

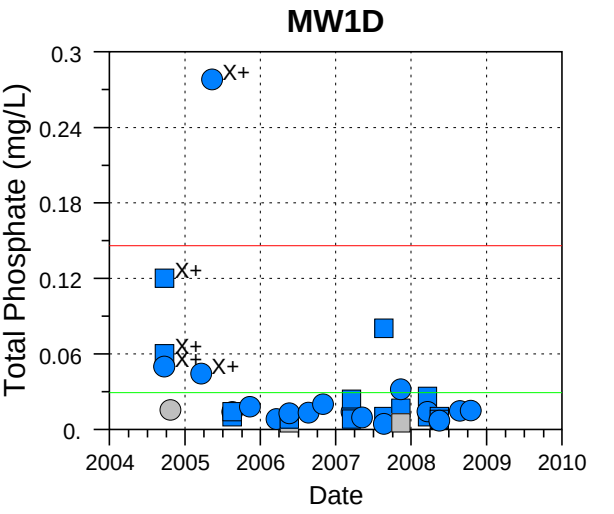

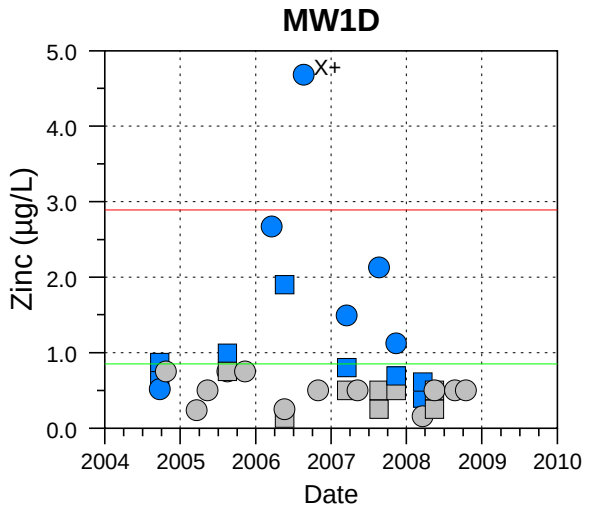

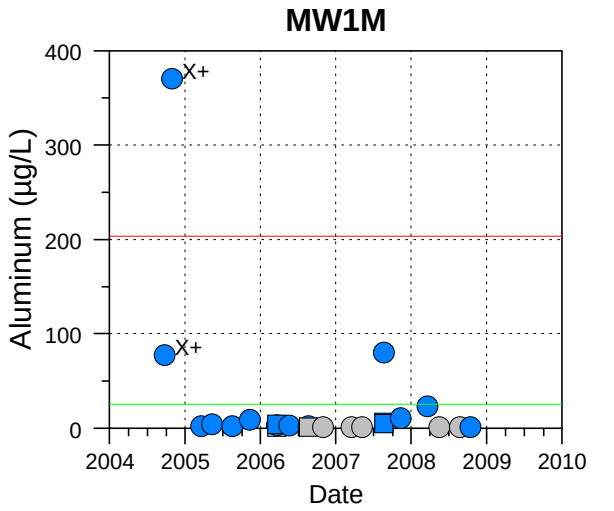

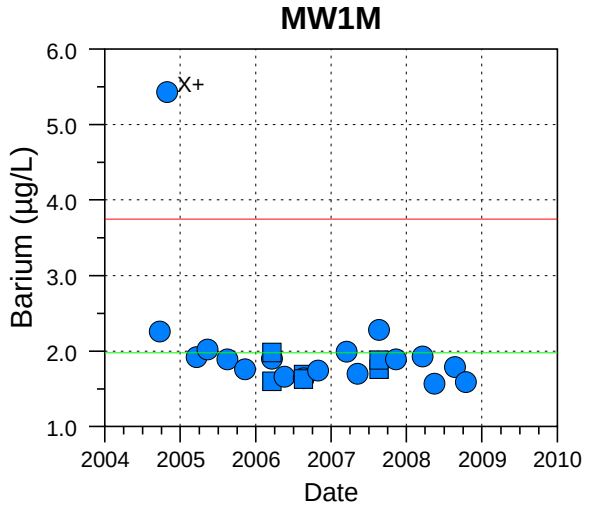

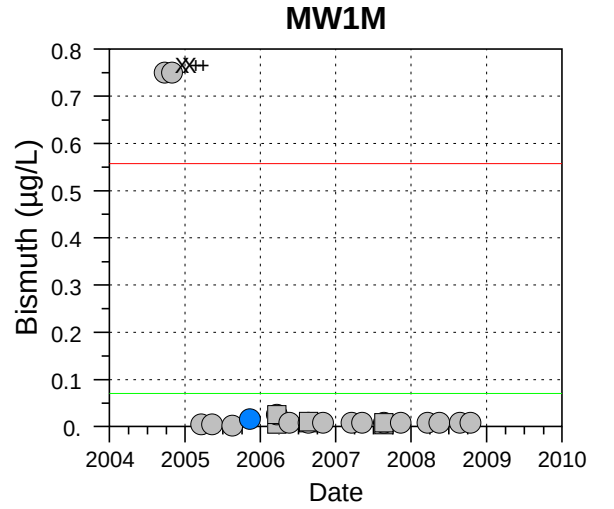

Legend

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- Quality Control Sample Result
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X+ outlier, very high value

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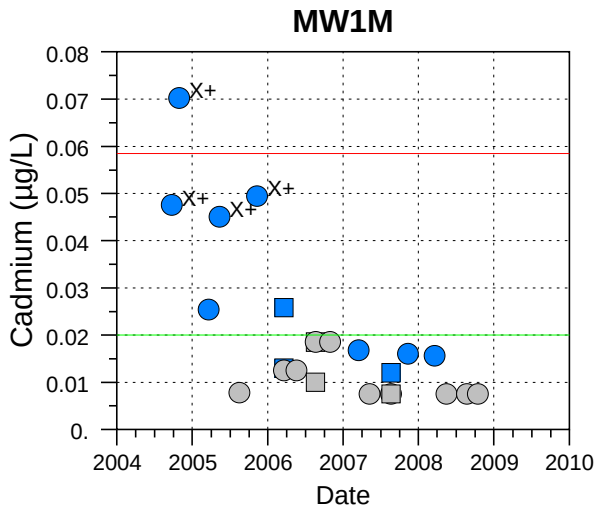

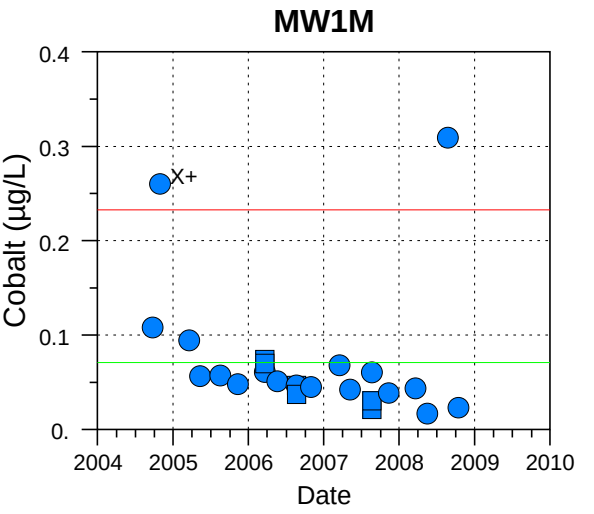

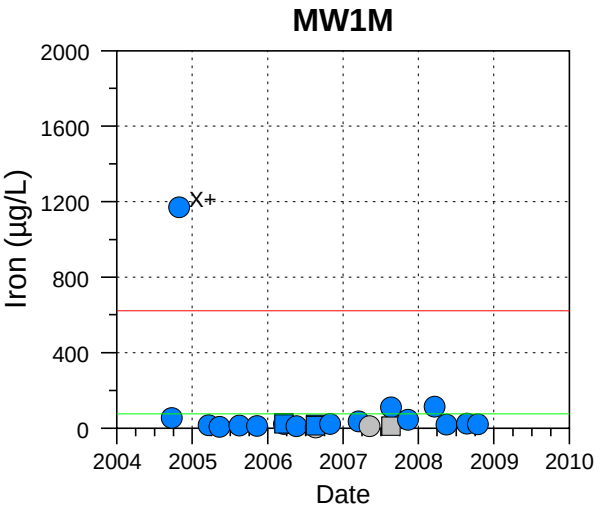

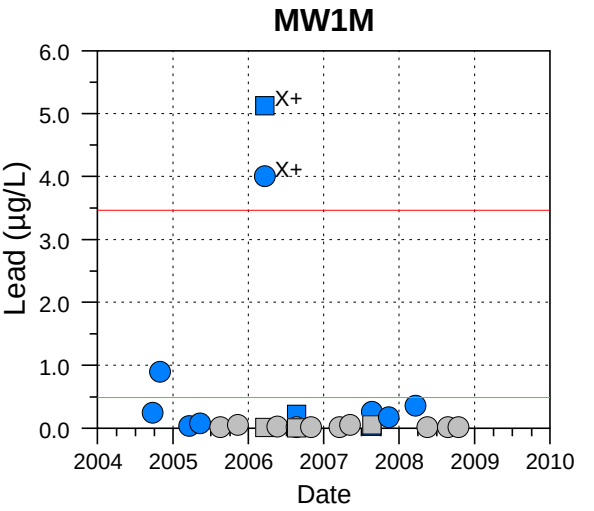

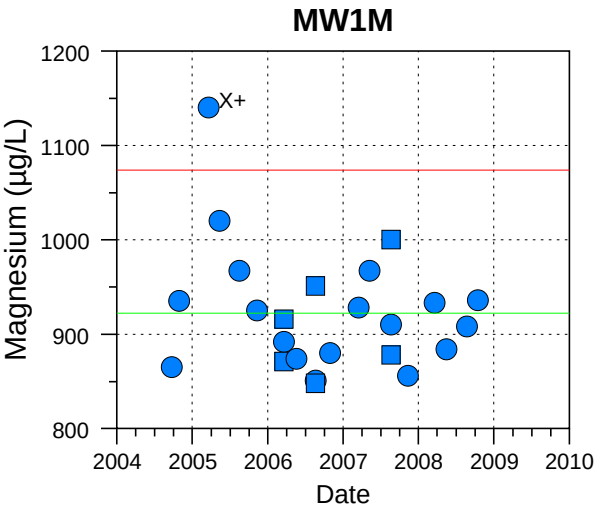

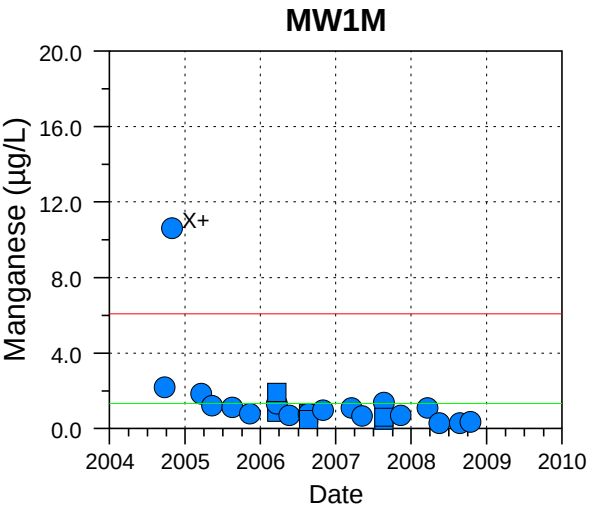

Legend

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- Upper 98% Confidence Level
- Mean
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X+ outlier, very high value

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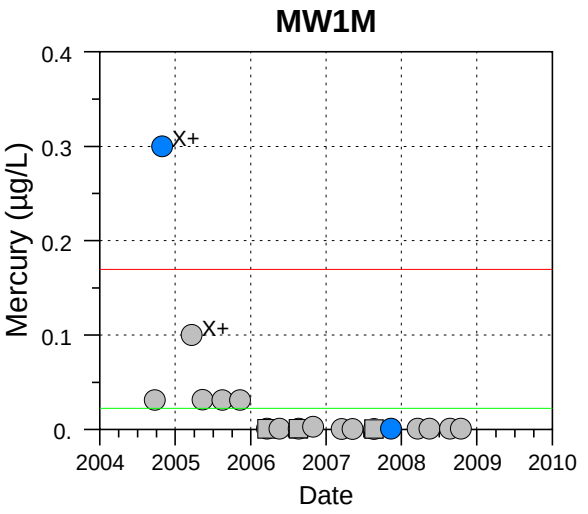

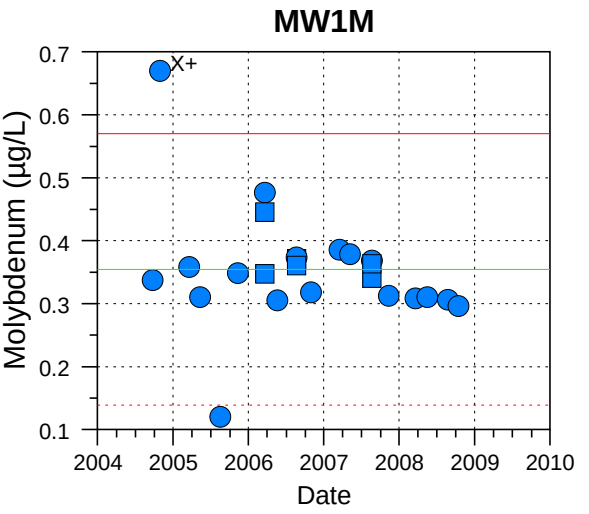

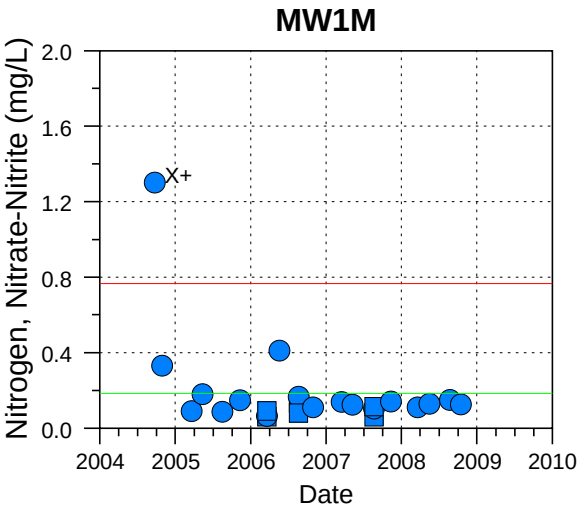

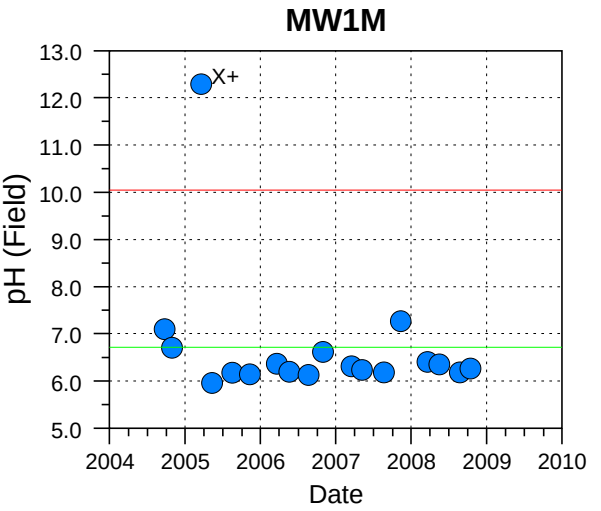

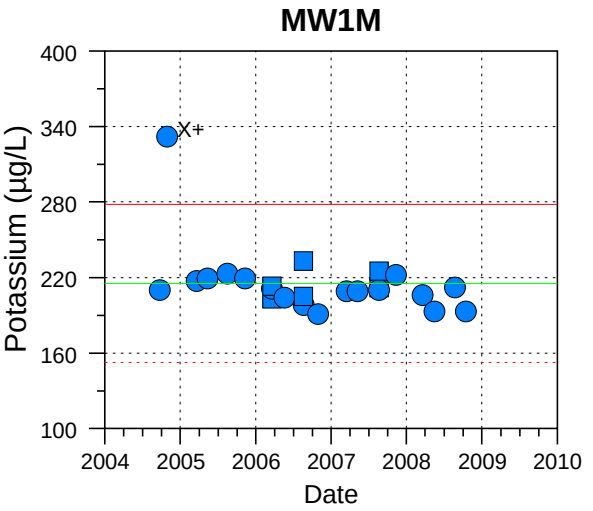

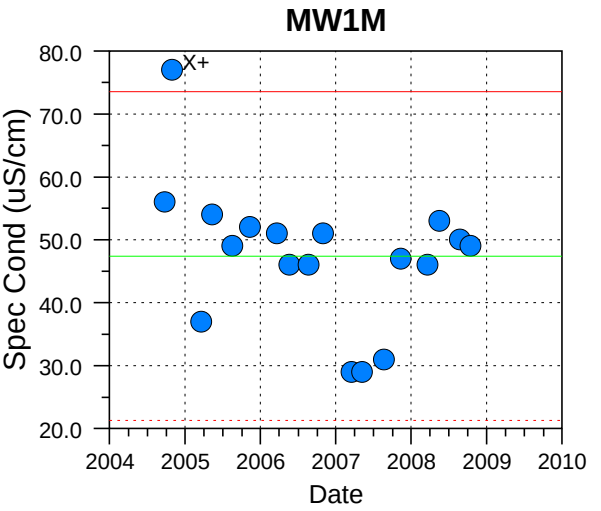

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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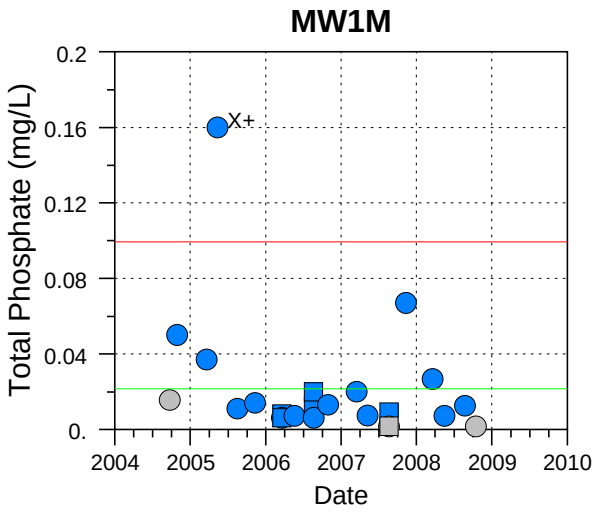
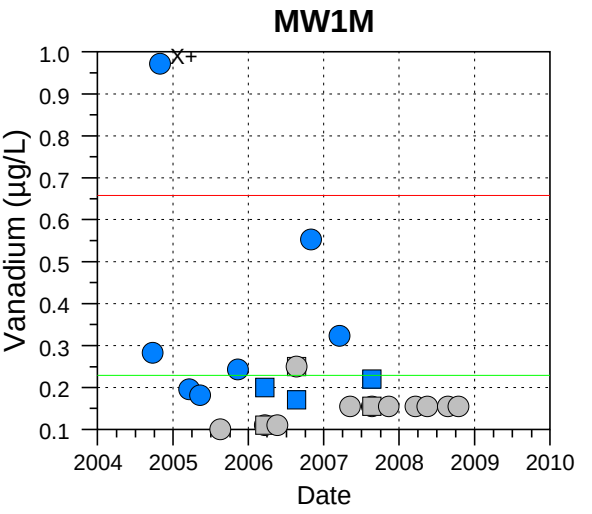
4. mg/L= milligrams per liter,
ug/L = micrograms per liter

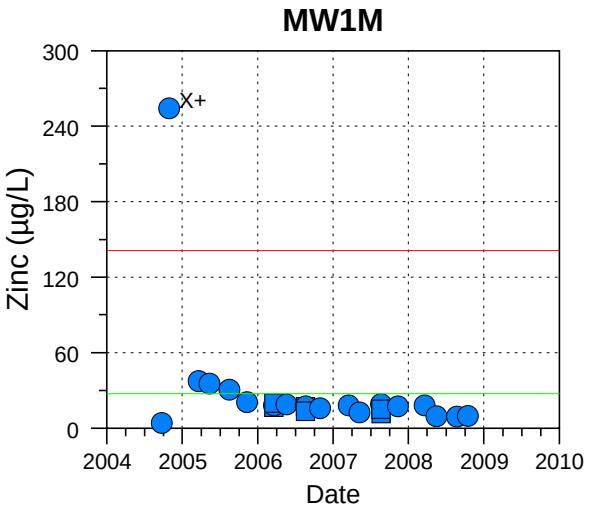
THE pebble PARTNERSHIP

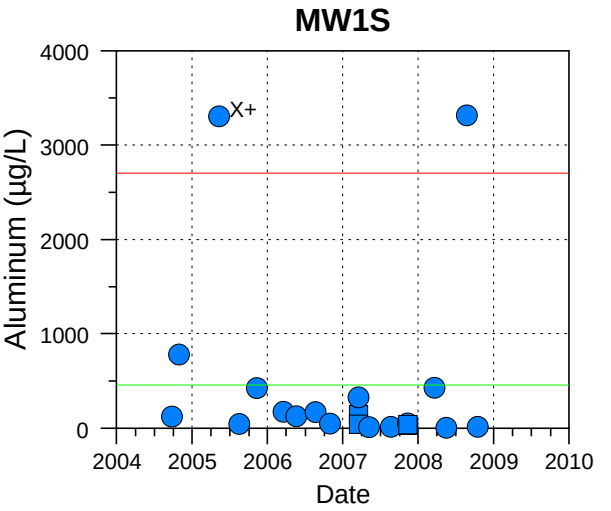
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

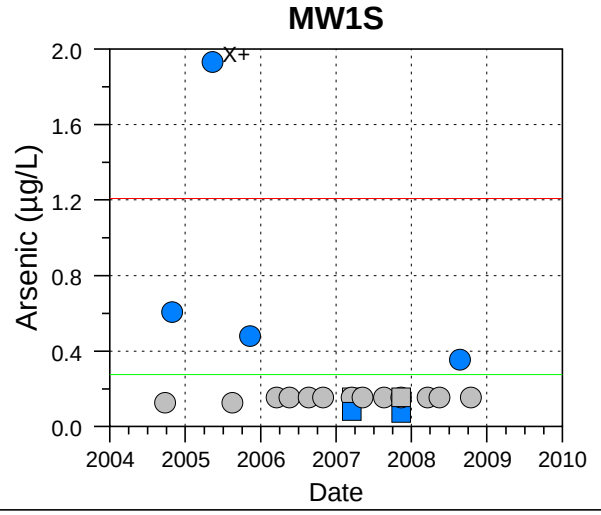
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

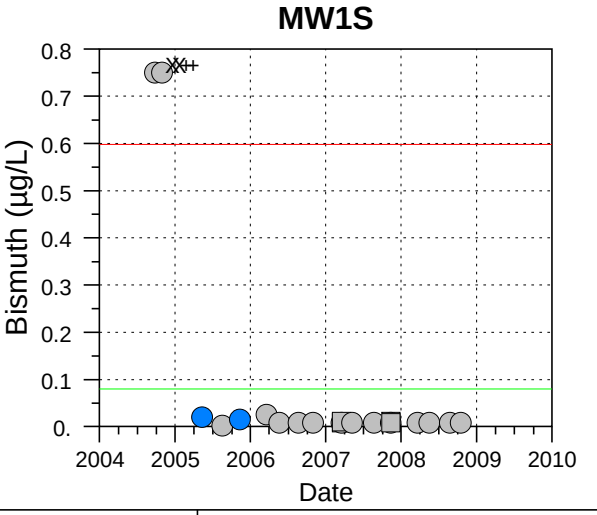












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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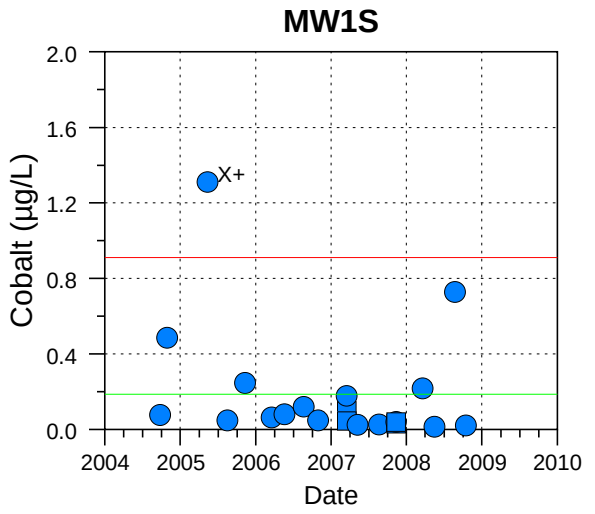
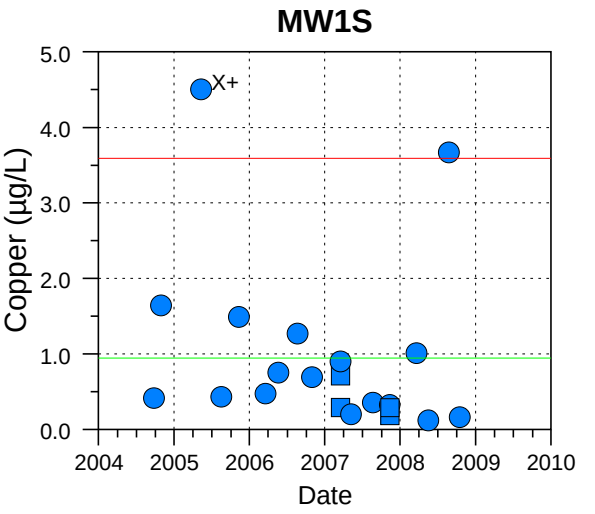
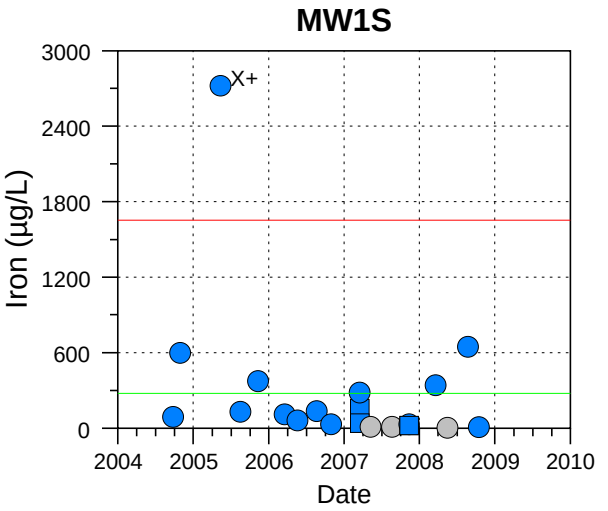
THE pebble PARTNERSHIP

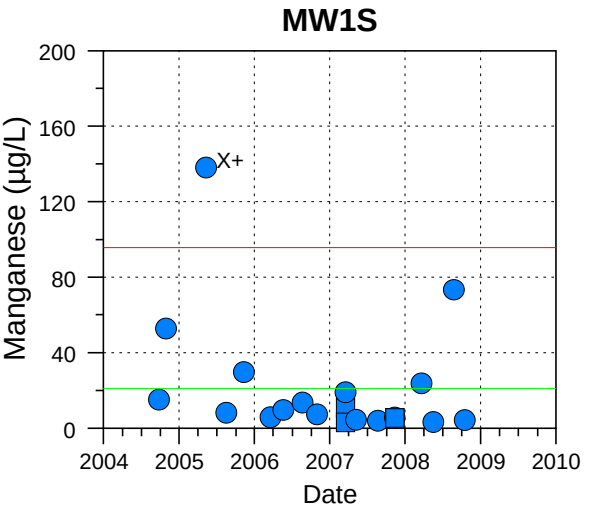
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

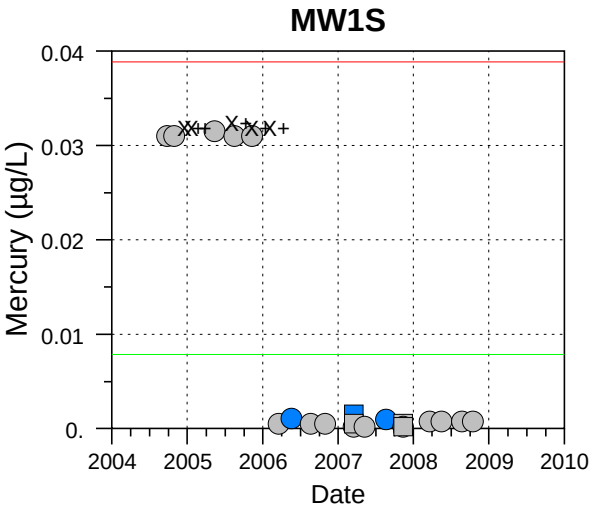
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

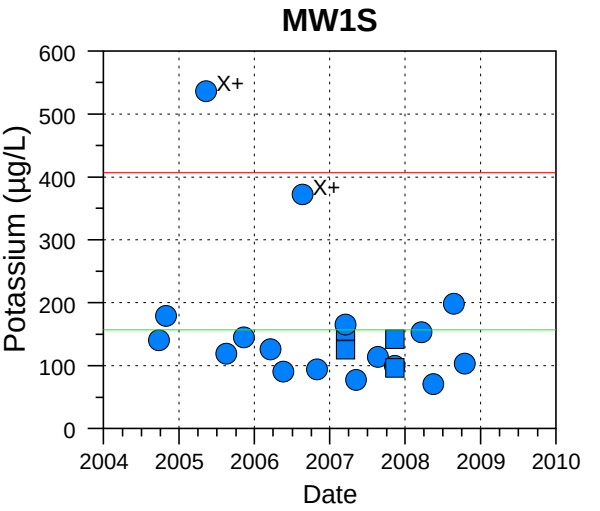












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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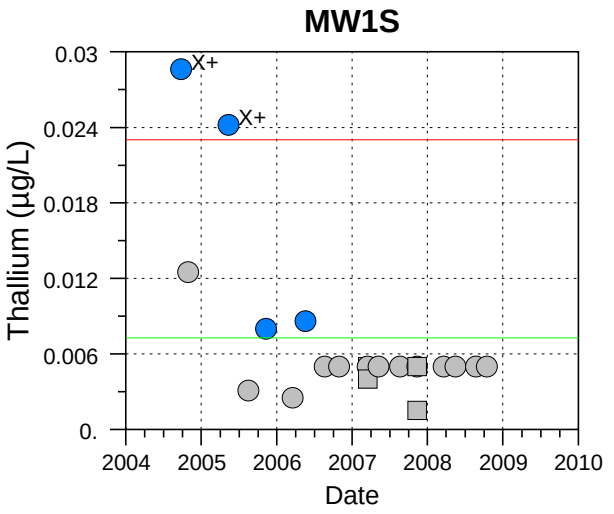
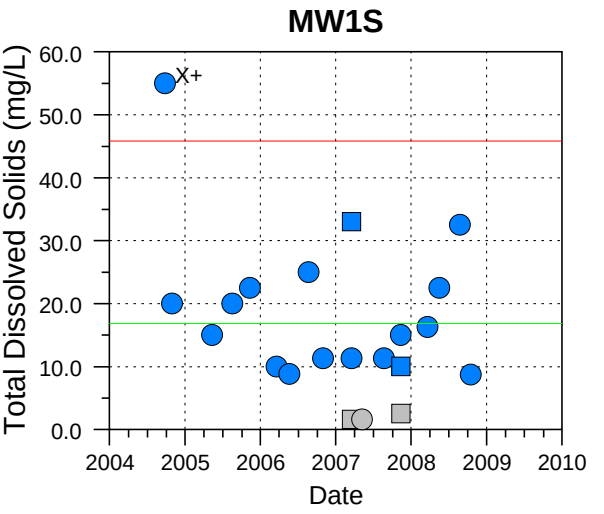
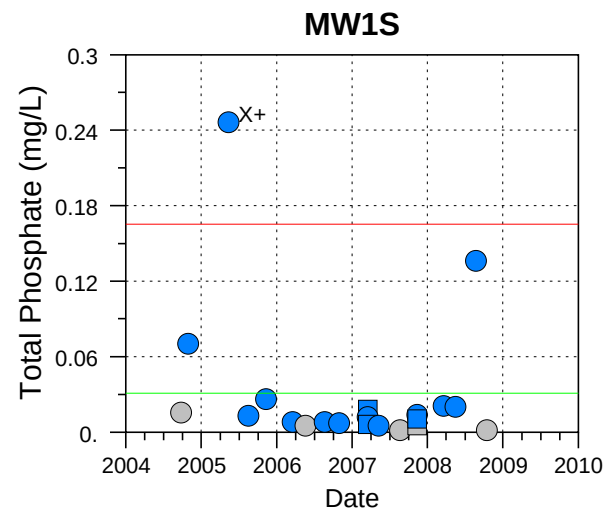
THE pebble PARTNERSHIP

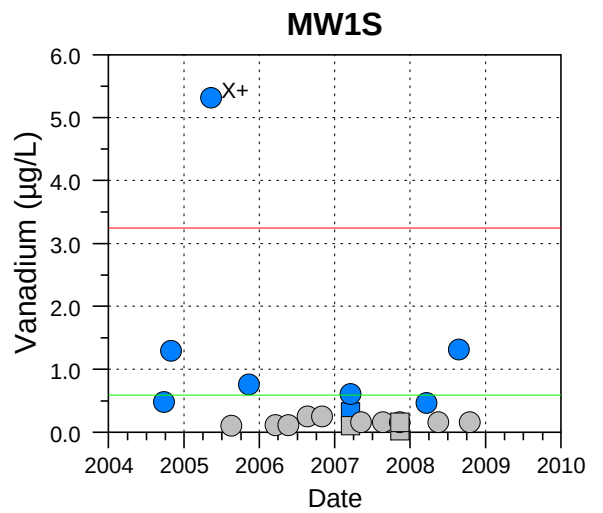
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

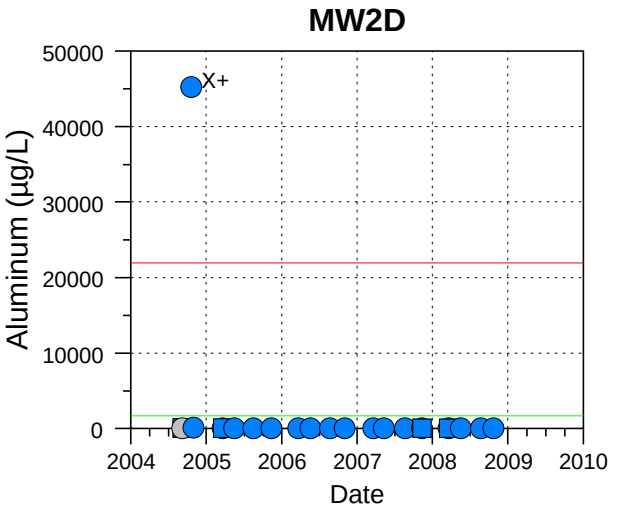
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

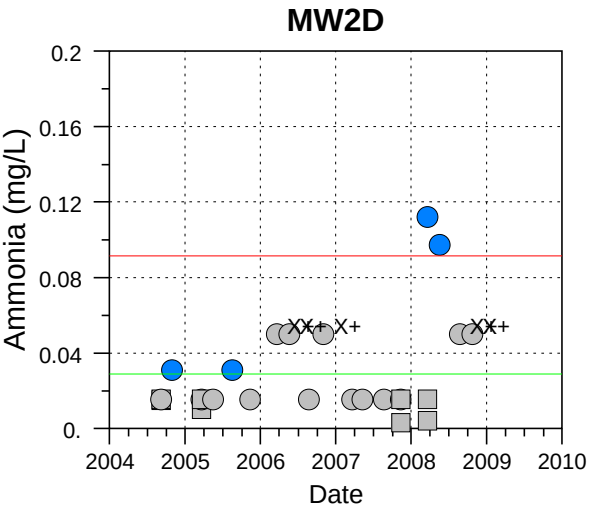












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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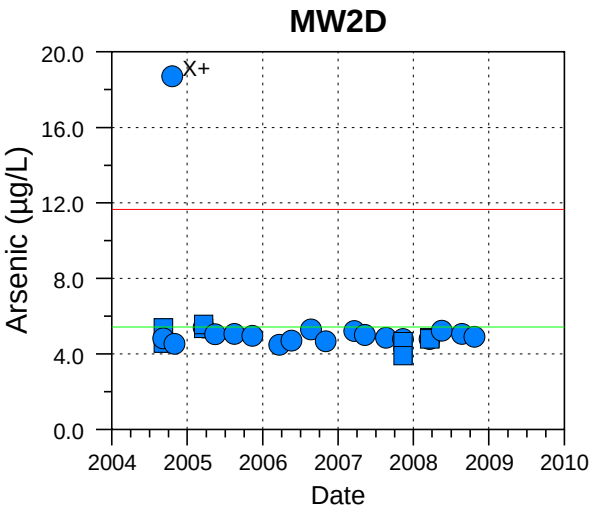
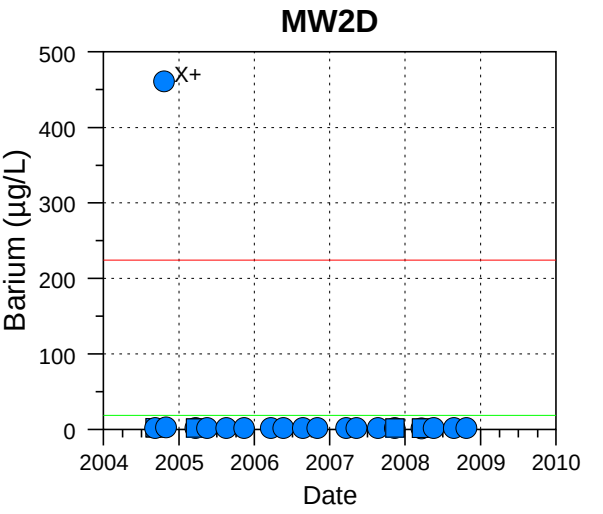
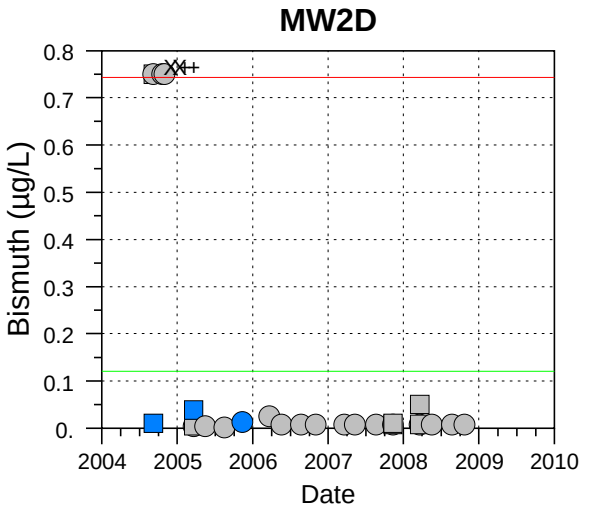
THE pebble PARTNERSHIP

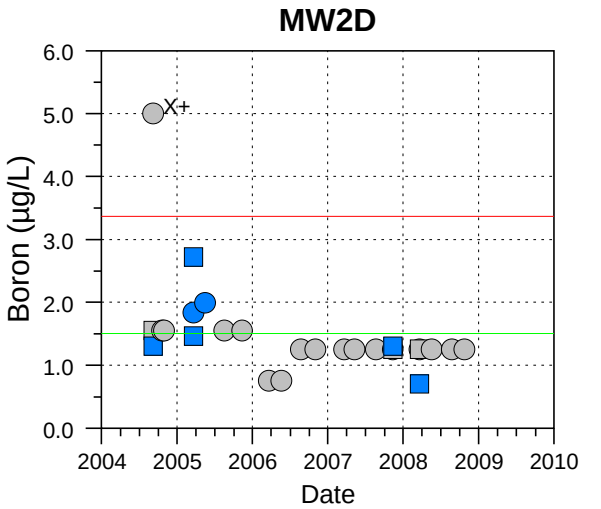
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

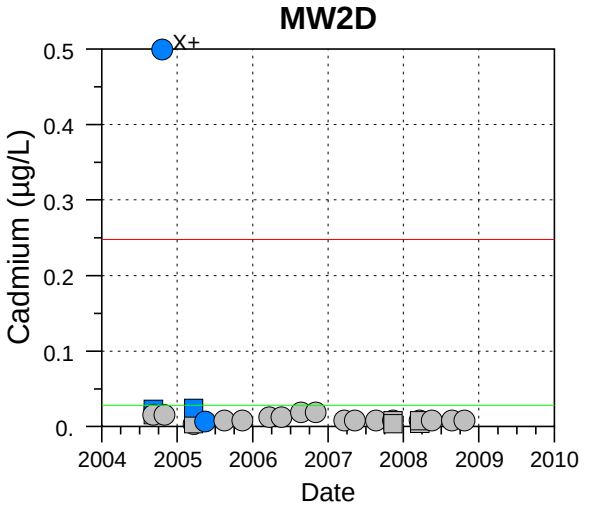
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

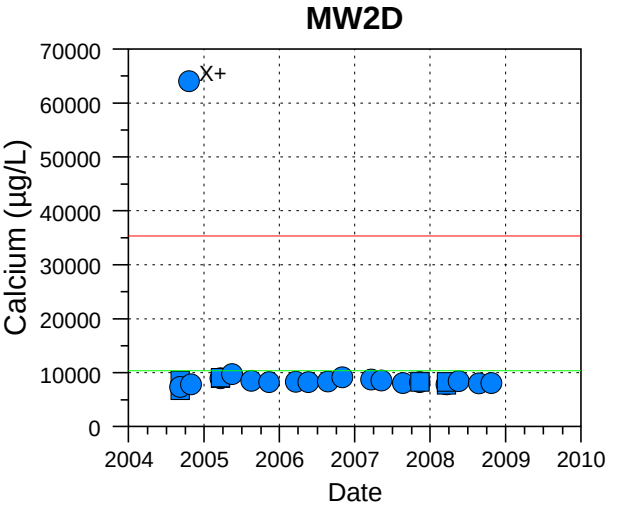












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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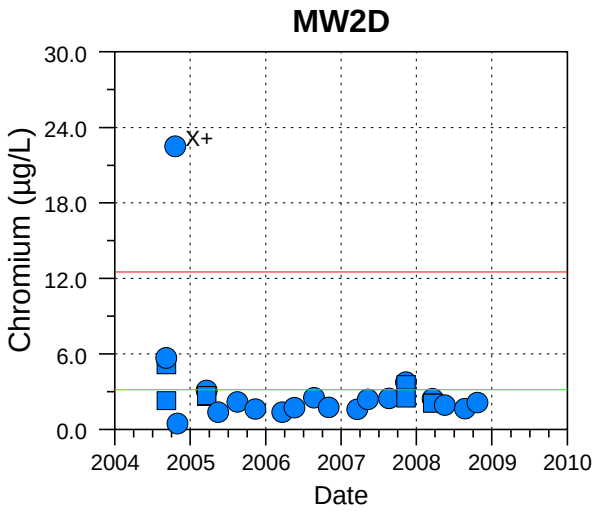
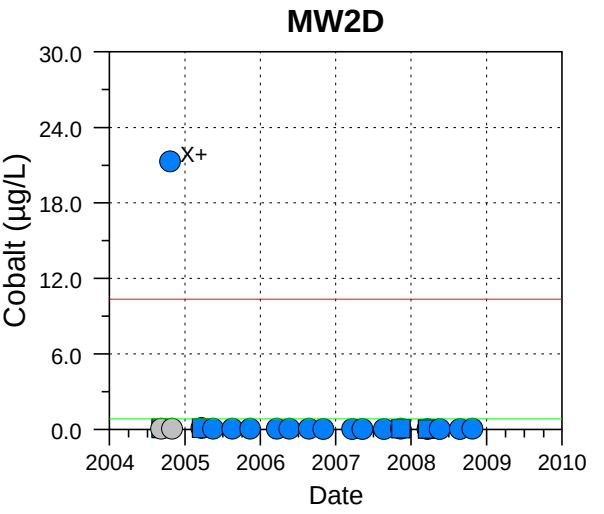
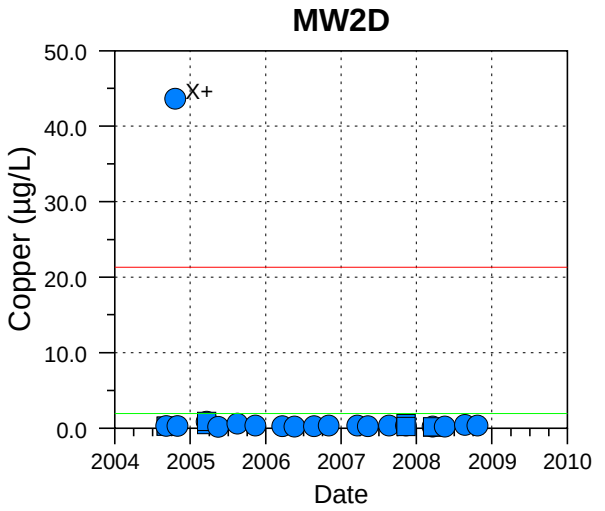
THE pebble PARTNERSHIP

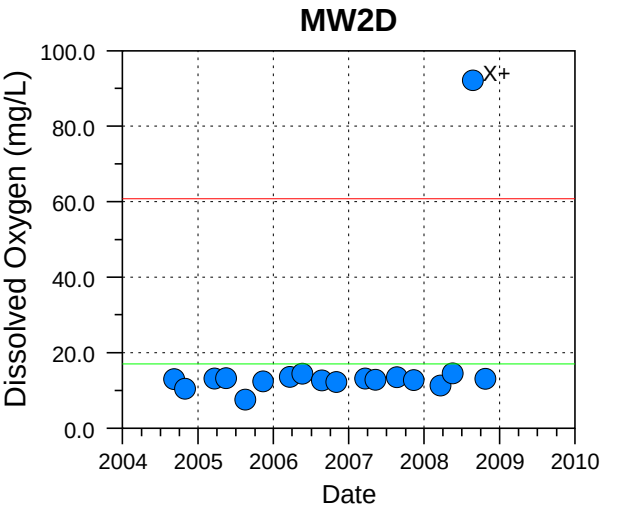
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

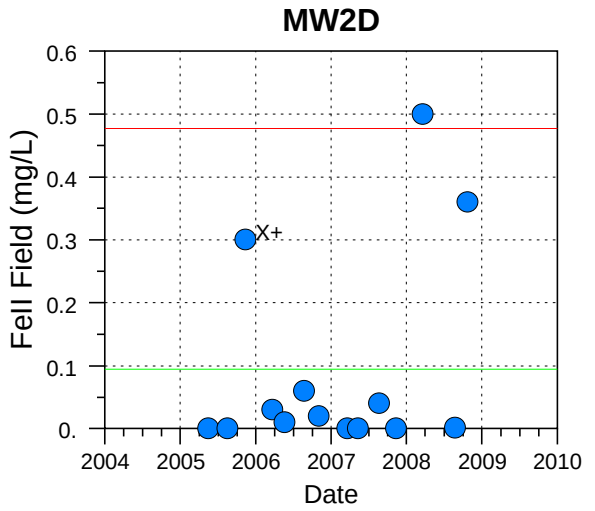
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

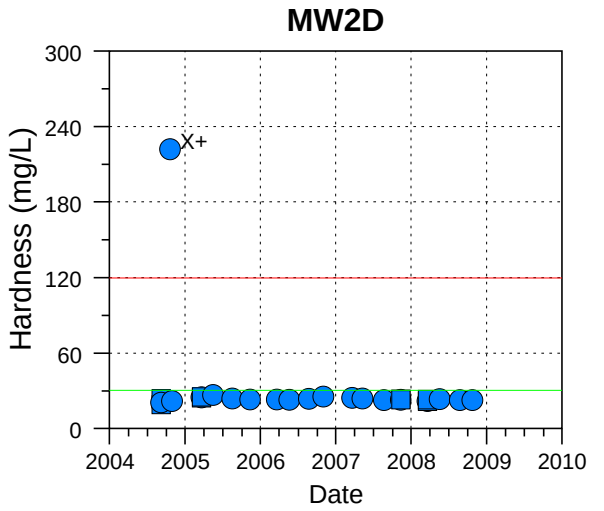












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-2
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Total Concentrations

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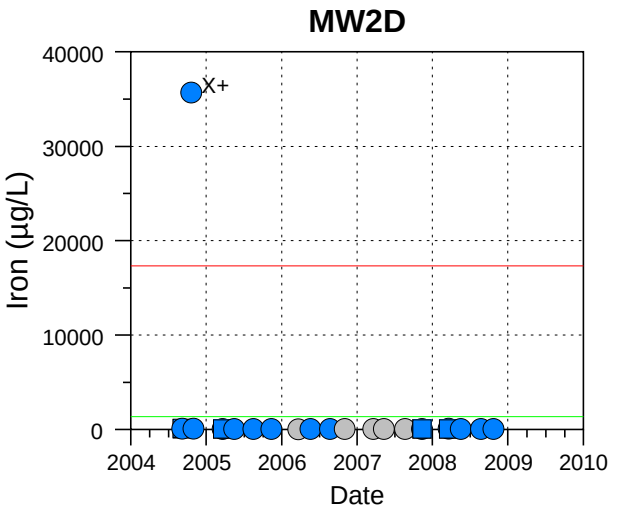

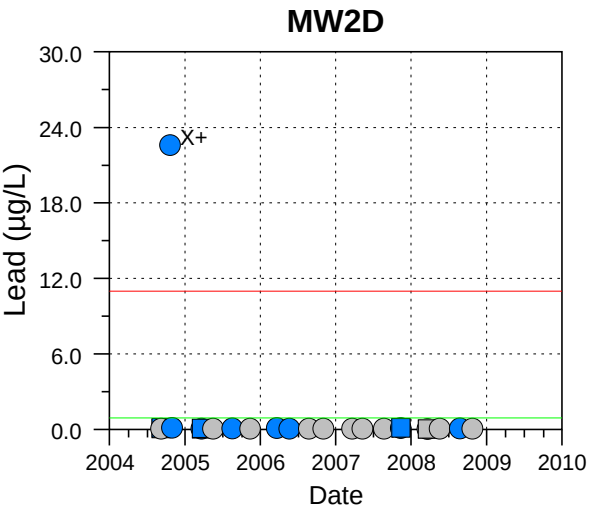

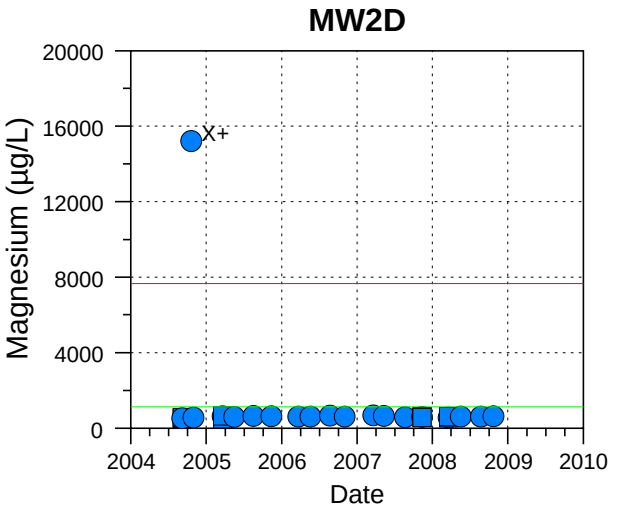

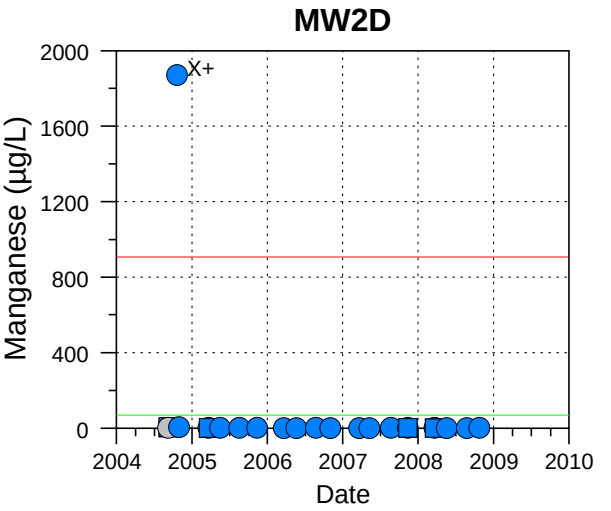

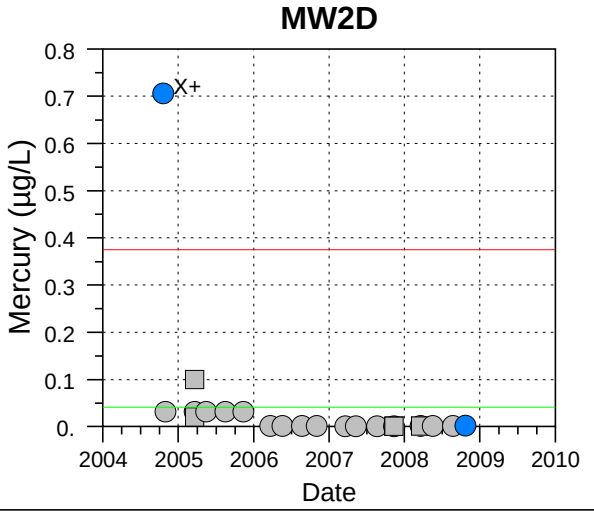

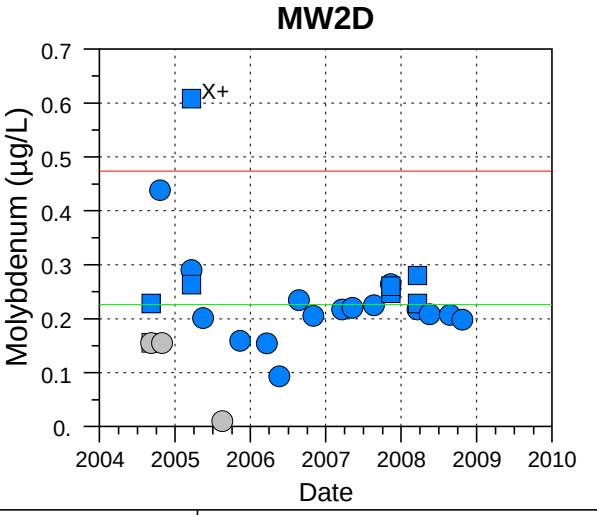

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Appendix 9.2C-2
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Total Concentrations

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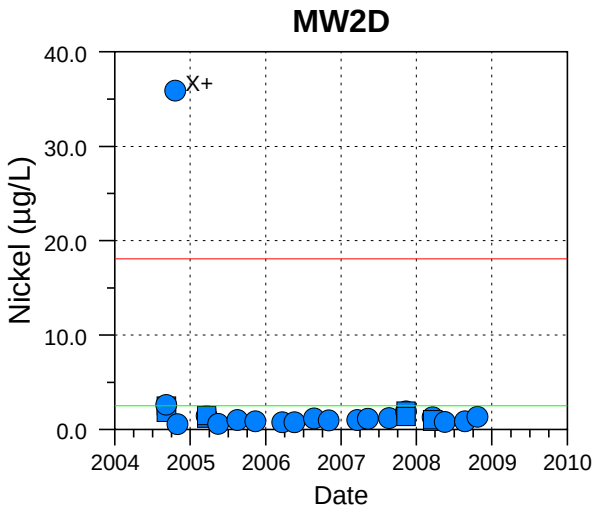

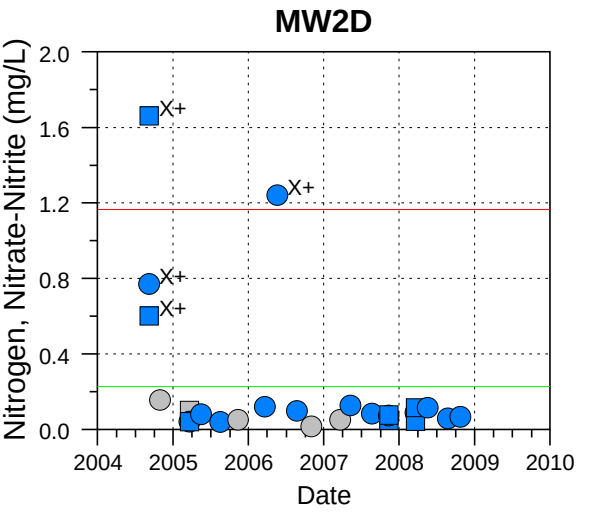

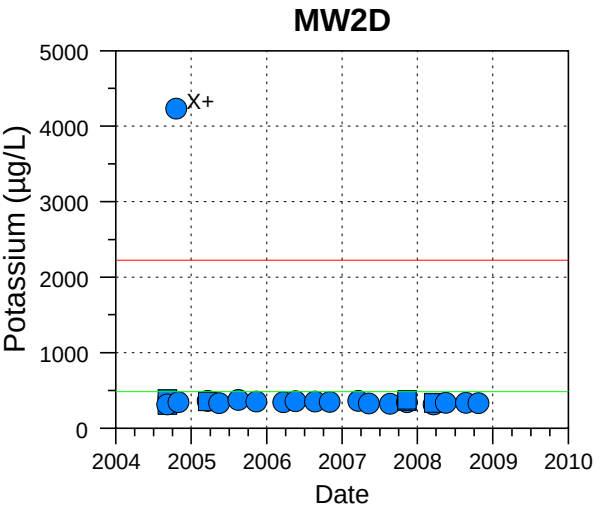

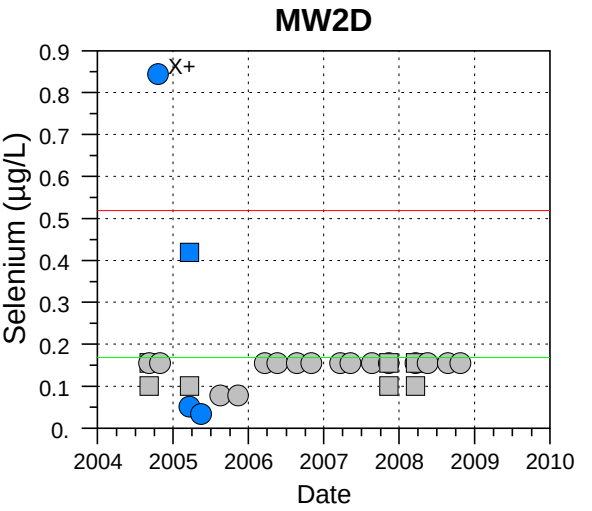

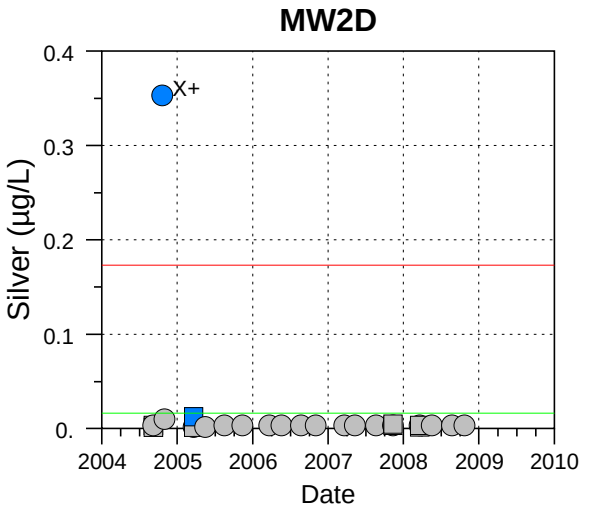

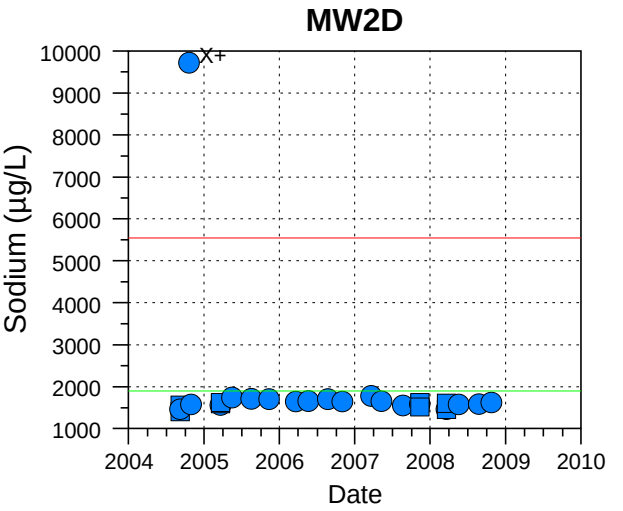

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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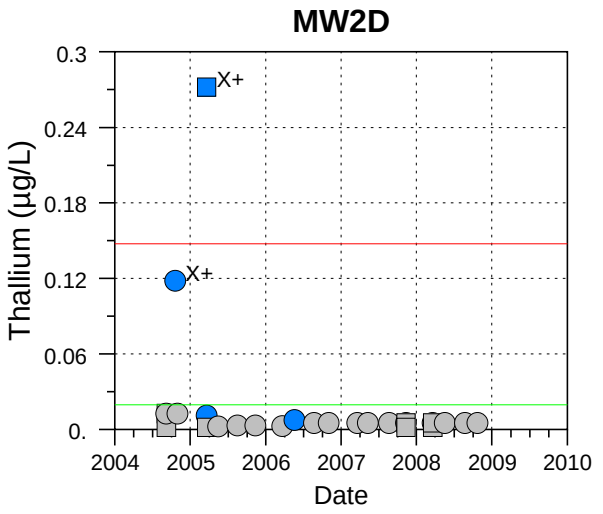
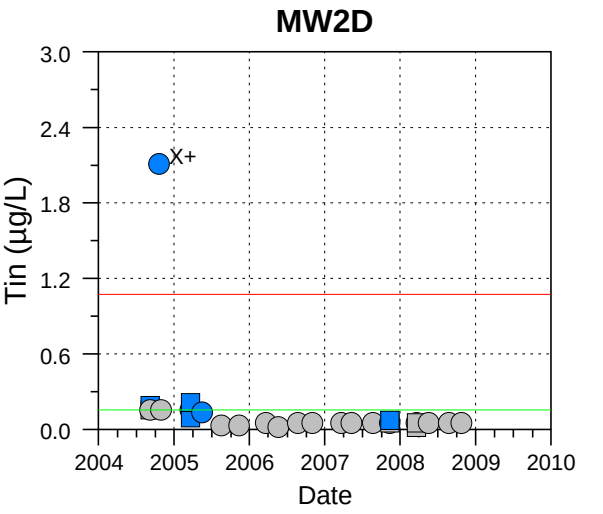
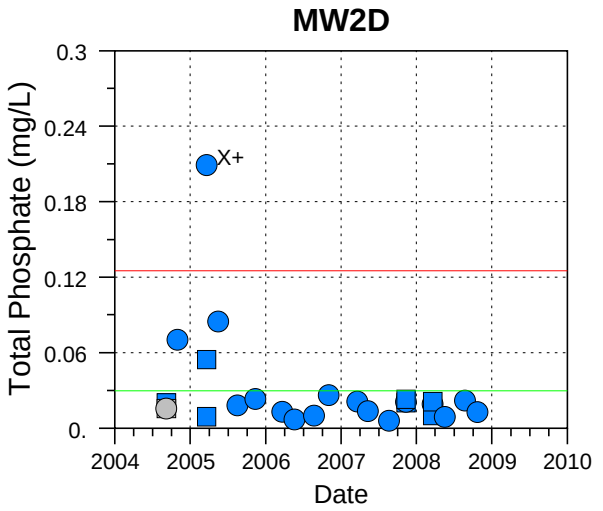
THE pebble PARTNERSHIP

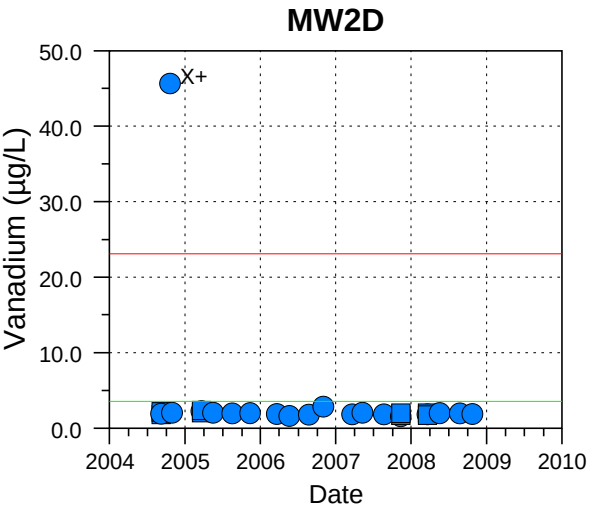
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

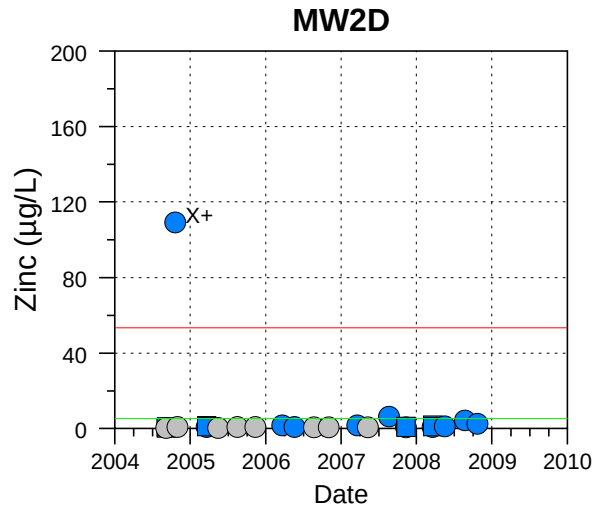
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

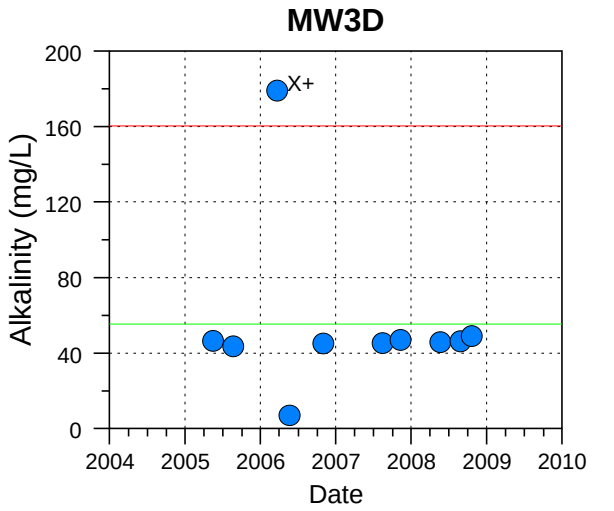












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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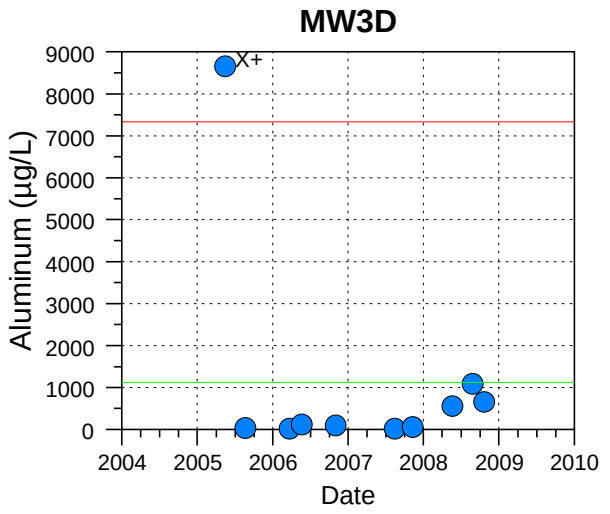

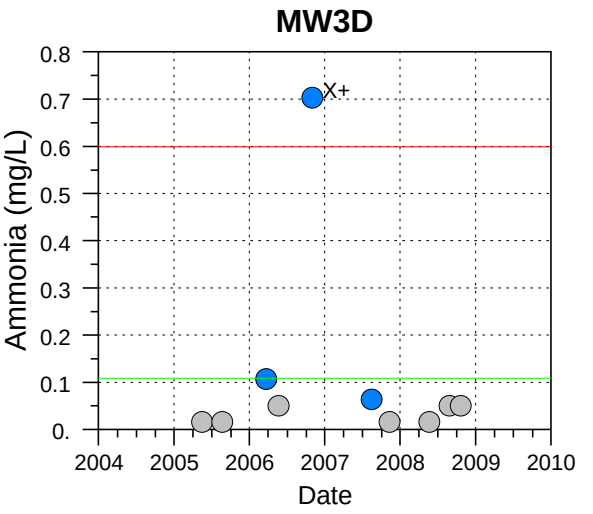

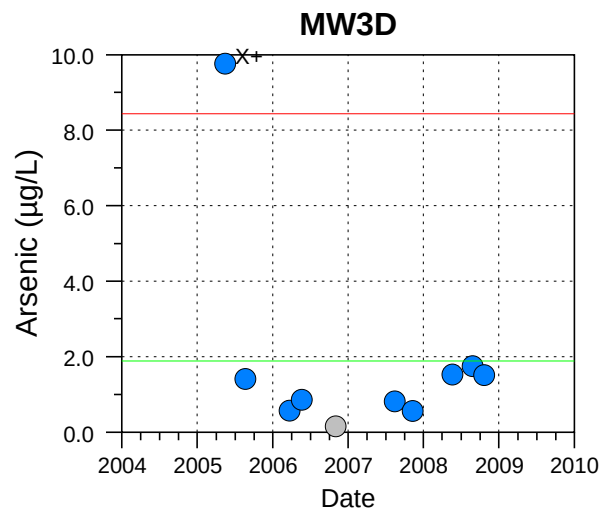

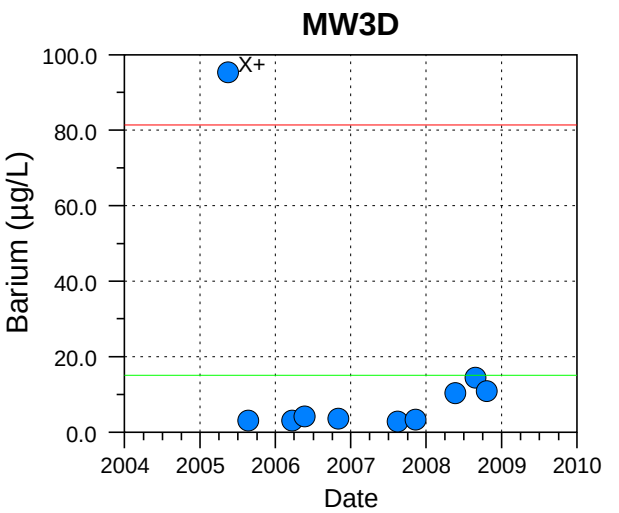

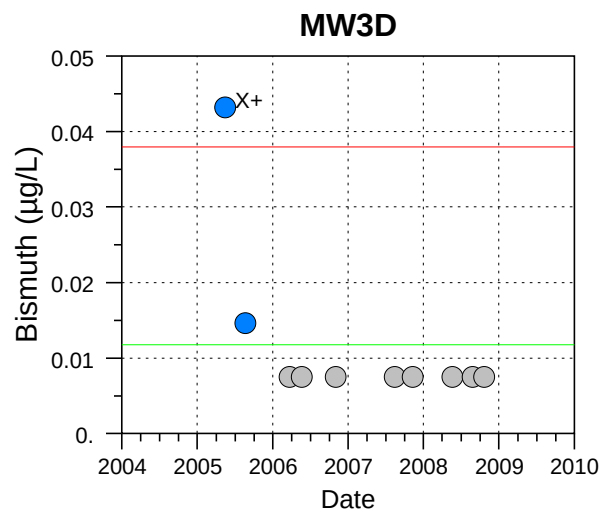

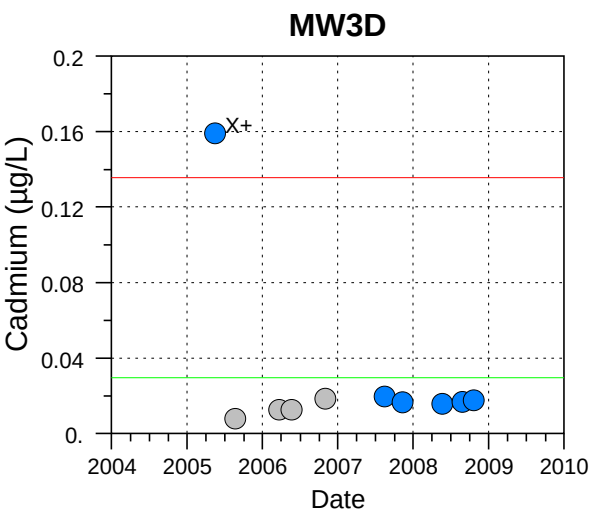

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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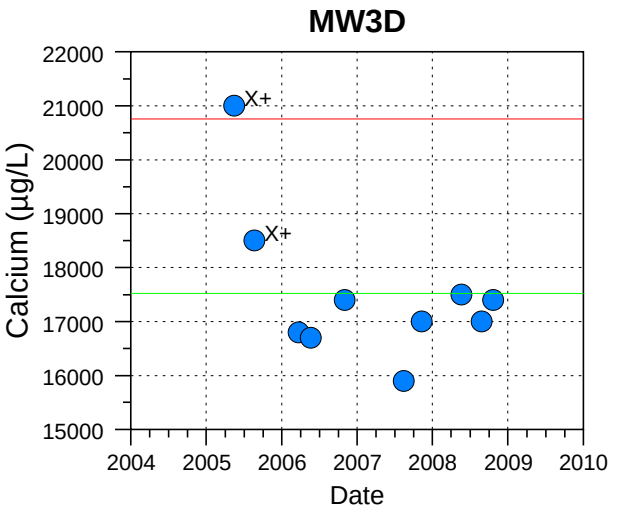
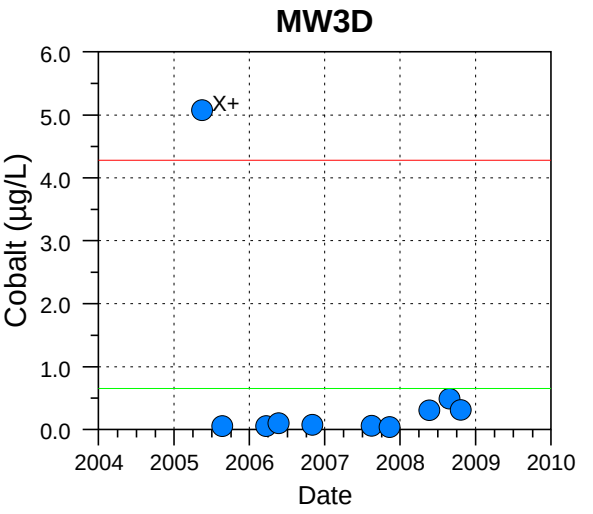
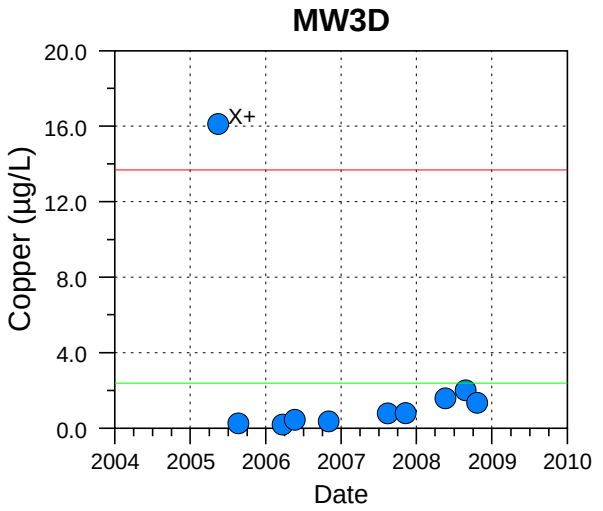
THE pebble PARTNERSHIP

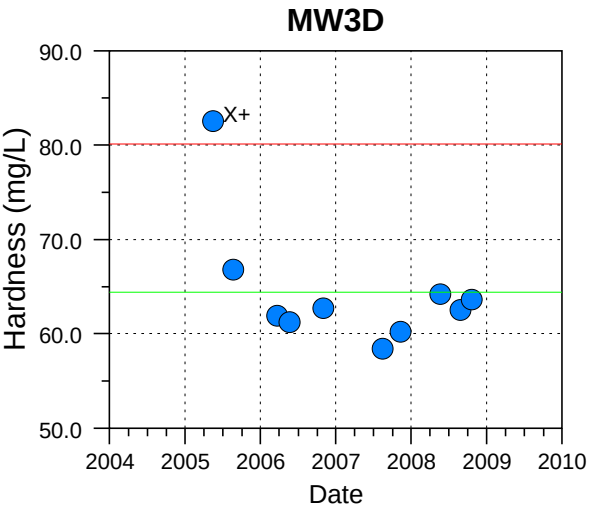
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

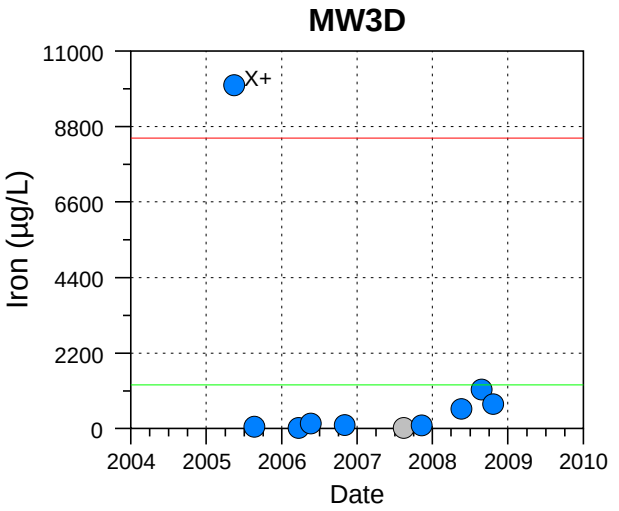
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

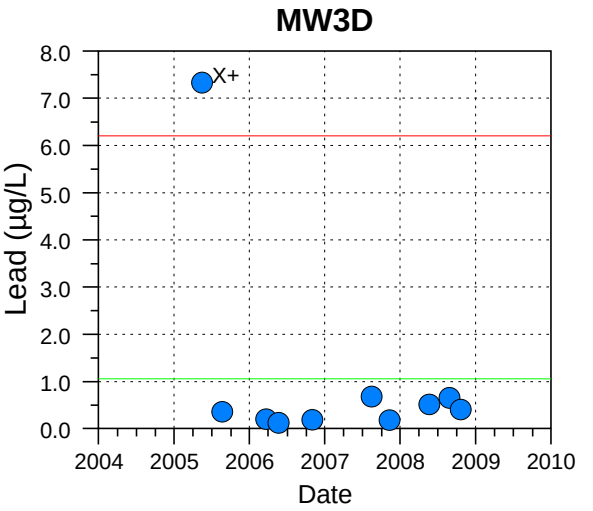












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

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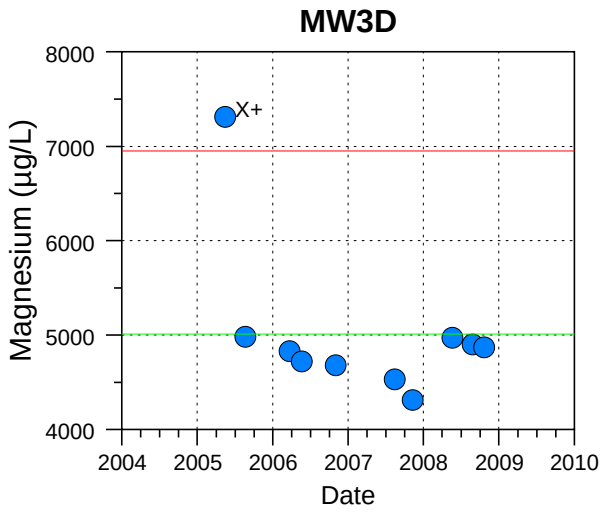

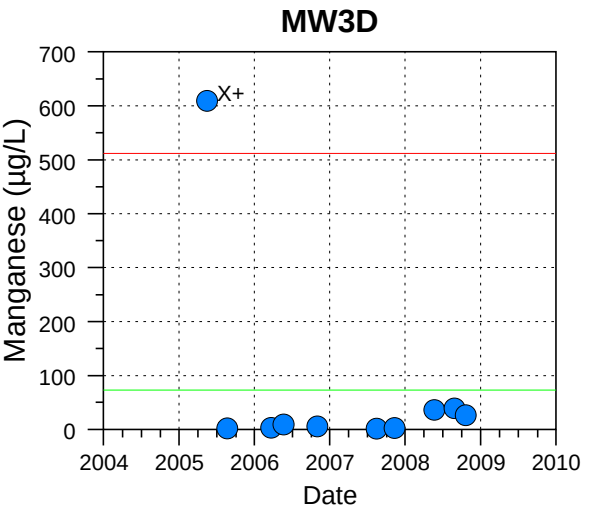

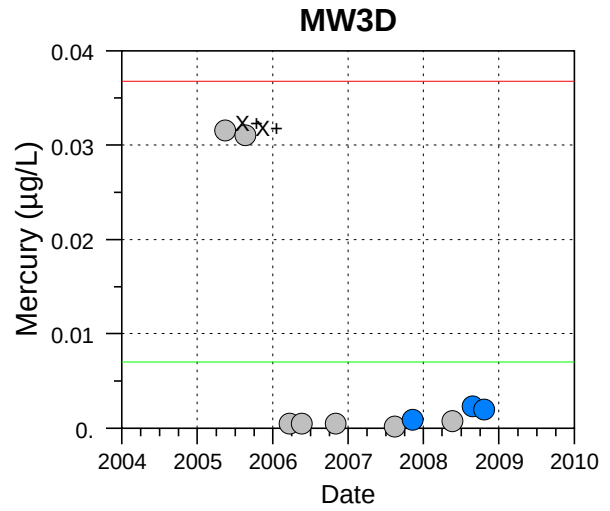

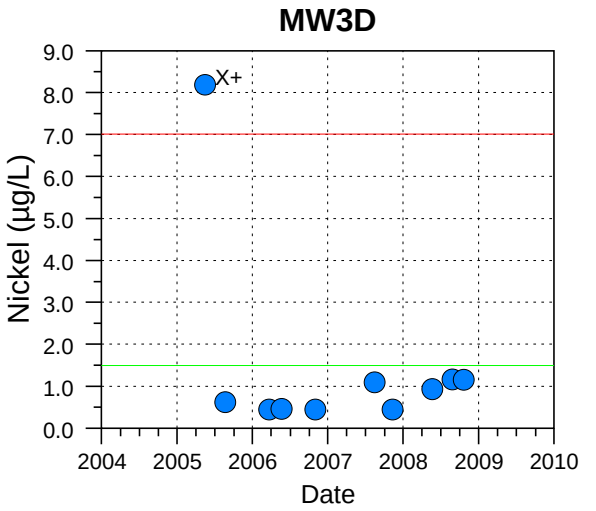

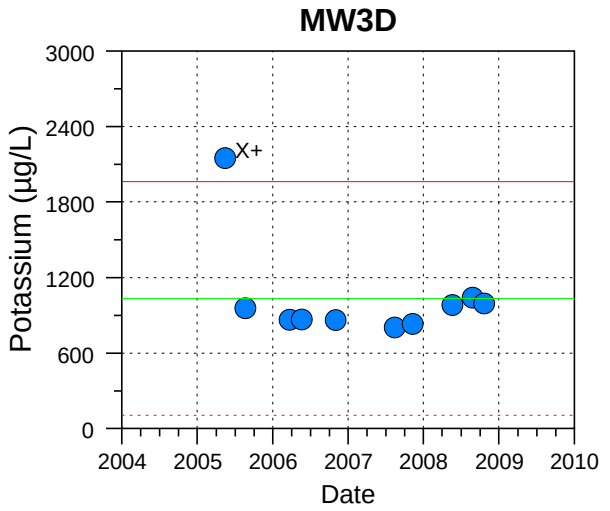

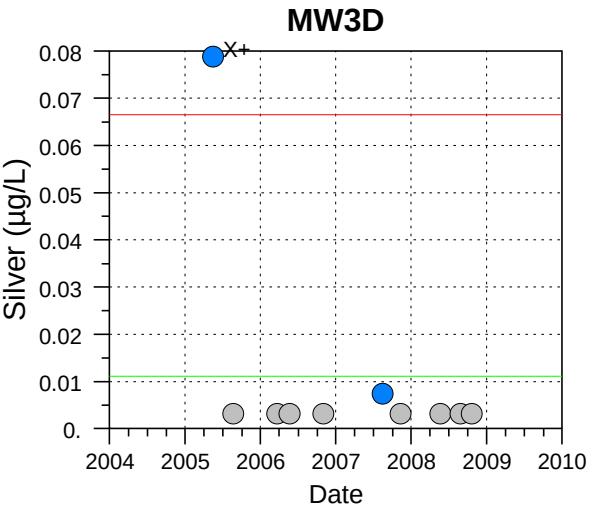

Legend

- Analytical Result
- Quality Control Sample Result
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- Mean
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X+ outlier, very high value

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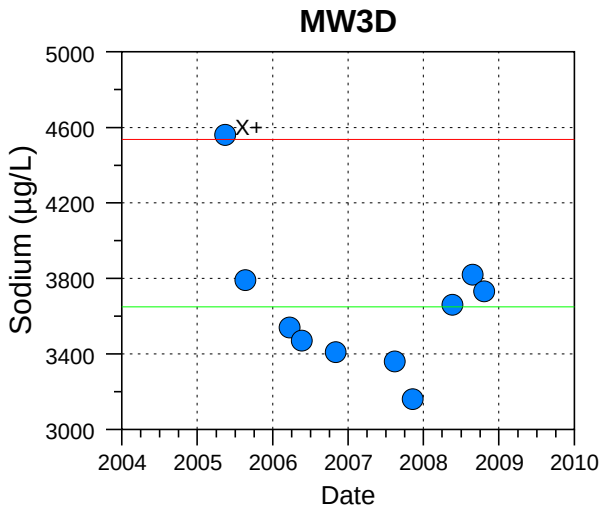

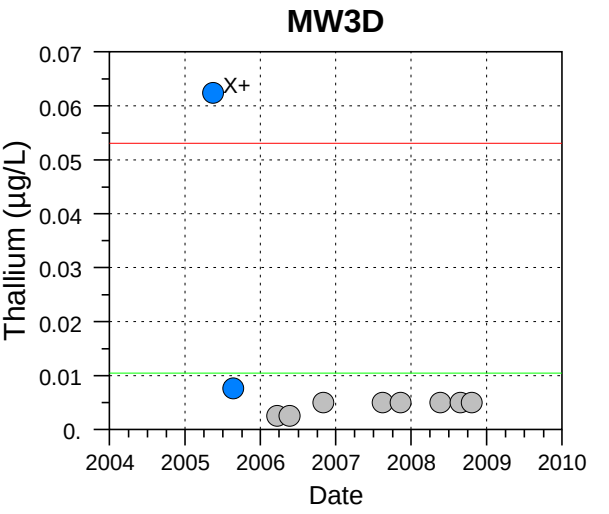

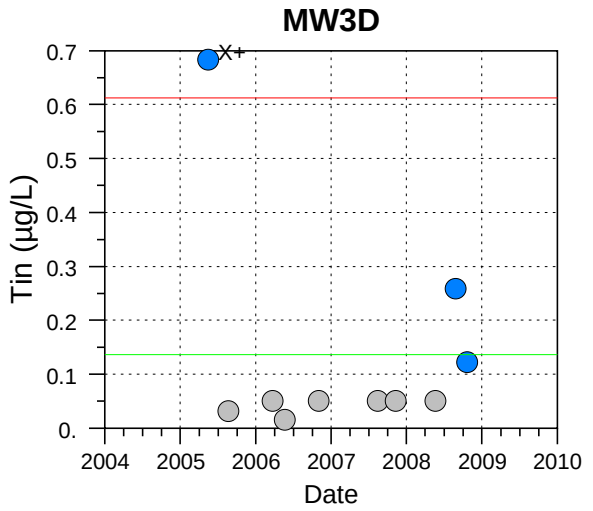

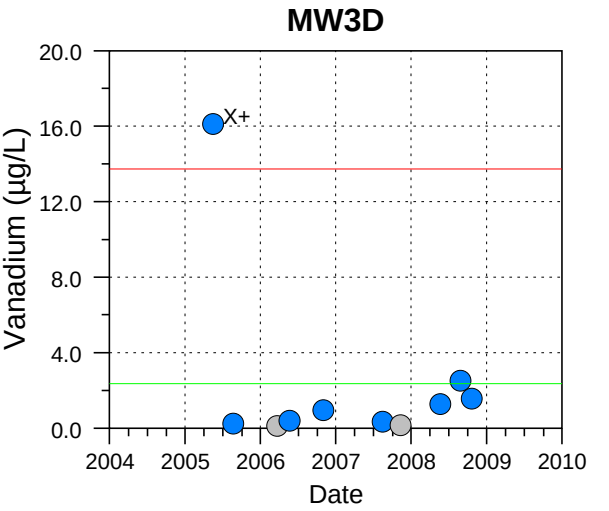

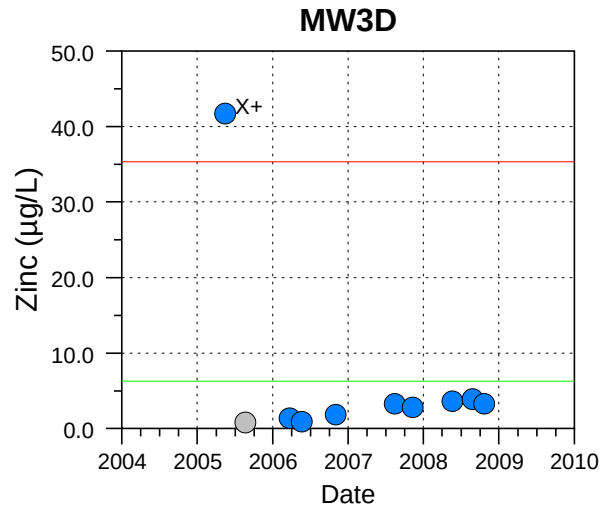

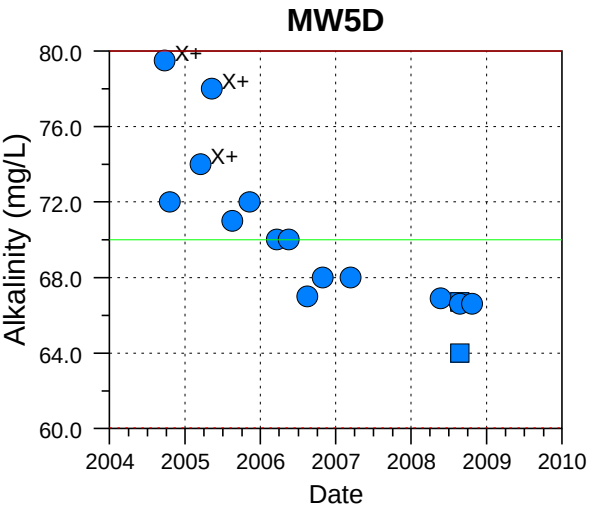

Legend

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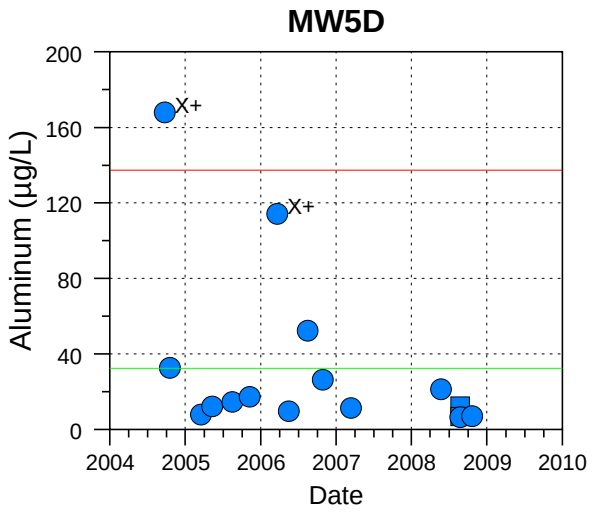

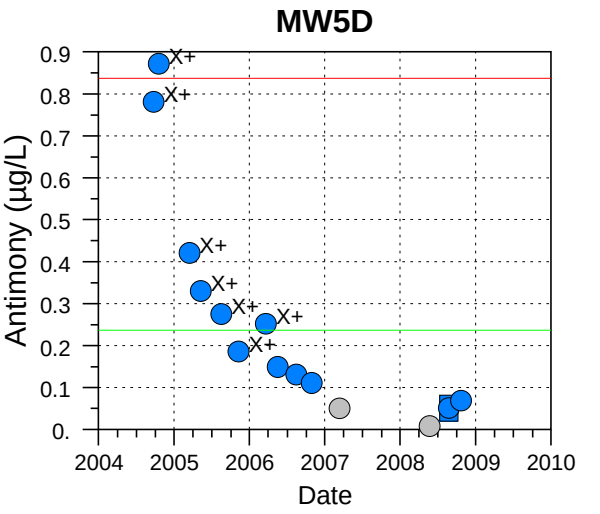

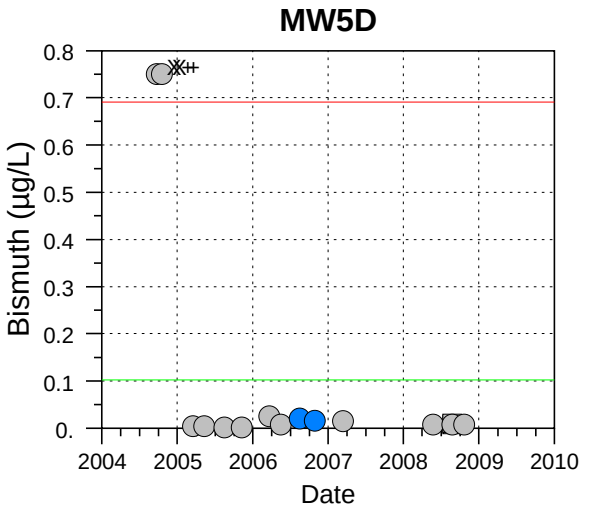

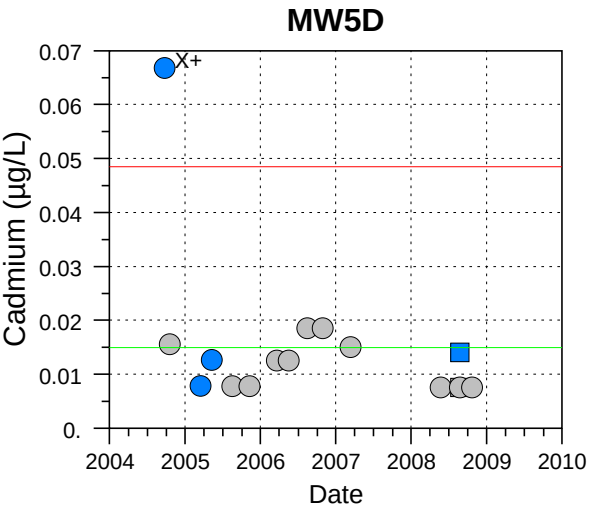

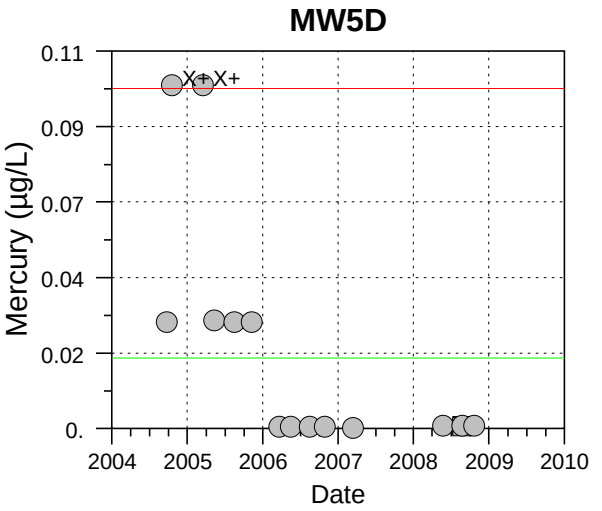

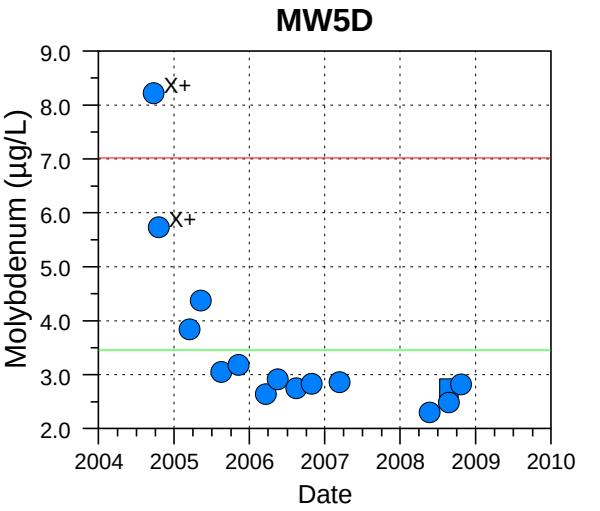

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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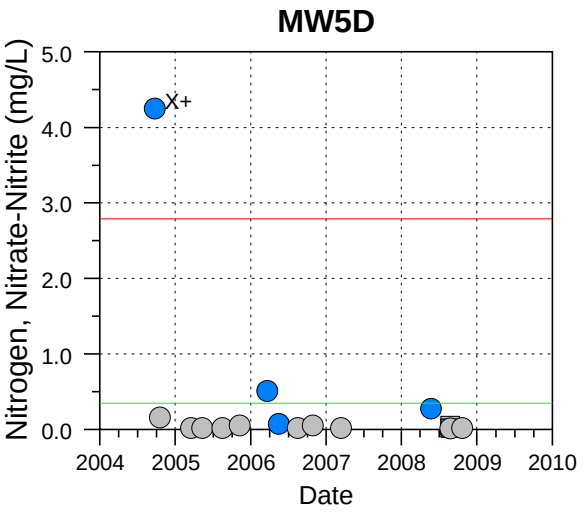

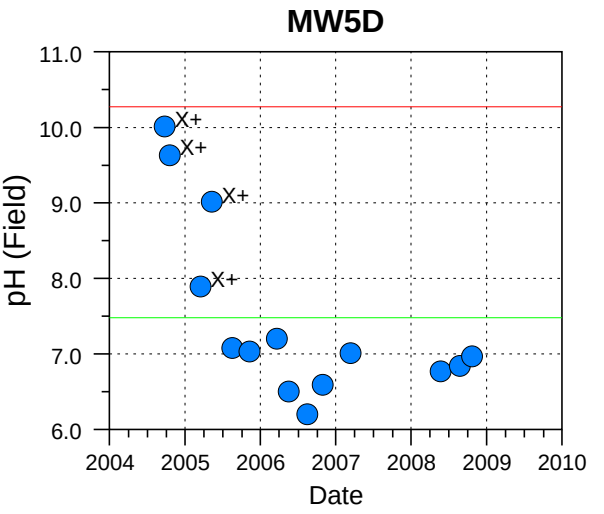

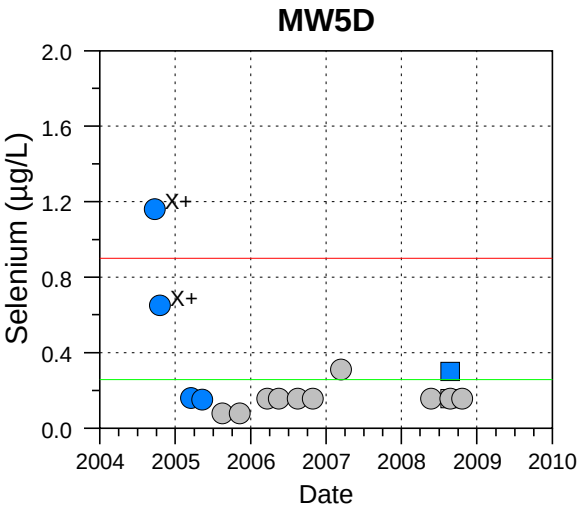

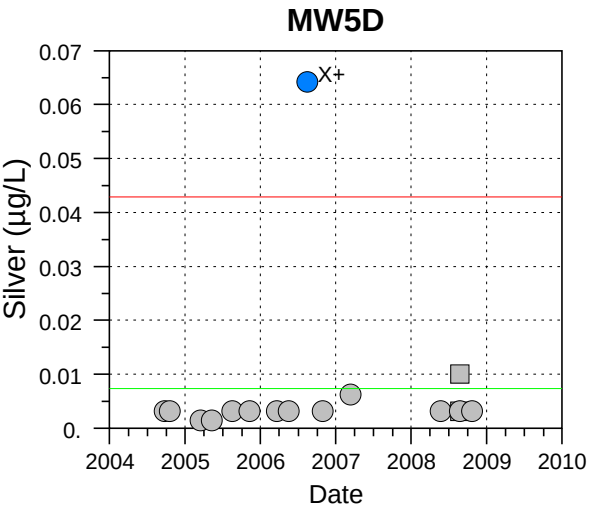

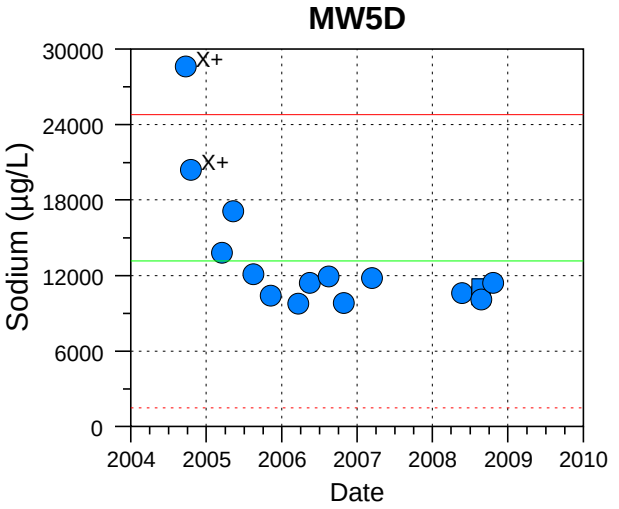

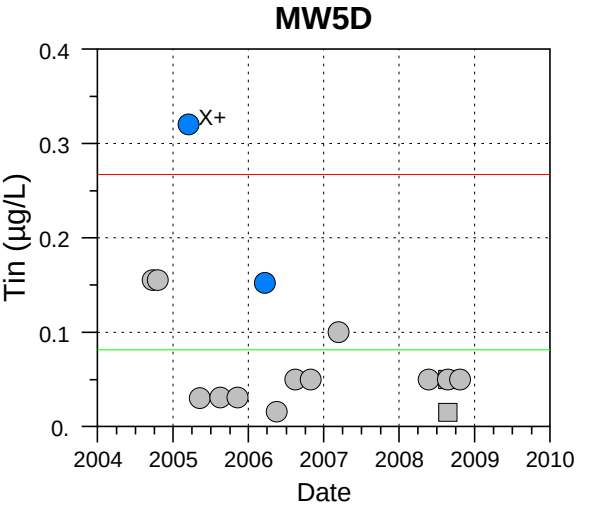

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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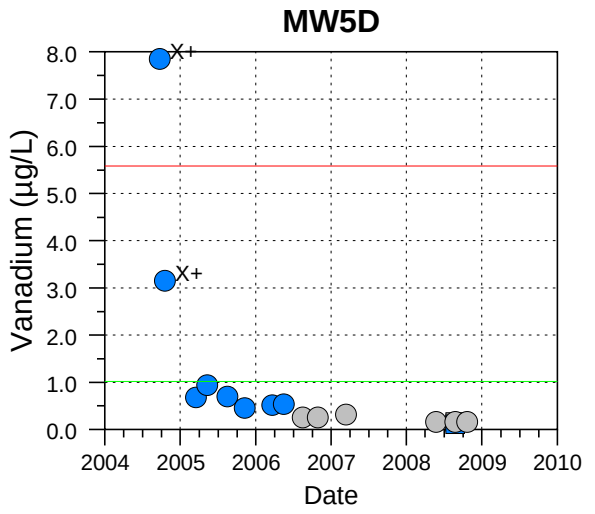

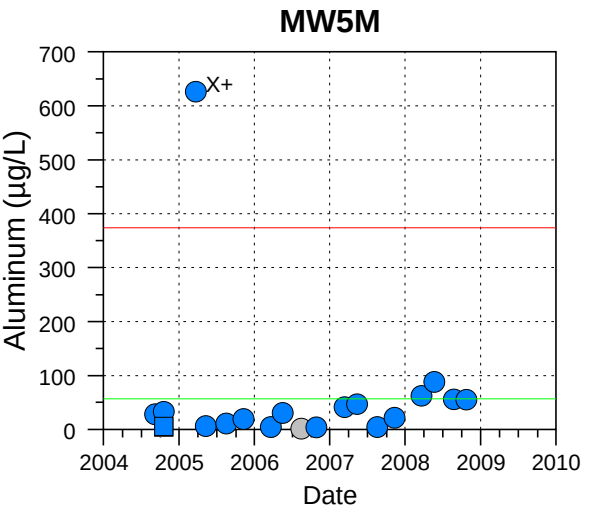

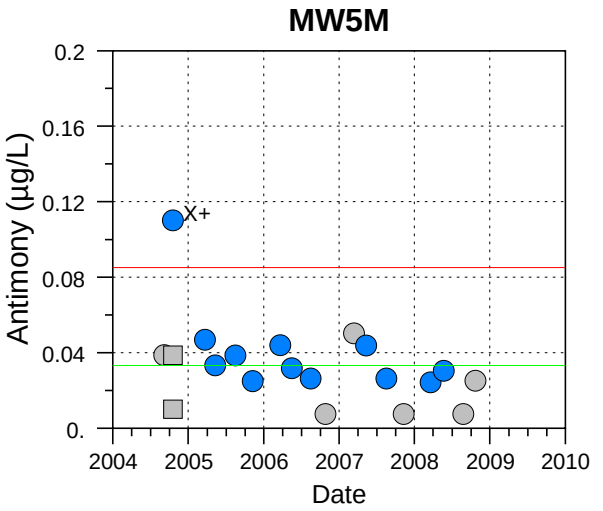

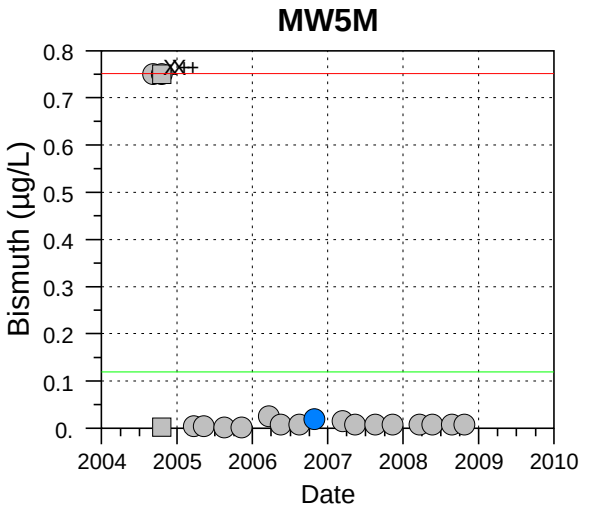

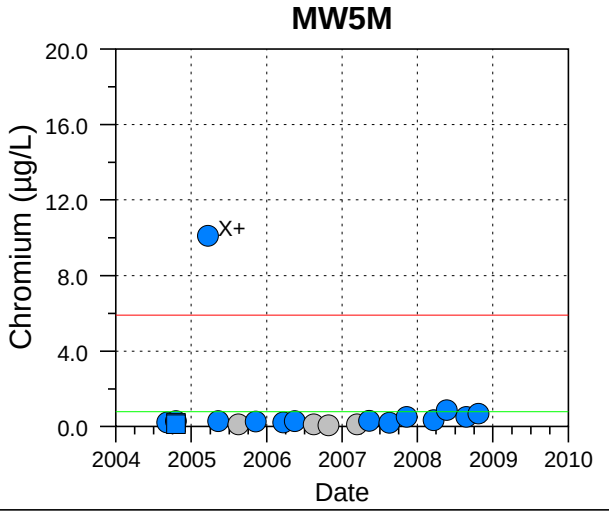

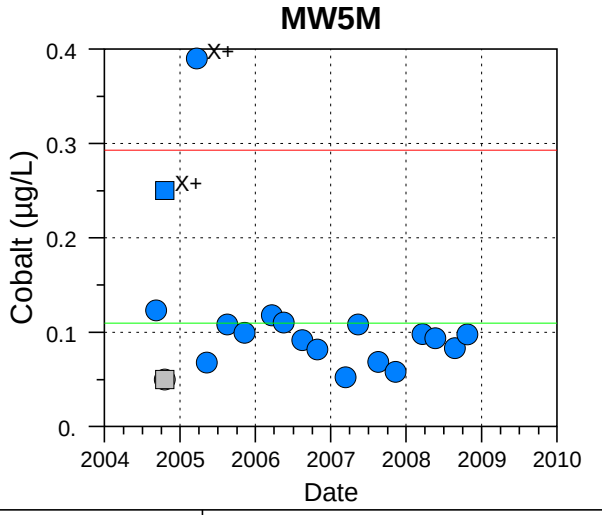

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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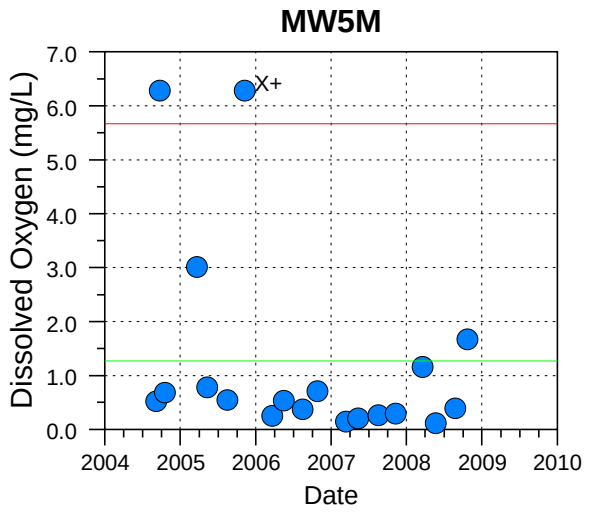
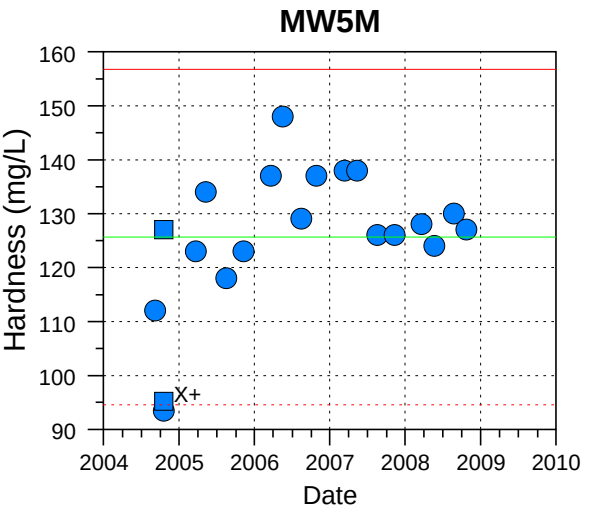
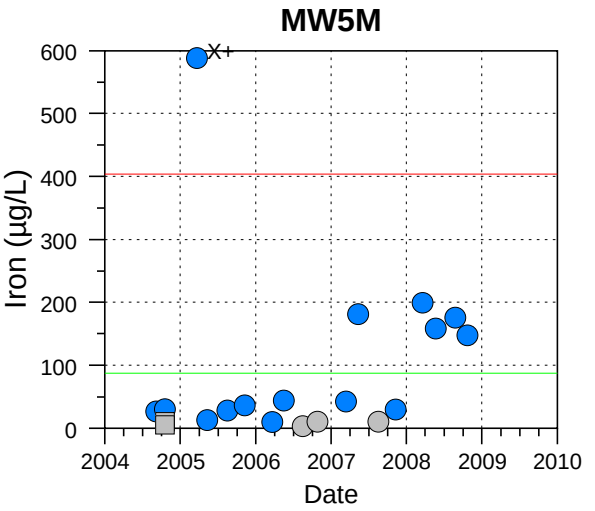
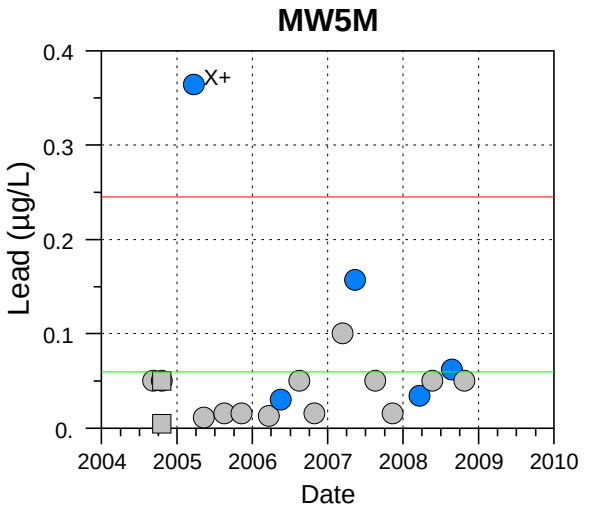
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

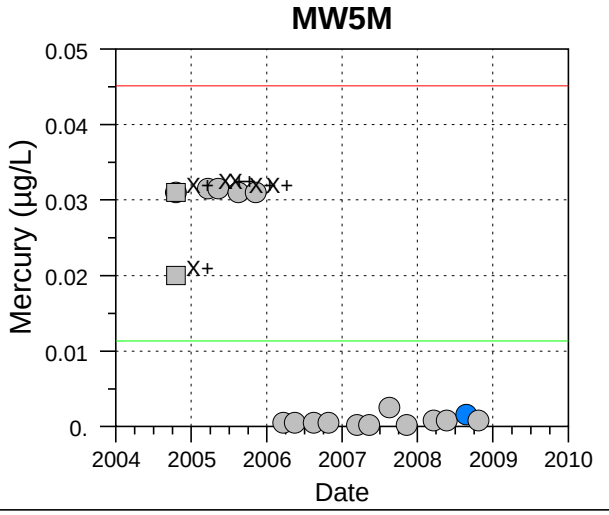
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

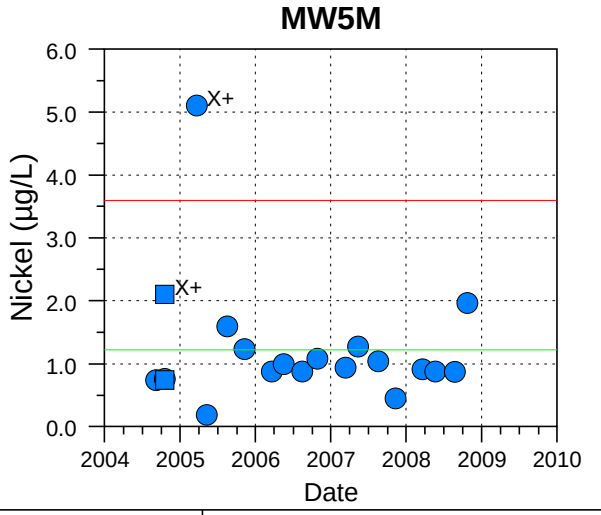












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Total Concentrations

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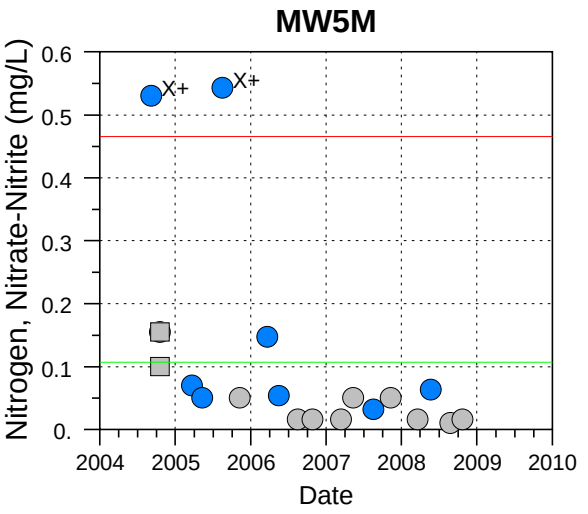

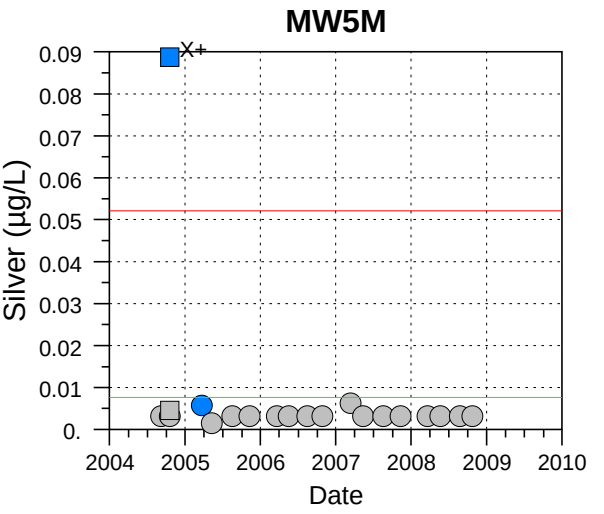

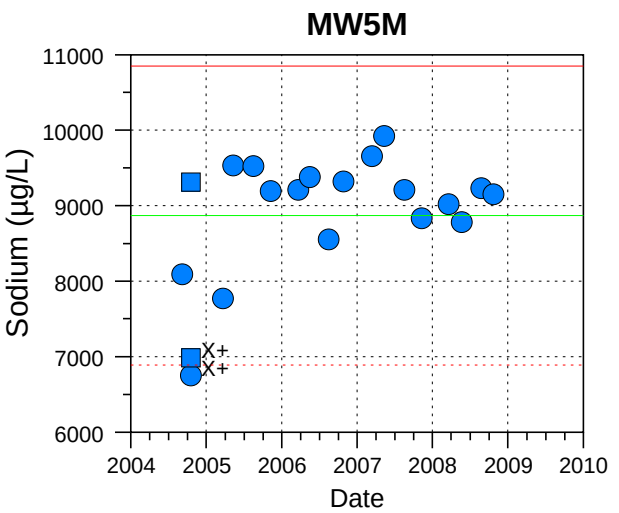

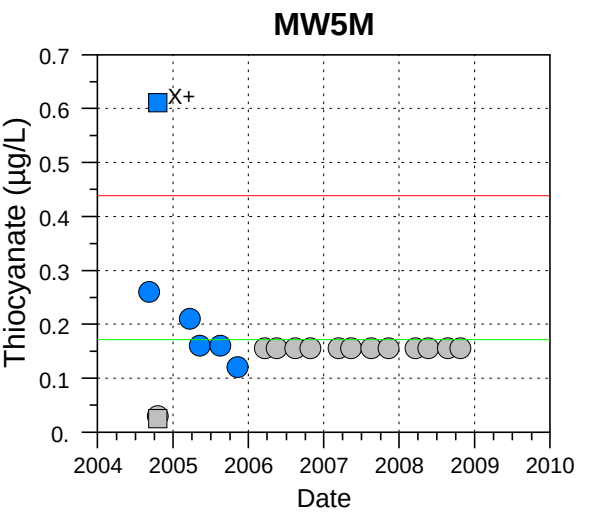

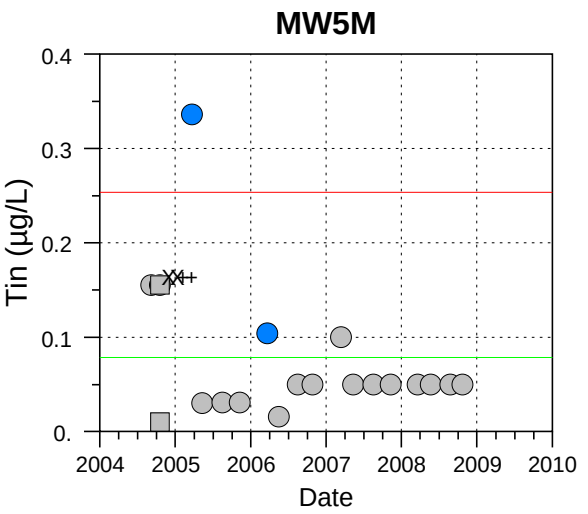

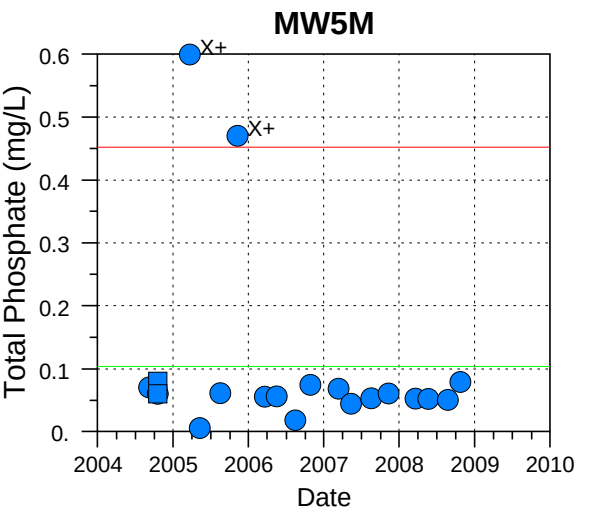

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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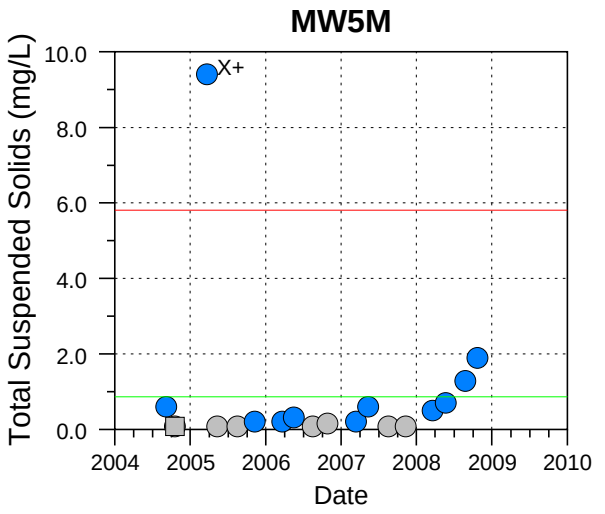
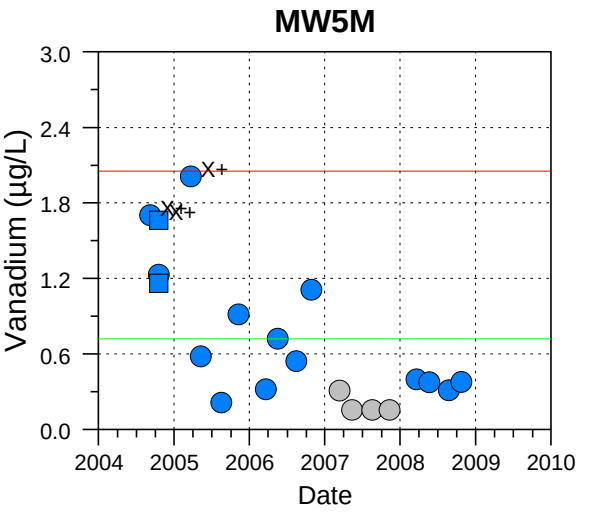
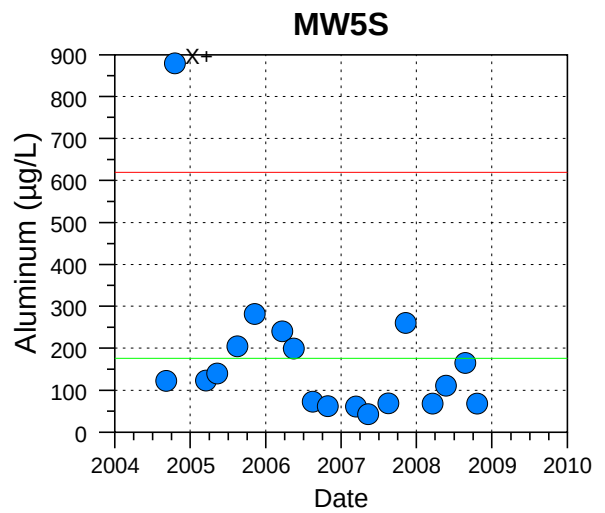
THE pebble PARTNERSHIP

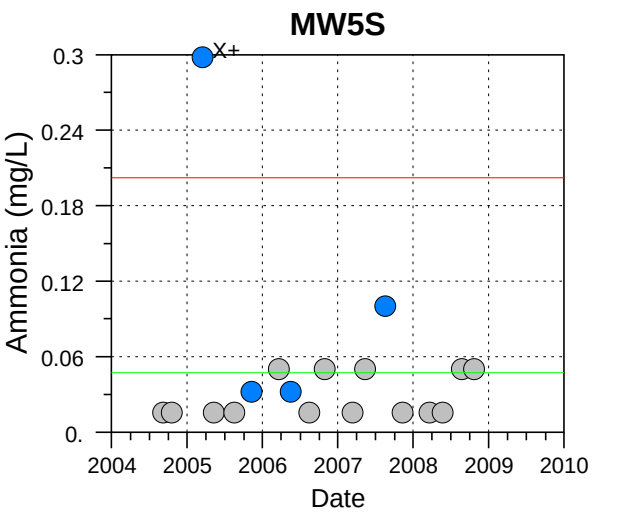
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

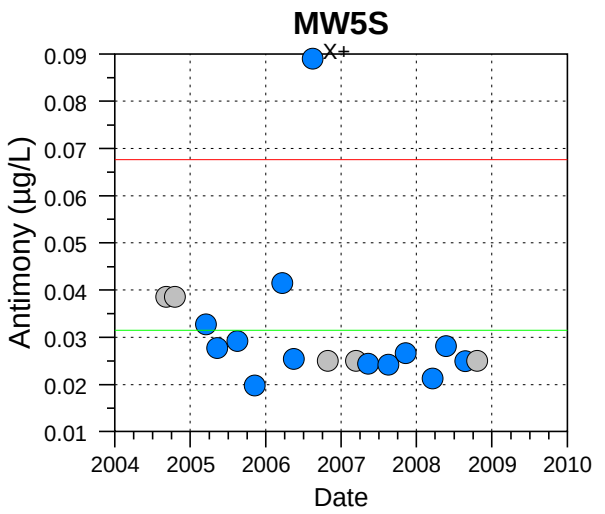
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

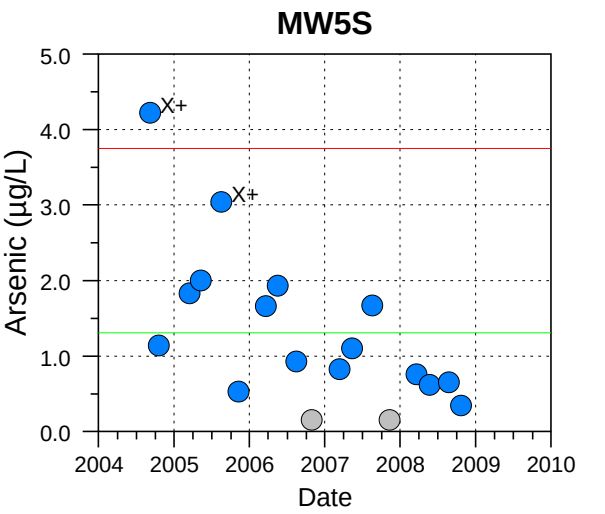












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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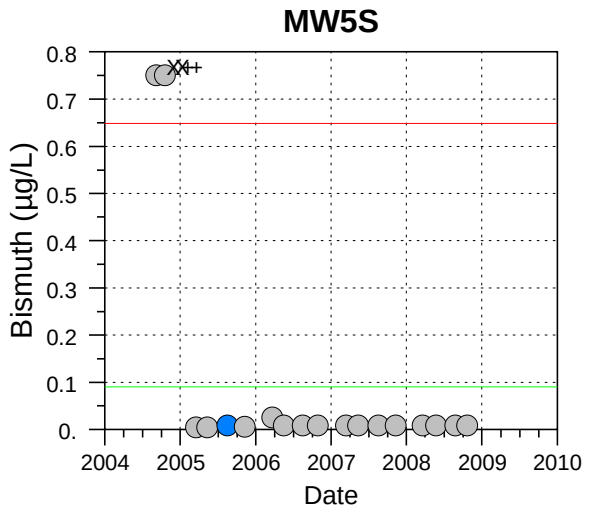

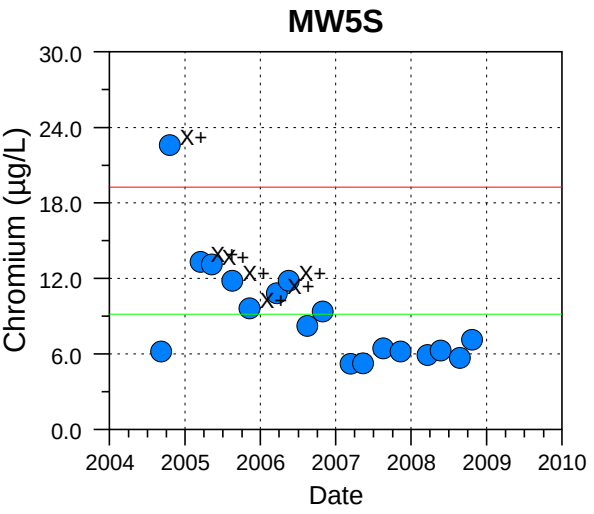

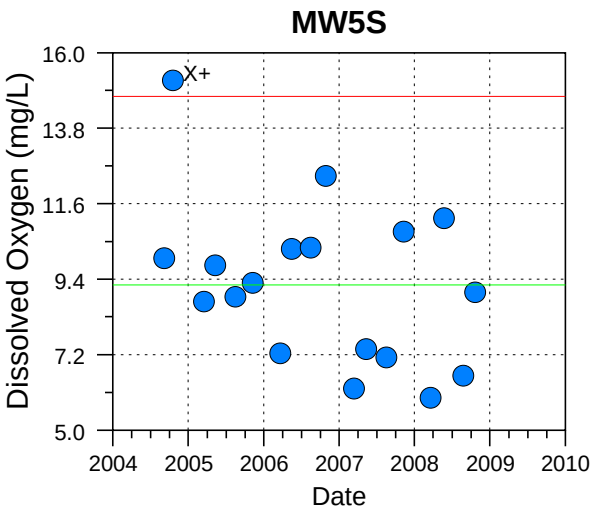

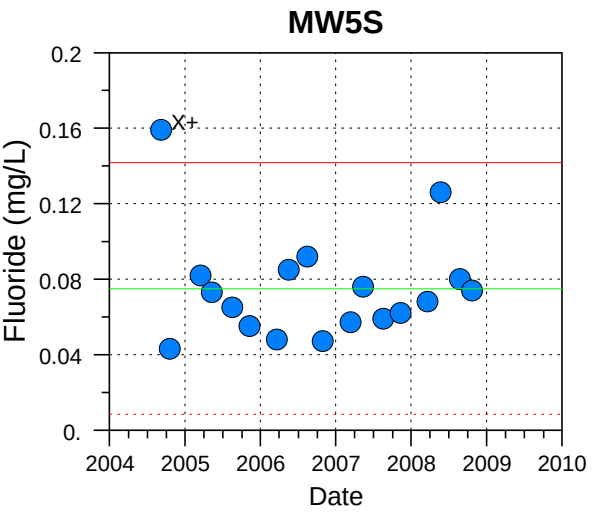

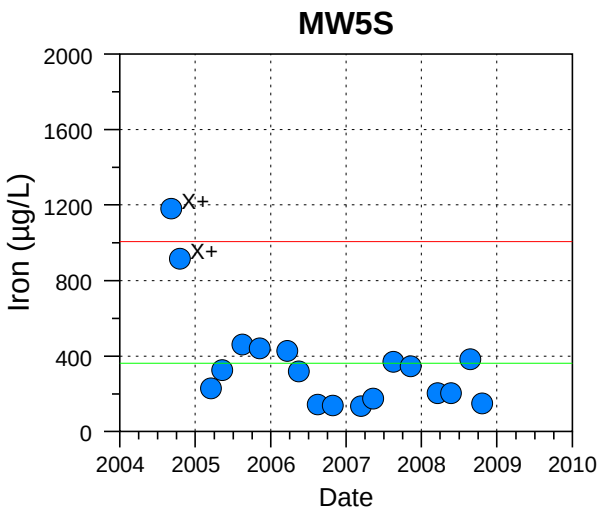

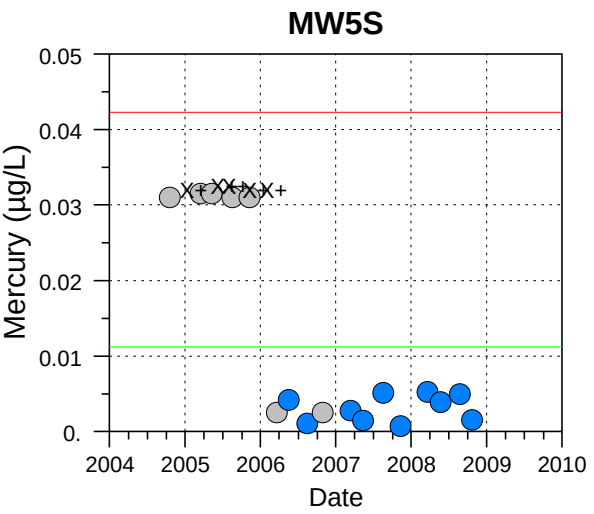

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

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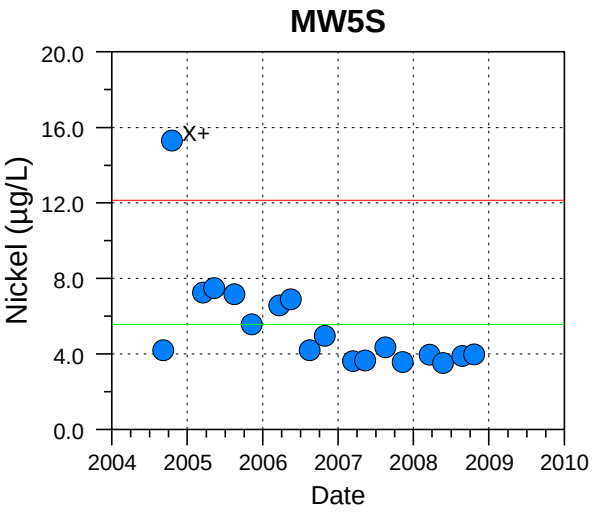

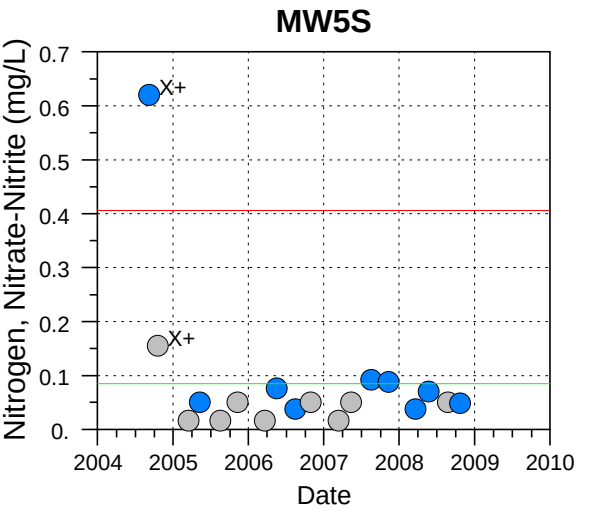

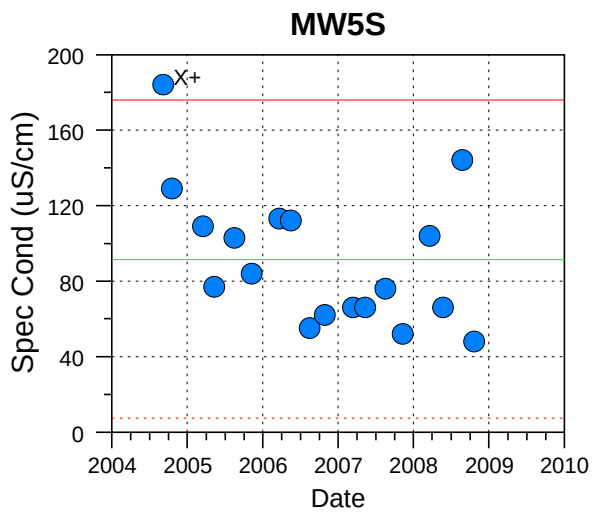

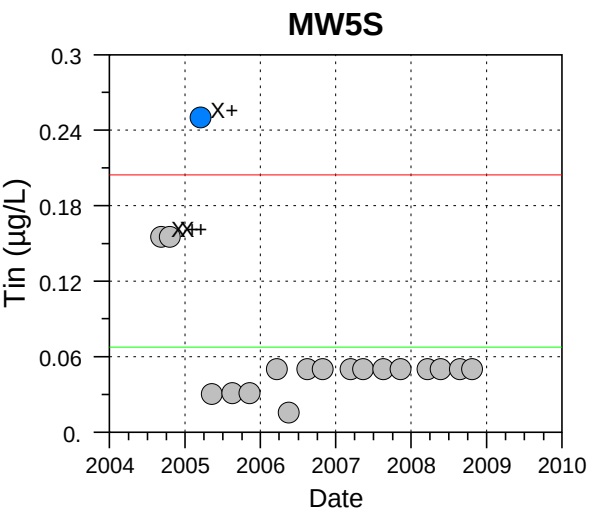

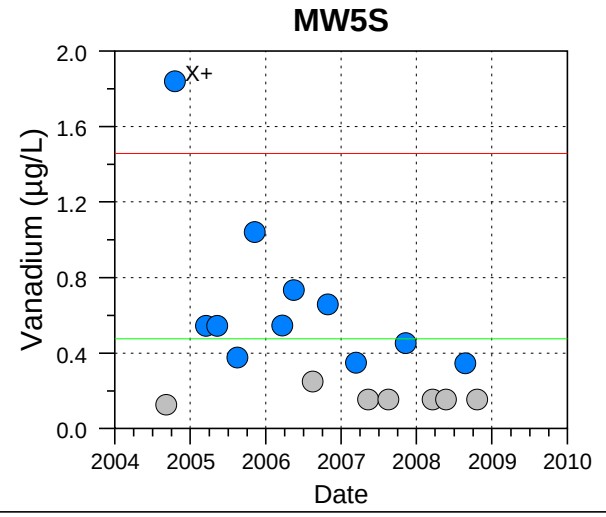

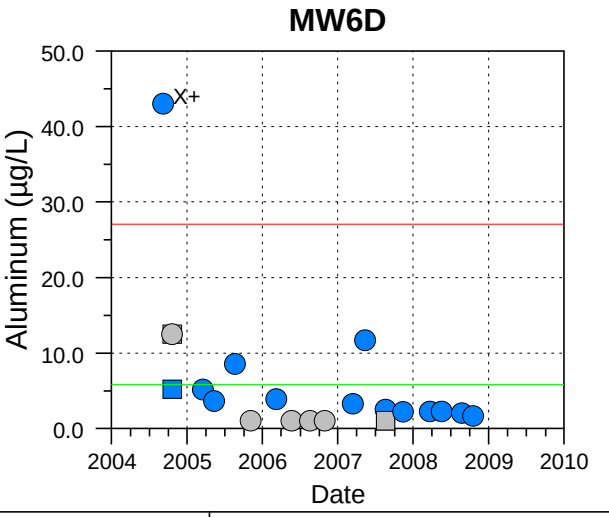

Legend

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- Quality Control Sample Result
- Not Detected
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- Mean
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X+ outlier, very high value

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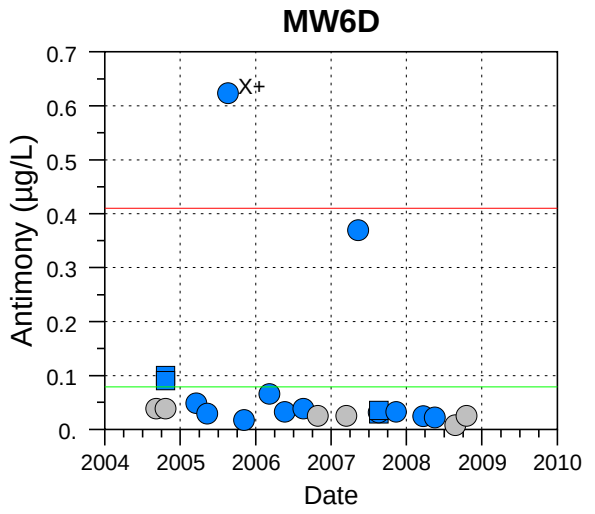

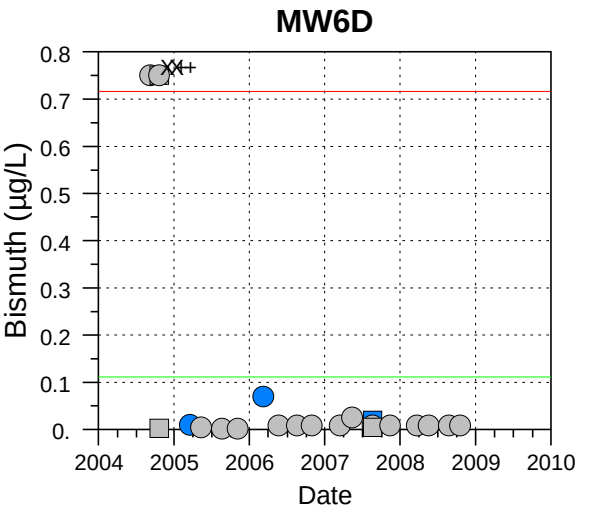

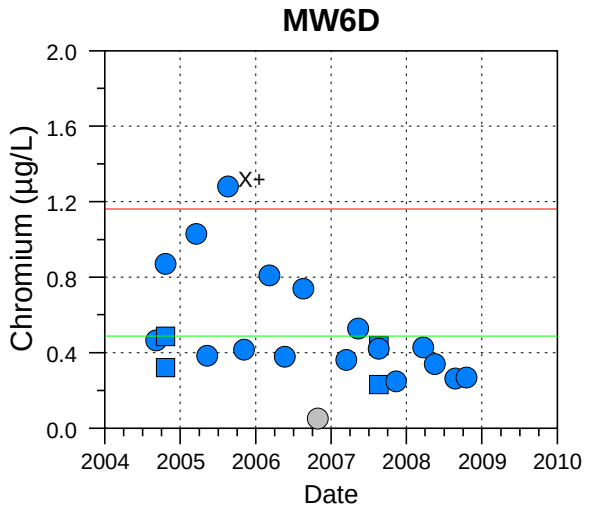

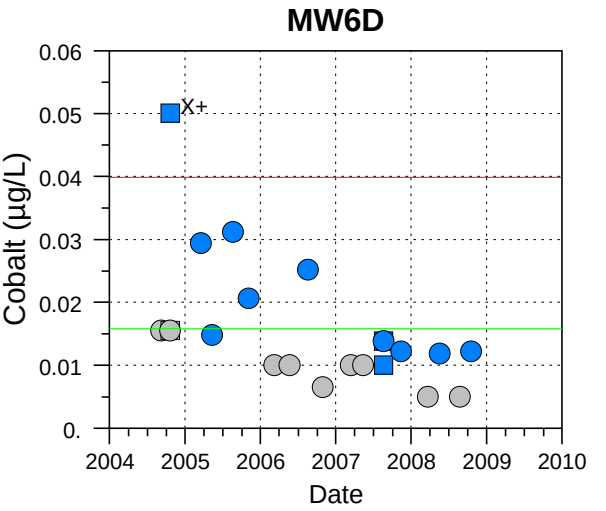

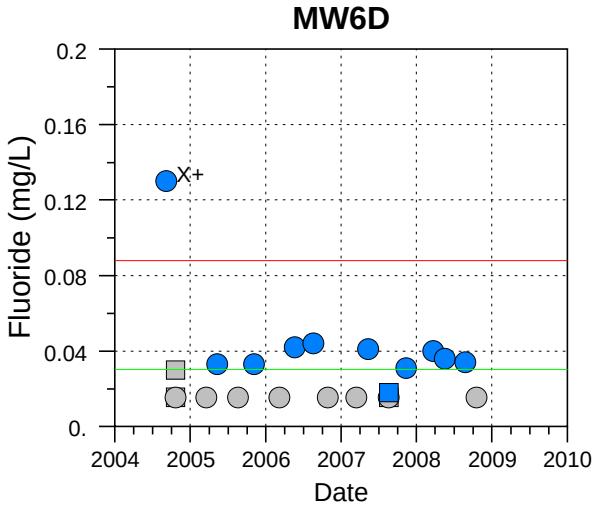

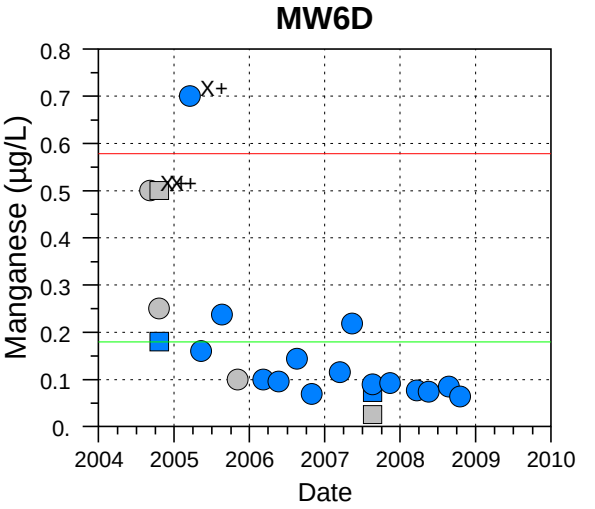

Legend

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- Mean
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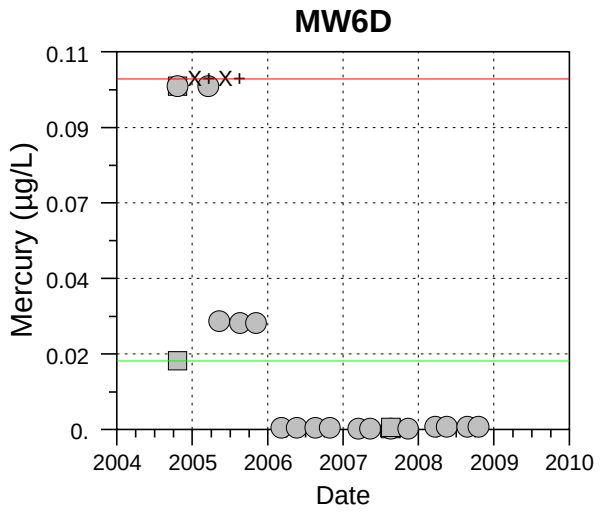

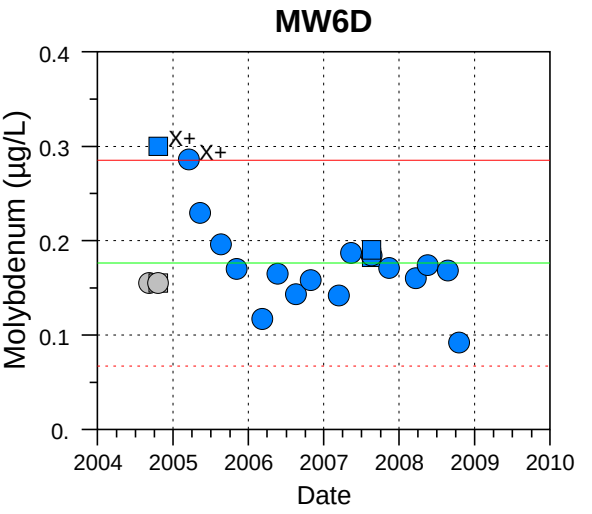

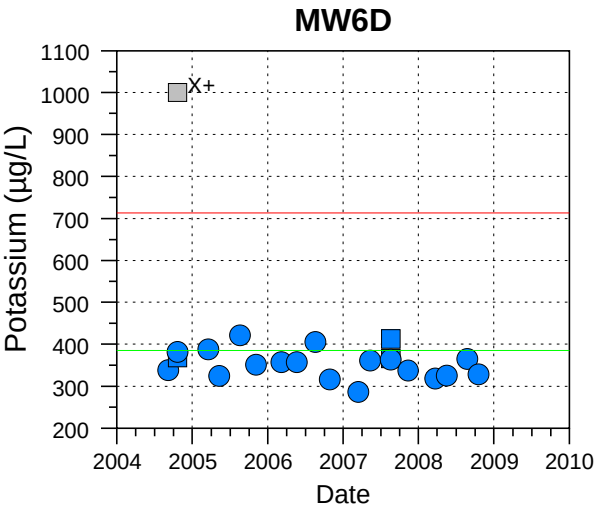

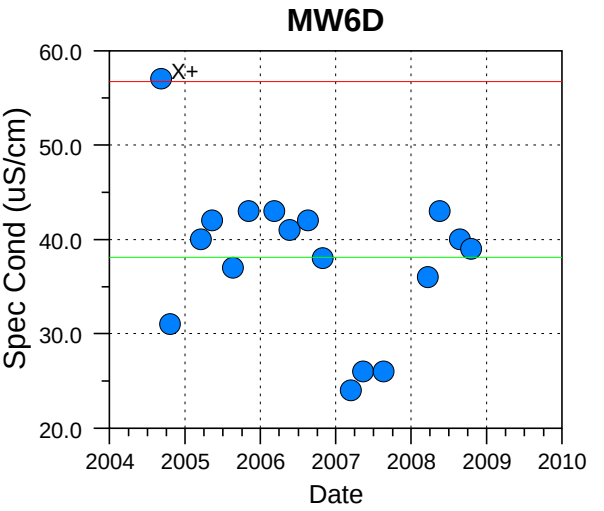

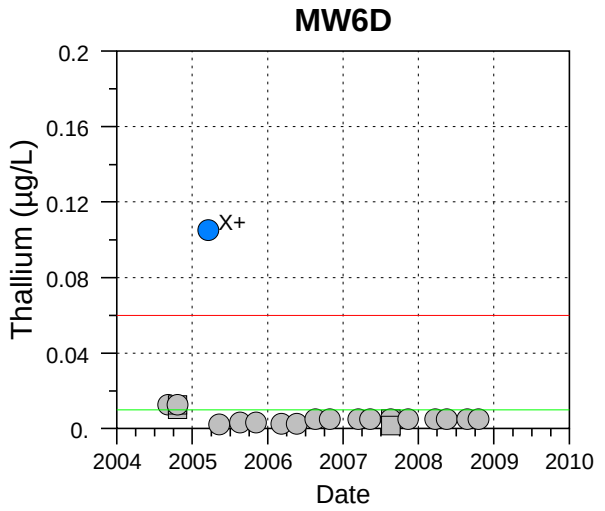

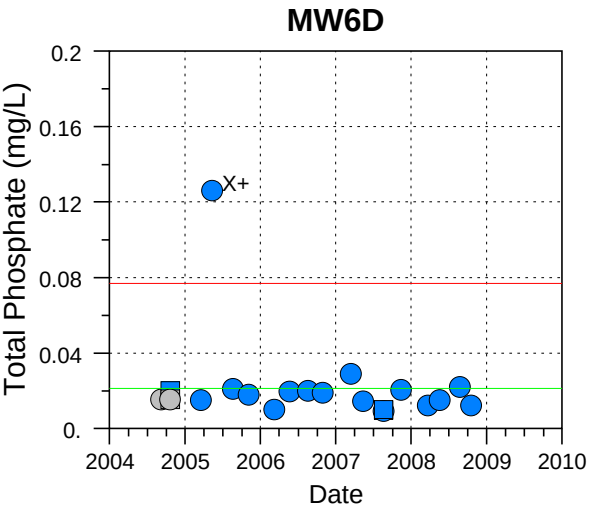

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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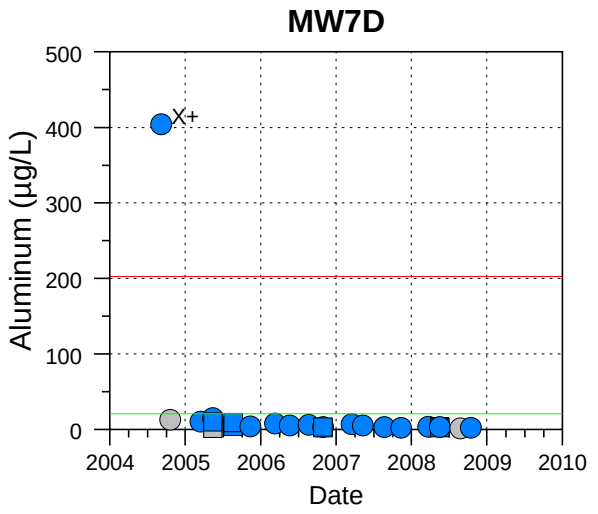
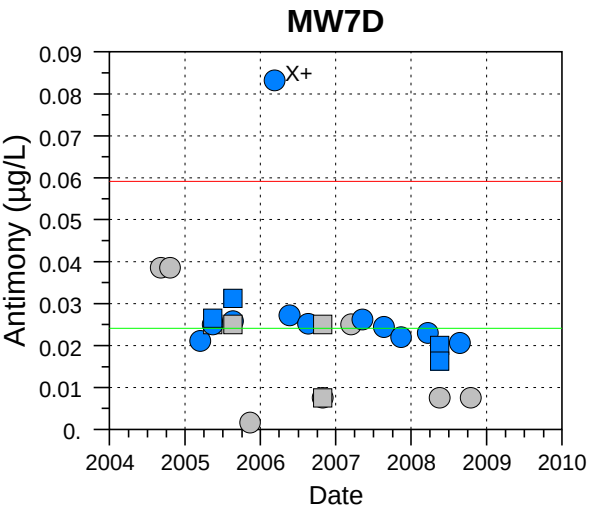
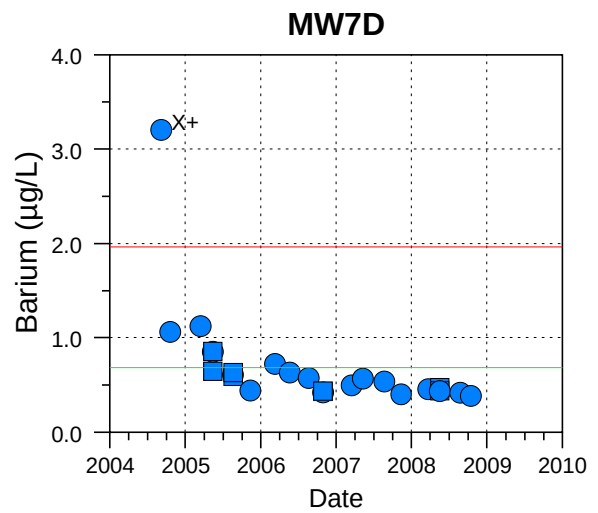
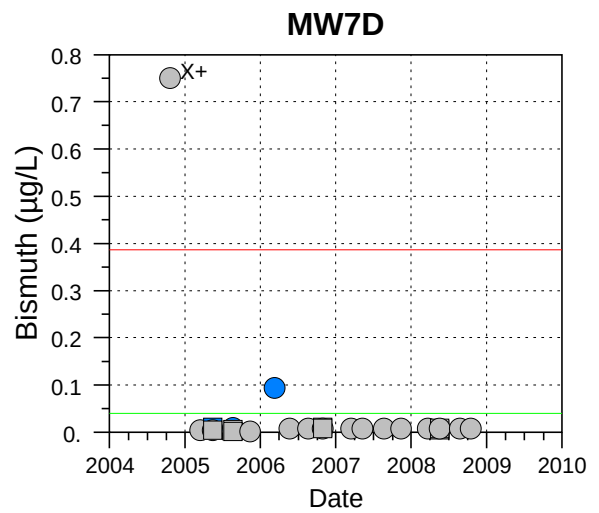
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

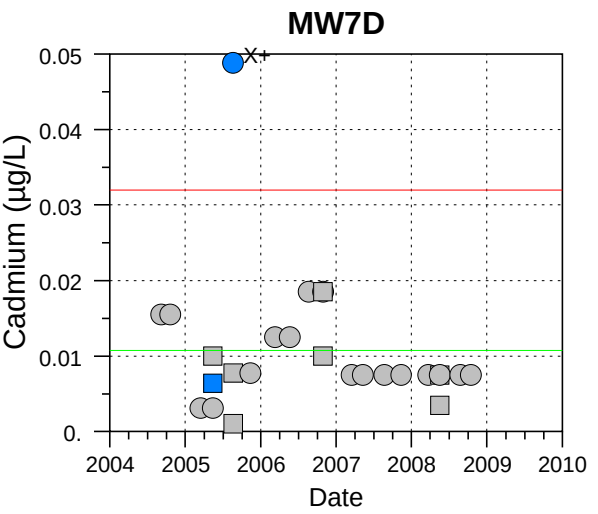
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

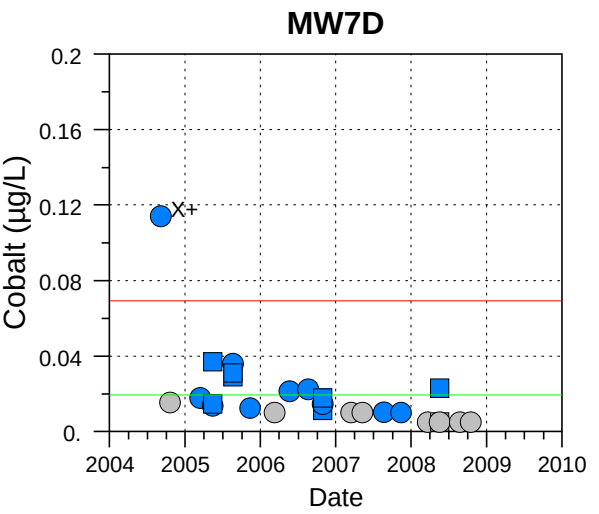












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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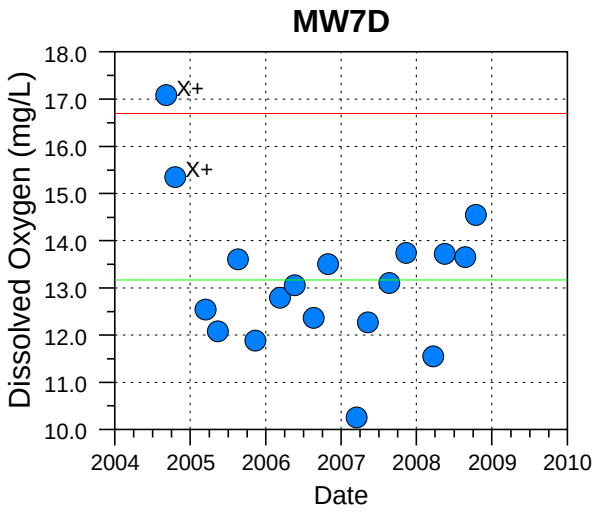

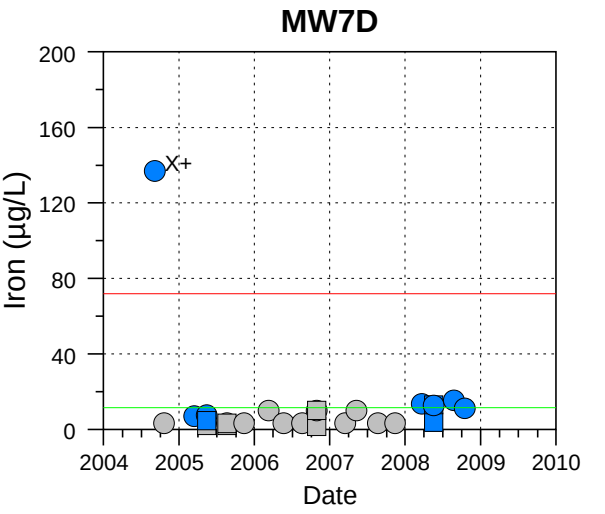

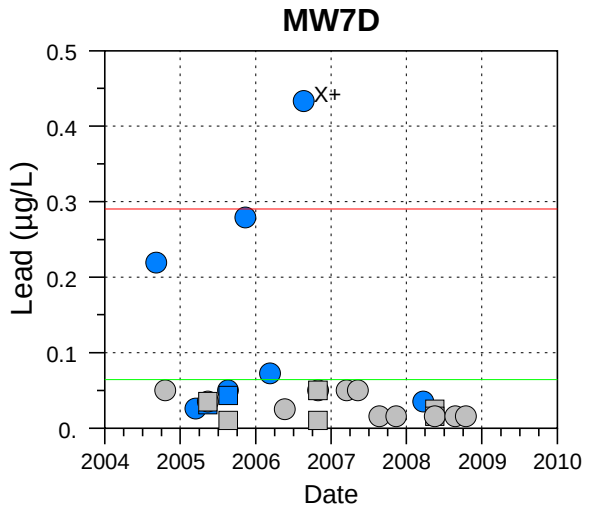

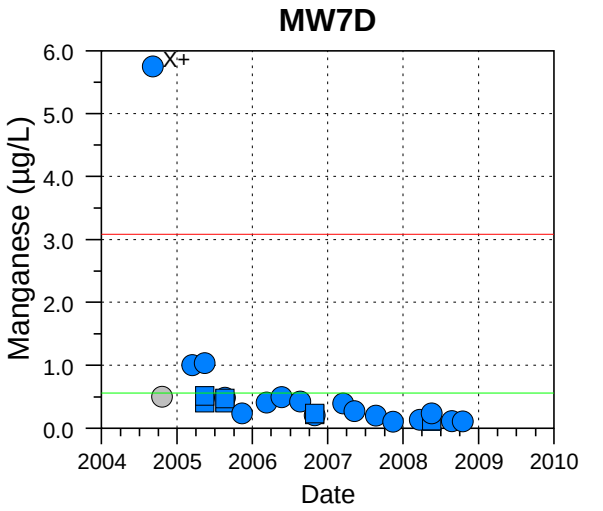

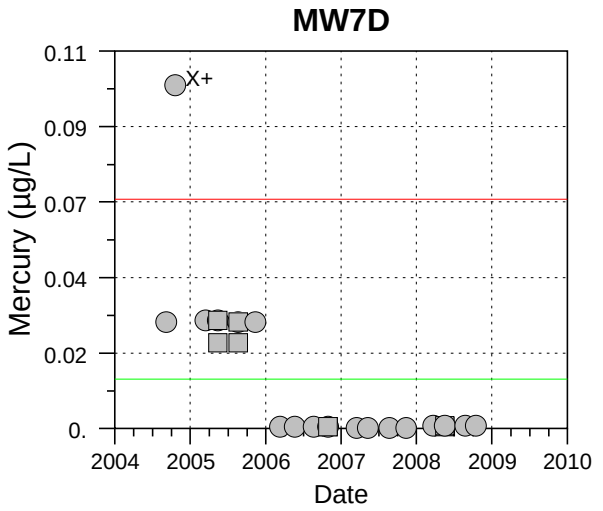

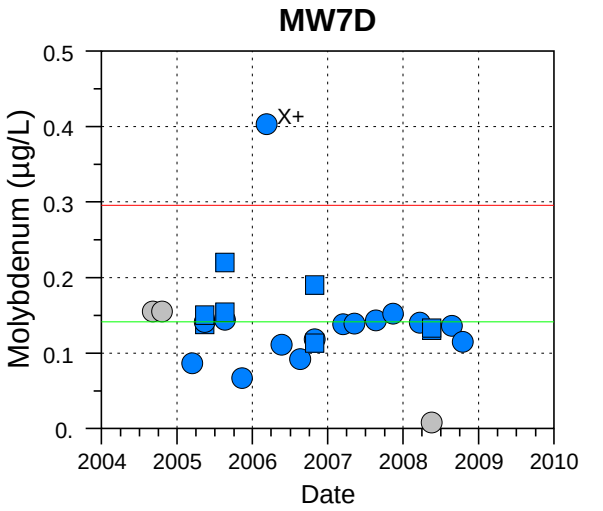

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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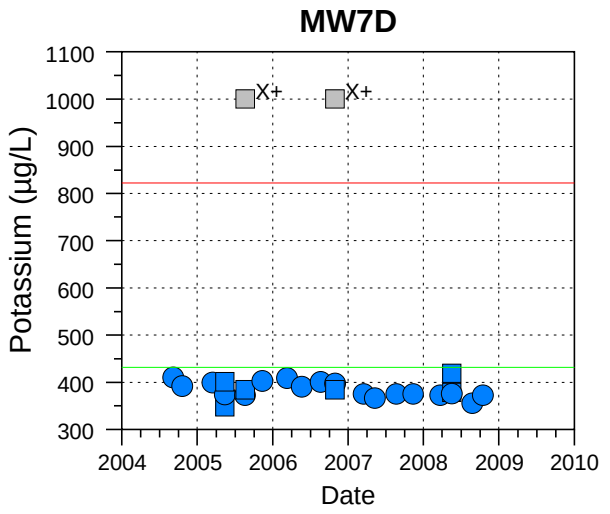
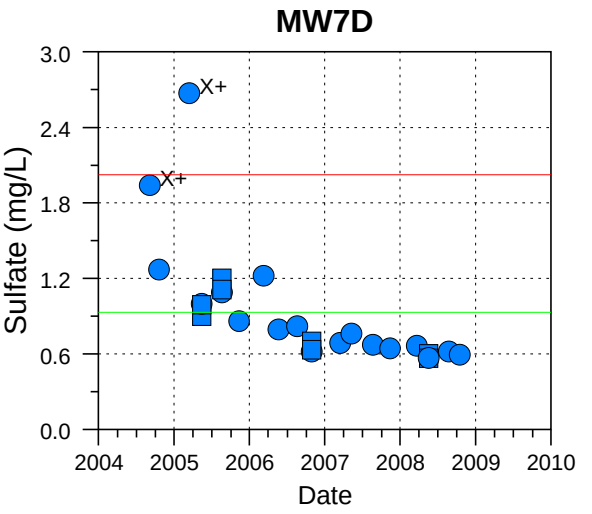
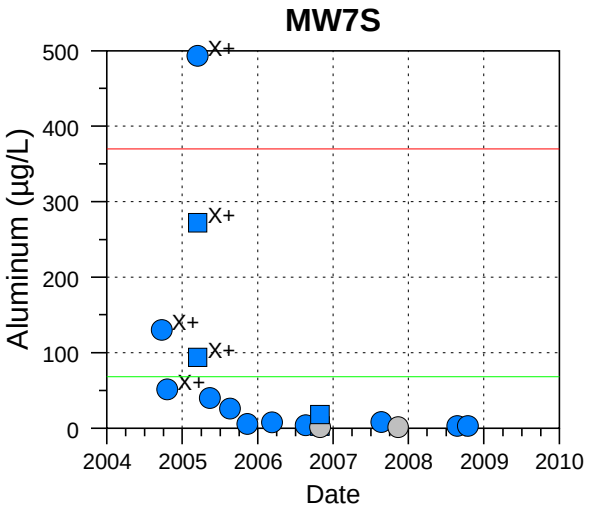
THE pebble PARTNERSHIP

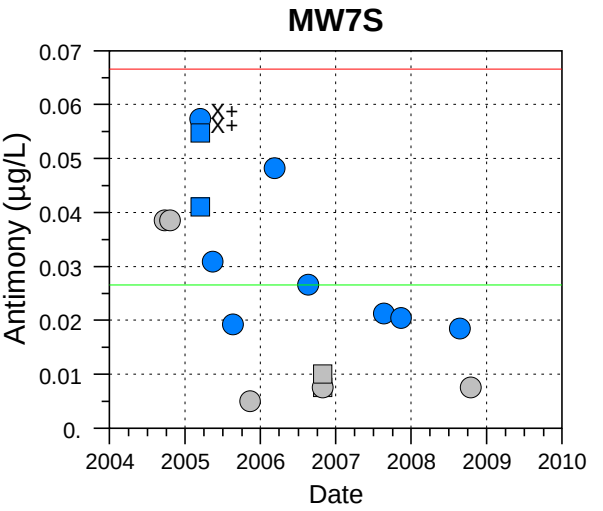
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

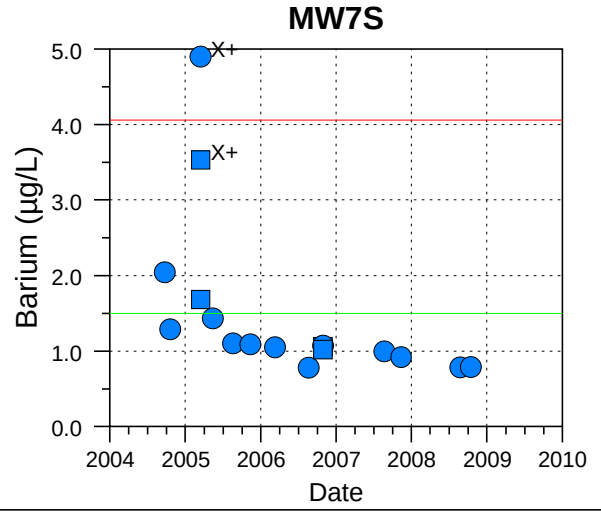
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

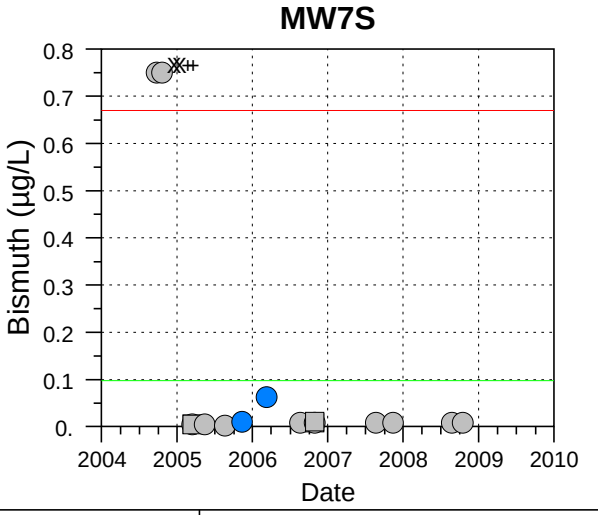












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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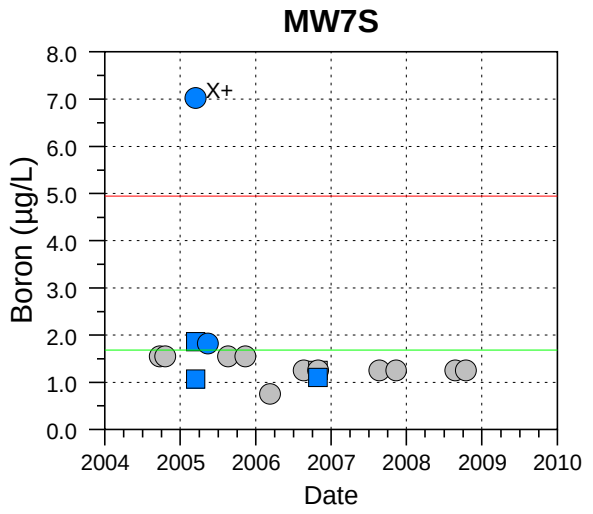
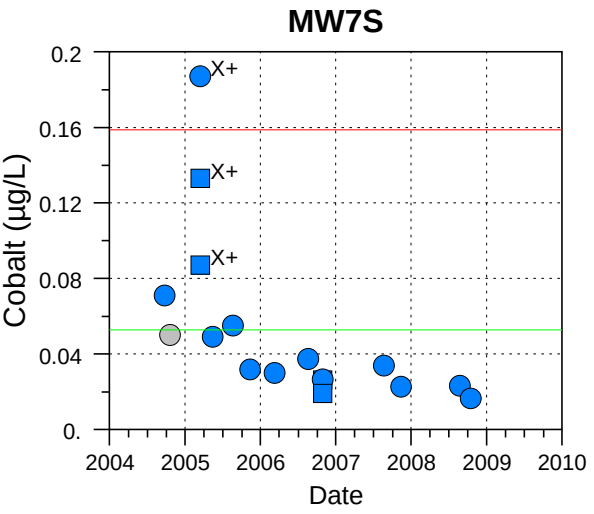
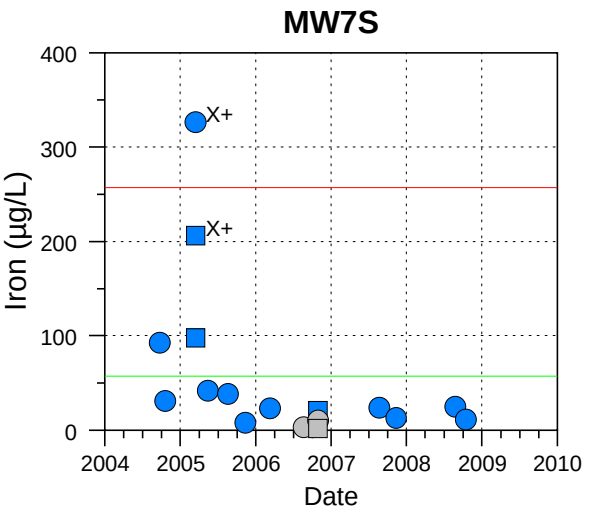
THE pebble PARTNERSHIP

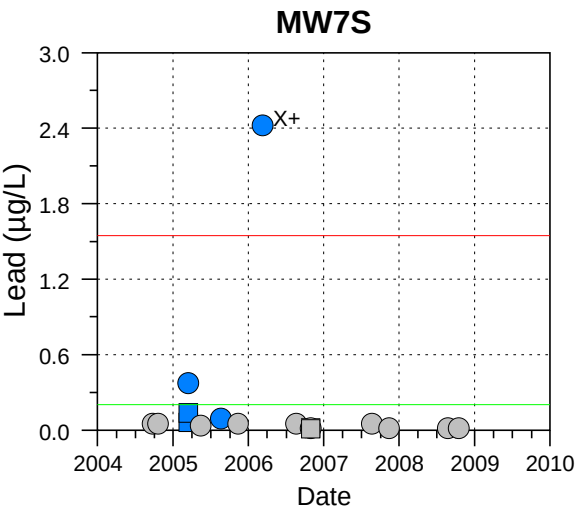
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

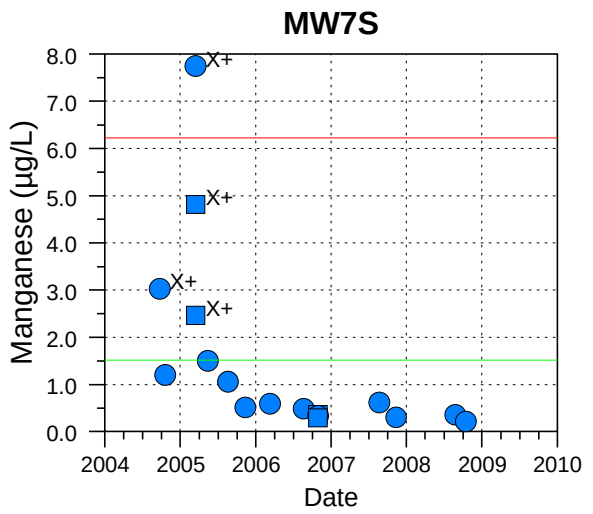
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

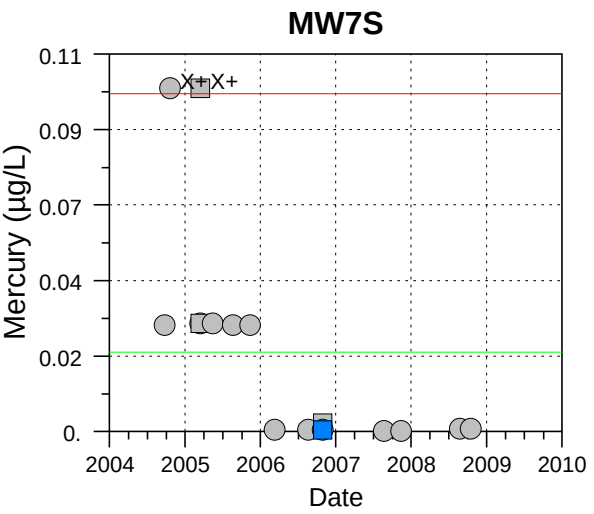












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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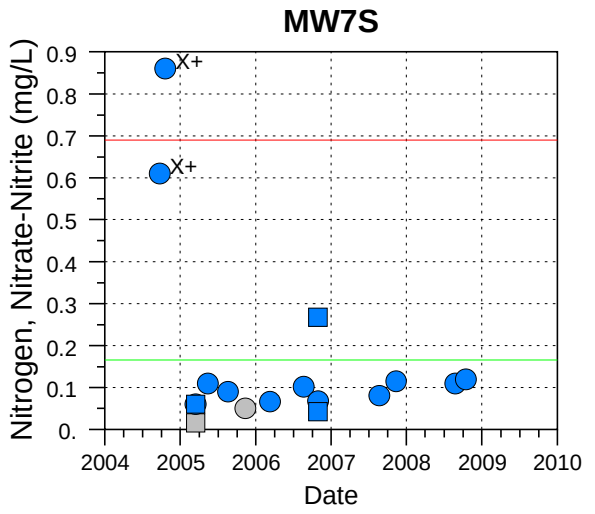
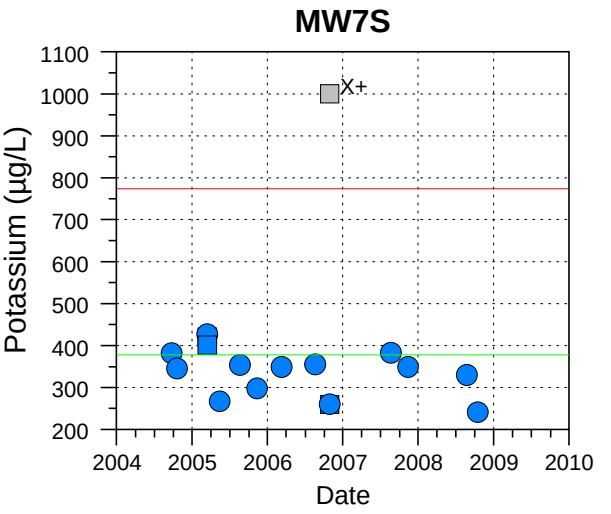
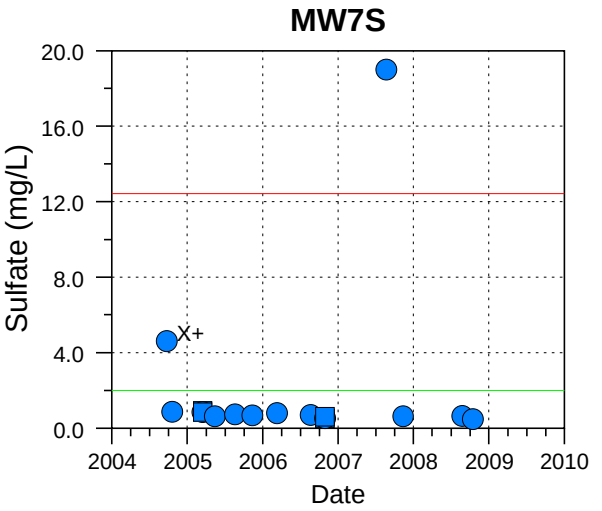
THE pebble PARTNERSHIP

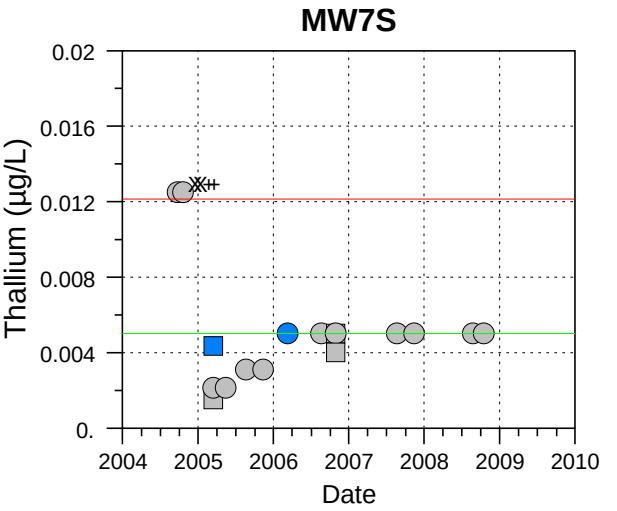
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

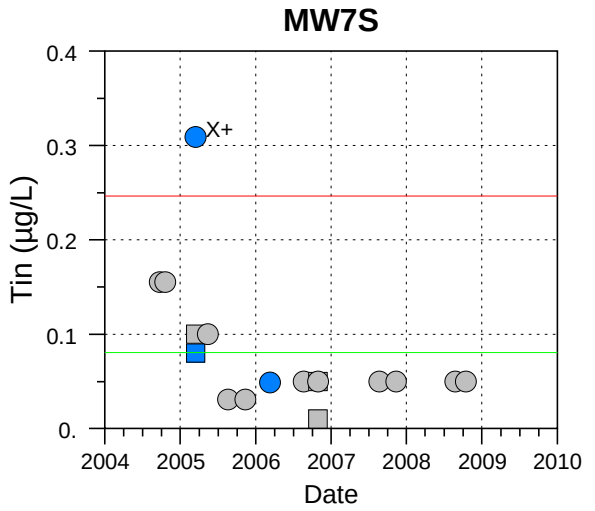
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

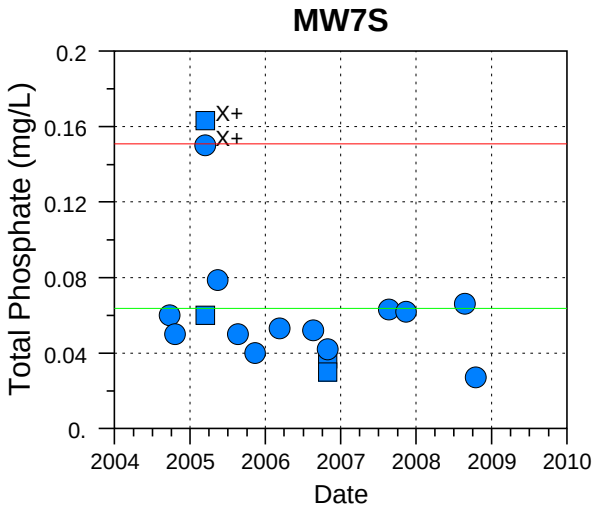












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.2C-2
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Total Concentrations

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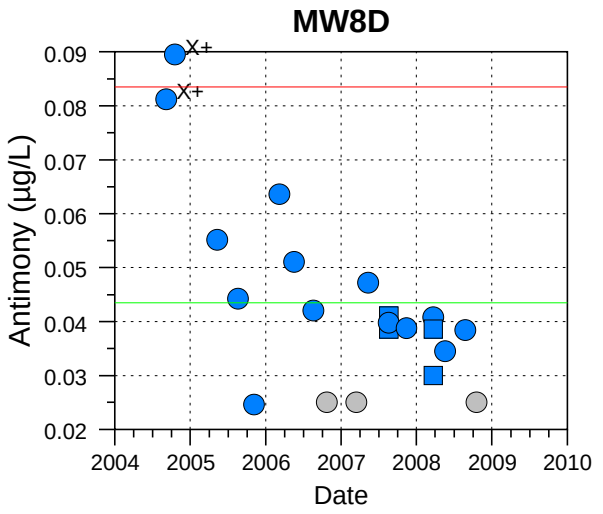

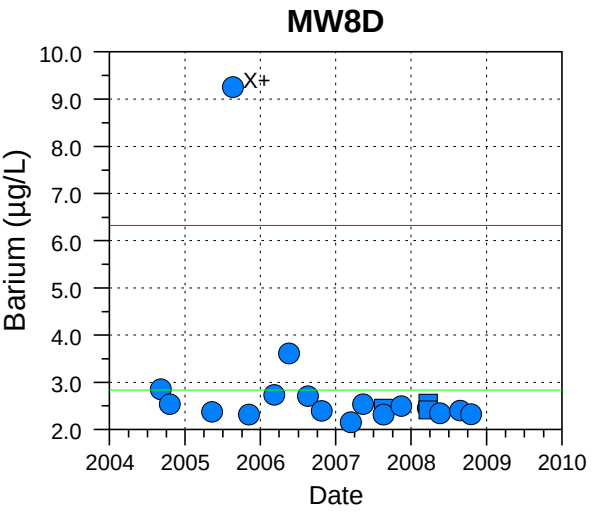

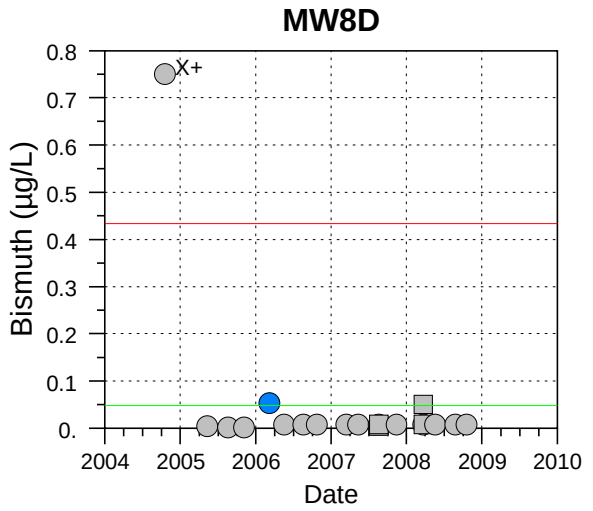

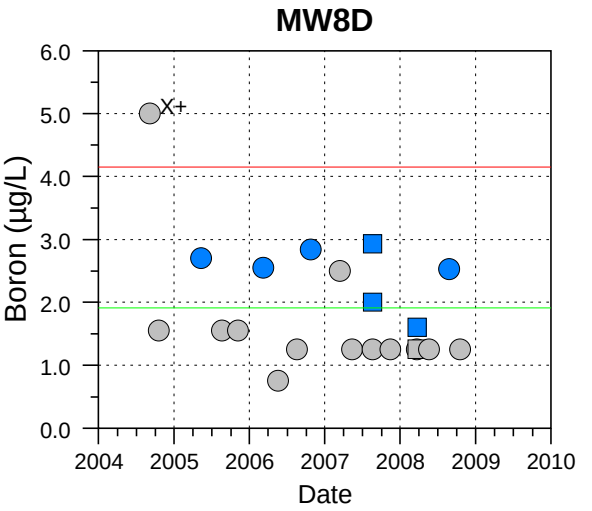

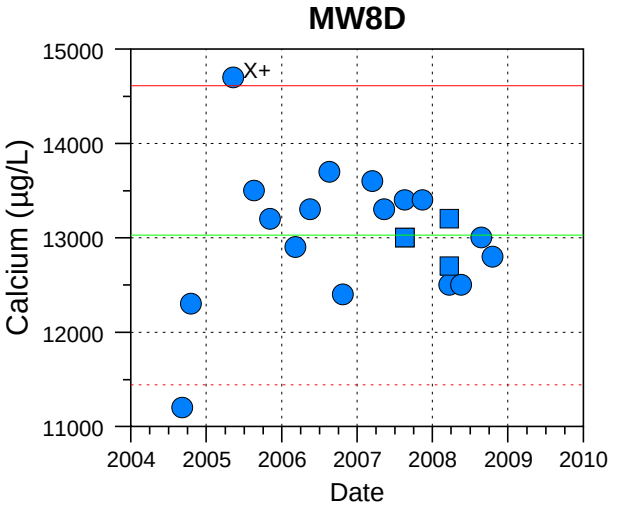

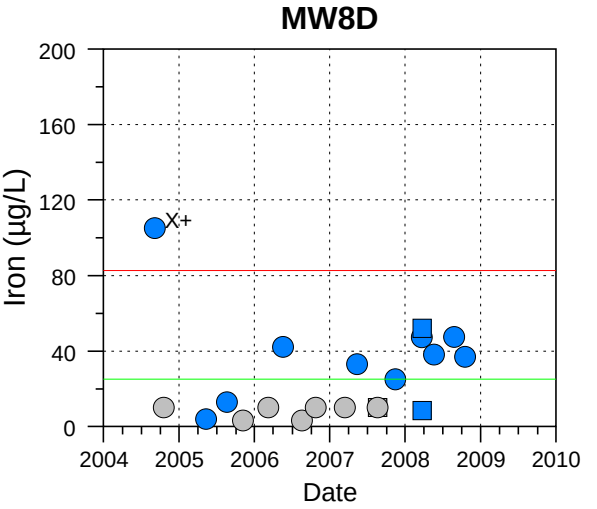

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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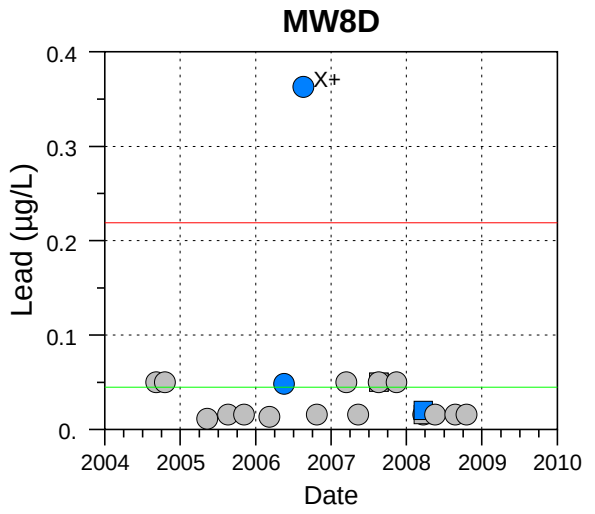

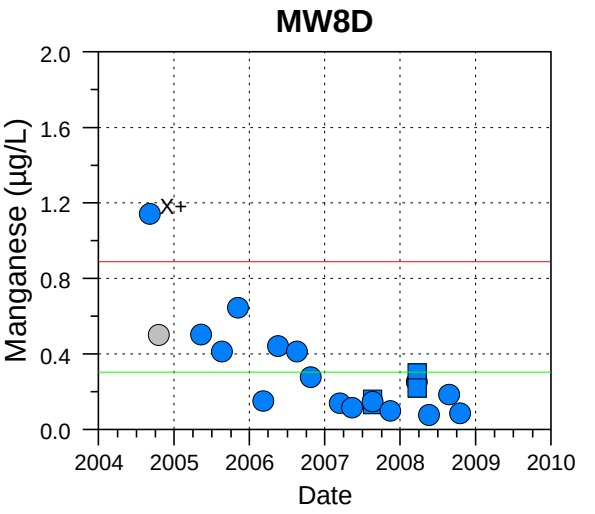

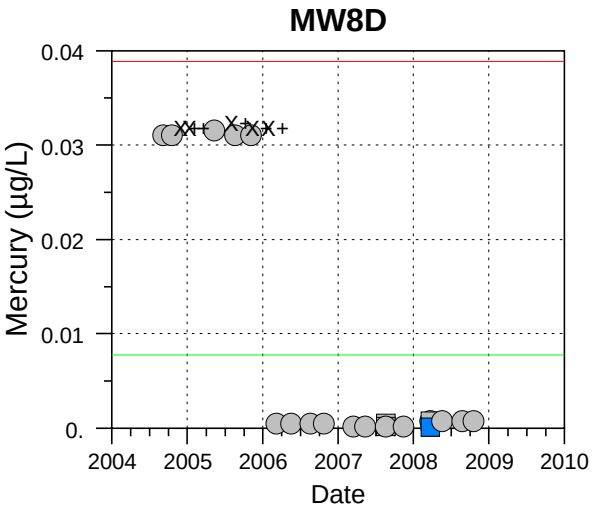

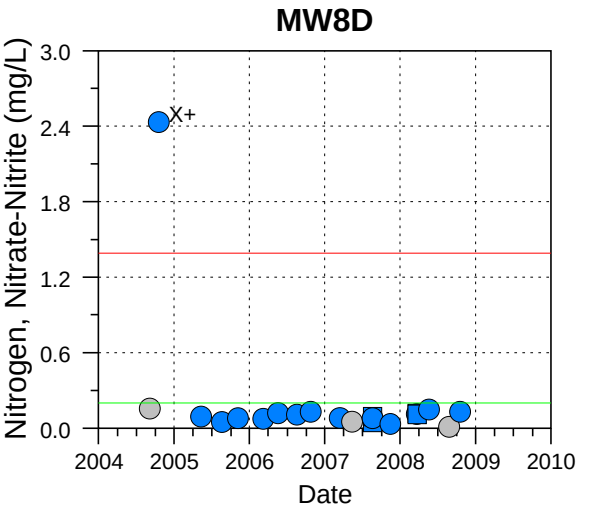

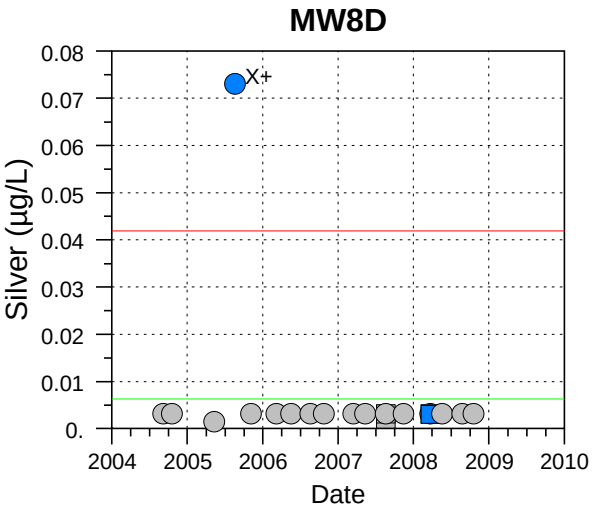

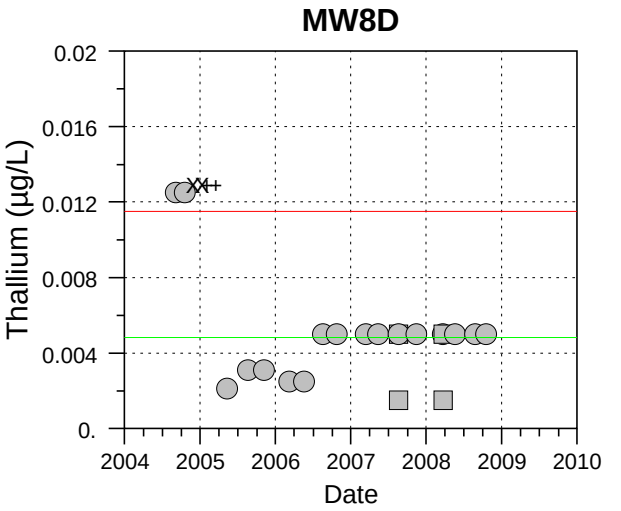

Legend

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- Mean
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X+ outlier, very high value

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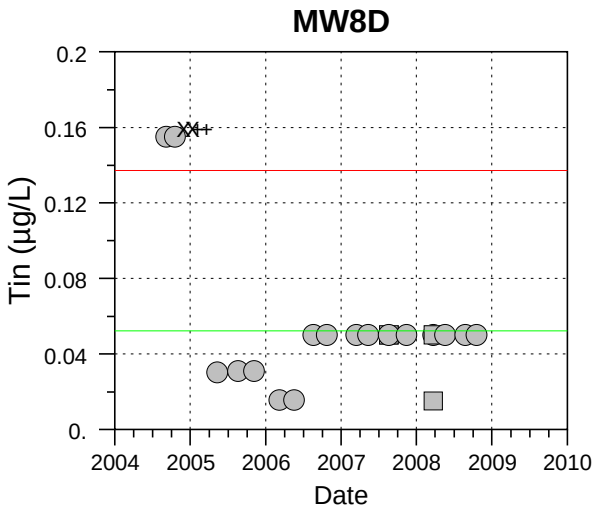
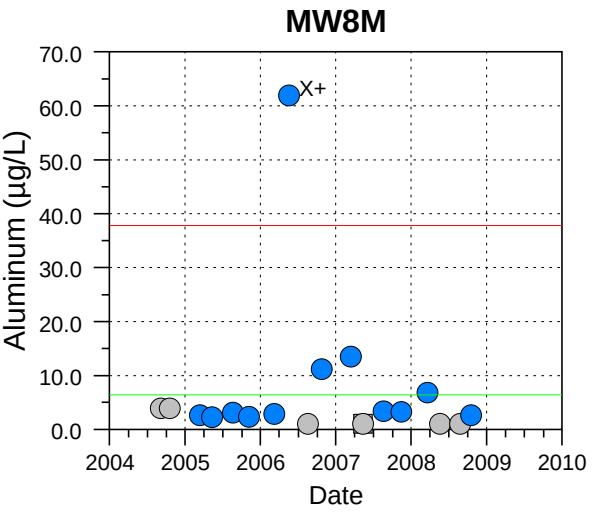
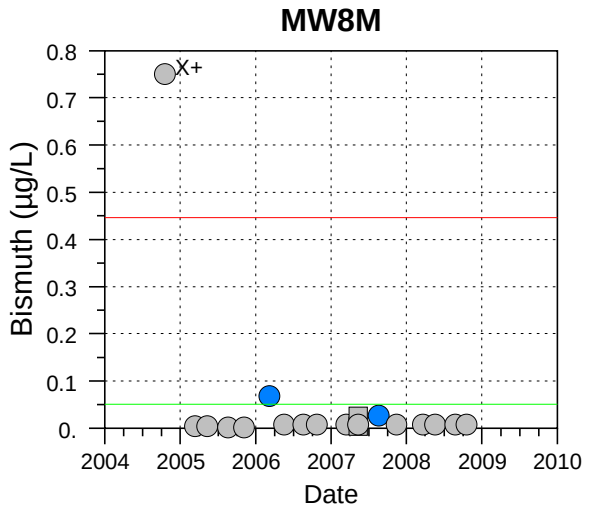
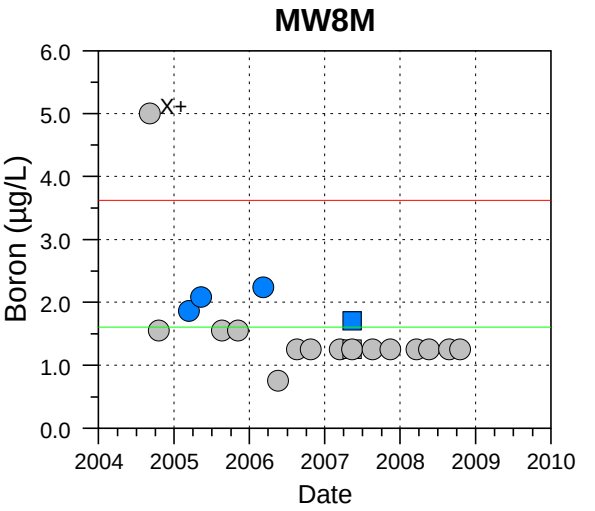
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

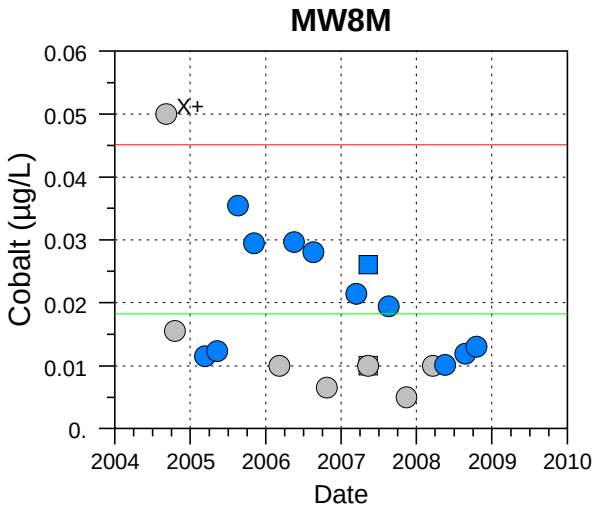
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

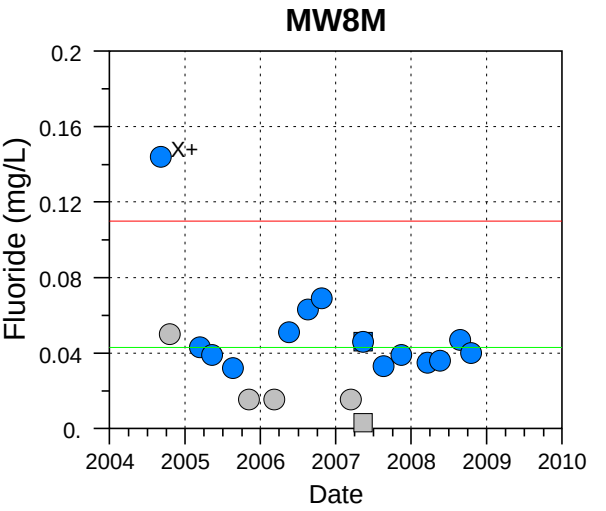












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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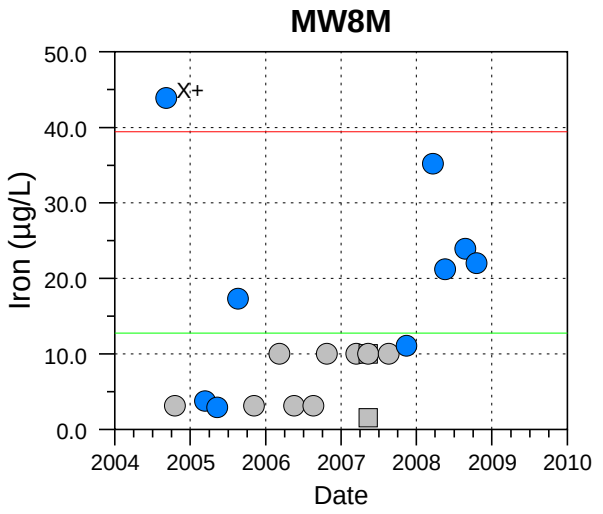

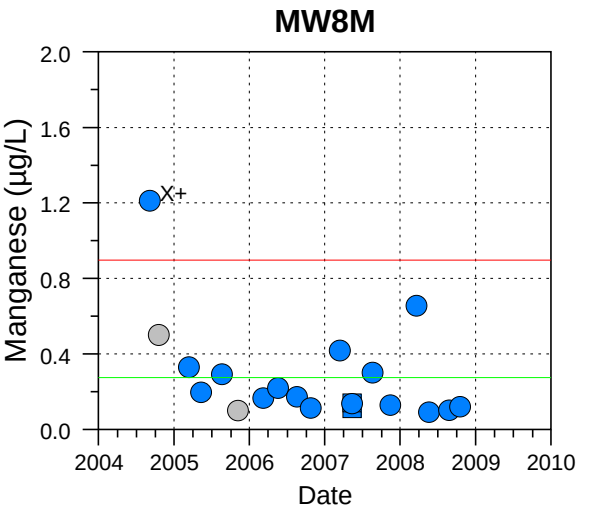

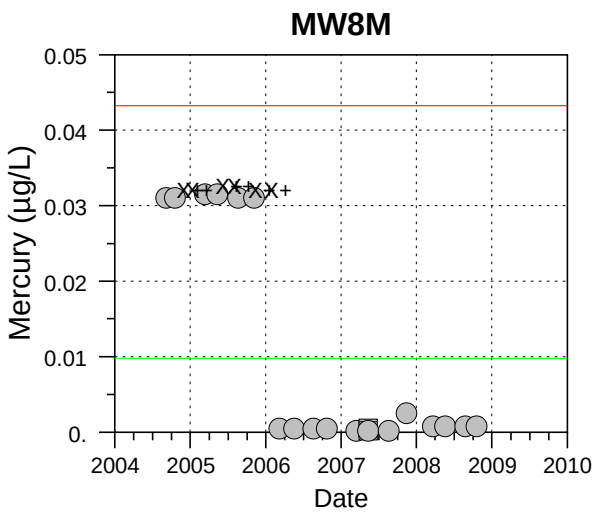

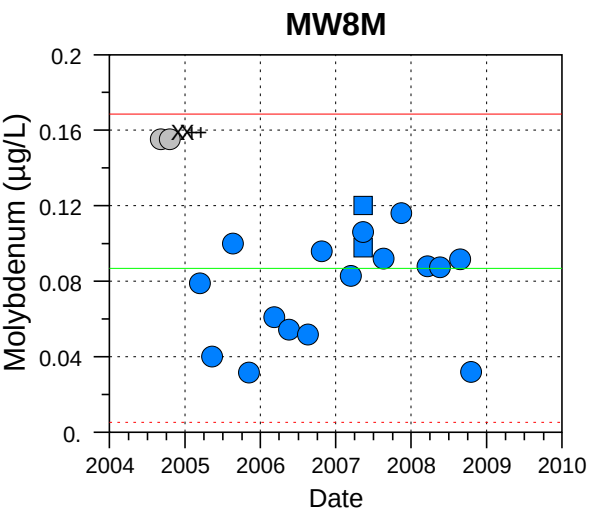

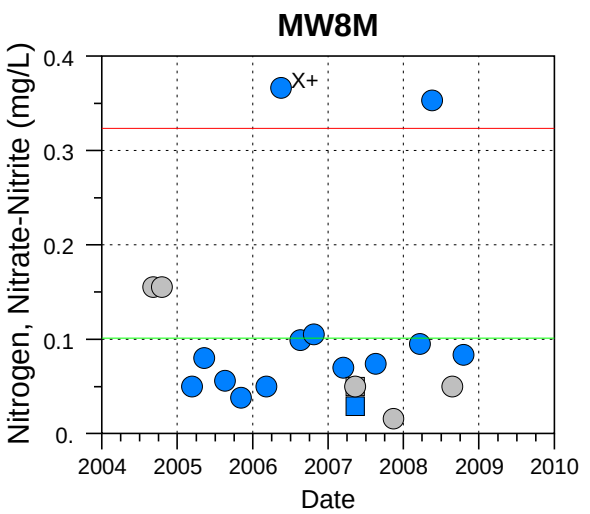

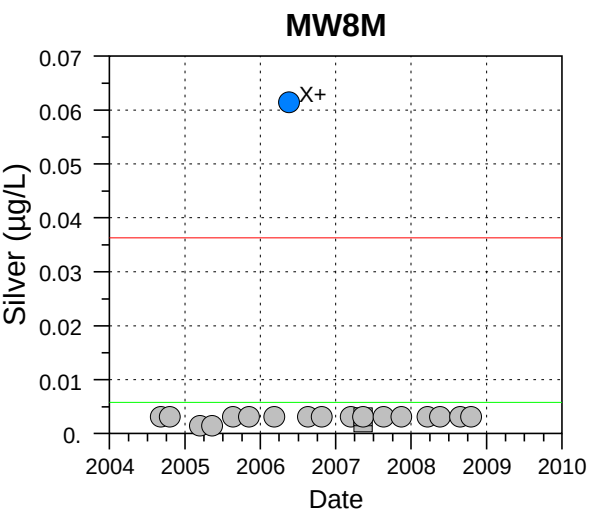

Legend

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- Quality Control Sample Result
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- Mean
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X+ outlier, very high value

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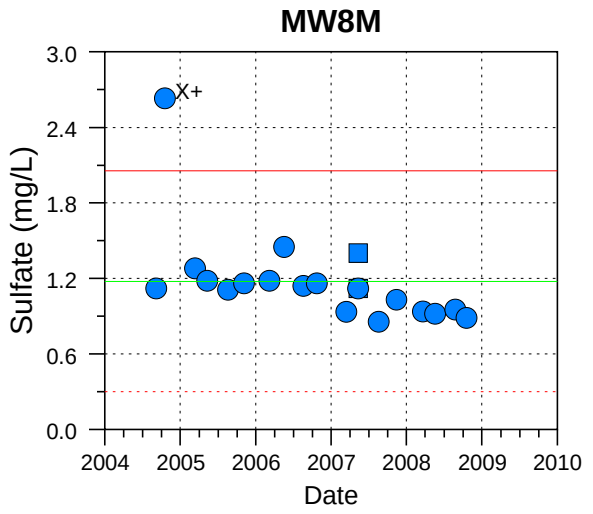

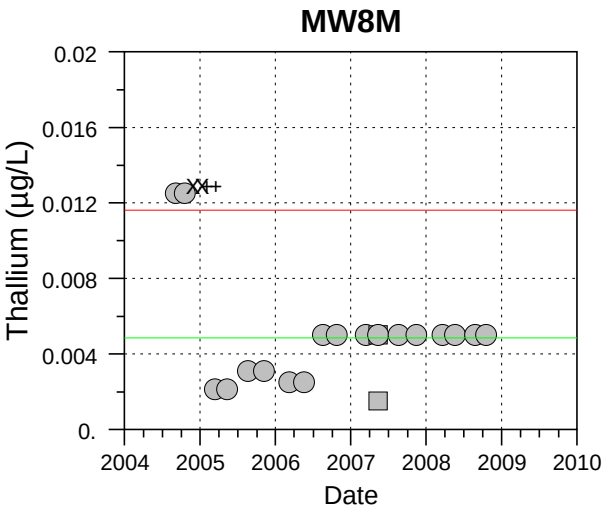

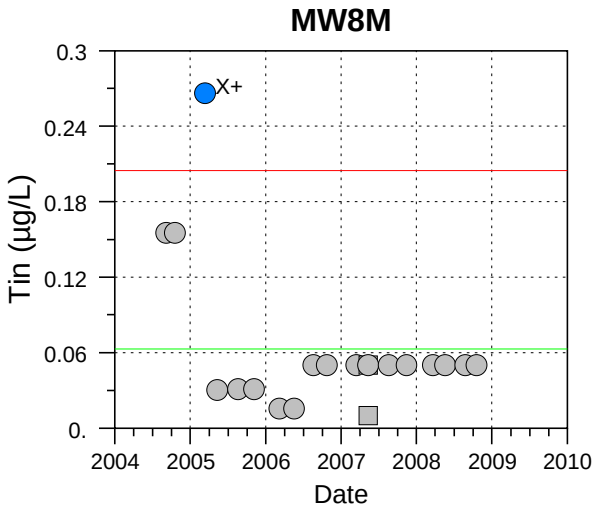

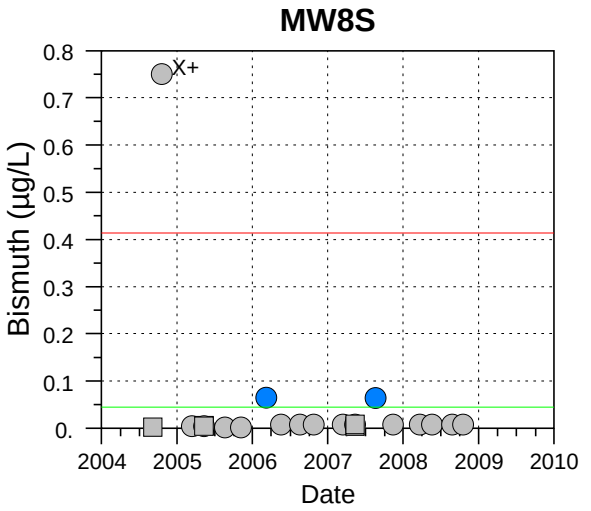

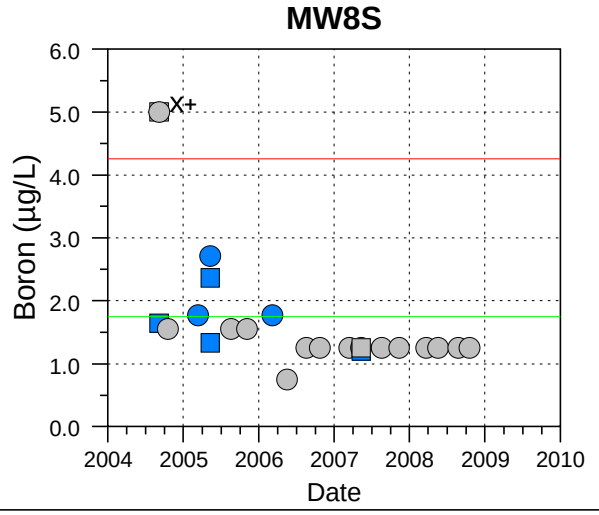

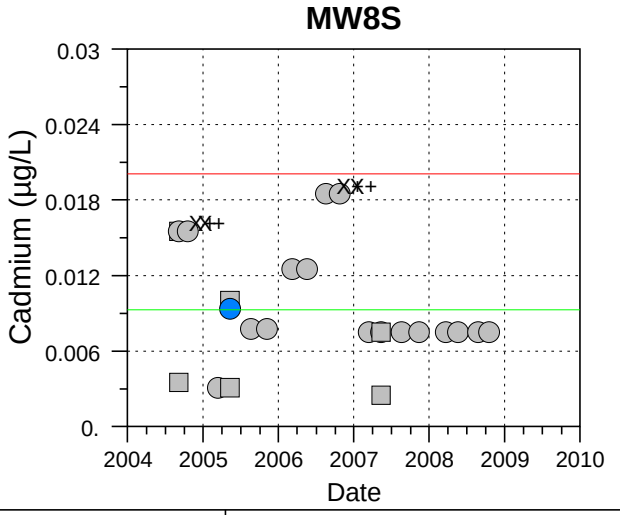

Legend

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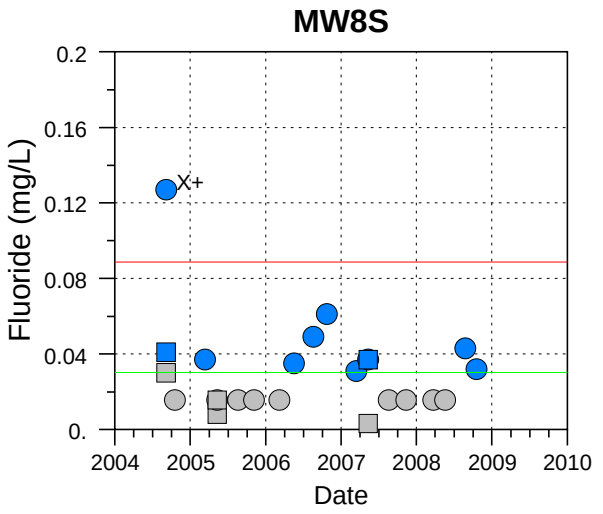

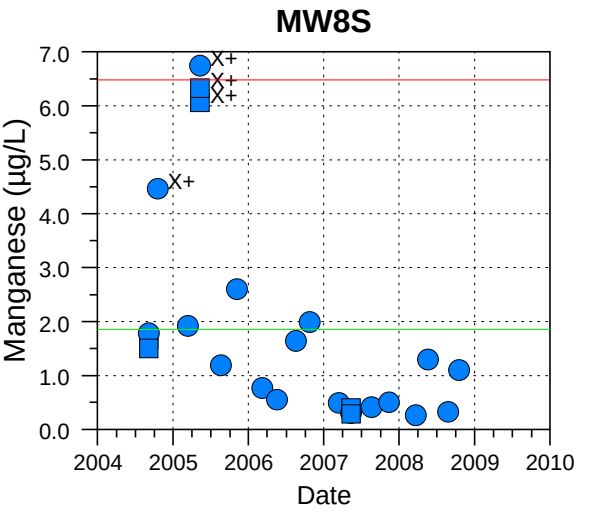

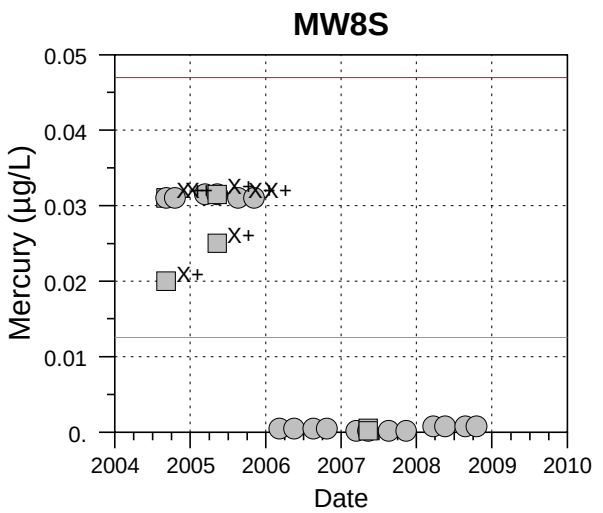

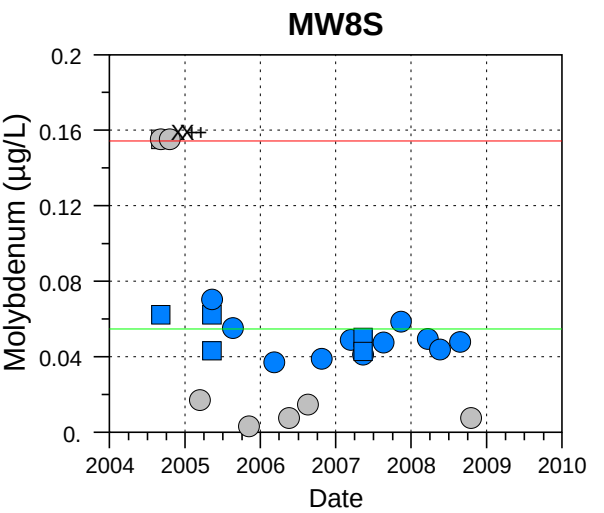

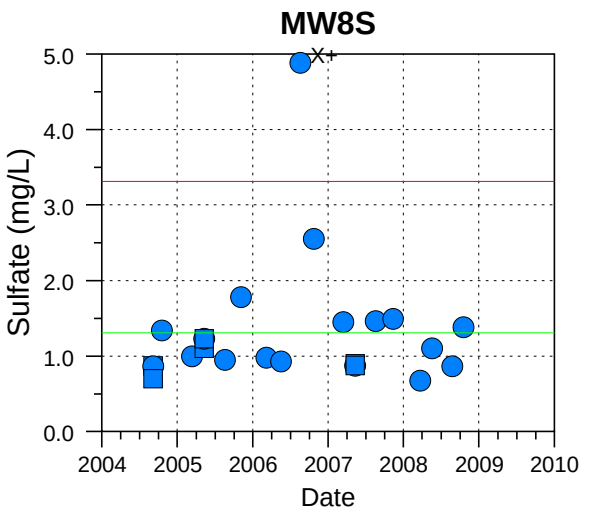

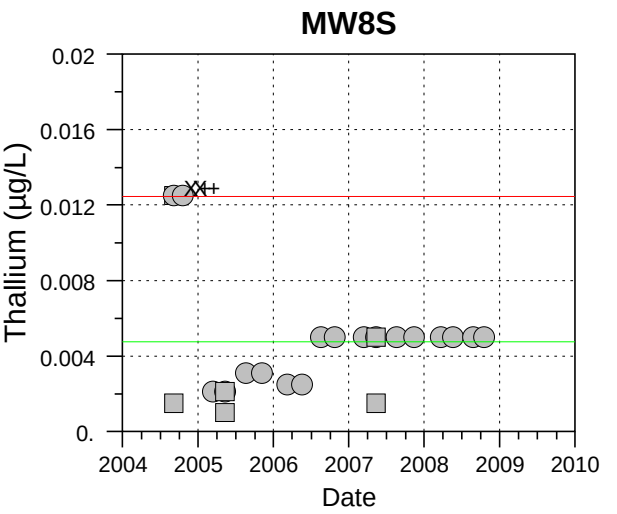

Legend

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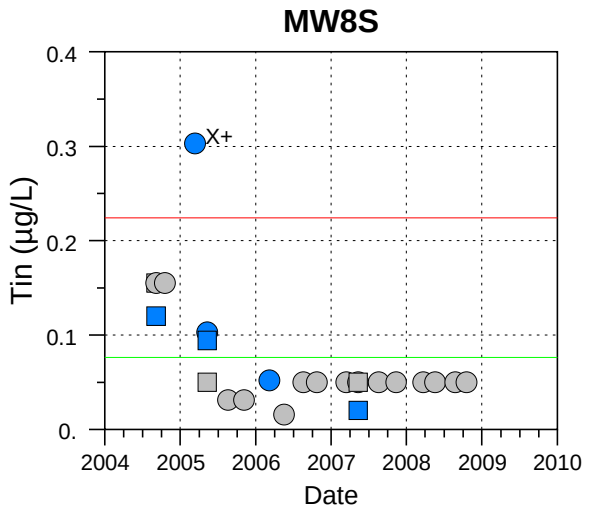

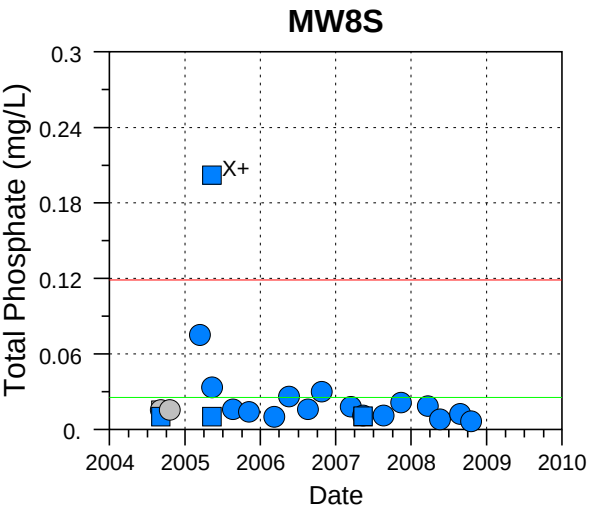

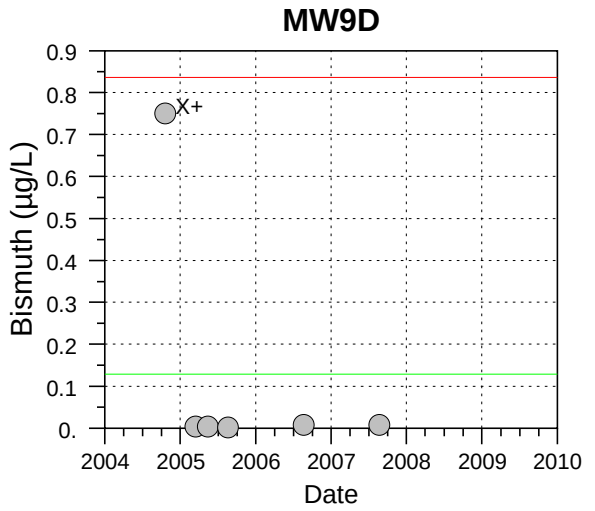

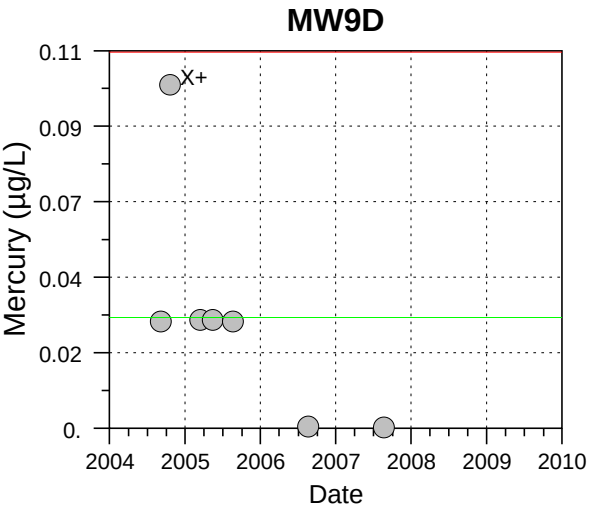

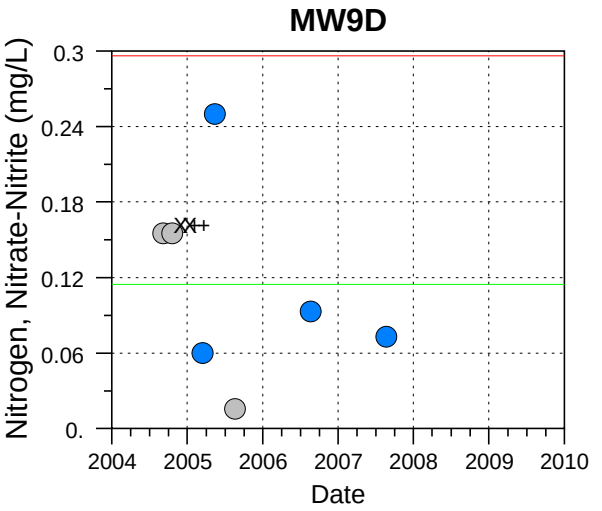

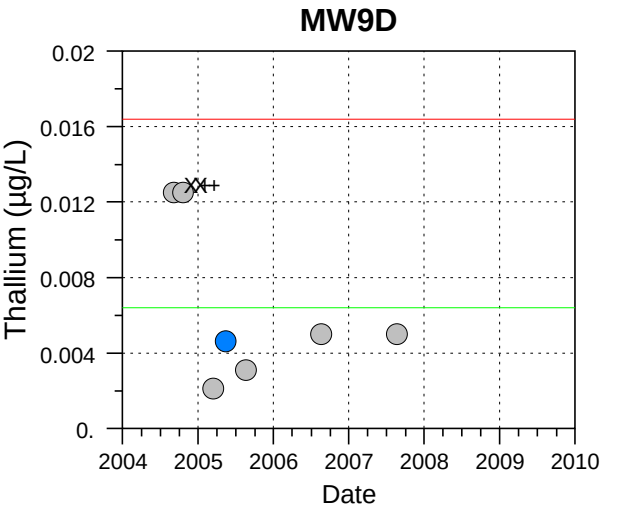

Legend

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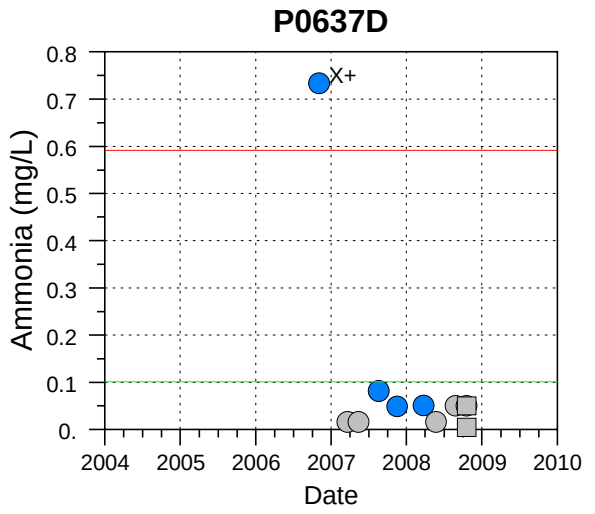

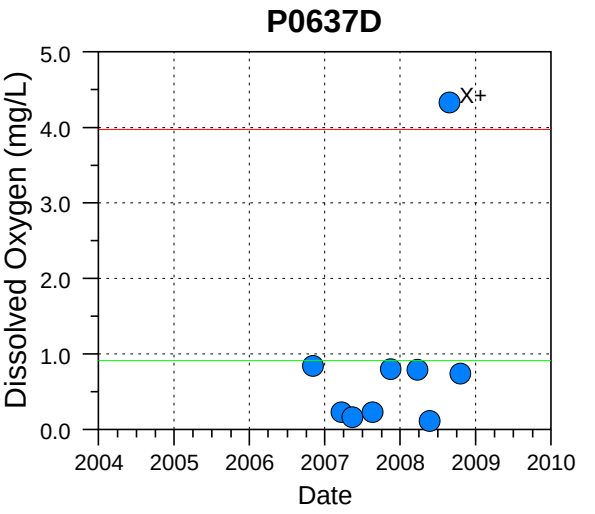

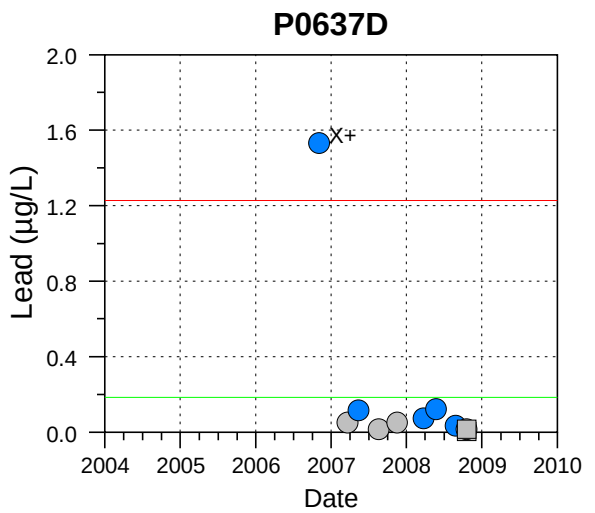

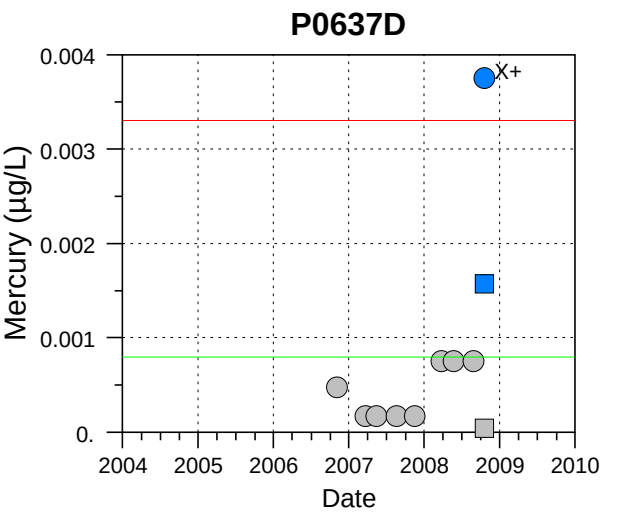

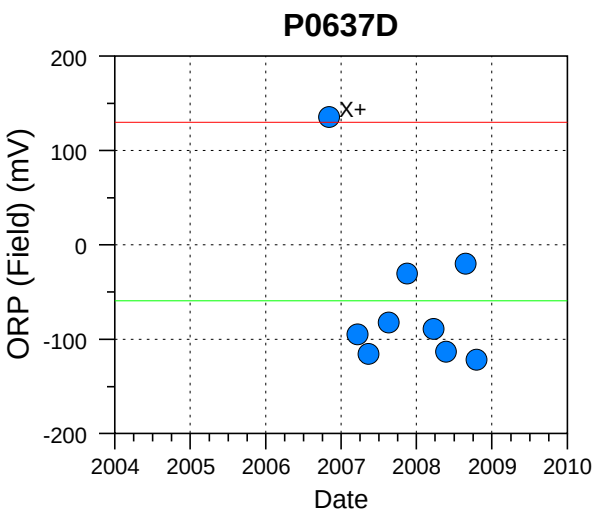

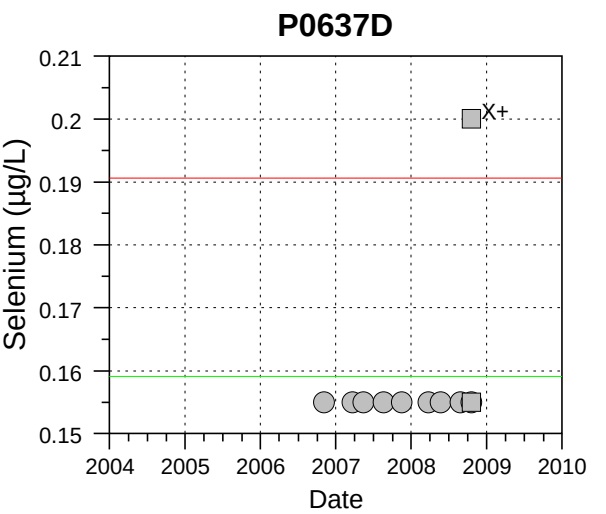

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X+ outlier, very high value

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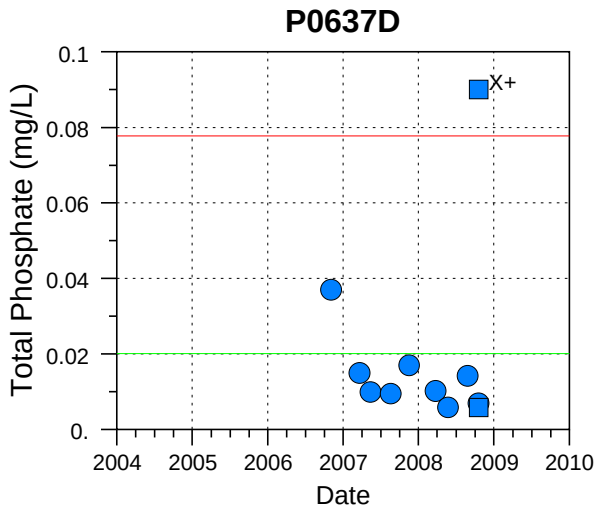

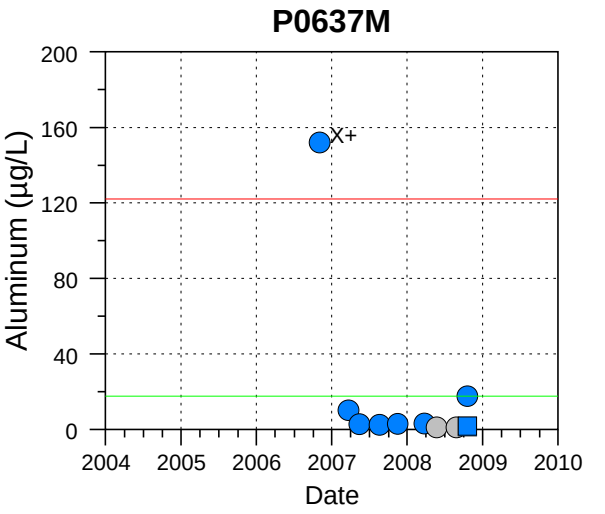

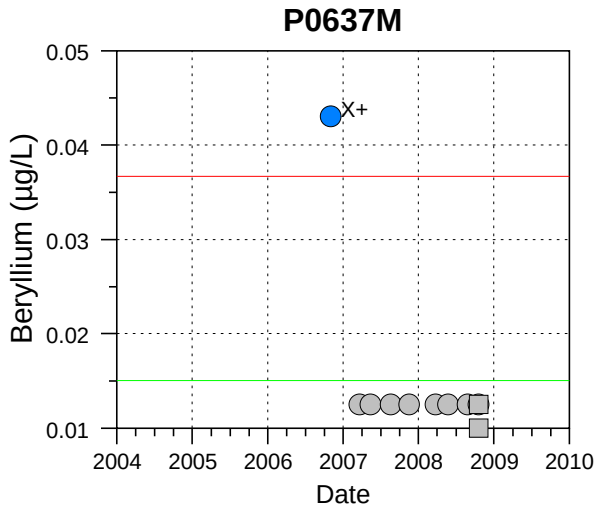

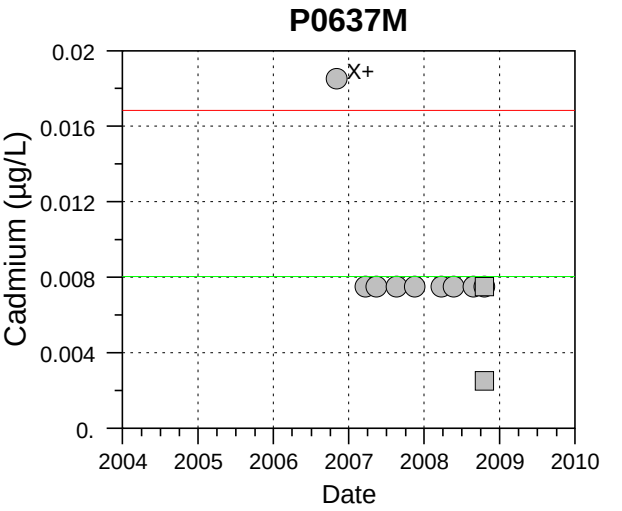

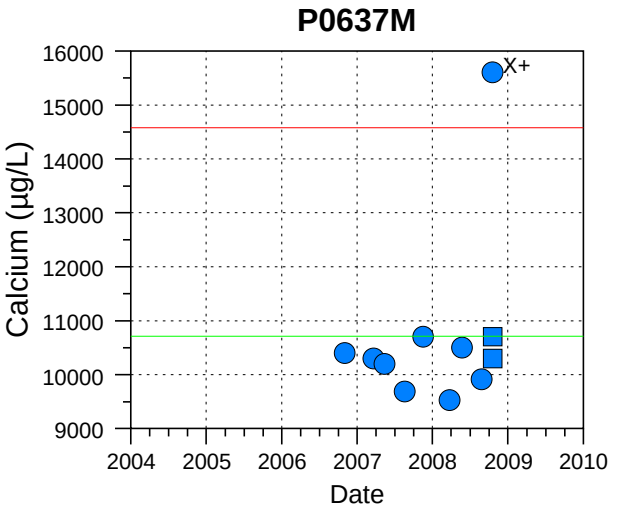

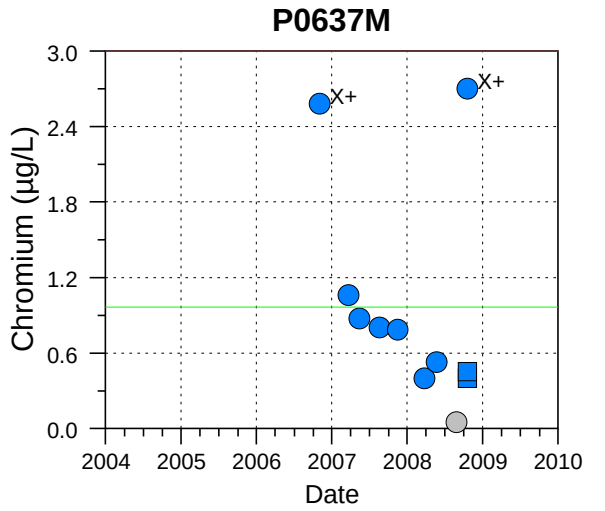

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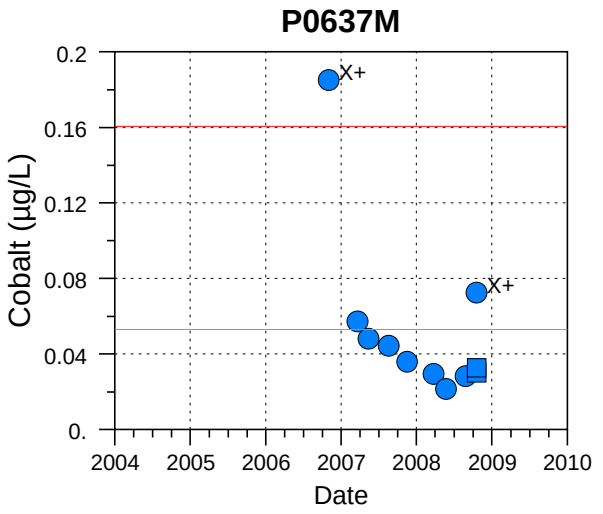

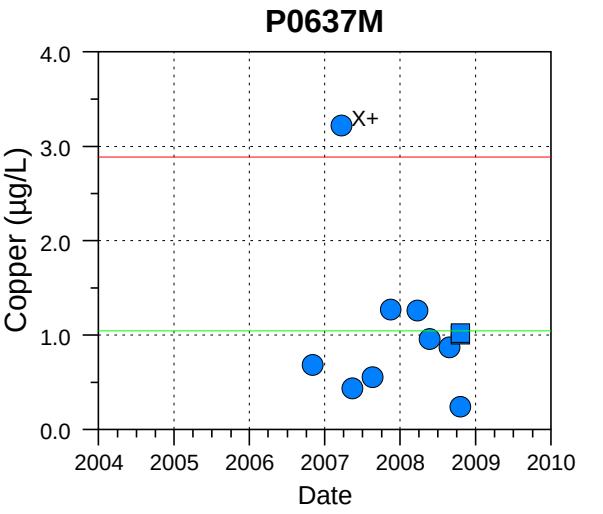

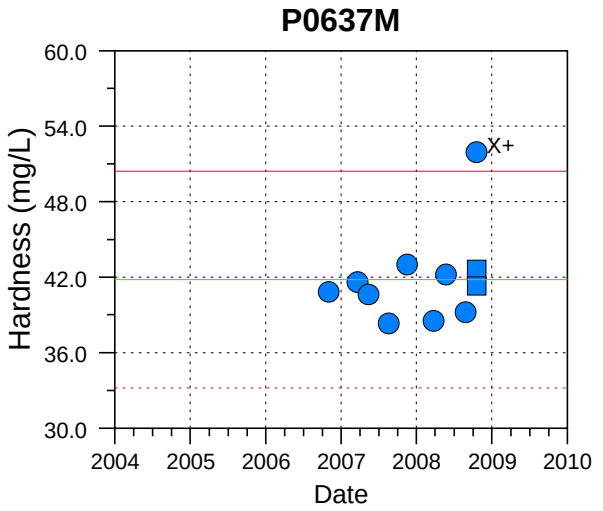

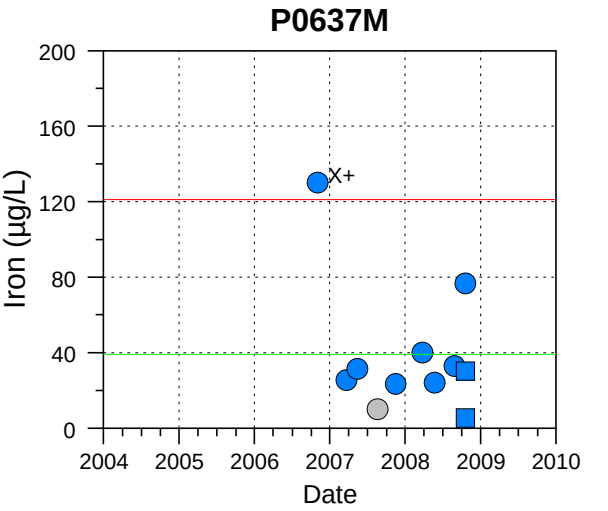

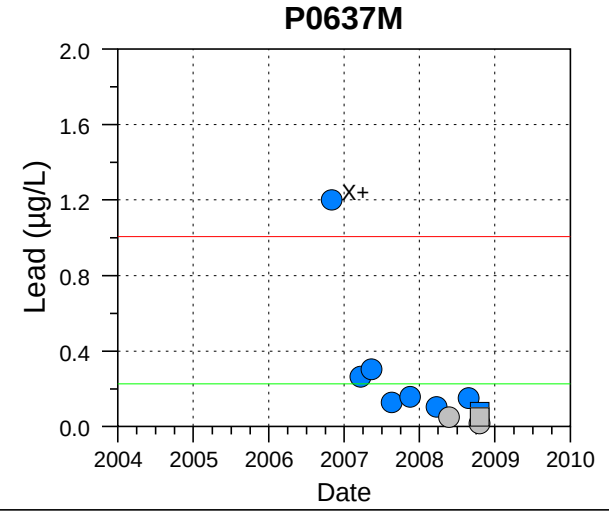

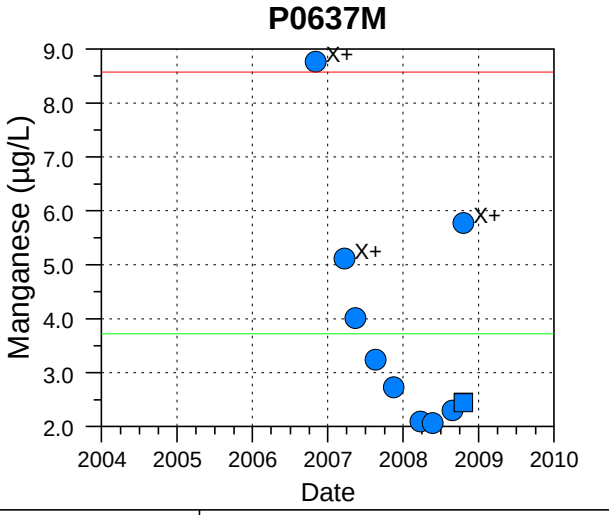

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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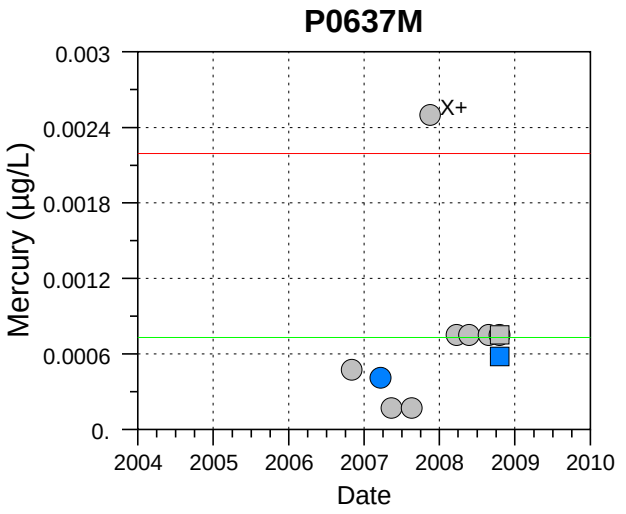
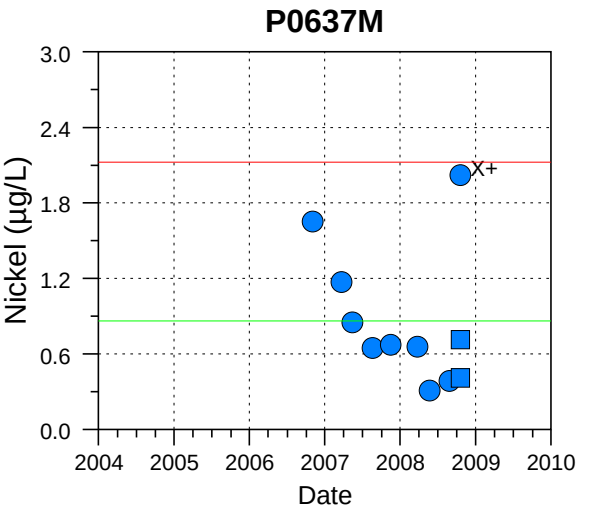
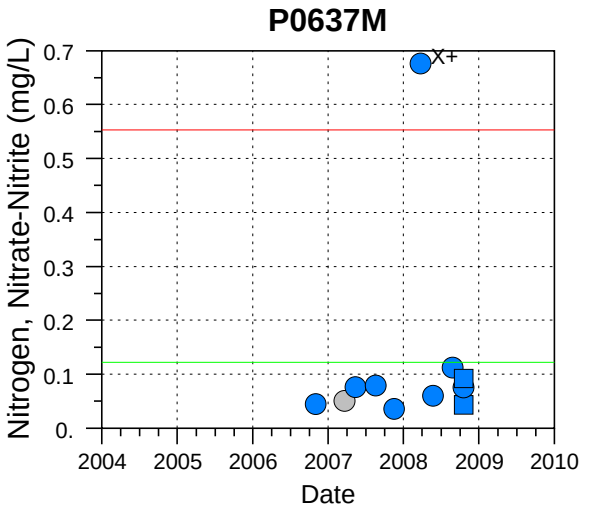
THE pebble PARTNERSHIP

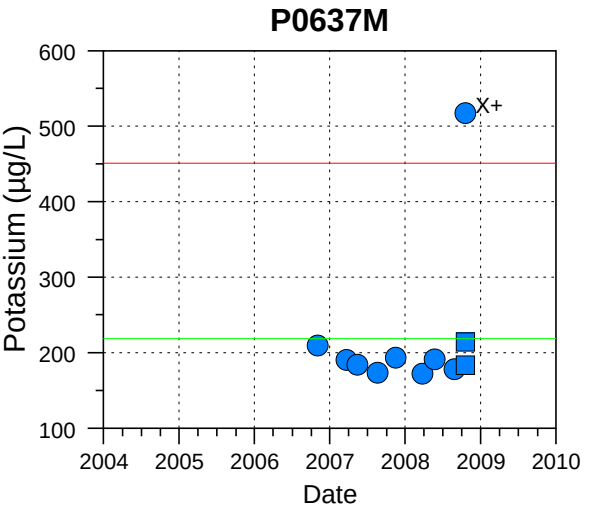
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

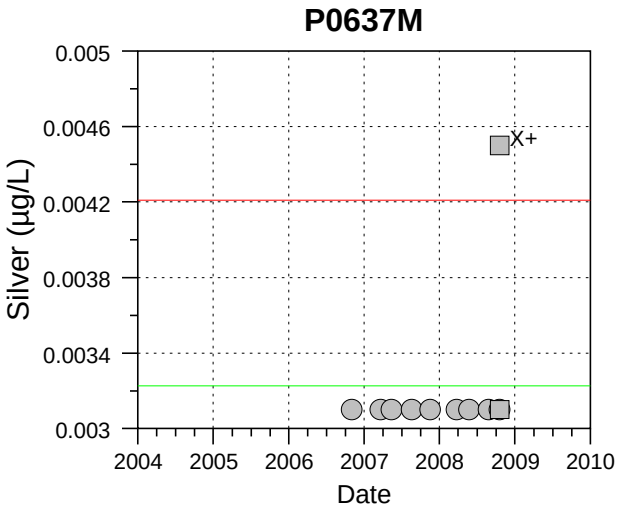
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

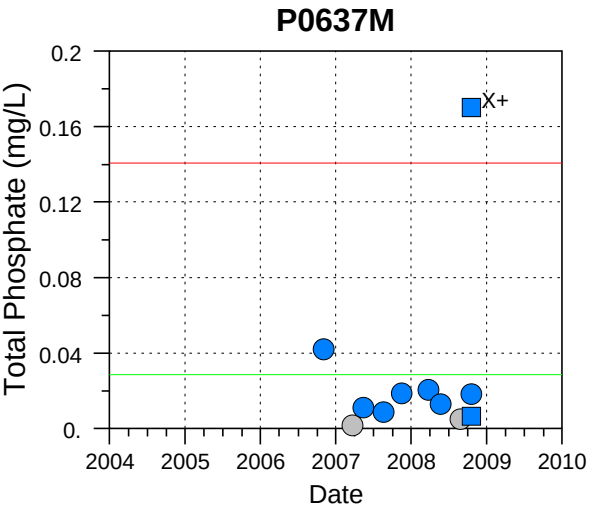












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

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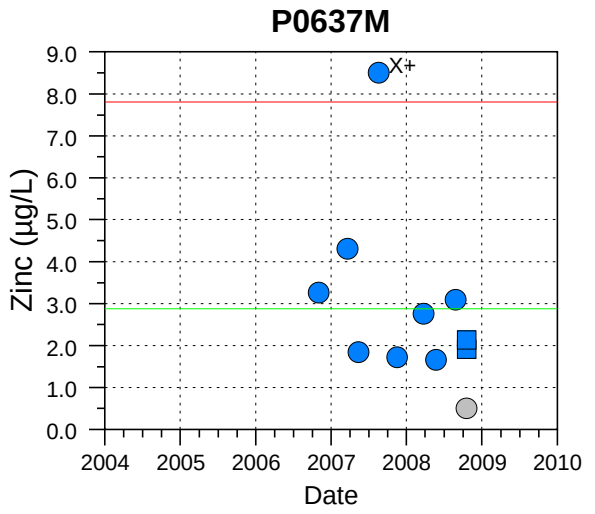

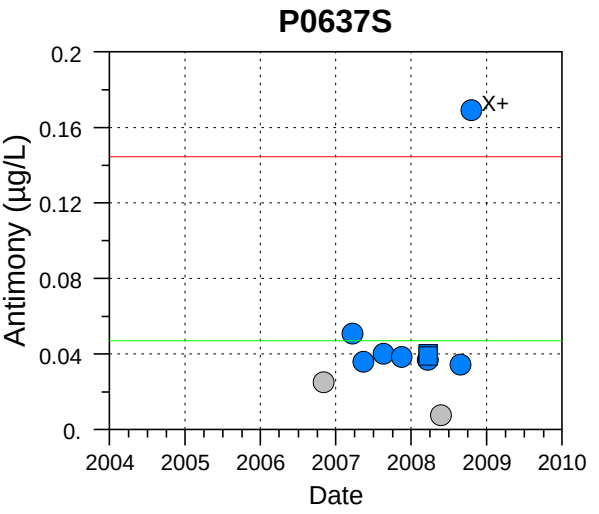

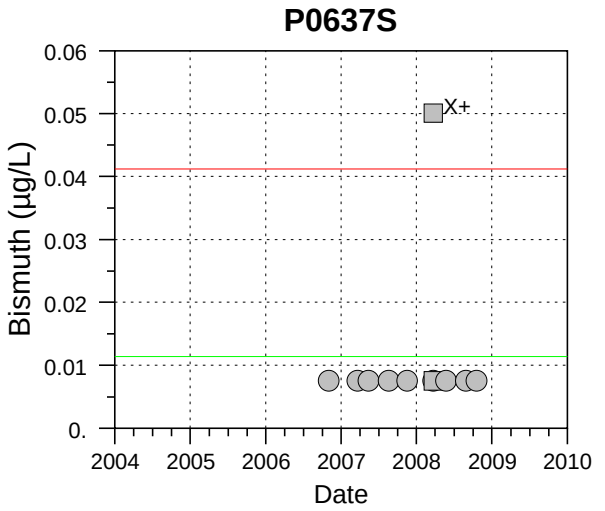

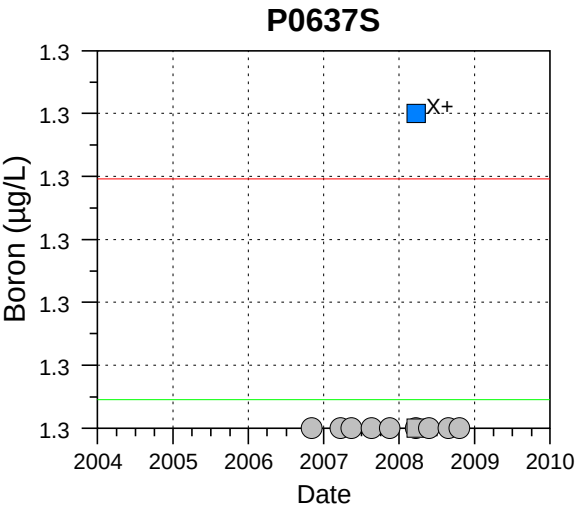

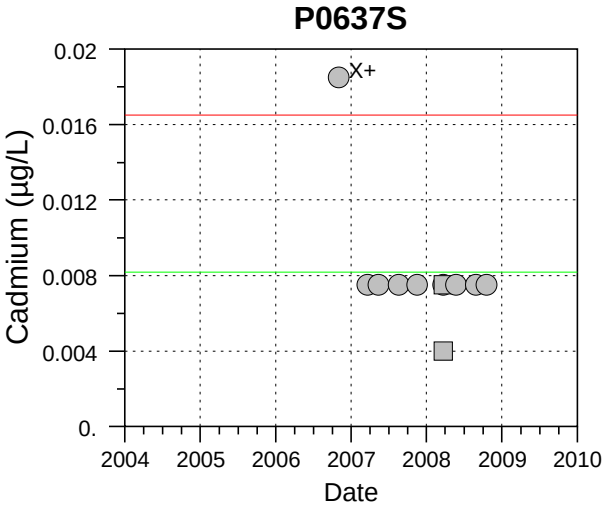

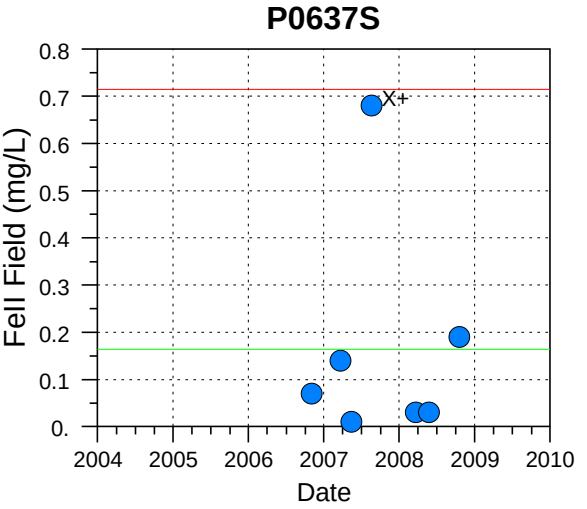

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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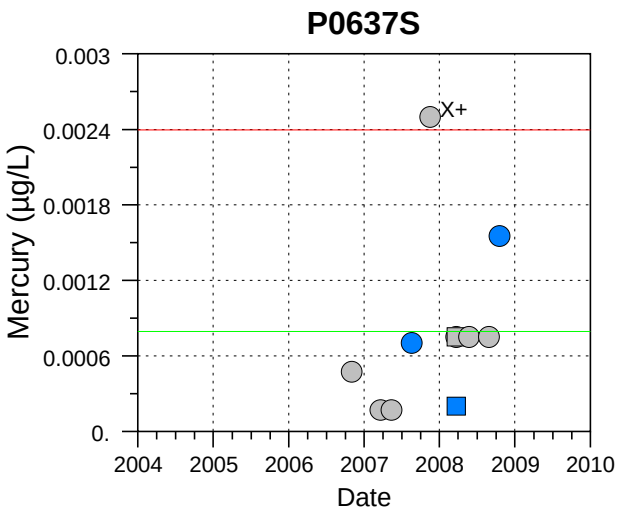
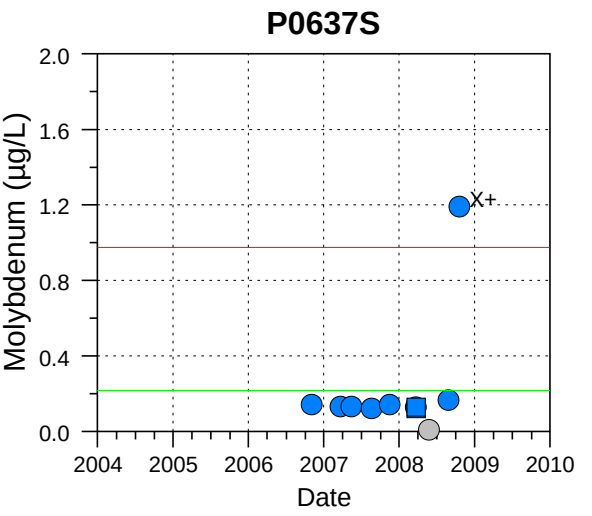
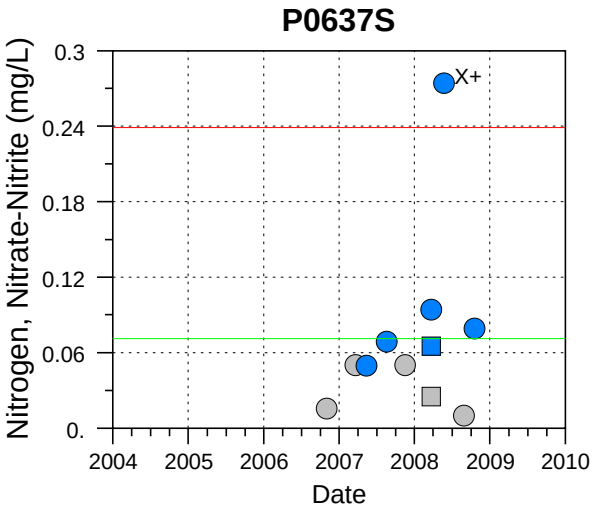
THE pebble PARTNERSHIP

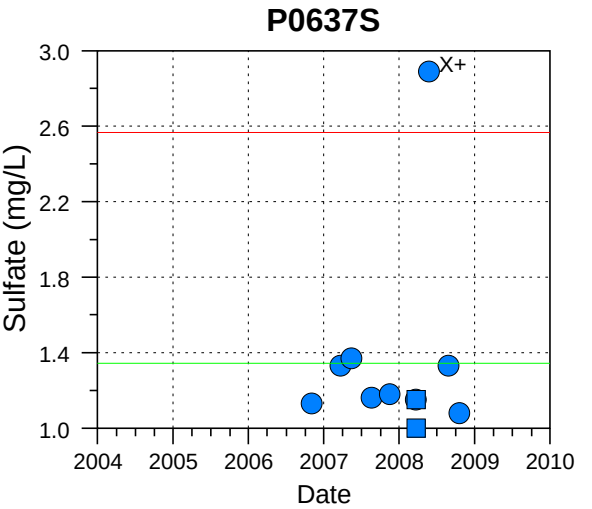
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

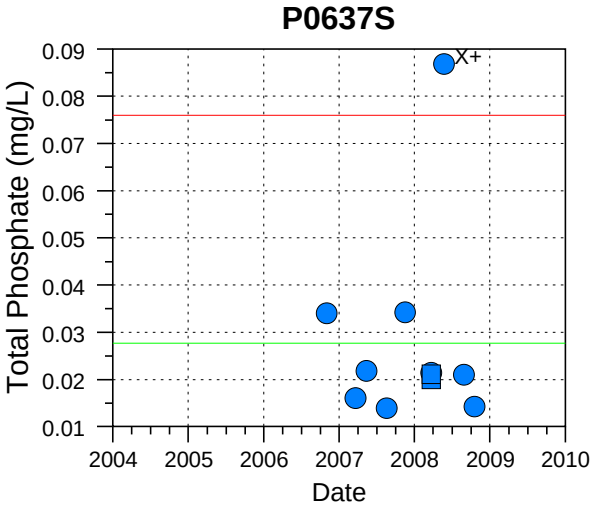
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

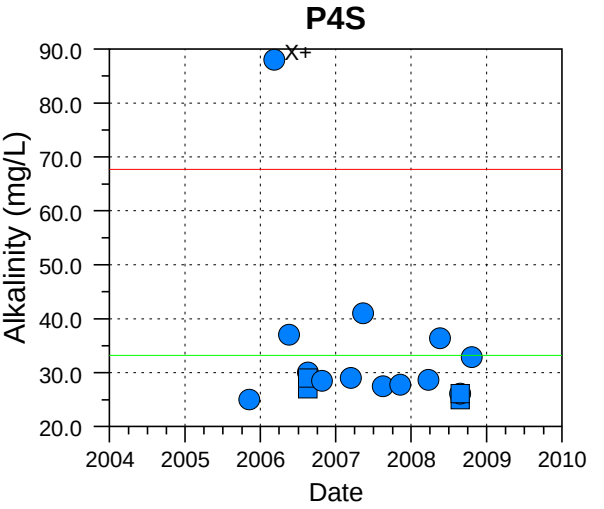












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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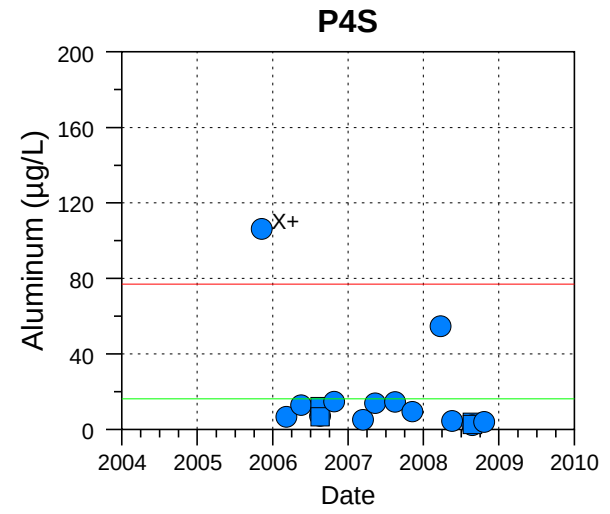
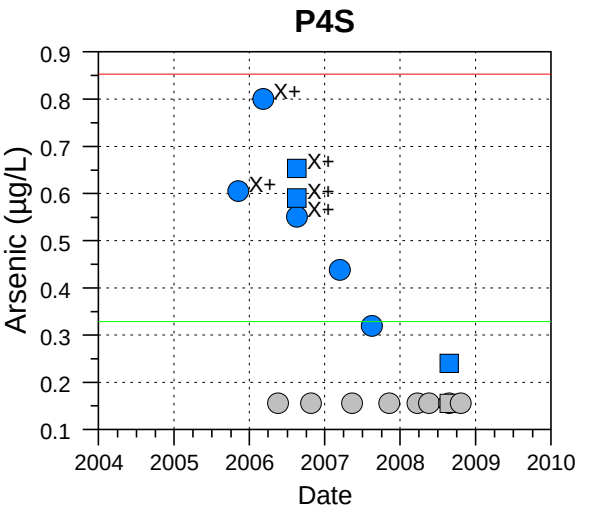
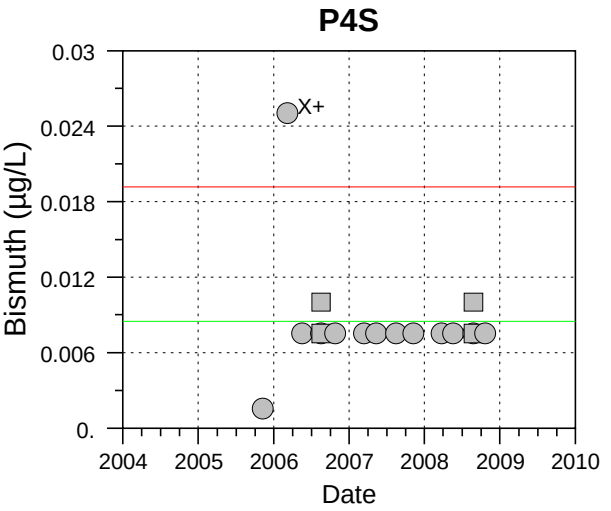
THE pebble PARTNERSHIP

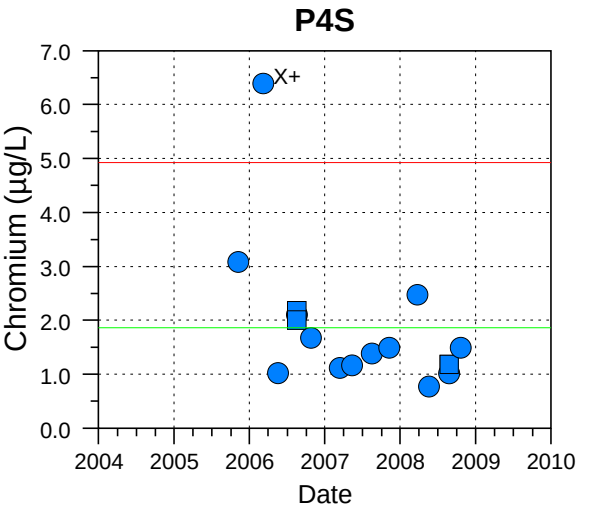
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

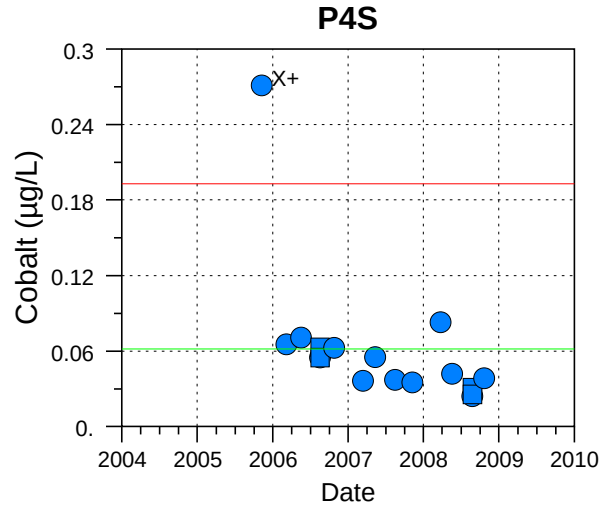
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

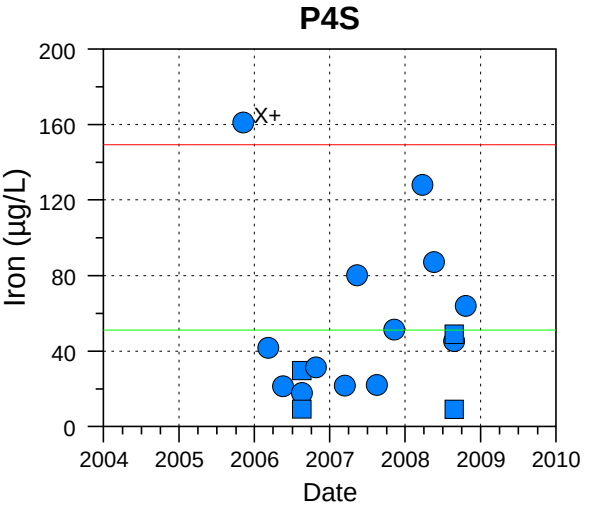












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
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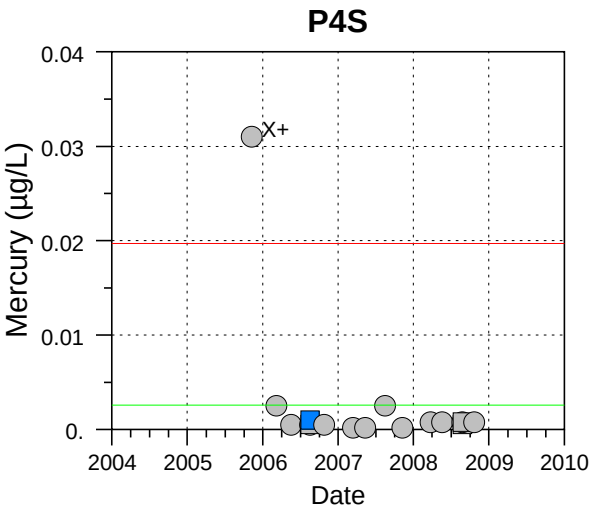

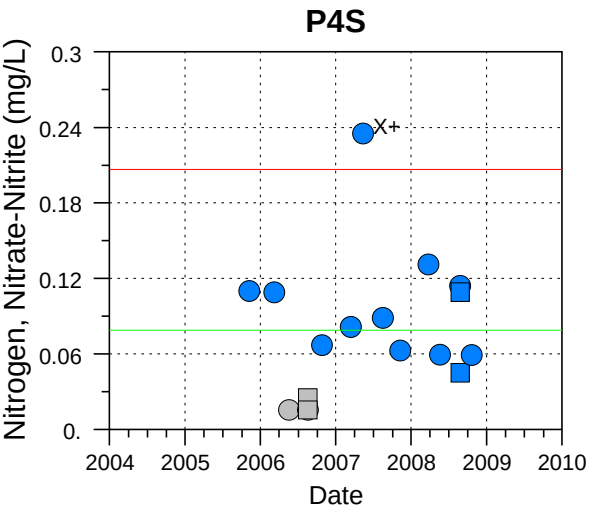

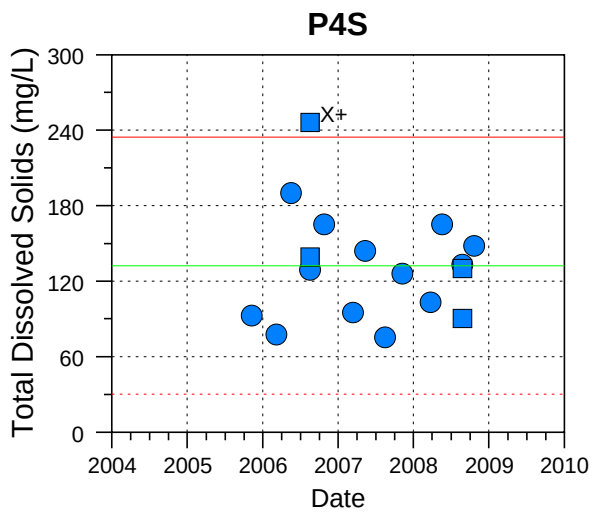

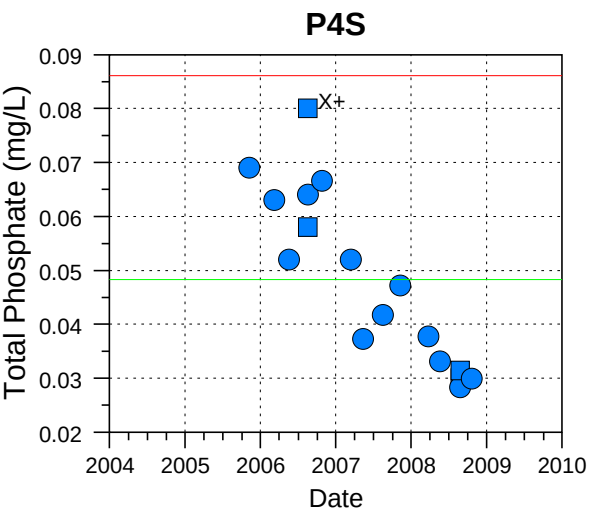

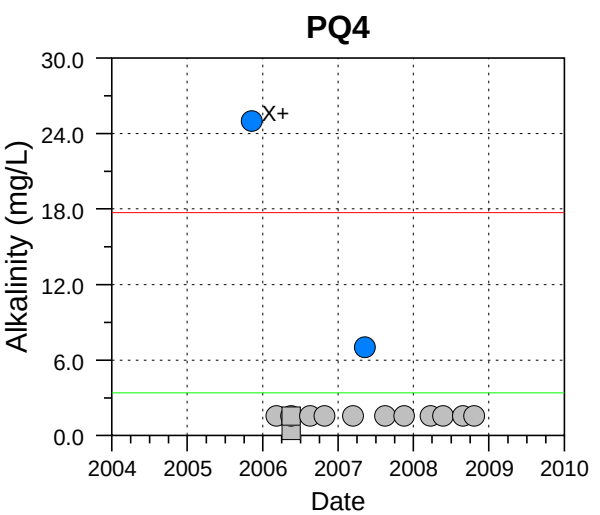

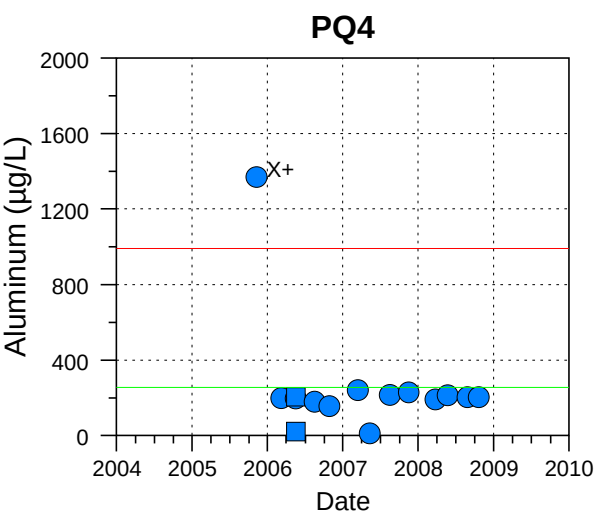

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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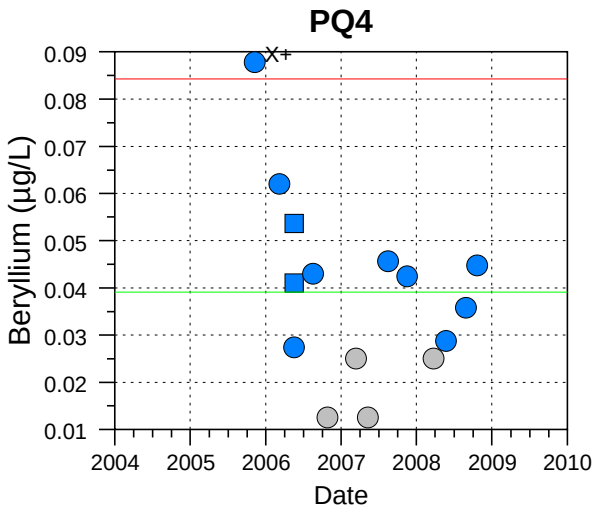

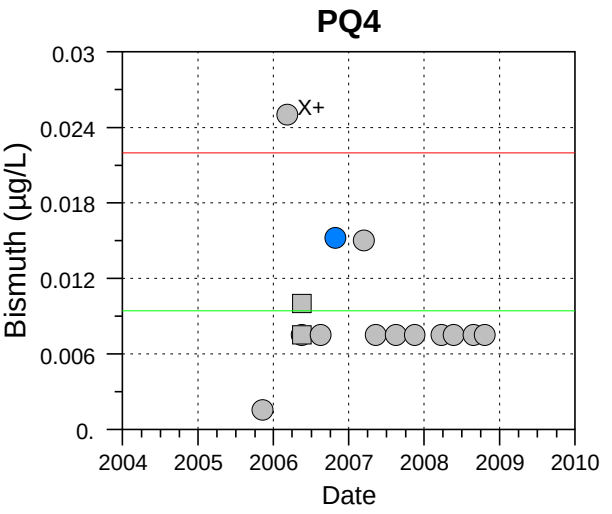

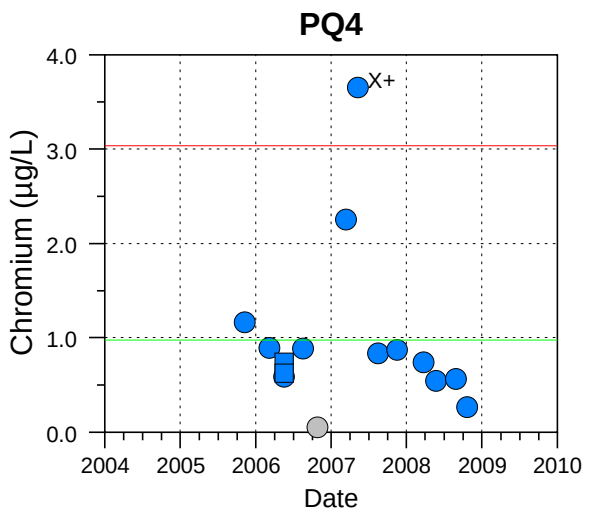

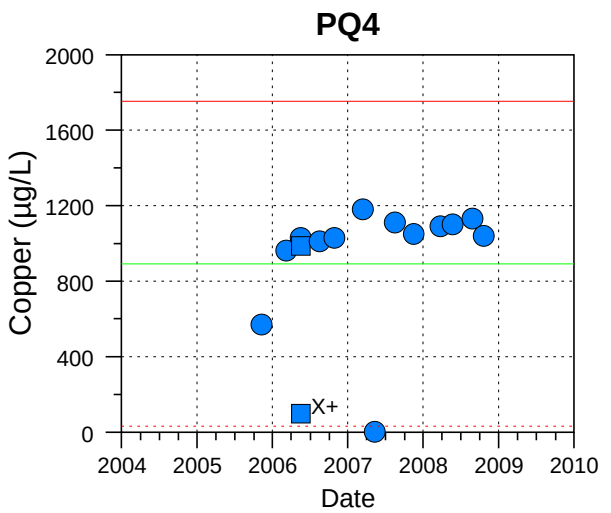

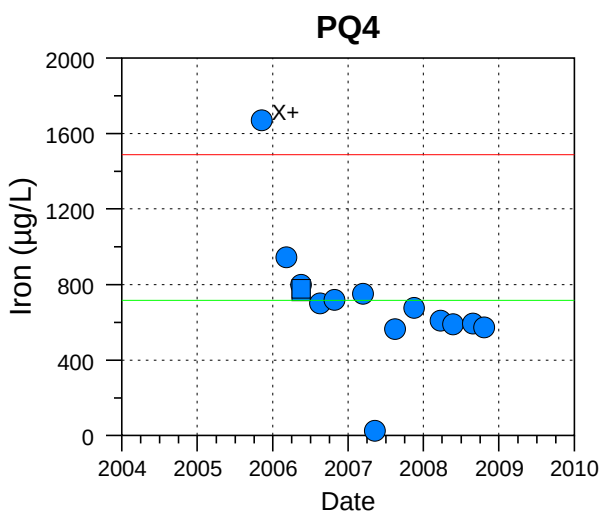

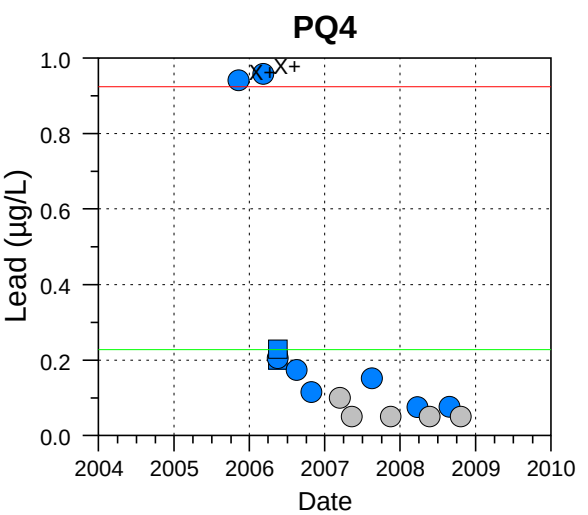

Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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Total Concentrations

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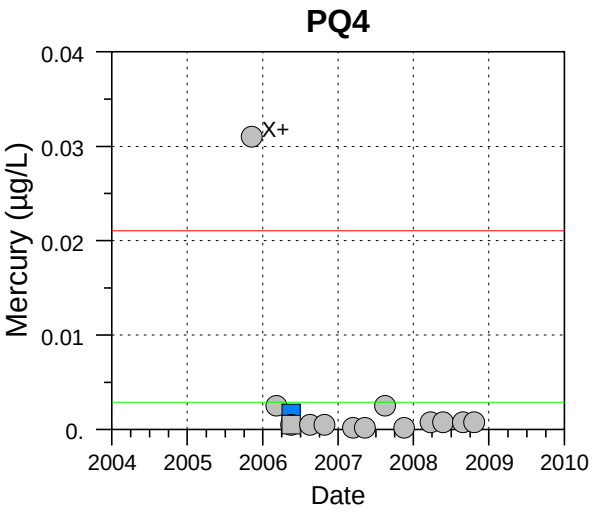

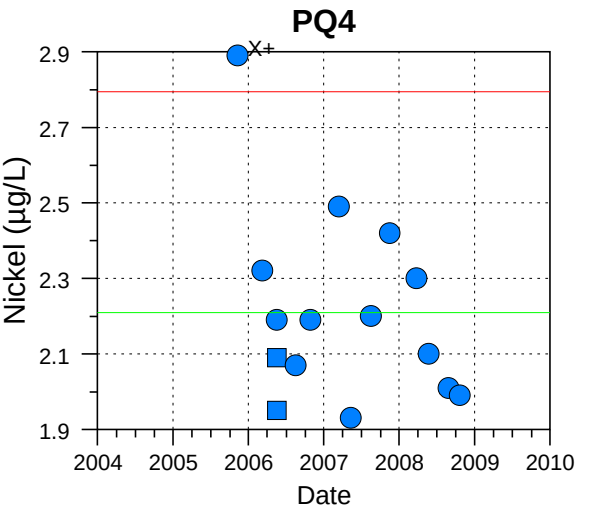

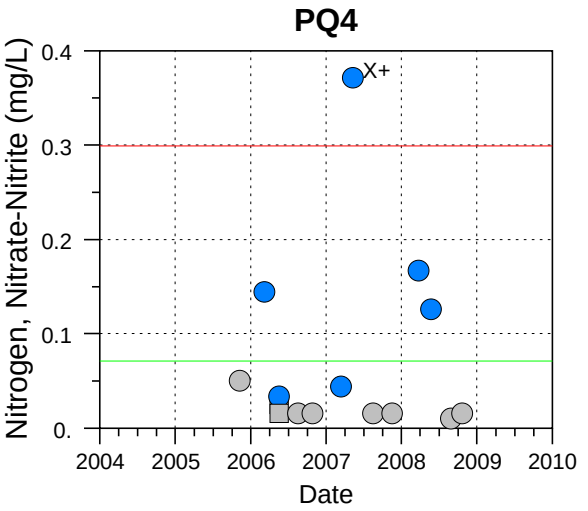

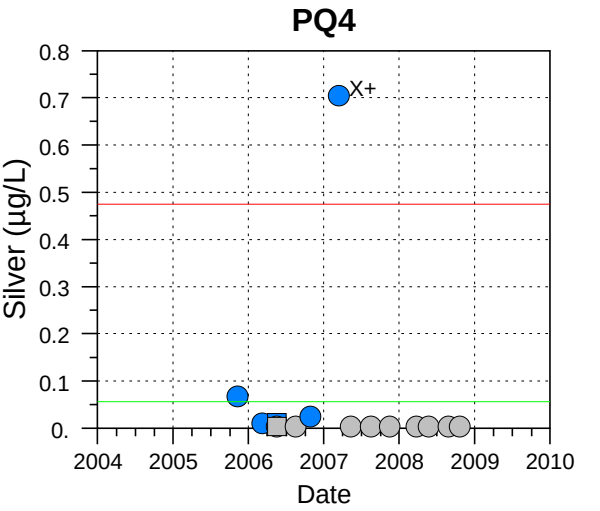

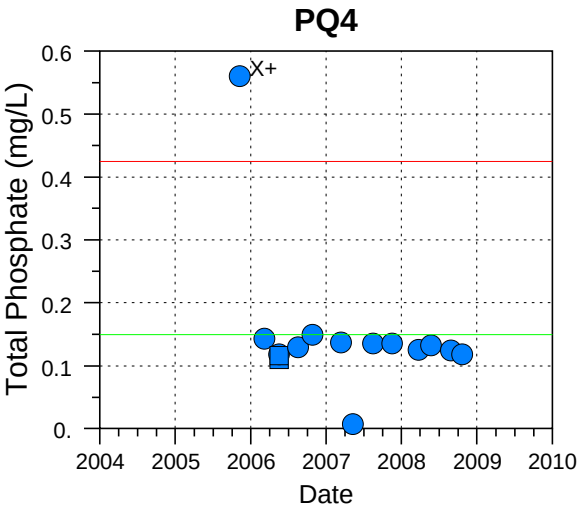

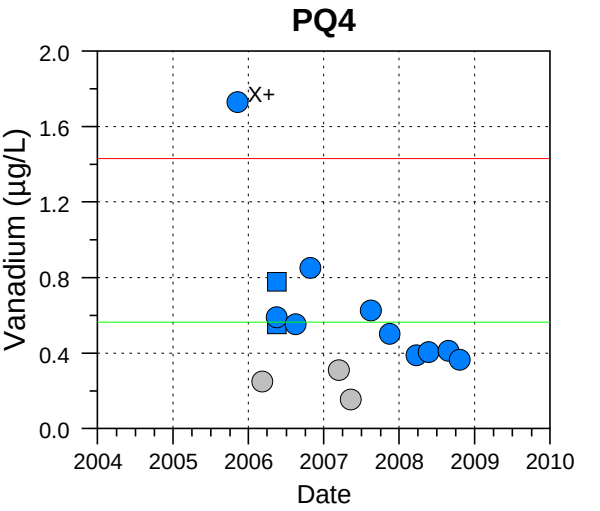

Legend

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- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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3. KPP4: Example for monitoring well identification label
4. mg/L= milligrams per liter,
ug/L = micrograms per liter

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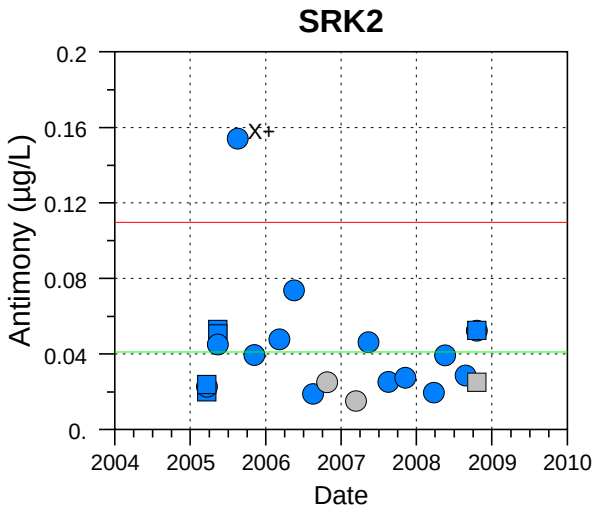
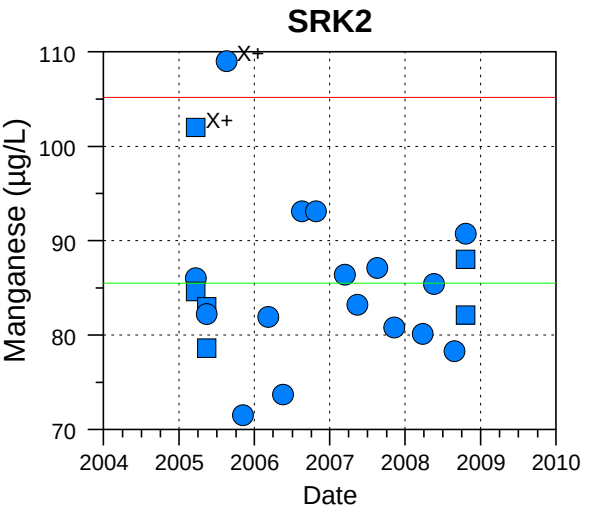
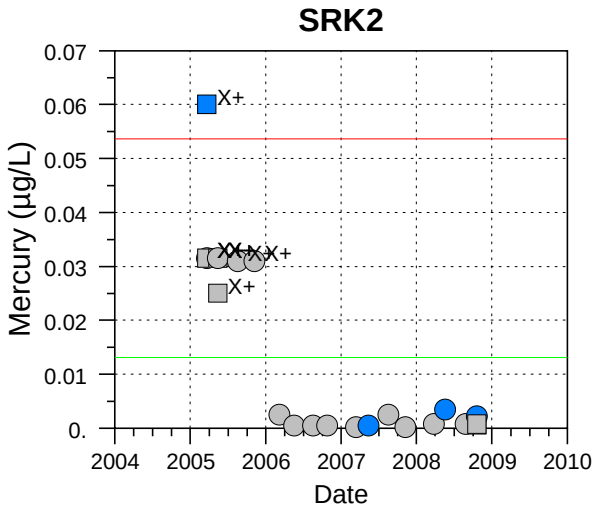
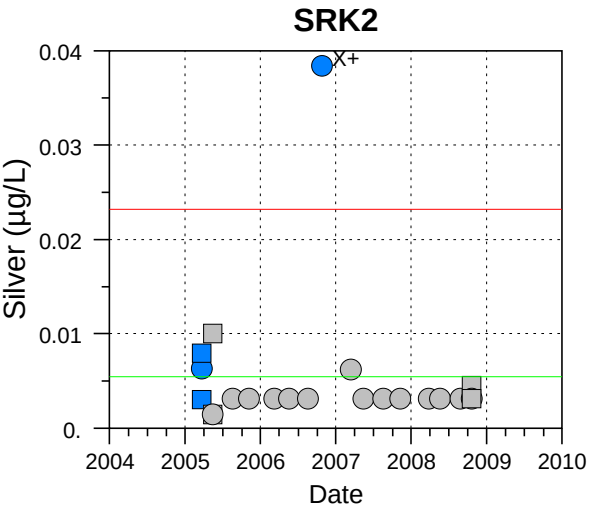
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

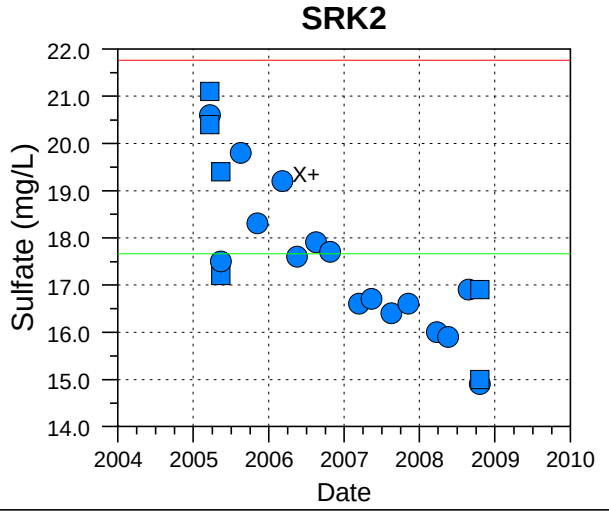
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

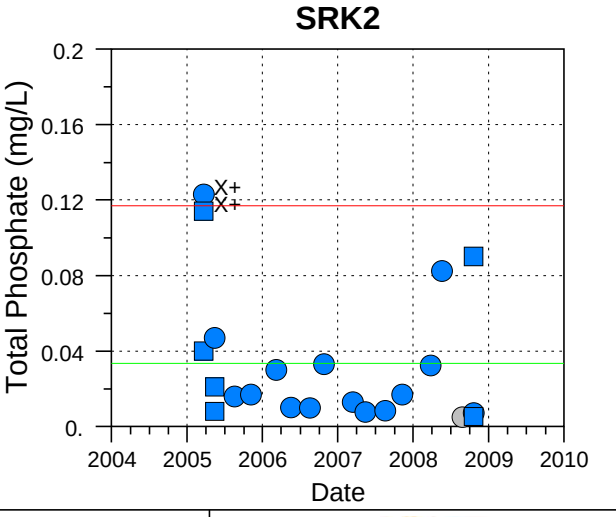












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
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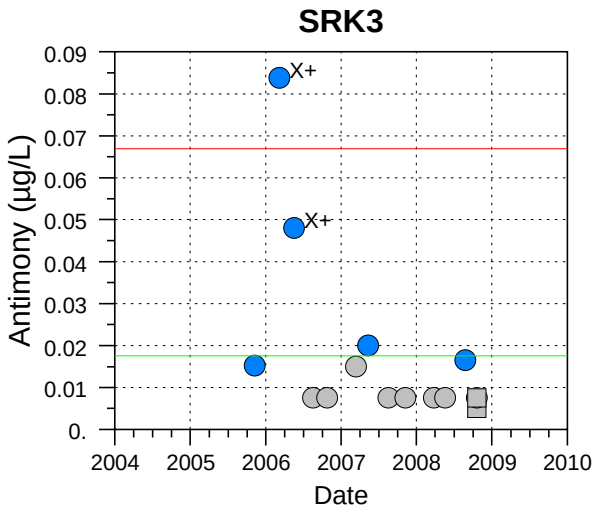
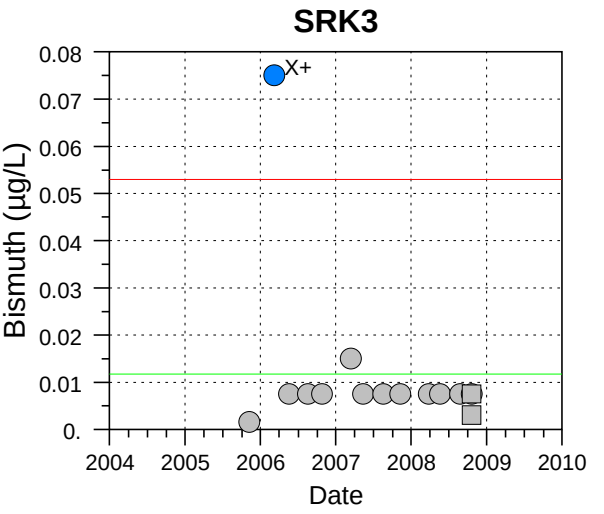
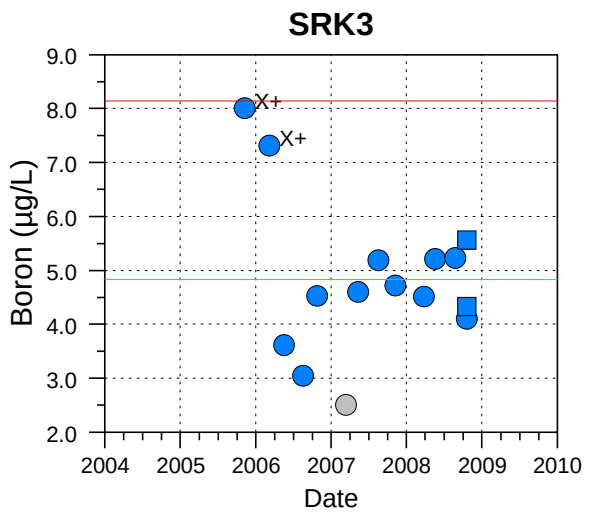
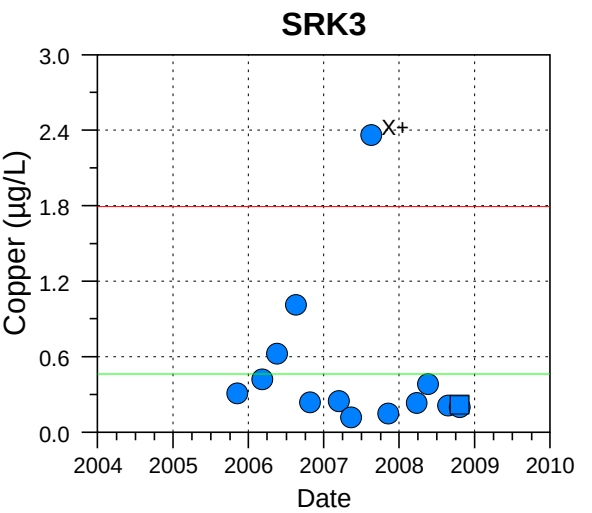
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

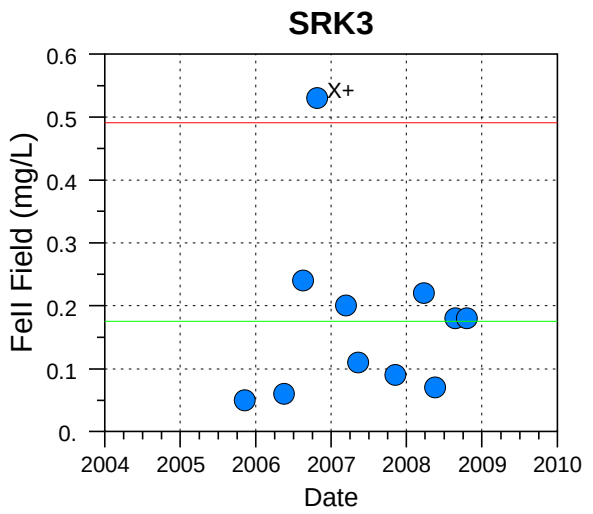
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

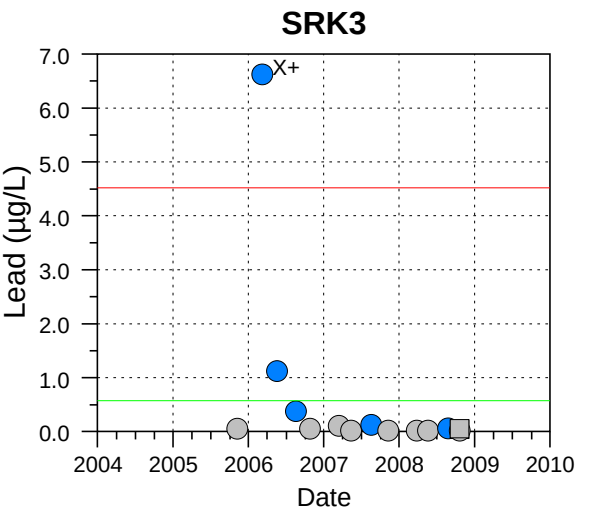












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1. Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
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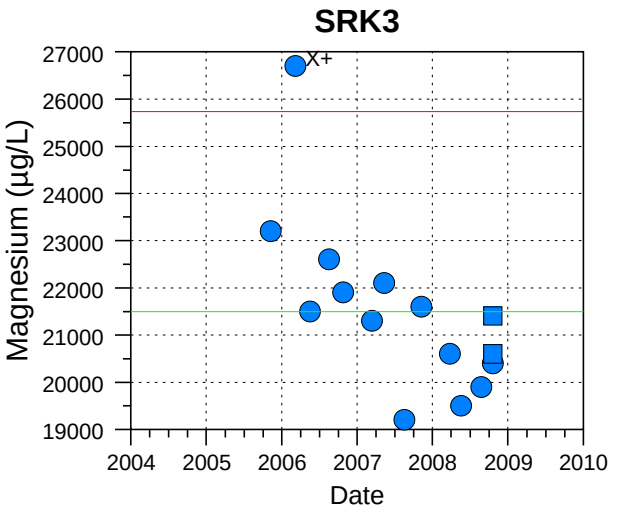
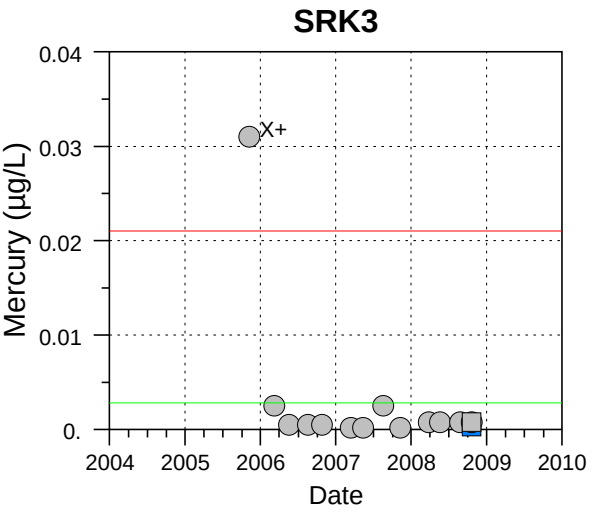
3. KPP4: Example for monitoring well identification label
4. mg/L= milligrams per liter,
ug/L = micrograms per liter

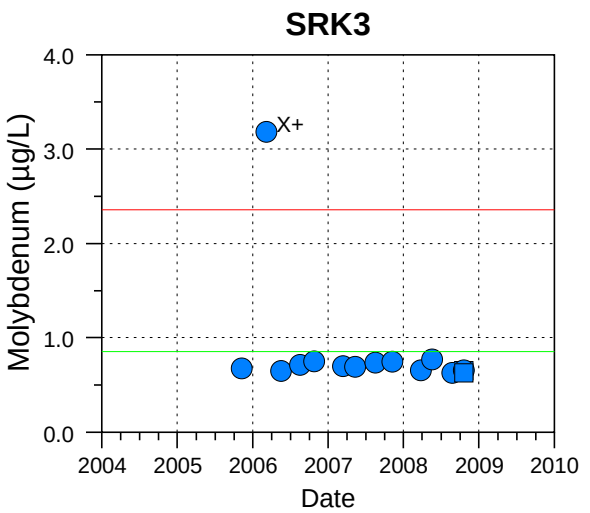
THE pebble PARTNERSHIP

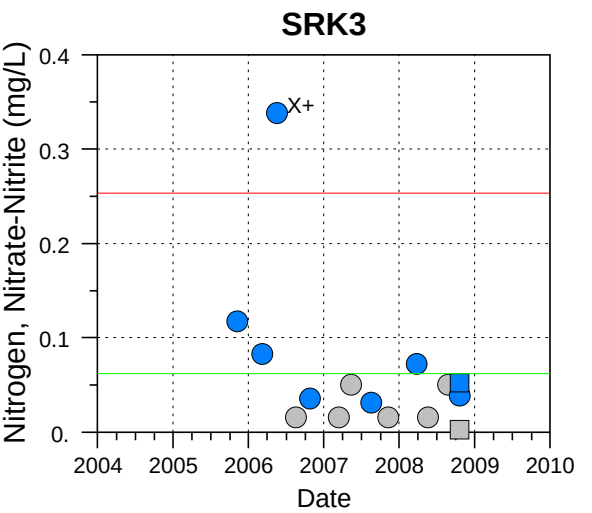
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

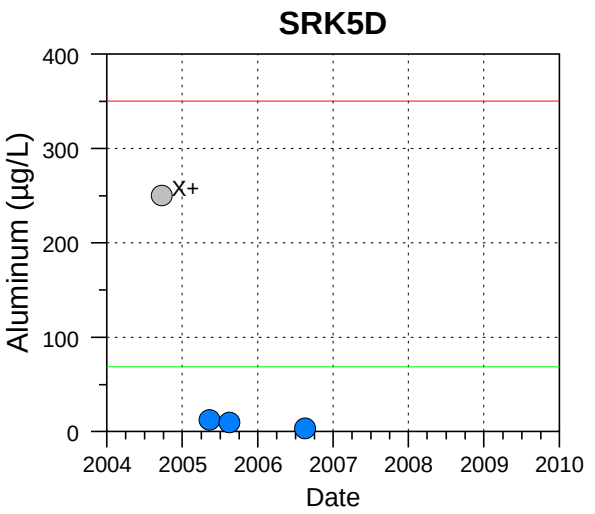
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

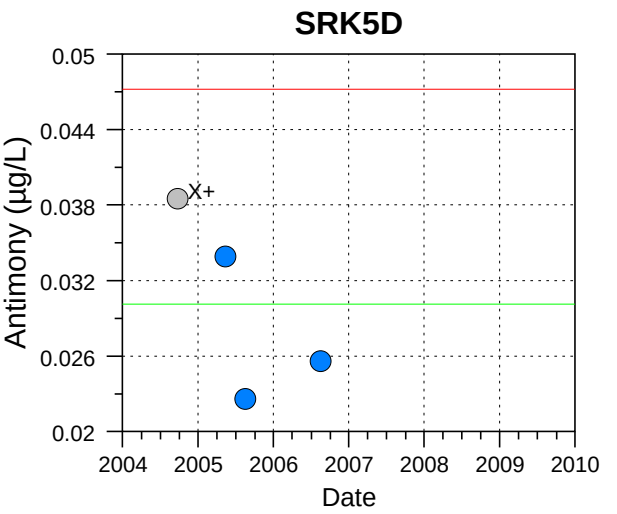












Legend

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X+ outlier, very high value

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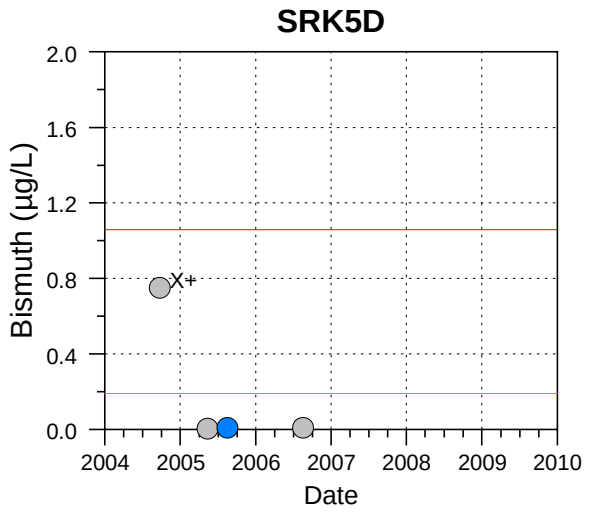
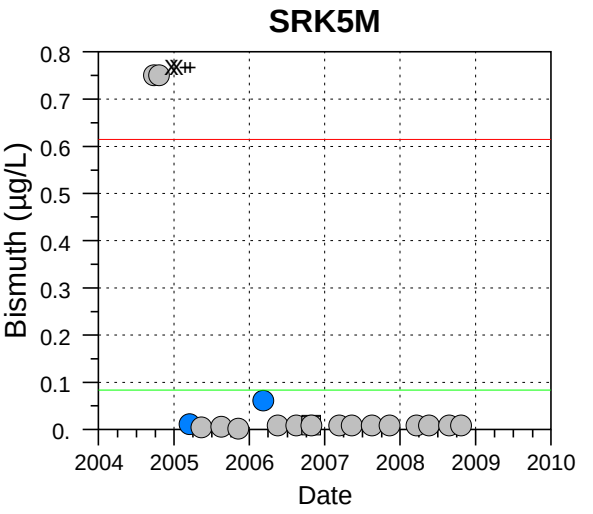
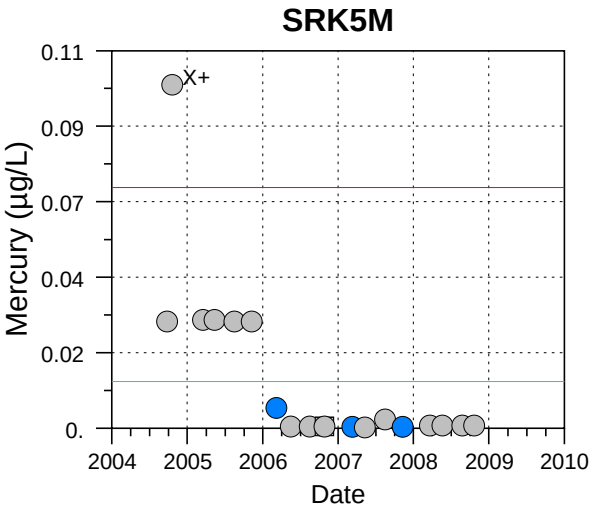
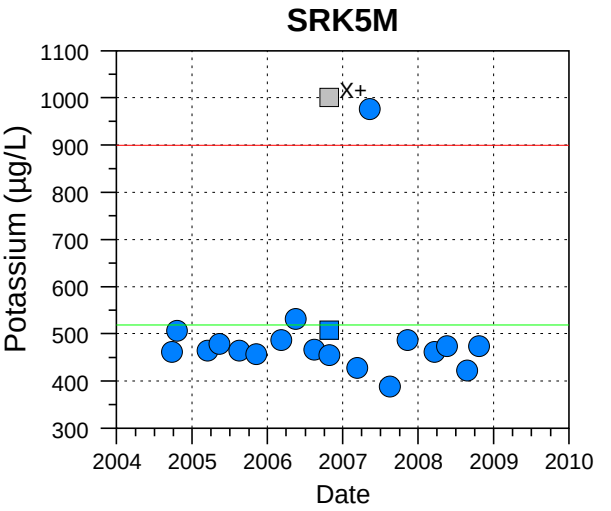
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

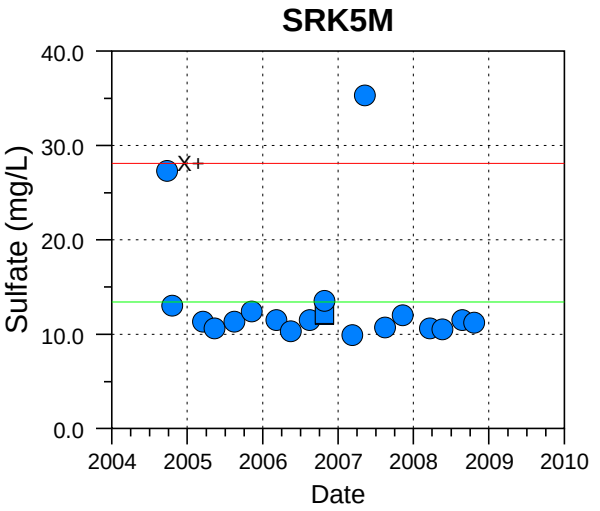
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

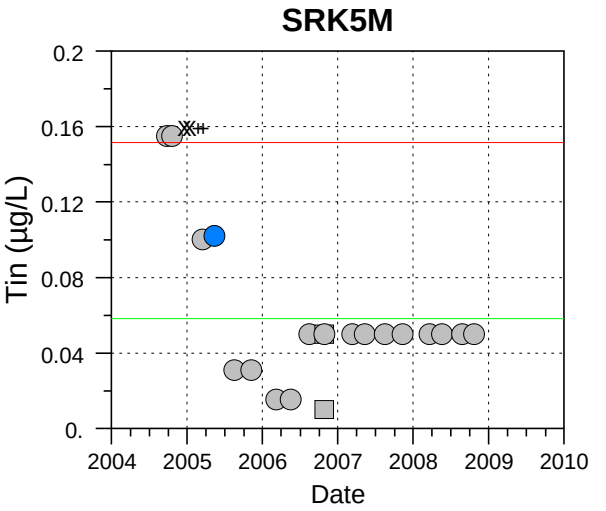












Legend

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Appendix 9.2C-2
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Total Concentrations

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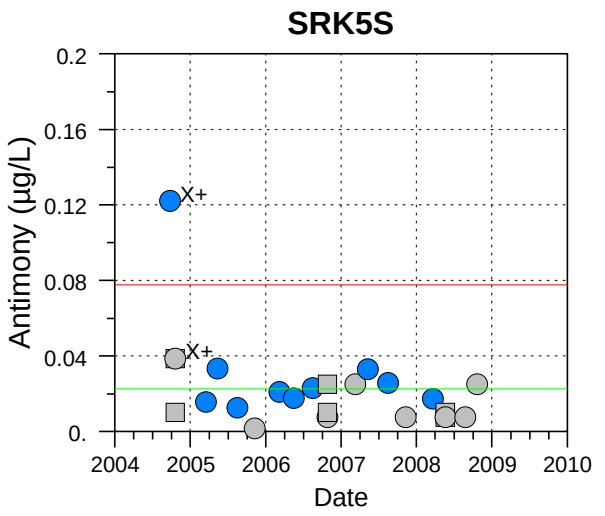

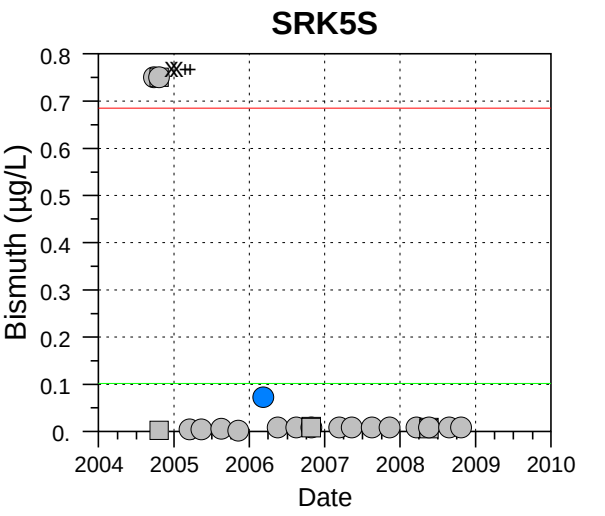

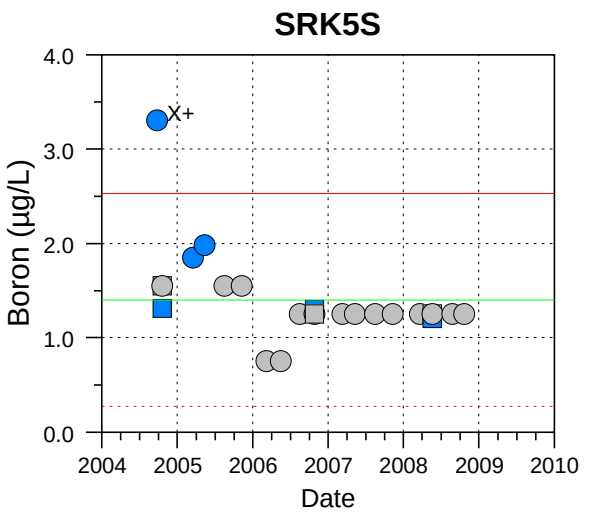

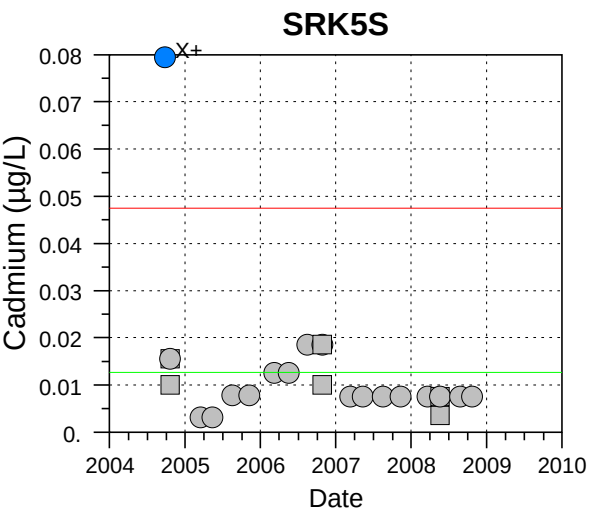

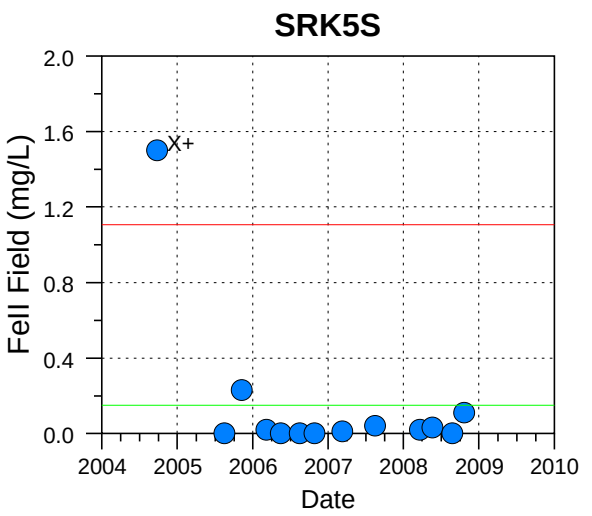

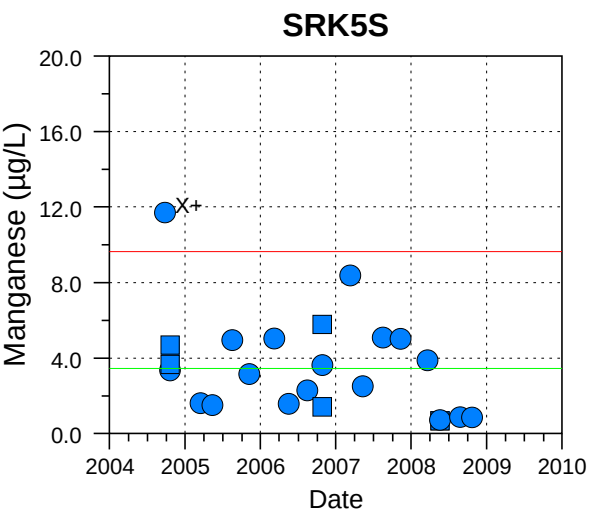

Legend

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X+ outlier, very high value

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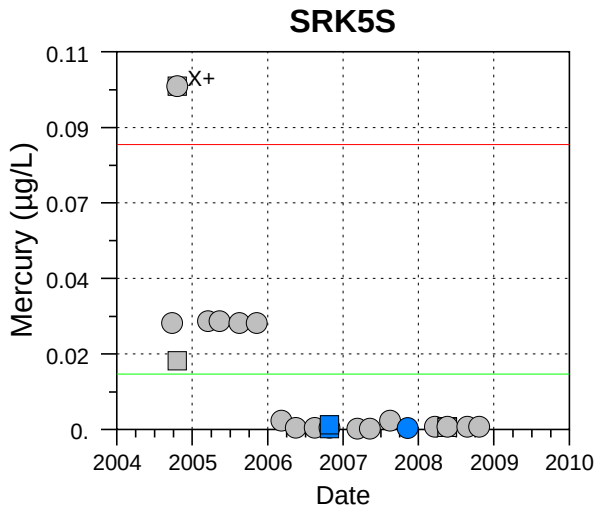
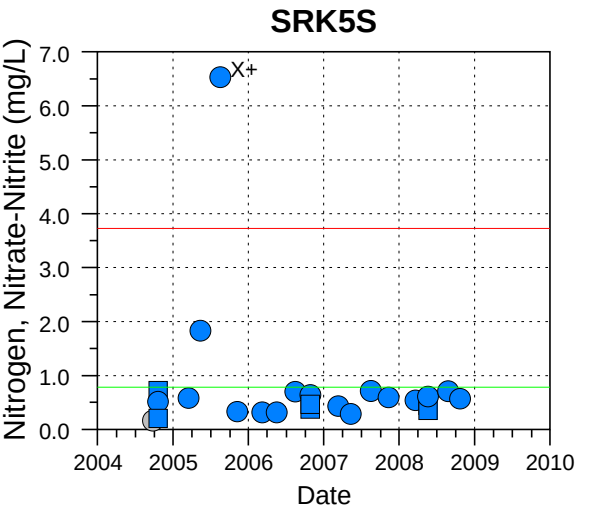
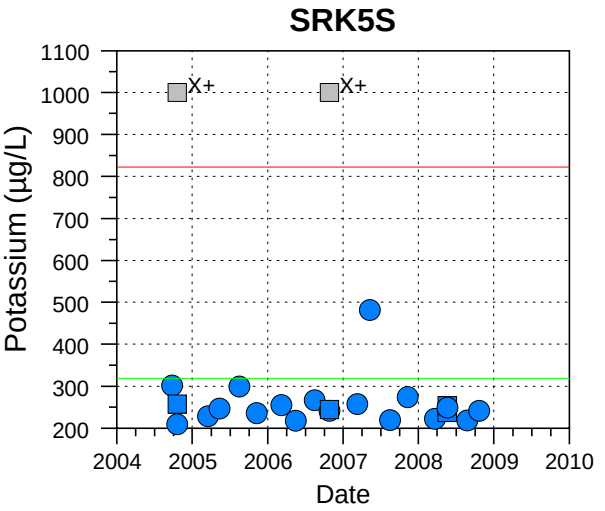
THE pebble PARTNERSHIP

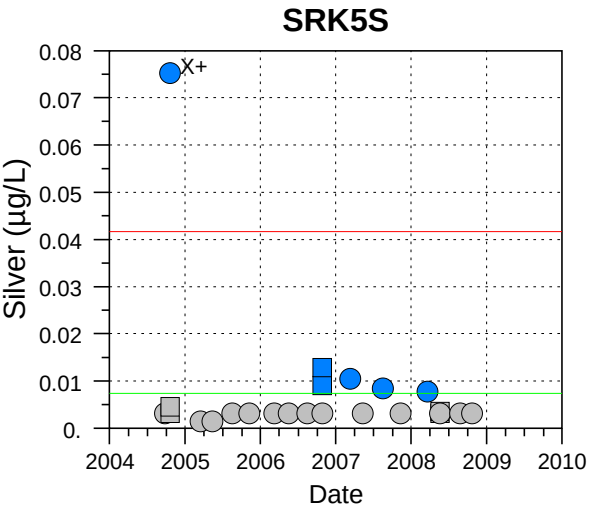
Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

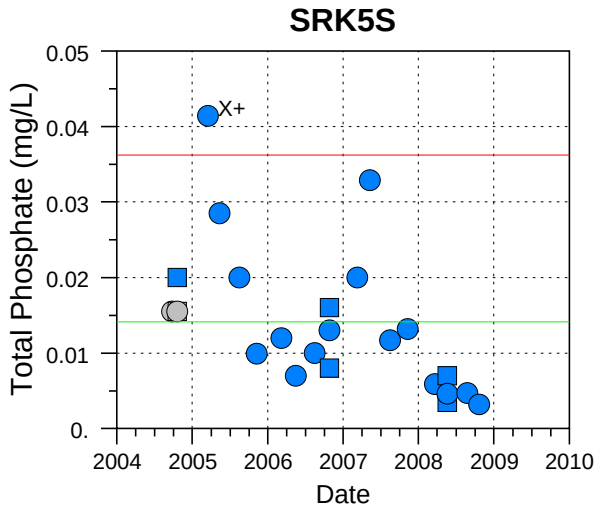
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca











Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
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- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

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THE pebble PARTNERSHIP

Appendix 9.2C-2
Control Plots Showing Outliers for Individual Monitoring Wells (2004-2008)
Total Concentrations

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

Table 9.2C-3
Count of Outliers per Parameter and Well, Dissolved Concentrations

Station ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silica as SiO2	Silver	Sodium	Tin	Vanadium	Zinc	Grand Total
KPP4	2			1		1	1				1				4	5						1					16
MW10	1					2	1			1		1			1	5		1						1			14
MW11D	1		1			1									1	5								1			10
MW11M	1					1	2				1					6											11
MW11S	1					1	1			1	1			4	3	5		1						1			19
MW11SS	1			2			1				1				2	1										1	9
MW12D				5		2	1			1	3					4		1									17
MW12S	1			1	1	1	1				3				2	2	1	1				1		1			16
MW13D	1		1		1	1	2				1	1	1	1	7	3	1		1				1		1		24
MW13S				1		1	3				1					2	1								1		10
MW14D	3	1						2		2	3	2				1	3	1	1			1			1	1	22
MW14S							2				3	4			1	2	1					1			3		17
MW1D	3		1			2	2				1				4	7		1	1								22
MW1M						2		2			2				4	5	1							3		3	22
MW1S	1					2		1			1	1		1	3	4								2			16
MW2D	3	1		1		2				2	7				2	7		2									27
MW3D					1	1		1							1	2					1	1					8
MW5D	2	4			1	2	1									5	1		1	2			2		2		23
MW5M	2	1				2					1					6			1	1					4		18
MW5S	2		1			2					1		1			5						1		2	1		16
MW6D	1			1		2	1								3	7	3		1								19
MW7D	1			1		1	1						1		1	1			2								9
MW7S	2					2	1								1	5			1			1					13
MW8D	2	1				1	1					1	1		1	4						1		2			15
MW8M	1	2	1			1	2						1		1	5	2							2			18
MW8S	3				1	1					1				4	6	2					1					19
MW9D	1					1					1					4											7
P0637D	1							1			1			1													4
P0637M									1	1	1				1			1	1			1					7
P0637S	1	1	1	1		1					1				1		1										8
P4S										2	1					1	1										5
PQ4				2	1								1			1						1					6
SRK2	1	2									1	1	1	1	3	6						1			1		18
SRK3	1	1			1								1	3		1						2					9
SRK5D						1																					1
SRK5M		1				2										5			1					2			11
SRK5S						2	1	1							1	1			2					2		1	11
Grand Total	**40**	**15**	**6**	**16**	**7**	**41**	**25**	**8**	**1**	**10**	**38**	**11**	**7**	**11**	**52**	**129**	**18**	**9**	**13**	**3**	**1**	**14**	**3**	**19**	**14**	**6**	**517**

Table 9.2C-4
Count of Outliers per Parameter and Well, Total Concentrations

Station ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Tin	Vanadium	Zinc	Fell Field	Spec Cond	pH (Field)	Thallium	Thiocyanate	Total Phosphate	Hardness	Alkalinity	Dissolved Oxygen	Sulfate	Total Dissolved Solids	Chloride	Ammonia	Fluoride	ORP (Field)	Total Suspended Solids	Nitrogen, Nitrate-Nitrite	Total
KPP4						1	1			1							1										2					1											1	**7**
MW10	3	1	1	1		2		1			1	1		1		1	5	3	1	1		1			1				1	1	1	1											1	**30**
MW11D						1	1				1					1	5										2					1											1	**13**
MW11M	1	1				1					1						6	1														1											1	**13**
MW11S	1			1		1	1			1	1	1	1			1	5	2	1											1		3			1	1								**23**
MW11SS	1			1		1	1				1		1	1		2	1			1		1	1																					**13**
MW12D	2	1		7		1					2					6	3		3		1					1									1		1					1	**30**
MW12S	3		1	2		1	2				6	6	7	1		2	2	2	2				1	1	1	2						1			2			1					**46**
MW13D	1	5	1	1	1	1	1	1	1		1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	4	1	1			1	1		1	1					1	**43**
MW13S						1								1			2	1							1					2		1											**9**
MW14D	3	2				1		2		7	7	3		4			1	4	1	1		2		1		1						1			2								**43**
MW14S	1			1		1	1				1		1			1			1								1			1		2		1									**13**
MW1D	3					2	1				6			1		1	9			1		1				1				3		5			1				2			1	**38**
MW1M	2			1		2		4			1		1	2	1	1	2	1		1					1	1		1	1			1										1	**25**
MW1S	1		1			2					1	1	1			1	5			2					1					2		1					1						**20**
MW2D	1		1	1		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			2		1	1		1			5			4	**40**
MW3D	1		1	1		1		1	2		1	1	1	1	1	1	2		1	1		1	1	1	1	1				1			1	1				1				**26**
MW5D	2	7				2		1									2	2			2	1	2	1	2				4				3								1	**32**
MW5M	1	1				2				1	2		1	1			6		2			1	2	2	3						1	2	1		1						1	2	**33**
MW5S	1	1	2			2				7			2				5		1					3	1			1							1				1	1		2	**31**
MW6D	1	1				2				1	1					3	2	2		1								1		1		1								1			**18**
MW7D	1	1		1		1		1			1		1	1		1	1	1		2															2	2							**17**
MW7S	5	2		2		2	1				3		2	1		4	2			1					1					2		2				1						2	**33**
MW8D		2		1		1	1		1				1	1		1	5					1		2						2												1	**20**
MW8M	1					1	1				1		1			1	6	2				1		1						2						1				1		1	**21**
MW8S						1	2	4								4	7	2						1						2		1				1				1			**26**
MW9D						1											1													2												2	**6**
P0637D														1			1				1											1			1				1		1			**7**
P0637M	1				1			1	1	2	2	1	1	1		3	1		1	1		1				1						1	1									1	**22**
P0637S		1				1	1	1									1	1									1					1				1						1	**10**
P4S	1		5			1				1	1		1				1															1		1			1						1	**15**
PQ4	1				1	1				1		1	1	2			1		1			1			1							1		1									1	**15**
SRK2		1														2	8					1										2				1							**15**
SRK3		2				1	2					1		1	1		1	1									1																1	**12**
SRK5D	1	1				1																																						**3**
SRK5M						2											1			1				2												1								**7**
SRK5S		2				2	1	1								1	1			2		1					1					1											1	**14**
Total	**40**	**32**	**13**	**21**	**3**	**46**	**19**	**19**	**6**	**23**	**43**	**18**	**26**	**23**	**5**	**40**	**106**	**27**	**17**	**18**	**6**	**16**	**9**	**18**	**15**	**10**	**10**	**7**	**7**	**25**	**2**	**34**	**5**	**8**	**13**	**10**	**4**	**1**	**10**	**4**	**1**	**1**	**28**	**789**

Table 9.2C-5

List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
KPP4	22-Mar-05	Aluminum	µg/L	10.2	0.0702	avg=4, P99=16	X+
KPP4	15-Mar-07	Aluminum	µg/L	21.5	0.62	avg=6.7, P99=40	X+
KPP4	22-Mar-05	Barium	µg/L	6.91	0.036	avg=5.4, P99=6.5	X+
KPP4	09-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.017, P99=0.047	X+
KPP4	07-Nov-05	Boron	µg/L	6.2	3.1	avg=2.7, P99=5.1	X+
KPP4	22-Mar-05	Cobalt	µg/L	0.202	0.0095	avg=0.05, P99=0.13	X+
KPP4	14-May-05	Manganese	µg/L	1.95	0.013	avg=0.7, P99=2.1	X+
KPP4	07-Nov-05	Manganese	µg/L	1.35	0.062	avg=0.7, P99=2.1	X+
KPP4	19-Aug-05	Manganese	µg/L	1.53	0.062	avg=0.7, P99=2.1	X+
KPP4	22-Mar-05	Manganese	µg/L	1.96	0.013	avg=0.7, P99=2.1	X+
KPP4	14-May-05	Mercury	µg/L	<0.063	0.063	avg=0.008, P99=0.04	X+
KPP4	22-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.008, P99=0.04	X+
KPP4	07-Nov-05	Mercury	µg/L	<0.08	0.08	avg=0.008, P99=0.04	X+
KPP4	07-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.008, P99=0.04	X+
KPP4	19-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.008, P99=0.04	X+
KPP4	19-Aug-06	Silver	µg/L	0.009	0.007	avg=0.0031, P99=0.0063	X+
MW10	21-Oct-04	Aluminum	µg/L	<25	7.8	avg=1.7, P99=8	X+
MW10	12-Mar-06	Bismuth	µg/L	0.0756	0.015	avg=0.051, P99=0.46	X+
MW10	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.051, P99=0.46	X+
MW10	20-Aug-05	Boron	µg/L	<10	3.1	High DL or MRL or MRL, avg=1.7, P99=3.8	X+
MW10	12-Mar-06	Chromium	µg/L	0.833	0.1	avg=0.3, P99=0.68	X+
MW10	20-Aug-05	Copper	µg/L	1.32	0.031	avg=0.48, P99=0.97	X+
MW10	21-Oct-04	Manganese	µg/L	<1	0.5	avg=0.14, P99=0.65, high ND value	X+
MW10	21-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.013, P99=0.072	X+
MW10	20-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.013, P99=0.072	X+
MW10	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.013, P99=0.072	X+
MW10	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.013, P99=0.072	X+
MW10	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.013, P99=0.072	X+
MW10	20-Aug-05	Nickel	µg/L	1.11	0.031	avg=0.42, P99=0.94	X+
MW10	21-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.16, P99=0.66, high ND value	X+
MW11D	21-Oct-04	Aluminum	µg/L	<25	7.8	avg=2, P99=8.5	X+
MW11D	21-May-06	Arsenic	µg/L	0.434	0.31	avg=0.32, P99=0.44	X+
MW11D	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.04, P99=0.4	X+
MW11D	22-Mar-06	Manganese	µg/L	0.804	0.025	avg=0.26, P99=0.7	X+
MW11D	21-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.0073, P99=0.037	X+
MW11D	10-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0073, P99=0.037	X+
MW11D	16-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0073, P99=0.037	X+
MW11D	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0073, P99=0.037	X+
MW11D	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.0073, P99=0.037	X+
MW11D	21-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.43, high ND value	X+
MW11M	21-Oct-04	Aluminum	µg/L	<25	7.8	avg=3.3, P99=20	X+
MW11M	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.04, P99=0.4	X+
MW11M	11-Nov-05	Boron	µg/L	4.5	3.1	avg=1.5, P99=3.4	X+
MW11M	11-Nov-05	Boron	µg/L	3.4	3.1	avg=1.5, P99=3.4	X+
MW11M	21-Mar-05	Cobalt	µg/L	0.226	0.0095	avg=0.031, P99=0.14	X+
MW11M	11-Nov-05	Mercury	µg/L	<0.08	0.08	avg=0.01, P99=0.045	X+
MW11M	16-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.01, P99=0.045	X+
MW11M	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.01, P99=0.045	X+
MW11M	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.01, P99=0.045	X+
MW11M	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.01, P99=0.045	X+
MW11M	21-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.01, P99=0.045	X+
MW11S	21-Oct-04	Aluminum	µg/L	<25	7.8	avg=3.3, P99=13	X+
MW11S	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.052, P99=0.47	X+
MW11S	16-Aug-05	Boron	µg/L	12	6.2	avg=2.1, P99=8.3	X+
MW11S	22-Mar-06	Chromium	µg/L	1.62	0.1	avg=0.59, P99=1.4	X+
MW11S	21-Oct-04	Cobalt	µg/L	<0.1	0.031	avg=0.027, P99=0.081, high ND value	X+
MW11S	21-Oct-04	Lead	µg/L	<0.1	0.1	avg=0.085, P99=0.42, high ND value	X+
MW11S	13-May-05	Lead	µg/L	<0.07	0.022	avg=0.085, P99=0.42, high ND value	X+
MW11S	21-Mar-05	Lead	µg/L	0.0673	0.022	avg=0.085, P99=0.42	X+

Table 9.2C-5

List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW11S	16-Aug-05	Lead	µg/L	0.1	0.062	avg=0.085, P99=0.42	X+
MW11S	21-Oct-04	Manganese	µg/L	2.17	0.5	avg=0.73, P99=2.3	X+
MW11S	21-Mar-05	Manganese	µg/L	1.53	0.013	avg=0.73, P99=2.3	X+
MW11S	22-Mar-06	Manganese	µg/L	2.31	0.025	avg=0.73, P99=2.3	X+
MW11S	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0096, P99=0.043	X+
MW11S	16-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0096, P99=0.043	X+
MW11S	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.0096, P99=0.043	X+
MW11S	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0096, P99=0.043	X+
MW11S	21-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.0096, P99=0.043	X+
MW11S	22-Mar-06	Nickel	µg/L	2.72	0.062	avg=0.82, P99=2.1	X+
MW11S	21-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.25, high ND value	X+
MW11SS	11-Nov-05	Aluminum	µg/L	6.04	0.62	avg=2.1, P99=6.1	X+
MW11SS	11-Nov-05	Barium	µg/L	3.62	0.062	avg=1.7, P99=4	X+
MW11SS	01-Nov-06	Barium	µg/L	2.94	0.025	avg=1.7, P99=4	X+
MW11SS	11-Nov-05	Boron	µg/L	<3.1	3.1	High DL or MRL, avg=1.3, P99=1.5	X+
MW11SS	11-Nov-05	Cobalt	µg/L	0.102	0.0031	avg=0.027, P99=0.098	X+
MW11SS	11-Nov-05	Manganese	µg/L	22.2	0.062	avg=4.6, P99=24	X+
MW11SS	01-Nov-06	Manganese	µg/L	11.8	0.025	avg=4.6, P99=24	X+
MW11SS	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0044, P99=0.029	X+
MW11SS	11-Nov-05	Zinc	µg/L	20.7	0.465	avg=5.3, P99=21	X+
MW12D	08-Nov-05	Barium	µg/L	4.94	0.062	avg=3, P99=8.5	X+
MW12D	19-Aug-05	Barium	µg/L	7.77	0.062	avg=3, P99=8.5	X+
MW12D	24-Mar-06	Barium	µg/L	3.68	0.025	avg=3, P99=8.5	X+
MW12D	19-May-06	Barium	µg/L	3.12	0.025	avg=3, P99=8.5	X+
MW12D	19-Aug-05	Barium	µg/L	7.57	0.062	avg=3, P99=8.5	X+
MW12D	24-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.017, P99=0.046	X+
MW12D	12-May-07	Bismuth	µg/L	<0.05	0.015	avg=0.017, P99=0.046	X+
MW12D	19-Aug-05	Boron	µg/L	11.3	3.1	avg=2.3, P99=7.8	X+
MW12D	19-Aug-05	Chromium	µg/L	2.18	0.062	avg=0.69, P99=2.1	X+
MW12D	19-Aug-05	Cobalt	µg/L	0.255	0.003	avg=0.12, P99=0.3	X+
MW12D	19-Aug-05	Cobalt	µg/L	0.317	0.0031	avg=0.12, P99=0.3	X+
MW12D	19-Aug-05	Cobalt	µg/L	0.273	0.0031	avg=0.12, P99=0.3	X+
MW12D	08-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0088, P99=0.049	X+
MW12D	19-Aug-05	Mercury	µg/L	0.062	0.062	Total = ND	X+
MW12D	19-Aug-05	Mercury	µg/L	<0.05	0.05	avg=0.0088, P99=0.049	X+
MW12D	19-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0088, P99=0.049	X+
MW12D	19-Aug-05	Nickel	µg/L	3.17	0.031	avg=1.4, P99=3.2	X+
MW12S	12-Mar-07	Aluminum	µg/L	6.43	1.24	avg=2.2, P99=5.6	X+
MW12S	24-Mar-06	Barium	µg/L	42.8	0.025	avg=35, P99=43	X+
MW12S	26-Mar-08	Beryllium	µg/L	<0.1	0.1	avg=0.029, P99=0.077	X+
MW12S	26-Mar-08	Bismuth	µg/L	<0.06	0.06	avg=0.018, P99=0.047	X+
MW12S	09-Nov-05	Boron	µg/L	13.8	3.1	avg=8.7, P99=13	X+
MW12S	24-Mar-06	Cobalt	µg/L	0.725	0.0062	avg=0.44, P99=1.3	X+
MW12S	19-Aug-05	Cobalt	µg/L	1.68	0.0031	avg=0.44, P99=1.3	X+
MW12S	09-Nov-05	Cobalt	µg/L	0.797	0.0031	avg=0.44, P99=1.3	X+
MW12S	09-Nov-05	Manganese	µg/L	382	0.062	avg=270, P99=430	X+
MW12S	19-Aug-05	Manganese	µg/L	415	0.062	avg=270, P99=430	X+
MW12S	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0044, P99=0.029	X+
MW12S	19-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0044, P99=0.029	X+
MW12S	19-Aug-05	Molybdenum	µg/L	12.3	0.0062	avg=9.4, P99=12	X+
MW12S	19-Aug-05	Nickel	µg/L	5.29	0.031	avg=2.7, P99=4.8	X+
MW12S	26-Mar-08	Silver	µg/L	<0.0248	0.0248	avg=0.0076, P99=0.019	X+
MW12S	26-Mar-08	Tin	µg/L	<0.4	0.4	avg=0.11, P99=0.31	X+
MW13D	22-Aug-05	Aluminum	µg/L	818	0.62	avg=48, P99=500	X+
MW13D	22-Aug-05	Arsenic	µg/L	0.619	0.25	avg=0.18, P99=0.44	X+
MW13D	22-Aug-05	Beryllium	µg/L	0.045	0.015	avg=0.023, P99=0.042	X+
MW13D	21-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.017, P99=0.046	X+
MW13D	12-Nov-05	Boron	µg/L	6.8	3.1	avg=2.4, P99=8.4	X+
MW13D	22-Aug-05	Boron	µg/L	11.3	3.1	avg=2.4, P99=8.4	X+

Table 9.2C-5

List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW13D	22-Aug-05	Cobalt	µg/L	0.146	0.0031	avg=0.034, P99=0.1	X+
MW13D	22-Aug-05	Copper	µg/L	0.613	0.031	avg=0.34, P99=0.58	X+
MW13D	22-Aug-05	Iron	µg/L	174	6.2	avg=21, P99=110	X+
MW13D	22-Aug-05	Lead	µg/L	0.515	0.031	avg=0.087, P99=0.38	X+
MW13D	12-Nov-05	Manganese	µg/L	3.64	0.062	avg=1.4, P99=4.1	X+
MW13D	12-Nov-05	Manganese	µg/L	3.29	0.01	avg=1.4, P99=4.1	X+
MW13D	21-Mar-06	Manganese	µg/L	1.51	0.01	avg=1.4, P99=4.1	X+
MW13D	12-Nov-05	Manganese	µg/L	3.45	0.062	avg=1.4, P99=4.1	X+
MW13D	21-Mar-06	Manganese	µg/L	1.66	0.025	avg=1.4, P99=4.1	X+
MW13D	22-Aug-05	Manganese	µg/L	2.93	0.062	avg=1.4, P99=4.1	X+
MW13D	21-Mar-06	Manganese	µg/L	1.79	0.025	avg=1.4, P99=4.1	X+
MW13D	12-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.012, P99=0.071	X+
MW13D	22-Aug-05	Mercury	µg/L	0.1	0.062	avg=0.012, P99=0.071	X+
MW13D	12-Nov-05	Mercury	µg/L	<0.08	0.08	avg=0.012, P99=0.071	X+
MW13D	22-Aug-05	Molybdenum	µg/L	2.79	0.0062	avg=1.6, P99=2.6	X+
MW13D	22-Aug-05	Potassium	µg/L	471	15.5	avg=250, P99=400	X+
MW13D	22-Aug-05	Sodium	µg/L	15100	775	avg=4000, P99=12000	X+
MW13D	22-Aug-05	Vanadium	µg/L	3.17	0.2	avg=0.61, P99=2.2	X+
MW13S	22-Aug-05	Barium	µg/L	2.16	0.062	avg=1.6, P99=2.1	X+
MW13S	21-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.018, P99=0.048	X+
MW13S	22-Aug-05	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.6, P99=4.3	X+
MW13S	21-Mar-06	Boron	µg/L	<5	1.5	High DL or MRL, avg=1.6, P99=4.3	X+
MW13S	11-Nov-05	Boron	µg/L	3.5	3.1	avg=1.6, P99=4.3	X+
MW13S	22-Aug-05	Cobalt	µg/L	0.0468	0.0031	avg=0.025, P99=0.044	X+
MW13S	22-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0045, P99=0.029	X+
MW13S	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0045, P99=0.029	X+
MW13S	21-Mar-06	Molybdenum	µg/L	0.695	0.015	avg=0.35, P99=0.62	X+
MW13S	31-Oct-06	Vanadium	µg/L	1.01	0.5	avg=0.36, P99=0.81	X+
MW14D	21-May-06	Aluminum	µg/L	4.94	0.62	avg=4.5, P99=8.1	X+
MW14D	10-Nov-05	Aluminum	µg/L	6.06	0.62	avg=4.5, P99=8.1	X+
MW14D	23-Mar-06	Aluminum	µg/L	5.9	0.62	avg=4.5, P99=8.1	X+
MW14D	10-Nov-05	Antimony	µg/L	0.724	0.0031	avg=0.26, P99=0.71	X+
MW14D	23-Aug-06	Cadmium	µg/L	<0.037	0.037	avg=0.02, P99=0.04	X+
MW14D	03-Nov-06	Cadmium	µg/L	<0.037	0.037	avg=0.02, P99=0.04	X+
MW14D	21-May-06	Chromium	µg/L	0.826	0.1	avg=0.38, P99=1.2	X+
MW14D	23-Mar-06	Chromium	µg/L	1.28	0.1	avg=0.38, P99=1.2	X+
MW14D	23-Mar-06	Cobalt	µg/L	0.525	0.0062	avg=0.22, P99=0.5	X+
MW14D	21-May-06	Cobalt	µg/L	0.315	0.0062	avg=0.22, P99=0.5	X+
MW14D	10-Nov-05	Cobalt	µg/L	0.364	0.0031	avg=0.22, P99=0.5	X+
MW14D	23-Mar-06	Copper	µg/L	1.45	0.031	avg=0.57, P99=1.3	X+
MW14D	10-Nov-05	Copper	µg/L	0.955	0.031	avg=0.57, P99=1.3	X+
MW14D	10-Nov-05	Mercury	µg/L	<0.062	0.062	High DL or MRL, avg=0.0032, P99=0.023	X+
MW14D	23-Aug-06	Molybdenum	µg/L	4.03	0.029	avg=3.3, P99=7.6	X+
MW14D	21-May-06	Molybdenum	µg/L	3.93	0.015	avg=3.3, P99=7.6	X+
MW14D	10-Nov-05	Molybdenum	µg/L	4.76	0.0062	avg=3.3, P99=7.6	X+
MW14D	10-Nov-05	Nickel	µg/L	4.53	0.031	avg=2.7, P99=5.1	X+
MW14D	10-Nov-05	Potassium	µg/L	2920	15.5	avg=1000, P99=2600	X+
MW14D	03-Nov-06	Silver	µg/L	0.0066	0.0062	avg=0.0062, P99=0.0065	X+
MW14D	23-Aug-06	Vanadium	µg/L	0.793	0.5	avg=0.39, P99=0.72	X+
MW14D	10-Nov-05	Zinc	µg/L	4.15	0.465	avg=1.7, P99=3.9	X+
MW14S	25-Aug-08	Boron	µg/L	<5	0.2	avg=2.5, P99=4.5	X+
MW14S	10-Nov-05	Boron	µg/L	4.1	3.1	avg=1.4, P99=3.1	X+
MW14S	10-Nov-05	Cobalt	µg/L	0.092	0.0031	avg=0.04, P99=0.1	X+
MW14S	10-Nov-05	Cobalt	µg/L	0.0982	0.0031	avg=0.04, P99=0.1	X+
MW14S	10-Nov-05	Cobalt	µg/L	0.108	0.003	avg=0.04, P99=0.1	X+
MW14S	23-Mar-06	Copper	µg/L	15.9	0.031	avg=2.8, P99=12	X+
MW14S	10-Nov-05	Copper	µg/L	7.46	0.01	avg=2.8, P99=12	X+
MW14S	10-Nov-05	Copper	µg/L	8.7	0.031	avg=2.8, P99=12	X+
MW14S	10-Nov-05	Copper	µg/L	9.22	0.031	avg=2.8, P99=12	X+

Table 9.2C-5

List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW14S	21-May-06	Manganese	µg/L	14.3	0.025	avg=1.2, P99=8.3	X+
MW14S	10-Nov-05	Mercury	µg/L	<0.08	0.08	High DL or MRL, avg=0.0053, P99=0.033	X+
MW14S	10-Nov-05	Mercury	µg/L	<0.062	0.062	High DL or MRL, avg=0.0053, P99=0.033	X+
MW14S	25-Aug-08	Molybdenum	µg/L	<0.4	0.02	avg=0.31, P99=0.39	X+
MW14S	25-Aug-08	Silver	µg/L	<0.02	0.003	avg=0.0034, P99=0.0072	X+
MW14S	02-Nov-06	Vanadium	µg/L	0.766	0.5	avg=0.35, P99=0.67	X+
MW14S	23-Aug-06	Vanadium	µg/L	0.645	0.5	avg=0.35, P99=0.67	X+
MW14S	23-Aug-06	Vanadium	µg/L	0.582	0.5	avg=0.35, P99=0.67	X+
MW1D	22-Oct-04	Aluminum	µg/L	<25	7.8	avg=2.6, P99=12	X+
MW1D	23-Sep-04	Aluminum	µg/L	15.4	2	avg=2.6, P99=12	X+
MW1D	23-Sep-04	Aluminum	µg/L	<25	7.8	avg=2.6, P99=12	X+
MW1D	17-Aug-05	Arsenic	µg/L	<0.5	0.1	avg=0.28, P99=0.43	X+
MW1D	23-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.075, P99=0.56	X+
MW1D	22-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.075, P99=0.56	X+
MW1D	17-Aug-05	Boron	µg/L	3.2	3.1	avg=1.6, P99=4.1	X+
MW1D	23-Sep-04	Boron	µg/L	5.4	3.1	avg=1.6, P99=4.1	X+
MW1D	23-Sep-04	Cobalt	µg/L	0.14	0.031	avg=0.035, P99=0.17	X+
MW1D	22-Oct-04	Manganese	µg/L	1.2	0.5	avg=0.28, P99=0.95	X+
MW1D	23-Sep-04	Manganese	µg/L	1.15	0.5	avg=0.28, P99=0.95	X+
MW1D	23-Sep-04	Manganese	µg/L	0.806	0.5	avg=0.28, P99=0.95	X+
MW1D	23-Sep-04	Manganese	µg/L	0.92	0.02	avg=0.28, P99=0.95	X+
MW1D	17-Aug-05	Mercury	µg/L	<0.05	0.05	avg=0.0082, P99=0.041	X+
MW1D	23-Sep-04	Mercury	µg/L	<0.1	0.1	High DL or MRL, avg=0.0082, P99=0.041	X+
MW1D	22-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.0082, P99=0.041	X+
MW1D	17-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0082, P99=0.041	X+
MW1D	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0082, P99=0.041	X+
MW1D	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.0082, P99=0.041	X+
MW1D	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0082, P99=0.041	X+
MW1D	17-Aug-05	Nickel	µg/L	1.05	0.031	avg=0.45, P99=0.88	X+
MW1D	17-Aug-05	Potassium	µg/L	<2000	40	avg=280, P99=970	X+
MW1M	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.066, P99=0.53	X+
MW1M	29-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.066, P99=0.53	X+
MW1M	24-Sep-04	Cadmium	µg/L	0.0434	0.031	avg=0.021, P99=0.046	X+
MW1M	29-Oct-04	Cadmium	µg/L	0.0492	0.031	avg=0.021, P99=0.046	X+
MW1M	21-Mar-05	Cobalt	µg/L	0.11	0.0095	avg=0.037, P99=0.1	X+
MW1M	29-Oct-04	Cobalt	µg/L	0.105	0.031	avg=0.037, P99=0.1	X+
MW1M	13-May-05	Manganese	µg/L	1.21	0.013	avg=0.65, P99=1.5	X+
MW1M	21-Mar-05	Manganese	µg/L	1.84	0.013	avg=0.65, P99=1.5	X+
MW1M	29-Oct-04	Manganese	µg/L	1.34	0.5	avg=0.65, P99=1.5	X+
MW1M	24-Sep-04	Manganese	µg/L	1.13	0.5	avg=0.65, P99=1.5	X+
MW1M	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0095, P99=0.061	X+
MW1M	29-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.0095, P99=0.061	X+
MW1M	17-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0095, P99=0.061	X+
MW1M	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0095, P99=0.061	X+
MW1M	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.0095, P99=0.061	X+
MW1M	21-Mar-05	Molybdenum	µg/L	0.457	0.0338	avg=0.33, P99=0.44	X+
MW1M	21-Mar-05	Tin	µg/L	0.318	0.0604	avg=0.13, P99=0.32	X+
MW1M	29-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.13, P99=0.32, high ND value	X+
MW1M	24-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.13, P99=0.32, high ND value	X+
MW1M	21-Mar-05	Zinc	µg/L	37.9	0.469	avg=15, P99=41	X+
MW1M	29-Oct-04	Zinc	µg/L	54.1	0.47	avg=15, P99=41	X+
MW1M	24-Sep-04	Zinc	µg/L	1.58	0.47	avg=15, P99=41	X+
MW1S	13-May-05	Aluminum	µg/L	54.1	0.0702	avg=13, P99=42	X+
MW1S	25-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.074, P99=0.57	X+
MW1S	29-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.074, P99=0.57	X+
MW1S	29-Oct-04	Cadmium	µg/L	0.136	0.031	avg=0.024, P99=0.083	X+
MW1S	29-Oct-04	Cobalt	µg/L	0.167	0.031	avg=0.043, P99=0.16	X+
MW1S	13-May-05	Copper	µg/L	0.586	0.0209	avg=0.33, P99=0.83	X+
MW1S	11-Nov-05	Lead	µg/L	0.183	0.031	avg=0.064, P99=0.18	X+

Table 9.2C-5

List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW1S	25-Sep-04	Manganese	µg/L	10.6	0.5	avg=5.1, P99=12	X+
MW1S	13-May-05	Manganese	µg/L	12.4	0.013	avg=5.1, P99=12	X+
MW1S	29-Oct-04	Manganese	µg/L	8.95	0.5	avg=5.1, P99=12	X+
MW1S	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0094, P99=0.063	X+
MW1S	29-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.0094, P99=0.063	X+
MW1S	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0094, P99=0.063	X+
MW1S	17-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0094, P99=0.063	X+
MW1S	29-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29, high ND value	X+
MW1S	25-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29, high ND value	X+
MW2D	07-Sep-04	Aluminum	µg/L	<25	7.8	avg=8.9, P99=24, high ND value	X+
MW2D	30-Oct-04	Aluminum	µg/L	<25	7.8	avg=8.4, P99=23	X+
MW2D	07-Sep-04	Aluminum	µg/L	<25	7.8	avg=8.4, P99=23	X+
MW2D	07-Sep-04	Antimony	µg/L	0.203	0.077	avg=0.13, P99=0.18	X+
MW2D	07-Sep-04	Barium	µg/L	1.86	0.094	avg=1.5, P99=1.8	X+
MW2D	30-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.089, P99=0.63	X+
MW2D	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.089, P99=0.63	X+
MW2D	07-Sep-04	Chromium	µg/L	4.13	0.1	avg=1.8, P99=4.5	X+
MW2D	07-Sep-04	Chromium	µg/L	4.39	0.1	avg=1.8, P99=4.5	X+
MW2D	22-Mar-05	Cobalt	µg/L	0.075	0.0095	avg=0.038, P99=0.11	X+
MW2D	30-Oct-04	Cobalt	µg/L	<0.1	0.031	avg=0.038, P99=0.11, high ND value	X+
MW2D	22-Mar-05	Cobalt	µg/L	0.0892	0.0095	avg=0.038, P99=0.11	X+
MW2D	07-Sep-04	Cobalt	µg/L	0.085	0.004	avg=0.038, P99=0.11	X+
MW2D	07-Sep-04	Cobalt	µg/L	<0.1	0.031	avg=0.038, P99=0.11	X+
MW2D	22-Mar-05	Cobalt	µg/L	0.07	0.004	avg=0.038, P99=0.11	X+
MW2D	07-Sep-04	Cobalt	µg/L	<0.1	0.031	avg=0.033, P99=0.098, high ND value	X+
MW2D	07-Sep-04	Manganese	µg/L	0.79	0.02	avg=0.29, P99=0.9	X+
MW2D	07-Sep-04	Manganese	µg/L	1.15	0.5	avg=0.29, P99=0.9	X+
MW2D	17-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0092, P99=0.04	X+
MW2D	16-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0092, P99=0.04	X+
MW2D	22-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.0092, P99=0.04	X+
MW2D	12-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0092, P99=0.04	X+
MW2D	07-Sep-04	Mercury	µg/L	<0.04	0.04	avg=0.0092, P99=0.04	X+
MW2D	30-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.0092, P99=0.04	X+
MW2D	22-Mar-05	Mercury	µg/L	<0.04	0.04		X+
MW2D	07-Sep-04	Nickel	µg/L	2.14	0.062	avg=0.91, P99=2.1	X+
MW2D	07-Sep-04	Nickel	µg/L	2.2	0.062	avg=0.91, P99=2.1	X+
MW3D	24-Mar-06	Beryllium	µg/L	<0.12	0.12	avg=0.029, P99=0.092, high ND value	X+
MW3D	24-Mar-06	Bismuth	µg/L	<0.075	0.075	avg=0.018, P99=0.057	X+
MW3D	24-Mar-06	Cadmium	µg/L	<0.125	0.125	avg=0.025, P99=0.094, high ND value	X+
MW3D	16-May-05	Manganese	µg/L	10.8	0.013	avg=1.6, P99=8.5	X+
MW3D	16-May-05	Mercury	µg/L	<0.063	0.063	avg=0.011, P99=0.084	X+
MW3D	22-Aug-05	Mercury	µg/L	0.116	0.062	avg=0.011, P99=0.084	X+
MW3D	24-Mar-06	Silica as SiO2	µg/L	42200	155	avg=11000, P99=32000	X+
MW3D	24-Mar-06	Silver	µg/L	<0.031	0.031	avg=0.0077, P99=0.023, high ND value	X+
MW5D	19-Oct-04	Aluminum	µg/L	<25	7.8	avg=4, P99=17	X+
MW5D	24-Sep-04	Aluminum	µg/L	29.2	7.8	avg=4, P99=17	X+
MW5D	11-May-05	Antimony	µg/L	0.334	0.0081	avg=0.16, P99=0.68	X+
MW5D	18-Mar-05	Antimony	µg/L	0.395	0.0081	avg=0.16, P99=0.68	X+
MW5D	24-Sep-04	Antimony	µg/L	0.851	0.077	avg=0.16, P99=0.68	X+
MW5D	19-Oct-04	Antimony	µg/L	0.769	0.077	avg=0.16, P99=0.68	X+
MW5D	15-Mar-07	Beryllium	µg/L	<0.05	0.05	avg=0.022, P99=0.044	X+
MW5D	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.069, P99=0.56	X+
MW5D	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.069, P99=0.56	X+
MW5D	09-Nov-05	Boron	µg/L	10.5	3.1	avg=5, P99=8.7	X+
MW5D	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.0075, P99=0.037	X+
MW5D	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0075, P99=0.037	X+
MW5D	18-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0075, P99=0.037	X+
MW5D	11-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0075, P99=0.037	X+
MW5D	18-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.0075, P99=0.037	X+

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List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW5D	24-Sep-04	Molybdenum	µg/L	7.61	0.31	avg=3.1, P99=6.1	X+
MW5D	18-May-06	Potassium	µg/L	2720	15	avg=2200, P99=2600	X+
MW5D	24-Sep-04	Selenium	µg/L	1.18	0.31	avg=0.35, P99=0.86	X+
MW5D	19-Oct-04	Selenium	µg/L	0.757	0.31	avg=0.35, P99=0.86	X+
MW5D	19-Oct-04	Sodium	µg/L	20800	1240	avg=13000, P99=24000	X+
MW5D	24-Sep-04	Sodium	µg/L	26400	1240	avg=13000, P99=24000	X+
MW5D	19-Oct-04	Vanadium	µg/L	2.53	0.25	avg=0.7, P99=3.5	X+
MW5D	24-Sep-04	Vanadium	µg/L	5.96	0.25	avg=0.7, P99=3.5	X+
MW5M	19-Oct-04	Aluminum	µg/L	<25	7.8	avg=5.2, P99=21	X+
MW5M	07-Sep-04	Aluminum	µg/L	<25	7.8	avg=5.2, P99=21	X+
MW5M	07-Sep-04	Antimony	µg/L	0.0832	0.077	avg=0.027, P99=0.062	X+
MW5M	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.082, P99=0.61	X+
MW5M	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.082, P99=0.61	X+
MW5M	19-Oct-04	Cobalt	µg/L	0.23	0.01	avg=0.082, P99=0.17	X+
MW5M	19-Oct-04	Mercury	µg/L	<0.04	0.04	avg=0.0077, P99=0.037	X+
MW5M	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.0077, P99=0.037	X+
MW5M	18-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0077, P99=0.037	X+
MW5M	23-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.0077, P99=0.037	X+
MW5M	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0077, P99=0.037	X+
MW5M	11-May-05	Mercury	µg/L	<0.063	0.063	avg=0.0077, P99=0.037	X+
MW5M	19-Oct-04	Potassium	µg/L	<2000	30	avg=1500, P99=1800	X+
MW5M	19-Oct-04	Selenium	µg/L	0.5	0.2	avg=0.16, P99=0.35	X+
MW5M	19-Oct-04	Vanadium	µg/L	1.64	0.02	avg=0.57, P99=1.5	X+
MW5M	07-Sep-04	Vanadium	µg/L	1.61	0.25	avg=0.57, P99=1.5	X+
MW5M	19-Oct-04	Vanadium	µg/L	1.38	0.25	avg=0.57, P99=1.5	X+
MW5M	19-Oct-04	Vanadium	µg/L	1.41	0.25	avg=0.57, P99=1.5	X+
MW5S	07-Sep-04	Aluminum	µg/L	<25	7.8	avg=3.2, P99=11	X+
MW5S	19-Oct-04	Aluminum	µg/L	<25	7.8	avg=3.2, P99=11	X+
MW5S	07-Sep-04	Arsenic	µg/L	4.19	0.25	avg=1.2, P99=3.4	X+
MW5S	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.068, P99=0.55	X+
MW5S	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.068, P99=0.55	X+
MW5S	07-Sep-04	Cobalt	µg/L	0.692	0.031	avg=0.17, P99=0.46	X+
MW5S	07-Sep-04	Iron	µg/L	1040	6.2	avg=170, P99=700	X+
MW5S	11-May-05	Mercury	µg/L	<0.063	0.063	avg=0.009, P99=0.036	X+
MW5S	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.009, P99=0.036	X+
MW5S	18-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.009, P99=0.036	X+
MW5S	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.009, P99=0.036	X+
MW5S	18-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.009, P99=0.036	X+
MW5S	09-Nov-05	Silver	µg/L	0.0092	0.0062	avg=0.0033, P99=0.0063	X+
MW5S	07-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.27, high ND value	X+
MW5S	19-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.27, high ND value	X+
MW5S	18-Aug-05	Vanadium	µg/L	0.625	0.2	avg=0.33, P99=0.54	X+
MW6D	07-Sep-04	Aluminum	µg/L	<25	7.8	avg=2.3, P99=8	X+
MW6D	20-Mar-05	Barium	µg/L	2.67	0.036	avg=2.1, P99=2.5	X+
MW6D	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.1, P99=0.68	X+
MW6D	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.1, P99=0.68	X+
MW6D	20-Aug-05	Boron	µg/L	<10	3.1	avg=2.8, P99=6.6	X+
MW6D	21-Oct-04	Manganese	µg/L	<0.5	0.5	avg=0.18, P99=0.74, high ND value	X+
MW6D	07-Sep-04	Manganese	µg/L	<1	0.5	avg=0.17, P99=0.68, high ND value	X+
MW6D	21-Oct-04	Manganese	µg/L	<0.5	0.5	avg=0.17, P99=0.68	X+
MW6D	21-Oct-04	Mercury	µg/L	<0.04	0.04	avg=0.014, P99=0.074	X+
MW6D	20-Aug-05	Mercury	µg/L	0.07	0.062	avg=0.014, P99=0.074	X+
MW6D	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.014, P99=0.074	X+
MW6D	20-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.014, P99=0.074	X+
MW6D	21-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.014, P99=0.074	X+
MW6D	21-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.074	X+
MW6D	05-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.025, P99=0.13, high ND value	X+
MW6D	21-Oct-04	Molybdenum	µg/L	0.28	0.02	avg=0.19, P99=0.35	X+
MW6D	20-Mar-05	Molybdenum	µg/L	0.286	0.0338	avg=0.19, P99=0.35	X+

Table 9.2C-5

List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW6D	12-May-05	Molybdenum	µg/L	0.256	0.0338	avg=0.19, P99=0.35	X+
MW6D	21-Oct-04	Potassium	µg/L	<2000	30	avg=420, P99=1200	X+
MW7D	06-Sep-04	Aluminum	µg/L	37.3	7.8	avg=3.7, P99=20	X+
MW7D	06-Sep-04	Barium	µg/L	2.45	0.094	avg=0.66, P99=1.6	X+
MW7D	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.038, P99=0.37	X+
MW7D	21-Aug-05	Boron	µg/L	<10	3.1	avg=2.7, P99=6.6	X+
MW7D	06-Sep-04	Iron	µg/L	37.8	6.2	avg=9.1, P99=27	X+
MW7D	06-Sep-04	Manganese	µg/L	6.05	0.5	avg=0.49, P99=3.1	X+
MW7D	20-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.016, P99=0.076	X+
MW7D	21-Aug-05	Potassium	µg/L	<2000	40	avg=500, P99=1500	X+
MW7D	30-Oct-06	Potassium	µg/L	<2000	50	avg=500, P99=1500	X+
MW7S	24-Sep-04	Aluminum	µg/L	<25	7.8	avg=2.9, P99=13	X+
MW7S	20-Oct-04	Aluminum	µg/L	<25	7.8	avg=2.9, P99=13	X+
MW7S	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.086, P99=0.63	X+
MW7S	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.086, P99=0.63	X+
MW7S	21-Aug-05	Boron	µg/L	<10	3.1	avg=2.8, P99=7.2	X+
MW7S	24-Sep-04	Manganese	µg/L	1.69	0.5	avg=0.45, P99=1.2	X+
MW7S	17-Mar-05	Mercury	µg/L	<0.2	0.04	High DL or MRL, avg=0.024, P99=0.11	X+
MW7S	15-May-05	Mercury	µg/L	<0.063	0.063	avg=0.042, P99=0.19	X+
MW7S	20-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.024, P99=0.11	X+
MW7S	21-Aug-05	Mercury	µg/L	0.09	0.062	avg=0.024, P99=0.11	X+
MW7S	12-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.042, P99=0.19	X+
MW7S	30-Oct-06	Potassium	µg/L	<2000	50	avg=420, P99=1300	X+
MW7S	21-Aug-06	Silver	µg/L	0.01	0.0062	avg=0.0033, P99=0.0076	X+
MW8D	19-Oct-04	Aluminum	µg/L	<25	7.8	avg=3.2, P99=12	X+
MW8D	06-Sep-04	Aluminum	µg/L	<25	7.8	avg=3.2, P99=12	X+
MW8D	06-Sep-04	Antimony	µg/L	0.116	0.077	avg=0.045, P99=0.092	X+
MW8D	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.041, P99=0.4	X+
MW8D	20-Aug-05	Boron	µg/L	10.2	3.1	avg=3, P99=6.9	X+
MW8D	06-Sep-04	Copper	µg/L	0.448	0.062	avg=0.21, P99=0.5	X+
MW8D	06-Sep-04	Iron	µg/L	81.3	6.2	avg=22, P99=68	X+
MW8D	06-Sep-04	Manganese	µg/L	1.47	0.5	avg=0.26, P99=0.98	X+
MW8D	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.075	X+
MW8D	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.014, P99=0.075	X+
MW8D	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.075	X+
MW8D	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.075	X+
MW8D	06-Nov-05	Silver	µg/L	0.0086	0.0062	avg=0.0031, P99=0.0062	X+
MW8D	19-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.27, high ND value	X+
MW8D	06-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.27, high ND value	X+
MW8M	19-Oct-04	Aluminum	µg/L	<25	7.8	avg=2.8, P99=14	X+
MW8M	06-Sep-04	Antimony	µg/L	<0.077	0.077	avg=0.023, P99=0.071, high ND value	X+
MW8M	19-Oct-04	Antimony	µg/L	<0.077	0.077	avg=0.023, P99=0.071, high ND value	X+
MW8M	20-Aug-05	Arsenic	µg/L	<0.5	0.25	avg=0.28, P99=0.5	X+
MW8M	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.079, P99=0.8, high ND value	X+
MW8M	06-Sep-04	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.7, P99=4.2	X+
MW8M	20-Aug-05	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.7, P99=4.2	X+
MW8M	06-Sep-04	Iron	µg/L	46.5	6.2	avg=15, P99=43	X+
MW8M	06-Sep-04	Manganese	µg/L	1.57	0.5	avg=0.26, P99=1.1	X+
MW8M	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.078	X+
MW8M	15-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.016, P99=0.078	X+
MW8M	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.078	X+
MW8M	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.016, P99=0.078	X+
MW8M	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.078	X+
MW8M	06-Sep-04	Molybdenum	µg/L	<0.31	0.31	avg=0.1, P99=0.27, high ND value	X+
MW8M	19-Oct-04	Molybdenum	µg/L	<0.31	0.31	avg=0.1, P99=0.27, high ND value	X+
MW8M	19-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.15, P99=0.63, high ND value	X+
MW8M	06-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.15, P99=0.63, high ND value	X+
MW8S	06-Sep-04	Aluminum	µg/L	<25	7.8	avg=3.4, P99=14	X+
MW8S	06-Sep-04	Aluminum	µg/L	<7.8	7.8	avg=5, P99=21	X+

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List of Outliers and Documented Elevated Values, Dissolved Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW8S	19-Oct-04	Aluminum	µg/L	<25	7.8	avg=3.4, P99=14	X+
MW8S	23-Mar-08	Beryllium	µg/L	<0.05	0.025	avg=0.019, P99=0.044	X+
MW8S	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.038, P99=0.39	X+
MW8S	06-Sep-04	Cobalt	µg/L	0.111	0.031	avg=0.027, P99=0.094	X+
MW8S	12-May-05	Manganese	µg/L	5.5	0.01	avg=1.3, P99=5.6	X+
MW8S	19-Oct-04	Manganese	µg/L	3.68	0.5	avg=1.3, P99=5.6	X+
MW8S	12-May-05	Manganese	µg/L	6.15	0.013	avg=1.3, P99=5.6	X+
MW8S	12-May-05	Manganese	µg/L	5.81	0.013	avg=1.3, P99=5.6	X+
MW8S	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.019, P99=0.085	X+
MW8S	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.019, P99=0.085	X+
MW8S	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.019, P99=0.085	X+
MW8S	15-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.019, P99=0.085, high ND value	X+
MW8S	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.019, P99=0.085, high ND value	X+
MW8S	12-May-05	Mercury	µg/L	<0.05	0.05	avg=0.019, P99=0.085	X+
MW8S	19-Oct-04	Molybdenum	µg/L	<0.31	0.31	avg=0.081, P99=0.29, high ND value	X+
MW8S	06-Sep-04	Molybdenum	µg/L	<0.31	0.31	avg=0.081, P99=0.29	X+
MW8S	12-May-05	Silver	µg/L	0.00787	0.0029	avg=0.003, P99=0.0058	X+
MW9D	20-Oct-04	Aluminum	µg/L	<25	7.8	avg=3.3, P99=12	X+
MW9D	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.099, P99=0.71	X+
MW9D	17-Mar-05	Cobalt	µg/L	0.171	0.0095	avg=0.11, P99=0.6	X+
MW9D	20-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.035, P99=0.12, high ND value	X+
MW9D	15-May-05	Mercury	µg/L	<0.063	0.063	avg=0.035, P99=0.12, high ND value	X+
MW9D	17-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.035, P99=0.12, high ND value	X+
MW9D	21-Aug-05	Mercury	µg/L	0.088	0.062	avg=0.035, P99=0.12	X+
P0637D	24-May-08	Aluminum	µg/L	4.12	0.62	avg=1.4, P99=3.5	X+
P0637D	04-Nov-06	Cadmium	µg/L	<0.037	0.037	avg=0.016, P99=0.029, high ND value	X+
P0637D	04-Nov-06	Cobalt	µg/L	0.0622	0.013	avg=0.041, P99=0.081	X+
P0637D	04-Nov-06	Lead	µg/L	1.22	0.031	avg=0.1, P99=0.74	X+
P0637M	19-Oct-08	Calcium	µg/L	15200	15	avg=11000, P99=13000	X+
P0637M	19-Oct-08	Chromium	µg/L	0.752	0.1	avg=0.27, P99=0.68	X+
P0637M	03-Nov-06	Cobalt	µg/L	0.158	0.013	avg=0.04, P99=0.11	X+
P0637M	03-Nov-06	Manganese	µg/L	6.25	0.025	avg=2.5, P99=5.9	X+
P0637M	19-Oct-08	Nickel	µg/L	1.66	0.062	avg=0.71, P99=1.6	X+
P0637M	19-Oct-08	Potassium	µg/L	493	15	avg=200, P99=370	X+
P0637M	19-Oct-08	Silver	µg/L	<0.009	0.009	avg=0.0063, P99=0.0078	X+
P0637S	25-May-08	Aluminum	µg/L	5.05	0.62	avg=2, P99=6.6	X+
P0637S	19-Oct-08	Antimony	µg/L	0.156	0.015	avg=0.038, P99=0.11	X+
P0637S	24-Mar-08	Arsenic	µg/L	0.16	0.07	avg=0.16, P99=0.16	X+
P0637S	19-Oct-08	Barium	µg/L	12	0.025	avg=5, P99=9	X+
P0637S	24-Mar-08	Bismuth	µg/L	<0.1	0.1	High DL or MRL, avg=0.011, P99=0.035	X+
P0637S	03-Nov-06	Cobalt	µg/L	0.11	0.013	avg=0.042, P99=0.093	X+
P0637S	19-Oct-08	Manganese	µg/L	2.42	0.015	avg=0.68, P99=2.2	X+
P0637S	19-Oct-08	Molybdenum	µg/L	1.14	0.015	avg=0.19, P99=0.73	X+
P4S	09-Mar-06	Chromium	µg/L	1.52	0.1	avg=0.59, P99=1.3	X+
P4S	08-Nov-05	Chromium	µg/L	1.03	0.062	avg=0.59, P99=1.3	X+
P4S	08-Nov-05	Cobalt	µg/L	0.215	0.0031	avg=0.053, P99=0.16	X+
P4S	08-Nov-05	Mercury	µg/L	<0.062	0.062	High DL or MRL, avg=0.0025, P99=0.02	X+
P4S	08-Nov-05	Molybdenum	µg/L	0.416	0.0062	avg=0.21, P99=0.39	X+
PQ4	09-Nov-05	Barium	µg/L	6.17	0.062	avg=2.8, P99=5.5	X+
PQ4	12-May-07	Barium	µg/L	5.15	0.025	avg=2.8, P99=5.5	X+
PQ4	09-Nov-05	Beryllium	µg/L	0.061	0.015	avg=0.04, P99=0.064	X+
PQ4	09-Nov-05	Iron	µg/L	1370	6.2	avg=670, P99=1300	X+
PQ4	09-Nov-05	Mercury	µg/L	<0.062	0.062	High DL or MRL, avg=0.0026, P99=0.02	X+
PQ4	28-Oct-06	Silver	µg/L	0.0146	0.0062	avg=0.0071, P99=0.013	X+
SRK2	23-Mar-05	Aluminum	µg/L	534	0.0702	avg=29, P99=290	X+
SRK2	20-Oct-08	Antimony	µg/L	<0.05	0.015	avg=0.028, P99=0.068, high ND value	X+
SRK2	19-Aug-05	Antimony	µg/L	0.0772	0.0031	avg=0.028, P99=0.068	X+
SRK2	23-Mar-05	Cobalt	µg/L	0.495	0.0095	avg=0.22, P99=0.38	X+
SRK2	23-Mar-05	Copper	µg/L	0.524	0.0209	avg=0.25, P99=0.58	X+

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StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SRK2	23-Mar-05	Iron	µg/L	600	2.65	avg=95, P99=370	X+
SRK2	23-Mar-05	Lead	µg/L	0.253	0.022	avg=0.058, P99=0.2	X+
SRK2	23-Mar-05	Manganese	µg/L	93.5	0.0652	avg=78, P99=92	X+
SRK2	23-Mar-05	Manganese	µg/L	84.7	0.013	avg=78, P99=92	X+
SRK2	23-Mar-05	Manganese	µg/L	91.7	0.02	avg=78, P99=92	X+
SRK2	23-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.021, P99=0.087	X+
SRK2	15-May-05	Mercury	µg/L	<0.05	0.05	avg=0.021, P99=0.087	X+
SRK2	15-May-05	Mercury	µg/L	<0.063	0.063	avg=0.021, P99=0.087	X+
SRK2	19-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.021, P99=0.087, high ND value	X+
SRK2	07-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.021, P99=0.087, high ND value	X+
SRK2	23-Mar-05	Mercury	µg/L	<0.04	0.04	avg=0.021, P99=0.087	X+
SRK2	15-May-05	Silver	µg/L	<0.02	0.002	avg=0.0067, P99=0.015, high ND value	X+
SRK2	23-Mar-05	Vanadium	µg/L	0.969	0.0094	avg=0.29, P99=0.79	X+
SRK3	20-May-06	Aluminum	µg/L	9.42	0.62	avg=2.1, P99=7.2	X+
SRK3	09-Mar-06	Antimony	µg/L	0.064	0.015	avg=0.023, P99=0.058	X+
SRK3	16-Mar-07	Beryllium	µg/L	<0.05	0.05	avg=0.025, P99=0.041	X+
SRK3	20-May-06	Lead	µg/L	0.201	0.026	avg=0.083, P99=0.29	X+
SRK3	09-Mar-06	Lead	µg/L	0.178	0.026	avg=0.083, P99=0.29	X+
SRK3	19-Aug-06	Lead	µg/L	0.148	0.031	avg=0.083, P99=0.29	X+
SRK3	08-Nov-05	Mercury	µg/L	<0.062	0.062	High DL or MRL, avg=0.0024, P99=0.02	X+
SRK3	16-Mar-07	Silver	µg/L	<0.0124	0.0124	avg=0.0034, P99=0.0052	X+
SRK3	20-Oct-08	Silver	µg/L	<0.009	0.009	avg=0.0034, P99=0.0052	X+
SRK5D	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.13, P99=0.84	X+
SRK5M	25-Sep-04	Antimony	µg/L	0.156	0.077	avg=0.042, P99=0.17	X+
SRK5M	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.075, P99=0.58	X+
SRK5M	25-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.075, P99=0.58	X+
SRK5M	14-May-05	Mercury	µg/L	<0.063	0.063	avg=0.023, P99=0.13	X+
SRK5M	18-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.023, P99=0.13	X+
SRK5M	08-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.023, P99=0.13	X+
SRK5M	18-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.023, P99=0.13	X+
SRK5M	20-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.011, P99=0.066	X+
SRK5M	27-Oct-06	Potassium	µg/L	<2000	50	avg=570, P99=1400	X+
SRK5M	25-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29, high ND value	X+
SRK5M	20-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29, high ND value	X+
SRK5S	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.093, P99=0.66	X+
SRK5S	25-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.093, P99=0.66	X+
SRK5S	25-Sep-04	Boron	µg/L	3.2	3.1	avg=1.5, P99=2.9	X+
SRK5S	25-Sep-04	Cadmium	µg/L	0.0929	0.031	avg=0.023, P99=0.07	X+
SRK5S	25-Sep-04	Manganese	µg/L	11.4	0.5	avg=1.6, P99=6.4	X+
SRK5S	20-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.045, P99=0.29	X+
SRK5S	20-Oct-04	Potassium	µg/L	<2000	30	avg=390, P99=1500	X+
SRK5S	27-Oct-06	Potassium	µg/L	<2000	50	avg=390, P99=1500	X+
SRK5S	25-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.14, P99=0.6, high ND value	X+
SRK5S	20-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.14, P99=0.6, high ND value	X+
SRK5S	10-Mar-06	Zinc	µg/L	3.37	0.26	avg=0.74, P99=2.3	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
KPP4	09-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.015, P99=0.037, high ND value	X+
KPP4	07-Nov-05	Boron	µg/L	4.7	3.1	avg=1.9, P99=4	X+
KPP4	14-May-05	Chromium	µg/L	8.56	0.0713	avg=2.5, P99=6.1	X+
KPP4	15-Mar-07	FeII Field	mg/L	0.31		avg=0.074, P99=0.3	X+
KPP4	19-Aug-06	FeII Field	mg/L	0.27		avg=0.074, P99=0.3	X+
KPP4	22-Mar-05	Mercury	µg/L	<0.2	0.063	High DL or MRL or MRL, avg=0.011, P99=0.063	X+
KPP4	07-Nov-05	Total	mg/L	0.28	0.0033	avg=0.031, P99=0.16	X+
MW10	20-Aug-05	Aluminum	µg/L	7.85	0.62	avg=4.7, P99=18	X+
MW10	21-Oct-04	Aluminum	µg/L	<25	7.8	avg=4.7, P99=18, high ND value	X+
MW10	12-May-05	Aluminum	µg/L	12.3	0.0702	avg=4.7, P99=18	X+
MW10	20-Aug-05	Antimony	µg/L	1.04	0.0031	avg=0.081, P99=0.64	X+
MW10	20-Aug-05	Arsenic	µg/L	0.899	0.25	avg=0.37, P99=0.71	X+
MW10	20-Aug-05	Barium	µg/L	1.83	0.062	avg=1.4, P99=1.7	X+
MW10	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.096, P99=0.64	X+
MW10	20-Aug-05	Bismuth	µg/L	0.717	0.0031	avg=0.087, P99=0.61	X+
MW10	20-Aug-05	Cadmium	µg/L	0.204	0.0155	avg=0.02, P99=0.13	X+
MW10	20-Aug-05	Cobalt	µg/L	0.329	0.0031	avg=0.034, P99=0.21	X+
MW10	20-Aug-05	Copper	µg/L	11	0.031	avg=1.4, P99=7.7	X+
MW10	20-Aug-05	Lead	µg/L	0.908	0.031	avg=0.082, P99=0.57	X+
MW10	20-Aug-05	Manganese	µg/L	3.51	0.062	avg=0.38, P99=2.3	X+
MW10	20-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.013, P99=0.072	X+
MW10	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.013, P99=0.072	X+
MW10	21-Oct-04	Mercury	µg/L	<0.2	0.062	High DL or MRL, avg=0.013, P99=0.072	X+
MW10	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.013, P99=0.072	X+
MW10	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.013, P99=0.072	X+
MW10	12-Mar-06	Molybdenum	µg/L	0.684	0.015	avg=0.26, P99=0.77	X+
MW10	20-Mar-05	Molybdenum	µg/L	0.614	0.0338	avg=0.26, P99=0.77	X+
MW10	20-Aug-05	Molybdenum	µg/L	0.859	0.0062	avg=0.26, P99=0.77	X+
MW10	20-Aug-05	Nickel	µg/L	1.14	0.031	avg=0.41, P99=0.95	X+
MW10	23-May-06	Nitrogen,	mg/L	0.526	0.031	avg=0.18, P99=0.42	X+
MW10	25-Aug-08	pH (Field)		11.01			X+
MW10	20-Aug-05	Potassium	µg/L	722	15.5	avg=570, P99=670	X+
MW10	20-Aug-05	Silver	µg/L	0.0274	0.0062	avg=0.007, P99=0.019	X+
MW10	20-Aug-05	Thallium	µg/L	0.0844	0.0062	avg=0.015, P99=0.057	X+
MW10	20-Aug-05	Thiocyanate	µg/L	0.68	0.059	avg=0.17, P99=0.46	X+
MW10	20-Mar-05	Total	mg/L	0.0514	0.0031	avg=0.018, P99=0.061	X+
MW10	20-Aug-05	Vanadium	µg/L	1.27	0.2	avg=0.51, P99=1	X+
MW11D	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.041, P99=0.4	X+
MW11D	16-Aug-05	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.4, P99=3.3	X+
MW11D	21-Oct-04	Cobalt	µg/L	<0.1	0.031	High DL or MRL, avg=0.019, P99=0.046	X+
MW11D	10-Nov-05	FeII Field	mg/L	0.38		avg=0.097, P99=0.44	X+
MW11D	22-Mar-06	FeII Field	mg/L	0.49		avg=0.097, P99=0.44	X+
MW11D	22-Mar-06	Manganese	µg/L	3.36	0.025	avg=0.4, P99=2	X+
MW11D	21-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.075, high ND value	X+
MW11D	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.014, P99=0.075, high ND value	X+
MW11D	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.014, P99=0.075, high ND value	X+
MW11D	16-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.075, high ND value	X+
MW11D	10-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.075, high ND value	X+
MW11D	21-May-06	Nitrogen,	mg/L	0.861	0.031	avg=0.25, P99=0.6	X+
MW11D	21-Mar-05	Total	mg/L	0.0971	0.0031	avg=0.023, P99=0.067	X+
MW11M	21-Oct-04	Aluminum	µg/L	<25	7.8	avg=3.4, P99=16	X+
MW11M	21-Oct-04	Antimony	µg/L	0.0811	0.077	avg=0.027, P99=0.067	X+
MW11M	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.04, P99=0.4	X+
MW11M	21-Mar-05	Cobalt	µg/L	0.209	0.0095	avg=0.028, P99=0.12	X+
MW11M	21-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.013, P99=0.068	X+
MW11M	16-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.013, P99=0.068	X+
MW11M	11-Nov-05	Mercury	µg/L	<0.08	0.08	avg=0.013, P99=0.068	X+
MW11M	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.013, P99=0.068	X+
MW11M	21-Mar-05	Mercury	µg/L	<0.2	0.063	High DL or MRL, avg=0.013, P99=0.068	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW11M	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.013, P99=0.068	X+
MW11M	21-Mar-05	Molybdenum	µg/L	0.306	0.0338	avg=0.16, P99=0.31	X+
MW11M	21-May-06	Nitrogen,	mg/L	0.829	0.031	avg=0.24, P99=0.58	X+
MW11M	13-May-05	Total	mg/L	0.197	0.0022	avg=0.022, P99=0.11	X+
MW11S	22-Mar-06	Aluminum	µg/L	211	0.62	avg=28, P99=150	X+
MW11S	22-Mar-06	Barium	µg/L	6.02	0.025	avg=2.2, P99=4.7	X+
MW11S	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.052, P99=0.47	X+
MW11S	16-Aug-05	Boron	µg/L	<10	3.1	avg=2.9, P99=7.3, high ND value	X+
MW11S	22-Mar-06	Chromium	µg/L	18.3	0.1	avg=2.5, P99=12	X+
MW11S	22-Mar-06	Cobalt	µg/L	0.259	0.0062	avg=0.039, P99=0.17	X+
MW11S	22-Mar-06	Copper	µg/L	1.1	0.031	avg=0.33, P99=1	X+
MW11S	21-Oct-04	Dissolved	mg/L	15.56		avg=11, P99=15	X+
MW11S	22-Mar-06	Iron	µg/L	306	6.2	avg=41, P99=210	X+
MW11S	22-Mar-06	Manganese	µg/L	23.7	0.025	avg=2.7, P99=16	X+
MW11S	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.019, P99=0.086, high ND value	X+
MW11S	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.019, P99=0.086, high ND value	X+
MW11S	16-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.019, P99=0.086, high ND value	X+
MW11S	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.019, P99=0.086, high ND value	X+
MW11S	21-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.019, P99=0.086, high ND value	X+
MW11S	22-Mar-06	Molybdenum	µg/L	0.427	0.015	avg=0.15, P99=0.37	X+
MW11S	21-Oct-04	Molybdenum	µg/L	<0.31	0.31	avg=0.15, P99=0.37, high ND value	X+
MW11S	22-Mar-06	Nickel	µg/L	10.4	0.062	avg=1.4, P99=6.9	X+
MW11S	21-Oct-04	Sulfate	mg/L	7.82	0.031	avg=5.4, P99=7.5	X+
MW11S	21-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0098, P99=0.02, high ND value	X+
MW11S	21-Oct-04	Total	mg/L	0.05	0.031	avg=0.02, P99=0.062	X+
MW11S	21-Mar-05	Total	mg/L	0.065	0.0031	avg=0.02, P99=0.062	X+
MW11S	13-May-05	Total	mg/L	0.0525	0.0022	avg=0.02, P99=0.062	X+
MW11SS	11-Nov-05	Aluminum	µg/L	1000	0.62	avg=130, P99=950	X+
MW11SS	11-Nov-05	Barium	µg/L	14.9	0.062	avg=3.2, P99=14	X+
MW11SS	11-Nov-05	Bismuth	µg/L	0.0168	0.0031	avg=0.0087, P99=0.016	X+
MW11SS	11-Nov-05	Boron	µg/L	3.4	3.1	avg=2.6, P99=3.4	X+
MW11SS	11-Nov-05	Cobalt	µg/L	0.456	0.0031	avg=0.077, P99=0.43	X+
MW11SS	11-Nov-05	Iron	µg/L	894	6.2	avg=130, P99=850	X+
MW11SS	11-Nov-05	Lead	µg/L	0.642	0.031	avg=0.14, P99=0.62	X+
MW11SS	01-Nov-06	Manganese	µg/L	12.2	0.025	avg=8.6, P99=50	X+
MW11SS	11-Nov-05	Manganese	µg/L	52	0.062	avg=8.6, P99=50	X+
MW11SS	11-Nov-05	Mercury	µg/L	<0.062	0.062	High DL or MRL, avg=0.0046, P99=0.029	X+
MW11SS	11-Nov-05	Potassium	µg/L	555	15.5	avg=230, P99=540	X+
MW11SS	11-Nov-05	Silver	µg/L	0.0152	0.0062	avg=0.0073, P99=0.015	X+
MW11SS	11-Nov-05	Sodium	µg/L	1840	31	avg=1500, P99=1900	X+
MW12D	19-Aug-05	Aluminum	µg/L	81.3	0.62	avg=13, P99=63	X+
MW12D	19-Aug-05	Aluminum	µg/L	57.3	0.62	avg=13, P99=63	X+
MW12D	08-Nov-05	Antimony	µg/L	0.115	0.0031	avg=0.15, P99=0.2	X+
MW12D	08-Nov-05	Barium	µg/L	4.3	0.062	avg=3, P99=8.7	X+
MW12D	18-Aug-06	Barium	µg/L	2.57	0.025	avg=3, P99=8.7	X+
MW12D	19-Aug-05	Barium	µg/L	7.55	0.006	avg=3, P99=8.7	X+
MW12D	19-Aug-05	Barium	µg/L	8.29	0.062	avg=3, P99=8.7	X+
MW12D	19-May-06	Barium	µg/L	2.8	0.025	avg=3, P99=8.7	X+
MW12D	24-Mar-06	Barium	µg/L	3.38	0.025	avg=3, P99=8.7	X+
MW12D	19-Aug-05	Barium	µg/L	8.13	0.062	avg=3, P99=8.7	X+
MW12D	24-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.014, P99=0.038, high ND value	X+
MW12D	19-Aug-05	Cobalt	µg/L	0.309	0.003	avg=0.12, P99=0.31	X+
MW12D	19-Aug-05	Cobalt	µg/L	0.279	0.0031	avg=0.12, P99=0.31	X+
MW12D	19-Aug-05	Dissolved	mg/L	4		avg=2.6, P99=3.8	X+
MW12D	24-Mar-06	Manganese	µg/L	16.2	0.025	avg=13, P99=25	X+
MW12D	19-Aug-05	Manganese	µg/L	21	0.062	avg=13, P99=25	X+
MW12D	19-Aug-05	Manganese	µg/L	21.6	0.062	avg=13, P99=25	X+
MW12D	19-Aug-05	Manganese	µg/L	18.8	0.01	avg=13, P99=25	X+
MW12D	19-May-06	Manganese	µg/L	18.4	0.025	avg=13, P99=25	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW12D	18-Aug-06	Manganese	µg/L	16.9	0.025	avg=13, P99=25	X+
MW12D	08-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.072, high ND value	X+
MW12D	19-Aug-05	Mercury	µg/L	<0.05	0.05	avg=0.0072, P99=0.036, high ND value	X+
MW12D	19-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.014, P99=0.072	X+
MW12D	19-Aug-05	Nickel	µg/L	2.72	0.03	avg=1.4, P99=2.9	X+
MW12D	19-Aug-05	Nickel	µg/L	2.29	0.031	avg=1.4, P99=2.9	X+
MW12D	19-Aug-05	Nickel	µg/L	3.1	0.031	avg=1.4, P99=2.9	X+
MW12D	19-May-06	Nitrogen,	mg/L	0.386	0.031	avg=0.13, P99=0.3	X+
MW12D	19-Aug-05	Selenium	µg/L	0.899	0.155	avg=1.4, P99=1.9	X+
MW12D	12-May-07	Total	mg/L	228	5	avg=110, P99=190	X+
MW12D	12-May-07	Zinc	µg/L	6.05	0.31	avg=1.9, P99=4.7	X+
MW12S	09-Nov-05	Aluminum	µg/L	2180	0.62	avg=490, P99=1800	X+
MW12S	12-May-07	Aluminum	µg/L	645	0.2	avg=490, P99=1800	X+
MW12S	28-Oct-06	Aluminum	µg/L	1200	3.1	avg=490, P99=1800	X+
MW12S	09-Nov-05	Arsenic	µg/L	3.25	0.25	avg=1.4, P99=2.7	X+
MW12S	28-Oct-06	Barium	µg/L	51	0.025	avg=40, P99=57	X+
MW12S	09-Nov-05	Barium	µg/L	61.2	0.062	avg=40, P99=57	X+
MW12S	12-May-07	Bismuth	µg/L	<0.1	0.008	avg=0.027, P99=0.083	X+
MW12S	26-Mar-08	Boron	µg/L	<10	10	avg=8.6, P99=11, high ND value	X+
MW12S	19-Aug-05	Boron	µg/L	<10	3.1	avg=8.6, P99=11, high ND value	X+
MW12S	28-Oct-06	Chloride	mg/L	2.28	0.155	avg=0.8, P99=1.8	X+
MW12S	19-Aug-05	Cobalt	µg/L	1.68	0.0031	avg=0.68, P99=1.9	X+
MW12S	09-Nov-05	Cobalt	µg/L	1.84	0.0031	avg=0.68, P99=1.9	X+
MW12S	28-Oct-06	Cobalt	µg/L	1.03	0.013	avg=0.68, P99=1.9	X+
MW12S	18-Aug-06	Cobalt	µg/L	0.737	0.013	avg=0.68, P99=1.9	X+
MW12S	19-May-06	Cobalt	µg/L	0.914	0.0062	avg=0.68, P99=1.9	X+
MW12S	24-Mar-06	Cobalt	µg/L	0.988	0.0062	avg=0.68, P99=1.9	X+
MW12S	09-Nov-05	Copper	µg/L	32	0.031	avg=9.1, P99=30	X+
MW12S	18-Aug-06	Copper	µg/L	13.6	0.031	avg=9.1, P99=30	X+
MW12S	19-May-06	Copper	µg/L	14.3	0.031	avg=9.1, P99=30	X+
MW12S	12-May-07	Copper	µg/L	14.4	0.02	avg=9.1, P99=30	X+
MW12S	12-Mar-07	Copper	µg/L	11	2	avg=9.1, P99=30	X+
MW12S	28-Oct-06	Copper	µg/L	23.9	0.031	avg=9.1, P99=30	X+
MW12S	12-Mar-07	Dissolved	mg/L	3.52		avg=1.2, P99=4.7	X+
MW12S	09-Nov-05	Dissolved	mg/L	5.55		avg=1.2, P99=4.7	X+
MW12S	09-Nov-05	Iron	µg/L	3100	6.2	avg=870, P99=2600	X+
MW12S	12-Mar-07	Iron	µg/L	1220	248	avg=870, P99=2600	X+
MW12S	24-Mar-06	Iron	µg/L	892	6.2	avg=870, P99=2600	X+
MW12S	28-Oct-06	Iron	µg/L	1810	31	avg=870, P99=2600	X+
MW12S	19-May-06	Iron	µg/L	1170	6.2	avg=870, P99=2600	X+
MW12S	18-Aug-06	Iron	µg/L	1070	6.2	avg=870, P99=2600	X+
MW12S	12-May-07	Iron	µg/L	1170	3	avg=870, P99=2600	X+
MW12S	09-Nov-05	Lead	µg/L	1.27	0.031	avg=0.33, P99=1.1	X+
MW12S	09-Nov-05	Manganese	µg/L	428	0.062	avg=290, P99=430	X+
MW12S	19-Aug-05	Manganese	µg/L	404	0.062	avg=290, P99=430	X+
MW12S	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0094, P99=0.057, high ND value	X+
MW12S	19-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0094, P99=0.057, high ND value	X+
MW12S	09-Nov-05	Molybdenum	µg/L	11.4	0.0062	avg=9.4, P99=12	X+
MW12S	19-Aug-05	Molybdenum	µg/L	12.3	0.0062	avg=9.4, P99=12	X+
MW12S	19-Aug-05	Nickel	µg/L	5.17	0.031	avg=3.4, P99=6.6	X+
MW12S	09-Nov-05	Nickel	µg/L	7.17	0.031	avg=3.4, P99=6.6	X+
MW12S	19-Aug-05	Sodium	µg/L	17600	775	avg=13000, P99=17000	X+
MW12S	26-Mar-08	Tin	µg/L	<0.4	0.4	avg=0.11, P99=0.31, high ND value	X+
MW12S	09-Nov-05	Total	mg/L	0.41	0.0033	avg=0.092, P99=0.3	X+
MW12S	09-Nov-05	Vanadium	µg/L	6.53	0.2	avg=1.6, P99=5.5	X+
MW12S	09-Nov-05	Zinc	µg/L	6.7	0.465	avg=2.7, P99=6.2	X+
MW12S	28-Oct-06	Zinc	µg/L	5.37	0.31	avg=2.7, P99=6.2	X+
MW13D	22-Aug-05	Alkalinity	mg/L	40	3.1	avg=23, P99=34	X+
MW13D	22-Aug-05	Aluminum	µg/L	26700	155	avg=1800, P99=16000	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW13D	12-Nov-05	Antimony	µg/L	0.088	0.005	avg=0.049, P99=0.15	X+
MW13D	22-May-06	Antimony	µg/L	0.0838	0.015	avg=0.053, P99=0.15	X+
MW13D	22-Aug-05	Antimony	µg/L	0.185	0.0031	avg=0.053, P99=0.15	X+
MW13D	12-Nov-05	Antimony	µg/L	0.0734	0.0031	avg=0.049, P99=0.15	X+
MW13D	12-Nov-05	Antimony	µg/L	0.0892	0.0031	avg=0.049, P99=0.15	X+
MW13D	22-Aug-05	Arsenic	µg/L	1.87	0.25	avg=0.39, P99=1.3	X+
MW13D	22-Aug-05	Barium	µg/L	28.3	0.062	avg=5.2, P99=19	X+
MW13D	22-Aug-05	Beryllium	µg/L	2.19	0.15	avg=0.14, P99=1.3	X+
MW13D	22-Aug-05	Bismuth	µg/L	0.333	0.0031	avg=0.028, P99=0.21	X+
MW13D	22-Aug-05	Boron	µg/L	16	3.1	avg=2.8, P99=11	X+
MW13D	22-Aug-05	Cadmium	µg/L	0.917	0.0155	avg=0.061, P99=0.56	X+
MW13D	22-Aug-05	Calcium	µg/L	20200	155	avg=6800, P99=15000	X+
MW13D	22-Aug-05	Cobalt	µg/L	3.87	0.0031	avg=0.27, P99=2.4	X+
MW13D	22-Aug-05	Copper	µg/L	7.05	0.031	avg=1.3, P99=4.8	X+
MW13D	21-Mar-06	FeII Field	mg/L	0.55		avg=0.072, P99=0.42	X+
MW13D	22-Aug-05	Hardness	mg/L	74.8	8	avg=22, P99=53	X+
MW13D	22-Aug-05	Iron	µg/L	7500	62	avg=490, P99=4600	X+
MW13D	22-Aug-05	Lead	µg/L	11.3	0.031	avg=0.82, P99=6.9	X+
MW13D	22-Aug-05	Magnesium	µg/L	5940	77.5	avg=1200, P99=4000	X+
MW13D	22-Aug-05	Manganese	µg/L	64.5	0.062	avg=6.9, P99=41	X+
MW13D	22-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.081, high ND value	X+
MW13D	12-Nov-05	Mercury	µg/L	<0.08	0.08	avg=0.016, P99=0.081	X+
MW13D	12-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.081	X+
MW13D	22-Aug-05	Molybdenum	µg/L	3.07	0.0062	avg=1.5, P99=2.6	X+
MW13D	22-Aug-05	Nickel	µg/L	7.62	0.031	avg=1.6, P99=5.4	X+
MW13D	12-Nov-05	Nitrogen,	mg/L	0.409	0.031	avg=0.17, P99=0.33	X+
MW13D	22-Aug-05	pH (Field)		7.92		avg=6.4, P99=7.6	X+
MW13D	22-Aug-05	Potassium	µg/L	1840	15.5	avg=330, P99=1200	X+
MW13D	22-Aug-05	Selenium	µg/L	0.464	0.155	avg=0.28, P99=0.48	X+
MW13D	22-Aug-05	Silver	µg/L	0.272	0.0062	avg=0.023, P99=0.17	X+
MW13D	22-Aug-05	Sodium	µg/L	15800	1550	avg=3900, P99=11000	X+
MW13D	18-Mar-07	Spec Cond	uS/cm	28		major ions are stable	X+
MW13D	11-May-07	Spec Cond	uS/cm	29		major ions are stable	X+
MW13D	22-Aug-05	Spec Cond	uS/cm	102		avg=0.048, P99=0.092	X+
MW13D	22-Aug-07	Spec Cond	uS/cm	27		major ions are stable	X+
MW13D	22-Aug-05	Sulfate	mg/L	8.19	0.031	avg=3.3, P99=6.8	X+
MW13D	22-Aug-05	Thallium	µg/L	0.108	0.0062	avg=0.018, P99=0.08	X+
MW13D	22-Aug-05	Tin	µg/L	2.95	0.062	avg=0.24, P99=1.8	X+
MW13D	22-Aug-05	Total	mg/L	250	3.1	avg=51, P99=170	X+
MW13D	22-Aug-05	Vanadium	µg/L	27.3	0.2	avg=2, P99=17	X+
MW13D	22-Aug-05	Zinc	µg/L	60.5	0.465	avg=4.8, P99=37	X+
MW13S	21-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.018, P99=0.048	X+
MW13S	21-Mar-06	Lead	µg/L	2.1	0.026	avg=0.21, P99=1.4	X+
MW13S	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0086, P99=0.057, high ND value	X+
MW13S	22-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.0086, P99=0.057, high ND value	X+
MW13S	21-Mar-06	Molybdenum	µg/L	0.6	0.015	avg=0.34, P99=0.57	X+
MW13S	22-Aug-05	Thallium	µg/L	0.0158	0.0062	avg=0.0096, P99=0.018	X+
MW13S	21-Mar-06	Thallium	µg/L	0.0164	0.005	avg=0.0096, P99=0.018	X+
MW13S	22-May-06	Total	mg/L	0.038	0.0031	avg=0.011, P99=0.032	X+
MW13S	31-Oct-06	Vanadium	µg/L	1.25	0.5	avg=0.39, P99=0.97	X+
MW14D	10-Nov-05	Aluminum	µg/L	252	0.62	avg=48, P99=210	X+
MW14D	03-Nov-06	Aluminum	µg/L	94.6	0.62	avg=48, P99=210	X+
MW14D	23-Mar-06	Aluminum	µg/L	87.3	0.62	avg=48, P99=210	X+
MW14D	10-Nov-05	Antimony	µg/L	0.768	0.0031	avg=0.28, P99=0.68	X+
MW14D	23-Mar-06	Antimony	µg/L	0.479	0.015	avg=0.28, P99=0.68	X+
MW14D	23-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.017, P99=0.041, high ND value	X+
MW14D	23-Aug-06	Cadmium	µg/L	<0.037	0.037	avg=0.021, P99=0.042, high ND value	X+
MW14D	03-Nov-06	Cadmium	µg/L	<0.037	0.037	avg=0.021, P99=0.042, high ND value	X+
MW14D	03-Nov-06	Chromium	µg/L	3.14	0.1	avg=3.6, P99=12	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW14D	10-Nov-05	Chromium	µg/L	15.1	0.062	avg=3.6, P99=12	X+
MW14D	23-Aug-06	Chromium	µg/L	4.4	0.1	avg=3.6, P99=12	X+
MW14D	23-Mar-06	Chromium	µg/L	4.08	0.1	avg=3.6, P99=12	X+
MW14D	09-May-07	Chromium	µg/L	3.03	0.1	avg=3.6, P99=12	X+
MW14D	20-Mar-07	Chromium	µg/L	3.81	0.1	avg=3.6, P99=12	X+
MW14D	21-May-06	Chromium	µg/L	4.1	0.1	avg=3.6, P99=12	X+
MW14D	20-Mar-07	Cobalt	µg/L	0.226	0.01	avg=0.25, P99=0.56	X+
MW14D	21-May-06	Cobalt	µg/L	0.367	0.0062	avg=0.25, P99=0.56	X+
MW14D	10-Nov-05	Cobalt	µg/L	0.502	0.0031	avg=0.25, P99=0.56	X+
MW14D	23-Aug-06	Cobalt	µg/L	0.282	0.013	avg=0.25, P99=0.56	X+
MW14D	09-May-07	Cobalt	µg/L	0.253	0.01	avg=0.25, P99=0.56	X+
MW14D	03-Nov-06	Cobalt	µg/L	0.264	0.013	avg=0.25, P99=0.56	X+
MW14D	23-Mar-06	Cobalt	µg/L	0.484	0.0062	avg=0.25, P99=0.56	X+
MW14D	21-May-06	Copper	µg/L	3.35	0.031	avg=1.8, P99=6.8	X+
MW14D	10-Nov-05	Copper	µg/L	5.38	0.031	avg=1.8, P99=6.8	X+
MW14D	23-Mar-06	Copper	µg/L	7.09	0.031	avg=1.8, P99=6.8	X+
MW14D	10-Nov-05	Dissolved	mg/L	4.09		avg=2.2, P99=5.8	X+
MW14D	23-Mar-06	Dissolved	mg/L	6.06		avg=2.2, P99=5.8	X+
MW14D	23-Aug-06	Lead	µg/L	0.546	0.031	avg=0.68, P99=3.8	X+
MW14D	23-Mar-06	Lead	µg/L	5	0.026	avg=0.68, P99=3.8	X+
MW14D	10-Nov-05	Lead	µg/L	0.626	0.031	avg=0.68, P99=3.8	X+
MW14D	21-May-06	Lead	µg/L	1.53	0.026	avg=0.68, P99=3.8	X+
MW14D	10-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0073, P99=0.047, high ND value	X+
MW14D	10-Nov-05	Molybdenum	µg/L	5.18	0.0062	avg=3.2, P99=6.4	X+
MW14D	21-May-06	Molybdenum	µg/L	4.37	0.015	avg=3.2, P99=6.4	X+
MW14D	23-Mar-06	Molybdenum	µg/L	6.09	0.015	avg=3.2, P99=6.4	X+
MW14D	23-Aug-06	Molybdenum	µg/L	4.35	0.029	avg=3.2, P99=6.4	X+
MW14D	10-Nov-05	Nickel	µg/L	8.23	0.031	avg=3.1, P99=7	X+
MW14D	10-Nov-05	Potassium	µg/L	3030	15.5	avg=1000, P99=2500	X+
MW14D	03-Nov-06	Silver	µg/L	0.0112	0.0062	avg=0.0067, P99=0.01	X+
MW14D	23-Aug-06	Silver	µg/L	0.008	0.0062	avg=0.0067, P99=0.01	X+
MW14D	10-Nov-05	Tin	µg/L	7.65	0.062	avg=1.8, P99=6.4	X+
MW14D	10-Nov-05	Total	mg/L	0.2	0.0033	avg=0.025, P99=0.15	X+
MW14D	10-Nov-05	Zinc	µg/L	6.01	0.465	avg=2, P99=5.5	X+
MW14S	21-May-06	Alkalinity	mg/L	34	6.2	avg=29, P99=33	X+
MW14S	19-Aug-07	Aluminum	µg/L	737	0.62	avg=96, P99=500	X+
MW14S	19-Aug-07	Barium	µg/L	10.1	0.025	avg=2.8, P99=7.3	X+
MW14S	10-Nov-05	Bismuth	µg/L	<0.1	0.01	High DL or MRL, avg=0.011, P99=0.035	X+
MW14S	10-Nov-05	Boron	µg/L	5.2	3.1	avg=1.5, P99=3.6	X+
MW14S	19-Aug-07	Cobalt	µg/L	0.502	0.01	avg=0.1, P99=0.36	X+
MW14S	02-Nov-06	FeII Field	mg/L	0.55		avg=0.058, P99=0.42	X+
MW14S	19-Aug-07	Iron	µg/L	948	6.2	avg=140, P99=650	X+
MW14S	19-Aug-07	Manganese	µg/L	80.4	0.015	avg=11, P99=56	X+
MW14S	19-Aug-07	Nickel	µg/L	4.38	0.062	avg=1.3, P99=3.3	X+
MW14S	23-Aug-06	Thallium	µg/L	0.0232	0.01	avg=0.0091, P99=0.019	X+
MW14S	10-Nov-05	Total	mg/L	0.38	0.0033	avg=0.048, P99=0.3	X+
MW14S	10-Nov-05	Total	mg/L	0.37	0.0033	avg=0.048, P99=0.3	X+
MW1D	23-Sep-04	Aluminum	µg/L	157	7.8	avg=25, P99=140	X+
MW1D	23-Sep-04	Aluminum	µg/L	151	10	avg=25, P99=140	X+
MW1D	23-Sep-04	Aluminum	µg/L	187	7.8	avg=25, P99=140	X+
MW1D	22-May-06	Ammonia	mg/L	<0.1	0.031	avg=0.034, P99=0.088	X+
MW1D	22-May-06	Ammonia	mg/L	<0.1	0.031	avg=0.02, P99=0.055, high ND value	X+
MW1D	23-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.072, P99=0.55	X+
MW1D	22-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.072, P99=0.55	X+
MW1D	17-Aug-05	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.3, P99=2.9	X+
MW1D	17-Aug-05	Cobalt	µg/L	0.064	0.003	avg=0.03, P99=0.11	X+
MW1D	23-Sep-04	Cobalt	µg/L	0.15	0.01	avg=0.03, P99=0.11	X+
MW1D	23-Sep-04	Cobalt	µg/L	0.12	0.031	avg=0.03, P99=0.11	X+
MW1D	17-Aug-05	Cobalt	µg/L	0.0746	0.0031	avg=0.03, P99=0.11	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW1D	17-Aug-05	Cobalt	µg/L	0.0566	0.0031	avg=0.03, P99=0.11	X+
MW1D	23-Sep-04	Cobalt	µg/L	0.115	0.031	avg=0.03, P99=0.11	X+
MW1D	23-Sep-04	Dissolved	mg/L	18.72		avg=13, P99=17	X+
MW1D	21-Mar-06	Lead	µg/L	1.17	0.026	avg=0.077, P99=0.53	X+
MW1D	21-Mar-06	Manganese	µg/L	5.05	0.025	avg=0.77, P99=3.2	X+
MW1D	22-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.021, P99=0.1, high ND value	X+
MW1D	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.021, P99=0.1, high ND value	X+
MW1D	17-Aug-05	Mercury	µg/L	<0.05	0.05	avg=0.021, P99=0.1	X+
MW1D	23-Sep-04	Mercury	µg/L	<0.1	0.1	avg=0.021, P99=0.1	X+
MW1D	23-Sep-04	Mercury	µg/L	0.136	0.062	avg=0.012, P99=0.072	X+
MW1D	17-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.021, P99=0.1	X+
MW1D	17-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.021, P99=0.1	X+
MW1D	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.021, P99=0.1, high ND value	X+
MW1D	21-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.021, P99=0.1, high ND value	X+
MW1D	23-Sep-04	Nitrogen,	mg/L	5.18	0.31	avg=0.3, P99=2.3	X+
MW1D	17-Aug-05	Potassium	µg/L	<2000	40	High DL or MRL, avg=260, P99=560	X+
MW1D	22-Aug-06	Silver	µg/L	0.0174	0.0062	avg=0.0036, P99=0.0099	X+
MW1D	23-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0097, P99=0.025, high ND value	X+
MW1D	22-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0097, P99=0.025, high ND value	X+
MW1D	21-Mar-05	Thallium	µg/L	0.0295	0.0043	avg=0.0097, P99=0.025	X+
MW1D	23-Sep-04	Total	mg/L	0.12	0.031	avg=0.028, P99=0.14	X+
MW1D	13-May-05	Total	mg/L	0.278	0.0022	avg=0.029, P99=0.15	X+
MW1D	23-Sep-04	Total	mg/L	0.05	0.031	avg=0.028, P99=0.14	X+
MW1D	23-Sep-04	Total	mg/L	0.06	0.003	avg=0.028, P99=0.14	X+
MW1D	21-Mar-05	Total	mg/L	0.0443	0.0031	avg=0.028, P99=0.14	X+
MW1D	22-Aug-06	Zinc	µg/L	4.68	0.31	avg=1.2, P99=3.4	X+
MW1M	29-Oct-04	Aluminum	µg/L	370	7.8	avg=24, P99=200	X+
MW1M	24-Sep-04	Aluminum	µg/L	77.3	7.8	avg=24, P99=200	X+
MW1M	29-Oct-04	Barium	µg/L	5.43	0.094	avg=2, P99=3.7	X+
MW1M	29-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.066, P99=0.53	X+
MW1M	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.066, P99=0.53	X+
MW1M	11-Nov-05	Cadmium	µg/L	0.0494	0.0155	avg=0.026, P99=0.062	X+
MW1M	24-Sep-04	Cadmium	µg/L	0.0475	0.031	avg=0.026, P99=0.062	X+
MW1M	13-May-05	Cadmium	µg/L	0.045	0.0062	avg=0.026, P99=0.062	X+
MW1M	29-Oct-04	Cadmium	µg/L	0.0702	0.031	avg=0.026, P99=0.062	X+
MW1M	29-Oct-04	Cobalt	µg/L	0.26	0.031	avg=0.07, P99=0.23	X+
MW1M	29-Oct-04	Iron	µg/L	1170	6.2	avg=72, P99=600	X+
MW1M	22-Mar-06	Lead	µg/L	4	0.026	avg=0.49, P99=3.4	X+
MW1M	22-Mar-06	Lead	µg/L	5.12	0.026	avg=0.49, P99=3.4	X+
MW1M	21-Mar-05	Magnesium	µg/L	1140	58.7	avg=920, P99=1100	X+
MW1M	29-Oct-04	Manganese	µg/L	10.6	0.5	avg=1.3, P99=5.9	X+
MW1M	21-Mar-05	Mercury	µg/L	<0.2	0.063	avg=0.03, P99=0.19, high ND value	X+
MW1M	29-Oct-04	Mercury	µg/L	0.3	0.062	avg=0.021, P99=0.16	X+
MW1M	29-Oct-04	Molybdenum	µg/L	0.67	0.31	avg=0.35, P99=0.56	X+
MW1M	24-Sep-04	Nitrogen,	mg/L	1.3	0.31	avg=0.18, P99=0.77	X+
MW1M	21-Mar-05	pH (Field)		12.29		avg=6.7, P99=10	X+
MW1M	29-Oct-04	Potassium	µg/L	332	15	avg=210, P99=280	X+
MW1M	29-Oct-04	Spec Cond	uS/cm	77		avg=0.049, P99=0.078	X+
MW1M	13-May-05	Total	mg/L	0.16	0.0022	avg=0.022, P99=0.096	X+
MW1M	29-Oct-04	Vanadium	µg/L	0.971	0.25	avg=0.32, P99=0.7	X+
MW1M	29-Oct-04	Zinc	µg/L	254	0.47	avg=26, P99=140	X+
MW1S	13-May-05	Aluminum	µg/L	3300	1.55	avg=430, P99=2600	X+
MW1S	13-May-05	Arsenic	µg/L	1.93	0.0121	avg=0.38, P99=1.2	X+
MW1S	29-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.074, P99=0.57	X+
MW1S	25-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.074, P99=0.57	X+
MW1S	13-May-05	Cobalt	µg/L	1.31	0.0095	avg=0.18, P99=0.87	X+
MW1S	13-May-05	Copper	µg/L	4.5	0.0209	avg=0.91, P99=3.5	X+
MW1S	13-May-05	Iron	µg/L	2720	58.6	avg=260, P99=1600	X+
MW1S	13-May-05	Manganese	µg/L	138	0.288	avg=20, P99=92	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW1S	17-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.015, P99=0.074, high ND value	X+
MW1S	11-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.015, P99=0.074, high ND value	X+
MW1S	29-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.015, P99=0.074, high ND value	X+
MW1S	13-May-05	Mercury	µg/L	<0.063	0.063	avg=0.015, P99=0.074, high ND value	X+
MW1S	25-Sep-04	Mercury	µg/L	<0.062	0.062	avg=0.015, P99=0.074, high ND value	X+
MW1S	22-Aug-06	Potassium	µg/L	372	15	avg=160, P99=400	X+
MW1S	13-May-05	Potassium	µg/L	536	1.42	avg=160, P99=400	X+
MW1S	25-Sep-04	Thallium	µg/L	0.0286	0.025	avg=0.011, P99=0.026	X+
MW1S	13-May-05	Thallium	µg/L	0.0242	0.0043	avg=0.011, P99=0.026	X+
MW1S	25-Sep-04	Total	mg/L	55	3.1	avg=17, P99=44	X+
MW1S	13-May-05	Total	mg/L	0.246	0.0022	avg=0.03, P99=0.16	X+
MW1S	13-May-05	Vanadium	µg/L	5.31	0.0094	avg=0.65, P99=3.1	X+
MW2D	20-Oct-04	Aluminum	µg/L	45200	312	avg=1600, P99=21000	X+
MW2D	23-Mar-06	Ammonia	mg/L	<0.1	0.031	avg=0.046, P99=0.12	X+
MW2D	23-Oct-08	Ammonia	mg/L	<0.1	0.031	avg=0.046, P99=0.12	X+
MW2D	02-Nov-06	Ammonia	mg/L	<0.1	0.031	avg=0.046, P99=0.12	X+
MW2D	21-May-06	Ammonia	mg/L	<0.1	0.031	avg=0.046, P99=0.12	X+
MW2D	24-Aug-08	Ammonia	mg/L	<0.1	0.031	avg=0.046, P99=0.12	X+
MW2D	20-Oct-04	Arsenic	µg/L	18.7	0.25	avg=5.4, P99=11	X+
MW2D	20-Oct-04	Barium	µg/L	461	0.094	avg=17, P99=220	X+
MW2D	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.11, P99=0.72	X+
MW2D	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.11, P99=0.72	X+
MW2D	07-Sep-04	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.5, P99=3.3	X+
MW2D	20-Oct-04	Cadmium	µg/L	0.499	0.031	avg=0.027, P99=0.24	X+
MW2D	20-Oct-04	Calcium	µg/L	64000	600	avg=10000, P99=34000	X+
MW2D	20-Oct-04	Chromium	µg/L	22.5	0.1	avg=3.1, P99=12	X+
MW2D	20-Oct-04	Cobalt	µg/L	21.3	0.031	avg=0.77, P99=10	X+
MW2D	20-Oct-04	Copper	µg/L	43.6	0.062	avg=1.8, P99=21	X+
MW2D	24-Aug-08	Dissolved	mg/L	92.1		Max oxygen solubility approx 16 mg/L	X+
MW2D	12-Nov-05	FeII Field	mg/L	0.3		avg=0.093, P99=0.46	X+
MW2D	20-Oct-04	Hardness	mg/L	222	20	avg=30, P99=120	X+
MW2D	20-Oct-04	Iron	µg/L	35700	248	avg=1300, P99=17000	X+
MW2D	20-Oct-04	Lead	µg/L	22.6	0.1	avg=0.84, P99=11	X+
MW2D	20-Oct-04	Magnesium	µg/L	15200	248	avg=1100, P99=7400	X+
MW2D	20-Oct-04	Manganese	µg/L	1870	0.5	avg=65, P99=870	X+
MW2D	20-Oct-04	Mercury	µg/L	0.706	0.062	avg=0.038, P99=0.36	X+
MW2D	22-Mar-05	Molybdenum	µg/L	0.608	0.0338	avg=0.24, P99=0.48	X+
MW2D	20-Oct-04	Nickel	µg/L	35.9	0.062	avg=2.4, P99=17	X+
MW2D	07-Sep-04	Nitrogen,	mg/L	1.66	0.31	avg=0.23, P99=1.2	X+
MW2D	07-Sep-04	Nitrogen,	mg/L	0.77	0.31	avg=0.22, P99=1.1	X+
MW2D	21-May-06	Nitrogen,	mg/L	1.24	0.031	avg=0.22, P99=1.1	X+
MW2D	07-Sep-04	Nitrogen,	mg/L	0.6	0.03	avg=0.22, P99=1.1	X+
MW2D	20-Oct-04	Potassium	µg/L	4230	600	avg=480, P99=2200	X+
MW2D	20-Oct-04	Selenium	µg/L	0.844	0.31	avg=0.29, P99=0.61	X+
MW2D	20-Oct-04	Silver	µg/L	0.353	0.0062	avg=0.015, P99=0.17	X+
MW2D	20-Oct-04	Sodium	µg/L	9720	1240	avg=1900, P99=5400	X+
MW2D	22-Mar-05	Thallium	µg/L	0.272	0.0043	avg=0.019, P99=0.14	X+
MW2D	20-Oct-04	Thallium	µg/L	0.118	0.025	avg=0.019, P99=0.14	X+
MW2D	20-Oct-04	Tin	µg/L	2.11	0.31	avg=0.15, P99=1	X+
MW2D	22-Mar-05	Total	mg/L	0.209	0.0031	avg=0.03, P99=0.13	X+
MW2D	20-Oct-04	Vanadium	µg/L	45.6	0.25	avg=3.5, P99=22	X+
MW2D	20-Oct-04	Zinc	µg/L	109	0.47	avg=4.9, P99=52	X+
MW3D	24-Mar-06	Alkalinity	mg/L	179	3.1	avg=53, P99=140	X+
MW3D	16-May-05	Aluminum	µg/L	8650	1.55	avg=910, P99=6100	X+
MW3D	02-Nov-06	Ammonia	mg/L	0.703	0.031	avg=0.11, P99=0.6	X+
MW3D	16-May-05	Arsenic	µg/L	9.76	0.0121	avg=1.7, P99=7.2	X+
MW3D	16-May-05	Barium	µg/L	95.3	0.795	avg=13, P99=69	X+
MW3D	16-May-05	Bismuth	µg/L	0.0432	0.0077	avg=0.011, P99=0.033	X+
MW3D	16-May-05	Cadmium	µg/L	0.159	0.0062	avg=0.029, P99=0.12	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW3D	22-Aug-05	Calcium	µg/L	18500	15.5	avg=18000, P99=21000	X+
MW3D	16-May-05	Calcium	µg/L	21000	320	avg=18000, P99=21000	X+
MW3D	16-May-05	Cobalt	µg/L	5.07	0.0095	avg=0.53, P99=3.6	X+
MW3D	16-May-05	Copper	µg/L	16.1	0.0209	avg=2, P99=12	X+
MW3D	16-May-05	Hardness	mg/L	82.5	1.03	avg=65, P99=78	X+
MW3D	16-May-05	Iron	µg/L	10000	58.6	avg=1000, P99=7100	X+
MW3D	16-May-05	Lead	µg/L	7.33	0.022	avg=0.83, P99=5.2	X+
MW3D	16-May-05	Magnesium	µg/L	7310	56.9	avg=5000, P99=6600	X+
MW3D	16-May-05	Manganese	µg/L	609	0.288	avg=58, P99=430	X+
MW3D	16-May-05	Mercury	µg/L	<0.063	0.063	avg=0.01, P99=0.062, high ND value	X+
MW3D	22-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.01, P99=0.062, high ND value	X+
MW3D	16-May-05	Nickel	µg/L	8.18	0.0298	avg=1.3, P99=6	X+
MW3D	16-May-05	Potassium	µg/L	2150	31.4	avg=1000, P99=1800	X+
MW3D	16-May-05	Silver	µg/L	0.0788	0.0029	avg=0.011, P99=0.057	X+
MW3D	16-May-05	Sodium	µg/L	4560	49.1	avg=3700, P99=4400	X+
MW3D	16-May-05	Thallium	µg/L	0.0624	0.0043	avg=0.013, P99=0.046	X+
MW3D	16-May-05	Tin	µg/L	0.683	0.0604	avg=0.16, P99=0.6	X+
MW3D	16-May-05	Vanadium	µg/L	16.1	0.0094	avg=2, P99=12	X+
MW3D	16-May-05	Zinc	µg/L	41.7	0.469	avg=5.3, P99=30	X+
MW5D	18-Mar-05	Alkalinity	mg/L	74	3.1	avg=68, P99=79	X+
MW5D	11-May-05	Alkalinity	mg/L	78	3.1	avg=68, P99=79	X+
MW5D	24-Sep-04	Alkalinity	mg/L	79.5	3.1	avg=68, P99=79	X+
MW5D	24-Sep-04	Aluminum	µg/L	168	7.8	avg=23, P99=110	X+
MW5D	23-Mar-06	Aluminum	µg/L	114	0.62	avg=23, P99=110	X+
MW5D	18-Mar-05	Antimony	µg/L	0.42	0.0081	avg=0.17, P99=0.7	X+
MW5D	23-Mar-06	Antimony	µg/L	0.252	0.015	avg=0.17, P99=0.7	X+
MW5D	11-May-05	Antimony	µg/L	0.33	0.0081	avg=0.17, P99=0.7	X+
MW5D	09-Nov-05	Antimony	µg/L	0.186	0.0031	avg=0.17, P99=0.7	X+
MW5D	18-Aug-05	Antimony	µg/L	0.275	0.0031	avg=0.17, P99=0.7	X+
MW5D	19-Oct-04	Antimony	µg/L	0.871	0.077	avg=0.17, P99=0.7	X+
MW5D	24-Sep-04	Antimony	µg/L	0.781	0.077	avg=0.17, P99=0.7	X+
MW5D	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.071, P99=0.56	X+
MW5D	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.071, P99=0.56	X+
MW5D	24-Sep-04	Cadmium	µg/L	0.0668	0.031	avg=0.024, P99=0.058	X+
MW5D	19-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.028, P99=0.16, high ND value	X+
MW5D	18-Mar-05	Mercury	µg/L	<0.2	0.063	avg=0.028, P99=0.16, high ND value	X+
MW5D	24-Sep-04	Molybdenum	µg/L	8.22	0.31	avg=3.2, P99=6.2	X+
MW5D	19-Oct-04	Molybdenum	µg/L	5.73	0.31	avg=3.2, P99=6.2	X+
MW5D	24-Sep-04	Nitrogen,	mg/L	4.25	0.31	avg=0.35, P99=2.8	X+
MW5D	19-Oct-04	pH (Field)		9.63		avg=7.3, P99=9.9	X+
MW5D	18-Mar-05	pH (Field)		7.89		avg=7.3, P99=9.9	X+
MW5D	11-May-05	pH (Field)		9.01		avg=7.3, P99=9.9	X+
MW5D	24-Sep-04	pH (Field)		10.01		avg=7.3, P99=9.9	X+
MW5D	19-Oct-04	Selenium	µg/L	0.65	0.31	avg=0.22, P99=0.75	X+
MW5D	24-Sep-04	Selenium	µg/L	1.16	0.31	avg=0.22, P99=0.75	X+
MW5D	17-Aug-06	Silver	µg/L	0.0642	0.0062	avg=0.0092, P99=0.038	X+
MW5D	19-Oct-04	Sodium	µg/L	20400	1240	avg=12000, P99=22000	X+
MW5D	24-Sep-04	Sodium	µg/L	28600	1240	avg=12000, P99=22000	X+
MW5D	18-Mar-05	Tin	µg/L	0.32	0.0604	avg=0.078, P99=0.24	X+
MW5D	24-Sep-04	Vanadium	µg/L	7.85	0.25	avg=0.84, P99=4.6	X+
MW5D	19-Oct-04	Vanadium	µg/L	3.15	0.25	avg=0.84, P99=4.6	X+
MW5M	23-Mar-05	Aluminum	µg/L	626	0.0702	avg=85, P99=520	X+
MW5M	19-Oct-04	Antimony	µg/L	0.11	0.077	avg=0.035, P99=0.094	X+
MW5M	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.082, P99=0.61	X+
MW5M	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.082, P99=0.61	X+
MW5M	23-Mar-05	Chromium	µg/L	10.1	0.0713	avg=0.74, P99=4.9	X+
MW5M	23-Mar-05	Cobalt	µg/L	0.39	0.0095	avg=0.13, P99=0.36	X+
MW5M	19-Oct-04	Cobalt	µg/L	0.25	0.01	avg=0.13, P99=0.36	X+
MW5M	09-Nov-05	Dissolved	mg/L	6.28		avg=0.89, P99=4.1	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW5M	19-Oct-04	Hardness	mg/L	95.2	20	avg=130, P99=150	X+
MW5M	23-Mar-05	Iron	µg/L	588	2.65	avg=140, P99=610	X+
MW5M	23-Mar-05	Lead	µg/L	0.364	0.022	avg=0.087, P99=0.29	X+
MW5M	18-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.075, high ND value	X+
MW5M	11-May-05	Mercury	µg/L	<0.063	0.063	avg=0.016, P99=0.075, high ND value	X+
MW5M	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.075, high ND value	X+
MW5M	23-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.016, P99=0.075, high ND value	X+
MW5M	19-Oct-04	Mercury	µg/L	<0.04	0.04	avg=0.016, P99=0.075	X+
MW5M	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.075	X+
MW5M	23-Mar-05	Nickel	µg/L	5.1	0.0298	avg=1.1, P99=3.1	X+
MW5M	19-Oct-04	Nickel	µg/L	2.1	0.1	avg=1.1, P99=3.1	X+
MW5M	07-Sep-04	Nitrogen,	mg/L	0.53	0.31	avg=0.11, P99=0.47	X+
MW5M	18-Aug-05	Nitrogen,	mg/L	0.543	0.031	avg=0.11, P99=0.47	X+
MW5M	19-Oct-04	Silver	µg/L	0.0887	0.0062	avg=0.0063, P99=0.043	X+
MW5M	19-Oct-04	Sodium	µg/L	6750	1240	avg=9000, P99=11000	X+
MW5M	19-Oct-04	Sodium	µg/L	6980	1240	avg=9000, P99=11000	X+
MW5M	19-Oct-04	Thiocyanate	µg/L	0.61	0.059	avg=0.16, P99=0.39	X+
MW5M	07-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.13, P99=0.34	X+
MW5M	19-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.13, P99=0.34	X+
MW5M	23-Mar-05	Total	mg/L	0.599	0.0062	avg=0.084, P99=0.37	X+
MW5M	09-Nov-05	Total	mg/L	0.47	0.0033	avg=0.084, P99=0.37	X+
MW5M	23-Mar-05	Total	mg/L	9.4	0.15	avg=0.92, P99=5	X+
MW5M	23-Mar-05	Vanadium	µg/L	2.01	0.0094	avg=0.67, P99=1.8	X+
MW5M	07-Sep-04	Vanadium	µg/L	1.7	0.25	avg=0.67, P99=1.8	X+
MW5M	19-Oct-04	Vanadium	µg/L	1.66	0.02	avg=0.67, P99=1.8	X+
MW5S	19-Oct-04	Aluminum	µg/L	879	7.8	avg=270, P99=1200	X+
MW5S	18-Mar-05	Ammonia	mg/L	0.298	0.031	avg=0.059, P99=0.19	X+
MW5S	17-Aug-06	Antimony	µg/L	0.089	0.015	avg=0.034, P99=0.082	X+
MW5S	18-Aug-05	Arsenic	µg/L	3.04	0.25	avg=1.3, P99=3.5	X+
MW5S	07-Sep-04	Arsenic	µg/L	4.22	0.25	avg=1.3, P99=3.5	X+
MW5S	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.067, P99=0.55	X+
MW5S	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.067, P99=0.55	X+
MW5S	18-Aug-05	Chromium	µg/L	11.8	0.062	avg=9, P99=21	X+
MW5S	11-May-05	Chromium	µg/L	13.1	0.0713	avg=9, P99=21	X+
MW5S	09-Nov-05	Chromium	µg/L	9.63	0.062	avg=9, P99=21	X+
MW5S	18-Mar-05	Chromium	µg/L	13.3	0.0713	avg=9, P99=21	X+
MW5S	23-Mar-06	Chromium	µg/L	10.8	0.1	avg=9, P99=21	X+
MW5S	18-May-06	Chromium	µg/L	11.8	0.1	avg=9, P99=21	X+
MW5S	19-Oct-04	Chromium	µg/L	22.6	0.1	avg=9, P99=21	X+
MW5S	19-Oct-04	Dissolved	mg/L	15.19		avg=9, P99=14	X+
MW5S	07-Sep-04	Fluoride	mg/L	0.159	0.031	avg=0.072, P99=0.13	X+
MW5S	19-Oct-04	Iron	µg/L	914	6.2	avg=570, P99=2300	X+
MW5S	07-Sep-04	Iron	µg/L	1180	6.2	avg=570, P99=2300	X+
MW5S	18-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.018, P99=0.075, high ND value	X+
MW5S	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.018, P99=0.075, high ND value	X+
MW5S	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.018, P99=0.075, high ND value	X+
MW5S	18-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.018, P99=0.075, high ND value	X+
MW5S	11-May-05	Mercury	µg/L	<0.063	0.063	avg=0.018, P99=0.075, high ND value	X+
MW5S	19-Oct-04	Nickel	µg/L	15.3	0.062	avg=5.6, P99=14	X+
MW5S	07-Sep-04	Nitrogen,	mg/L	0.62	0.31	avg=0.085, P99=0.41	X+
MW5S	19-Oct-04	Nitrogen,	mg/L	<0.31	0.31	avg=0.097, P99=0.38, high ND value	X+
MW5S	07-Sep-04	Spec Cond	uS/cm	184		avg=0.091, P99=0.17	X+
MW5S	18-Mar-05	Tin	µg/L	0.25	0.0604	avg=0.063, P99=0.18	X+
MW5S	19-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.12, P99=0.28	X+
MW5S	07-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.12, P99=0.28	X+
MW5S	19-Oct-04	Vanadium	µg/L	1.84	0.25	avg=0.72, P99=2.7	X+
MW6D	07-Sep-04	Aluminum	µg/L	43	7.8	avg=5.4, P99=26	X+
MW6D	20-Aug-05	Antimony	µg/L	0.623	0.0031	avg=0.082, P99=0.4	X+
MW6D	21-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.1, P99=0.69	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW6D	07-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.1, P99=0.69	X+
MW6D	20-Aug-05	Chromium	µg/L	1.28	0.062	avg=0.48, P99=1.1	X+
MW6D	21-Oct-04	Cobalt	µg/L	0.05	0.01	avg=0.015, P99=0.039	X+
MW6D	07-Sep-04	Fluoride	mg/L	0.13	0.031	avg=0.034, P99=0.097	X+
MW6D	07-Sep-04	Manganese	µg/L	<1	0.5	avg=0.23, P99=0.88, high ND value	X+
MW6D	20-Mar-05	Manganese	µg/L	0.7	0.013	avg=0.23, P99=0.88	X+
MW6D	21-Oct-04	Manganese	µg/L	<1	0.5	avg=0.23, P99=0.88	X+
MW6D	20-Mar-05	Mercury	µg/L	<0.2	0.063	avg=0.037, P99=0.2, high ND value	X+
MW6D	21-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.037, P99=0.2	X+
MW6D	21-Oct-04	Molybdenum	µg/L	0.3	0.02	avg=0.2, P99=0.34	X+
MW6D	20-Mar-05	Molybdenum	µg/L	0.286	0.0338	avg=0.2, P99=0.34	X+
MW6D	21-Oct-04	Potassium	µg/L	<2000	30	High DL or MRL, avg=380, P99=700	X+
MW6D	07-Sep-04	Spec Cond	uS/cm	57		avg=0.039, P99=0.06	X+
MW6D	20-Mar-05	Thallium	µg/L	0.105	0.0043	avg=0.0097, P99=0.057	X+
MW6D	12-May-05	Total	mg/L	0.126	0.0022	avg=0.023, P99=0.076	X+
MW7D	06-Sep-04	Aluminum	µg/L	404	7.8	avg=19, P99=190	X+
MW7D	12-Mar-06	Antimony	µg/L	0.0832	0.015	avg=0.032, P99=0.079	X+
MW7D	06-Sep-04	Barium	µg/L	3.2	0.094	avg=0.68, P99=1.9	X+
MW7D	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.039, P99=0.37	X+
MW7D	21-Aug-05	Cadmium	µg/L	0.0488	0.0155	avg=0.011, P99=0.031	X+
MW7D	06-Sep-04	Cobalt	µg/L	0.114	0.031	avg=0.019, P99=0.067	X+
MW7D	06-Sep-04	Dissolved	mg/L	17.08		avg=13, P99=17	X+
MW7D	20-Oct-04	Dissolved	mg/L	15.35		avg=13, P99=17	X+
MW7D	06-Sep-04	Iron	µg/L	137	6.2	avg=14, P99=72	X+
MW7D	21-Aug-06	Lead	µg/L	0.433	0.031	avg=0.079, P99=0.29	X+
MW7D	06-Sep-04	Manganese	µg/L	5.75	0.5	avg=0.55, P99=3	X+
MW7D	20-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.027, P99=0.13, high ND value	X+
MW7D	12-Mar-06	Molybdenum	µg/L	0.403	0.015	avg=0.15, P99=0.33	X+
MW7D	30-Oct-06	Potassium	µg/L	<2000	50	High DL or MRL, avg=430, P99=810	X+
MW7D	21-Aug-05	Potassium	µg/L	<2000	40	High DL or MRL, avg=430, P99=810	X+
MW7D	06-Sep-04	Sulfate	mg/L	1.94	0.031	avg=0.97, P99=2.2	X+
MW7D	17-Mar-05	Sulfate	mg/L	2.67	0.031	avg=0.97, P99=2.2	X+
MW7S	20-Oct-04	Aluminum	µg/L	51.4	7.8	avg=68, P99=360	X+
MW7S	24-Sep-04	Aluminum	µg/L	130	7.8	avg=68, P99=360	X+
MW7S	17-Mar-05	Aluminum	µg/L	93.4	0.9	avg=68, P99=360	X+
MW7S	17-Mar-05	Aluminum	µg/L	493	0.0702	avg=68, P99=360	X+
MW7S	17-Mar-05	Aluminum	µg/L	272	0.0702	avg=68, P99=360	X+
MW7S	17-Mar-05	Antimony	µg/L	0.0573	0.0081	avg=0.032, P99=0.081	X+
MW7S	17-Mar-05	Antimony	µg/L	0.0547	0.0081	avg=0.032, P99=0.081	X+
MW7S	17-Mar-05	Barium	µg/L	4.9	0.036	avg=1.5, P99=4	X+
MW7S	17-Mar-05	Barium	µg/L	3.53	0.036	avg=1.5, P99=4	X+
MW7S	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.088, P99=0.63	X+
MW7S	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.088, P99=0.63	X+
MW7S	17-Mar-05	Boron	µg/L	7.02	0.198	avg=2.6, P99=5.5	X+
MW7S	17-Mar-05	Cobalt	µg/L	0.087	0.004	avg=0.055, P99=0.16	X+
MW7S	17-Mar-05	Cobalt	µg/L	0.187	0.0095	avg=0.055, P99=0.16	X+
MW7S	17-Mar-05	Cobalt	µg/L	0.133	0.0095	avg=0.055, P99=0.16	X+
MW7S	17-Mar-05	Iron	µg/L	326	2.65	avg=60, P99=250	X+
MW7S	17-Mar-05	Iron	µg/L	206	2.65	avg=59, P99=250	X+
MW7S	12-Mar-06	Lead	µg/L	2.42	0.026	avg=0.23, P99=1.6	X+
MW7S	17-Mar-05	Manganese	µg/L	2.46	0.02	avg=1.7, P99=6.6	X+
MW7S	17-Mar-05	Manganese	µg/L	4.81	0.013	avg=1.7, P99=6.6	X+
MW7S	17-Mar-05	Manganese	µg/L	7.74	0.013	avg=1.7, P99=6.6	X+
MW7S	24-Sep-04	Manganese	µg/L	3.02	0.5	avg=1.7, P99=6.6	X+
MW7S	17-Mar-05	Mercury	µg/L	<0.2	0.04	avg=0.042, P99=0.19	X+
MW7S	20-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.042, P99=0.19, high ND value	X+
MW7S	20-Oct-04	Nitrogen,	mg/L	0.86	0.31	avg=0.17, P99=0.69	X+
MW7S	24-Sep-04	Nitrogen,	mg/L	0.61	0.31	avg=0.17, P99=0.69	X+
MW7S	30-Oct-06	Potassium	µg/L	<2000	50	High DL or MRL, avg=370, P99=750	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW7S	24-Sep-04	Sulfate	mg/L	4.6	0.031	avg=1.8, P99=12	X+
MW7S	20-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0095, P99=0.024, high ND value	X+
MW7S	24-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0095, P99=0.024, high ND value	X+
MW7S	17-Mar-05	Tin	µg/L	0.309	0.0604	avg=0.088, P99=0.27	X+
MW7S	17-Mar-05	Total	mg/L	0.163	0.0031	avg=0.062, P99=0.15	X+
MW7S	17-Mar-05	Total	mg/L	0.15	0.0031	avg=0.062, P99=0.15	X+
MW8D	19-Oct-04	Antimony	µg/L	0.0895	0.077	avg=0.044, P99=0.084	X+
MW8D	06-Sep-04	Antimony	µg/L	0.0812	0.077	avg=0.044, P99=0.084	X+
MW8D	20-Aug-05	Barium	µg/L	9.25	0.062	avg=2.8, P99=6.1	X+
MW8D	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.043, P99=0.4	X+
MW8D	06-Sep-04	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.9, P99=4	X+
MW8D	12-May-05	Calcium	µg/L	14700	79.1	avg=13000, P99=15000	X+
MW8D	06-Sep-04	Iron	µg/L	105	6.2	avg=26, P99=78	X+
MW8D	20-Aug-06	Lead	µg/L	0.363	0.031	avg=0.043, P99=0.21	X+
MW8D	06-Sep-04	Manganese	µg/L	1.14	0.5	avg=0.32, P99=0.96	X+
MW8D	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.079, high ND value	X+
MW8D	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.079, high ND value	X+
MW8D	06-Sep-04	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.079, high ND value	X+
MW8D	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.016, P99=0.079, high ND value	X+
MW8D	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.016, P99=0.079, high ND value	X+
MW8D	19-Oct-04	Nitrogen,	mg/L	2.43	0.31	avg=0.2, P99=1.4	X+
MW8D	20-Aug-05	Silver	µg/L	0.073	0.0062	avg=0.0085, P99=0.041	X+
MW8D	19-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0095, P99=0.022, high ND value	X+
MW8D	06-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0095, P99=0.022, high ND value	X+
MW8D	19-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29	X+
MW8D	06-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29	X+
MW8M	20-May-06	Aluminum	µg/L	61.9	0.62	avg=6.3, P99=35	X+
MW8M	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.044, P99=0.4	X+
MW8M	06-Sep-04	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.5, P99=3.4	X+
MW8M	06-Sep-04	Cobalt	µg/L	<0.1	0.031	High DL or MRL, avg=0.016, P99=0.043	X+
MW8M	06-Sep-04	Fluoride	mg/L	0.144	0.031	avg=0.041, P99=0.11	X+
MW8M	06-Sep-04	Iron	µg/L	43.9	6.2	avg=15, P99=40	X+
MW8M	06-Sep-04	Manganese	µg/L	1.21	0.5	avg=0.27, P99=0.95	X+
MW8M	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.022, P99=0.09, high ND value	X+
MW8M	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.022, P99=0.09, high ND value	X+
MW8M	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.022, P99=0.09, high ND value	X+
MW8M	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.022, P99=0.09, high ND value	X+
MW8M	06-Sep-04	Mercury	µg/L	<0.062	0.062	avg=0.022, P99=0.09, high ND value	X+
MW8M	15-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.022, P99=0.09, high ND value	X+
MW8M	19-Oct-04	Molybdenum	µg/L	<0.31	0.31	avg=0.1, P99=0.27, high ND value	X+
MW8M	06-Sep-04	Molybdenum	µg/L	<0.31	0.31	avg=0.1, P99=0.27, high ND value	X+
MW8M	20-May-06	Nitrogen,	mg/L	0.366	0.031	avg=0.12, P99=0.36	X+
MW8M	20-May-06	Silver	µg/L	0.0614	0.0062	avg=0.0081, P99=0.035	X+
MW8M	19-Oct-04	Sulfate	mg/L	2.63	0.031	avg=1.2, P99=2.1	X+
MW8M	06-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0097, P99=0.022, high ND value	X+
MW8M	19-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0097, P99=0.022, high ND value	X+
MW8M	15-Mar-05	Tin	µg/L	0.266	0.0604	avg=0.061, P99=0.19	X+
MW8S	19-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.042, P99=0.39	X+
MW8S	06-Sep-04	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.7, P99=4.1	X+
MW8S	06-Sep-04	Boron	µg/L	<10	3.1	High DL or MRL, avg=1.7, P99=4.1	X+
MW8S	25-Oct-06	Cadmium	µg/L	<0.037	0.037	avg=0.018, P99=0.039, high ND value	X+
MW8S	20-Aug-06	Cadmium	µg/L	<0.037	0.037	avg=0.018, P99=0.039, high ND value	X+
MW8S	19-Oct-04	Cadmium	µg/L	<0.031	0.031	avg=0.018, P99=0.039, high ND value	X+
MW8S	06-Sep-04	Cadmium	µg/L	<0.031	0.031	avg=0.018, P99=0.039	X+
MW8S	06-Sep-04	Fluoride	mg/L	0.127	0.031	avg=0.033, P99=0.095	X+
MW8S	12-May-05	Manganese	µg/L	6.06	0.01	avg=1.8, P99=6.3	X+
MW8S	12-May-05	Manganese	µg/L	6.74	0.359	avg=1.8, P99=6.3	X+
MW8S	19-Oct-04	Manganese	µg/L	4.46	0.5	avg=1.8, P99=6.3	X+
MW8S	12-May-05	Manganese	µg/L	6.33	0.013	avg=1.8, P99=6.3	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
MW8S	19-Oct-04	Mercury	µg/L	<0.062	0.062	avg=0.023, P99=0.091, high ND value	X+
MW8S	06-Sep-04	Mercury	µg/L	<0.04	0.04	avg=0.023, P99=0.091	X+
MW8S	06-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.023, P99=0.091, high ND value	X+
MW8S	06-Sep-04	Mercury	µg/L	<0.062	0.062	avg=0.023, P99=0.091, high ND value	X+
MW8S	20-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.023, P99=0.091, high ND value	X+
MW8S	12-May-05	Mercury	µg/L	<0.063	0.063	avg=0.023, P99=0.091	X+
MW8S	12-May-05	Mercury	µg/L	<0.05	0.05	avg=0.023, P99=0.091	X+
MW8S	19-Oct-04	Molybdenum	µg/L	<0.31	0.31	avg=0.073, P99=0.28, high ND value	X+
MW8S	06-Sep-04	Molybdenum	µg/L	<0.31	0.31	avg=0.073, P99=0.28	X+
MW8S	20-Aug-06	Sulfate	mg/L	4.88	0.031	avg=1.4, P99=3.7	X+
MW8S	06-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.0095, P99=0.024, high ND value	X+
MW8S	19-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.0095, P99=0.024, high ND value	X+
MW8S	15-Mar-05	Tin	µg/L	0.303	0.0604	avg=0.085, P99=0.27	X+
MW8S	12-May-05	Total	mg/L	0.202	0.0022	avg=0.026, P99=0.12	X+
MW9D	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.1, P99=0.71	X+
MW9D	20-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.05, P99=0.2, high ND value	X+
MW9D	06-Sep-04	Nitrogen,	mg/L	<0.31	0.31	avg=0.15, P99=0.4, high ND value	X+
MW9D	20-Oct-04	Nitrogen,	mg/L	<0.31	0.31	avg=0.15, P99=0.4, high ND value	X+
MW9D	06-Sep-04	Thallium	µg/L	<0.025	0.025	avg=0.012, P99=0.03, high ND value	X+
MW9D	20-Oct-04	Thallium	µg/L	<0.025	0.025	avg=0.012, P99=0.03, high ND value	X+
P0637D	04-Nov-06	Ammonia	mg/L	0.733	0.031	avg=0.1, P99=0.59	X+
P0637D	27-Aug-08	Dissolved	mg/L	4.33		avg=0.77, P99=3.3	X+
P0637D	04-Nov-06	Lead	µg/L	1.53	0.031	avg=0.12, P99=0.92	X+
P0637D	19-Oct-08	Mercury	µg/L	0.00375	0.0015	avg=0.0013, P99=0.0032	X+
P0637D	04-Nov-06	ORP (Field)	mV	135.3		avg=-54, P99=100	X+
P0637D	19-Oct-08	Selenium	µg/L	<0.4	0.4	avg=0.16, P99=0.18, high ND value	X+
P0637D	19-Oct-08	Total	mg/L	0.09	0.004	avg=0.015, P99=0.061	X+
P0637M	03-Nov-06	Aluminum	µg/L	152	0.62	avg=11, P99=91	X+
P0637M	03-Nov-06	Beryllium	µg/L	0.043	0.025	avg=0.026, P99=0.036	X+
P0637M	03-Nov-06	Cadmium	µg/L	<0.037	0.037	avg=0.016, P99=0.029, high ND value	X+
P0637M	19-Oct-08	Calcium	µg/L	15600	15	avg=11000, P99=14000	X+
P0637M	03-Nov-06	Chromium	µg/L	2.58	0.1	avg=0.71, P99=2.4	X+
P0637M	19-Oct-08	Chromium	µg/L	2.7	0.1	avg=0.71, P99=2.4	X+
P0637M	19-Oct-08	Cobalt	µg/L	0.0724	0.01	avg=0.042, P99=0.13	X+
P0637M	03-Nov-06	Cobalt	µg/L	0.185	0.013	avg=0.042, P99=0.13	X+
P0637M	23-Mar-07	Copper	µg/L	3.22	0.05	avg=1.2, P99=2.7	X+
P0637M	19-Oct-08	Hardness	mg/L	51.9	1	avg=42, P99=49	X+
P0637M	03-Nov-06	Iron	µg/L	130	6.2	avg=34, P99=110	X+
P0637M	03-Nov-06	Lead	µg/L	1.2	0.031	avg=0.16, P99=0.77	X+
P0637M	23-Mar-07	Manganese	µg/L	5.11	0.015	avg=2.9, P99=7.3	X+
P0637M	03-Nov-06	Manganese	µg/L	8.76	0.025	avg=2.9, P99=7.3	X+
P0637M	19-Oct-08	Manganese	µg/L	5.77	0.015	avg=2.9, P99=7.3	X+
P0637M	17-Nov-07	Mercury	µg/L	<0.005	0.0003	avg=0.0014, P99=0.0037, high ND value	X+
P0637M	19-Oct-08	Nickel	µg/L	2.02	0.062	avg=0.73, P99=1.8	X+
P0637M	25-Mar-08	Nitrogen,	mg/L	0.676	0.031	avg=0.12, P99=0.55	X+
P0637M	19-Oct-08	Potassium	µg/L	517	15	avg=210, P99=380	X+
P0637M	19-Oct-08	Silver	µg/L	<0.009	0.009	avg=0.0063, P99=0.0078	X+
P0637M	19-Oct-08	Total	mg/L	0.17	0.004	avg=0.029, P99=0.14	X+
P0637M	20-Aug-07	Zinc	µg/L	8.5	0.31	avg=2.9, P99=6.6	X+
P0637S	19-Oct-08	Antimony	µg/L	0.169	0.015	avg=0.04, P99=0.12	X+
P0637S	24-Mar-08	Bismuth	µg/L	<0.1	0.1	High DL or MRL, avg=0.0097, P99=0.032	X+
P0637S	24-Mar-08	Boron	µg/L	1.3	0.2	avg=1.3, P99=1.3	X+
P0637S	03-Nov-06	Cadmium	µg/L	<0.037	0.037	avg=0.016, P99=0.028, high ND value	X+
P0637S	20-Aug-07	FeII Field	mg/L	0.68		avg=0.13, P99=0.61	X+
P0637S	17-Nov-07	Mercury	µg/L	<0.005	0.0003	avg=0.0014, P99=0.0037, high ND value	X+
P0637S	19-Oct-08	Molybdenum	µg/L	1.19	0.015	avg=0.2, P99=0.77	X+
P0637S	25-May-08	Nitrogen,	mg/L	0.274	0.031	avg=0.098, P99=0.25	X+
P0637S	25-May-08	Sulfate	mg/L	2.89	0.031	avg=1.4, P99=2.7	X+
P0637S	25-May-08	Total	mg/L	0.0868	0.0031	avg=0.026, P99=0.064	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
P4S	09-Mar-06	Alkalinity	mg/L	88	6.2	avg=33, P99=68	X+
P4S	08-Nov-05	Aluminum	µg/L	106	0.62	avg=16, P99=77	X+
P4S	19-Aug-06	Arsenic	µg/L	0.55	0.31	avg=0.41, P99=0.79	X+
P4S	19-Aug-06	Arsenic	µg/L	0.59	0.05	avg=0.41, P99=0.79	X+
P4S	19-Aug-06	Arsenic	µg/L	0.653	0.31	avg=0.41, P99=0.79	X+
P4S	08-Nov-05	Arsenic	µg/L	0.605	0.25	avg=0.41, P99=0.79	X+
P4S	09-Mar-06	Arsenic	µg/L	0.8	0.31	avg=0.41, P99=0.79	X+
P4S	09-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.017, P99=0.038, high ND value	X+
P4S	09-Mar-06	Chromium	µg/L	6.39	0.1	avg=1.9, P99=4.9	X+
P4S	08-Nov-05	Cobalt	µg/L	0.271	0.0031	avg=6200, P99=8800	X+
P4S	08-Nov-05	Iron	µg/L	161	6.2	avg=51, P99=150	X+
P4S	08-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0051, P99=0.039, high ND value	X+
P4S	13-May-07	Nitrogen,	mg/L	0.235	0.031	avg=0.083, P99=0.2	X+
P4S	19-Aug-06	Total	mg/L	246	5	avg=130, P99=230	X+
P4S	19-Aug-06	Total	mg/L	0.08	0.003	avg=0.048, P99=0.086	X+
PQ4	09-Nov-05	Alkalinity	mg/L	25	3.1	avg=4.5, P99=17	X+
PQ4	09-Nov-05	Aluminum	µg/L	1370	0.62	avg=250, P99=940	X+
PQ4	09-Nov-05	Beryllium	µg/L	0.0878	0.015	avg=0.042, P99=0.08	X+
PQ4	09-Mar-06	Bismuth	µg/L	<0.05	0.015	avg=0.018, P99=0.04, high ND value	X+
PQ4	12-May-07	Chromium	µg/L	3.65	0.1	avg=0.98, P99=2.9	X+
PQ4	19-May-06	Copper	µg/L	97.5	0.03	avg=920, P99=1700	X+
PQ4	09-Nov-05	Iron	µg/L	1670	6.2	avg=690, P99=1400	X+
PQ4	09-Nov-05	Lead	µg/L	0.941	0.031	avg=0.21, P99=0.87	X+
PQ4	09-Mar-06	Lead	µg/L	0.958	0.026	avg=0.21, P99=0.87	X+
PQ4	09-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0051, P99=0.039, high ND value	X+
PQ4	09-Nov-05	Nickel	µg/L	2.89	0.031	avg=2.2, P99=2.8	X+
PQ4	12-May-07	Nitrogen,	mg/L	0.371	0.031	avg=0.079, P99=0.28	X+
PQ4	16-Mar-07	Silver	µg/L	0.704	0.062	avg=0.05, P99=0.44	X+
PQ4	09-Nov-05	Total	mg/L	0.56	0.0033	avg=0.15, P99=0.42	X+
PQ4	09-Nov-05	Vanadium	µg/L	1.73	0.2	avg=0.58, P99=1.4	X+
SRK2	19-Aug-05	Antimony	µg/L	0.154	0.0031	avg=0.043, P99=0.11	X+
SRK2	19-Aug-05	Manganese	µg/L	109	0.062	avg=86, P99=110	X+
SRK2	23-Mar-05	Manganese	µg/L	102	0.02	avg=86, P99=110	X+
SRK2	15-May-05	Mercury	µg/L	<0.05	0.05	avg=0.022, P99=0.089	X+
SRK2	19-Aug-05	Mercury	µg/L	<0.062	0.062	avg=0.022, P99=0.089, high ND value	X+
SRK2	15-May-05	Mercury	µg/L	<0.063	0.063	avg=0.022, P99=0.089	X+
SRK2	23-Mar-05	Mercury	µg/L	0.06	0.04	avg=0.022, P99=0.089	X+
SRK2	07-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.022, P99=0.089, high ND value	X+
SRK2	23-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.022, P99=0.089	X+
SRK2	23-Mar-05	Mercury	µg/L	<0.063	0.063	avg=0.022, P99=0.089	X+
SRK2	15-May-05	Mercury	µg/L	<0.063	0.063	avg=0.022, P99=0.089	X+
SRK2	26-Oct-06	Silver	µg/L	0.0384	0.0062	avg=0.0082, P99=0.026	X+
SRK2	09-Mar-06	Sulfate	mg/L	19.2	0.031	avg=17, P99=21	X+
SRK2	23-Mar-05	Total	mg/L	0.114	0.0031	avg=0.035, P99=0.12	X+
SRK2	23-Mar-05	Total	mg/L	0.123	0.0034	avg=0.035, P99=0.12	X+
SRK3	20-May-06	Antimony	µg/L	0.048	0.015	avg=0.022, P99=0.064	X+
SRK3	09-Mar-06	Antimony	µg/L	0.0838	0.015	avg=0.022, P99=0.064	X+
SRK3	09-Mar-06	Bismuth	µg/L	0.075	0.015	avg=0.011, P99=0.05	X+
SRK3	09-Mar-06	Boron	µg/L	7.31	1.5	avg=4.9, P99=7.8	X+
SRK3	08-Nov-05	Boron	µg/L	8	3.1	avg=4.9, P99=7.8	X+
SRK3	19-Aug-07	Copper	µg/L	2.36	0.05	avg=0.47, P99=1.7	X+
SRK3	26-Oct-06	FeII Field	mg/L	0.53		avg=0.17, P99=0.48	X+
SRK3	09-Mar-06	Lead	µg/L	6.62	0.026	avg=0.51, P99=4.2	X+
SRK3	09-Mar-06	Magnesium	µg/L	26700	62	avg=21000, P99=25000	X+
SRK3	08-Nov-05	Mercury	µg/L	<0.062	0.062	avg=0.0051, P99=0.039, high ND value	X+
SRK3	09-Mar-06	Molybdenum	µg/L	3.18	0.015	avg=0.83, P99=2.2	X+
SRK3	20-May-06	Nitrogen,	mg/L	0.338	0.031	avg=0.072, P99=0.25	X+
SRK5D	24-Sep-04	Aluminum	µg/L	<500	156	High DL or MRL, avg=46, P99=280	X+
SRK5D	24-Sep-04	Antimony	µg/L	<0.077	0.077	avg=0.034, P99=0.085, high ND value	X+

Table 9.2C-6
List of Outliers and Documented Elevated Values, Total Concentrations

StationID	Date	Parameter	Unit	Result	MDL	Comment	Flag
SRK5D	24-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.13, P99=0.84	X+
SRK5M	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.077, P99=0.58	X+
SRK5M	25-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.077, P99=0.58	X+
SRK5M	20-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.024, P99=0.13, high ND value	X+
SRK5M	27-Oct-06	Potassium	µg/L	<2000	50	High DL or MRL, avg=510, P99=880	X+
SRK5M	25-Sep-04	Sulfate	mg/L	27.3	0.031	avg=14, P99=29	X+
SRK5M	20-Oct-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29, high ND value	X+
SRK5M	25-Sep-04	Tin	µg/L	<0.31	0.31	avg=0.11, P99=0.29, high ND value	X+
SRK5S	25-Sep-04	Antimony	µg/L	0.122	0.077	avg=0.031, P99=0.092	X+
SRK5S	20-Oct-04	Antimony	µg/L	<0.077	0.077	avg=0.031, P99=0.092	X+
SRK5S	25-Sep-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.095, P99=0.66	X+
SRK5S	20-Oct-04	Bismuth	µg/L	<1.5	1.5	High DL or MRL, avg=0.095, P99=0.66	X+
SRK5S	25-Sep-04	Boron	µg/L	3.3	3.1	avg=1.4, P99=2.5	X+
SRK5S	25-Sep-04	Cadmium	µg/L	0.0794	0.031	avg=0.012, P99=0.046	X+
SRK5S	25-Sep-04	FeII Field	mg/L	1.5		avg=0.15, P99=1.1	X+
SRK5S	25-Sep-04	Manganese	µg/L	11.7	0.5	avg=3.2, P99=9.4	X+
SRK5S	20-Oct-04	Mercury	µg/L	<0.2	0.062	avg=0.03, P99=0.16	X+
SRK5S	18-Aug-05	Nitrogen,	mg/L	6.53	0.031	avg=0.78, P99=3.6	X+
SRK5S	20-Oct-04	Potassium	µg/L	<2000	30	High DL or MRL, avg=310, P99=800	X+
SRK5S	27-Oct-06	Potassium	µg/L	<2000	50	High DL or MRL, avg=310, P99=800	X+
SRK5S	20-Oct-04	Silver	µg/L	0.0752	0.0062	avg=0.0094, P99=0.041	X+
SRK5S	18-Mar-05	Total	mg/L	0.0414	0.0031	avg=0.015, P99=0.041	X+

APPENDIX 9.2D

Ratio to Criteria for Laboratory Analytes for Individual Samples at each Groundwater Well, Mine Study Area 2004-2008

APPENDIX 9.2D
RATIO TO CRITERIA FOR LABORATORY ANALYTES FOR INDIVIDUAL SAMPLES AT EACH GROUNDWATER WELL, MINE STUDY AREA (2004-2008)

Appendix 9.2D Ratio to Criteria for Individual Samples at Each Groundwater Well, Mine Study Area (2004-2008)

Table of Contents

Ratios for Dissolved Concentrations (Filtered) for Parameters Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Mo at the Following Wells:

KPP4, MW10 1
MW11D, MW11M 2
MW11S, MW11SS 3
MW12D, MW12S 4
MW13D, MW13S 5
MW14D, MW14S 6
MW1D, MW1M, ... 7
MW1S, MW2D 8
MW3D, MW5D 9
MW5M, MW5S, ... 10
MW6D, MW7D, ... 11
MW7S, MW8D 12
MW8S, MW8M 13
MW9D,P0637D, P0637M 14
P0637S, P0638D, P0638M, P4S 15
PQ4, SRK2 16
SRK3, SRK5D 17
SRK5M, SRK5S 18

Ratios for Dissolved Concentrations (Filtered) for Parameters Ni, Se, Ag, Tl, V, Zn, Alkalinity, Cl, SO4, Pb, F, WAD CN, NH3, NO2, NO3 at the Following Wells:

KPP4, MW10 19
MW11D, MW11M 20
MW11S, MW11SS, MW12D 21
MW12S, MW13D, MW13S 22
MW14D, MW14S, MW1D 23
MW1M, MW1S 24
MW2D, MW3D 25
MW5D, MW5M 26
MW5S, MW6D 27
MW7D, MW7S 28
MW8D, MW8M 29
MW8S, MW9D, P0637D 30
P0637M, P0637S, P0638D, P0638M, P4S 31

PQ4, SRK2, SRK3 32
SRK5D, SRK5M 33
SRK5S 34

Ratios for Total Concentrations (Unfiltered) for Parameters Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb at the Following Wells:

KPP4, MW10 35
MW11D, MW11M 36
MW11S, MW11SS, MW12D 37
MW12S MW13D 38
MW13S MW14D, ... 39
MW14S, MW1D 40
MW1M, MW1S 41
MW2D, MW3D 42
MW5D, MW5M 43
MW5S, MW6D 44
MW7D, MW7S 45
MW8D, MW8M 46
MW8S, MW9D, ... 47
P0637D, P0637M, P0637S, P0638D, P0638M 48
P4S, PQ4, PW0810 49
PW089PT, SRK3 50
SRK5D, SRK5M 51
SRK5S 52

Ratios for Total Concentrations (Unfiltered) for Parameters Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn at the Following Wells:

KPP4, MW10 53
MW11D, MW11M, ... 54
MW11S, MW11SS, MW12D 55
MW12S, MW13D 56
MW13S, MW14D 57
MW14S, MW1D 58
MW1M, MW1S 59
MW2D, MW3D 60
MW5D, MW5M 61
MW5S, MW6D 62
MW7D, MW7S 63
MW8D, MW8M 64
MW8S, MW9D 65
P0637D, P0637M, P0637S, P0638D, P0638M 66
P4S, PQ4, PW0810 67
PW089PT, SRK3 68
SRK5D, SRK5M 69
SRK5S 70

Abbreviations

1.	Ratio to Criteria	is the ratio of the sampled value divided by the water quality standard value.
2.	0.5	Ratio of detected value to criterion, black colour indicates that the detected values did not exceed the lowest criterion
3.	1.4	Ratio of detected value to criterion, red colour indicates that the detected values exceeded the lowest criterion
4.	-0.002	Ratio of non-detected value (0.5 x MDL) to the criterion, negative sign indicates non-detect
5.	-1.2	Ratio of non-detected value (0.5 x MDL) to the criterion, negative sign indicates non-detect, blue colour indicates that the (0.5 x MDL) exceeded the minimum criterion
6.	<empty>	Value was not measured or was flagged as an outlier
7.	ADEC	= Alaska Department of Environmental Conservation
8.	NFK	= North Fork Koktuli
9.	SFK	= South Fork Koktuli
10.	UT	= Upper Talarik
11.	µg/L	= micrograms per liter

Dissolved (Filtered)																	
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
KPP4	SFK	Overburden	1,406,227	2,155,596	22-Mar-05		0.0058	0.033		-4E-04	-0.031	0.017	0.037	0.0029		0.06		
					14-May-05	0.025	0.014	0.037	0.0062	-4E-04	-0.031	0.077	0.043	0.011		0.27		0.041
					19-Aug-05	0.038	0.005	-0.025	0.005	-0.002	-0.078	0.039	0.072	0.013		0.13		0.024
					7-Nov-05	0.036	0.0051	0.043	0.0054	-0.002	-0.078	0.041	0.061	0.011		-0.029	-0.62	0.031
					9-Mar-06	-0.011	0.0044	-0.015	0.0054	-0.003	-0.12	0.045	0.062	-0.01	0.016	-0.024	-0.01	0.022
					19-May-06	0.026	0.0081	-0.015	0.0054	-0.003	-0.12	0.03	0.06	0.0066	0.011	0.049	-0.01	0.025
					19-Aug-06	-0.011	0.0065	-0.015	0.0055	-0.003	-0.19	0.041	0.08	-0.003	0.0099	-0.093	-0.01	0.024
					26-Oct-06	0.039	-0.005	-0.015	0.0057	-0.003	-0.19	0.11	0.085	0.023	0.011	-0.093	-0.01	0.043
					15-Mar-07		-0.005	0.032	0.0048	-0.003	-0.075	0.037	0.14	0.053	0.023	-0.093	-0.01	
					13-May-07	0.029	0.0047	-0.015	0.0055	-0.003	-0.075	0.029	**1.1**	0.038	0.0088	-0.093	-0.01	0.026
					17-Aug-07	-0.011	0.0045	0.036	0.0049	-0.003	-0.075	0.028	**2.2**	-0.01	0.005	-0.029	-0.01	0.024
					9-Nov-07	-0.011	0.005	-0.015	0.0058	-0.003	-0.075	0.063	0.9	0.044	0.0053	-0.029	-0.01	0.034
					26-Mar-08	0.017	0.0042	-0.015	0.0053	-0.003	-0.075	0.021	0.82	0.065	0.0047	-0.029	-0.015	0.024
					21-May-08	-0.011	0.0028	-0.015	0.005	-0.003	-0.075	0.02	**1.4**	0.048	0.0045	-0.029	-0.015	0.024
					26-Aug-08	-0.011	0.0034	-0.015	0.0048	-0.003	-0.075	0.017	**1.3**	0.048	0.0044	-0.029	-0.015	0.024
					20-Oct-08	0.022	-0.005	0.037	0.0049	-0.003	-0.075	0.034	**1.1**	0.033	0.0042	-0.029	-0.015	0.028
MW10	NFK	Bedrock	1,382,991	2,165,430	21-Oct-04		-0.007	-0.025	0.0014	-0.002	-0.16	0.017	0.22	-0.003		0.25		-0.015
					20-Mar-05	0.0094	0.0037	0.036	0.0015	-4E-04	-0.031	0.0071	0.13	-0.001	0.0023	0.064		0.026
					12-May-05	0.026	0.005	0.038	0.0014	-4E-04	-0.031	-0.002	0.11	-0.001	0.0026	-0.065		0.018
					20-Aug-05	-0.011	0.0047	0.063	0.0012	-0.002	-0.078	0.012		-0.003	-0.002	0.23		0.022
					6-Nov-05	-0.011	-9E-04	-0.013	0.0012	-0.002	-0.078	0.013	0.16	-0.003	-0.002	0.22		0.0079
					12-Mar-06	-0.011	0.005	0.035	0.0015	-0.003	-0.12		0.18	-0.01	0.0021		-0.01	0.013
					23-May-06	-0.011	0.0047	-0.015	0.0013	-0.003	-0.12	0.015	0.15	-0.003	0.002		-0.01	0.01
					20-Aug-06	-0.011	0.0037	0.055	0.0014	-0.003	-0.19	0.015	0.19	-0.003	0.002	0.19	-0.01	0.015
					29-Oct-06	-0.011	-0.001	0.045	0.0013	-0.003	-0.19	-0.002	0.18	-0.01	0.0015	-0.093	-0.01	0.016
					18-Mar-07	-0.011	-0.005	0.035	0.0012	-0.003	-0.075	-0.004	0.14	-0.003	0.0012	-0.093	-0.01	0.017
					14-May-07	-0.011	0.004	-0.015	0.0012	-0.003	-0.075	0.013	0.15	-0.01	0.0019	-0.093	-0.01	0.015
					23-Aug-07	-0.011	0.0042	-0.015	0.0014	-0.003	-0.075	0.011	0.18	-0.003	0.002	-0.093	-0.01	0.018
					15-Nov-07	-0.011	0.004	-0.015	0.0014	-0.003	-0.075	0.017	0.14	0.0072	-5E-04	-0.029	0.019	0.018
					22-Mar-08	0.014	0.0039	0.033	0.0012	-0.003	-0.075	0.015	0.14	0.019	0.001	-0.029	-0.015	0.016
					19-May-08	-0.011	0.0027	0.047	0.0012	-0.003	-0.075	0.013	0.13	0.017	0.0013	-0.029	-0.015	0.016
					25-Aug-08	-0.011	-0.001	-0.015	0.0012	-0.003	-0.075	0.0093	0.13	0.021	0.0016	-0.029	-0.015	0.016
					17-Oct-08	0.015	-0.001	-0.015	0.0012	-0.003	-0.075	0.013	0.15	0.016	0.0011	-0.029	0.032	0.013

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW11D	SFK	Overburden	1,398,347	2,126,294	21-Oct-04		-0.007	-0.025	0.002	-0.002	-0.16	0.0065	-0.037	-0.003	-0.005	-0.093		-0.015
					21-Mar-05	0.0098	0.0049	0.027	0.0022	-4E-04	-0.031	0.011	0.043	0.0027	0.0059	0.086		0.03
					13-May-05	0.022	0.006	0.029	0.0022	-4E-04	-0.031	-0.002	0.03	0.0032	0.0045	-0.065		0.024
					16-Aug-05	0.035		-0.013	0.0019	-0.002	-0.078	-0.001	0.077	0.0073	0.0056	0.2		
					10-Nov-05	-0.011	0.0039	-0.013	0.0019	-0.002	-0.078	0.019	0.084		0.0064	-0.093		0.016
					22-Mar-06	-0.011	0.0049	-0.015	0.0023	-0.003	-0.12	0.018	0.11	-0.003	0.0045	-0.024	-0.01	0.014
					21-May-06	-0.011	0.006		0.0022	-0.003	-0.12	0.028	0.071	-0.003	0.0052	0.12	0.026	
					21-Aug-06	0.04	0.0063	-0.015	0.0022	-0.003	-0.19	0.016	0.14	-0.003	0.0055		-0.01	0.016
					1-Nov-06	-0.011	-0.001	-0.015	0.0019	-0.003	-0.19	-0.002	0.06	-0.003	0.0018	-0.029	-0.01	0.018
					22-Mar-07		-0.005	-0.015	0.0021	-0.003	-0.075	-0.004		-0.01		-0.093	-0.01	0.023
					10-May-07	-0.011	0.0056	0.036	0.002	-0.003	-0.075	0.0088	0.05	-0.003	0.003	-0.029	-0.01	0.027
					21-Aug-07	-0.011	0.0056	0.034	0.002	-0.003	-0.075	0.016	0.052	-0.003	0.0035	-0.029	-0.01	0.028
					11-Nov-07	-0.004	0.0064	-0.015	0.0019	-0.003	0.16	0.025	0.089	0.0075	0.0029	-0.029	-0.01	0.023
					20-Mar-08	0.011	0.005	-0.015	0.0018	-0.003	-0.075	0.014	0.12	0.021	0.0028	0.084	-0.015	0.021
					18-May-08	-0.011	0.0037	-0.015	0.0018	-0.003	-0.075	0.019	0.041	0.016		-0.029	-0.015	0.023
					24-Aug-08	-0.011	0.0055	-0.015	0.0019	-0.003	-0.075	0.027	0.097	0.02	0.0042	0.097	-0.015	0.024
					22-Oct-08	-0.011	-0.005	-0.015	0.0019	-0.003	-0.075	0.017	0.089	0.018	0.0038	-0.029	-0.015	0.023
MW11M	SFK	Overburden	1,398,341	2,126,307	21-Oct-04		-0.007	-0.013	0.0023	-0.002	-0.16	0.0045	-0.037	-0.003	-0.005	-0.093		-0.015
					21-Mar-05	0.013	0.0045	0.019	0.0029	-4E-04	-0.031	0.016	0.08	0.0056	0.01	0.11		0.032
					13-May-05	0.019	0.0036	0.02	0.0028	-4E-04	-0.031	0.016	0.038	0.0041	0.0056	-0.02		0.021
					16-Aug-05	0.032		-0.013	0.0025	-0.002	-0.078	-0.001	0.086	-0.003	0.0049	0.14		
					11-Nov-05	0.024	0.0033	-0.013	0.0024	-0.002	-0.078	0.0088	0.068	-0.003	0.0051	-0.093	-0.62	
					22-Mar-06	0.035	0.005	-0.015	0.0027	-0.003	-0.12	0.012	0.079	-0.003	0.0032	-0.046	-0.05	0.013
					21-May-06	-0.011	0.0047	-0.015	0.0026	-0.003	-0.12	0.028	0.06	-0.003	0.0033	0.064	0.029	
					21-Aug-06	0.035	0.0046	0.031	0.0028	-0.003	-0.19	0.019	0.064	-0.003	0.003		-0.01	0.015
					1-Nov-06	-0.011	-0.001	0.044	0.0022	-0.003	-0.19	-0.002	0.043	-0.003	0.002	-0.029	-0.01	0.016
					22-Mar-07	-0.011	-0.005	-0.015	0.0024	-0.003	-0.075	0.015	0.076	-0.003	0.0047	-0.029	-0.01	0.022
					10-May-07	-0.011	0.0056	-0.015	0.0024	-0.003	-0.075	-0.004	0.051	-0.003	0.0024	-0.093	-0.01	0.019
					21-Aug-07	-0.011	0.0036	-0.015	0.0024	-0.003	-0.075	0.011	0.082	-0.003	0.0026	-0.093	-0.01	0.016
					11-Nov-07	-0.004	0.0048	-0.015	0.0025	-0.003	-0.075	0.02	0.04	0.0078	0.0022	-0.029	-0.01	0.021
					19-Mar-08	0.0096	0.004	-0.015	0.0022	-0.003	-0.075	0.0087	0.048	0.015	0.0021	-0.029	-0.015	0.017
					18-May-08	-0.011	0.0028	-0.015	0.0023	-0.003	-0.075	0.013	0.043	0.014	0.002	-0.029	-0.015	0.016
					24-Aug-08	-0.011	0.0044	-0.015	0.0024	-0.003	-0.075	0.015	0.077	0.016	0.0016	-0.029	-0.015	0.018
					22-Oct-08	-0.011	-0.005	-0.015	0.0022	-0.003	-0.075	0.0083	0.045	0.013	0.0019	-0.029	-0.015	0.019

Dissolved (Filtered)																	
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW11S	SFK	Overburden	1,398,338	2,126,323	21-Oct-04		-0.007	-0.013	0.0019	-0.002	-0.16	0.016	-0.037	-0.003				-0.015
					21-Mar-05	0.016	0.0047	0.013	0.0023	-4E-04	-0.031	0.014	0.041	-0.001				0.024
					13-May-05	0.017	0.0036	0.012	0.0021	-4E-04	-0.031	0.019	0.043	0.0062	0.022			0.015
					16-Aug-05			-0.025	0.0019	-0.004	-0.16	-0.008		-0.006	0.018			
					11-Nov-05	-0.011	0.0042	0.026	0.0018	-0.002	-0.078	0.02	0.087	-0.003	0.0076			0.009
					22-Mar-06	0.029	0.0055	-0.015	0.0021	-0.003	-0.12		0.086	0.025		-0.024	-0.01	0.019
					21-Aug-06	0.032	0.0034	-0.015		-0.003	-0.19	0.019	0.091	0.0064	0.011		-0.01	
					1-Nov-06	-0.011	-0.005	-0.015	0.0019	-0.003	-0.19	0.018	0.061	-0.01	0.0069	-0.029	-0.01	0.012
					22-Mar-07	0.033	-0.005	-0.015	0.0019	-0.003	-0.075	0.016	0.072	-0.003	0.0091	-0.029	-0.01	0.014
					10-May-07													
					21-Aug-07	-0.011	0.0049	-0.015	0.0017	-0.003	-0.075	0.03	0.085	-0.01	0.0072	-0.029	-0.01	0.014
					11-Nov-07	-0.011	0.0049	-0.015	0.0018	-0.003	-0.075	0.033	0.044	0.014	0.0062	-0.029	-0.01	0.017
					20-Mar-08	0.036	0.0046	-0.015	0.0018	-0.003	-0.075	0.038	0.067	0.025	0.013	-0.029	-0.015	0.013
					18-May-08		0.0034	-0.015	0.0019	-0.003	-0.075	0.04	0.063	0.023	0.013	-0.029	-0.015	0.017
					24-Aug-08	-0.011	0.0044	-0.015	0.0017	-0.003	-0.075	0.023	0.051	0.018	0.0045	-0.029	-0.015	0.013
					22-Oct-08	-0.011	-0.005	-0.015	0.0018	-0.003	-0.075	0.019	0.054	0.015	0.004	-0.029	-0.015	0.015
MW11SS	SFK	Overburden	1,398,360	2,126,302	11-Nov-05		0.0079	-0.013		-0.002	-0.078	0.035	0.076	0.012		-0.093		0.023
					23-Mar-06													
					22-Aug-06	0.029	0.0049	-0.015	0.0014	-0.003	-0.19	0.017	0.072	0.012	0.028		-0.01	0.012
					1-Nov-06	0.027	0.01	0.036		-0.003	-0.19	0.039	0.055	-0.01		-0.093	-0.01	0.014
					1-Mar-07													
					10-May-07													
					21-Aug-07	-0.011	0.0052	-0.015	0.0012	-0.003	-0.075	0.037	0.068	-0.01	0.0077	-0.029	-0.01	0.0095
					20-Mar-08	0.01	0.0091	-0.015	0.001	-0.003	-0.075	0.028	0.081	0.011	0.0053	-0.029	-0.015	0.0092
					18-May-08	0.023	0.0058	0.034	0.0011	-0.003	-0.075	0.028	0.071	0.013	0.014	-0.093	-0.015	0.013
					24-Aug-08	-0.011	0.0053	0.042	0.001	-0.003	-0.075	0.032	0.051	0.0076	0.0044	-0.029	-0.015	0.0092
					22-Oct-08	-0.011	-0.005	-0.015	0.001	-0.003	-0.075	0.022	0.08	0.0083	0.0051	-0.029	-0.015	0.009

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW12D	SFK	Bedrock	1,399,179	2,155,575	19-Aug-05	0.048	0.03	-0.025		-0.002	-0.078		0.32	0.029	0.43	0.11		1.3
					8-Nov-05	0.033	0.024	0.061		-0.002	-0.078	0.029	0.37	0.0089	0.27	-0.093		1.3
					24-Mar-06		0.031	0.053		-0.003	0.32	0.024	0.51	0.0079	0.35	-0.024	-0.01	1.4
					19-May-06	0.062	0.026	0.059		-0.003	-0.12	0.015	0.53	0.013	0.36		0.024	1.3
					18-Aug-06	0.047	0.028	0.075	0.0024	-0.003	-0.19	0.044	0.35	0.0095	0.33	0.24	-0.01	1.3
					28-Oct-06	0.028	0.029	0.051	0.0021	-0.003	-0.19	-0.002	0.5	-0.01	0.26	-0.029	-0.01	1.3
					13-Mar-07	0.078	0.029	0.058	0.0019	-0.003	0.2	0.021	0.39	-0.003	0.26	-0.093	-0.01	1.3
					12-May-07	0.039	0.03	0.064	0.0021	-0.003	0.23	0.026	0.49		0.29	-0.093	-0.01	1.5
					17-Aug-07	0.032	0.026	0.045	0.0016	-0.003	0.21	0.011	0.42	-0.003	0.21	-0.029	-0.01	1.3
					10-Nov-07	-0.011		0.064	0.0015		0.34	0.021	0.53	0.013	0.17	-0.029	0.021	1.3
					26-Mar-08	0.027	0.028	0.053	0.0014	-0.003	0.31	0.009	0.46	0.06	0.16	-0.029	-0.015	1.4
					21-May-08	0.033	0.027	0.056	0.0012	-0.003	0.2	0.014	0.53	0.021	0.15	-0.029	-0.015	1.3
					28-Aug-08	0.027	0.029	0.044	0.0011	-0.003	0.34	0.0095	0.59	0.048	0.12	0.17	-0.015	1.3
					21-Oct-08	0.033	0.032	0.06	0.0011	-0.003	0.3	0.01	0.57	0.037	0.12	-0.029	-0.015	1.4
MW12S	SFK	Overburden	1,399,199	2,155,589	19-Aug-05	0.035	0.014	0.11	0.04	-0.002	-0.078	0.028	0.53	0.059		0.15		
					9-Nov-05	0.045	0.012	0.13	0.04	-0.002	-0.078	0.02	0.57	0.052		-0.093		1
					24-Mar-06	0.037	0.0086	0.065		-0.003	-0.12	0.03	0.14	0.11	6.7	-0.024	-0.01	0.94
					19-May-06	0.033	0.011	0.054	0.034	-0.003	-0.12	0.019	0.36	0.14	5.7	-0.024	-0.01	0.91
					18-Aug-06	0.024	0.0067	0.1	0.037	-0.003	-0.19	0.017	0.41	0.17	6.4	-0.093	-0.01	1
					28-Oct-06	-0.011	-0.005	-0.015	0.036	-0.003	-0.19	-0.002	0.27	0.1	4.6	-0.029	-0.01	0.82
					12-Mar-07		-0.009	0.12	0.034	-0.006	-0.15	0.018	0.29	0.13	5.1	-0.11	-0.01	0.87
					12-May-07	-0.011	0.013	0.089	0.033	-0.003	0.19	-0.002	0.096	0.063	3.7	-0.029	-0.01	0.85
					17-Aug-07	-0.011	0.0092	0.12	0.032	-0.003	0.17	0.0058	0.081	0.061	4.9	-0.029	-0.01	0.98
					10-Nov-07	0.025	0.0081	0.11	0.036	-0.003	-0.075	0.011	0.14	0.19	5.7	-0.029	-0.01	0.98
					26-Mar-08	-0.014	-0.005	-0.062	0.033		-0.3	-0.008	0.23	0.26	5.3	-0.11	-0.015	0.85
					21-May-08	-0.011	-0.001	0.12	0.037	-0.003	-0.075	0.013	0.22	0.31	5.7	-0.029	-0.015	1
					28-Aug-08	-0.011	0.0046	0.085	0.033	-0.003	0.19	-0.004	0.28	0.34	5.1	-0.029	0.039	0.92
					21-Oct-08	0.022	-0.005	0.12	0.034	-0.003	0.19	0.0058	0.24	0.28	5.2	-0.029	-0.015	0.97

Dissolved (Filtered)																	
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW13D	SFK	Bedrock	1,376,786	2,127,185	22-Aug-05		0.0068		0.0039		-0.078	0.018						
					12-Nov-05	0.094	0.012	-0.013	0.0046	-0.002	-0.078	0.024	0.12	-0.003		-0.093	-0.62	0.12
					21-Mar-06	-0.011	0.0066	-0.015	0.0047	-0.003	-0.12	0.031	0.14	-0.01		-0.024	-0.01	0.21
					22-May-06	0.033	0.0055	-0.015	0.0038	-0.003	-0.12	0.02	0.15	-0.003	0.024	0.26	0.026	0.17
					24-Aug-06	-0.011	0.0057	-0.015	0.0043	-0.003	-0.19	0.039	0.13	-0.003	0.021	-0.093	-0.01	0.18
					31-Oct-06	-0.011	-0.001	-0.015	0.0034	-0.003	-0.19	-0.002	0.094	-0.003	0.016	-0.093	-0.01	0.14
					18-Mar-07	-0.011	-0.005	-0.015	0.003	-0.003	-0.075	-0.002	0.089	-0.003	0.013	-0.029	-0.01	0.18
					11-May-07	0.029	0.0077	-0.015	0.0029	-0.003	-0.075	0.015	0.11	-0.01	0.011		-0.01	0.16
					22-Aug-07	-0.011	0.0027	-0.015	0.0025	-0.003	-0.075	0.015	0.11	-0.01	0.0084	-0.029	-0.01	0.14
					14-Nov-07	-0.011	0.005	-0.015	0.0031	-0.003	-0.075	0.009	0.093	0.0093	0.0081	-0.029	-0.01	0.14
					22-Mar-08	0.028	0.004	-0.015	0.0024	-0.003	-0.075	0.019	0.088	0.018	0.011	-0.029	-0.015	0.13
					17-May-08	0.023	-0.001	-0.015	0.0023	-0.003	-0.075	0.022	0.11	0.02	0.015	-0.029	-0.015	0.13
					24-Aug-08	-0.011	-0.001	-0.015	0.0025	-0.003	-0.075	0.01		0.017	0.0081	-0.029	-0.015	0.13
					15-Oct-08	0.011	-0.005	-0.015	0.0019	-0.003	-0.075	0.007	0.083	0.012	0.0057	-0.029	-0.015	0.11
MW13S	SFK	Overburden	1,376,803	2,127,170	22-Aug-05	0.073	0.0045	-0.013		-0.002	-0.078	0.029	0.12	-0.003	0.0061	0.12		0.036
					11-Nov-05	0.032		-0.013	0.0017	-0.002	-0.078	0.028	0.13	-0.003	0.0053	-0.093		
					21-Mar-06	0.05	0.0074	-0.015	0.0016	-0.003	-0.12	0.052		-0.01	0.0042	-0.046	-0.01	
					22-May-06		0.0048	-0.015	0.0015	-0.003	-0.12	0.019	0.083	-0.003		0.14	0.021	0.029
					24-Aug-06	0.038	-0.001	-0.015	0.0013	-0.003	-0.19	0.035	0.11	-0.003	0.0031	-0.093	-0.01	0.031
					31-Oct-06	0.029	-0.001	-0.015	0.0014	-0.003	-0.19	-0.002	0.25	-0.003	0.003	-0.093	-0.01	0.039
					18-Mar-07	0.046	-0.001	-0.015	0.0013	-0.003	-0.075	0.019	0.18	-0.003	0.0052	-0.093	-0.01	0.032
					11-May-07	0.061		-0.015	0.0017	-0.003	0.3	0.025	0.12	-0.01	0.0034		-0.01	0.027
					22-Aug-07	0.066	-0.001	-0.015	0.0018	-0.003	-0.075	0.023	0.13	-0.01	0.0026	-0.093	-0.01	0.03
					14-Nov-07	0.029	0.0027	-0.015	0.0017	-0.003	-0.075	0.025	0.11	0.0073	0.0031	-0.029	-0.01	0.044
					22-Mar-08	0.073	-0.001	-0.015	0.0017	-0.003	-0.075		0.1	0.028	0.013	-0.029	-0.015	0.036
					17-May-08	0.058	-0.001	-0.015	0.0018	-0.003	-0.075	0.027	0.072	0.014	0.0023	-0.029	-0.015	0.029
					24-Aug-08		-0.001	-0.015	0.0013	-0.003	-0.075	0.08		0.019	0.011	0.11	-0.015	0.021
					15-Oct-08	0.033	-0.001	-0.015	0.0016	-0.003	-0.075	0.057	0.15	0.018	0.0077	-0.029	-0.015	0.041

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW14D	SFK	Bedrock	1,405,524	2,131,544	10-Nov-05			0.11	0.016	-0.002	-0.078	0.022		0.024		-0.093		
					23-Mar-06			0.17		-0.003	-0.12			0.045		-0.024	-0.05	
					21-May-06		0.05	0.15	0.012	-0.003	-0.12		0.2	0.054	3.4	0.087	0.029	
					23-Aug-06	0.052	0.047		0.015	-0.003		0.024	0.12	0.08	5.1	-0.093	-0.01	
					3-Nov-06	0.05	0.037	0.17	0.018	-0.003		-0.002	0.18	0.15	6.5	-0.093	-0.01	0.3
					20-Mar-07	0.042	0.035	0.18	0.016	-0.003	-0.075	-0.004	0.12	0.17	5	-0.029	0.025	0.32
					9-May-07	0.04	0.038	0.17	0.017	-0.003	-0.075	0.014	0.17	0.16	5.9	-0.093	-0.01	0.25
					20-Aug-07	0.043	0.036	0.21	0.014	-0.003	-0.075	0.015	0.13	0.04	4.6	-0.029	-0.01	0.25
					12-Nov-07	0.035	0.031	0.16	0.015	-0.003	-0.075	0.01	0.15	0.1	4.6	-0.029	-0.01	0.24
					19-Mar-08	0.034	0.026	0.23	0.015	-0.003	-0.075	0.0077	0.2	0.25	4.6	-0.029	-0.015	0.22
					22-May-08													
					23-May-08		0.0051	0.23	0.014	-0.003	-0.075	0.0059	0.18	0.14	3.7	-0.029	-0.015	0.15
					25-Aug-08													
					26-Aug-08	0.036	0.04	0.23	0.012	-0.003	-0.075	-0.004	0.21	0.17	3.1	-0.029	-0.015	0.18
					22-Oct-08	0.043	0.03	0.27	0.012	-0.003	-0.075	0.0064	0.2	0.16	3	-0.029	-0.015	0.19
MW14S	SFK	Overburden	1,405,507	2,131,554	10-Nov-05	0.029	0.0043	0.029	0.0018	-0.002	-0.078	0.027		0.0089	0.0088	-0.029	-0.62	0.026
					23-Mar-06	0.026	0.0066	-0.015	0.0021	-0.003	-0.12	0.012		-0.003	0.01		-0.01	0.033
					21-May-06	-0.011	0.0063	-0.015	0.0019	-0.003	-0.12	0.021	1.1	0.011		0.051	-0.01	0.034
					23-Aug-06	-0.011	0.0036	-0.015	0.0017	-0.003	-0.19	0.024	0.31	0.013	0.014	-0.093	-0.01	
					2-Nov-06	-0.011	-0.005	-0.015	0.0019	-0.003	-0.19	-0.002	0.16	-0.01	0.034	-0.029	-0.01	0.029
					20-Mar-07	-0.011	-0.005	-0.015	0.0019	-0.003	-0.075	0.014	0.44	-0.01	0.012	0.27	-0.01	0.029
					9-May-07	-0.011	0.0075	-0.015	0.0018	-0.003	-0.075	0.011	0.19	-0.003	0.0037	-0.029	-0.01	0.03
					19-Aug-07	-0.011	0.0049	-0.015	0.0017	-0.003	-0.075	0.025	0.35	-0.01	0.02	-0.029	-0.01	0.034
					12-Nov-07	-0.011	0.0054	-0.015	0.0017	-0.003	-0.075	0.011	0.1	0.011	0.0051	-0.029	-0.01	0.029
					20-Mar-08	0.025	0.0098	-0.015	0.0018	-0.003	-0.075	0.03	1.6	0.042	0.013	-0.029	-0.015	0.034
					22-May-08	-0.011	0.0062	-0.015	0.0017	-0.003	-0.075	0.015	0.62	0.019	0.0037	-0.029	-0.015	0.033
					25-Aug-08	-0.011	-0.001	-0.015	0.0016	-0.003	-0.075	0.015		0.035	0.0037	-0.029	-0.015	0.03
					21-Oct-08	0.016	-0.005	-0.015	0.0017	-0.003	-0.075	0.013	0.14	0.028	0.0026	-0.029	-0.015	0.031

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW1D	SFK	Bedrock	1,378,229	2,124,916	23-Sep-04	-0.14	-0.007	0.028	0.0014	-0.002	-0.16	-0.004	0.075	-0.003		-0.093		0.051
					22-Oct-04		-0.007	-0.013	0.0016	-0.002	-0.16	-0.002	0.11	-0.003		-0.093		0.049
					21-Mar-05	0.0052	0.0047	0.019	0.0016	-4E-04	-0.031	0.014	0.038	0.0031	0.0079	0.068		0.05
					13-May-05	0.014	-0.002	0.021	0.0015	-4E-04	-0.031	0.0097	0.033	-0.001	0.0049	-0.065		0.047
					17-Aug-05	0.024	0.0052	-0.013	0.0015	-0.002	-0.078	0.034	0.13	0.014	0.0076	0.12		
					11-Nov-05	-0.011	0.0037	-0.013	0.0014	-0.002	-0.078	0.021	0.08	-0.003	-0.002	-0.093		0.042
					21-Mar-06	0.024	0.0049	-0.015	0.0014	-0.003	-0.12	0.013	0.051	-0.003	0.012	-0.024	-0.01	0.034
					22-May-06	-0.011	-0.001	-0.015	0.0012	-0.003	-0.12	0.014	0.038	-0.003	0.0032	0.065	0.022	0.039
					22-Aug-06	-0.011	-0.001	-0.015	0.0013	-0.003	-0.19	-0.002	0.065	-0.003	0.0035	-0.093	-0.01	0.041
					31-Oct-06	-0.011	-0.001	-0.015	0.0014	-0.003	-0.19	-0.002		-0.003	0.0023	-0.093	-0.01	0.043
					19-Mar-07	-0.011	-0.005	-0.015	0.0013	-0.003	-0.075	0.015	0.063	-0.003	0.0035	-0.029	-0.01	0.046
					10-May-07	-0.011	0.004	-0.015	0.0011	-0.003	-0.075	-0.002	0.039	-0.003	0.0026	-0.093	-0.01	0.036
					22-Aug-07	0.037	0.0058	-0.015	0.0014	-0.003	-0.075	0.021	0.14	-0.01	0.0042	0.21	-0.01	0.046
					13-Nov-07	-0.011	0.0042	-0.015	0.0014	-0.003	-0.075	0.0091	0.056	0.0085	0.0023	-0.029	-0.01	0.045
					21-Mar-08	0.011	0.0034	-0.015	0.0012	-0.003	-0.075	0.013	0.055	0.021	0.0032	-0.029	-0.015	0.046
					17-May-08	0.039	-0.001	-0.015	0.0013	-0.003	-0.075	0.0097	0.047	0.017	0.0022	-0.029	-0.015	0.044
					24-Aug-08	-0.011	-0.001	-0.015	0.0013	-0.003	-0.075	-0.004	0.061	0.016	0.0023	-0.029	-0.015	0.046
					16-Oct-08	0.013	-0.001	-0.015	0.0013	-0.003	-0.075	0.01	0.061	0.016	0.0025	-0.029	-0.015	0.045
MW1M	SFK	Overburden	1,378,241	2,124,910	24-Sep-04	-0.045	-0.007	-0.013	0.0013	-0.002		0.018	0.048	-0.003		-0.093		0.034
					29-Oct-04	-0.045	-0.007	-0.013	0.0016	0.006		-0.002	0.1	-0.003		0.3		0.035
					21-Mar-05			0.02	0.0017	-4E-04	0.22	0.014	1.2	0.0066		0.15		
					13-May-05		0.0078	0.02	0.002	-4E-04	0.17	0.008	0.047	-0.001		0.21		0.034
					17-Aug-05	0.025	0.0023	-0.013	0.0013	-0.002	-0.078	-0.001	0.065	-0.003	0.0049	-0.029		
					11-Nov-05	-0.011	0.0089	0.029	0.0016	-0.002	-0.078	0.017	0.14	-0.003	0.017	-0.029		0.027
					22-Mar-06	0.031	0.0094	-0.015	0.002	-0.003	-0.12	0.015	0.48	0.012	0.014	0.46	-0.01	0.023
					22-May-06	-0.011	0.0092	-0.015	0.0017	-0.003	-0.12	0.011	0.32	-0.003	0.012	-0.046	0.019	0.03
					22-Aug-06	-0.011	0.023	-0.015	0.0015	-0.003	-0.19	0.015	0.72	-0.003	0.011	-0.029	-0.01	0.031
					31-Oct-06	-0.011	-0.005	-0.015	0.0017	-0.003	-0.19	-0.002	1.2	-0.003	0.011	-0.029	-0.01	0.027
					19-Mar-07	-0.011	0.0099	-0.015	0.0017	-0.003	0.16	0.014	5.8	-0.003	0.017		-0.01	0.033
					10-May-07	-0.011	0.0067	-0.015	0.0018	-0.003	-0.075	0.013	1.5	-0.01	0.01	-0.029	-0.01	0.036
					22-Aug-07	-0.011	0.0066	-0.015	0.0017	-0.003	-0.075	0.023	2.7	-0.01	0.0084	-0.093	-0.01	0.034
					12-Nov-07	-0.011	0.012	-0.015	0.0018	-0.003	-0.075	0.014	4.1	0.01	0.011	-0.029	-0.01	0.033
					21-Mar-08	0.022	0.011	-0.015	0.0019	-0.003	-0.075	0.017	8.5	0.024	0.011	0.2	-0.015	0.029
					17-May-08	-0.011	0.0043	-0.015	0.0016	-0.003	-0.075	0.0077	2.8	0.02	0.0059	-0.029	-0.015	0.032
					24-Aug-08	-0.011	0.0037	0.036	0.0016	-0.003	-0.075	-0.004	4.2	0.015	0.0052	-0.029	-0.015	0.029
					15-Oct-08	0.011	-0.005	-0.015	0.0016	-0.003	-0.075	0.0085	2.3	0.017	0.0062	-0.029	-0.015	0.029

Dissolved (Filtered)																	
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW1S	SFK	Overburden	1,378,210	2,124,924	25-Sep-04	-0.14	-0.007	-0.013	0.0021	-0.002	-0.16	0.023	0.074	-0.003		-0.093		-0.015
					29-Oct-04	-0.14	-0.007	-0.013	0.0024	0.0042		-0.002	-0.037	-0.003		-0.093		-0.015
					20-Mar-05													
					13-May-05		-0.002	0.0073	0.0043	0.0016	0.28	0.02		0.033		-0.065		0.0079
					17-Aug-05	0.09	-9E-04	-0.013	0.0025	-0.002	-0.078	-0.001		0.0068	0.13			
					11-Nov-05	0.15	0.002	-0.013	0.0031	-0.002	-0.078	0.017	0.16	0.016	0.15			0.0032
					21-Mar-06	0.035	0.0041	-0.015	0.0035	-0.003	-0.12	0.02	0.072	-0.01	0.03	-0.024	-0.01	0.016
					22-May-06	0.23	-0.001	-0.015	0.0032	-0.003	-0.12	-0.004	0.17	-0.003	0.13	0.15	0.023	-8E-04
					22-Aug-06	0.37	-0.001	-0.015	0.0041	-0.003	-0.19	0.051		0.021	0.16	-0.093	0.019	0.0083
					31-Oct-06	0.17	-0.001	-0.015	0.004	-0.003	-0.19	-0.002		-0.003	0.13	-0.029	-0.01	0.0034
					19-Mar-07	0.034	-0.005	-0.015	0.0035	-0.003	0.22	0.015	0.12	-0.003	0.026	-0.029	-0.01	0.022
					10-May-07	0.028	0.0036	-0.015	0.0025	-0.003	0.2	0.011	0.053	-0.003	0.095	-0.093	-0.01	0.0049
					22-Aug-07	0.049	0.0051	-0.015	0.0033	-0.003	0.29	0.021	0.096	-0.01	0.068	-0.093	-0.01	0.0095
					13-Nov-07	0.14	-0.001	-0.015	0.004	-0.003	0.23	0.011	0.057	-0.003	0.083	-0.029	-0.01	-0.003
					21-Mar-08	0.03	0.0032	-0.015	0.0038	-0.003	0.22	0.013	0.039	0.0088	0.043	-0.029	-0.015	0.015
					17-May-08	0.051	-0.001	-0.015	0.0026	-0.003	0.22		0.038	-0.003	0.065	-0.029	-0.015	0.0034
					24-Aug-08	0.11	-0.001	-0.015	0.0029	-0.003	-0.075	0.013	0.11	0.015	0.15	-0.029	-0.015	
					16-Oct-08	0.089	-0.001	-0.015	0.0039	-0.003	0.26	0.0063	0.064	-0.003	0.08	-0.093	-0.015	0.0036
MW2D	UT	Overburden	1,399,458	2,121,675	7-Sep-04			0.47	0.0015	-0.002	-0.16		-0.037	-0.01	-0.01	-0.093		-0.015
					20-Oct-04													
					29-Oct-04													
					30-Oct-04		0.021	0.45	0.0014	-0.002	-0.16	0.01	0.083	-0.003	-0.005	-0.093		-0.015
					22-Mar-05	0.069		0.5	0.0016	-4E-04	-0.031	0.059	0.056	0.0044	0.006	-0.02		0.023
					16-May-05	0.077	0.025	0.52	0.0016	-4E-04	-0.031	0.049	0.038	0.0039	0.0038	-0.065		0.022
					17-Aug-05	0.073		0.44	0.0013	-0.002	-0.078	-0.004	0.075	-0.003	-0.002	-0.029		
					12-Nov-05	0.068	0.021	0.53	0.0014	-0.002	-0.078	0.052	0.064	-0.003	-0.002	-0.093		
					23-Mar-06	0.072	0.022	0.44	0.0014	-0.003	-0.12	0.055	0.055	-0.003	0.0032		-0.01	0.015
					21-May-06	0.067	0.024	0.53	0.0014	-0.003	-0.12	0.059	0.051	-0.003	0.0024		-0.01	
					23-Aug-06	0.089	0.023	0.5	0.0014	-0.003	-0.19	0.083	0.084	0.015	0.004	-0.093	-0.01	0.023
					2-Nov-06		0.022	0.46	0.0016	-0.003	-0.19	0.068	0.1	-0.01	0.0043	0.2	-0.01	0.022
					22-Mar-07	0.081	0.026	0.5	0.0015	-0.003	-0.075	0.042	0.079	-0.01	0.0032	-0.093	0.028	0.023
					11-May-07	0.078	0.024	0.49	0.0014	-0.003	-0.075	0.063	0.077	-0.01	0.0038	-0.029	-0.01	0.02
					22-Aug-07	0.079	0.025	0.49	0.0015	-0.003	-0.075	0.086	0.085	-0.01	0.0047	-0.029	-0.01	0.024
					12-Nov-07	0.053	0.019	0.42	0.0012	-0.003	-0.075	0.066	0.056	-0.003	0.0035	-0.029	-0.01	0.02
					21-Mar-08	0.06	0.019	0.47	0.0012	-0.003	-0.075	0.098	0.043	0.033	0.0052	-0.029	-0.015	0.022
					19-May-08	0.061	0.019	0.51	0.0014	-0.003	-0.075	0.034	0.041	0.023	0.0014	-0.029	-0.015	0.019
					24-Aug-08	0.066	0.021	0.53	0.0015	-0.003	-0.075	0.036	0.08	0.027	0.0024	-0.029	0.042	0.02
					23-Oct-08	0.061	0.021	0.51	0.0014	-0.003	-0.075	0.057		0.019	0.0032	-0.093	-0.015	0.019

Dissolved (Filtered)																	
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW3D	SFK	Overburden	1,400,181	2,136,068	23-Mar-05													
					16-May-05	0.026	0.014	0.097	0.0036	-4E-04	-0.031	0.0058	0.026	-0.001		0.3		
					22-Aug-05	0.031	0.009	0.1	0.0025	-0.002	-0.078	0.014	0.1	-0.003	-0.002	0.59		0.17
					10-Nov-05													
					24-Mar-06				0.0029				0.077	-0.015	0.0035		-0.01	
					23-May-06	-0.011	0.0097	0.073	0.0027	-0.003	-0.12	0.012	0.098	-0.003	0.0025	-0.046	0.022	0.17
					24-Aug-06													
					2-Nov-06	-0.011	-0.005	0.044	0.003	-0.003	-0.19	-0.002	0.06	-0.01	0.0017	-0.029	-0.01	0.19
					1-Mar-07													
					9-May-07													
					10-May-07													
					16-Aug-07													
					17-Aug-07	-0.011	0.0089	0.087	0.0026	-0.003	-0.075	0.0055	0.095	-0.003	0.0023	0.37	-0.01	0.18
					11-Nov-07	0.026	0.0075	0.074	0.0029	-0.003	-0.075	-0.004	0.071	0.027	0.0022	-0.029	-0.01	0.19
					22-Mar-08													
					22-May-08	-0.011	0.0099	0.1	0.0034	-0.003	-0.075	0.012	0.062	0.026	0.0067	-0.029	-0.015	0.17
					27-Aug-08	0.1	0.0084	0.093	0.0036	-0.003	-0.075	0.012	0.066	0.061	0.022	-0.029	-0.015	0.17
					21-Oct-08	0.075	0.01	0.11	0.0034	-0.003	-0.075	0.012	0.1	0.055	0.01	-0.029	-0.015	0.18
MW5D	SFK	Bedrock	1,403,277	2,149,291	24-Sep-04			0.28	0.011	-0.002	0.35	0.011	0.23	0.12	**7.1**	0.34		
					19-Oct-04			0.27	0.012	-0.002	-0.16	-0.002	0.2	0.42	**9.1**	0.21		0.55
					18-Mar-05	0.036		0.29	0.014	-4E-04	-0.031	-0.002	-0.011	0.78	**11**	0.075		0.4
					11-May-05	0.031		0.33	0.015	-4E-04	-0.031	-0.002	0.04	0.53	**8.7**	-0.065		0.5
					18-Aug-05	0.029	0.044	0.32	0.014	-0.002	-0.078		0.2	**1.1**	**13**	-0.029		0.31
					9-Nov-05	0.026	0.027	0.29	0.014	-0.002	-0.078	0.009	0.18	0.96	**12**	-0.093		0.29
					23-Mar-06	0.038	0.032	0.27	0.019	-0.003	-0.12	0.0098	0.12	**1.3**	**19**		-0.01	0.25
					18-May-06	0.026	0.028	0.33	0.018	-0.003	-0.12	0.014	0.18	**1.5**	**20**	-0.024	0.039	0.33
					17-Aug-06	0.024	0.02		0.016	-0.003	-0.19	0.011	0.21	**1.3**	**19**	-0.093	-0.01	0.28
					29-Oct-06	0.025	0.011	0.29	0.016	-0.003	-0.19	0.01	0.19	**1.1**	**17**	-0.093	-0.05	0.28
					15-Mar-07	-0.023	-0.009	0.35	0.018		-0.15	0.024	0.13	**1.5**	**20**	-0.057	-0.01	0.27
					13-May-07													
					19-Aug-07													
					22-Mar-08													
					24-May-08	0.025	-0.001	0.33	0.017	-0.003	-0.075	0.0074	0.082	**1.5**	**19**	-0.029	-0.015	0.22
					25-Aug-08	0.024	-0.001	0.31	0.017	-0.003	-0.075	-0.004	0.096	**1.4**	**19**	-0.029	-0.015	0.23
					22-Oct-08	-0.011	0.012	0.37	0.019	-0.003	-0.075	-0.002	0.12	**1.6**	**22**	-0.029	0.05	0.28

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW5M	SFK	Overburden	1,403,295	2,149,289	7-Sep-04			0.26	0.042	-0.002	-0.16	-0.004	0.18	-0.01	4.6	-0.093		0.48
					24-Sep-04													
					19-Oct-04		-0.007	0.24	0.042	-0.002	-0.16	0.0048	0.13	-0.003	4.7	-0.093		0.52
					23-Mar-05	0.022	0.0081	0.23	0.046	-4E-04	-0.031	0.0032	0.045	0.0032	5.6	0.071		0.49
					23-Mar-05													
					11-May-05	0.032	0.0068	0.29	0.045	-4E-04	-0.031	-0.002	0.048	0.0031	5.3	0.15		0.5
					18-Aug-05	0.042	0.0047	0.2	0.041	-0.002	-0.078	-0.004	0.15	0.022	5.4	0.061		0.49
					9-Nov-05	-0.011	0.005	0.22	0.041	-0.002	-0.078	-0.004	0.14	0.037	5.2	-0.093		0.46
					23-Mar-06	0.033	0.0052	0.17	0.051	-0.003	-0.12	0.0089	0.1	0.0066	5.9	-0.024	-0.01	0.48
					18-May-06	-0.011	0.0053	0.17	0.043	-0.003	-0.12	-0.004	0.12	-0.003	5.7	0.1	0.056	0.48
					17-Aug-06	-0.011	0.0045	0.2	0.045	-0.003	-0.19	0.0098	0.14	-0.003	6.3	-0.093	-0.01	0.49
					28-Oct-06	0.024	-0.005	0.17	0.045	-0.003	-0.19	-0.002	0.12	-0.01	5.4	0.24	-0.01	0.53
					15-Mar-07	-0.023	-0.009	0.2	0.046	-0.006	-0.15	-0.004	-0.037	-0.02	5.8	-0.19	-0.01	0.46
					13-May-07	-0.011	0.0053	0.19	0.045	-0.003	-0.075	-0.004	0.077	0.086	5.8	-0.029	-0.01	0.49
					19-Aug-07	-0.011	0.005	0.21	0.049	-0.003	-0.075	0.0052	0.1	-0.01	6.6	-0.029	-0.01	0.54
					10-Nov-07	0.11	0.0038	0.23	0.048	0.018	-0.075	0.02	0.054	0.0092	6	-0.029	-0.01	0.52
					21-Mar-08	0.045	0.0034	0.21	0.047	-0.003	-0.075	0.0081	0.2	0.11	6.3	-0.029	-0.015	0.49
					23-May-08	0.07	-0.001	0.21	0.045	-0.003	-0.075	0.013	0.08	0.082	5.7		-0.015	0.45
					25-Aug-08	-0.011	-0.001	0.22	0.046	-0.003	-0.075	-0.002	0.074	0.11	5.6	-0.029	-0.015	0.5
					23-Oct-08	-0.011	-0.005	0.21	0.045	-0.003	-0.075	-0.002	0.084	0.081	5.6	-0.029	-0.015	0.49
MW5S	SFK	Overburden	1,403,290	2,149,307	7-Sep-04		-0.007		0.018	-0.002	0.33	0.085	0.12		20	-0.093		0.073
					19-Oct-04		-0.007	0.099	0.0093	-0.002	0.36	0.052	0.11	0.04	7.1	-0.093		0.083
					18-Mar-05	0.016	0.006	0.18	0.015	-4E-04	0.39	0.04	0.23	0.078	16	0.18		0.2
					11-May-05	0.024	0.0063	0.21	0.011	-4E-04	0.31	0.027	0.18	0.1	10	-0.065		0.18
					18-Aug-05	0.023	0.005	0.3	0.011	-0.002	-0.078	0.051		0.23	12	0.14		0.24
					9-Nov-05	0.038	-3E-04	0.078	0.0078	-0.002	-0.078	0.04	0.21	0.015	2.5	0.26		
					23-Mar-06	0.025	0.0038	0.15	0.012	-0.003	0.28	0.049	0.5	0.027	9.9	-0.024	-0.05	0.22
					18-May-06	-0.011	0.0041	0.23	0.013	-0.003	-0.12	0.069	0.36	0.071	14	0.15	0.071	0.21
					17-Aug-06	-0.011	0.0055	0.065	0.0067	-0.003	-0.19	0.068	0.24	0.038		-0.029	0.029	0.056
					29-Oct-06	-0.011	-0.001	-0.015	0.0056	-0.003	-0.19	0.054	0.18	0.026	0.1	-0.093	-0.05	0.022
					15-Mar-07	0.093	-0.005	0.084	0.01	-0.003	0.21	0.057	0.26	0.054	6.5	-0.093	0.068	0.12
					13-May-07	0.023	0.0042	0.093	0.013	-0.003	0.3	0.068	0.32	0.12	12	-0.093	0.042	0.15
					19-Aug-07	0.028	0.0031	0.17	0.014	-0.003	0.19	0.078	0.34	0.28	20	-0.093	0.06	0.16
					11-Nov-07	0.037	0.0036	-0.015	0.0041	-0.003	-0.075	0.059	0.13	0.023	0.12	-0.029	-0.01	0.019
					21-Mar-08	0.013	0.0033	0.054	0.0096	-0.003	-0.075	0.06	0.25	0.09	4.6	-0.029	0.077	0.12
					24-May-08	0.023	0.0056	0.055	0.0063	-0.003	-0.075	0.043	0.16	0.038	1.9	-0.029	0.031	0.045
					25-Aug-08	0.033	-0.001	0.06	0.01	-0.003	0.22	0.041	0.35	0.15	9.4	-0.029	-0.015	0.15
					22-Oct-08	-0.011	-0.005	0.031	0.0049	-0.003	-0.075	0.056	0.16	0.043	0.32	-0.029	-0.015	0.031

Dissolved (Filtered)																	
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW6D	NFK	Overburden	1,382,247	2,168,259	7-Sep-04		-0.007	0.053	0.0023	-0.002	-0.16	0.014	0.14	-0.003		-0.093		-0.015
					21-Oct-04	-0.045	-0.007	0.053	0.0019	-0.002	-0.16	-0.002	0.13	-0.003		-0.093		-0.015
					20-Mar-05	0.032	0.0053	0.051		-4E-04	-0.031	0.029	0.28	0.0058	0.0057	0.13		
					20-Mar-05													
					12-May-05	0.016	0.0053	0.058	0.002	-4E-04	-0.031	0.01	0.075	-0.001	0.0016	-0.065		
					20-Aug-05	0.026	0.0061	0.066	0.002	-0.002	-0.078	0.017	0.11	-0.003	-0.002	0.14		0.021
					5-Nov-05	-0.011	0.0029	0.085	0.0019	-0.002	-0.078	0.02	0.12	-0.003	-0.002			0.0088
					10-Mar-06	-0.011	0.0049	-0.015	0.0021	-0.003	-0.12	0.029	0.092	-0.01	0.0017	-0.024	-0.01	0.0084
					23-May-06	-0.011	0.0074	0.039	0.002	-0.003	-0.12	0.012	0.099	-0.003	0.0019	0.21	-0.01	0.019
					20-Aug-06	-0.011	0.0066	0.057	0.0024	-0.003	-0.19	0.026	0.19	-0.003	0.003	-0.093	-0.01	0.013
					29-Oct-06	-0.011	-0.001	0.072	0.0019	-0.003	-0.19	-0.002	0.13	-0.01	0.0011	-0.093	-0.05	0.013
					17-Mar-07	0.026	-0.005	0.04	0.0019	-0.003	-0.075	0.016	0.1	-0.003	0.0021	-0.029	-0.01	0.015
					14-May-07	-0.011	0.0074	-0.015	0.0022	-0.003	-0.075	0.021	0.11	-0.01	0.0011	-0.029	-0.01	0.02
					21-Aug-07	-0.011	0.0046	0.032	0.002	-0.003	-0.075	0.013	0.11	-0.01	0.0011	-0.093	-0.01	0.016
					14-Nov-07													
					15-Nov-07	0.024	0.0043	0.038	0.0019	-0.003	-0.075	0.013	0.16	-0.003	0.0013	-0.029	-0.01	0.018
					23-Mar-08	0.02	0.0043	0.036	0.0019	-0.003	-0.075	0.015	0.14	0.017	0.0011	-0.029	-0.015	0.017
					19-May-08	-0.011	0.0032	0.034	0.002	-0.003	-0.075	0.016	0.1	0.02	-5E-04	-0.029	-0.015	0.018
					25-Aug-08	-0.011	-0.001	0.032	0.002	-0.003	-0.075	0.0091	0.087	0.016	0.0012	-0.029	-0.015	0.017
					18-Oct-08	-0.011	-0.005	0.048	0.0019	-0.003	-0.075		0.15	0.017		-0.029	-0.015	
MW7D	NFK	Bedrock	1,373,320	2,150,208	6-Sep-04		-0.007	0.04		-0.002	-0.16	0.01				-0.093		-0.015
					20-Oct-04	-0.14	-0.007	-0.025	0.001	-0.002	-0.16	0.0066	-0.037	-0.003	-0.01	-0.093		-0.015
					17-Mar-05													
					17-Mar-05	0.011	0.0039	0.03	0.001	0.0012	-0.031	0.013	-0.011	-0.001	0.017	0.048	-0.63	0.015
					15-May-05	0.019	0.0048	0.037	0.0007	0.0012	-0.031	0.0079	0.032	-0.001	0.0081	-0.065	-0.63	0.016
					21-Aug-05	-0.011	0.0039	-0.025	0.0006	-0.002	-0.078	-0.001	0.077	-0.003	0.0079	-0.029	**1.3**	0.015
					12-Nov-05	0.026		-0.013	0.0005	-0.002	-0.078	-0.004	0.08	-0.003	0.0045	-0.093	-0.62	
					12-Mar-06	-0.011	0.0069	-0.015	0.0006	-0.003	-0.12	0.016	0.066	-0.003	0.0041		-0.01	
					23-May-06			-0.015	0.0007	-0.003	-0.12	-0.004	0.059	-0.003	0.0057	-0.024	-0.01	
					21-Aug-06	0.026	0.0044	0.065	0.0007	-0.003	-0.19	0.02		-0.003	0.0046	0.37	0.019	0.0095
					30-Oct-06	0.052	-0.001	0.044		-0.003	-0.19	-0.002	0.13	-0.01		-0.093	-0.01	
					18-Mar-07	0.031	-0.005	0.037	0.0005	-0.003	-0.075	-0.002	0.08	-0.003	0.005	-0.093	-0.01	0.015
					11-May-07	-0.011	0.0054	0.037	0.0005	-0.003	-0.075	0.016	0.11	-0.01	0.0049	-0.029	-0.01	0.014
					23-Aug-07	-0.011	0.0046	-0.015	0.0006	-0.003	-0.075	0.0097	0.09	-0.003	0.0036	-0.093	0.021	0.015
					14-Nov-07	-0.011	0.005	-0.015	0.0004	-0.003	-0.075	-0.002	0.067	-0.003	0.0014	-0.093	-0.01	0.015
					23-Mar-08	0.017	0.0041	0.032	0.0005	-0.003	-0.075	0.016	0.086	0.013	0.0029		-0.015	0.013
					19-May-08	-0.011	0.0045	0.039	0.0004	-0.003	-0.075	0.012	0.043	-0.003	0.0019	-0.029	-0.015	
					25-Aug-08	-0.004	-0.001	-0.015	0.0004	-0.003	-0.075	-0.004	0.073	0.014	0.0017	-0.029	-0.015	0.012
					16-Oct-08	0.0079		0.035	0.0004	-0.003	-0.075	0.011	0.043	0.0085	0.0011		-0.015	0.012

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW7S	NFK	Overburden	1,373,301	2,150,213	24-Sep-04		-0.007	0.026	0.0009	-0.002	-0.16	0.03	0.042	0.0083		-0.093		-0.015
					20-Oct-04		-0.007	-0.013	0.0009	-0.002	-0.16	-0.002	-0.037	-0.003	-0.005	-0.093		-0.015
					17-Mar-05													
					17-Mar-05	0.017	0.0067	0.022	0.0009	-4E-04	-0.031	0.039	0.058	0.0066	0.0081	0.062	-0.63	0.021
					15-May-05	0.026	0.0056	0.021	0.0011	-4E-04	0.077	0.028	0.051	0.0058	0.012	-0.065		0.019
					21-Aug-05	-0.011	0.0035	-0.025	0.0009	-0.002	-0.078	0.028	0.14	-0.003	0.0093	0.077		0.019
					12-Nov-05	0.028	0.0025	-0.013	0.0013	-0.002	-0.078	0.019	0.22	0.013	0.0084			
					12-Mar-06	-0.011	0.01	-0.015	0.0009	-0.003	-0.12	0.067	0.079	-0.01	0.0075	-0.046	-0.01	0.012
					21-Aug-06	-0.011	0.0036	0.054		-0.003	-0.19	0.038	0.12	-0.003	0.0075		-0.01	0.024
					30-Oct-06	-0.011	-0.001	0.036	0.0011	-0.003	-0.19	-0.002	0.11	-0.01	0.0061	-0.029	-0.01	0.0095
					1-Mar-07													
					11-May-07													
					23-Aug-07	-0.011	0.0039	-0.015	0.0009	-0.003	-0.075	0.038	0.076	-0.01	0.0095	-0.029	-0.01	0.03
					12-Nov-07													
					14-Nov-07	-0.011	0.0036	-0.015	0.0009	-0.003	-0.075	0.032	0.043	0.0096	0.0064	-0.029	-0.01	0.02
					23-Mar-08													
					19-May-08													
					25-Aug-08	-0.004	-0.001	-0.015	0.0008	-0.003	-0.075	0.029	0.062	0.018	0.0058	-0.029	-0.015	0.023
					16-Oct-08	0.013	-0.001	-0.015	0.0008	-0.003	-0.075	0.017	0.051	0.0074	0.0036	-0.029	-0.015	0.0083
MW8D	NFK	Overburden	1,400,010	2,172,705	6-Sep-04			0.12	0.0028	-0.002	-0.16	0.026				-0.093		0.053
					19-Oct-04		0.014	0.12	0.0025	-0.002	-0.16	0.016	-0.037	-0.003	-0.005	-0.093		0.071
					15-Mar-05													
					15-Mar-05	0.019	0.0068	0.14	0.0026	-4E-04	-0.031	0.023	0.023	-0.001	0.0068	0.065		0.034
					12-May-05		0.011	0.14	0.0027	-4E-04	-0.031	0.015	0.042	0.0027	0.012	-0.065		0.05
					20-Aug-05	0.045	0.008	0.14	0.0024	-0.002	-0.078	0.028	0.13	-0.003	0.007			0.028
					6-Nov-05	0.028	0.0033	0.14	0.0024	-0.002	-0.078	0.029	0.092	-0.003	0.012			0.029
					10-Mar-06	-0.011	0.0089	0.11	0.0025	-0.003	-0.12		0.068	-0.01	0.0026		-0.01	0.025
					20-May-06	0.031	0.0087	0.067	0.0025	-0.003	-0.12	0.045	0.084	0.012	0.0034		-0.01	0.019
					20-Aug-06	0.023	0.0078	0.13	0.0026	-0.003	-0.19	0.032	0.072	-0.003	0.0081		-0.01	0.036
					25-Oct-06	-0.011	-0.005	0.088	0.0026	-0.003	-0.19	0.038	0.046	-0.01	0.0052	-0.029	-0.01	0.028
					17-Mar-07	-0.011	-0.005	0.12	0.0021	-0.003	-0.075	0.023	0.061	-0.003	0.002	-0.029	-0.01	0.032
					14-May-07	-0.011	0.0084	0.096	0.0026	-0.003	-0.075	0.026	0.1	0.033	0.0027	-0.029	-0.01	0.03
					21-Aug-07	-0.011	0.0074	0.12	0.0024	-0.003	-0.075	0.025	0.06	-0.01	0.0017	-0.029	-0.01	0.031
					15-Nov-07	-0.011	0.0072	0.12	0.0025	-0.003	-0.075	0.02	0.063	0.025	0.0012	-0.029	-0.01	0.042
					23-Mar-08													
					24-Mar-08	0.02	0.0066	0.11	0.0023	-0.003	-0.075	0.02	0.05	0.042	0.002	-0.029	-0.015	0.028
					20-May-08	-0.011	0.0058	0.12	0.0024	-0.003	-0.075	0.024	0.045	0.053	0.0013	-0.029	-0.015	0.044
					26-Aug-08	0.028	0.0062	0.11	0.0023	-0.003	-0.075	0.017	0.058	0.046	0.0018	-0.029	-0.015	0.03
					18-Oct-08	0.018	-0.005	0.11	0.0021	-0.003	-0.075	0.017	0.045	0.03	0.0015	-0.029	-0.015	0.025

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW8M	NFK	Overburden	1,399,996	2,172,691	6-Sep-04	-0.045		-0.013	0.0041	-0.002	-0.16	0.011	0.11			-0.093		
					19-Oct-04			-0.013	0.0039	-0.002	-0.16	0.0077	-0.037	-0.003	-0.005	-0.093		
					15-Mar-05	0.0086	0.0018	0.0062	0.0041	-4E-04	-0.031	0.0086	-0.011	0.004	0.0049	-0.02		-0.005
					15-Mar-05													
					12-May-05	0.012	-0.002	0.0073	0.0043	-4E-04	-0.031	-0.002	-0.011	-0.001	0.0028	-0.065		0.011
					20-Aug-05	0.029	0.002		0.0034	-0.002	-0.078	0.013	0.13	-0.003	-0.002	0.16		0.0095
					6-Nov-05	-0.011	-3E-04	-0.013	0.0032	-0.002	-0.078	0.011	0.066	-0.003	-0.002	-0.093		-0.001
					10-Mar-06	0.045	0.0032	-0.015	0.004	-0.003	-0.12	0.024	0.063	-0.01			-0.01	0.0028
					20-May-06	-0.011	0.0041	-0.015	0.004	-0.003	-0.12		0.076	0.0072	0.0029	0.17	-0.01	-8E-04
					20-Aug-06	-0.011	-0.001	-0.015	0.0042	-0.003	-0.19	0.02	0.076	-0.003	0.0035		-0.01	0.006
					25-Oct-06	-0.011	-0.001	-0.015	0.0037	-0.003	-0.19		0.068	-0.01	0.0022	-0.093	0.021	0.011
					26-Oct-06													
					17-Mar-07		-0.005	-0.015	0.0041	-0.003	-0.075	0.018		0.038		-0.093	-0.01	0.011
					14-May-07	0.026		-0.015	0.0043	-0.003	-0.075	0.02	0.11	-0.01	0.0032	0.25	-0.01	0.011
					20-Aug-07	-0.011	0.0029	-0.015	0.0041	-0.003	-0.075	0.02	0.073	-0.01	0.0019	-0.029	-0.01	0.0095
					15-Nov-07	-0.011	0.003	-0.015	0.0044	-0.003	-0.075	0.02	0.061	0.0099	0.0019	-0.029	-0.01	0.013
					22-Mar-08													
					24-Mar-08	0.021	-0.001	-0.015	0.0039	-0.003	-0.075	0.015	0.063	0.026	0.0028	-0.029	-0.015	0.0088
					20-May-08	-0.011	-0.001	-0.015	0.004	-0.003	-0.075	0.013	0.051	0.029	0.0018	-0.029	-0.015	0.0085
					26-Aug-08	-0.011	-0.001	-0.015	0.0038	-0.003	-0.075	0.018	0.07	0.028	0.0022	-0.029	-0.015	0.01
					18-Oct-08	0.011	-0.001	-0.015	0.0035	-0.003	-0.075	0.015	0.051	0.017	0.0017	-0.029	-0.015	0.0032
MW8S	NFK	Overburden	1,399,993	2,172,709	6-Sep-04		-0.007	-0.013	0.0026	-0.002	-0.16	-0.004		0.028	0.031	-0.093		-0.015
					19-Oct-04		-0.007	-0.013	0.0033	-0.002	-0.16	0.022	-0.037	0.026		-0.093		
					15-Mar-05													
					15-Mar-05	0.014	0.0039	0.0066	0.0031	-4E-04	-0.031	0.0065	0.036	-0.001	0.03			
					12-May-05	0.02	-0.002	0.0048	0.0044	-4E-04	0.079	0.0063	0.064	-0.001		-0.02		0.0065
					20-Aug-05	0.063		-0.013	0.0026	-0.002	-0.078	-0.004	0.14	-0.003	0.016			0.0061
					6-Nov-05	0.066	-3E-04	-0.013	0.0036	-0.002	-0.078	-0.004	0.1	-0.003	0.015	-0.093		-3E-04
					10-Mar-06	-0.011	0.0027	-0.015	0.0027	-0.003	-0.12	0.023	0.17	-0.01	0.0049		-0.01	-8E-04
					20-May-06	-0.011	0.0047	-0.015	0.003	-0.003	-0.12	0.024	0.3	0.0089	0.0062		-0.01	-8E-04
					20-Aug-06	-0.011	-0.001	-0.015	0.0047	-0.003	-0.19	0.019	0.23	-0.003	0.018	-0.093	-0.01	-0.001
					25-Oct-06	0.024	-0.001	-0.015	0.0043	-0.003	-0.19	0.019	0.21	-0.01	0.014	-0.029	-0.01	0.0033
					17-Mar-07	0.031	-0.005	-0.015	0.0025	-0.003	-0.075	0.0098	0.47	-0.003	0.0042	-0.093	-0.01	0.0048
					14-May-07	0.027	-0.001	-0.015	0.003	-0.003	-0.075	0.014	0.45	-0.01	0.0041	-0.093	-0.01	0.0048
					20-Aug-07	-0.011	-0.001	-0.015	0.0024	-0.003	-0.075	0.012	0.39	-0.01	0.0036	-0.093	-0.01	0.0044
					14-Nov-07													
					15-Nov-07	-0.011	-0.001	-0.015	0.0034	-0.003	-0.075	0.013	0.2	0.0069	0.0049	-0.029	-0.01	0.0061
					23-Mar-08	0.016		-0.015	0.0026		-0.075	0.011	0.54	0.016	0.0031	-0.029	-0.015	0.0056
					20-May-08	-0.011	-0.001	-0.015	0.003	-0.003	-0.075	0.01	0.41	0.023	0.0054	-0.093	-0.015	0.0046
					26-Aug-08		-0.001	-0.015	0.0021	-0.003	-0.075	0.0086	0.31	0.021	0.0073	-0.029	-0.015	0.0046
					18-Oct-08	0.015	-0.001	-0.015	0.0031	-0.003	-0.075	0.009	0.23	0.015	0.005	-0.029	-0.015	0.0058

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
MW9D	NFK	Overburden	1,373,505	2,150,026	6-Sep-04	-0.045	-0.007	0.038	0.0005	-0.002	-0.16	0.013	-0.037	0.028	0.024	-0.093		-0.015
					20-Oct-04		-0.007	-0.013	0.0005	-0.002	-0.16	-0.002	-0.037	-0.003	-0.005	-0.093		-0.015
					17-Mar-05													
					17-Mar-05	0.0097	0.0045	0.03	0.0003	-4E-04	-0.031	0.017	0.33	-0.001	0.005	0.19		
					15-May-05	0.02	0.0048	0.033	0.0006	-4E-04	-0.031	0.0097	0.037	0.0028	0.0031	-0.065		0.015
					21-Aug-05	-0.011	0.0044	-0.025	0.0003	-0.002	-0.078	0.013	0.07	-0.003	-0.002	0.11		0.012
					6-Nov-05													
					12-Mar-06													
					21-Aug-06	-0.011	0.0054	-0.015	0.0006	-0.003	-0.19	0.026	0.063	-0.003	0.0048	-0.093	-0.01	0.01
					30-Oct-06													
					1-Mar-07													
					2-Mar-07													
					11-May-07													
					23-Aug-07	-0.011	0.006	-0.015	0.0005	-0.003	-0.075	0.025	0.12	0.024	0.014	-0.093	-0.01	0.017
					23-Mar-08													
					17-May-08													
P0637D	UT	Bedrock	1,409,444	2,163,540	4-Nov-06	-0.011	0.025	0.29	0.054	0.01		-0.002	0.07	0.59	**1.4**		-0.01	0.25
					23-Mar-07	-0.011	0.02	0.31	0.064	0.0086	-0.075	-0.002	0.072	0.66	**1.5**	-0.029	-0.01	0.3
					15-May-07	-0.011	0.018	0.29	0.055	0.0091	-0.075	-0.002	0.14	0.65	**1.5**	-0.093	-0.01	0.25
					20-Aug-07	-0.011	0.019	0.31	0.06	0.01	-0.075	0.0096		0.66	**1.5**	-0.093	-0.01	0.28
					17-Nov-07	-0.011		0.3	0.06	0.0093	-0.075	-0.004	0.13	0.66	**1.5**	-0.029	-0.01	0.27
					25-Mar-08	0.015	0.014	0.29	0.056	-0.003	-0.075	0.005	0.09	0.7	**1.6**	-0.029	-0.015	0.25
					24-May-08		0.003	0.34	0.058	0.012	-0.075	0.0053	0.067	0.66	**1.4**	-0.029	0.063	0.24
					27-Aug-08	-0.011	0.018	0.34	0.059	0.013	-0.075	-0.002	0.06	0.7	**1.5**	-0.029	-0.015	0.26
					19-Oct-08	0.013	0.017	0.31	0.056	0.011	-0.075	-0.002	0.061	0.66	**1.5**	-0.029	-0.015	0.25
P0637M	UT	Bedrock	1,409,436	2,163,524	3-Nov-06	-0.011	0.033	-0.015	0.012	-0.003	-0.19	0.02	0.12	-0.01		-0.093	-0.01	0.13
					23-Mar-07	-0.011	0.036	-0.015	0.013	-0.003	-0.075	-0.004	0.075	-0.01	0.1	0.27	-0.01	0.13
					15-May-07	0.038		-0.015	0.014	-0.003	0.19	0.025		0.035			-0.01	0.15
					20-Aug-07	-0.011	0.031	-0.015	0.012	-0.003	-0.075	0.016	0.18	-0.01	0.068	0.21	-0.01	0.13
					17-Nov-07	-0.011	0.029	-0.015	0.013	-0.003	-0.075	0.014	0.37	0.015	0.049	-0.029	-0.01	0.13
					25-Mar-08	0.022	0.029	-0.015	0.013	-0.003	-0.075	0.0085	0.36	0.042	0.043	0.06	-0.015	0.12
					24-May-08	-0.011	0.014	-0.015	0.012	-0.003	-0.075	0.013	0.3	0.033	0.04	-0.029	-0.015	0.1
					27-Aug-08	-0.011	0.028	-0.015	0.013	-0.003	-0.075	-0.004	0.32	0.035	0.05	0.17	-0.015	0.13
					19-Oct-08	0.011	-0.005	-0.015		-0.003	-0.075			0.049	0.0075	-0.029	-0.015	

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
P0637S	UT	Overburden	1,409,431	2,163,508	3-Nov-06	-0.011	-0.005	-0.015	0.0045	-0.003	-0.19	0.011	0.072	-0.01	0.011	-0.093	-0.01	0.012
					23-Mar-07	-0.011	0.0099	-0.015	0.0051	-0.003	-0.075	0.015	0.071	-0.01	0.008	-0.029	-0.01	0.013
					15-May-07	-0.011	0.007	-0.015	0.005	-0.003	-0.075	0.03	0.091	0.042	0.0079	-0.029	-0.01	0.012
					20-Aug-07	-0.011	0.0072	-0.015	0.0048	-0.003	-0.075	0.03		-0.01	0.0064	-0.093	0.036	0.012
					17-Nov-07	-0.011	0.0061	-0.015	0.0049	-0.003	-0.075	0.033	0.099	0.028	0.015	-0.029	-0.01	0.014
					23-Mar-08													
					24-Mar-08	0.0081	0.0064	-0.015	0.0046	-0.003	-0.075	0.029	0.069	0.062	0.0052	-0.029	-0.015	0.013
					25-May-08		-0.001	-0.015	0.0046	-0.003	-0.075	0.042	0.11	0.058	0.012	-0.029	-0.015	-8E-04
					28-Aug-08	-0.011	0.0063	-0.015	0.0048	-0.003	-0.075	0.039	0.086	0.069	0.0089	-0.029	-0.015	0.016
					19-Oct-08	0.012		-0.015		-0.003	-0.075	0.0067	0.33	0.022		-0.093	0.034	
P0638D	UT	Bedrock	1,406,578	2,166,681	4-Nov-06													
					23-Mar-07													
					15-May-07													
					23-Aug-07	0.031	0.052	**4.9**	0.04	-0.003	-0.075	0.0069	0.1	0.24	**1.8**	-0.029	-0.01	0.12
					22-Mar-08													
					17-May-08													
P0638M	UT	Bedrock	1,406,562	2,166,691	27-Mar-08	**69**	0.013	0.69	0.066	0.043	0.4	0.18	**2.5**	**6.2**	**6.6**	**4.5**	0.43	
					22-May-08	**37**	0.011	0.59	0.043	0.024	0.17	0.11	**1.5**	**3.4**	**4.3**	**2.7**	0.042	
					27-Aug-08	0.033	0.0058	0.51	0.016	-0.003	-0.075	-0.004	0.074	0.043	**2.5**	-0.029	-0.015	
					21-Oct-08	0.041	-0.005	0.58	0.018	-0.003	-0.075	0.017	0.19	0.038	**1.8**	-0.029	0.15	
P4S	SFK	Overburden	1,405,224	2,155,643	8-Nov-05	0.049	0.0019	-0.025	0.013	-0.002	-0.078		0.17	0.012	0.033	0.28		
					9-Mar-06	-0.011	0.0043	0.042	0.011	-0.003	-0.12		0.14	0.025	0.024	-0.046	-0.05	0.033
					20-May-06	0.039	0.0072	0.032	0.027	-0.003	-0.12	0.026	0.27	0.0096	0.039	0.11	0.02	0.019
					19-Aug-06	0.03	0.0038	0.053	0.014	-0.003	-0.19	0.022	0.19	0.0073	0.023	0.36	-0.01	0.024
					26-Oct-06	0.06	-0.001	-0.015	0.022	-0.003	-0.19	0.016	0.74	-0.01		-0.029	-0.01	0.022
					16-Mar-07	0.032	-0.005	0.048	0.013	-0.003	-0.075	0.014	0.38	-0.01	0.018		-0.01	0.016
					13-May-07	-0.011	0.0062	-0.015	0.025	-0.003	0.15	0.02	0.33	0.064	0.042	-0.093	-0.01	0.015
					18-Aug-07	0.026	0.004	-0.015	0.013	-0.003	-0.075	0.023	0.4	-0.01	0.021	-0.029	-0.01	0.017
					9-Nov-07	-0.011	-0.001	-0.015	0.017	-0.003	0.21	0.026	0.27	0.043	0.023	-0.029	-0.01	0.018
					26-Mar-08	0.02	0.0037	-0.015	0.015	-0.003	-0.075	0.03	0.35	0.065	0.021	-0.029	-0.015	0.015
					20-May-08	0.026	-0.001	-0.015	0.029	-0.003	0.22	0.019	0.28	0.08	0.038	-0.029	-0.015	0.0074
					26-Aug-08	-0.011	0.0038	-0.015	0.014	-0.003	-0.075	0.016	0.17	0.046	0.019	-0.029	-0.015	0.014
					21-Oct-08	0.018	-0.005	-0.015	0.023	-0.003	0.18	0.019	0.47	0.071	0.031	-0.029	-0.015	0.023

Dissolved (Filtered)																
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
PQ4	SFK	Bedrock	1,401,059	2,157,434	9-Nov-05	**1.1**	0.044	0.99				0.018			**1.3**	0.4		0.92
					9-Mar-06	**1.7**	0.049	0.92	0.0032	0.0095	**3.1**	0.027	**330**	0.8	0.92		-0.05	0.91
					19-May-06	**2.5**		0.88		0.013	**2.6**	-0.002	**350**	0.74	0.95	0.3	-0.01	0.88
					18-Aug-06	**2.1**	0.046	0.88	0.0026	0.0087	**2.7**	0.013	**400**	0.76	**1.1**	0.35	-0.01	0.99
					28-Oct-06	**1.7**	0.046	0.77	0.0025	0.0089	**2.3**	-0.002	**390**	0.76	**1.1**	0.23	-0.01	0.93
					16-Mar-07	**2.5**	0.045	0.73	0.0024	-0.006	**2.5**	0.028	**390**	0.67	0.94	-0.19	-0.01	0.92
					12-May-07		0.0027			-0.003		0.024				-0.093	-0.01	
					18-Aug-07	**2.5**	0.043	0.76	0.0022	0.012	**2.5**	0.022	**450**	0.67	**1.1**	0.32	-0.01	1
					17-Nov-07	**2.5**	0.041	0.71	0.0021	0.011	**2.5**	0.021	**410**	0.64	1	-0.093	-0.01	0.99
					25-Mar-08	**2.3**	0.039	0.71	0.0021	-0.006	**2.4**	0.018	**430**	0.62	0.96	0.13	-0.015	0.9
					24-May-08	**2.4**	0.021	0.71	0.0021	0.0074	**2.4**	0.016	**400**	0.58	0.95	-0.093	-0.015	0.93
					28-Aug-08	**2.4**	0.042	0.73	0.0021	-0.003	**2.7**	0.017	**430**	0.61	0.99	0.19	-0.015	0.97
					21-Oct-08	**2.5**	0.043	0.76	0.002	0.009	**2.6**	0.011	**410**	0.62	1	-0.093	0.056	0.99
SRK2	UT	Overburden	1,406,192	2,159,585	23-Mar-05		0.0041	0.19	0.091	0.0051	0.067	0.11						0.16
					23-Mar-05													
					15-May-05	0.032	0.0056	0.17	0.099	-4E-04	-0.031	0.029	0.024	0.026	**1.6**	-0.02	-0.63	0.19
					19-Aug-05	0.054		0.18	0.094	-0.002	-0.078	0.031	0.11	0.045	**1.5**	0.18		0.17
					7-Nov-05	0.036	0.0066	0.17	0.1	-0.002	-0.078	0.068	0.089	0.059	**1.5**	-0.093		0.18
					9-Mar-06	0.049	0.01	0.13	0.1	-0.003	-0.12	0.066	0.074	0.063	**1.5**	-0.024	-0.05	0.17
					20-May-06	0.039	0.0046	0.16	0.11	-0.003	-0.12	0.079	0.19	0.055	**1.5**	0.19	-0.01	
					19-Aug-06	0.038	0.0029	0.2	0.11	-0.003	-0.19	0.051	0.12	0.047	**1.5**	0.37	-0.01	0.18
					26-Oct-06	0.04	-0.001	0.11	0.097	-0.003	-0.19	0.12	0.13	0.085	**1.5**	-0.029	0.038	0.19
					16-Mar-07	0.067	-0.003	0.15	0.1	-0.006	-0.15	0.07	-0.037	0.06	**1.4**	-0.057	-0.01	0.18
					15-May-07	0.031	0.0046	0.14	0.11	-0.003	-0.075	0.04	0.14	0.12	**1.6**	-0.029	-0.01	0.19
					19-Aug-07	0.035	0.0043	0.17	0.11	-0.003	-0.075	0.021	0.1	0.055	**1.6**	-0.029	-0.01	0.2
					9-Nov-07	0.034	-0.001	0.15	0.11	-0.003	-0.075	0.023	0.16	0.088	**1.5**	-0.029	-0.01	0.19
					27-Mar-08	0.033	-0.001	0.12	0.097	-0.003	-0.075	0.02	0.068	0.1	**1.5**	-0.029	-0.015	0.18
					20-May-08	0.17	-0.001	0.16	0.1	-0.003	-0.075	0.045	0.073	0.14	**1.6**	-0.029	-0.015	0.18
					27-Aug-08	0.03	0.0028	0.14	0.094	-0.003	-0.075	0.0099	0.052	0.13	**1.5**	-0.029	-0.015	0.17
					20-Oct-08	0.04		0.15	0.099	-0.003	-0.075	0.014	0.053	0.11	**1.6**	-0.029	-0.015	0.18

Dissolved (Filtered)																	
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
SRK3	UT	Bedrock	1,406,856	2,158,120	8-Nov-05	-0.011		0.048	0.38	-0.002	0.16		0.099	0.19	2.6			
					9-Mar-06	0.026		-0.015	0.36	-0.003	-0.12	0.016	0.13	0.17	2.6		-0.01	0.073
					20-May-06		0.0043	-0.015	0.4	-0.003	-0.12	0.015	0.14	0.19	2.7		0.02	
					19-Aug-06	0.051	-0.001	0.058	0.38	-0.003	-0.19	0.013	0.2	0.15	2.6		-0.01	0.069
					26-Oct-06	-0.011	-0.001	-0.015	0.39	-0.003	-0.19	0.006	0.083	0.15	3	-0.093	-0.01	0.081
					16-Mar-07	-0.023	-0.003	-0.031	0.42		-0.15	0.021	0.11	0.19	3	-0.057	-0.01	0.077
					13-May-07	-0.011	0.0045	-0.015	0.4	-0.003	-0.075	-0.002	0.063	0.26	2.9	-0.093	-0.01	0.072
					19-Aug-07	-0.011	-0.001	-0.015	0.4	-0.003	-0.075	-0.002	0.052	0.14	2.8	-0.029	-0.01	0.073
					9-Nov-07	-0.011	0.0037	0.035	0.48	-0.003	-0.075	0.011	0.053	0.2	3.3	-0.029	-0.01	0.076
					27-Mar-08	0.025	-0.001	-0.015	0.38	-0.003	-0.075			0.31	2.8	-0.029	-0.015	0.066
					20-May-08	0.049	-0.001	0.06	0.4	-0.003	-0.075	0.0053	0.11	0.25	3	-0.029	-0.015	0.068
					26-Aug-08	-0.011	-0.001	0.07	0.41	-0.003	-0.075	-0.002	0.1	0.31	2.9	-0.029	-0.015	0.067
					20-Oct-08	-0.011		0.059	0.42	-0.003	-0.075	-0.002	0.071	0.28	3.3	-0.029	-0.015	0.069
SRK5D	SFK	Bedrock	1,401,946	2,154,185	24-Sep-04	-0.14	-0.007	-0.013	0.0027	-0.002	-0.16	0.0081	0.83	-0.003	0.15	-0.093		0.25
					18-Mar-05													
					14-May-05	0.038	0.0055	0.018	0.0009	-4E-04	0.19	-0.002	1.5	-0.001	0.039	-0.065	-0.63	0.27
					18-Aug-05	0.044	0.0033	-0.025	0.0007	-0.002	-0.078	0.021	1.4	0.0098	0.037	-0.029	1.9	0.25
					8-Nov-05													
					10-Mar-06													
					18-May-06													
					18-Aug-06	-0.011	0.0046	0.047	0.0005	-0.003	-0.19	0.0092	1.2	-0.003	0.0099	0.21	-0.01	0.25
					27-Oct-06													
					1-Mar-07													
					12-May-07													
					18-Aug-07													
					22-Mar-08													
					20-May-08													

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Mn	Pb	Hg	Mo
					Most Stringent ADEC Criterion (µg/L)	87	5.6	10	1000	4	0.1	24	2.7	1000	50	0.54	0.05	10
					Date	Ratio to Criterion												
SRK5M	SFK	Overburden	1,401,955	2,154,197	25-Sep-04	-0.14		0.026	0.0061	-0.002	-0.16	0.01	0.29	-0.003	0.042	-0.093		0.12
					20-Oct-04	-0.14	-0.007	-0.013	0.0056	-0.002	-0.16	-0.002	0.18	-0.003	0.023	-0.093		0.29
					18-Mar-05	0.011	0.0036	0.02	0.0067	-4E-04	-0.031	0.0047	0.087	-0.001	0.012	0.084		0.16
					14-May-05	0.046	-0.002	0.028	0.007	-4E-04	-0.031	-0.002	0.086	-0.001	0.008			0.16
					18-Aug-05	-0.011		0.063	0.006	-0.002	-0.078	0.017	0.15	0.01	0.015	0.17		0.12
					8-Nov-05	-0.011	-3E-04	-0.013	0.0061	-0.002	-0.078	-0.004	0.12	-0.003	0.0087	-0.093		0.12
					10-Mar-06	-0.011	0.004	-0.015	0.0064	-0.003	-0.12	0.021	0.17	-0.01	0.012	-0.046	-0.05	0.11
					18-May-06	0.024	0.0046	-0.015	0.0061	-0.003	-0.12	0.011	0.15	-0.003	0.0042	0.18	0.034	0.11
					17-Aug-06	-0.011	0.0034	0.07	0.0062	-0.003	-0.19	0.0098	0.14	-0.003	0.014	0.2	-0.01	0.12
					27-Oct-06	-0.011	-0.005	0.049	0.0063	-0.003	-0.19	-0.002	0.17	-0.01		-0.029	-0.01	0.12
					13-Mar-07		-0.005	-0.015	0.0063	-0.003	-0.075	-0.004	0.22	-0.01		-0.093	-0.01	0.11
					12-May-07					0.0063		0.021				-0.093	-0.01	
					18-Aug-07	-0.011	0.0031	0.031	0.0061	-0.003	-0.075	0.0068	0.35	-0.003	0.01	-0.029	-0.01	0.12
					10-Nov-07	-0.004	0.0028	-0.015	0.0072	0.011	-0.075	0.0088	0.12	-0.003	0.012	-0.029	0.024	0.14
					22-Mar-08	0.017	0.003	-0.015	0.0063	-0.003	-0.075	0.011	0.11	0.031	0.0094	-0.029	-0.015	0.12
					21-May-08	-0.011	-0.001	0.039	0.0065	-0.003	-0.075	0.005	0.12	0.028	0.014	-0.029	-0.015	0.12
					26-Aug-08	-0.011	-0.001	-0.015	0.0061	-0.003	-0.075	-0.004	0.12	0.027	0.013	0.077	-0.015	0.1
					22-Oct-08	-0.011	-0.005	-0.015	0.0064	-0.003	-0.075	0.0071	0.11	0.022	0.011	-0.029	-0.015	0.12
SRK5S	SFK	Overburden	1,401,976	2,154,174	25-Sep-04	-0.14	0.021	-0.013	0.0059	-0.002		0.045	0.16	0.0084		0.26		0.032
					20-Oct-04	-0.14	-0.007	-0.013	0.0049	-0.002	-0.16	-0.002	0.079	-0.003	0.047	-0.093	-2	0.031
					18-Mar-05	0.039	0.0042	0.0036	0.0055	0.0012	-0.031	0.025	0.1	0.0069	0.031		-0.63	0.037
					14-May-05	0.06	-7E-04	-0.002	0.0082	0.0011	-0.031	0.011	0.066	0.0065	0.028	0.14	-0.63	0.026
					18-Aug-05	0.055	0.0026	-0.025	0.0051	-0.002	-0.078	0.028	0.16	0.0064	0.024	0.28		0.032
					8-Nov-05	0.066	-3E-04	-0.013	0.0069	-0.002	-0.078	0.019	0.14	-0.003	0.02	-0.093	-0.62	0.023
					10-Mar-06	0.097	0.0072	-0.015	0.0071	-0.003	-0.12	0.034	0.15	-0.01	0.024	0.17	-0.05	0.026
					18-May-06	0.07	0.0034	-0.015	0.0064	-0.003	-0.12	0.013	0.096	-0.003	0.021	-0.024	-0.01	0.026
					17-Aug-06	0.069	0.0027	-0.015	0.0075	-0.003	-0.19	0.026	0.16	-0.003	0.028	-0.093	-0.01	0.029
					27-Oct-06	0.064	-0.001	-0.015	0.0064	-0.003	-0.19	0.017	0.11	-0.01	0.028	-0.029	-0.01	0.033
					13-Mar-07	0.09	-0.001	-0.015	0.0052	-0.003	-0.075	0.03	0.12	-0.003	0.025	-0.029	-0.01	0.039
					12-May-07	0.064	0.0051	-0.015	0.0059	-0.003	-0.075	0.011	0.18	0.032	0.036	0.23	-0.01	
					18-Aug-07	0.072	-0.001	-0.015	0.0055	-0.003	-0.075	0.024	0.14	-0.01	0.019	-0.029	-0.01	0.034
					7-Nov-07													
					10-Nov-07	0.028	-0.001	-0.015	0.0052		-0.075	0.03	0.12	0.012	0.018	-0.029	-0.01	0.046
					22-Mar-08	0.12	-0.001	-0.015	0.0049	-0.003	-0.075	0.04	0.15	0.025	0.019	-0.029	-0.015	0.034
					21-May-08	0.032	-0.001	-0.015	0.0042	-0.003	-0.075	0.021	0.11	0.016	0.013	-0.029	-0.015	0.036
					26-Aug-08	0.037	-0.001	-0.015	0.0049	-0.003	-0.075	0.02	0.11	0.012	0.017	-0.029	-0.015	0.034
					22-Oct-08	0.073		-0.015	0.0049	-0.003		0.011	0.1	0.0076	0.013		-0.015	0.031

Dissolved (Filtered)																		
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
KPP4	SFK	Overburden	1,406,227	2,155,596	22-Mar-05	0.035	0.01	-0.005	-0.009	0.01	0.089	2.85	0.0031	0.012	0.06	0.014	-0.24	-0.086		0.021
					14-May-05	0.15	0.0076	-0.005	-0.009	0.0098	-0.014	2.75	0.0032	0.01	0.27	0.014	-0.24	-0.086		0.033
					19-Aug-05	0.091	-0.017	-0.01	-0.013	0.011	-0.021	2.70	0.0029	0.012	0.13	0.011	-0.24	-0.086		0.04
					7-Nov-05	0.062	-0.017	-0.01	-0.013	0.014	-0.021	3.05	0.0029	0.006	-0.029	0.017	-0.48	0.2		0.014
					9-Mar-06	0.068	-0.034	-0.01	-0.01	-0.001		3.00	0.003	0.012	-0.024	0.009	-0.24	-0.28		0.03
					19-May-06	0.066	-0.034	-0.01	-0.01	0.011	0.016	2.70	0.003	0.013	0.049	0.017	-0.24	0.24		0.049
					19-Aug-06	0.064	-0.034	-0.01	-0.021	0.01	0.033	2.70	0.0032	0.013	-0.093	0.019	-0.14	-0.086	-0.015	0.034
					26-Oct-06	0.12	-0.034	-0.01	-0.021	0.0069	-0.014	3.10	0.003	0.006	-0.093	0.025	-0.14	-0.28	-0.015	0.011
					15-Mar-07	0.12	-0.034	-0.01	-0.021	0.01	0.046	2.90	0.0026	0.011	-0.093	0.01	-0.48	-0.086	-0.015	0.026
					13-May-07	0.086	-0.034	-0.01	-0.021	0.0053	-0.014	2.65	0.0033	0.011	-0.093	0.015	-0.14	-0.086		0.038
					17-Aug-07	0.057	-0.034	-0.01	-0.021	0.0099	-0.014	2.60	0.0026	0.011	-0.029	0.012	-0.14	0.67		0.042
					9-Nov-07	0.078	-0.034	-0.01	-0.021	0.012	0.045	3.00	0.0026	0.0053	-0.029	0.014	-0.14	-0.086		0.017
					26-Mar-08	0.066	-0.034	-0.01	-0.021	0.0094	0.01	2.90	0.0026	0.012	-0.029	0.013	0.29	0.19		0.058
					21-May-08	0.056	-0.034	-0.01	-0.021	0.0098	-0.014	2.70	0.0025	0.009	-0.029	0.013	-0.14	-0.086		0.065
					26-Aug-08	0.052	-0.034	-0.01	-0.021	0.008	-0.004	2.70	0.0038	0.012	-0.029	0.037	-0.14	-0.28		0.046
					20-Oct-08	0.061	-0.034	-0.01	-0.021	0.01	-0.014	2.85	0.0027	0.0076	-0.029	0.014	-0.14	-0.28		0.032
MW10	NFK	Bedrock	1,382,991	2,165,430	21-Oct-04	0.032	-0.034	-0.01	-0.052	0.0055	0.052	**1.00**	0.0037	0.017	0.25	-0.004	-0.24	-0.086		-0.015
					20-Mar-05	0.01	0.027	-0.005	-0.009	0.0052	-0.007	1.05	0.0031	0.02	0.064	-0.004	-0.24	-0.086		0.012
					12-May-05	0.013	0.024	-0.005	-0.009	0.0048	-0.007	**0.85**	0.003	0.014	-0.065	-0.004	-0.24	-0.086		0.015
					20-Aug-05		-0.017	-0.01	0.027	0.0047	-0.021	**1.00**	0.0025	0.016	0.23	-0.004	**1.1**	-0.086		0.0097
					6-Nov-05	0.028	-0.017	-0.01	-0.013	0.0068	0.046	1.10	0.0027	0.015	0.22	0.0085	-0.24	-0.086		0.014
					12-Mar-06	0.022	-0.034	-0.01	-0.01	0.0034	0.087	1.10	0.0028	0.019		-0.004	-0.24	-0.28		0.019
					23-May-06	0.022	-0.034	-0.01	-0.01	0.0048		**1.00**	0.0031	0.016		0.0093	-0.24	-0.28		
					20-Aug-06	0.022	-0.034	-0.01	-0.021	-0.003	0.047	**0.80**	0.0026	0.015	0.19	0.011	-0.14	-0.086	-0.015	0.013
					29-Oct-06	0.026	-0.034	-0.01	-0.021		-0.014	1.05	0.0024	0.015	-0.093	-0.004	-0.14	0.65	-0.015	0.02
					18-Mar-07	0.015	-0.034	-0.01	-0.021	0.007	0.034	**1.00**	0.0026	0.016	-0.093	-0.004	-0.14	-0.086	-0.015	0.012
					14-May-07	0.018	-0.034	-0.01	-0.021	-0.002	-0.014	1.10	0.0032	0.016	-0.093	0.0088	-0.14	-0.28		0.021
					23-Aug-07	0.014	-0.034	-0.01	-0.021	-0.002	0.029	**0.90**	0.0021	0.015	-0.093	-0.004	-0.14	-0.086		0.012
					15-Nov-07	0.017	-0.034	-0.01	-0.021	0.0044		**0.90**	0.0025	0.015	-0.029	-0.004	-0.14	0.63		0.01
					22-Mar-08	0.019	-0.034	-0.01	-0.021	0.0048	0.015	1.05	0.0024	0.017	-0.029	-0.004	-0.14	0.55		0.015
					19-May-08	0.016	-0.034	-0.01	-0.021	0.0037	-0.014	1.05	0.0021	0.012	-0.029	-0.004	-0.48	-0.086		0.022
					25-Aug-08		-0.034	-0.01	-0.021	0.0047	-0.014	1.05	0.0014	0.016	-0.029	-0.004	-0.14	-0.28		0.015
					17-Oct-08	0.022	-0.034	-0.01	-0.021	0.0045	0.054	1.05	0.0023	0.013	-0.029	-0.004	-0.14	-0.086		0.022

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW11D	SFK	Overburden	1,398,347	2,126,294	21-Oct-04	-0.006	-0.034	-0.01	-0.052	-0.002	-0.007	**0.80**	0.0045	0.028	-0.093	-0.004	-0.24	-0.086		-0.015
					21-Mar-05	0.026	0.0068	-0.005	-0.009	0.0022	0.016	**0.85**	0.0033	0.031	0.086	-0.004	-0.24	-0.086		0.025
					13-May-05	0.024	0.0087	-0.005	-0.009	0.0024	-0.007	**0.80**	0.0032	0.026	-0.065	-0.004	-0.24	-0.086		0.027
					16-Aug-05		-0.017	-0.01	-0.013	0.0033	-0.021	**0.80**	0.0031	0.026	0.2	-0.004	-0.24	-0.086		0.023
					10-Nov-05	0.031	-0.017	-0.01	-0.013	-0.001	-0.021	**0.80**	0.0032	0.027	-0.093	-0.004	-0.24	0.34		0.026
					22-Mar-06	0.026	-0.034	-0.01	-0.01	-0.001	0.03	**1.00**	0.003	0.028	-0.024	-0.004	-0.24	-0.086		0.021
					21-May-06	0.031	-0.034	-0.01	-0.01	0.0028		1.10	0.003	0.026	0.12	-0.004	-0.24	-0.28		
					21-Aug-06	0.024	-0.034	-0.01	-0.021	-0.003		**0.80**	0.0031	0.026		0.013	-0.14	-0.086	-0.015	0.027
					1-Nov-06	-0.006	-0.034	-0.01	-0.021		-0.004	**0.80**	0.0033	0.024	-0.029	-0.004	-0.14	0.43	-0.015	0.03
					22-Mar-07		-0.034	-0.01	-0.021	-0.002	0.051	**1.00**	0.0033	0.025	-0.093	0.0085	-0.14	-0.086	-0.015	0.021
					10-May-07	0.024	-0.034	-0.01	-0.021	-0.002	-0.014	1.15	0.0033	0.024	-0.029	0.0093	-0.14	-0.086		0.028
					21-Aug-07	0.02	-0.034	-0.01	-0.021	-0.002	0.044	**1.00**	0.0028	0.023	-0.029	-0.004	-0.14	0.35		0.023
					11-Nov-07	0.013	-0.034	-0.01	-0.021	-0.002	-0.014	**0.80**	0.0026	0.024	-0.029	-0.004	-0.14	-0.086		0.024
					20-Mar-08	0.022	-0.034	-0.01	-0.021	-0.002	0.026	**0.85**	0.0026	0.024	0.084	-0.004	0.56	-0.086		0.022
					18-May-08	0.016	-0.034	-0.01	-0.021	-0.002	-0.014	**0.85**	0.0027	0.024	-0.029	-0.004	-0.14	-0.086		0.022
					24-Aug-08		-0.034	-0.01	-0.021	-0.002	-0.014	**0.85**	0.0021	0.028	0.097	0.0082	-0.48	-0.28		0.0053
					22-Oct-08	0.032	-0.034	-0.01	-0.021	-0.002	-0.014	**0.85**	0.0031	0.022	-0.029	0.012	-0.14	-0.28		0.022
MW11M	SFK	Overburden	1,398,341	2,126,307	21-Oct-04	-0.006	-0.034	-0.01	-0.052	-0.001	-0.007		0.0037	0.025	-0.093	-0.004	-0.24	-0.086		-0.015
					21-Mar-05	0.048	0.011	-0.005	-0.009	0.0006	0.027	**0.75**	0.0034	0.025	0.11	-0.004	-0.24	-0.086		0.015
					13-May-05	0.035	0.012	-0.005	0.031	0.0003	-0.014	**0.70**	0.0035	0.024	-0.02	-0.004	-0.24	-0.086		0.034
					16-Aug-05	0.046	-0.017	-0.01	-0.013	0.0033	-0.007	**0.70**	0.0032	0.023	0.14	-0.004	0.58	0.24		0.029
					11-Nov-05	0.02	-0.017	-0.01	-0.013	0.0032	-0.021	**0.65**	0.0028	0.023	-0.093	-0.004	-0.24	-0.086		0.024
					22-Mar-06	0.021	-0.034	-0.01	-0.01	-0.001	0.05	**0.65**	0.0029	0.023	-0.046	-0.004	-0.24	-0.086		0.013
					21-May-06	0.028	-0.034	-0.01	-0.01	-0.001	0.015	**0.70**	0.0029	0.022	0.064	-0.004	-0.24	-0.086		
					21-Aug-06	0.022	-0.034	-0.01	-0.021	-0.003	0.035	**0.65**	0.0039	0.024		0.0095	-0.14	-0.086	-0.05	0.025
					1-Nov-06	0.017	-0.034	-0.01	-0.021	0.011	-0.004	**0.60**	0.0032	0.02	-0.029	-0.004	-0.14	0.31	-0.015	0.02
					22-Mar-07	0.043	-0.034	-0.01	-0.021	-0.002	0.028	**0.70**	0.0035	0.019	-0.029	0.0085	-0.14	-0.086	-0.015	0.017
					10-May-07	0.024	-0.034	-0.01	-0.021	-0.002	-0.014	**0.65**	0.0034	0.019	-0.093	0.0088	-0.14	-0.086		0.019
					21-Aug-07	0.021	-0.034	-0.01	-0.021	-0.002	0.069		0.0029	0.02	-0.093	-0.004	-0.14	0.39		0.024
					11-Nov-07	0.0089	0.083	-0.01	-0.021	-0.002	0.029	**0.65**	0.0025	0.021	-0.029	-0.004	-0.14	-0.086		0.021
					19-Mar-08	0.012	-0.034	-0.01	-0.021	-0.002	0.043	**0.70**	0.0029	0.019	-0.029	-0.004	-0.14	-0.086		0.021
					18-May-08	0.014	-0.034	-0.01	-0.021	-0.002	-0.014	**0.70**	0.003	0.02	-0.029	-0.004	-0.14	-0.086		0.025
					24-Aug-08	0.011	-0.034	-0.01	-0.021	-0.002	0.062	**0.65**	0.0029	0.021	-0.029	-0.004	-0.14	-0.28		0.024
					22-Oct-08	0.015	-0.034	-0.01	-0.021	-0.002	-0.014	**0.65**	0.0028	0.018	-0.029	0.0093	-0.14	-0.28		0.022

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW11S	SFK	Overburden	1,398,338	2,126,323	21-Oct-04	0.027	-0.034	-0.01	-0.052	-0.001	-0.007	**0.80**	0.004			-0.004	-0.24	-0.086		-0.015
					21-Mar-05	0.021	0.0077	-0.005	-0.009	0.0014	0.029	**0.80**	0.0033	0.025		-0.004	-0.24	-0.086		0.016
					13-May-05	0.042	0.0086	-0.005	-0.009	0.001	-0.007	**0.75**	0.0033	0.024		-0.004	-0.24	-0.086		0.023
					16-Aug-05	0.038	-0.034	-0.019	-0.026	-0.002	-0.042	**0.75**	0.0031	0.023		-0.004	0.96	0.2		0.023
					11-Nov-05	0.04	-0.017	-0.01	-0.013	0.0027	-0.021	**0.80**	0.0029	0.021		-0.004	-0.24	-0.086		0.018
					22-Mar-06		-0.034	-0.01	-0.01	-0.001	0.043	**0.85**	0.0029	0.023	-0.024	-0.004	-0.24	-0.086		0.025
					21-Aug-06	0.053	-0.034	-0.01	0.068	-0.003		**0.75**	0.0037	0.023		0.0098	-0.14	0.22	-0.015	0.019
					1-Nov-06	0.04	-0.034	-0.01	-0.021	-0.003	-0.004	**1.00**	0.003	0.019	-0.029	-0.004	-0.14	0.52	-0.015	0.016
					22-Mar-07	0.061	-0.034	-0.01	-0.021	-0.002	0.028	**1.00**	0.0035	0.019	-0.029	0.0082	-0.14	-0.086	-0.015	0.016
					10-May-07															
					21-Aug-07	0.057	-0.034	-0.01	-0.021	-0.002	0.034	**0.70**	0.0029	0.019	-0.029	-0.004	-0.14	0.41		0.024
					11-Nov-07	0.057	-0.034	-0.01	-0.021	-0.002	-0.014	**0.75**	0.0028	0.018	-0.029	-0.004	0.5	0.26		0.019
					20-Mar-08	0.051	-0.034	-0.01	-0.021	-0.002	0.021	**0.90**	0.0028	0.022	-0.029	0.008	0.35	-0.086		0.027
					18-May-08		-0.034	-0.01	-0.021	-0.002	-0.014	**0.75**	0.0022	0.019	-0.029	0.013	-0.14	0.19		0.024
					24-Aug-08	0.033	-0.034	-0.01	-0.021	-0.002	-0.004	**0.75**	0.0021	0.018	-0.029	0.023	-0.14	-0.28		0.024
					22-Oct-08	0.034	-0.034	-0.01	-0.021	-0.002	-0.014	**0.75**	0.0026	0.016	-0.029	-0.004	-0.14	-0.28		0.017
MW11SS	SFK	Overburden	1,398,360	2,126,302	11-Nov-05	0.073	-0.017	-0.01	-0.013	-0.001		**0.55**	0.0034	0.0047	-0.093	-0.004	-0.24	-0.086		-0.005
					23-Mar-06															
					22-Aug-06	0.067	-0.034	-0.01	-0.021	-0.003		**0.35**	0.0027	0.0036		0.02	-0.14	0.25	-0.015	0.0064
					1-Nov-06	0.049	-0.034	-0.01	-0.021	-0.003	0.2	**0.55**	0.0026	0.0041	-0.093	-0.004	-0.14	0.45	-0.015	-0.0016
					1-Mar-07															
					10-May-07															
					21-Aug-07	0.037	-0.034	-0.01	-0.021	-0.002	0.062	**0.43**	0.0025	0.004	-0.029	-0.004	-0.14	-0.086		0.0052
					20-Mar-08	0.036	-0.034	-0.01	-0.021	-0.002	0.049	**0.48**	0.0027	0.0034	-0.029	-0.004	-0.14	-0.086		0.01
					18-May-08	0.049	-0.034	-0.01	-0.021	-0.002	-0.014	**0.39**	0.0025	0.0027	-0.093	-0.004	-0.14	0.29		0.021
					24-Aug-08	0.043	-0.034	-0.01	-0.021	-0.002	-0.014	**0.43**	0.0021	0.0039	-0.029	0.0085	-0.14	-0.28		0.013
					22-Oct-08	0.036	-0.034	-0.01	-0.021	-0.002	0.044	**0.49**	0.0027	0.0029	-0.029	-0.004	-0.14	-0.28		0.0044
MW12D	SFK	Bedrock	1,399,179	2,155,575	19-Aug-05		0.36	-0.01	-0.013	-0.001	0.068	1.60	0.0041	0.15	0.11	0.02	-0.24	-0.086		0.01
					8-Nov-05	0.089	0.34	-0.01	0.03		0.05	1.65	0.0037	0.14	-0.093	0.023	-0.24	-0.086		0.014
					24-Mar-06	0.086	0.31	-0.01	-0.01	0.0067	0.039	2.20	0.0038	0.15	-0.024	0.017	-0.24	-0.28		0.017
					19-May-06	0.071	0.33	-0.01	-0.01	0.0079		1.80	0.0038	0.14		0.032	-0.24	-0.086		
					18-Aug-06	0.13	0.3	-0.01	-0.021	0.0098		1.60	0.0036	0.14	0.24	0.022	-0.14	-0.086	-0.015	0.0088
					28-Oct-06	0.068	0.3	-0.01	-0.021	0.0084	0.035	1.75	0.003	0.13	-0.029	0.021	-0.14	-0.28	-0.015	0.012
					13-Mar-07	0.077	0.31	-0.01	-0.021	0.01	0.029	1.50	0.0032	0.13	-0.093	0.022	-0.48	-0.086	-0.015	0.0093
					12-May-07	0.084	0.35	-0.01	-0.021	0.0045	0.028	1.60	0.0037	0.13	-0.093	0.027	-0.48	-0.086		0.01
					17-Aug-07	0.062	0.27	-0.01	-0.021	0.0058	-0.014	1.60	0.0032	0.13	-0.029	0.022	-0.14	0.39		0.011
					10-Nov-07	0.047		0.032	-0.021	-0.002	0.041	1.60	0.0033	0.13	-0.029	0.025	-0.14	-0.086		0.009
					26-Mar-08		0.33	-0.01	-0.021	0.0058	0.039	1.70	0.0032	0.13	-0.029	0.023	0.44	0.51		0.016
					21-May-08	0.043	0.29	-0.01	-0.021	0.0045	-0.014	1.65	0.0034	0.13	-0.029	0.029	-0.48	-0.086		0.019
					28-Aug-08	0.05	0.33	-0.01	-0.021	0.0048	-0.014	1.65	0.0034	0.14	0.17	0.023	-0.14	-0.086		0.0039
					21-Oct-08	0.064	0.33	-0.01	-0.021	0.0052	-0.014	1.65	0.0031	0.13	-0.029	0.023	-0.14	-0.28		0.015

Dissolved (Filtered)																			
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW12S	SFK	Overburden	1,399,199	2,155,589	19-Aug-05		-0.017	-0.01	-0.013	0.0032	0.076	9.00	0.0038	0.86	0.15	0.047	-0.24	-0.086		0.0033
					9-Nov-05	0.25	-0.017	-0.01	-0.013	-0.001	0.046	9.00	0.0036	0.86	-0.093	0.057	-0.24	-0.086		-0.005
					24-Mar-06	0.16	-0.034	-0.01	-0.01	-0.001	0.049		0.0033	0.82	-0.024	0.031	-0.24	0.69		-0.0016
					19-May-06	0.14	0.18	-0.01	-0.01	-0.001	0.028	9.00	0.0032	0.7	-0.024	0.056	-0.24	0.18		-0.005
					18-Aug-06	0.14	0.16	-0.01	-0.021	-0.003	0.062	9.50	0.0032	0.74	-0.093	0.048	-0.14	-0.086	-0.015	-0.0016
					28-Oct-06	0.17	0.2	-0.01	-0.021	0.01	0.046	8.50		0.79	-0.029	0.18	-0.14	-0.28	-0.015	-0.0016
					12-Mar-07	0.21	0.49	-0.019	-0.042	-0.003	-0.028	8.50	0.0026	0.51	-0.11	0.049	-0.14	-0.086	-0.015	0.0049
					12-May-07	0.17	0.94	-0.01	-0.021	-0.002	-0.014	8.00	0.0031	0.56	-0.029	0.053	-0.48	-0.086		-0.005
					17-Aug-07	0.16	0.38	-0.01	-0.021	-0.002	0.031	8.50	0.0025	0.62	-0.029	0.052	-0.14	0.41		0.0044
					10-Nov-07	0.13	0.33	-0.01	-0.021	-0.002	0.041	8.50	0.0028	0.68	-0.029	0.056	-0.14	0.27		-0.0016
					26-Mar-08	0.1	-0.13		-0.083	-0.006	-0.017	9.00	0.0027	0.73	-0.11	0.051	-0.14	0.66		0.0072
					21-May-08	0.11	-0.034	-0.01	-0.021	-0.002	-0.014	9.50	0.0026	0.69	-0.029	0.053	-0.14	-0.086		-0.0016
					28-Aug-08		-0.034	-0.01	-0.021	-0.002	0.032	9.50	0.0028	0.72	-0.029	0.06	-0.14	0.2		-0.001
					21-Oct-08	0.19	-0.034	-0.01	-0.021	-0.002	0.045	9.50	0.0026	0.64	-0.029	0.053	-0.14	-0.28		-0.0016
MW13D	SFK	Bedrock	1,376,786	2,127,185	22-Aug-05	0.074	-0.017	-0.01	-0.013		0.073		0.0034			0.014	-0.24	-0.086		0.0078
					12-Nov-05		-0.017	-0.01	-0.013	0.01	-0.021	1.35	0.0033	0.016	-0.093	0.0088	-0.24	-0.086		0.016
					21-Mar-06	0.11	-0.034	-0.01	-0.01	-0.001	0.074	1.05	0.0032	0.015	-0.024	-0.004	-0.24	-0.086		0.015
					22-May-06	0.037	-0.034	-0.01	-0.01	0.0038	0.041	1.15	0.0033	0.014	0.26	0.0095	-0.24	-0.086		0.02
					24-Aug-06	0.062	-0.034	-0.01	-0.021	-0.003		1.20	0.0034	0.013	-0.093	0.017	-0.14	-0.086	-0.015	0.014
					31-Oct-06	0.03	-0.034	-0.01	-0.021	0.0056	-0.014	1.10	0.0028	0.011	-0.093	-0.004	-0.14	0.26	-0.015	0.017
					18-Mar-07	0.037	-0.034	-0.01	-0.021	0.0051	0.036	1.10	0.0029	0.011	-0.029	-0.004	-0.14	-0.086	-0.015	0.016
					11-May-07	0.036	-0.034	-0.01	-0.021	0.0033	-0.014	1.10	0.0035	0.012		0.0098	-0.14	-0.086		0.016
					22-Aug-07	0.02	-0.034	-0.01	-0.021	-0.002	0.029	**0.90**	0.0024	0.01	-0.029	0.0077	-0.14	0.22		0.012
					14-Nov-07	0.026	-0.034	-0.01	-0.021	-0.002	-0.014	1.05	0.0028	0.011	-0.029	-0.004	-0.14	-0.086		0.016
					22-Mar-08	0.042	-0.034	-0.01	-0.021	-0.002	0.055	1.05	0.0028	0.01	-0.029	-0.004	-0.14	-0.086		0.021
					17-May-08	0.062	-0.034	-0.01	-0.021	-0.002	-0.014	1.10	0.0028	0.011	-0.029	-0.004	-0.14	-0.086		0.018
					24-Aug-08	0.042	-0.034	-0.01	-0.021	-0.002	-0.014	1.05	0.0018	0.011	-0.029	-0.004	-0.14	-0.28		0.019
					15-Oct-08	0.029	-0.034	-0.01	-0.021	-0.002	0.036	**1.00**	0.0022	0.0096	-0.029	-0.004	-0.48	-0.086		0.018
MW13S	SFK	Overburden	1,376,803	2,127,170	22-Aug-05	0.04	-0.017	-0.01	-0.013	0.0036	-0.021	**0.65**	0.0017	0.011	0.12	-0.004	-0.24	-0.086		-0.0016
					11-Nov-05	0.052	-0.017	-0.01	-0.013	0.0042	0.054	**0.70**	0.0034	0.011	-0.093	-0.004	-0.24	-0.086		0.023
					21-Mar-06	0.038	-0.034	-0.01	-0.01	-0.001	0.055	**0.60**	0.0029	0.012	-0.046	-0.004	-0.48	-0.086		0.01
					22-May-06	0.023	-0.034	-0.01	-0.01	-0.001	0.034	**0.60**	0.0037	0.011	0.14	-0.004	-0.24	-0.086		0.044
					24-Aug-06	0.029	-0.034	-0.01	-0.021	-0.003		**0.75**	0.0024	0.011	-0.093	-0.004	-0.14	-0.086	-0.015	0.0081
					31-Oct-06	0.032	-0.034	-0.01	-0.021		-0.004	**0.70**	0.0033	0.0088	-0.093	-0.004	-0.14	0.44	-0.015	0.028
					18-Mar-07	0.038	-0.034	-0.01	-0.021	0.0044	-0.014		0.0027	0.011	-0.093	-0.004	-0.14	-0.086	-0.015	0.016
					11-May-07	0.027	-0.034	-0.01	-0.021	-0.002		**0.65**	0.003	0.009		0.0077	-0.14	-0.086		0.017
					22-Aug-07	0.02	-0.034	-0.01	-0.021	-0.002	0.07	**0.65**	0.0014	0.0086	-0.093	-0.004	-0.14	0.2		0.0061
					14-Nov-07	0.037	-0.034	-0.01	-0.021	-0.002	-0.014	**0.75**	0.0029	0.0094	-0.029	-0.004	-0.14			0.013
					22-Mar-08		-0.034	-0.01	-0.021	-0.002	0.025	**0.65**	0.0026	0.0099	-0.029	-0.004	-0.14	-0.086		0.018
					17-May-08	0.024	-0.034	-0.01	-0.021	-0.002	-0.014	**0.70**	0.0023	0.0094	-0.029	-0.004	-0.48	-0.086		0.017
					24-Aug-08	0.073	-0.034	-0.01	-0.021	-0.002	0.028	**0.70**	0.0009	0.0089	0.11	-0.004	-0.14	-0.28		-0.005
					15-Oct-08	0.082	-0.034	-0.01	-0.021	-0.002	-0.014	**0.80**	0.0022	0.01	-0.029	0.0088	-0.48	-0.086		0.013

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW14D	SFK	Bedrock	1,405,524	2,131,544	10-Nov-05		-0.017	-0.01	-0.013	0.0053		2.90	0.029	0.18	-0.093	0.018	-0.24	**1.6**		-0.005
					23-Mar-06		-0.034	-0.01	-0.01	0.0039	0.064	3.30	0.029	0.23	-0.024	0.012	-0.24	**1.6**		-0.0016
					21-May-06	0.13	-0.034	-0.01	-0.01	0.0028	0.027	3.30	0.019	0.17	0.087	0.018	-0.24	**1.2**		0.025
					23-Aug-06	0.15	-0.034	-0.01	0.047			3.20	0.024	0.24	-0.093	0.012	-0.14	0.59	-0.015	-0.0016
					3-Nov-06	0.15	-0.034		-0.021	-0.003	0.031	3.55	0.033	0.38	-0.093	-0.039	-0.14	0.92	-0.015	-0.0016
					20-Mar-07	0.23	-0.034	-0.01	-0.021	-0.002	0.033	3.55	0.038	0.36	-0.029	0.014	-0.14	0.8	-0.015	-0.0016
					9-May-07	0.21	0.092	-0.01	-0.021	-0.002	-0.014	3.95	0.057	0.52	-0.093	0.014	-0.14	0.65		-0.005
					20-Aug-07	0.13	-0.034	-0.01	-0.021	-0.002	0.071	3.55	0.04	0.38	-0.029	0.0088	-0.14	0.97		0.0092
					12-Nov-07	0.13	-0.034	-0.01	-0.021	0.0032	0.032	3.70	0.052	0.54	-0.029	0.011	-0.14	0.7		0.0038
					19-Mar-08	0.13	-0.034	-0.01	-0.021	-0.002	0.022	4.25	0.058	0.64	-0.029	0.01	-0.14	0.53		-0.005
					22-May-08															
					23-May-08	0.064	-0.034	-0.01	-0.021	0.0032	0.049		0.0031		-0.029	0.051	-0.48	0.34		-0.0016
					25-Aug-08															
					26-Aug-08	0.12	-0.034	-0.01	-0.021	0.0032	0.032	4.40	0.052	0.7	-0.029	0.013	-0.14	0.68		-0.005
					22-Oct-08	0.14	-0.034	-0.01	-0.021	0.0033	0.04	4.35	0.045	0.62	-0.029	0.011	-0.14	-0.28		-0.0016
MW14S	SFK	Overburden	1,405,507	2,131,554	10-Nov-05	0.041	-0.017	-0.01	-0.013	0.0029	-0.021	1.45	0.0032	0.039	-0.029	0.01	-0.48	-0.086		0.026
					23-Mar-06	0.041	-0.034	-0.01	-0.01	-0.001		1.50	0.0033	0.032		-0.004	-0.24	-0.28		0.027
					21-May-06	0.058	-0.034	-0.01	-0.01	0.0031	0.027		0.0046	0.037	0.051	0.0095	-0.48	-0.28		0.033
					23-Aug-06	0.036	-0.034	-0.01	-0.021		-0.014	1.40	0.004	0.038	-0.093	0.012	-0.14	-0.086	-0.015	0.021
					2-Nov-06	0.053	-0.034	-0.01	-0.021		0.036	1.45	0.0028	0.036	-0.029	-0.004	-0.14	-0.086	-0.015	0.019
					20-Mar-07	0.064	-0.034	-0.01	-0.021	-0.002	0.052	1.55	0.004	0.031	0.27	0.011	-0.14	-0.086	-0.015	0.023
					9-May-07	0.055	-0.034	-0.01	-0.021	-0.002	-0.014	1.55	0.0041	0.034	-0.029	0.011	-0.14	-0.086		0.025
					19-Aug-07	0.1	-0.034	-0.01	-0.021	-0.002	0.034	1.45	0.0031	0.03	-0.029	-0.004	-0.14	0.62		0.028
					12-Nov-07	0.035	-0.034	-0.01	-0.021	-0.002	-0.014	1.40	0.0028	0.038	-0.029	0.0088	-0.14	-0.086		0.024
					20-Mar-08	0.079	-0.034	-0.01	-0.021	-0.002	0.034	1.55	0.0032	0.03	-0.029	0.0082	-0.14	-0.086		0.038
					22-May-08	0.036	-0.034	-0.01	-0.021	-0.002		1.45	0.0035	0.036	-0.029	0.01	-0.48	-0.086		0.032
					25-Aug-08	0.068	-0.034	-0.01	-0.021	-0.002		1.40	0.0022	0.036	-0.029	0.0093	-0.14	-0.28		0.027
					21-Oct-08	0.049	-0.034	-0.01	-0.021	-0.002	-0.014	1.45	0.0025	0.033	-0.029	0.01	-0.14	-0.28		0.028
MW1D	SFK	Bedrock	1,378,229	2,124,916	23-Sep-04	0.026	-0.034	-0.01	-0.052	0.0037	0.036	**0.90**	0.0033	0.025	-0.093	0.026	-0.24	-0.086		-0.05
					22-Oct-04	0.017	-0.034	-0.01	-0.052	-0.002	-0.021		0.0048	0.031	-0.093	-0.004	-0.24	-0.086		-0.015
					21-Mar-05	0.032	0.03	-0.005	-0.009	0.0029		**0.90**	0.0038	0.031	0.068	0.011	-0.24	-0.086		0.012
					13-May-05	0.015	0.028	-0.005	-0.009	0.0025	-0.014	**0.85**	0.0035	0.029	-0.065	0.009	-0.24	-0.086		0.018
					17-Aug-05		0.068	-0.01	-0.013	0.0029	-0.021	**1.00**	0.0033	0.028	0.12	0.009	-0.48	0.18		0.0093
					11-Nov-05	0.03	-0.017	-0.01	-0.013	0.0039	-0.021	**0.90**	0.0034	0.03	-0.093	-0.004	-0.24	-0.086		0.016
					21-Mar-06	0.024	-0.034	-0.01	-0.01	-0.001	0.029	1.05	0.0034	0.031	-0.024	-0.004	-0.24	-0.086		0.02
					22-May-06	0.018	-0.034	-0.01	-0.01	0.0029	-0.007	**1.00**	0.0033	0.029	0.065	0.012	-0.48			0.024
					22-Aug-06	0.03	-0.034	-0.01	-0.021	-0.003	0.039	**0.85**	0.0033	0.03	-0.093	0.012	-0.14	-0.086	-0.015	0.032
					31-Oct-06	0.016	-0.034	-0.01	-0.021		-0.004	**0.80**	0.0028	0.028	-0.093	-0.004	-0.14	0.35	-0.015	0.018
					19-Mar-07	0.032	-0.034	-0.01	-0.021	-0.002	-0.014	1.05	0.0029	0.027	-0.029	-0.004	-0.48	-0.086	-0.015	0.011
					10-May-07	0.018	-0.034	-0.01	-0.021	-0.002	-0.014	**0.85**	0.0036	0.028	-0.093	0.012	-0.14	-0.086		0.013
					22-Aug-07	0.022	-0.034	-0.01	-0.021	-0.002		**0.85**	0.003	0.027	0.21	0.0093	-0.14	0.23		0.012
					13-Nov-07	0.016	-0.034	-0.01	-0.021	-0.002	-0.014	**0.90**	0.003	0.028	-0.029	0.009	-0.14	-0.086		0.013
					21-Mar-08	0.03	-0.034	-0.01	-0.021	-0.002	0.024	**1.00**	0.0031	0.027	-0.029	0.01	-0.14	-0.086		0.016
					17-May-08	0.019	-0.034	-0.01	-0.021	-0.002	-0.014	**1.00**	0.0028	0.028	-0.029	0.0093	-0.14	-0.086		0.034
					24-Aug-08	0.023	0.078	-0.01	-0.021	-0.002	-0.014	**1.00**	0.0025	0.028	-0.029	0.009	-0.14	-0.086		0.016
					16-Oct-08	0.022	-0.034	-0.01	-0.021	-0.002	0.049	**1.00**	0.0034	0.026	-0.029	0.018	-0.14	-0.086		0.014

Dissolved (Filtered)																			
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW1M	SFK	Overburden	1,378,241	2,124,910	24-Sep-04	0.039	-0.034	-0.01	-0.052	0.0039		**0.90**	0.0038	0.021	-0.093	-0.013	-0.24	-0.086		
					29-Oct-04	0.022	-0.034	-0.01	-0.052	-0.001		**1.00**	0.004	0.023	0.3	-0.004	0.54	-0.086		0.033
					21-Mar-05	0.045	0.027	-0.005	-0.009	0.0015		**0.85**	0.0036	0.027	0.15	0.01	-0.24	0.26		0.009
					13-May-05	0.04	0.025	-0.005	-0.009	0.0012	0.88	**0.85**	0.0033	0.024	0.21	0.009	-0.24	-0.086		0.018
					17-Aug-05	0.05	-0.017	-0.01	-0.013	0.0058		**0.90**	0.0033	0.023	-0.029	-0.004	-0.24	-0.086		0.0086
					11-Nov-05	0.033	0.036	-0.01	-0.013	-0.001	0.51	**0.80**	0.0032	0.026	-0.029	0.0095	-0.24	-0.086		0.015
					22-Mar-06	0.034	-0.034	-0.01	-0.01	-0.001	0.43	**0.70**	0.0033	0.028	0.46	-0.004	-0.48	-0.086		0.0064
					22-May-06	0.035	-0.034	-0.01	-0.01	-0.001	0.51	**1.00**	0.0032	0.019	-0.046	0.011	-0.24	-0.28		0.041
					22-Aug-06	0.034	-0.034	-0.01	-0.021	-0.003	0.34	**1.00**	0.0032	0.019	-0.029	0.025	-0.48	0.43	-0.015	0.017
					31-Oct-06	0.035	-0.034	-0.01	-0.021		0.39	**0.75**	0.003	0.024	-0.029	-0.004	-0.14	0.35	-0.015	0.011
					19-Mar-07	0.061	-0.034	-0.01	-0.021	-0.002	0.46	**0.70**	0.003	0.026		-0.004	-0.14	-0.086	-0.015	0.014
					10-May-07	0.047	-0.034	-0.01	-0.021	-0.002	0.36	**0.85**	0.0035	0.024	-0.029	0.012	-0.14	-0.086		0.012
					22-Aug-07	0.039	-0.034	-0.01	-0.021	-0.002	0.31	**0.90**	0.0028	0.017	-0.093	0.0098	-0.14	0.21		0.01
					12-Nov-07	0.045	-0.034	-0.01	-0.021	-0.002	0.37	**0.90**	0.003	0.02	-0.029	0.0088	-0.14	-0.086		0.014
					21-Mar-08	0.045	-0.034	-0.01	-0.021	-0.002	0.37	**0.90**	0.003	0.025	0.2	0.0093	0.54	-0.28		0.011
					17-May-08	0.021	-0.034	-0.01	-0.021	-0.002	0.25	1.05	0.003	0.021	-0.029	0.009	-0.14	-0.086		0.013
					24-Aug-08	0.027	-0.034	-0.01	-0.021	-0.002	0.2	**1.00**	0.003	0.02	-0.029	0.012	-0.14	-0.28		0.015
					15-Oct-08	0.033	-0.034	-0.01	-0.021	-0.002	0.25	**1.00**	0.0028	0.018	-0.029	0.011	-0.48	-0.086		0.013
MW1S	SFK	Overburden	1,378,210	2,124,924	25-Sep-04	0.042	-0.034	-0.01	-0.052	0.0029	0.017	**0.28**	0.0039	0.0083	-0.093	-0.004	-0.24	-0.086		-0.015
					29-Oct-04	0.015	-0.034	-0.01	-0.052	-0.001	-0.021	**0.25**	0.0019	0.0072	-0.093	-0.004	-0.24	-0.086		-0.015
					20-Mar-05															
					13-May-05	0.045	0.013	-0.005	0.027	0.0001	0.033	**0.18**	0.0035	0.0044	-0.065	-0.004	-0.24	-0.086		0.022
					17-Aug-05	0.05	-0.017	-0.01	-0.013	0.0033	-0.021	**0.20**	0.0038	0.0068		-0.004	-0.24	-0.086		0.018
					11-Nov-05	0.03	-0.017	-0.01	-0.013	-0.001	-0.021	**0.20**	0.0036	0.0068		-0.004	-0.24	-0.086		0.02
					21-Mar-06	0.04	-0.034	-0.01	-0.01	-0.001	0.059	**0.45**	0.0033	0.0088	-0.024	-0.004	-0.24	0.24		0.011
					22-May-06	0.023	-0.034	-0.01	-0.01	-0.001	0.046	-0.08	0.0047	0.004	0.15	-0.004	-0.24	-0.28		0.031
					22-Aug-06	0.062	-0.034	-0.01	-0.021	-0.003	0.049	-0.08	0.0044	0.0052	-0.093	-0.004	-0.14	0.21	0.034	0.046
					31-Oct-06	0.044	-0.034	-0.01	-0.021	0.0091	-0.014	-0.08	0.0036	0.0041	-0.029	-0.004	-0.14	0.57	-0.015	0.028
					19-Mar-07	0.036	-0.034	-0.01	-0.021	-0.002	0.031	**0.45**	0.0032	0.0085	-0.029	-0.004	-0.48	-0.086	-0.015	0.0099
					10-May-07	0.03	-0.034	-0.01	-0.021	-0.002	-0.014	-0.08	0.0037	0.0051	-0.093	-0.004	-0.14	-0.086		0.014
					22-Aug-07	0.029	-0.034	-0.01	-0.021	-0.002	0.047	**0.25**	0.0027	0.0061	-0.093	-0.004	-0.14	0.22		0.018
					13-Nov-07	0.025	-0.034	-0.01	-0.021	-0.002	-0.014	**0.19**	0.0027	0.0055	-0.029	-0.004	-0.14	-0.086		0.018
					21-Mar-08	0.038	-0.034	-0.01	-0.021	-0.002	0.057	**0.47**	0.0027	0.0082	-0.029	-0.004	0.54	-0.086		0.011
					17-May-08	0.023	-0.034	-0.01	-0.021	-0.002	-0.014	-0.08	0.0032	0.005	-0.029		-0.14	-0.086		0.015
					24-Aug-08	0.07	-0.034	-0.01	-0.021	-0.002	-0.014	**0.44**	0.0026	0.0067	-0.029	-0.004	-0.14	-0.086		-0.001
					16-Oct-08	0.016	-0.034	-0.01	-0.021	-0.002	0.031	**0.26**	0.0021	0.0055	-0.093	-0.004	-0.14	-0.086		0.015

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW2D	UT	Overburden	1,399,458	2,121,675	7-Sep-04		-0.034	-0.01	-0.052	0.016	-0.007		0.0036	0.006	-0.093	0.012	-0.24	-0.086		
					20-Oct-04															
					29-Oct-04															
					30-Oct-04	-0.006	-0.034		-0.052	0.019	-0.007	1.25	0.0038	0.0066	-0.093	-0.004	-0.24	0.17		-0.015
					22-Mar-05	0.048	0.0072	0.021	-0.009	0.021	-0.007	1.25	0.0034	0.006	-0.02	0.0093	-0.24	-0.086		0.004
					16-May-05	0.034	0.007	-0.005	-0.009	0.021	-0.014	1.25	0.0033	0.0059	-0.065	0.0085	-0.24	-0.086		0.008
					17-Aug-05	0.044	-0.017	-0.01	-0.013	0.021	-0.021	1.30	0.0031	0.0057	-0.029	-0.004	-0.24	0.17		0.0038
					12-Nov-05	0.043	-0.017	-0.01	-0.013	0.022	-0.021	1.30	0.0031	0.0059	-0.093	-0.004	-0.24	-0.086		-0.005
					23-Mar-06	0.04	-0.034	-0.01	-0.01	0.017	0.033	1.40	0.0032	0.0062		-0.004	-0.24			0.012
					21-May-06	0.04	-0.034	-0.01	-0.01		0.018	1.40	0.0031	0.006		0.0098	-0.24			
					23-Aug-06	0.053	-0.034	-0.01	-0.021	0.023	0.045	1.35	0.0031	0.006	-0.093	0.009	-0.14	-0.086	-0.015	0.0097
					2-Nov-06	0.053	-0.034	-0.01	-0.021	0.029	0.046	1.40	0.0026	0.0051	0.2	-0.004	-0.14		-0.015	-0.0016
					22-Mar-07	0.047	-0.034	-0.01	0.051	0.018	0.031	1.45	0.0032	0.0057	-0.093	0.01	-0.14	-0.086	-0.015	-0.005
					11-May-07	0.05	-0.034	-0.01	-0.021	0.019	-0.014	1.30	0.0032	0.0056	-0.029	0.01	-0.14	-0.086		0.013
					22-Aug-07	0.061	-0.034	-0.01	-0.021	0.017	0.054	1.25	0.0025	0.0046	-0.029	-0.004	-0.14	-0.086		0.0082
					12-Nov-07	0.048	-0.034	-0.01	-0.021	0.015	-0.014	1.35	0.0026	0.005	-0.029	0.0082	-0.14	-0.086		0.0073
					21-Mar-08	0.063	-0.034	-0.01	-0.021	0.019	0.018	1.40	0.0026	0.0047	-0.029	0.011	-0.14			0.0088
					19-May-08	0.024	-0.034	-0.01	-0.021	0.019	-0.014	1.35	0.0019	0.005	-0.029	0.0095	-0.48			0.012
					24-Aug-08	0.025	-0.034	-0.01	-0.021	0.019		1.35	0.0025	0.0051	-0.029	0.01	-0.14			0.0057
					23-Oct-08	0.058	-0.034	-0.01	-0.021	0.019	-0.014	1.35	0.0029	0.0048	-0.093	0.014	-0.48			0.0066
MW3D	SFK	Overburden	1,400,181	2,136,068	23-Mar-05															
					16-May-05	0.015	0.17	-0.005	-0.009	0.0018	0.035	2.35	0.0035	0.11	0.3	0.022	-0.24	-0.086		0.024
					22-Aug-05		0.2	-0.01	-0.013	0.0025	-0.021	2.15	0.0032	0.11	0.59	0.018	-0.24	-0.086		0.02
					10-Nov-05															
					24-Mar-06				-0.052				0.0034	0.12		0.016	-0.48	0.59		0.039
					23-May-06	0.022	0.16	-0.01	-0.01	-0.001			0.0033	0.11	-0.046	0.028	-0.24	-0.28		0.017
					24-Aug-06															
					2-Nov-06	0.025	0.15	-0.01	-0.021	-0.003	-0.014	2.25	0.0028	0.11	-0.029	0.017	0.38		-0.015	0.0063
					1-Mar-07															
					9-May-07															
					10-May-07															
					16-Aug-07															
					17-Aug-07	0.036	0.14	-0.01	-0.021	-0.002	0.03	2.25	0.0029	0.11	0.37	0.021	-0.14	0.35		0.024
					11-Nov-07	0.028	0.16	-0.01	-0.021	-0.002	0.032	2.35	0.003	0.11	-0.029	0.021	-0.14	-0.086		0.025
					22-Mar-08															
					22-May-08	0.017	0.17	-0.01	-0.021	-0.002	-0.014	2.30	0.003		-0.029	0.018	1	-0.086		0.032
					27-Aug-08	0.029	0.14	-0.01	-0.021	-0.002	-0.014	2.30	0.0033	0.12	-0.029	0.046	-0.14	-0.28		0.005
					21-Oct-08	0.046	0.17	-0.01	-0.021	-0.002	0.066	2.45	0.0029	0.1	-0.029	0.019	-0.14	-0.28		0.026

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW5D	SFK	Bedrock	1,403,277	2,149,291	24-Sep-04	0.055		-0.01	-0.052		0.015		0.0043	0.23	0.34	0.1	-0.24	-0.28		
					19-Oct-04	0.053		-0.01	-0.052		-0.021	3.60	0.0043	0.24	0.21	0.055	-0.24	-0.086		-0.015
					18-Mar-05	0.034	0.038	-0.005	-0.009	0.0058	0.058		0.0037	0.25	0.075	0.08	-0.24	0.38		-0.0016
					11-May-05	0.034	0.033	-0.005	-0.009	0.0064	0.03		0.0036	0.24	-0.065	0.076	-0.24	0.27		-0.0016
					18-Aug-05	0.11	-0.017	-0.01	-0.013	0.0036	0.073	3.55	0.0034	0.25	-0.029	0.062	-0.48	-0.086		-0.0016
					9-Nov-05	0.069	-0.017	-0.01	-0.013	0.0059	0.066	3.60	0.0034	0.24	-0.093	0.068	-0.24	0.27		-0.005
					23-Mar-06	0.068	-0.034	-0.01	-0.01	-0.001	0.14	3.50	0.0035	0.25		0.041	-0.24	-0.28		0.051
					18-May-06	0.076	-0.034	-0.01	0.031	0.0026		3.50	0.0034	0.23	-0.024	0.076	-0.24	0.21		0.0069
					17-Aug-06	0.062	-0.034	-0.01	-0.021	-0.003	0.094	3.35	0.0035	0.24	-0.093	0.059	0.38	-0.28	-0.015	-0.0016
					29-Oct-06	0.099	-0.034	-0.01	-0.021	0.0063	0.047	3.40	0.0029	0.22	-0.093	0.061	0.58	-0.086	-0.015	-0.005
					15-Mar-07	0.09	-0.067	-0.019	-0.042	-0.003	0.11	3.40	0.0029	0.24	-0.057	0.061	-0.14	-0.086	-0.015	-0.0016
					13-May-07															
					19-Aug-07															
					22-Mar-08															
					24-May-08	0.038	-0.034	-0.01	-0.021	-0.002	0.072	3.35	0.0033	0.21	-0.029	0.074	0.98	-0.086		0.028
					25-Aug-08	0.047	-0.034	-0.01	-0.021	-0.002	0.065	3.35	0.0032	0.24	-0.029	0.065	-0.14	-0.28		-0.001
					22-Oct-08	0.076	-0.034	-0.01	-0.021	-0.002	0.072	3.35	0.0034	0.21	-0.029	0.071	-0.14	-0.28		-0.0016
MW5M	SFK	Overburden	1,403,295	2,149,289	7-Sep-04	0.047	-0.034	-0.01	-0.052		-0.021		0.0038	0.15	-0.093	0.063	-0.24	0.22		
					24-Sep-04															
					19-Oct-04	0.045	-0.034	-0.01	-0.052		-0.021		0.0044	0.14	-0.093	0.043	0.67	-0.086		-0.015
					23-Mar-05	0.049	-0.003	0.011	-0.009	0.0079	0.056				0.071					
					23-Mar-05							6.00	0.0037	0.13		0.056	-0.24	0.18		0.007
					11-May-05	0.011	-0.003	-0.005	-0.009	0.0061	0.055	6.00	0.0036	0.12	0.15	0.051	-0.24	-0.086		0.005
					18-Aug-05	0.11	-0.017	-0.01	-0.013		0.078	6.50	0.0035	0.12	0.061	0.045	-0.48	-0.086		
					9-Nov-05	0.083	-0.017	-0.01	-0.013	0.0085	0.049	6.50	0.0036	0.11	-0.093	0.051	-0.24	0.35		-0.005
					23-Mar-06	0.057	-0.034	-0.01	-0.01	0.0039	0.066	7.00	0.0036	0.12	-0.024	0.032	-0.24	-0.28		0.015
					18-May-06	0.066	-0.034	-0.01	-0.01	0.0045	0.044	6.50	0.0035	0.11	0.1	0.053	-0.24	0.35		0.0054
					17-Aug-06	0.053	-0.034	-0.01	-0.021	-0.003	0.056	6.50	0.0037	0.11	-0.093	0.045	-0.14	-0.086	-0.015	-0.0016
					28-Oct-06	0.073	-0.034	-0.01	-0.021	0.008	0.064	6.50	0.0031	0.12	0.24	0.045	-0.14	-0.28	-0.015	-0.0016
					15-Mar-07	0.069	-0.067	-0.019	-0.042	-0.003	-0.009	6.50	0.003	0.11	-0.19	0.047	-0.14	-0.086	-0.015	-0.0016
					13-May-07	0.072	-0.034	-0.01	-0.021	-0.002	-0.014	6.50	0.0037	0.11	-0.029	0.052	-0.14	-0.28		-0.005
					19-Aug-07		-0.034	-0.01	-0.021	-0.002	0.047	6.50	0.003	0.11	-0.029	0.047	-0.14	0.49		0.0032
					10-Nov-07	0.028	-0.034	-0.01	-0.021	-0.002	0.042	6.50	0.0031	0.12	-0.029	0.052	-0.14	0.25		-0.005
					21-Mar-08		-0.034	-0.01	-0.021	-0.002	0.019	6.50	0.0031	0.12	-0.029	0.047	0.44	0.59		-0.0016
					23-May-08	0.041	-0.034	-0.01	-0.021	-0.002							-0.48	-0.086		0.0063
					25-Aug-08	0.05	-0.034	-0.01	-0.021	0.0048	-0.014	6.50	0.0031	0.12	-0.029	0.067	-0.14	-0.28		-0.001
					23-Oct-08	0.11	-0.034	-0.01	-0.021	-0.002	-0.014	6.50	0.003	0.12	-0.029	0.048	-0.48	-0.28		-0.0016

Dissolved (Filtered)																			
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW5S	SFK	Overburden	1,403,290	2,149,307	7-Sep-04	0.16	-0.034	-0.01	-0.052	-0.001	-0.021	4.10	0.0047	0.0022	-0.093		-0.24	-0.086		
					19-Oct-04	0.29	-0.034	-0.01	-0.052	-0.001	-0.021	3.25	0.005	0.0036	-0.093	0.011	0.77	-0.086		
					18-Mar-05	0.28	-0.003	-0.005	-0.009	0.0027	0.038	3.50	0.0046	0.0034	0.18	0.021	-0.24			-0.0016
					11-May-05	0.32	-0.003	0.011	-0.009	0.0025	-0.014	2.70	0.0041	0.0034	-0.065	0.018	-0.24	-0.086		0.005
					18-Aug-05	0.28	-0.017	-0.01	-0.013		-0.021	2.95	0.0039	0.0026	0.14	0.016	-0.48	-0.086		-0.0016
					9-Nov-05	0.17	-0.017		-0.013	0.0043	-0.021	2.25	0.0038	0.0053	0.26	0.014	-0.24	0.18		-0.005
					23-Mar-06	0.2	-0.034	-0.01	-0.01	-0.001	0.051	3.50	0.0044	0.0021	-0.024	0.012	-0.24	-0.28		-0.0016
					18-May-06	0.26	-0.034	-0.01	-0.01	-0.001	0.037	3.30	0.0046	0.0023	0.15	0.021	-0.24	0.18		0.0076
					17-Aug-06	0.18	-0.034	-0.01	-0.021	-0.003	0.036	1.95	0.0041	0.004	-0.029	0.023	-0.14	-0.086	-0.015	0.0037
					29-Oct-06	0.22	-0.034	-0.01	-0.021	-0.003	-0.014	1.95	0.0036	0.0052	-0.093	0.012	-0.48	-0.28	-0.015	-0.005
					15-Mar-07	0.21	-0.034	-0.01	-0.021	0.0036	0.051	3.30	0.0047	0.0018	-0.093	0.014	-0.14	-0.086	-0.015	-0.0016
					13-May-07	0.24	-0.034	-0.01	-0.021	-0.002		3.40	0.0054	0.0025	-0.093	0.019	-0.14	-0.28		-0.005
					19-Aug-07	0.26	-0.034	-0.01	-0.021	-0.002	0.055	3.60	0.0046	0.0019	-0.093	0.015	-0.14	0.56		0.0092
					11-Nov-07	0.14	-0.034	-0.01	-0.021	-0.002	0.039	1.40	0.0047	0.0046	-0.029	0.015	-0.14	-0.086		0.0088
					21-Mar-08	0.15	-0.034	-0.01	-0.021	-0.002	0.021	3.35	0.0044	0.0017	-0.029	0.017	0.37	-0.086		0.0037
					24-May-08	0.11	-0.034	-0.01	-0.021	-0.002	-0.014	2.00	0.0047	0.0029	-0.029	0.032	-0.48	-0.086		0.0071
					25-Aug-08	0.14	-0.034	-0.01	-0.021	-0.002	-0.014	3.30	0.0047	0.0018	-0.029	0.02	-0.14	-0.28		-0.005
					22-Oct-08	0.21	-0.034	-0.01	-0.021	-0.002	-0.014	1.70	0.004	0.0034	-0.029	0.019	-0.14	-0.28		0.0049
MW6D	NFK	Overburden	1,382,247	2,168,259	7-Sep-04	0.017	-0.034	-0.01	-0.052	-0.001	-0.007	**0.90**	0.0029	0.011	-0.093		-0.24	-0.086		-0.015
					21-Oct-04	0.019	-0.034	-0.01	-0.052	0.0042	-0.007	**1.00**	0.0038	0.012	-0.093	-0.004	-0.24	-0.086		-0.05
					20-Mar-05	0.038	0.025	-0.005	-0.009	0.0031	0.03				0.13					
					20-Mar-05							**1.00**	0.0031	0.013		-0.004	-0.24	-0.086		0.12
					12-May-05	0.01	0.024	-0.005	-0.009	0.003	-0.014	**0.75**	0.0029	0.011	-0.065	0.0082	-0.24	-0.086		0.012
					20-Aug-05	0.043	-0.017	-0.01	-0.013	0.0043	-0.021	**0.90**	0.0025	0.012	0.14	-0.004	-0.24	-0.086		0.0038
					5-Nov-05		0.048	-0.01	-0.013	0.0058	0.058	**0.80**	0.0029	0.012		0.0082	-0.24	-0.086		0.01
					10-Mar-06	0.015	-0.034	-0.01	-0.01	-0.001	0.065	1.10	0.0028	0.014	-0.024	-0.004	-0.24	-0.28		0.0068
					23-May-06	0.012	-0.034	-0.01	-0.01	0.0036		**0.80**	0.0039	0.015	0.21	0.01	-0.24	-0.086		-0.0016
					20-Aug-06	0.029	-0.034	-0.01	-0.021	-0.003		**0.70**	0.0023	0.014	-0.093	0.011	-0.14	-0.086	0.089	0.066
					29-Oct-06	0.017	-0.034	-0.01	-0.021	0.0079	-0.004	**0.80**	0.0026	0.01	-0.093	-0.004	-0.14	-0.28	-0.015	0.015
					17-Mar-07	0.014	-0.034	-0.01	-0.021	0.0037	-0.014	**1.00**	0.0025	0.014	-0.029	-0.004	-0.14	-0.086	-0.015	0.023
					14-May-07	0.014	-0.034	-0.01	-0.021	-0.002	-0.014	1.05	0.0031	0.0087	-0.029	0.01	-0.14	-0.086		0.011
					21-Aug-07	0.015	-0.034	-0.01	-0.021	-0.002	0.044	**0.85**	0.002	0.011	-0.093	-0.004	-0.14	0.37		0.0063
					14-Nov-07															
					15-Nov-07	0.011	-0.034	-0.01	-0.021	-0.002	0.049	**0.70**	0.0026	0.013	-0.029	0.0077	-0.48	0.26		-0.0016
					23-Mar-08	0.015	-0.034	-0.01	-0.021	-0.002	0.023	**0.80**	0.0024	0.013	-0.029	0.01	-0.14	0.2		0.011
					19-May-08	-0.006	-0.034	-0.01	-0.021	-0.002	-0.004	**0.80**	0.002	0.013	-0.029	0.009	-0.48	-0.086		0.02
					25-Aug-08	0.011	-0.034	-0.01	-0.021	-0.002	-0.014	**0.85**	0.0014	0.012	-0.029	0.0085	-0.14	-0.28		-0.005
					18-Oct-08	0.014	-0.034	-0.01	-0.021	-0.002	-0.014	**0.75**	0.0027	0.012	-0.029	-0.004	-0.14	-0.086		0.0065

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW7D	NFK	Bedrock	1,373,320	2,150,208	6-Sep-04		-0.034	-0.01	-0.052	0.012	-0.021	**1.00**	0.0035		-0.093	0.026	0.52	-0.086		-0.015
					20-Oct-04	-0.006	-0.034	-0.01	-0.052	0.0088	-0.007	**1.00**	0.0037	0.0051	-0.093	-0.004	-0.24	-0.086		-0.015
					17-Mar-05							**0.85**	0.0034			0.012	-0.24	-0.28		0.008
					17-Mar-05	0.0091	0.0066	-0.005	-0.009	0.0097	-0.007				0.048					
					15-May-05	0.0047	0.01	0.0097	0.033	0.0097	-0.007	**1.00**	0.003	0.004	-0.065	0.011	-0.24	-0.086		0.005
					21-Aug-05	0.015	-0.017	-0.01	-0.013		-0.021	**0.85**	0.0028	0.0044	-0.029	0.0098	-0.24	-0.086		-0.0016
					12-Nov-05	0.014	-0.017	-0.01	-0.013	0.011	-0.021	**0.90**	0.0028	0.0034	-0.093	0.0077	-0.24	-0.28		0.011
					12-Mar-06	0.006	-0.034	-0.01	-0.01	0.0066	0.066	**0.50**	0.0029	0.0049		-0.004	-0.24	-0.28		0.016
					23-May-06	0.0073	-0.034	-0.01	-0.01	0.0094		**1.00**	0.003	0.0032	-0.024	0.014	-0.24	-0.086		0.0065
					21-Aug-06	0.016	-0.034	-0.01	-0.021	0.01	0.064	**0.80**	0.0028	0.0033	0.37	0.019	-0.14	-0.086	-0.015	0.0099
					30-Oct-06	0.024	-0.034	-0.01	-0.021	0.02	-0.004	1.05	0.0023	0.0025	-0.093	-0.004	-0.14	-0.28	-0.015	0.0066
					18-Mar-07	-0.006	-0.034	-0.01	-0.021	0.012	0.058	**1.00**	0.0024	0.0027	-0.093	-0.004	-0.14	-0.086	-0.015	0.0084
					11-May-07	0.015	-0.034	-0.01	-0.021	0.01	-0.014	**1.00**	0.0031	0.003	-0.029	0.012	-0.14	-0.086		0.013
					23-Aug-07	-0.006	-0.034	-0.01	-0.021	0.0052	0.051	**0.90**	0.0024	0.0027	-0.093	0.008	-0.14	-0.086		0.01
					14-Nov-07	0.01	-0.034	-0.01	-0.021	0.012	-0.014	**0.90**	0.0025	0.0026	-0.093	0.011	-0.14	-0.086		0.0099
					23-Mar-08	0.014	-0.034	-0.01	-0.021	0.0092	0.049	**0.90**	0.0025	0.0027		0.01	-0.14	0.33		0.013
					19-May-08	-0.006	-0.034	-0.01	-0.021	0.0095	-0.004	1.05	0.0018	0.0023	-0.029	0.017	-0.48	-0.086		0.0093
					25-Aug-08	0.0063	-0.034	-0.01	-0.021	0.0093	-0.004	1.05	0.0026	0.0025	-0.029	0.013	-0.14	-0.28		0.012
					16-Oct-08	0.01	-0.034	-0.01	-0.021	0.01	-0.014	1.05	0.0028	0.0024		0.018	-0.14	-0.086		0.012
MW7S	NFK	Overburden	1,373,301	2,150,213	24-Sep-04	0.091	-0.034	-0.01	-0.052	0.011	0.019	**0.90**	0.0046		-0.093	0.018	-0.24	-0.086		
					20-Oct-04	0.035	-0.034	-0.01	-0.052	0.011	-0.007	**0.80**	0.0034	0.0034	-0.093	-0.004	-0.24	-0.086		
					17-Mar-05							**0.90**	0.0031	0.0034		0.012	-0.24	-0.28		0.006
					17-Mar-05	0.078	-0.003	-0.005	-0.009	0.011	0.016				0.062					
					15-May-05	0.082	-0.003	-0.005	-0.009	0.0075	-0.014	**0.50**	0.0025	0.0025	-0.065	-0.004	-0.24	-0.086		0.011
					21-Aug-05	0.083	0.064	-0.01	-0.013	0.0091	-0.021	**0.75**	0.0028	0.0029	0.077	-0.004	-0.24	-0.086		0.009
					12-Nov-05	0.059	-0.017	-0.01	-0.013			**0.70**	0.0028	0.0027		-0.004	-0.24	-0.086		-0.005
					12-Mar-06	0.087	-0.034	-0.01	-0.01	0.0066	0.066	1.10	0.003	0.0032	-0.046	-0.004	-0.24	-0.28		0.0066
					21-Aug-06	0.071	-0.034		-0.021	0.012	0.055	**0.75**	0.0028	0.0028		0.017	-0.14	-0.086	-0.015	0.01
					30-Oct-06	0.066	-0.034	-0.01	-0.021	0.014	-0.014	**0.60**	0.0023	0.0021	-0.029	-0.004	-0.14	-0.28	-0.015	0.0068
					1-Mar-07															
					11-May-07															
					23-Aug-07	0.096	-0.034	-0.01	-0.021	0.0077	0.053	**0.90**	0.0028		-0.029		-0.14	-0.086		0.0081
					12-Nov-07															
					14-Nov-07	0.078	-0.034	-0.01	-0.021	0.0093	-0.014	**0.80**	0.0025	0.0025	-0.029	0.0088	-0.14	-0.086		0.012
					23-Mar-08															
					19-May-08															
					25-Aug-08	0.066	-0.034	-0.01	-0.021	0.0099	-0.004	**1.00**	0.0025	0.0025	-0.029	0.012	-0.14	-0.28		0.011
					16-Oct-08	0.04	-0.034	-0.01	-0.021	0.0058	-0.014	**0.60**	0.0021	0.0019	-0.029	0.0093	-0.14	-0.086		0.012

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW8D	NFK	Overburden	1,400,010	2,172,705	6-Sep-04	0.042	-0.034	-0.01	-0.052	0.011	-0.021	2.60	0.0031	0.0072	-0.093	0.013	-0.24	-0.086		-0.015
					19-Oct-04	0.022	-0.034	-0.01	-0.052	0.011	-0.021	2.55	0.003	0.0078	-0.093	-0.004	-0.24	-0.086		
					15-Mar-05							2.45	0.003	0.0076		0.012	1.2	-0.086		0.006
					15-Mar-05	0.027	0.011	-0.005	-0.009	0.012	-0.007				0.065					
					12-May-05		0.013	-0.005	-0.009	0.012	-0.007	2.55	0.0029	0.0073	-0.065	0.01	-0.24	-0.086		0.009
					20-Aug-05	0.081	-0.017	-0.01	-0.013	0.013	-0.021	2.55	0.0027	0.007		0.009	-0.24	-0.086		0.0048
					6-Nov-05		-0.017		-0.013	0.012	-0.021	2.65	0.0027	0.0073		0.01	-0.24	-0.086		0.0079
					10-Mar-06	0.031	-0.034	-0.01	-0.01	0.0066	0.066	2.60	0.0027	0.0073		-0.004	-0.24	-0.28		0.0072
					20-May-06	0.047	-0.034	-0.01	0.043	0.01	0.038	2.50	0.0027	0.0068		0.014	-0.24	0.18		0.012
					20-Aug-06	0.04	-0.034	-0.01	-0.021	0.011	0.03	2.65	0.0028	0.007		0.016	-0.48	-0.086	-0.015	0.011
					25-Oct-06	0.033	-0.034		-0.021	0.0074	-0.004	2.65	0.0028	0.007	-0.029	0.02	-0.14	-0.28	-0.015	0.013
					17-Mar-07	0.038	-0.034	-0.01	-0.021	0.014	-0.014	2.70	0.0028		-0.029	-0.004	-0.14	-0.086	-0.015	0.0081
					14-May-07	0.037	-0.034	-0.01	-0.021	0.0083	-0.014	2.50	0.003	0.0066	-0.029	0.013	-0.14	0.22		-0.005
					21-Aug-07	0.032	-0.034	-0.01	-0.021	0.01	0.054	2.50	0.0023	0.0056	-0.029	0.009	-0.14	0.43		0.0078
					15-Nov-07	0.044	-0.034	-0.01	-0.021	0.011	-0.014	2.60	0.0025	0.0063	-0.029	0.01	-0.14	-0.086		0.0032
					23-Mar-08															
					24-Mar-08	0.032	-0.034	-0.01	-0.021	0.011	0.016	2.65	0.0025	0.0058	-0.029	0.013	-0.14	0.22		0.011
					20-May-08	0.029	-0.034	-0.01	-0.021	0.012	-0.004		0.0025	0.0065	-0.029	0.01	-0.48	-0.086		0.015
					26-Aug-08	0.024	-0.034	-0.01	-0.021	0.011	-0.004	2.60	0.0028	0.0066	-0.029	0.021	-0.14	-0.28		-0.001
					18-Oct-08	0.041	-0.034	-0.01	-0.021	0.011	-0.014	2.60	0.0026	0.0056	-0.029	0.018	-0.14	-0.086		0.013
MW8M	NFK	Overburden	1,399,996	2,172,691	6-Sep-04		-0.034	-0.01	-0.052	-0.001	0.046	1.60	0.0035	0.0045	-0.093		-0.24	-0.086		-0.015
					19-Oct-04	0.013	-0.034	-0.01	-0.052	-0.001	-0.021	1.50	0.0033		-0.093	-0.013	0.58	-0.086		-0.015
					15-Mar-05							1.45	0.0029	0.0051		0.011	-0.48	-0.28		0.005
					15-Mar-05	0.0082	-0.003	-0.005	-0.009	0.0014	-0.007				-0.02					
					12-May-05	0.013	0.007	-0.005	-0.009	0.0016	-0.014	1.50	0.0028	0.0047	-0.065	0.0098	-0.24	-0.086		0.008
					20-Aug-05	0.036	0.036	-0.01	-0.013	-0.001	-0.021	1.55	0.0027	0.0044	0.16	0.008	-0.48	-0.086		0.0056
					6-Nov-05	0.02	-0.017	-0.01	-0.013	-0.001	-0.021	1.55	0.0027	0.0046	-0.093	-0.004	-0.24	-0.086		0.0038
					10-Mar-06	0.016	-0.034	-0.01	-0.01	-0.001		1.70	0.0028	0.0047		-0.004	-0.24	-0.28		0.005
					20-May-06	0.023	-0.034	-0.01	0.03	-0.001	0.045	1.65	0.0028	0.0058	0.17	0.013	-0.24	0.83		
					20-Aug-06	0.021	-0.034	-0.01	-0.021	-0.003		1.60	0.0029	0.0046		0.016	-0.14	-0.086	-0.015	0.0099
					25-Oct-06	0.021	-0.034	-0.01	-0.021	-0.003	-0.014	1.50	0.0031	0.0046	-0.093	0.017	-0.14	-0.28	-0.015	0.01
					26-Oct-06															
					17-Mar-07	0.024	-0.034	-0.01	-0.021	-0.002	0.035	1.70	0.0026	0.0037	-0.093	-0.004	-0.14	-0.086	-0.015	0.007
					14-May-07	0.024	-0.034	-0.01	-0.021	-0.002	0.039	1.55	0.0031	0.0045	0.25	0.012	-0.14	-0.086		-0.005
					20-Aug-07	0.021	-0.034	-0.01	-0.021	-0.002	0.077	1.55	0.0025	0.0034	-0.029	0.0082	-0.14	-0.086		0.0074
					15-Nov-07	0.025	-0.034	-0.01	-0.021	-0.002	0.057	1.55	0.0025	0.0041	-0.029	0.0098	-0.14	-0.086		-0.0016
					22-Mar-08															
					24-Mar-08	0.03	-0.034	-0.01	-0.021	-0.002	0.027	1.70	0.0024	0.0038	-0.029	0.0088	-0.14	-0.086		0.0095
					20-May-08	0.018	-0.034	-0.01	-0.021	-0.002	-0.014	1.70	0.0027	0.0037	-0.029	0.009	-0.48	-0.086		
					26-Aug-08		-0.034	-0.01	-0.021	-0.002	-0.014	1.60	0.0024	0.0038	-0.029	0.012	-0.14	-0.28		-0.005
					18-Oct-08	0.027	-0.034	-0.01	-0.021	-0.002	-0.014	1.50	0.0022	0.0035	-0.029	0.01	-0.14	-0.086		0.0083

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
MW8S	NFK	Overburden	1,399,993	2,172,709	6-Sep-04		-0.034	-0.01	-0.052	0.0031		**1.00**	0.003	0.0035	-0.093		-0.24	-0.086		-0.015
					19-Oct-04	0.021	-0.034	-0.01	-0.052	-0.001	-0.021	1.10	0.003	0.0054	-0.093	-0.004	0.52	-0.086		-0.015
					15-Mar-05	0.023	-0.003	-0.005	-0.009	0.0012	0.12									
					15-Mar-05							**1.00**	0.0031	0.004		0.0093	-0.48	-0.086		0.005
					12-May-05	0.013	-0.003	-0.005	0.049	0.0009	0.047	1.05	0.0027	0.0049	-0.02	-0.004	-0.24	-0.086		0.007
					20-Aug-05	0.027	-0.017	-0.01	-0.013	0.0022	0.16	**0.85**	0.0034	0.0038		-0.004	-0.24	-0.086		0.021
					6-Nov-05	0.023	-0.017	-0.01	-0.013	-0.002	0.097	1.15	0.003	0.0071	-0.093	-0.004	-0.24	-0.086		0.0036
					10-Mar-06	0.016	-0.034	-0.01	-0.01	-0.001	0.15	1.20	0.0029	0.0039		-0.004	-0.24	-0.28		0.0057
					20-May-06	0.023	-0.034	-0.01	0.04	-0.001		1.15	0.0028	0.0037		0.0088	-0.24	0.23		0.009
					20-Aug-06	0.025	-0.034	-0.01	-0.021	-0.003	0.046	**1.00**	0.0034		-0.093	0.012	-0.14	0.18	-0.015	0.0074
					25-Oct-06	0.016	-0.034	-0.01	-0.021	-0.003	-0.014	1.20	0.003	0.01	-0.029	0.015	-0.14	-0.28	-0.015	0.0071
					17-Mar-07	0.015	-0.034	-0.01	-0.021	0.0032	0.12	1.20	0.0024	0.0058	-0.093	0.0077	-0.14	-0.086	-0.015	0.0084
					14-May-07	0.015	-0.034	-0.01	-0.021	-0.002	0.064	1.15	0.0032	0.0035	-0.093	0.0093	-0.14	-0.28		-0.005
					20-Aug-07	0.014	-0.034	-0.01	-0.021	-0.002	0.19	**0.90**	0.0025	0.0058	-0.093	-0.004	-0.14	-0.086		0.0091
					14-Nov-07															
					15-Nov-07	0.015	-0.034	-0.01	-0.021	-0.002	0.069	1.10	0.0024	0.006	-0.029	-0.004	-0.14	-0.086		-0.0016
					23-Mar-08	0.016	-0.034	-0.01	-0.021	-0.002	0.08	1.15	0.0024	0.0027	-0.029	-0.004	-0.14	0.23		0.0087
					20-May-08	0.014	-0.034	-0.01	-0.021	-0.002	0.056		0.0024	0.0044	-0.093	-0.004	-0.48	-0.086		0.0066
					26-Aug-08	0.0093	-0.034	-0.01	-0.021	-0.002	0.071	**0.90**	0.0022	0.0035	-0.029	0.011	-0.14	-0.28		-0.005
					18-Oct-08	0.027	-0.034	-0.01	-0.021	-0.002	0.046	**1.00**	0.0025	0.0055	-0.029	0.008	-0.14	-0.086		0.018
MW9D	NFK	Overburden	1,373,505	2,150,026	6-Sep-04		-0.034	-0.01	-0.052	0.01	-0.021	1.15	0.0031	0.0025	-0.093	-0.008	-0.24	-0.086		
					20-Oct-04	-0.006	-0.034	-0.01	-0.052	0.0082	-0.007	**0.80**	0.0034	0.0029	-0.093	-0.004	0.52	-0.086		
					17-Mar-05							1.15	0.0033	0.0026		0.012	-0.24	-0.28		0.006
					17-Mar-05	0.026	-0.003	-0.005	-0.009	0.0085	0.016				0.19					
					15-May-05	0.014	0.0075	-0.005	0.023	0.0086	-0.014	**0.90**	0.0031	0.0028	-0.065	0.011	-0.24	-0.086		0.025
					21-Aug-05	0.027	-0.017	-0.01	-0.013	0.011	-0.021	1.05	0.0029	0.0025	0.11	0.0093	-0.24	-0.086		-0.0016
					6-Nov-05															
					12-Mar-06															
					21-Aug-06	0.03	-0.034	-0.01	-0.021	0.008	0.038	1.10	0.003	0.0026	-0.093	0.019	-0.14	**1.2**	-0.015	0.0093
					30-Oct-06															
					1-Mar-07															
					2-Mar-07															
					11-May-07															
					23-Aug-07	0.06	-0.034	-0.01	-0.021	0.0035		1.15	0.0025	0.0019	-0.093	-0.004	-0.14	-0.086		0.0073
					23-Mar-08															
					17-May-08															
P0637D	UT	Bedrock	1,409,444	2,163,540	4-Nov-06	0.029	-0.034	0.03	-0.021	-0.003	-0.014	6.00	0.016	0.091		0.033	-0.14		-0.015	0.0068
					23-Mar-07	0.056	-0.034	-0.01	-0.021	-0.002	0.082	6.00	0.017	0.089	-0.029	0.04	-0.14	-0.086	-0.05	-0.005
					15-May-07	0.038	-0.034	-0.01	-0.021	-0.002	-0.014	6.00	0.017	0.089	-0.093	0.039	-0.14	-0.086		0.0034
					20-Aug-07	0.034	-0.034	0.047	-0.021	-0.002		6.00	0.016	0.088	-0.093	0.036	-0.14	0.45		0.0041
					17-Nov-07	0.026	-0.034	-0.01	-0.021	-0.002	-0.014	6.00	0.016	0.088	-0.029	0.04	-0.14	0.27		-0.0016
					25-Mar-08	0.027	-0.034	-0.01	-0.021	-0.002	0.1	6.50	0.016	0.087	-0.029	0.036	-0.14	0.28		0.02
					24-May-08	0.023	-0.034	-0.01	-0.021	-0.002	0.038	6.50	0.017	0.089	-0.029	0.044	1	-0.086		0.012
					27-Aug-08	0.028	-0.034	-0.01	-0.021	-0.002	-0.014	6.50	0.017	0.096	-0.029	0.041	-0.14	-0.28		-0.005
					19-Oct-08	0.051	-0.034	-0.01	-0.021	-0.002	0.029	6.50	0.016		-0.029	0.034	-0.14	-0.28		0.0044

Dissolved (Filtered)																			
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
P0637M	UT	Bedrock	1,409,436	2,163,524	3-Nov-06	0.087	-0.034	-0.01	-0.021	-0.003	0.096	2.35	0.0039	0.018	-0.093	0.011	-0.14	-0.086	-0.015	0.0044
					23-Mar-07	0.067	-0.034	-0.01	-0.021	-0.002	0.08	2.50	0.0041	0.016	0.27	0.016	-0.14	-0.086	-0.05	-0.005
					15-May-07		-0.034	-0.01	-0.021	-0.002		2.50	0.0041	0.015		0.016	-0.14	-0.086		0.0076
					20-Aug-07	0.04	-0.034	-0.01	-0.021	-0.002	0.12	2.35	0.0032	0.013	0.21	0.011	-0.14	0.4		0.0079
					17-Nov-07	0.037	-0.034	-0.01	-0.021	-0.002	0.047	2.40	0.004	0.015	-0.029	0.014	-0.14	-0.086		0.0036
					25-Mar-08		-0.034	-0.01	-0.021	-0.002	0.078	2.50	0.0034	0.02	0.06	0.014	-0.14	0.2		
					24-May-08	0.025	-0.034	-0.01	-0.021	-0.002	0.047	2.50	0.0035	0.014	-0.029	0.015	1	-0.086		0.006
					27-Aug-08	0.025	-0.034	-0.01	-0.021	-0.002	0.066	2.55	0.0037	0.015	0.17	0.013	-0.14	-0.28		0.011
					19-Oct-08		-0.034	-0.01	-0.021	-0.002	-0.014	2.55	0.0037	0.014	-0.029	0.012	-0.14	-0.28		0.0075
P0637S	UT	Overburden	1,409,431	2,163,508	3-Nov-06	0.052	-0.034	-0.01	-0.021	-0.003	-0.014	3.05	0.0026	0.0045	-0.093	0.012	-0.14	**6.2**	-0.015	-0.0016
					23-Mar-07	0.069	-0.034	-0.01	-0.021	-0.002	0.038	3.15	0.0033	0.0053	-0.029	0.018	-0.14	-0.086	-0.05	-0.005
					15-May-07	0.063	-0.034	-0.01	-0.021	-0.002	0.033	3.10	0.0034	0.0055	-0.029	0.018	-0.14	-0.086		0.0049
					20-Aug-07	0.056	-0.034	-0.01	-0.021	-0.002	0.077	3.00	0.0026	0.0046	-0.093	0.013	-0.14	-0.086		0.0069
					17-Nov-07	0.072	-0.034	-0.01	-0.021	-0.002		3.10	0.0026	0.0047	-0.029	0.016	-0.14	-0.086		-0.005
					23-Mar-08															
					24-Mar-08	0.069	-0.034	-0.01	-0.021	-0.002	0.0091	3.20	0.0027	0.0046	-0.029	0.016	-0.14	-0.086		0.0094
					25-May-08	0.11	-0.034	-0.01	-0.021	-0.002	0.06	3.15	0.0028		-0.029	0.013	-0.48	-0.086		
					28-Aug-08	0.11	-0.034	-0.01	-0.021	-0.002	0.042	3.15	0.0029	0.0053	-0.029	0.014	-0.14	-0.086		-0.001
					19-Oct-08	0.03	-0.034	-0.01	-0.021	-0.002	0.058	3.20	0.0025	0.0043	-0.093	0.017	-0.14	-0.28		0.0079
P0638D	UT	Bedrock	1,406,578	2,166,681	4-Nov-06															
					23-Mar-07															
					15-May-07															
					23-Aug-07	0.025	-0.034	-0.01	-0.021	-0.002	0.051	3.70	0.0024	0.0025	-0.029	-0.004	-0.14	0.99		-0.0016
					22-Mar-08															
					17-May-08															
P0638M	UT	Bedrock	1,406,562	2,166,691	27-Mar-08	0.24	-0.067	0.085	0.12	0.12	0.47	3.25	0.003	0.021	**4.5**	0.017	-0.14	**1.2**		0.0068
					22-May-08	0.13	-0.034	0.05	0.069	0.067	0.26	3.65	0.003	0.021	**2.7**	0.02	-0.48	-0.086		0.0098
					27-Aug-08	0.024	-0.034	-0.01	-0.021	-0.002	-0.014	3.45	0.0025	0.023	-0.029	0.021	-0.14	-0.28		0.0046
					21-Oct-08	0.047	-0.034	-0.01	-0.021	-0.002	0.032	3.25	0.0036	0.02	-0.029	0.018	-0.14	-0.086		0.0039
P4S	SFK	Overburden	1,405,224	2,155,643	8-Nov-05	0.23	-0.017	-0.01	-0.013	0.012	0.079	1.25	0.003	0.17	0.28	0.054	-0.24	-0.086		0.011
					9-Mar-06	0.28	-0.034	-0.01	-0.01	0.01	0.096		0.0031	0.13	-0.046	0.028	-0.24	-0.28		0.011
					20-May-06	0.36	-0.034	-0.01	-0.01	0.014	0.09	1.85	0.0035	0.32	0.11	0.038	-0.24	0.21		-0.0016
					19-Aug-06	0.21	-0.034	-0.01	0.062	0.015		1.50	0.0035	0.22	0.36	0.041	-0.14	-0.086	-0.015	-0.0016
					26-Oct-06	0.27	-0.034	-0.01	-0.021	0.0077	0.064	1.45	0.0035	0.33	-0.029	0.05	-0.14	-0.28	-0.015	0.0067
					16-Mar-07	0.21	-0.034	-0.01	-0.021	0.0099	0.081	1.45	0.0028	0.14		0.03	-0.14	-0.086	-0.015	0.0082
					13-May-07	0.32	-0.034	-0.01	-0.021	0.0072	0.069	2.05	0.0036	0.28	-0.093	0.03	-0.14	-0.086		
					18-Aug-07	0.22	-0.034	-0.01	-0.021	0.0075	0.067	1.35	0.0031	0.13	-0.029	0.031	-0.14	0.36		0.0088
					9-Nov-07	0.23	-0.034	-0.01	-0.021	0.0098	0.081	1.40	0.0033	0.2	-0.029	0.032	-0.14	-0.086		0.0063
					26-Mar-08	0.24	-0.034	-0.01	-0.021	0.0068	0.06	1.45	0.0031	0.14	-0.029	0.028	-0.14	-0.086		0.013
					20-May-08	0.38	-0.034	-0.01	-0.021	0.0064	0.1	1.80	0.0032	0.33	-0.029	0.026	**1.2**	-0.086		0.006
					26-Aug-08	0.2	-0.034	-0.01	-0.021	0.006	0.046	1.30	0.0032	0.16	-0.029	0.035	-0.14	-0.28		0.011
					21-Oct-08	0.31	-0.034	-0.01	-0.021	0.0079	0.071	1.65	0.0029	0.26	-0.029	0.032	-0.14	-0.28		0.0059

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
PQ4	SFK	Bedrock	1,401,059	2,157,434	9-Nov-05	0.15	0.28	-0.01	0.11	0.0081	1.1		0.0038	0.16	0.4	0.017	-0.24	-0.086		-0.005
					9-Mar-06	0.14	0.28	-0.01	0.3	-0.001	0.94	-0.08	0.0039	0.2		0.021	-0.24	-0.28		0.014
					19-May-06	0.14	0.25	-0.01	0.27	0.0063	1	-0.08	0.0035	0.17	0.3	0.038	-0.48	-0.28		0.0033
					18-Aug-06	0.15	0.24	-0.01	0.14	0.0078		-0.08	0.0036	0.17	0.35	0.029	-0.14	-0.086	-0.05	-0.0016
					28-Oct-06	0.14	0.23		0.21	0.01	1	-0.08	0.003	0.14	0.23	0.016	-0.14	-0.086	-0.015	-0.0016
					16-Mar-07	0.14	0.27	-0.019	0.24	-0.003	1.1	-0.08	0.0031	0.14	-0.19	0.016	-0.14	-0.086	-0.015	0.0044
					12-May-07		-0.034	-0.01	-0.021	-0.002		0.35	0.0041		-0.093	0.0085	-0.14	-0.086		
					18-Aug-07		0.24	-0.01	0.26	-0.002	1.2	-0.08	0.003	0.14	0.32	0.015	-0.14	0.36		-0.0016
					17-Nov-07	0.15	0.26	-0.01	0.24	0.0044	1	-0.08	0.0031	0.14	-0.093	0.018	-0.14	-0.086		-0.0016
					25-Mar-08	0.15	0.27	-0.01	0.22	-0.002	1.1	-0.08	0.0031	0.14	0.13	0.017	-0.14	-0.086		0.017
					24-May-08	0.13	0.22	-0.01	0.22	0.004	1.1	-0.08	0.0032	0.14	-0.093	0.016	-0.48	-0.086		0.013
					28-Aug-08	0.14	0.3	-0.01	0.22	0.004	1.2	-0.08	0.0033	0.15	0.19	0.021	-0.14	-0.086		-0.001
					21-Oct-08	0.14	0.27	-0.01	0.21	0.0042	1.1	-0.08	0.0034	0.14	-0.093	0.018	-0.14	-0.28		-0.0016
SRK2	UT	Overburden	1,406,192	2,159,585	23-Mar-05							7.50	0.0038	0.082		0.023	-0.24	-0.086		-0.0016
					23-Mar-05	0.11	-0.003	0.021	0.018		0.12									
					15-May-05	0.037	-0.003	-0.005	-0.009	-5E-05	0.099	7.50	0.0035	0.07	-0.02	0.02	-0.24	-0.086		0.006
					19-Aug-05	0.12	-0.017	-0.01	-0.013	-0.001	0.1	7.50	0.0036	0.079	0.18	0.018	-0.24	-0.086		0.0043
					7-Nov-05	0.12	-0.017	-0.01	-0.013	-0.001	0.075	7.50	0.0036	0.073	-0.093	0.023	-0.24	-0.086		-0.005
					9-Mar-06	0.093	-0.034	-0.01	-0.01	-0.001	0.11	8.00	0.0037		-0.024	0.019	-0.24	-0.28		-0.0016
					20-May-06	0.11	-0.034	-0.01	0.048	-0.001	0.076	8.00	0.0036	0.07	0.19	0.022	-0.24	0.23		0.013
					19-Aug-06	0.1	-0.034	-0.01	-0.021	-0.003	0.11	7.50	0.0036	0.072	0.37	0.023	-0.14	-0.086	-0.015	-0.0016
					26-Oct-06	0.14	-0.034	-0.01	-0.021	-0.003	-0.004	8.00	0.0037	0.071	-0.029	0.024	-0.14	-0.28	-0.015	-0.0016
					16-Mar-07	0.099	-0.067	-0.019	-0.042	-0.003	-0.028	7.50	0.0031	0.066	-0.057	0.018	-0.14	-0.086	-0.015	0.0039
					15-May-07	0.097	-0.034	-0.01	-0.021	-0.002	-0.014	8.00	0.0037	0.067	-0.029	0.023	-0.14	0.21		0.005
					19-Aug-07	0.082	-0.034	-0.01	-0.021	-0.002	0.039	7.50	0.0031	0.066	-0.029	0.02	-0.14	0.5		-0.0016
					9-Nov-07	0.069	-0.034	-0.01	-0.021	-0.002	0.046	8.00	0.0032	0.066	-0.029	0.022	-0.14	0.86		-0.0016
					27-Mar-08	0.057	-0.034	-0.01	-0.021	-0.002	0.099	8.00	0.0032	0.064	-0.029	0.019	-0.14	0.92		0.0032
					20-May-08	0.086	-0.034	-0.01	-0.021	-0.002	-0.014	8.00	0.0032	0.064	-0.029	0.021	0.98	-0.086		-0.0016
					27-Aug-08	0.056	-0.034	-0.01	-0.021	-0.002	-0.014	8.00	0.0032	0.068	-0.029	0.057	-0.14	-0.28		-0.005
					20-Oct-08	0.072	-0.034	-0.01	-0.021	-0.002	-0.014	8.00	0.0032	0.06	-0.029	0.02	-0.14	-0.28		0.0043
SRK3	UT	Bedrock	1,406,856	2,158,120	8-Nov-05		-0.017	-0.01	-0.013	-0.001	0.2	10.50	0.0032	0.01		0.023	-0.24	-0.086		0.012
					9-Mar-06	0.084	-0.034	-0.01	-0.01	-0.001	0.26	11.50	0.0033	0.011		0.014	-0.24	-0.28		0.0082
					20-May-06		-0.034	-0.01	0.047	-0.001	0.33	11.00	0.0032	0.0095		0.021	-0.24	0.23		
					19-Aug-06	0.074	-0.034	-0.01	-0.021	-0.003	0.43	11.00	0.0031	0.0094		0.018	-0.48	0.29	-0.015	-0.0016
					26-Oct-06	0.071	-0.034	-0.01	-0.021	-0.003	-0.014	11.00	0.0032	0.0097	-0.093	0.023	-0.14	-0.28	-0.015	0.0036
					16-Mar-07	0.1	-0.067		-0.042	-0.003	0.21	11.50	0.0026	0.008	-0.057	0.015	-0.14	-0.086	-0.015	-0.0016
					13-May-07	0.099	-0.034	-0.01	-0.021	-0.002	0.035	11.50	0.0033	0.0086	-0.093	0.019	-0.14	-0.086		-0.005
					19-Aug-07	0.099	-0.034	-0.01	-0.021	-0.002	0.04	11.00	0.0025	0.008	-0.029	0.014	-0.14	0.37		0.0031
					9-Nov-07	0.097	-0.034	-0.01	-0.021	-0.002	0.066	11.00	0.0027	0.0092	-0.029	0.017	-0.14	-0.086		-0.0016
					27-Mar-08	0.071	-0.034	-0.01	-0.021	-0.002		11.50	0.0027		-0.029	0.014	-0.14	0.66		0.0072
					20-May-08	0.068	-0.034	-0.01	-0.021	-0.002	0.08	11.50	0.0029	0.0085	-0.029	0.018	-0.48	-0.086		-0.0016
					26-Aug-08	0.078	-0.034	-0.01	-0.021	-0.002	0.031	11.50	0.0028	0.0096	-0.029	0.019	-0.14	-0.28		-0.005
					20-Oct-08	0.1	-0.034	-0.01	-0.021	-0.002	0.033	12.00	0.0026	0.008	-0.029	0.019	-0.14	-0.28		0.0038

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
SRK5D	SFK	Bedrock	1,401,946	2,154,185	24-Sep-04	0.064	0.12	-0.01	-0.052	-0.001	0.061	**0.41**	0.0039	0.052	-0.093	0.011	-0.24	-0.086		0.047
					18-Mar-05															
					14-May-05	0.053	0.12	-0.016		-5E-05	0.1	**0.38**	0.0036	0.052	-0.065	0.014	-0.24	-0.086		0.021
					18-Aug-05	0.08	0.093	-0.01	0.038		0.11	**0.40**	0.0035	0.051	-0.029	0.013	-0.48	0.55		0.008
					8-Nov-05															
					10-Mar-06															
					18-May-06															
					18-Aug-06	0.053	0.094	0.059	-0.021	-0.003	0.1	**0.40**	0.0035	0.051	0.21	0.018	-0.14	0.25	-0.015	0.0091
					27-Oct-06															
					1-Mar-07															
					12-May-07															
					18-Aug-07															
					22-Mar-08															
					20-May-08															
SRK5M	SFK	Overburden	1,401,955	2,154,197	25-Sep-04	0.035	-0.034	-0.01	-0.052	-0.001	0.048	1.30	0.0048		-0.093	0.03	-0.24	-0.28		-0.05
					20-Oct-04	0.021	0.14	-0.01	-0.052	-0.001	-0.021	1.45	0.0045	0.052	-0.093	-0.004	-0.24	-0.086		0.055
					18-Mar-05		0.062	-0.005	-0.009	0.0009	0.028	1.50	0.004	0.045	0.084	0.015	-0.24	-0.086		0.031
					14-May-05	0.013	0.055	-0.005	0.018	0.0004	0.031	1.50	0.0038	0.042		0.014	-0.24	-0.086		0.042
					18-Aug-05		0.066	-0.01	-0.013	0.0024	-0.021	1.50	0.0037	0.045	0.17	0.011	-0.48	-0.086		0.036
					8-Nov-05	0.027	-0.017	-0.01	-0.013	-0.001	-0.021	1.85	0.0037	0.05	-0.093	0.013	-0.24	-0.086		0.035
					10-Mar-06	0.022	-0.034	-0.01	-0.01	-0.001		1.60	0.0038	0.046	-0.046	0.0085	-0.24	-0.086		0.026
					18-May-06	0.023	-0.034	-0.01	-0.01	-0.003	0.028	1.60	0.0037	0.041	0.18	0.014	-0.24	0.21		0.036
					17-Aug-06	0.022	0.068	-0.01	-0.021	-0.003		1.60	0.0053	0.046	0.2	0.016	-0.14	-0.28	-0.015	0.029
					27-Oct-06	-0.006	-0.034	-0.01	-0.021	-0.003	-0.014	1.65	0.0036	0.054	-0.029	0.025	-0.48	-0.28	-0.015	0.02
					13-Mar-07	0.019	-0.034	-0.01	-0.021	0.0059	0.06	1.50	0.0032	0.04	-0.093	0.01	-0.14	-0.086	-0.015	0.028
					12-May-07			-0.01	0.22	-0.002			0.0037		-0.093	0.02	-0.14	-0.086		-0.005
					18-Aug-07	0.023	-0.034	-0.01	-0.021	-0.002	0.028	1.50	0.0032	0.043	-0.029	0.011	-0.14	0.37		0.032
					10-Nov-07	0.015	0.092	-0.01	-0.021	-0.002	0.033	1.55	0.0033	0.048	-0.029	0.013	-0.14	-0.086		0.022
					22-Mar-08	0.023	-0.034	-0.01	-0.021	-0.002		1.60	0.0033	0.042	-0.029	0.012	0.31	-0.086		
					21-May-08	0.016	0.077	-0.01	-0.021	-0.002	-0.014	1.55	0.0033	0.042	-0.029	0.011	-0.14	-0.086		0.031
					26-Aug-08	0.023	-0.034	-0.01	-0.021	-0.002	0.03	1.50	0.0042	0.046	0.077	0.02	-0.14	-0.28		0.035
					22-Oct-08	0.036	-0.034	-0.01	-0.021	-0.002	0.028	1.60	0.0031	0.045	-0.029	0.01	-0.48	-0.28		0.025

Dissolved (Filtered)																				
Well	Location	Geology	Easting	Northing	Parameter	Ni	Se	Ag	Tl	V	Zn	Alk	Cl	SO4	Pb	F	WAD CN	NH3	NO2	NO3
					Most Stringent ADEC Criterion (µg/L)	16	4.6	0.32	0.24	100	36	>20	230	250	0.54	4	5.2	0.18	1	10
					Date	Ratio to Criterion														
SRK5S	SFK	Overburden	1,401,976	2,154,174	25-Sep-04		-0.034	-0.01	-0.052	-0.001		**0.34**	0.0052	0.014	0.26	-0.004	-0.24	-0.086		-0.015
					20-Oct-04	0.016	-0.034	-0.01	-0.052	-0.001	-0.007	**0.25**	0.0042	0.0097	-0.093	-0.004	0.52	-0.086		0.051
					18-Mar-05	0.082	0.031	-0.005	-0.009	0.0003	0.018	**0.35**	0.004	0.012		-0.004	-0.24	-0.086		0.058
					14-May-05	0.068	0.021	-0.005	-0.009	-5E-05	-0.014	**0.20**	0.0038	0.0058	0.14	-0.004	-0.24	-0.086		0.18
					18-Aug-05	0.073	0.055	-0.01	-0.013	-0.001	-0.021	**0.30**	0.0038	0.01	0.28	-0.004	-0.48	-0.086		
					8-Nov-05	0.05	-0.017	-0.01	-0.013	-0.001	-0.021	**0.35**	0.0036	0.02	-0.093	-0.004	-0.24	-0.086		0.033
					10-Mar-06	0.088	-0.034	-0.01	-0.01	-0.001		**0.25**	0.0036	0.021	0.17	-0.004	-0.24	-0.28		0.031
					18-May-06	0.054	-0.034	-0.01	-0.01	-0.001	0.028	**0.25**	0.0035	0.016	-0.024	-0.004	-0.24	-0.086		0.031
					17-Aug-06	0.098	-0.034	-0.01	-0.021	-0.003		**0.25**	0.0042	0.015	-0.093	0.01	-0.14	-0.086	-0.015	0.07
					27-Oct-06	0.13	-0.034	-0.01	-0.021	-0.003	-0.004	**0.30**	0.0044	0.011	-0.029	0.0088	-0.14	-0.28	-0.015	0.064
					13-Mar-07	0.12	-0.034	-0.01	-0.021	0.0047	-0.014	**0.35**	0.0037	0.0097	-0.029	-0.004	-0.14	-0.086	-0.015	0.043
					12-May-07	0.024	-0.034	-0.01	-0.021	-0.002	-0.014		0.0039		0.23	0.015	-0.14	-0.086		0.028
					18-Aug-07	0.095	-0.034	-0.01	-0.021	-0.002	-0.014	**0.29**	0.0034	0.0091	-0.029	-0.004	-0.14	0.43		0.072
					7-Nov-07															
					10-Nov-07	0.1	0.074	-0.01	-0.021	-0.002	0.03	**0.35**	0.0033	0.011	-0.029	-0.004	-0.14	-0.086		0.059
					22-Mar-08	0.074	-0.034	-0.01	-0.021	-0.002	0.03	**0.36**	0.0031	0.01	-0.029	-0.004	-0.14	-0.086		0.054
					21-May-08	0.074	-0.034	-0.01	-0.021	-0.002	-0.004	**0.36**	0.0033	0.012	-0.029	0.0085	-0.14	-0.086		0.061
					26-Aug-08	0.08	-0.034	-0.01	-0.021	-0.002	-0.014	**0.35**	0.0034	0.011	-0.029	-0.004	-0.14	-0.28		0.071
					22-Oct-08	0.051	-0.034	-0.01	-0.021	-0.002	-0.014	**0.40**	0.0032	0.0097		-0.004	-0.48	-0.28		0.057

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
KPP4	SFK	Overburden	1,406,227	2,155,596	22-Mar-05	0.863	0.043	0.010	0.003	-0.031	0.068	0.117	0.037	0.263	0.007
					14-May-05	0.999	0.032	0.006	0.001	-0.031		0.118	0.060	0.270	0.014
					19-Aug-05	0.511	-0.025	0.005	-0.002	-0.078	0.061	0.120	0.049	0.103	0.006
					7-Nov-05	0.247	-0.025	0.005	-0.002	-0.078	0.069	0.079	0.016	0.687	0.004
					9-Mar-06	**1.644**	-0.016	0.007	0.008	-0.125	0.095	0.108	0.095	**2.204**	0.008
					19-May-06	0.087	-0.016	0.005	-0.003	-0.125	0.067	0.124	0.012	0.080	0.008
					19-Aug-06	0.062	0.055	0.005	-0.003	-0.185	0.092	0.114	0.006	-0.093	0.006
					26-Oct-06	0.213	-0.016	0.007	-0.003	-0.185	0.165	0.101	0.041	-0.093	-0.001
					15-Mar-07	**110.230**	0.096	0.063	0.039	0.444	0.246	**1.756**	**7.360**	**3.296**	-0.009
					13-May-07	**1.230**	-0.016	0.008	-0.003	-0.075	0.105	**5.815**	0.140	0.354	0.007
					17-Aug-07	0.600	-0.016	0.005	-0.003	-0.075	0.082	**10.222**	0.055	-0.029	0.004
					9-Nov-07	0.408	-0.016	0.006	-0.003	-0.075	0.098	**3.244**	0.080	-0.029	0.005
					26-Mar-08	**1.368**	-0.016	0.007	-0.003	-0.075	0.127	**34.074**	0.153	0.112	0.004
					21-May-08	0.095	-0.016	0.005	-0.003	-0.075	0.067	**2.263**	0.058	-0.029	0.003
					26-Aug-08	0.131	-0.016	0.005	-0.003	-0.075	0.088	**1.874**	0.057	-0.029	0.004
					20-Oct-08	0.355	0.041	0.005	-0.003	-0.075	0.078	**2.081**	0.063	-0.029	-0.004
MW10	NFK	Bedrock	1,382,991	2,165,430	21-Oct-04		-0.013	0.001	-0.002	-0.155	0.014	0.170	-0.003	-0.093	-0.007
					20-Mar-05	0.023	0.040	0.002	0.000	-0.031	0.011	**2.230**	-0.001	-0.020	0.004
					12-May-05		0.033	0.001	0.000	-0.031	0.012	0.265	0.008	0.196	-0.002
					20-Aug-05				0.120		0.058		0.011		
					6-Nov-05	0.047	-0.025	0.001	-0.002	-0.078	0.021	0.197	-0.003	-0.093	0.002
					12-Mar-06	0.052	0.044	0.001	-0.003	-0.125	0.045	0.181	-0.010	0.231	0.019
					23-May-06	0.025	-0.016	0.001	-0.003	-0.125	0.019	0.150	-0.003	-0.024	0.004
					20-Aug-06	-0.011	0.035	0.001	-0.003	-0.185	0.023	0.393	-0.003	0.380	0.005
					29-Oct-06	0.029	-0.016	0.001	-0.003	-0.185	-0.002	0.179	-0.010	-0.029	-0.001
					18-Mar-07	0.040	0.032	0.001	-0.003	-0.075	0.013	0.146	-0.003	-0.093	-0.004
					14-May-07	0.023	-0.016	0.001	-0.003	-0.075	0.017	0.151	-0.010	-0.029	0.006
					23-Aug-07	0.024	-0.016	0.001	-0.003	-0.075	0.024	0.156	-0.010	-0.093	0.003
					15-Nov-07	-0.011	-0.016	0.001	-0.003	-0.075	0.015	0.145	0.017	-0.029	0.011
					22-Mar-08	0.036	0.032	0.001	-0.003	-0.075	0.018	0.147	0.021	-0.029	0.003
					19-May-08	0.044	0.043	0.001	-0.003	-0.075	0.022	0.133	0.021	-0.029	0.003
					25-Aug-08	-0.011	-0.016	0.001	-0.003	-0.075	0.013	0.128	0.020	-0.029	-0.001
					17-Oct-08	0.026	-0.016	0.001	-0.003	-0.075	0.018	0.156	0.017	-0.029	-0.001

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW11D	SFK	Overburden	1,398,347	2,126,294	21-Oct-04	-0.144	-0.025	0.002	-0.002	-0.155	0.023	-0.037	-0.010	-0.093	-0.007
					21-Mar-05	0.022	0.028	0.002	0.000	-0.031	0.044	0.067	0.004	0.042	0.005
					13-May-05	0.120	0.027	0.002	0.000	-0.031	0.033	0.127	0.008	0.289	0.004
					16-Aug-05	0.076	-0.025	0.002	-0.002	-0.078	0.063	0.120	0.032	0.109	0.000
					10-Nov-05	0.033	-0.013	0.002	-0.002	-0.078	0.038	0.083	0.007	-0.093	0.006
					22-Mar-06	-0.011	-0.016	0.002	-0.003	-0.125	0.038	0.082	-0.003	-0.024	0.005
					21-May-06	-0.011	-0.016	0.002	-0.003	-0.125	0.047	0.082	-0.003	-0.024	0.006
					21-Aug-06	0.059	0.036	0.002	-0.003	-0.185	0.026	0.515	-0.003	0.300	0.012
					1-Nov-06	0.067	-0.016	0.002	-0.003	-0.185	-0.002	0.066	-0.003	-0.029	-0.001
					22-Mar-07	0.033	-0.016	0.002	-0.003	-0.075	0.014	0.072	-0.003	-0.029	-0.004
					10-May-07	-0.011	0.033	0.002	-0.003	-0.075	0.024	0.059	-0.003	-0.029	0.006
					21-Aug-07	0.028	-0.016	0.002	-0.003	-0.075	0.019	0.058	-0.010	-0.093	0.005
					11-Nov-07	0.089	-0.016	0.002	-0.003	-0.075	0.031	0.073	0.011	-0.093	0.005
					20-Mar-08	0.101	-0.016	0.002	-0.003	-0.075	0.025	**1.130**	0.037	0.116	0.005
					18-May-08	-0.011	-0.016	0.002	-0.003	-0.075	0.024	-0.019	0.015	-0.029	0.003
					24-Aug-08	0.054	-0.016	0.002	-0.003	-0.075	0.033	0.079	0.024	0.180	0.005
					22-Oct-08	0.038	-0.016	0.002	-0.003	-0.075	0.030	0.060	0.017	-0.029	-0.004
MW11M	SFK	Overburden	1,398,341	2,126,307	21-Oct-04		-0.013	0.002	-0.002	-0.155	0.014	-0.037	-0.003	-0.093	
					21-Mar-05	0.027	0.021	0.003	0.001	-0.031	0.088	0.084	0.011	0.071	0.005
					13-May-05	0.026	0.020	0.002	0.000	-0.031	0.058	0.039	0.013	-0.020	-0.002
					16-Aug-05	0.031	-0.025	0.003	-0.002	-0.078	0.073	0.109	0.013	-0.029	0.000
					11-Nov-05	-0.011	-0.013	0.002	-0.002	-0.078	0.027	0.073	-0.003	-0.029	-0.001
					22-Mar-06	0.037	-0.016	0.003	-0.003	-0.125	0.032	0.082	0.007	0.424	0.005
					21-May-06	-0.011	0.043	0.003	-0.003	-0.125	0.065	0.091	0.011	-0.024	0.005
					21-Aug-06	0.039	-0.016	0.003	-0.003	-0.185	0.035	0.060	-0.003	0.187	0.005
					1-Nov-06	0.086	0.071	0.002	-0.003	-0.185	0.006	0.068	-0.010	-0.029	-0.001
					22-Mar-07	0.286	-0.016	0.003	-0.003	-0.075	0.028	0.086	0.040	-0.093	-0.004
					10-May-07	-0.011	-0.016	0.002	-0.003	-0.075	0.023	0.081	-0.003	-0.093	0.006
					21-Aug-07	-0.011	-0.016	0.003	-0.003	-0.075	-0.002	0.074	-0.003	-0.093	0.005
					11-Nov-07	-0.011	-0.016	0.003	-0.003	-0.075	0.013	0.059	-0.003	-0.029	0.003
					19-Mar-08	0.022	-0.016	0.002	-0.003	-0.075	0.032	0.158	0.019	0.099	0.005
					18-May-08	-0.011	-0.016	0.002	-0.003	-0.075	0.022	0.043	0.013	0.354	0.003
					24-Aug-08	-0.011	-0.016	0.002	-0.003	-0.075	0.014	0.097	0.016	-0.029	0.004
					22-Oct-08	0.018	-0.016	0.002	-0.003	-0.075	0.012	0.047	0.011	-0.029	-0.004

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW11S	SFK	Overburden	1,398,338	2,126,323	21-Oct-04	1.047	-0.013	0.003	-0.002	-0.155	0.048	0.079	0.056	-0.093	-0.007
					21-Mar-05	0.054	0.016	0.003	0.000	-0.031	0.034	0.074	0.007	-0.020	0.005
					13-May-05	0.105	0.011	0.002	0.000	-0.031	0.064	0.046	0.011	-0.020	-0.002
					16-Aug-05	0.100	-0.025	0.002	-0.002	-0.078	0.051	0.088	0.014	-0.029	0.000
					11-Nov-05	0.102	-0.013	0.002	-0.002	-0.078	0.051	0.059	0.013	-0.029	0.004
					22-Mar-06		-0.016		0.006	-0.125				0.281	0.008
					21-Aug-06	0.037	-0.016	0.002	-0.003	-0.185	0.071	0.110	-0.003	0.606	0.004
					1-Nov-06	0.029	0.050	0.002	-0.003	-0.185	0.035	0.057	-0.010	-0.029	-0.001
					22-Mar-07	0.263	-0.016	0.002	-0.003	-0.075	0.101	0.089	0.026	-0.029	-0.004
					10-May-07										
					21-Aug-07	0.144	-0.016	0.002	-0.003	-0.075	0.131	0.124	0.026	-0.093	0.005
					11-Nov-07	0.271	-0.016	0.002	0.006	-0.075	0.090	0.081	0.029	-0.029	0.003
					20-Mar-08	0.113	-0.016	0.002	-0.003	-0.075	0.063	0.057	0.032	-0.029	0.005
					18-May-08	-0.011	-0.016	0.002	-0.003	-0.075	0.077	0.054	0.028	-0.029	0.003
					24-Aug-08	0.055	-0.016	0.002	-0.003	-0.075	0.060	0.070	0.027	0.071	0.005
					22-Oct-08	0.035	-0.016	0.002	-0.003	-0.075	0.055	0.064	0.017	-0.029	-0.004
MW11SS	SFK	Overburden	1,398,360	2,126,302	11-Nov-05		0.098		0.010	0.182	0.180	0.541			0.013
					22-Aug-06	0.031	-0.016	0.001	-0.003	-0.185	0.075	0.090	0.017	-0.093	0.006
					1-Nov-06	0.184	0.077	0.003	-0.003	-0.185	0.075	0.130	0.030	-0.093	-0.004
					21-Aug-07	0.054	-0.016	0.001	-0.003	-0.075	0.072	0.152	-0.010	-0.093	0.006
					20-Mar-08	0.028	0.031	0.001	-0.003	0.280	0.037	0.132	0.012	0.085	0.006
					18-May-08	0.294	0.041	0.001	-0.003	-0.075	0.127	0.201	0.045	0.252	0.009
					24-Aug-08	0.066	0.033	0.001	-0.003	-0.075	0.067	0.381	0.018	0.146	0.011
					22-Oct-08	0.052	-0.016	0.001	-0.003	-0.075	0.040	0.111	0.012	-0.093	-0.004
MW12D	SFK	Bedrock	1,399,179	2,155,575	19-Aug-05		0.056		0.005	-0.078	0.195	0.470	0.069	0.096	0.030
					8-Nov-05	0.058	0.063		-0.002	-0.078	0.022	0.381	-0.003	-0.029	
					24-Mar-06	0.055	0.045		-0.003	-0.125	0.038	0.496	-0.003	-0.024	0.028
					19-May-06	0.050	-0.016		-0.003	-0.125	0.034	0.607	-0.003	0.070	0.026
					18-Aug-06	0.261	0.074		-0.003	-0.185	0.080	0.511	0.045	0.526	0.028
					28-Oct-06	0.035	0.078	0.002	-0.003	-0.185	-0.004	0.481	-0.003	0.387	0.025
					13-Mar-07	0.149	0.058	0.002	-0.003	0.228	0.050	0.585	0.022	0.276	0.031
					12-May-07	0.047	0.062	0.002	-0.003	0.246	0.036	0.496	-0.010	-0.093	0.029
					17-Aug-07	0.105	0.059	0.002	-0.003	0.216	0.028	0.530	0.026	-0.093	0.027
					10-Nov-07	-0.011	-0.016	0.001	0.011	0.178	0.020	0.448	0.032	-0.029	0.022
					26-Mar-08	0.036	0.043	0.001	-0.003	0.297	0.013	0.493	0.053	-0.029	0.026
					21-May-08	0.042	0.056	0.001	-0.003	0.181	0.019	0.537	0.040	-0.029	0.022
					28-Aug-08	0.040	0.045	0.001	-0.003	0.430	0.010	0.604	0.044	0.431	0.035
					21-Oct-08	0.051	0.052	0.001	-0.003	0.225	0.009	0.537	0.035	-0.029	0.023

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW12S	SFK	Overburden	1,399,199	2,155,589	19-Aug-05	**2.310**	0.126	0.042	-0.002	-0.078	0.035	**1.459**	0.282	0.219	0.014
					9-Nov-05				0.016	-0.078	0.373				0.024
					24-Mar-06	**6.908**	0.104	0.044	-0.003	-0.125	0.125	**1.896**		0.435	0.015
					19-May-06	**8.322**	0.170	0.041	-0.003	-0.125	0.122			0.789	0.017
					18-Aug-06	**7.816**	0.159	0.039	0.008	-0.185	0.070			0.781	0.013
					28-Oct-06		0.133		0.009	-0.185	0.107			**1.530**	0.017
					12-Mar-07	**7.264**	0.147	0.038	-0.006	-0.150	0.111			0.831	0.019
					12-May-07	**2.023**	0.101	0.038	-0.003	0.234	0.059	**2.544**	0.573	0.402	0.017
					17-Aug-07	**4.207**	0.155	0.036	-0.003	0.214	0.066	**2.459**	0.537	0.424	0.012
					10-Nov-07	**1.908**	0.138	0.036	-0.003	0.160	0.029	**1.033**	0.394	0.206	0.008
					26-Mar-08	0.334	0.126	0.034	-0.013	-0.300	-0.008	0.415	0.293	-0.115	-0.005
					21-May-08	0.155	0.117	0.035	-0.003	-0.075	0.025	0.325	0.310	-0.029	-0.001
					28-Aug-08	0.493	0.083	0.031	-0.003	0.191	0.012	0.459	0.332	0.094	-0.001
					21-Oct-08	0.315	0.107	0.033	-0.003	0.172	0.011	0.470	0.292	-0.029	-0.004
MW13D	SFK	Bedrock	1,376,786	2,127,185	22-Aug-05						0.364				
					12-Nov-05	**12.874**	-0.013	0.005	0.010	-0.078	0.044	0.211	0.302	0.611	
					21-Mar-06	**7.345**	-0.016	0.005	0.009	-0.125	0.230	0.437	0.147	0.672	0.008
					22-May-06	**1.701**	-0.016	0.004	-0.003	-0.125	0.050	0.308	0.057	0.622	
					24-Aug-06	**1.097**	-0.016	0.004	-0.003	-0.185	0.071	0.283	0.062	0.361	0.010
					31-Oct-06	0.368	0.040	0.004	-0.003	-0.185	0.064	0.336	0.033	0.220	-0.001
					18-Mar-07	0.178	-0.016	0.003	-0.003	-0.075	0.031	0.433	-0.010	-0.093	-0.004
					11-May-07	0.156	-0.016	0.003	-0.003	-0.075	0.054	0.674	-0.010	-0.093	0.005
					22-Aug-07	0.091	-0.016	0.003	-0.003	-0.075	0.018	0.360	-0.010	-0.093	0.004
					14-Nov-07	0.210	-0.016	0.003	-0.003	-0.075	0.024	0.404	0.017	-0.093	0.005
					22-Mar-08	**1.793**	-0.016	0.004	-0.003	-0.075	0.122	0.689	0.106	0.591	0.006
					17-May-08	0.949	-0.016	0.003	-0.003	-0.075	0.166	0.280	0.047	0.196	-0.001
					24-Aug-08	0.038	-0.016	0.002	-0.003	-0.075	0.062	0.228	0.023	-0.029	0.004
					15-Oct-08	0.038	-0.016	0.002	-0.003	-0.075	0.055	0.253	0.018	-0.029	-0.001

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW13S	SFK	Overburden	1,376,803	2,127,170	22-Aug-05	0.182	-0.013	0.002	-0.002	-0.078	0.063	0.182	0.026	0.096	0.005
					11-Nov-05	0.120	-0.013	0.002	-0.002	-0.078	0.069	0.222	0.015	-0.093	0.000
					21-Mar-06	0.063	0.045	0.002	-0.003	-0.125	0.076	0.099	-0.010	-0.046	0.006
					22-May-06	0.042	-0.016	0.001	-0.003	-0.125	0.031	0.086	-0.003	**1.022**	0.007
					24-Aug-06	0.040	-0.016	0.001	-0.003	-0.185	0.049	0.113	0.007	0.198	-0.001
					31-Oct-06	0.033	-0.016	0.001	-0.003	-0.185	0.010	0.275	-0.010	-0.029	-0.001
					18-Mar-07	0.154	-0.016	0.001	-0.003	-0.075	0.032	0.201	0.023	-0.093	-0.001
					11-May-07	0.076	-0.016	0.002	-0.003	-0.075	0.030	0.107	-0.010	0.217	-0.001
					22-Aug-07	0.069	-0.016	0.002	-0.003	-0.075	0.021	0.113	-0.010	-0.093	-0.001
					14-Nov-07	0.041	-0.016	0.002	-0.003	-0.075	0.050	0.136	0.011	-0.029	0.003
					22-Mar-08	0.633	-0.016	0.002	-0.003	-0.075	0.058	0.156	0.079	0.111	-0.001
					17-May-08	0.061	-0.016	0.002	-0.003	-0.075	0.045	0.083	0.017	-0.029	-0.001
					24-Aug-08	0.730	-0.016	0.002	-0.003	-0.075	0.113	0.221	0.100	0.191	-0.001
					15-Oct-08	0.066	-0.016	0.002	-0.003	-0.075	0.109	0.149	0.024	-0.029	-0.001
MW14D	SFK	Bedrock	1,405,524	2,131,544	10-Nov-05		0.153	0.018	-0.002	-0.078			0.198		
					23-Mar-06		0.170	0.019	-0.003	-0.125			0.122		
					21-May-06	0.226	0.163	0.013	-0.003	-0.125			0.126		0.056
					23-Aug-06	0.583	0.114	0.015	-0.003			0.493	0.121		0.061
					3-Nov-06		0.182	0.017	-0.003			0.316	0.204	0.402	0.037
					20-Mar-07	0.589	0.182	0.016	-0.003	-0.075		0.241	0.240	0.524	0.036
					9-May-07	0.320	0.226	0.020	-0.003	0.320		0.362	0.239	0.344	0.035
					20-Aug-07	0.088	0.221	0.013	-0.003	-0.075	0.065	0.150	0.104	0.220	0.033
					12-Nov-07	0.054	0.204	0.015	-0.003	-0.075	0.046	0.183	0.150	-0.093	0.030
					19-Mar-08	0.104	0.248	0.015	-0.003	-0.075	0.084	0.258	0.277	0.204	0.029
					23-May-08	0.083	0.248	0.013	-0.003	-0.075	0.049	0.151	0.119	-0.093	0.028
					26-Aug-08	0.086	0.262	0.014	-0.003	-0.075	0.063	0.256	0.231	0.144	0.041
					22-Oct-08	0.096	0.293	0.013	-0.003	-0.075	0.051	0.228	0.183	-0.093	0.032

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW14S	SFK	Overburden	1,405,507	2,131,554	10-Nov-05	0.272	0.026	0.002	-0.002	-0.078	0.035	**3.296**	0.052	-0.093	0.007
					23-Mar-06	0.070	-0.016	0.002	-0.003	-0.125	0.037	**6.889**	0.008	-0.024	0.007
					21-May-06	**2.138**	0.062	0.004	-0.003	-0.125	0.109	**2.730**	0.218	0.283	0.008
					23-Aug-06	**1.460**	-0.016	0.003	-0.003	-0.185	0.043	0.737	0.202	0.452	0.004
					2-Nov-06	**4.241**	0.094	0.006	-0.003	-0.185	0.120	0.581	0.530	0.643	-0.004
					20-Mar-07	0.402	-0.016	0.002	-0.003	-0.075	0.055	0.467	0.056	-0.093	-0.004
					9-May-07	0.067	-0.016	0.002	-0.003	-0.075	0.063	0.269	0.024	-0.093	0.009
					19-Aug-07		0.170		0.007	-0.075	0.285	**1.196**		**1.252**	0.012
					12-Nov-07	0.617	-0.016	0.002	-0.003	-0.075	0.100	0.177	0.075	-0.093	0.007
					20-Mar-08	**2.057**	0.053	0.003	-0.003	-0.075	0.160	**3.004**	0.260	0.365	0.016
					22-May-08	0.074	-0.016	0.002	-0.003	-0.075	0.053	0.633	0.039	-0.029	-0.001
					25-Aug-08	0.079	-0.016	0.002	-0.003	-0.075	0.075	0.166	0.043	-0.029	-0.001
					21-Oct-08	0.061	-0.016	0.002	-0.003	-0.075	0.037	0.191	0.032	-0.093	-0.004
MW1D	SFK	Bedrock	1,378,229	2,124,916	23-Sep-04		0.026	0.002	-0.002	-0.155	0.044	0.091	0.089	-0.093	-0.007
					22-Oct-04	-0.144	-0.013	0.001	-0.002	-0.155	0.021	-0.037	-0.010	-0.093	-0.007
					21-Mar-05	0.033	0.019	0.001	0.000	-0.031	0.054	0.081	0.007	-0.020	0.006
					13-May-05	0.103	0.018	0.001	0.000	-0.031	0.015	0.248	0.006	-0.065	-0.002
					17-Aug-05	**1.093**	-0.013	0.003	-0.002	-0.078	0.081	0.161	0.101	0.110	0.005
					11-Nov-05	0.033	-0.013	0.001	-0.002	-0.078	0.018	0.069	-0.003	-0.093	0.005
					21-Mar-06	0.039	-0.016	0.002	-0.003	-0.125	0.034	0.099	0.010		0.005
					22-May-06	0.023	0.037	0.001	-0.003	-0.125	0.026	0.047	-0.003	-0.024	0.005
					22-Aug-06	0.044	-0.016	0.002	-0.003	-0.185	0.013	0.133	0.012	0.509	-0.001
					31-Oct-06	0.026	-0.016	0.001	-0.003	-0.185	-0.002	0.090	-0.003	0.276	-0.001
					19-Mar-07	0.214	0.037	0.002	-0.003	-0.075	0.040	0.080	0.031	-0.093	-0.004
					10-May-07	0.039	-0.016	0.001	-0.003	-0.075	0.016	0.070	-0.003	-0.093	0.005
					22-Aug-07	0.053	-0.016	0.001	-0.003	-0.075	0.018	0.116	-0.010	-0.093	0.005
					13-Nov-07	-0.011	-0.016	0.001	-0.003	-0.075	0.013	0.050	0.008	-0.029	0.004
					21-Mar-08	0.249	-0.016	0.001	-0.003	-0.075	0.036	0.077	0.042	0.093	0.003
					17-May-08	-0.011	-0.016	0.001	-0.003	-0.075	0.024	0.063	0.019	-0.029	-0.001
					24-Aug-08	-0.011	-0.016	0.001	-0.003	-0.075	0.043	0.233	0.024	-0.029	0.004
					16-Oct-08	0.013	-0.016	0.001	-0.003	-0.075	0.018	0.061	0.016	-0.029	-0.001

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW1M	SFK	Overburden	1,378,241	2,124,910	24-Sep-04		-0.013	0.002	-0.002		0.052	0.211	0.055	0.452	-0.007
					29-Oct-04		-0.025		-0.002		0.026	**4.111**		**1.657**	0.017
					21-Mar-05	0.023	0.022	0.002	0.000	0.254	0.045	**6.296**	0.015	0.066	0.016
					13-May-05	0.045	0.021	0.002	0.002		0.032	0.101	0.007	0.136	0.010
					17-Aug-05	0.023	-0.025	0.002	-0.002	-0.078	0.051	0.112	0.013	-0.029	0.000
					11-Nov-05	0.100	0.031	0.002	-0.002		0.046	0.174	0.011	-0.093	0.012
					22-Mar-06	0.036	-0.016	0.002	-0.003	-0.125	0.103	0.526	0.021		0.012
					22-May-06	0.031	-0.016	0.002	-0.003	-0.125	0.077	0.419	0.010	-0.046	0.010
					22-Aug-06	0.025	-0.016	0.002	-0.003	-0.185	0.101	**1.033**	-0.003	-0.029	0.023
					31-Oct-06	-0.011	-0.016	0.002	-0.003	-0.185	0.157	**1.615**	0.022	-0.029	-0.004
					19-Mar-07	-0.011	-0.016	0.002	-0.003	0.168	0.182	**7.259**	0.035	-0.029	0.013
					10-May-07	-0.011	-0.016	0.002	-0.003	-0.075	0.133	**1.844**	-0.010	-0.093	0.009
					22-Aug-07	0.917	-0.016	0.002	-0.003	-0.075	0.094	**8.370**	0.110	0.476	0.012
					12-Nov-07	0.118	-0.016	0.002	-0.003	0.160	0.063	**5.481**	0.045	0.317	0.014
					21-Mar-08	0.266	-0.016	0.002	-0.003	0.156	0.028	**11.481**	0.113	0.657	0.014
					17-May-08	-0.011	-0.016	0.002	-0.003	-0.075	0.029	**3.056**	0.019	-0.029	0.005
					24-Aug-08	-0.011	-0.016	0.002	-0.003	-0.075	0.027	**4.222**	0.024	-0.029	0.006
					15-Oct-08	0.013	-0.016	0.002	-0.003	-0.075	0.074	**2.563**	0.020	-0.029	-0.004
MW1S	SFK	Overburden	1,378,210	2,124,924	25-Sep-04	**1.379**	-0.013	0.003	-0.002	0.423	0.033	0.154	0.089	-0.093	-0.007
					29-Oct-04	**8.954**	0.061	0.007	-0.002	0.708	0.017	0.607	0.597	**1.004**	-0.007
					20-Mar-05										
					13-May-05			0.018	0.013	0.487	0.126			**3.500**	0.012
					17-Aug-05	0.525	-0.013	0.003	-0.002	-0.078	0.082	0.159	0.129	0.119	0.000
					11-Nov-05	**4.862**	0.048	0.005	0.005	-0.078	0.057	0.552	0.373	0.657	0.005
					21-Mar-06	**1.966**	-0.016	0.005	-0.003	-0.125	0.089	0.175	0.108	0.361	0.005
					22-May-06	**1.437**	-0.016	0.004	-0.003	-0.125	0.031	0.278	0.060	0.389	0.005
					22-Aug-06	**1.954**	-0.016	0.006	-0.003	-0.185	0.095	0.470	0.135	0.296	-0.001
					31-Oct-06	0.531	-0.016	0.004	-0.003	-0.185	0.037	0.257	0.031	-0.029	-0.001
					19-Mar-07	**3.713**	-0.016	0.005	-0.003	0.252	0.078	0.334	0.282	0.476	-0.004
					10-May-07	0.121	-0.016	0.003	-0.003	0.214	0.063	0.072	-0.010	-0.029	0.003
					22-Aug-07	0.148	-0.016	0.004	-0.003	0.308	0.052	0.131	-0.010	-0.093	0.010
					13-Nov-07	0.576	-0.016	0.005	-0.003	0.308	0.042	0.121	0.030	-0.093	-0.001
					21-Mar-08	**4.920**	-0.016	0.007	-0.003	0.307	0.073	0.374	0.340	0.624	0.005
					17-May-08	0.031	-0.016	0.003	-0.003	0.185	0.011	0.043	-0.003	-0.029	-0.001
					24-Aug-08	**38.046**	0.036	0.015	0.013	0.506	0.252	**1.359**	0.645	**1.926**	0.005
					16-Oct-08	0.145	-0.016	0.004	-0.003	0.270	0.019	0.059	0.008	-0.029	-0.001

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW2D	UT	Overburden	1,399,458	2,121,675	7-Sep-04	-0.144	0.482	0.002	-0.002	-0.155	0.236	0.114	0.074	-0.093	0.020
					20-Oct-04				0.325						0.024
					30-Oct-04	0.920	0.453	0.002	-0.002	-0.155	0.019	0.110	0.070	0.224	0.021
					22-Mar-05	0.205	0.540	0.001	0.000	-0.031	0.129	0.305	0.017	0.096	0.025
					16-May-05	0.154	0.504	0.002	0.000	0.064	0.058	0.065	0.011	-0.065	0.026
					17-Aug-05	0.146	0.506	0.002	-0.002	-0.078	0.091	0.219	0.022	0.130	0.006
					12-Nov-05	0.094	0.496	0.001	-0.002	-0.078	0.068	0.118	0.008	-0.093	0.020
					23-Mar-06	0.079	0.449	0.002	-0.003	-0.125	0.057	0.088	-0.003	0.154	0.023
					21-May-06	0.070	0.470	0.001	-0.003	-0.125	0.071	0.080	0.008	0.053	0.022
					23-Aug-06	0.128	0.530	0.001	-0.003	-0.185	0.105	0.098	0.021	-0.093	0.024
					2-Nov-06	0.228	0.467	0.002	-0.003	-0.185	0.073	0.124	-0.010	-0.093	0.021
					22-Mar-07	0.120	0.521	0.002	-0.003	-0.075	0.066	0.133	-0.010	-0.093	0.027
					11-May-07	0.099	0.501	0.002	-0.003	-0.075	0.099	0.092	-0.010	-0.093	0.026
					22-Aug-07	0.136	0.486	0.001	-0.003	-0.075	0.102	0.130	-0.010	-0.093	0.020
					12-Nov-07	0.155	0.478	0.001	-0.003	-0.075	0.157	0.121	0.028	0.187	0.024
					21-Mar-08	0.078	0.478	0.001	-0.003	-0.075	0.101	0.069	0.044	-0.029	0.020
					19-May-08	0.080	0.522	0.002	-0.003	-0.075	0.080	0.071	0.028	-0.093	0.019
					24-Aug-08	0.099	0.505	0.002	-0.003	-0.075	0.068	0.148	0.033	0.145	0.022
					23-Oct-08	0.114	0.490	0.002	-0.003	-0.075	0.089	0.116	0.028	-0.093	0.022
MW3D	SFK	Overburden	1,400,181	2,136,068	9-Jul-04										
					23-Mar-05										
					16-May-05				0.087		0.344				0.055
					22-Aug-05	0.330	0.140	0.003	-0.002	-0.078	0.032	0.094	0.049	0.659	0.012
					10-Nov-05										
					24-Mar-06	0.146	0.057	0.003	-0.003	-0.125	0.009	0.071	0.011	0.359	0.011
					23-May-06	**1.287**	0.085	0.004	-0.003	-0.125	0.016	0.158	0.139	0.219	0.017
					24-Aug-06										
					2-Nov-06	0.982	-0.016	0.004	-0.003	-0.185	-0.002	0.134	0.097	0.344	-0.004
					1-Mar-07										
					16-Aug-07	0.197	0.081	0.003	-0.003	0.196	0.006	0.290	-0.010	**1.256**	0.012
					11-Nov-07	0.540	0.056	0.003	-0.003	0.166	0.009	0.294	0.080	0.331	0.052
					22-Mar-08										
					22-May-08	**6.379**	0.152	0.010	-0.003	0.157	0.032	0.585	0.574	0.946	0.011
					27-Aug-08	**12.529**	0.174	0.014	0.007	0.168	0.045	0.737	**1.140**	**1.202**	0.015
					21-Oct-08	**7.506**	0.151	0.011	-0.003	0.176	0.033	0.493	0.705	0.748	0.013

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW5D	SFK	Bedrock	1,403,277	2,149,291	24-Sep-04		0.314	0.014	-0.002		0.072	0.441	0.711	0.256	
					19-Oct-04	0.375	0.306	0.014	-0.002	-0.155	0.026	0.374	0.845	0.569	
					18-Mar-05	0.089	0.298	0.015	0.000	0.078	0.024	0.106	**1.020**	0.051	
					11-May-05	0.139	0.318	0.014	0.000	0.126	0.015	0.193	0.645	-0.020	
					18-Aug-05	0.167	0.311	0.017	-0.002	-0.078	-0.001	0.357	**1.580**	0.116	
					9-Nov-05	0.198	0.331	0.016	-0.002	-0.078	0.025	0.302	**1.200**	-0.093	
					23-Mar-06		0.290	0.020	-0.003	-0.125	0.050	0.422	**1.740**	0.493	
					18-May-06	0.110	0.287	0.017	-0.003	-0.125	0.019	0.156	**1.390**	-0.024	0.027
					17-Aug-06	0.601	0.284	0.017	-0.003	-0.185	0.034	0.254	**1.740**	0.265	0.023
					29-Oct-06	0.302	0.301	0.017	-0.003	-0.185	0.021	0.213	**1.180**	-0.093	0.020
					15-Mar-07	0.129	0.312	0.018	-0.006	-0.150	0.022	0.124	**1.440**	-0.057	-0.009
					13-May-07										
					19-Aug-07										
					22-Mar-08										
					24-May-08	0.245	0.358	0.019	-0.003	-0.075	0.019	0.196	**1.690**	0.596	-0.001
					25-Aug-08	0.074	0.340	0.017	-0.003	-0.075	-0.002	0.128	**1.410**	-0.029	0.009
					22-Oct-08	0.079	0.358	0.018	-0.003	-0.075	0.009	0.160	**1.590**	-0.029	0.012
MW5M	SFK	Overburden	1,403,295	2,149,289	7-Sep-04	0.315	0.261	0.041	-0.002	-0.155	0.009	0.175	0.026	-0.093	-0.007
					24-Sep-04										
					19-Oct-04	0.378	0.234	0.038	-0.002	-0.155	0.012	0.182	0.030	-0.093	
					23-Mar-05		0.235	0.047	0.005	0.079		0.366			0.008
					11-May-05	0.065	0.266	0.042	0.000	0.075	0.012	0.039	0.013	-0.020	0.006
					18-Aug-05	0.121	0.239	0.045	-0.002	-0.078	-0.004	0.131	0.028	-0.029	0.007
					9-Nov-05	0.211	0.230	0.043	-0.002	-0.078	0.011	0.151	0.036	-0.029	0.004
					23-Mar-06	0.048	0.168	0.050	-0.003	-0.125	0.009	0.105	0.010	-0.024	0.008
					18-May-06	0.344	0.166	0.045	-0.003	-0.125	0.011	0.157	0.044	0.056	0.006
					17-Aug-06	-0.011	0.222	0.041	-0.003	-0.185	-0.004	0.331	-0.003	-0.093	0.005
					28-Oct-06	0.036	0.162	0.043	-0.003	-0.185	-0.002	0.094	-0.010	-0.029	-0.001
					15-Mar-07	0.478	0.185	0.044	-0.006	-0.150	-0.004	0.115	0.042	-0.185	-0.009
					13-May-07	0.532	0.188	0.049	-0.003	0.238	0.012	0.145	0.181	0.291	0.008
					19-Aug-07	0.045	0.184	0.043	-0.003	-0.075	0.008	0.077	-0.010	-0.093	0.005
					10-Nov-07	0.245	0.205	0.044	0.011	-0.075	0.021	0.069	0.029	-0.029	-0.001
					21-Mar-08	0.711	0.194	0.043	-0.003	-0.075	0.014	0.202	0.199	0.063	0.004
					23-May-08	**1.011**	0.205	0.044	-0.003	-0.075	0.037	0.126	0.158	-0.093	0.005
					25-Aug-08	0.634	0.192	0.045	-0.003	-0.075	0.021	0.146	0.175	0.115	-0.001
					23-Oct-08	0.631	0.211	0.044	-0.003	-0.075	0.028	0.153	0.147	-0.093	-0.004

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW5S	SFK	Overburden	1,403,290	2,149,307	7-Sep-04	1.402		0.020	-0.002	0.336	0.258	0.207		-0.093	-0.007
					19-Oct-04		0.114	0.020	0.005	-0.155		0.574		0.648	-0.007
					18-Mar-05	1.414	0.183	0.017	0.001	0.396		0.393	0.229	0.110	0.006
					11-May-05	1.598	0.200	0.011	0.002	0.299		0.303	0.325	0.141	0.005
					18-Aug-05	2.345		0.015	-0.002	-0.078		0.452	0.461	0.178	0.005
					9-Nov-05	3.230	0.053	0.011	0.004	-0.078		0.900	0.440	0.339	0.004
					23-Mar-06	2.759	0.166	0.016	-0.003	0.346		0.652	0.427	0.315	0.007
					18-May-06	2.287	0.193	0.014	-0.003	-0.125		0.604	0.318	0.189	0.005
					17-Aug-06	0.833	0.093	0.006	-0.003	-0.185	0.343	0.317	0.142	-0.093	
					29-Oct-06	0.711	-0.016	0.007	-0.003	-0.185	0.390	0.298	0.138	0.204	-0.004
					15-Mar-07	0.699	0.083	0.011	-0.003	0.214	0.218	0.338	0.133	0.198	-0.004
					13-May-07	0.487	0.110	0.013	-0.003	0.270	0.219	0.355	0.174	-0.093	0.004
					19-Aug-07	0.784	0.167	0.015	-0.003	0.206	0.269	0.422	0.370	0.235	0.004
					11-Nov-07	2.989	-0.016	0.007	-0.003	0.168	0.258	0.396	0.345	0.520	0.005
					21-Mar-08	0.780	0.076	0.012	-0.003	-0.075	0.246	0.404	0.204	0.113	0.004
					24-May-08	1.264	0.062	0.007	-0.003	-0.075	0.261	0.239	0.203	-0.093	0.005
					25-Aug-08	1.885	0.065	0.011	-0.003	0.224	0.237	0.459	0.383	0.261	0.004
					22-Oct-08	0.778	0.034	0.005	-0.003	-0.075	0.297	0.240	0.149	-0.093	-0.004
MW6D	NFK	Overburden	1,382,247	2,168,259	7-Sep-04		0.059	0.002	-0.002	-0.155	0.019	0.138	-0.010	-0.093	-0.007
					21-Oct-04	-0.144	0.058	0.002	-0.002	-0.155	0.036	0.153	-0.010	-0.093	-0.007
					20-Mar-05	0.060	0.063	0.002	0.001	-0.031	0.043	0.244	0.009	0.044	0.009
					12-May-05	0.042	0.057	0.002	0.000	0.102	0.016	0.091	0.005	0.171	0.005
					20-Aug-05	0.098	0.085	0.002	-0.002	-0.078		0.130	0.008	-0.029	
					5-Nov-05	-0.011	0.052	0.002	-0.002	-0.078	0.017	0.119	-0.003	-0.029	0.003
					10-Mar-06	0.045	-0.016	0.002	-0.003	-0.125	0.034	0.144	-0.010	-0.046	0.012
					23-May-06	-0.011	0.044	0.002	-0.003	-0.125	0.016	0.131	-0.003	0.137	0.006
					20-Aug-06	-0.011	0.084	0.002	-0.003	-0.185	0.031	0.197	-0.003	-0.093	0.007
					29-Oct-06	-0.011	-0.016	0.002	-0.003	-0.185	-0.002	0.119	-0.003	-0.029	-0.004
					17-Mar-07	0.038	0.043	0.002	-0.003	-0.075	0.015	0.100	-0.003	-0.093	-0.004
					14-May-07	0.134	-0.016	0.004	-0.003	-0.075	0.022	0.147	-0.010	-0.093	0.066
					21-Aug-07	0.029	0.034	0.002	-0.003	-0.075	0.018	0.378	-0.003	-0.093	0.006
					14-Nov-07	0.025	-0.016	0.002	-0.003	-0.075	0.010	0.163	0.007	-0.029	0.006
					23-Mar-08	0.026	0.035	0.002	-0.003	-0.075	0.018	0.101	0.015	-0.029	0.004
					19-May-08	0.026	0.043	0.002	-0.003	-0.075	0.014	0.393	0.016	-0.029	0.004
					25-Aug-08	0.024	0.039	0.002	-0.003	-0.075	0.011	0.095	0.017	-0.029	-0.001
					18-Oct-08	0.019	0.037	0.002	-0.003	-0.075	0.011	0.124	0.011	-0.029	-0.004

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW7D	NFK	Bedrock	1,373,320	2,150,208	6-Sep-04		0.048		0.006	-0.155	0.013	0.137		0.406	-0.007
					20-Oct-04	-0.144	-0.025	0.001	-0.002	-0.155	-0.002	-0.037	-0.003	-0.093	-0.007
					17-Mar-05	0.114	0.035	0.001	0.001	-0.031	0.016	0.041	0.007	0.047	0.004
					15-May-05	0.171	0.033	0.001	0.001	-0.031	0.019	0.045	0.007	-0.065	0.004
					21-Aug-05	0.078	-0.025	0.001	0.005		0.010	0.083	-0.003	0.093	0.005
					12-Nov-05	0.044	0.028	0.000	-0.002	-0.078	0.010	0.077	-0.003	0.517	0.000
					12-Mar-06	0.084	-0.016	0.001	-0.003	-0.125	0.028	0.172	-0.010	0.134	
					23-May-06	0.055	-0.016	0.001	-0.003	-0.125	0.016	0.077	-0.003	-0.046	0.005
					21-Aug-06	0.069	-0.016	0.001	-0.003	-0.185	0.019	0.126	-0.003		0.005
					30-Oct-06	0.033	0.033	0.000	-0.003	-0.185	-0.002	0.111	-0.010	-0.093	-0.001
					18-Mar-07	0.075	-0.016	0.000	-0.003	-0.075	-0.004	0.107	-0.003	-0.093	-0.004
					11-May-07	0.058	0.038	0.001	-0.003	-0.075	0.019	0.118	-0.010	-0.093	0.005
					23-Aug-07	0.033	-0.016	0.001	-0.003	-0.075	0.011	0.126	-0.003	-0.029	0.004
					14-Nov-07	0.024	-0.016	0.000	-0.003	-0.075	-0.004	0.059	-0.003	-0.029	0.004
					23-Mar-08	0.038	-0.016	0.000	-0.003	-0.075	0.017	0.193	0.014	0.065	0.004
					19-May-08	0.032	-0.016	0.000	-0.003	-0.075	0.013	0.043	0.013	-0.029	-0.001
					25-Aug-08	-0.011	0.033	0.000	-0.003	-0.075	0.012	0.213	0.015	-0.029	0.004
					16-Oct-08	0.023	0.040	0.000	-0.003	-0.075	0.011	0.059	0.011	-0.029	-0.001
MW7S	NFK	Overburden	1,373,301	2,150,213	24-Sep-04		0.028	0.002	-0.002	-0.155	0.133	0.159	0.092	-0.093	-0.007
					20-Oct-04		-0.013	0.001	-0.002	-0.155	0.050	-0.037	0.031	-0.093	-0.007
					17-Mar-05		0.032		0.002	0.093	0.246	0.324		0.689	
					15-May-05	0.456	0.021	0.001	0.000	0.079	0.146	0.079	0.042	-0.065	0.006
					21-Aug-05	0.299	-0.013	0.001	-0.002	-0.078	0.152	0.254	0.038	0.170	0.003
					12-Nov-05	0.063	-0.013	0.001	-0.002	-0.078	0.085	0.219	0.008	-0.093	-0.001
					12-Mar-06	0.089	-0.016	0.001	-0.003	-0.125	0.120	0.102	0.023		0.009
					21-Aug-06	0.044	-0.016	0.001	-0.003	-0.185	0.140	0.267	-0.003	-0.093	0.005
					30-Oct-06	-0.011	0.044	0.001	-0.003	-0.185	0.091	0.102	-0.010	-0.029	-0.001
					1-Mar-07										
					11-May-07										
					23-Aug-07	0.091	-0.016	0.001	-0.003	-0.075	0.167	0.098	0.024	-0.093	0.004
					12-Nov-07										
					14-Nov-07	-0.011	-0.016	0.001	-0.003	-0.075	0.103	0.064	0.013	-0.029	0.004
					23-Mar-08										
					19-May-08										
					25-Aug-08	0.034	-0.016	0.001	-0.003	-0.075	0.105	0.054	0.025	-0.029	0.003
					16-Oct-08	0.033	-0.016	0.001	-0.003	-0.075	0.054	0.059	0.011	-0.029	-0.001

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW8D	NFK	Overburden	1,400,010	2,172,705	6-Sep-04	-0.144	0.120	0.003	-0.002	-0.155	0.029	0.186		-0.093	
					19-Oct-04	-0.144	0.107	0.003	-0.002	-0.155	0.015	0.109	-0.010	-0.093	
					15-Mar-05										
					12-May-05	0.022	0.139	0.002	0.000	-0.031	0.047	0.057	0.004	-0.020	0.010
					20-Aug-05	0.037	0.129		-0.002	-0.078	0.058	0.193	0.013	-0.029	0.008
					6-Nov-05	0.032	0.112	0.002	-0.002	-0.078	0.050	0.090	-0.003	-0.029	0.004
					10-Mar-06	0.027	0.116	0.003	-0.003	-0.125	0.048	0.295	-0.010	-0.024	0.011
					20-May-06	0.289	0.106	0.004	-0.003	-0.125	0.046	0.093	0.042	0.089	0.009
					20-Aug-06	0.026	0.126	0.003	-0.003	-0.185	0.048	0.090	-0.003		0.008
					25-Oct-06	-0.011	0.095	0.002	-0.003	-0.185	0.056	0.063	-0.010	-0.029	-0.004
					17-Mar-07	-0.023	0.117	0.002	-0.006	-0.075	0.038	0.113	-0.010	-0.093	-0.004
					14-May-07	0.025	0.106	0.003	-0.003	-0.075	0.041	0.078	0.033	-0.029	0.008
					21-Aug-07	0.032	0.107	0.002	-0.003	-0.075	0.035	0.069	-0.010	-0.093	0.007
					15-Nov-07	0.027	0.113	0.002	-0.003	-0.075	0.028	0.062	0.025	-0.093	0.007
					23-Mar-08	0.048	0.120	0.002	-0.003	-0.075	0.037	0.061	0.047	-0.029	0.007
					20-May-08	-0.011	0.122	0.002	-0.003	-0.075	0.028	-0.019	0.038	-0.029	0.006
					26-Aug-08	**1.102**	0.107	0.002	-0.003	-0.075	0.036	0.159	0.048	-0.029	0.007
					18-Oct-08	0.021	0.116	0.002	-0.003	-0.075	0.032	0.051	0.037	-0.029	-0.004
MW8M	NFK	Overburden	1,399,996	2,172,691	6-Sep-04	-0.045	-0.013	0.004	-0.002	-0.155	0.009	-0.037		-0.093	-0.007
					19-Oct-04	-0.045	-0.013	0.004	-0.002	-0.155	0.014	-0.037	-0.003	-0.093	-0.007
					15-Mar-05	0.030	0.010	0.004	0.000	-0.031	0.013	0.032	0.004	-0.020	0.002
					12-May-05	0.025	0.007	0.004	0.000	-0.031	0.017	0.026	0.003	-0.020	-0.002
					20-Aug-05	0.035	-0.013	0.004	-0.002	-0.078	0.027	0.147	0.017	-0.029	0.003
					6-Nov-05	0.026	-0.025	0.003	-0.002	-0.078	0.014	0.068	-0.003	-0.093	0.000
					10-Mar-06	0.033	-0.016	0.004	-0.003	-0.125	0.031	0.106	-0.010	0.172	0.004
					20-May-06		-0.016	0.004	-0.003	-0.125	0.015	0.089	-0.003	0.426	0.004
					20-Aug-06	-0.011	-0.016	0.004	-0.003	-0.185	0.019	0.085	-0.003	-0.029	-0.001
					25-Oct-06	0.129	-0.016	0.004	-0.003	-0.185	0.023	0.058	-0.010	-0.029	-0.001
					17-Mar-07	0.155	-0.016	0.004	-0.003	-0.075	0.014	0.059	-0.010	-0.093	-0.004
					14-May-07	-0.011	-0.016	0.004	-0.003	-0.075	0.020	0.074	-0.010	0.228	0.008
					20-Aug-07	0.039	-0.016	0.004	-0.003	-0.075	0.025	0.130	-0.010	0.209	0.006
					15-Nov-07	0.037	-0.016	0.004	-0.003	-0.075	0.022	0.057	0.011	-0.029	-0.001
					22-Mar-08	0.078	-0.016	0.004	-0.003	-0.075	0.021	0.056	0.035	-0.029	-0.001
					20-May-08	-0.011	-0.016	0.004	-0.003	-0.075	0.011	-0.019	0.021	-0.029	-0.001
					26-Aug-08	-0.011	-0.016	0.004	-0.003	-0.075	0.015	0.057	0.024	-0.029	-0.001
					18-Oct-08	0.030	-0.016	0.004	-0.003	-0.075	0.020	0.059	0.022	-0.029	-0.001

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
MW8S	NFK	Overburden	1,399,993	2,172,709	6-Sep-04	-0.144	-0.013	0.003	-0.002	-0.155	-0.004	-0.037	0.033	-0.093	-0.007
					19-Oct-04	-0.144	-0.013	0.003	-0.002		0.022	-0.037	-0.010	-0.093	-0.007
					15-Mar-05	0.157	0.008	0.003	0.000	-0.031	0.020	0.067	0.016	-0.020	0.004
					12-May-05	0.200	0.005	0.004	0.001	0.094	0.019	0.102	0.020	0.136	0.004
					20-Aug-05	0.194	-0.013	0.003	-0.002	-0.078	0.040	0.246	0.021	0.069	0.003
					6-Nov-05	0.276	-0.013	0.004	-0.002	-0.078	0.021	0.114	0.029	-0.093	0.000
					10-Mar-06	0.080	-0.016	0.003	-0.003	-0.125	0.037	0.224	-0.010	0.149	0.004
					20-May-06	0.080	-0.016	0.003	-0.003	-0.125	0.025	0.318	0.007	0.100	0.005
					20-Aug-06	0.190	-0.016	0.005	-0.003		0.019	0.347	0.012	0.306	-0.001
					25-Oct-06	0.243	-0.016	0.004	-0.003		0.020	0.276	0.032	-0.093	-0.001
					17-Mar-07	0.065	-0.016	0.003	-0.003	-0.075	0.014	0.522	-0.010	-0.093	-0.004
					14-May-07	0.053	-0.016	0.003	-0.003	-0.075	0.015	0.522	-0.010	-0.029	-0.001
					20-Aug-07	0.091	-0.016	0.003	-0.003	-0.075	0.020	0.381	-0.010	-0.093	0.003
					14-Nov-07										
					14-Nov-07	0.121	-0.016	0.004	-0.003	-0.075	0.018	0.276	0.016	-0.029	-0.001
					23-Mar-08	0.051	-0.016	0.003	-0.003	-0.075	0.015	0.748	0.017	-0.029	0.021
					20-May-08	0.238	-0.016	0.003	-0.003	-0.075	0.014	0.496	0.038	-0.093	-0.001
					26-Aug-08	0.118	-0.016	0.002	-0.003	-0.075	0.011	0.297	0.022	-0.029	-0.001
					18-Oct-08	0.187	-0.016	0.003	-0.003	-0.075	0.016	0.290	0.029	-0.093	-0.001
MW9D	NFK	Overburden	1,373,505	2,150,026	6-Sep-04	-0.144	0.033	0.001	-0.002	-0.155	0.013	-0.037	0.035	-0.093	-0.007
					20-Oct-04	-0.144	-0.025	0.001	-0.002	-0.155	-0.002	-0.037	-0.003	-0.093	-0.007
					17-Mar-05	0.045	0.030	0.000	0.000	-0.031	0.048	0.444	0.005	0.117	0.005
					17-Mar-05										
					15-May-05	0.069	0.030	0.001	0.000	-0.031	0.018	0.034	0.006	-0.065	0.005
					21-Aug-05	0.039	-0.025	0.000	-0.002	-0.078	0.026	0.095	-0.003	0.073	0.005
					6-Nov-05										
					12-Mar-06										
					21-Aug-06	0.607	0.068	0.001	-0.003	-0.185	0.067	0.293	0.060	0.587	0.007
					30-Oct-06										
					1-Mar-07										
					2-Mar-07										
					11-May-07										
					23-Aug-07	0.580	-0.016	0.001	-0.003	-0.075	0.111	0.120	0.098	-0.093	0.004
					23-Mar-08										
					17-May-08										

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
P0637D	UT	Bedrock	1,409,444	2,163,540	4-Nov-06	0.072	0.308	0.054	0.010	-0.185	-0.002	0.093	0.619		0.030
					23-Mar-07	0.064	0.325	0.065	0.007	-0.075	-0.002	0.066	0.707	-0.093	0.021
					15-May-07	-0.011	0.303	0.061	0.008	-0.075	-0.002	0.150	0.721	0.213	0.024
					20-Aug-07	0.049	0.292	0.056	0.009	-0.075	-0.002	0.089	0.638	-0.029	0.017
					17-Nov-07	0.058	0.312	0.060	0.016	-0.075	0.010	0.147	0.682	-0.093	0.019
					25-Mar-08	0.240	0.317	0.057	-0.006	0.183	0.005	0.122	0.730	0.136	0.017
					24-May-08	0.082	0.347	0.063	0.011	-0.075	0.010	0.065	0.720	0.226	-0.001
					27-Aug-08	0.024	0.328	0.058	0.009	-0.075	-0.002	0.062	0.670	0.063	0.018
					19-Oct-08	0.035	0.326	0.058	0.013	-0.075	0.005	0.064	0.700	-0.029	0.018
P0637M	UT	Bedrock	1,409,436	2,163,524	3-Nov-06		-0.016	0.015				0.253			0.029
					23-Mar-07	0.116	-0.016	0.014	-0.003	-0.075	0.044		0.025	0.489	0.036
					15-May-07	0.030	-0.016	0.013	-0.003	-0.075	0.036	0.161	0.031	0.561	0.031
					20-Aug-07	0.027	-0.016	0.012	-0.003	-0.075	0.033	0.206	-0.010	0.237	0.029
					17-Nov-07	0.033	-0.016	0.013	-0.003	-0.075	0.033	0.470	0.023	0.291	0.029
					25-Mar-08	0.035	-0.016	0.012	-0.003	-0.075	0.017	0.467	0.040	0.191	0.027
					24-May-08	-0.011	-0.016	0.013	-0.003	-0.075	0.022	0.354	0.024	-0.093	0.010
					27-Aug-08	-0.011	-0.016	0.013	-0.003	-0.075	-0.002	0.322	0.033	0.278	0.027
					19-Oct-08	0.201	-0.016	0.005	-0.003	-0.075		0.089	0.077	-0.029	-0.004
P0637S	UT	Overburden	1,409,431	2,163,508	3-Nov-06	0.088	-0.016	0.005	-0.003		0.051	0.141	0.029	0.222	-0.004
					23-Mar-07	0.024	-0.016	0.005	-0.003	-0.075	0.047	0.114	-0.010	0.257	0.009
					15-May-07	0.101	-0.016	0.005	-0.003	-0.075	0.055	0.096	0.054	-0.093	0.006
					20-Aug-07	0.109	-0.016	0.005	-0.003	-0.075	0.052	0.108	0.021	-0.029	0.007
					17-Nov-07	0.406	-0.016	0.005	-0.003	-0.075	0.093	0.130	0.070	-0.093	0.007
					23-Mar-08	0.082	-0.016	0.005	-0.003	-0.075	0.074	0.089	0.067	-0.029	0.007
					25-May-08	0.113	-0.016	0.005	-0.003	-0.075	0.152	0.090	0.058	-0.029	-0.001
					28-Aug-08	0.048	-0.016	0.005	-0.003	-0.075	0.151	0.083	0.071	-0.029	0.006
					19-Oct-08	0.021	-0.016	0.013	-0.003	-0.075	0.018	0.437	0.032	0.206	
P0638D	UT	Bedrock	1,406,578	2,166,681	4-Nov-06										
					23-Mar-07										
					15-May-07										
					23-Aug-07	0.370	**4.830**	0.040	-0.003	-0.075	0.025	0.150	0.263	0.430	0.053
					22-Mar-08										
					17-May-08										
P0638M	UT	Bedrock	1,406,562	2,166,691	27-Mar-08	**856.322**	**1.680**	0.647	0.618	**4.950**	**2.604**	**36.037**	**82.300**	**63.519**	-0.005
					22-May-08	**859.770**	**1.220**	0.847	0.495	**5.760**	**2.988**	**41.481**	**87.600**	**89.815**	0.017
					27-Aug-08	**397.701**	**1.650**	0.433	0.488	**3.080**	**1.417**	**20.556**	**44.800**	**44.630**	0.012
					21-Oct-08	**308.046**	**1.210**	0.286	0.295	**1.920**	**1.113**	**14.074**	**31.000**	**32.037**	-0.004

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
P4S	SFK	Overburden	1,405,224	2,155,643	8-Nov-05			0.013	-0.002	-0.078	0.128	0.277		0.211	0.003
					9-Mar-06	0.076		0.012	-0.003	-0.125		0.200	0.042	0.110	0.005
					20-May-06	0.147	-0.016	0.024	-0.003	-0.125	0.043	0.270	0.021	0.070	0.006
					19-Aug-06	0.082		0.014	-0.003	-0.185	0.088	0.220	0.018	0.244	0.005
					26-Oct-06	0.168	-0.016	0.022	-0.003	-0.185	0.070	0.870	0.031	-0.093	-0.001
					16-Mar-07	0.058	0.044	0.013	-0.006	-0.075	0.046	0.489	0.022	-0.093	-0.004
					13-May-07	0.159	-0.016	0.025	-0.003	0.190	0.048	0.474	0.080	-0.029	0.006
					18-Aug-07	0.167	0.032	0.012	-0.003	-0.075	0.058	0.378	0.022	-0.029	0.004
					9-Nov-07	0.109	-0.016	0.016	-0.003	-0.075	0.062	0.330	0.051	-0.029	0.004
					26-Mar-08	0.629	-0.016	0.015	-0.003	-0.075	0.103	0.781	0.128	0.097	0.004
					20-May-08	0.050	-0.016	0.028	-0.003	0.215	0.032	0.322	0.087	-0.093	0.003
					26-Aug-08	0.025	-0.016	0.014	-0.003	-0.075	0.042	0.167	0.045	-0.029	0.004
					21-Oct-08	0.044	-0.016	0.020	-0.003	-0.075	0.062	0.456	0.064	-0.029	-0.001
PQ4	SFK	Bedrock	1,401,059	2,157,434	9-Nov-05		**1.060**	0.007		**1.130**	0.048	**210.741**			0.048
					9-Mar-06	**2.287**	**1.080**	0.004	0.016	**3.290**	0.037	**356.296**	0.943		0.059
					19-May-06	**2.264**	0.791	0.003	0.007	**2.510**	0.024	**381.482**	0.797	0.380	0.044
					18-Aug-06	**2.069**	0.742	0.002	0.011	**2.340**	0.037	**374.074**	0.699	0.322	0.039
					28-Oct-06	**1.793**	0.743	0.002	-0.003	**2.140**	-0.002	**381.482**	0.718	0.213	0.045
					16-Mar-07	**2.770**	0.765	0.003	-0.006	**2.740**	0.094	**437.037**	0.750	-0.185	0.066
					12-May-07	0.132	-0.016	0.005	-0.003	-0.075		0.154	0.024	-0.093	-0.001
					18-Aug-07	**2.471**	0.693	0.002	0.011	**2.280**	0.035	**411.111**	0.564	0.281	0.040
					17-Nov-07	**2.632**	0.749	0.002	0.011	**2.560**	0.036	**388.889**	0.676	-0.093	0.046
					25-Mar-08	**2.207**	0.703	0.002	-0.006	**2.400**	0.031	**403.704**	0.609	0.139	0.038
					24-May-08	**2.460**	0.715	0.002	0.007	**2.560**	0.023	**407.407**	0.590	-0.093	0.022
					28-Aug-08	**2.333**	0.723	0.002	0.009	**2.590**	0.023	**418.519**	0.593	0.141	0.041
					21-Oct-08	**2.333**	0.701	0.002	0.011	**2.370**	0.011	**385.185**	0.573	-0.093	0.036
PW0810			-	-	16-Jul-08	0.153	0.059	0.001	-0.003	-0.025	-0.004	-0.019	0.023	-0.006	-0.004

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
PW089PT			-	-	22-May-08	0.123	0.266	0.006	-0.003	-0.075	0.025	0.074	0.053	-0.029	-0.001
					23-Mar-05	**6.391**	0.191	0.087	0.005	-0.031	0.145	0.212	0.594	0.550	0.004
					15-May-05	**1.598**	0.172	0.096	0.002	-0.031	0.153	0.206	0.194	0.311	0.008
					19-Aug-05	**7.563**	0.221	0.112	0.008	-0.078	0.352	0.370	**1.320**	0.907	
					7-Nov-05	**3.701**	0.151	0.086	-0.002	-0.078	0.417	0.281	0.536	0.961	0.007
					9-Mar-06	**7.563**	0.163	0.109	-0.003	-0.125	0.463	0.467	0.717	**1.172**	0.009
					20-May-06	**1.598**	0.134	0.098	-0.003	-0.125	0.228	0.200	0.249	**2.204**	0.013
					19-Aug-06	**1.085**	0.188	0.109	0.007	-0.185	0.127	0.277	0.421	0.739	0.003
					26-Oct-06	**6.287**	0.166	0.108	-0.003	-0.185	0.247	0.289	0.799	0.700	-0.004
					16-Mar-07	**1.724**	0.149	0.111	-0.006	-0.150	0.446	0.283	0.473	0.535	-0.003
					15-May-07	**1.172**	0.142	0.108	-0.003	-0.075	0.227	0.221	0.219	0.294	0.008
					19-Aug-07	**2.759**	0.145	0.104	-0.003	-0.075	0.065	0.240	0.468	0.278	0.005
					9-Nov-07	0.766	0.161	0.113	-0.003	-0.075	0.069	0.196	0.153	0.202	0.005
					27-Mar-08	**2.172**	0.131	0.092	-0.003	-0.075	0.147	0.151	0.357	0.276	0.003
					20-May-08	**7.747**	0.204	0.113	0.007	-0.075	0.311	0.411	0.879	0.989	0.007
					27-Aug-08	0.734	0.160	0.100	-0.003	-0.075	0.033	0.089	0.211	0.224	0.005
					20-Oct-08	**2.000**	0.173	0.109	-0.003	-0.075	0.066	0.153	0.356	0.554	0.009
SRK3	UT	Bedrock	1,406,856	2,158,120	8-Nov-05	0.041	-0.013	0.330	-0.002	-0.078	0.011	0.114	0.178	-0.093	0.003
					9-Mar-06	0.052	-0.016	0.371	0.011	0.272	0.021	0.155	0.190		
					20-May-06	0.152	-0.016	0.334	-0.003	-0.125	0.017	0.230	0.208	**2.074**	
					19-Aug-06	0.063	0.070	0.378	-0.003	-0.185	0.011	0.374	0.161	0.696	-0.001
					26-Oct-06	-0.011	-0.016	0.364	-0.003	-0.185	0.006	0.088	0.143	-0.093	-0.001
					16-Mar-07	-0.023	-0.031	0.380	-0.006	-0.150	0.018	0.091	0.314	-0.185	-0.003
					13-May-07	-0.011	-0.016	0.407	-0.003	-0.075	-0.004	0.043	0.261	-0.029	0.004
					19-Aug-07	0.027	0.031	0.405	-0.003	-0.075	-0.002		0.154	0.219	-0.001
					9-Nov-07	0.027	0.037	0.472	-0.003	-0.075	0.015	0.055	0.205	-0.029	-0.001
					27-Mar-08	0.022	-0.016	0.373	-0.003	-0.075	0.005	0.085	0.259	-0.029	-0.001
					20-May-08	0.059	0.049	0.422	-0.003	-0.075	0.014	0.141	0.325	-0.029	-0.001
					26-Aug-08	-0.011	0.045	0.360	-0.003	-0.075	-0.004	0.078	0.300	0.106	0.003
					20-Oct-08	0.025	0.059	0.391	-0.003	-0.075	-0.002	0.073	0.266	-0.029	-0.001

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
SRK5D	SFK	Bedrock	1,401,946	2,154,185	24-Sep-04		-0.013	0.003	-0.002	-0.155	0.015	0.911	0.050	0.196	
					14-May-05	0.140	0.016	0.001	0.000	0.195	-0.001	**1.433**	0.003	-0.065	0.006
					18-Aug-05	0.110	-0.025	0.001	-0.002	-0.078	0.047	**1.541**	0.014	0.067	0.004
					18-Aug-06	0.034	0.031	0.001	-0.003	-0.185	0.010	**1.367**	-0.003	0.194	0.005
					27-Oct-06										
					1-Mar-07										
					12-May-07										
					18-Aug-07										
					22-Mar-08										
					20-May-08										
SRK5M	SFK	Overburden	1,401,955	2,154,197	25-Sep-04	-0.144	-0.013	0.006	-0.002	-0.155	0.023	0.280	0.015	-0.093	-0.007
					20-Oct-04	-0.144	-0.013	0.006	-0.002	-0.155	0.011	0.236	-0.010	-0.093	-0.007
					18-Mar-05	0.020	0.021	0.007	0.001	0.096	0.011	0.164	-0.001	-0.020	0.004
					14-May-05	0.057	0.038	0.007	0.000	-0.031	-0.001	0.095	0.006	-0.020	-0.002
					18-Aug-05	0.031	-0.025	0.006	-0.002	-0.078	0.011	0.139	0.023	-0.029	-0.001
					8-Nov-05	-0.011	-0.013	0.007	-0.002	-0.078	-0.004	0.147	-0.003	-0.029	0.000
					10-Mar-06	0.031	-0.016	0.007	-0.003	-0.125	0.024	0.143	-0.010	-0.024	0.005
					18-May-06	0.036	-0.016	0.006	-0.003	-0.125	0.019	0.262	0.008	0.170	0.003
					17-Aug-06	0.024	-0.016	0.006	-0.003	-0.185	0.008	0.137	-0.003	-0.093	-0.001
					27-Oct-06	-0.011	-0.016	0.007	-0.003	-0.185	-0.002	0.143	-0.003	-0.093	-0.001
					13-Mar-07	0.090	-0.016	0.006	-0.003	-0.075	-0.004	0.221	-0.003	-0.093	-0.004
					12-May-07	**2.161**	0.662	0.002	0.007	**2.450**	0.022	**392.593**	0.601	0.326	0.045
					18-Aug-07	-0.011	-0.016	0.006	-0.003	-0.075	0.007	0.433	-0.003	-0.029	0.003
					10-Nov-07	-0.004	-0.016	0.006	-0.003	-0.075	0.014	0.107	-0.003	-0.029	-0.001
					22-Mar-08	0.202	-0.016	0.006	-0.003	-0.075	0.016	0.478	0.042	-0.029	0.003
					21-May-08	-0.011	-0.016	0.007	-0.003	-0.075	0.006	0.116	0.025	-0.029	-0.001
					26-Aug-08	0.028	-0.016	0.006	-0.003	-0.075	-0.004	0.122	0.034	-0.029	0.003
					22-Oct-08	0.043	-0.016	0.006	-0.003	-0.075	-0.002	0.136	0.032	-0.029	-0.004

Total (Unfiltered)															
Well	Location	Geology	Easting	Northing	Parameter	Al	Ar	Ba	Be	Cd	Cr	Cu	Fe	Pb	Sb
					Most Stringent ADEC Criterion (µg/L)	87	10	1000	4	0.1	24	2.7	1000	0.54	5.6
					Date	Ratio to Criterion									
SRK5S	SFK	Overburden	1,401,976	2,154,174	25-Sep-04	**2.333**	-0.013	0.009	-0.002		0.095	**1.244**	0.235	0.274	
					20-Oct-04	**2.736**	-0.013	0.006	-0.002	-0.155	0.024	0.670	0.077	0.233	-0.007
					18-Mar-05	0.108	0.006	0.006	0.001	-0.031	0.138	0.169	0.020	0.123	0.003
					14-May-05	0.107	0.003	0.008	0.001	-0.031	0.160	0.136	0.019	-0.065	0.006
					18-Aug-05	**2.253**	-0.025	0.006	0.004	-0.078	0.130	**1.878**	0.304	0.380	0.002
					8-Nov-05	**1.077**	-0.013	0.007	-0.002	-0.078	0.072	0.915	0.137	0.193	0.000
					10-Mar-06	**2.437**	-0.016	0.008	-0.003	-0.125	0.176	**1.752**	0.324	0.315	0.004
					18-May-06	0.224	-0.016	0.006	-0.003	-0.125	0.124	0.250	0.031	0.083	0.003
					17-Aug-06	0.326	-0.016	0.008	-0.003	-0.185	0.257	0.362	0.067	-0.093	0.004
					27-Oct-06	**1.253**	-0.016	0.007	-0.003	-0.185	0.248	**1.122**	0.209	-0.093	-0.001
					13-Mar-07	**4.195**	0.061	0.008	-0.003	-0.075	0.300	**2.700**	0.545	0.469	-0.004
					12-May-07	**1.598**	-0.016	0.006	-0.003	-0.075	0.016	0.426	0.096	0.194	0.006
					18-Aug-07	**2.667**	0.032	0.007	-0.003	-0.075	0.178	**1.919**	0.365	0.285	0.005
					10-Nov-07	**1.989**	-0.016	0.006	0.007	-0.075	0.172	**2.259**	0.239	0.635	-0.001
					22-Mar-08	**1.586**	-0.016	0.006	-0.003	-0.075	0.115	**1.215**	0.211	0.222	0.003
					21-May-08	0.074	-0.016	0.005	-0.003	-0.075	0.097	0.129	0.018	-0.093	-0.001
					26-Aug-08	0.090	-0.016	0.005	-0.003	-0.075	0.128	0.147	0.025	-0.029	-0.001
					22-Oct-08	0.122	-0.016	0.005	-0.003	-0.075	0.083	0.162	0.024	-0.093	-0.004

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
KPP4	SFK	Overburden	1,406,227	2,155,596	22-Mar-05	0.068		0.034	0.049	0.011	-0.004	0.047	0.012	0.104
					14-May-05	0.054	-0.630	0.041	0.238	0.007	-0.004	-0.009	0.011	-0.007
					19-Aug-05	0.043	-0.620	0.027	0.108	-0.017	-0.010	-0.013	0.013	-0.021
					7-Nov-05	0.032	-0.620	0.027	0.073	-0.017	-0.010	-0.013	0.012	-0.021
					9-Mar-06	0.082	-0.009	0.034	0.093	-0.034	-0.010	0.068	0.009	0.065
					19-May-06	0.015	-0.009	0.021	0.074	-0.034	-0.010	-0.010	0.011	0.015
					19-Aug-06	0.013	-0.009	0.025	0.076	-0.034	-0.010	-0.021	0.010	-0.014
					26-Oct-06	0.021	0.020	0.040	0.121	-0.034	-0.010	-0.021	0.010	-0.004
					15-Mar-07	**3.460**	-0.003	0.014	0.316	-0.067	-0.019	-0.042	0.154	0.358
					13-May-07	0.149	-0.003	0.025	0.119	-0.034	-0.010	-0.021	0.008	0.028
					17-Aug-07	0.023	-0.003	0.023	0.064	-0.034	-0.010	-0.021	0.010	-0.014
					9-Nov-07	0.026	-0.003	0.032	0.091	-0.034	-0.010	-0.021	0.014	-0.014
					26-Mar-08	0.081	-0.015	0.028	0.131	-0.034	-0.010	-0.021	0.012	0.026
					21-May-08	0.008	-0.015	0.023	0.063	-0.034	-0.010	-0.021	0.009	-0.014
					26-Aug-08	0.013	-0.015	0.024	0.079	-0.034	-0.010	-0.021	0.008	-0.004
					20-Oct-08	0.019	-0.015	0.030	0.076	-0.034	-0.010	-0.021	0.010	0.034
MW10	NFK	Bedrock	1,382,991	2,165,430	21-Oct-04	-0.010		-0.016	0.025	-0.034	-0.010	-0.052	0.004	-0.007
					20-Mar-05	0.003			0.018	0.028	-0.004	-0.021	0.006	0.057
					12-May-05	0.004		0.014	0.007	0.024	-0.004	-0.009	0.005	-0.007
					20-Aug-05					0.062				0.122
					6-Nov-05	-0.002		0.019	0.030	-0.017	-0.010	-0.013	-0.002	-0.021
					12-Mar-06	0.005	-0.009		0.023	0.072	-0.010	0.084	-0.003	0.075
					23-May-06	0.007	-0.009	0.013	0.019	-0.034	-0.010	-0.010	0.006	0.016
					20-Aug-06	0.002	-0.009	0.012	0.019	-0.034	-0.010	-0.021	0.005	-0.014
					29-Oct-06	0.003	-0.009	0.018	0.018	-0.034	-0.010	-0.021	0.007	-0.014
					18-Mar-07	0.003	0.043	0.017	0.020	-0.034	-0.010	-0.021	0.006	0.045
					14-May-07	0.002	-0.003	0.017	0.024	-0.034	-0.010	-0.021	-0.002	-0.014
					23-Aug-07	0.002	-0.003	0.016	0.014	-0.034	-0.010	-0.021	0.004	0.039
					15-Nov-07	0.003	-0.003	0.017	0.021	-0.034	-0.010	-0.021	0.006	-0.014
					22-Mar-08	0.002	-0.015	0.016	0.020	-0.034	-0.010	-0.021	0.004	0.021
					19-May-08	0.003	-0.015	0.017	0.021	-0.034	-0.010	-0.021	0.004	-0.014
					25-Aug-08	0.001	-0.015	0.016	0.013	0.078	-0.010	-0.021	0.004	-0.014
					17-Oct-08	0.001	-0.015	0.016	0.019	-0.034	-0.010	-0.021	0.005	0.036

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW11D	SFK	Overburden	1,398,347	2,126,294	21-Oct-04	-0.010		-0.016	0.019	-0.034	-0.010	-0.052	-0.001	-0.007
					21-Mar-05	0.006		0.031	0.033	0.007	-0.004	-0.021	0.003	-0.007
					13-May-05	0.005		0.019	0.025	0.009	-0.004	-0.009	0.002	-0.014
					16-Aug-05	0.009		0.003	0.044	-0.017	-0.010	-0.013	0.002	-0.021
					10-Nov-05	0.006		0.021	0.035	-0.017	-0.010	-0.013	-0.001	-0.021
					22-Mar-06		-0.009	0.016	0.030	-0.034	-0.010	-0.010	-0.001	0.024
					21-May-06	0.004	-0.009	0.017	0.033	-0.034	-0.010	0.028	-0.001	-0.007
					21-Aug-06	0.006	-0.009	0.018	0.020	-0.034	-0.010	-0.021	-0.003	0.057
					1-Nov-06	0.002	-0.009	0.017	-0.006	-0.034	-0.010	-0.021	0.008	-0.004
					22-Mar-07	0.003	-0.003	0.023	0.024	-0.034	-0.010	-0.021	-0.002	-0.014
					10-May-07	0.004	-0.003	0.031	0.029	-0.034	-0.010	-0.021	-0.002	-0.014
					21-Aug-07	0.004	-0.003	0.028	0.023	-0.034	-0.010	-0.021	-0.002	0.372
					11-Nov-07	0.003	-0.003	0.028	0.022	-0.034	-0.010	-0.021	-0.002	0.032
					20-Mar-08	0.006	-0.015	0.021	0.022	-0.034	-0.010	-0.021	-0.002	0.021
					18-May-08	0.002	-0.015	0.023	0.014	-0.034	-0.010	-0.021	-0.002	-0.004
					24-Aug-08	0.005	-0.015	0.022	0.020	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Oct-08	0.003	-0.015	0.023	0.029	-0.034	-0.010	-0.021	-0.002	-0.014
MW11M	SFK	Overburden	1,398,341	2,126,307	21-Oct-04	-0.005		-0.016	0.014	-0.034	-0.010	-0.052	-0.001	-0.007
					21-Mar-05	0.012			0.069	0.012	-0.004	-0.021	0.001	0.020
					13-May-05	0.005		0.018	0.043	0.014	-0.004	-0.009	0.001	-0.007
					16-Aug-05	0.006		-0.001	0.050	-0.017	-0.010	-0.013	-0.001	-0.021
					11-Nov-05	-0.002	-0.620	0.004	0.017	-0.017	-0.010	-0.013	-0.002	-0.021
					22-Mar-06	0.008	-0.009	0.016	0.023	-0.034	-0.010	-0.010	-0.001	0.053
					21-May-06	0.004	-0.009	0.008	0.043	-0.034	-0.010	0.050	-0.001	0.021
					21-Aug-06	0.005	-0.009	0.012	0.025	-0.034	-0.010	-0.021	-0.003	0.044
					1-Nov-06	0.006	0.046	0.020	0.023	-0.034	-0.010	0.067	0.010	-0.004
					22-Mar-07	0.017	-0.003	0.019	0.034	-0.034	-0.010	-0.021	-0.002	0.043
					10-May-07	0.003	-0.003	0.019	0.026	-0.034	-0.010	-0.021	-0.002	-0.014
					21-Aug-07	0.005	-0.003	0.018	0.021	-0.034	-0.010	-0.021	-0.002	0.054
					11-Nov-07	0.001	-0.003	0.020	0.012	-0.034	-0.010	-0.021	-0.002	-0.014
					19-Mar-08	0.005	-0.015	0.018	0.027	-0.034	-0.010	-0.021	-0.002	0.116
					18-May-08	0.002	-0.015	0.017	0.013	-0.034	-0.010	-0.021	-0.002	-0.014
					24-Aug-08	0.002	-0.015	0.017	0.011	-0.034	-0.010	-0.021	-0.002	0.175
					22-Oct-08	0.002	-0.015	0.017	0.014	-0.034	-0.010	-0.021	-0.002	0.035

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW11S	SFK	Overburden	1,398,338	2,126,323	21-Oct-04	0.108			0.042	-0.034	-0.010		-0.001	-0.007
					21-Mar-05	0.034		0.016	0.035	0.009	-0.004	-0.021	0.002	-0.007
					13-May-05	0.023		0.012	0.045	0.009	-0.004	-0.009	0.002	-0.007
					16-Aug-05	0.020		0.000	0.040	-0.017	-0.010	-0.013	-0.001	-0.006
					11-Nov-05	0.022		0.010	0.044	-0.017	-0.010	-0.013	0.002	-0.021
					22-Mar-06		-0.009			-0.034	-0.010	-0.010	0.005	0.058
					21-Aug-06	0.009	-0.009	0.007	0.052	-0.034	-0.010	-0.021	-0.003	0.031
					1-Nov-06	0.008	-0.009	0.012	0.042	-0.034	-0.010	-0.021	0.009	-0.004
					22-Mar-07	0.054	-0.003	0.017	0.106	-0.034	-0.010	-0.021	-0.002	0.029
					10-May-07									
					21-Aug-07	0.019	-0.003	0.016	0.106	-0.034	-0.010	-0.021	-0.002	0.098
					11-Nov-07	0.015	-0.003	0.016	0.068	-0.034	-0.010	-0.021	-0.002	0.029
					20-Mar-08	0.026	-0.015	0.013	0.053	-0.034	-0.010	-0.021	-0.002	0.018
					18-May-08	0.011	-0.015	0.014	0.057	-0.034	-0.010	-0.021	-0.002	-0.014
					24-Aug-08	0.018	0.033	0.014	0.049	-0.034	-0.010	-0.021	-0.002	0.061
					22-Oct-08	0.007	-0.015	0.015	0.046	-0.034	-0.010	-0.021	-0.002	-0.014
MW11SS	SFK	Overburden	1,398,360	2,126,302	11-Nov-05			0.026	0.148	-0.017		0.064	0.013	0.711
					22-Aug-06	0.027	-0.009	0.011	0.079	-0.034	-0.010	-0.021	-0.003	0.043
					1-Nov-06		0.021	0.018	0.074	-0.034	-0.010	0.043	0.011	0.209
					21-Aug-07	0.009	-0.003	0.010	0.048	-0.034	-0.010	-0.021	-0.002	0.204
					20-Mar-08	0.005	-0.015	0.009	0.053	-0.034	-0.010	-0.021	-0.002	0.049
					18-May-08	0.032	-0.015	0.017	0.111	-0.034	-0.010	-0.021	-0.002	0.034
					24-Aug-08	0.011	-0.015	0.011	0.056	-0.034	-0.010	-0.021	-0.002	0.057
					22-Oct-08	0.006	0.032	0.009	0.033	-0.034	-0.010	-0.021	-0.002	0.042
MW12D	SFK	Bedrock	1,399,179	2,155,575	19-Aug-05			**1.290**		0.330	-0.010	-0.013	0.003	0.061
					8-Nov-05	0.240		**1.120**	0.075	0.337	-0.010	-0.013	0.005	-0.021
					24-Mar-06		-0.009	**1.170**	0.079	0.261	-0.010	-0.010	0.005	0.056
					19-May-06		-0.009	**1.310**	0.071	0.289	-0.010	-0.010	0.008	0.031
					18-Aug-06		-0.009	**1.300**	0.108	0.335	-0.010	-0.021	0.009	0.077
					28-Oct-06	0.254	0.039	**1.290**	0.059	0.274	-0.010	0.068	0.013	-0.014
					13-Mar-07	0.284	0.013	**1.390**	0.094	0.324	-0.010	-0.021	0.010	0.043
					12-May-07	0.284	-0.003	**1.360**	0.077	0.322	0.024	-0.021	0.005	0.031
					17-Aug-07	0.218	-0.050	**1.300**	0.065	0.283	-0.010	-0.021	0.007	0.078
					10-Nov-07	0.172	0.010	**1.240**	0.046	0.354	-0.010	-0.021	0.004	-0.014
					26-Mar-08	0.142	-0.015	**1.260**	0.058	0.283	-0.010	-0.021	0.007	0.048
					21-May-08	0.147	-0.015	**1.350**	0.049	0.320	-0.010	-0.021	0.005	0.029
					28-Aug-08	0.121	-0.015	**1.280**	0.050	0.348	-0.010	-0.021	0.005	0.055
					21-Oct-08	0.116	-0.015	**1.340**	0.053	0.287	-0.010	-0.021	0.005	0.029

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW12S	SFK	Overburden	1,399,199	2,155,589	19-Aug-05					-0.017	-0.010	-0.013	0.007	0.084
					9-Nov-05					-0.017	0.050	-0.013		
					24-Mar-06	**6.440**	-0.050	0.966	0.229	0.075	0.033	-0.010	0.015	0.093
					19-May-06	**6.220**	0.061	0.947	0.218	0.201	-0.031	-0.010	0.022	0.076
					18-Aug-06	**6.320**	0.029	0.941	0.169	0.156	0.039	-0.021	0.023	0.089
					28-Oct-06	**5.660**	0.037	0.835	0.283	0.228	0.086	0.093	0.041	
					12-Mar-07	**5.080**	-0.003	0.831	0.223	0.430	-0.019	-0.042	0.019	0.078
					12-May-07	**4.340**	-0.003	0.887	0.222	0.878	0.029	0.047	0.007	0.069
					17-Aug-07	**5.320**	-0.050	0.994	0.174	0.354	0.025	-0.021	0.010	0.050
					10-Nov-07	**5.760**	0.012	0.957	0.182	0.278	-0.010	0.060	0.005	0.051
					26-Mar-08	**5.600**	-0.015	0.888	0.104	-0.135	-0.039	-0.083	0.013	0.037
					21-May-08	**5.360**	-0.015	0.932	0.112	-0.034	-0.010	-0.021	-0.002	0.029
					28-Aug-08	**4.940**	-0.015	0.829	0.106	-0.034	-0.010	-0.021	-0.002	0.078
					21-Oct-08	**5.400**	-0.015	0.973	0.163	-0.034	-0.010	-0.021	-0.002	0.041
MW13D	SFK	Bedrock	1,376,786	2,127,185	22-Aug-05									
					12-Nov-05	0.093	-0.620	0.123	0.047	-0.017	0.043	-0.013	0.012	0.049
					21-Mar-06	0.074	-0.009	0.172	0.166	-0.034	0.023	-0.010	0.006	0.085
					22-May-06	0.093	-0.009	0.195	0.102	-0.034	-0.010	0.088	0.006	0.030
					24-Aug-06	0.125	-0.009	0.154	0.059	-0.034	0.058	-0.021	-0.003	0.045
					31-Oct-06	0.095	-0.009	0.127	0.069	-0.034	-0.010	-0.021	0.010	-0.014
					18-Mar-07	0.045	0.011	0.165	0.041	-0.034	-0.010	-0.021	0.005	0.059
					11-May-07	0.021	-0.003	0.147	0.049	-0.034	-0.010	0.281	-0.002	-0.014
					22-Aug-07	0.014	-0.003	0.136	0.040	-0.034	-0.010	-0.021	-0.002	0.056
					14-Nov-07	0.023	-0.003	0.125	0.031	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Mar-08	0.208	-0.015	0.145	0.098	-0.034	0.025	-0.021	-0.002	0.041
					17-May-08	0.022	-0.015	0.139	0.121	-0.034	-0.010	-0.021	-0.002	-0.014
					24-Aug-08	0.009	-0.015	0.125	0.053	-0.034	-0.010	-0.021	-0.002	-0.014
					15-Oct-08	0.009	0.043	0.120	0.047	-0.034	-0.010	-0.021	-0.002	0.043

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW13S	SFK	Overburden	1,376,803	2,127,170	22-Aug-05	0.013		0.036	0.046	-0.017	-0.010		0.003	-0.021
					11-Nov-05	0.011		0.034	0.050	-0.017	-0.010	-0.013	0.005	-0.021
					21-Mar-06	0.005	-0.009		0.047	-0.034	-0.010		-0.003	0.048
					22-May-06	0.004	0.025	0.044	0.026	-0.034	-0.010	0.036	0.002	0.024
					24-Aug-06	0.004	-0.009	0.029	0.030	-0.034	-0.010	-0.021	-0.003	0.063
					31-Oct-06	0.004	-0.009	0.038	0.032	-0.034	-0.010	-0.021		-0.004
					18-Mar-07	0.012	-0.003	0.032	0.036	-0.034	-0.010	-0.021	-0.002	-0.014
					11-May-07	0.003	0.008	0.027	0.023	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Aug-07	0.003	-0.003	0.030	0.017	-0.034	-0.010	-0.021	-0.002	0.060
					14-Nov-07	0.005	-0.003	0.042	0.037	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Mar-08	0.040	-0.015	0.030	0.040	-0.034	-0.010	-0.021	-0.002	0.018
					17-May-08	0.003	-0.015	0.029	0.037	-0.034	-0.010	-0.021	-0.002	-0.014
					24-Aug-08	0.080	-0.015	0.017	0.098	-0.034	-0.010	-0.021	-0.002	-0.014
					15-Oct-08	0.013	-0.015	0.041	0.084	-0.034	-0.010	-0.021	-0.002	-0.014
MW14D	SFK	Bedrock	1,405,524	2,131,544	10-Nov-05	**1.758**				-0.017	-0.010	-0.013	0.006	
					23-Mar-06	**4.960**	-0.050		0.182	-0.034	-0.010	-0.010	0.005	0.071
					21-May-06	**3.720**	0.025		0.169	-0.034	-0.010	0.027	-0.001	0.028
					23-Aug-06	**4.500**	0.027		0.201	-0.034		-0.021	-0.003	0.033
					3-Nov-06	**5.900**	-0.009	0.309	0.164	-0.034		-0.021	-0.003	-0.014
					20-Mar-07	**4.860**	0.010	0.300	0.216	-0.034	-0.010	-0.021	-0.002	0.046
					9-May-07	**7.000**	-0.003	0.306	0.265	0.105	-0.010	-0.021	0.004	0.041
					20-Aug-07	**4.300**	-0.003	0.242	0.147	-0.034	-0.010	-0.021	-0.002	0.117
					12-Nov-07	**4.760**	0.029	0.234	0.130	-0.034	-0.010	-0.021	-0.002	-0.014
					19-Mar-08	**4.580**	-0.015	0.224	0.148	-0.034	-0.010	-0.021	-0.002	0.043
					23-May-08	**3.480**	-0.015	0.197	0.088	-0.034	-0.010	-0.021	-0.002	0.033
					26-Aug-08	**3.380**	-0.015	0.196	0.143	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Oct-08	**3.240**	0.348	0.207	0.171	-0.034	-0.010	-0.021	0.004	0.049

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW14S	SFK	Overburden	1,405,507	2,131,554	10-Nov-05	0.044	-0.620	0.030	0.044	0.054	0.020	-0.013	0.002	-0.021
					23-Mar-06	0.015	-0.009	0.033	0.043	-0.034	-0.010	-0.010	0.002	0.036
					21-May-06	0.610	0.034	0.033	0.103	-0.034	-0.010	0.024	0.004	0.041
					23-Aug-06	0.518	-0.009	0.025	0.058	-0.034	0.038	-0.021	0.006	0.046
					2-Nov-06	0.784	-0.009	0.035	0.127	-0.034	0.038	-0.021	0.018	0.139
					20-Mar-07	0.091	-0.003	0.029	0.079	-0.034	-0.010	0.057	-0.002	0.038
					9-May-07	0.011	-0.003	0.033	0.100	-0.034	-0.010	-0.021	-0.002	0.036
					19-Aug-07		-0.050	0.050		-0.034	0.044	-0.021	0.019	0.134
					12-Nov-07	0.084	0.007	0.033	0.089	-0.034	-0.010	0.054	-0.002	0.060
					20-Mar-08	0.300	-0.015	0.034	0.142	-0.034	0.022	-0.021	0.005	0.032
					22-May-08	0.013	**3.060**	0.034	0.047	-0.034	-0.010	-0.021	-0.002	0.032
					25-Aug-08	0.016	-0.015	0.031	0.063	-0.034	-0.010	-0.021	-0.002	-0.014
					21-Oct-08	0.009	-0.015	0.029	0.046	-0.034	-0.010	-0.021	-0.002	0.071
MW1D	SFK	Bedrock	1,378,229	2,124,916	23-Sep-04	0.047		0.048	0.041	-0.034	-0.010	-0.052	0.005	0.014
					22-Oct-04	0.028		0.047	0.019	-0.034	-0.010		-0.001	-0.021
					21-Mar-05	0.009		0.047	0.043	0.035	0.010		0.004	-0.007
					13-May-05	0.006		0.038	0.055	0.029	-0.004	-0.009	0.003	-0.014
					17-Aug-05	0.050		0.055	0.073	-0.017	-0.010	0.028	0.006	-0.021
					11-Nov-05	0.005		0.047	0.029	0.035	-0.010	0.038	0.003	-0.021
					21-Mar-06		-0.009	0.035	0.030	-0.034	-0.010	-0.010	-0.001	0.074
					22-May-06	0.004	0.025	0.043	0.020	-0.034	-0.010	0.023	0.004	-0.007
					22-Aug-06	0.006	-0.009	0.045	0.034	-0.034		-0.021	-0.003	
					31-Oct-06	0.003	-0.009	0.043	0.020	-0.034	-0.010	-0.021	0.007	-0.014
					19-Mar-07	0.011	-0.003	0.046	0.038	-0.034	-0.010	-0.021	0.007	0.041
					10-May-07	0.003	-0.003	0.045	0.025	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Aug-07	0.004	0.010	0.046	0.017	-0.034	-0.010	-0.021	-0.002	0.059
					13-Nov-07	0.002	-0.003	0.048	0.017	-0.034	-0.010	-0.021	-0.002	0.031
					21-Mar-08	0.014	0.063	0.045	0.034	-0.034	-0.010	-0.021	-0.002	-0.004
					17-May-08	0.003	-0.015	0.045	0.019	-0.034	-0.010	-0.021	-0.002	-0.014
					24-Aug-08	0.003	-0.015	0.047	0.035	-0.034	-0.010	-0.021	-0.002	-0.014
					16-Oct-08	0.002	-0.015	0.046	0.021	-0.034	-0.010	-0.021	-0.002	-0.014

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW1M	SFK	Overburden	1,378,241	2,124,910	24-Sep-04	0.044	-0.620	0.034	0.053	-0.034	-0.010	-0.052	0.003	0.112
					29-Oct-04				0.051	-0.034	0.056	-0.052		
					21-Mar-05	0.037		0.036	0.046	0.028	-0.004	0.075	0.002	**1.036**
					13-May-05	0.024	-0.630	0.031	0.035	0.028	0.023	-0.009	0.002	0.978
					17-Aug-05	0.023	-0.620	0.012	0.052	-0.017	-0.010	-0.013	-0.001	0.844
					11-Nov-05	0.016	-0.620	0.035	0.048	0.034	0.053	0.040	0.002	0.567
					22-Mar-06	0.026	-0.009	0.048	0.123	-0.034	-0.010	0.037	-0.001	0.503
					22-May-06	0.014	-0.009	0.031	0.074	-0.034	-0.010	-0.010	-0.001	0.522
					22-Aug-06	0.016	-0.009	0.037	0.084	-0.034	-0.010	-0.021	-0.003	0.483
					31-Oct-06	0.019	-0.050	0.032	0.113	-0.034	-0.010	-0.021	0.006	0.436
					19-Mar-07	0.022	-0.003	0.039	0.194	-0.034	-0.010	-0.021	0.003	0.500
					10-May-07	0.013	-0.003	0.038	0.122	-0.034	-0.010	-0.021	-0.002	0.347
					22-Aug-07	0.027	-0.003	0.037	0.171	-0.034	-0.010	-0.021	-0.002	0.531
					12-Nov-07	0.014	0.008	0.031	0.061	-0.034	-0.010	-0.021	-0.002	0.481
					21-Mar-08	0.022	-0.015	0.031	0.042	-0.034	-0.010	-0.021	-0.002	0.497
					17-May-08	0.006	-0.015	0.031	0.032	-0.034	-0.010	-0.021	-0.002	0.259
					24-Aug-08	0.006	-0.015	0.031	0.032	-0.034	-0.010	-0.021	-0.002	0.256
					15-Oct-08	0.007	-0.015	0.030	0.061	-0.034	-0.010	-0.021	-0.002	0.264
MW1S	SFK	Overburden	1,378,210	2,124,924	25-Sep-04	0.300		-0.016	0.032	-0.034	-0.010		0.005	0.029
					29-Oct-04	**1.054**		-0.016	0.036	-0.034	0.019	-0.052	0.013	0.133
					20-Mar-05									
					13-May-05			0.027	0.121	0.025	0.064			0.244
					17-Aug-05	0.162		0.000	0.061	-0.017	-0.010	-0.013	-0.001	-0.021
					11-Nov-05	0.592		0.011	0.055	-0.017	-0.010	0.033	0.008	0.083
					21-Mar-06	0.114	-0.009	0.012	0.064	-0.034	-0.010	-0.010	-0.001	0.104
					22-May-06	0.192	0.021	0.012	0.038	-0.034	-0.010	0.036	-0.001	0.083
					22-Aug-06	0.270	-0.009	0.008	0.091	-0.034	-0.010	-0.021	-0.003	0.057
					31-Oct-06	0.145	-0.009	0.004	0.066	-0.034	-0.010	-0.021	-0.003	-0.014
					19-Mar-07	0.380	-0.003	0.024	0.059	-0.034	-0.010	-0.021	0.006	0.088
					10-May-07	0.088	-0.003	0.006	0.051	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Aug-07	0.076	0.019	0.010	0.049	-0.034	-0.010	-0.021	-0.002	0.086
					13-Nov-07	0.113	-0.003	0.006	0.039	-0.034	-0.010	-0.021	-0.002	0.037
					21-Mar-08	0.472	-0.015	0.019	0.063	-0.034	0.019	-0.021	0.005	0.113
					17-May-08	0.064	-0.015	0.004	0.018	-0.034	-0.010	-0.021	-0.002	-0.014
					24-Aug-08	**1.464**	-0.015	0.014	0.398	-0.034	-0.010	-0.021	0.013	0.146
					16-Oct-08	0.085	-0.015	0.004	0.018	-0.034	-0.010	-0.021	-0.002	0.032

Total (Unfiltered)														
					Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
Well	Location	Geology	Easting	Northing	Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW2D	UT	Overburden	1,399,458	2,121,675	7-Sep-04	-0.010		-0.016	0.163	-0.034	-0.010	-0.052	0.019	-0.007
					20-Oct-04			0.044						
					30-Oct-04	0.080	-0.620	-0.016	0.033	-0.034	-0.031	-0.052	0.020	-0.021
					22-Mar-05	0.013	-0.630	0.029	0.089	0.011	-0.004	0.045	0.023	0.022
					16-May-05	0.008	-0.630	0.020	0.034	0.007	-0.004	-0.009	0.021	-0.007
					17-Aug-05	0.009	-0.620	-0.001	0.061	-0.017	-0.010	-0.013	0.019	-0.021
					12-Nov-05	0.008	-0.620	0.016	0.052	-0.017	-0.010	-0.013	0.020	-0.021
					23-Mar-06	0.005	-0.009	0.015	0.047	-0.034	-0.010	-0.010	0.019	0.040
					21-May-06	0.003	-0.009	0.009	0.045	-0.034	-0.010	0.031	0.016	0.017
					23-Aug-06	0.008	-0.009	0.023	0.071	-0.034	-0.010	-0.021	0.018	-0.014
					2-Nov-06	0.006	-0.009	0.021	0.059	-0.034	-0.010	-0.021	0.028	-0.014
					22-Mar-07	0.006	-0.003	0.022	0.062	-0.034	-0.010	-0.021	0.018	0.044
					11-May-07	0.006	-0.003	0.022	0.069	-0.034	-0.010	-0.021	0.021	-0.014
					22-Aug-07	0.012	-0.003	0.023	0.074	-0.034	-0.010	-0.021	0.018	0.176
					12-Nov-07	0.017	-0.003	0.026	0.121	-0.034	-0.010	-0.021	0.016	-0.014
					21-Mar-08	0.010	-0.015	0.022	0.079	-0.034	-0.010	-0.021	0.018	0.017
					19-May-08	0.005	-0.015	0.021	0.048	-0.034	-0.010	-0.021	0.020	0.032
					24-Aug-08	0.007	-0.015	0.021	0.053	-0.034	-0.010	-0.021	0.020	0.120
					23-Oct-08	0.009	0.036	0.020	0.082	-0.034	-0.010	-0.021	0.019	0.066
MW3D	SFK	Overburden	1,400,181	2,136,068	9-Jul-04									
					23-Mar-05									
					16-May-05			0.146		0.172				
					22-Aug-05	0.030		0.194	0.038	0.241	-0.010	0.032	0.002	-0.021
					10-Nov-05									
					24-Mar-06	0.053	-0.009	0.179	0.027	0.098	-0.010	-0.010	-0.001	0.038
					23-May-06	0.172	-0.009	0.156	0.029	0.123	-0.010	-0.010	0.004	0.026
					24-Aug-06									
					2-Nov-06	0.107	-0.009	0.171	0.028	0.083	-0.010	-0.021	0.009	0.051
					1-Mar-07									
					16-Aug-07	0.023	-0.003	0.171	0.068	0.142	0.023	-0.021	0.003	0.091
					11-Nov-07	0.040	0.018	0.168	0.028	0.146	-0.010	-0.021	-0.002	0.078
					22-Mar-08									
					22-May-08	0.714	-0.015	0.155	0.058	0.193	-0.010	-0.021	0.013	0.100
					27-Aug-08	0.778	0.046	0.165	0.073	0.159	-0.010	-0.021	0.025	0.108
					21-Oct-08	0.524	0.039	0.163	0.072	0.163	-0.010	-0.021	0.016	0.091

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW5D	SFK	Bedrock	1,403,277	2,149,291	24-Sep-04	8.380	-0.620		0.121		-0.010	-0.052		0.099
					19-Oct-04	9.820			0.061		-0.010	-0.052		0.096
					18-Mar-05	11.160		0.384	0.037	0.035	-0.004	-0.009	0.007	0.075
					11-May-05	10.040	-0.630	0.437	0.034	0.033	-0.004	-0.009	0.009	0.050
					18-Aug-05	13.340	-0.620	0.305	0.108	-0.017	-0.010	-0.013	0.007	0.089
					9-Nov-05	13.360	-0.620	0.318	0.081	-0.017	-0.010	-0.013	0.005	0.082
					23-Mar-06	18.720	-0.009	0.264	0.096	-0.034	-0.010	0.030	0.005	0.153
					18-May-06	17.960	-0.009	0.291	0.071	-0.034	-0.010	0.024	0.005	0.068
					17-Aug-06	18.120	-0.009	0.275	0.076	-0.034		-0.021	-0.003	0.123
					29-Oct-06	17.500	-0.009	0.283	0.101	-0.034	-0.010	-0.021	-0.003	0.042
					15-Mar-07	19.820	-0.003	0.286	0.073	-0.067	-0.019	-0.042	-0.003	-0.028
					13-May-07									
					19-Aug-07									
					22-Mar-08									
					24-May-08	20.000	-0.015	0.230	0.047	-0.034	-0.010	-0.021	-0.002	0.097
					25-Aug-08	19.260	-0.015	0.248	0.043	-0.034	-0.010	-0.021	-0.002	0.088
					22-Oct-08	22.200	-0.015	0.282	0.080	-0.034	-0.010	-0.021	-0.002	0.066
MW5M	SFK	Overburden	1,403,295	2,149,289	7-Sep-04	4.420		0.465	0.046	-0.034	-0.010	-0.052		-0.021
					24-Sep-04									
					19-Oct-04	4.840		0.475	0.047	-0.034	-0.010	-0.052	0.012	-0.021
					23-Mar-05	4.880		0.518		-0.003	0.018	-0.009		0.125
					11-May-05	5.560		0.456	0.011	-0.003	-0.004	-0.009	0.006	0.051
					18-Aug-05	5.560		0.488	0.099	-0.017	-0.010	-0.013	0.002	0.064
					9-Nov-05	5.380		0.474	0.077	-0.017	-0.010	-0.013	0.009	0.051
					23-Mar-06	6.120	-0.009	0.465	0.055	-0.034	-0.010	-0.010	0.003	0.080
					18-May-06	5.800	-0.009	0.501	0.062	-0.034	-0.010	0.023	0.007	0.044
					17-Aug-06	5.640	-0.009	0.436	0.055	-0.034	-0.010	-0.021	0.005	0.083
					28-Oct-06	5.480	-0.009	0.491	0.068	-0.034	-0.010	-0.021	0.011	0.048
					15-Mar-07	5.460	-0.003	0.434	0.058	-0.067	-0.019	-0.042	-0.003	-0.009
					13-May-07	6.120	-0.003	0.508	0.079	-0.034	-0.010	-0.021	-0.002	0.080
					19-Aug-07	5.780	-0.050	0.472	0.065	-0.034	-0.010	-0.021	-0.002	0.041
					10-Nov-07	5.400	-0.003	0.452	0.028	-0.034	-0.010	-0.021	-0.002	0.043
					21-Mar-08	5.740	-0.015	0.468	0.057	-0.034	-0.010	-0.021	0.004	0.017
					23-May-08	5.460	-0.015	0.481	0.055	-0.034	-0.010	-0.021	0.004	0.031
					25-Aug-08	5.760	0.032	0.487	0.054	-0.034	-0.010	-0.021	0.003	-0.014
					23-Oct-08	5.600	-0.015	0.481	0.123	-0.034	-0.010	-0.021	0.004	-0.014

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW5S	SFK	Overburden	1,403,290	2,149,307	7-Sep-04	**19.800**		0.071	0.263	-0.034	-0.010	-0.052	-0.001	-0.021
					19-Oct-04	**7.360**		0.089		-0.034	0.023	-0.052		0.061
					18-Mar-05	**15.740**		0.197	0.453	-0.003	-0.004	-0.009	0.005	0.045
					11-May-05	**10.420**		0.157	0.468	-0.003	-0.004	-0.009	0.005	0.028
					18-Aug-05	**12.640**		0.246	0.447	-0.017	-0.010	-0.013	0.004	0.105
					9-Nov-05	**2.600**		0.062	0.348	-0.017	-0.010	-0.013	0.010	0.046
					23-Mar-06	**10.340**	-0.050	0.215	0.411	-0.034	-0.010	0.025	0.005	0.064
					18-May-06	**14.520**	0.084	0.223	0.430	-0.034	-0.010	0.026	0.007	0.039
					17-Aug-06	**1.628**	0.021	0.046	0.263	-0.034	-0.010	-0.021	-0.003	0.049
					29-Oct-06	0.179	-0.050	0.024	0.309	-0.034	-0.010	-0.021	0.007	-0.014
					15-Mar-07	**6.880**	0.055	0.112	0.226	-0.034	-0.010	-0.021	0.003	0.041
					13-May-07	**11.860**	0.029	0.147	0.228	-0.034	-0.010	-0.021	-0.002	-0.014
					19-Aug-07	**19.080**	0.102	0.151	0.271	-0.034	-0.010	-0.021	-0.002	0.041
					11-Nov-07	0.428	0.014	0.019	0.223	-0.034	-0.010	0.065	0.005	0.066
					21-Mar-08	**5.940**	0.105	0.146	0.247	-0.034	-0.010	-0.021	-0.002	0.027
					24-May-08	**1.844**	0.078	0.044	0.219	-0.034	-0.010	-0.021	-0.002	-0.014
					25-Aug-08	**8.700**	0.099	0.130	0.243	-0.034	-0.010	-0.021	0.003	0.041
					22-Oct-08	0.382	0.031	0.025	0.249	-0.034	-0.010	-0.021	-0.002	-0.014
MW6D	NFK	Overburden	1,382,247	2,168,259	7-Sep-04			-0.016	0.020	-0.034	-0.010	-0.052	-0.001	-0.007
					21-Oct-04	-0.005	-2.000	-0.016	0.029	-0.034	-0.010	-0.052	0.005	-0.021
					20-Mar-05				0.038	0.042	0.010		0.004	0.017
					12-May-05	0.003	-0.630	0.023	0.012	0.022	-0.004	-0.009	0.004	-0.007
					20-Aug-05	0.005	-0.620	0.020	0.046	0.037	-0.010	-0.013	0.007	0.043
					5-Nov-05	-0.002	-0.620	0.017	0.020	-0.017	-0.010	-0.013	0.006	-0.021
					10-Mar-06	0.002	-0.009	0.012	0.018	-0.034	-0.010	-0.010	-0.001	0.071
					23-May-06	0.002	-0.009	0.017	0.011	-0.034	-0.010	-0.010	0.003	0.016
					20-Aug-06	0.003	-0.009	0.014	0.024	-0.034	-0.010	-0.021	-0.003	-0.014
					29-Oct-06	0.001	-0.009	0.016	-0.006	-0.034	-0.010	-0.021	-0.003	-0.014
					17-Mar-07	0.002	-0.003	0.014	0.017	-0.034	-0.010	-0.021	0.004	0.076
					14-May-07	0.004	-0.003	0.019	0.014	-0.034	-0.010	-0.021	-0.002	0.212
					21-Aug-07	0.002	-0.003	0.018	0.015	-0.034	-0.010	-0.021	-0.002	0.051
					14-Nov-07	0.002	-0.003	0.017	0.013	-0.034	-0.010	-0.021	-0.002	0.033
					23-Mar-08	0.002	-0.015	0.016	0.027	-0.034	-0.010	-0.021	-0.002	0.018
					19-May-08	0.001	-0.015	0.017	-0.006	-0.034	-0.010	-0.021	-0.002	0.038
					25-Aug-08	0.002	-0.015	0.017	0.010	-0.034	-0.010	-0.021	-0.002	-0.014
					18-Oct-08	0.001	-0.015	0.009	0.014	-0.034	-0.010	-0.021	-0.002	-0.014

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW7D	NFK	Bedrock	1,373,320	2,150,208	6-Sep-04		-0.620	-0.016	-0.006	-0.034	-0.010	-0.052	0.011	-0.021
					20-Oct-04	-0.010		-0.016	-0.006	-0.034	-0.010	-0.052	0.009	-0.021
					17-Mar-05	0.020	-0.630	0.009	0.009	0.007	-0.004	-0.009	0.010	0.013
					15-May-05	0.021	-0.630	0.014	0.013	0.008	-0.004	-0.009	0.010	-0.007
					21-Aug-05	0.010	-0.620	0.014	0.015	-0.017	-0.010	0.037	0.009	-0.021
					12-Nov-05	0.005	-0.620	0.007	0.011	-0.017	-0.010	-0.013	0.012	-0.021
					12-Mar-06	0.008	-0.009		0.008	-0.034	-0.010	0.038	0.008	0.120
					23-May-06	0.010	-0.009	0.011	0.007	-0.034	-0.010	-0.010	0.008	-0.007
					21-Aug-06	0.008	-0.009	0.009	-0.006	-0.034	-0.010	-0.021	0.009	0.055
					30-Oct-06	0.004	-0.009	0.012	0.017	-0.034	-0.010	-0.021	0.015	-0.014
					18-Mar-07	0.008	-0.003	0.014	-0.006	-0.034	-0.010	-0.021	0.012	0.045
					11-May-07	0.005	-0.003	0.014	0.014	-0.034	-0.010	-0.021	0.010	-0.014
					23-Aug-07	0.004	-0.003	0.014	-0.006	-0.034	-0.010	-0.021	0.006	0.054
					14-Nov-07	0.002	-0.003	0.015	0.010	-0.034	-0.010	-0.021	0.011	-0.014
					23-Mar-08	0.003	-0.015	0.014	0.009	-0.034	-0.010	-0.021	0.007	0.064
					19-May-08	0.005	-0.015	-0.001	-0.006	-0.034	-0.010	-0.021	0.010	-0.004
					25-Aug-08	0.002	-0.015	0.014	0.007	-0.034	-0.010	-0.021	0.009	0.065
					16-Oct-08	0.002	-0.015	0.012	0.011	-0.034	-0.010	-0.021	0.010	0.034
MW7S	NFK	Overburden	1,373,301	2,150,213	24-Sep-04		-0.620	-0.016	0.099	-0.034	-0.010		0.014	0.015
					20-Oct-04	0.024		-0.016	0.036	-0.034	-0.010		0.010	-0.007
					17-Mar-05		-0.630	0.020	0.171	0.008	0.027	-0.009	0.019	0.046
					15-May-05	0.030	-0.630	0.019	0.121	0.007	-0.004	-0.009	0.008	-0.014
					21-Aug-05	0.021	-0.620	0.022	0.121	0.047	-0.010	-0.013	0.010	-0.021
					12-Nov-05	0.010	-0.620	0.008	0.065	-0.017	-0.010	-0.013	0.006	-0.021
					12-Mar-06	0.012	-0.009	0.017	0.096	-0.034	-0.010	0.021	0.010	0.070
					21-Aug-06	0.010	-0.009	0.021	0.098	-0.034	-0.010	-0.021	0.012	0.032
					30-Oct-06	0.007	-0.009	0.009	0.080	-0.034	-0.010	-0.021	0.014	-0.004
					1-Mar-07									
					11-May-07									
					23-Aug-07	0.012	-0.003	0.031	0.135	-0.034	-0.010	-0.021	0.008	0.039
					12-Nov-07									
					14-Nov-07	0.006	-0.003	0.018	0.076	-0.034	-0.010	-0.021	0.010	-0.014
					23-Mar-08									
					19-May-08									
					25-Aug-08	0.007	-0.015	0.023	0.084	-0.034	-0.010	-0.021	0.010	-0.014
					16-Oct-08	0.004	-0.015	0.009	0.045	-0.034	-0.010	-0.021	0.006	-0.014

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW8D	NFK	Overburden	1,400,010	2,172,705	6-Sep-04			0.050	0.035	-0.034	-0.010		0.014	0.056
					19-Oct-04	-0.010		0.066	0.026	-0.034	-0.010		0.011	-0.021
					15-Mar-05									
					12-May-05	0.010		0.048	0.026	0.010	-0.004	-0.009	0.012	-0.007
					20-Aug-05	0.008		0.027	0.068	0.049		-0.013	0.013	-0.021
					6-Nov-05	0.013		0.034	0.055	-0.017	-0.010	-0.013	0.011	-0.021
					10-Mar-06	0.003	-0.009	0.035	0.037	-0.034	-0.010	-0.010	0.006	0.066
					20-May-06	0.009	-0.009	0.024	0.039	-0.034	-0.010	-0.010	0.014	0.024
					20-Aug-06	0.008	-0.009	0.037	0.040	-0.034	-0.010	-0.021	0.011	0.045
					25-Oct-06	0.006	-0.009	0.029	0.036	-0.034	-0.010	-0.021	0.010	-0.004
					17-Mar-07	0.003	-0.003	0.032	0.039	-0.034	-0.010	-0.021	0.013	0.047
					14-May-07	0.002	-0.003	0.032	0.035	-0.034	-0.010	-0.021	0.008	0.031
					21-Aug-07	0.003	-0.003	0.028	0.029	-0.034	-0.010	-0.021	0.011	0.079
					15-Nov-07	0.002	-0.003	0.048	0.043	-0.034	-0.010	-0.021	0.011	-0.014
					23-Mar-08	0.005	-0.015	0.033	0.038	-0.034	-0.010	-0.021	0.011	0.012
					20-May-08	0.002	-0.015	0.045	0.025	-0.034	-0.010	-0.021	0.011	-0.014
					26-Aug-08	0.004	-0.015	0.033	0.029	-0.034	-0.010	-0.021	0.011	-0.014
					18-Oct-08	0.002	-0.015	0.028	0.047	-0.034	-0.010	-0.021	0.011	-0.014
MW8M	NFK	Overburden	1,399,996	2,172,691	6-Sep-04				0.013	-0.034	-0.010		-0.001	-0.021
					19-Oct-04	-0.010			0.016	-0.034	-0.010		-0.001	-0.007
					15-Mar-05	0.007		0.008	0.012	0.007	-0.004	-0.009	0.002	0.014
					12-May-05	0.004		0.004	0.010	-0.003	-0.004	-0.009	0.001	-0.007
					20-Aug-05	0.006		0.010	0.032	-0.017	-0.010	-0.013	-0.001	-0.021
					6-Nov-05	-0.002		0.003	0.019	-0.017	-0.010	-0.013	-0.001	-0.021
					10-Mar-06	0.003	-0.009	0.006	0.016	-0.034	-0.010	-0.010	-0.001	0.074
					20-May-06	0.004	-0.009	0.005	0.024	-0.034		-0.010	0.005	0.053
					20-Aug-06	0.003	-0.009	0.005	0.017	-0.034	-0.010	-0.021	-0.003	-0.014
					25-Oct-06	0.002	-0.009	0.010	0.013	-0.034	-0.010	-0.021	-0.003	-0.004
					17-Mar-07	0.008	-0.003	0.008	0.021	-0.034	-0.010	-0.021	0.004	0.057
					14-May-07	0.003	-0.003	0.011	0.019	-0.034	-0.010	-0.021	-0.002	-0.014
					20-Aug-07	0.006	-0.003	0.009	0.026	-0.034	-0.010	-0.021	-0.002	0.186
					15-Nov-07	0.003	-0.050	0.012	0.019	-0.034	-0.010	-0.021	-0.002	0.060
					22-Mar-08	0.013	-0.015	0.009	0.028	-0.034	-0.010	-0.021	-0.002	0.021
					20-May-08	0.002	-0.015	0.009	0.016	-0.034	-0.010	-0.021	-0.002	-0.014
					26-Aug-08	0.002	-0.015	0.009	0.015	-0.034	-0.010	-0.021	-0.002	0.028
					18-Oct-08	0.002	-0.015	0.003	0.028	-0.034	-0.010	-0.021	-0.002	0.057

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
MW8S	NFK	Overburden	1,399,993	2,172,709	6-Sep-04	0.036	-0.620	-0.016	-0.006	-0.034	-0.010	-0.052	-0.001	0.056
					19-Oct-04				0.017	-0.034	-0.010		-0.001	-0.021
					15-Mar-05	0.038	-0.630	-0.002	0.019	-0.003	-0.004	-0.009	0.002	0.102
					12-May-05			0.007	0.017	-0.003	0.011	-0.009	0.001	0.062
					20-Aug-05	0.024		0.006	0.034	-0.017	-0.010	-0.013	0.002	0.130
					6-Nov-05	0.052		0.000	0.031	-0.017	-0.010	-0.013	-0.001	0.067
					10-Mar-06	0.015	-0.009	0.004	0.021	-0.034	-0.010	-0.010	-0.001	0.137
					20-May-06	0.011	-0.009	-0.001	0.021	-0.034	-0.010	-0.010	-0.003	0.075
					20-Aug-06	0.033	-0.009	-0.001	0.021	-0.034	-0.010	-0.021	-0.003	0.045
					25-Oct-06	0.040	-0.009	0.004	0.017	-0.034	-0.010	-0.021	-0.003	-0.014
					17-Mar-07	0.010	-0.003	0.005	0.016	-0.034	-0.010	-0.021	-0.002	0.159
					14-May-07	0.006	-0.003	0.004	0.013	-0.034	-0.010	-0.021	-0.002	0.059
					20-Aug-07	0.008	-0.003	0.005	0.018	-0.034	-0.010	-0.021	-0.002	0.286
					14-Nov-07									
					14-Nov-07	0.010	-0.003	0.006	0.015	-0.034	-0.010	-0.021	-0.002	0.088
					23-Mar-08	0.005	-0.015	0.005	0.017	-0.034	-0.010	-0.021	-0.002	0.098
					20-May-08	0.026	-0.015	0.004	0.015	-0.034	-0.010	-0.021	-0.002	0.055
					26-Aug-08	0.006	-0.015	0.005	0.010	-0.034	-0.010	-0.021	-0.002	0.073
					18-Oct-08	0.022	-0.015	-0.001	0.022	-0.034	-0.010	-0.021	-0.002	0.052
MW9D	NFK	Overburden	1,373,505	2,150,026	6-Sep-04	-0.005	-0.620	-0.016	-0.006	-0.034	-0.010		0.008	-0.007
					20-Oct-04	-0.005		-0.016	-0.006	-0.034	-0.010		0.009	-0.007
					17-Mar-05	0.006	-0.630	0.009	0.034	-0.003	-0.004	-0.009	0.009	0.016
					17-Mar-05									
					15-May-05	0.005	-0.630	0.015	0.009	0.008	-0.004	0.019	0.009	-0.014
					21-Aug-05	-0.002	-0.620	0.023	0.026	-0.017	-0.010	-0.013	0.010	-0.021
					6-Nov-05									
					12-Mar-06									
					21-Aug-06	0.035	-0.009	0.010	0.069	-0.034	-0.010	-0.021	0.010	0.110
					30-Oct-06									
					1-Mar-07									
					2-Mar-07									
					11-May-07									
					23-Aug-07	0.060	-0.003	0.015	0.100	-0.034	-0.010	-0.021	0.009	0.506
					23-Mar-08									
					17-May-08									

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
P0637D	UT	Bedrock	1,409,444	2,163,540	4-Nov-06	**1.454**	-0.009	0.238	0.029	-0.034	0.036	-0.021	-0.003	0.080
					23-Mar-07	**1.624**	-0.003	0.298	0.049	-0.034	-0.010	-0.021	-0.002	0.081
					15-May-07	**1.594**	-0.003	0.275	0.041	-0.034	-0.010	-0.021	-0.002	0.061
					20-Aug-07	**1.462**	-0.003	0.265	0.033	-0.034	-0.010	-0.021	-0.002	0.029
					17-Nov-07	**1.572**	-0.003	0.270	0.032	-0.034	-0.010	-0.021	-0.002	0.032
					25-Mar-08	**1.550**	-0.015	0.256	0.033	-0.034	-0.010	-0.021	-0.002	0.101
					24-May-08	**1.596**	-0.015	0.254	0.020	-0.034	-0.010	-0.021	-0.002	0.030
					27-Aug-08	**1.462**	-0.015	0.249	0.028	-0.034	-0.010	-0.021	-0.002	-0.014
					19-Oct-08	**1.566**		0.262	0.060	-0.034	-0.010	-0.021	-0.002	0.041
P0637M	UT	Bedrock	1,409,436	2,163,524	3-Nov-06		-0.009	0.135	0.103	-0.034	-0.010	-0.021	-0.003	0.091
					23-Mar-07		0.008	0.134	0.073	-0.034	-0.010	-0.021	-0.002	0.119
					15-May-07	0.080	-0.003	0.135	0.053	-0.034	-0.010	-0.021	-0.002	0.051
					20-Aug-07	0.065	-0.003	0.126	0.041	-0.034	-0.010	-0.021	-0.002	
					17-Nov-07	0.055		0.128	0.042	-0.034	-0.010	-0.021	-0.002	0.048
					25-Mar-08	0.042	-0.015	0.117	0.041	-0.034	-0.010	-0.021	-0.002	0.077
					24-May-08	0.041	-0.015	0.095	0.019	-0.034	-0.010	-0.021	-0.002	0.046
					27-Aug-08	0.046	-0.015	0.120	0.024	-0.034	-0.010	-0.021	-0.002	0.086
					19-Oct-08		-0.015	0.009		-0.034	-0.010	-0.021	-0.002	-0.014
P0637S	UT	Overburden	1,409,431	2,163,508	3-Nov-06	0.082	-0.009	0.014	0.064	-0.034	-0.010	-0.021	-0.003	0.045
					23-Mar-07	0.012	-0.003	0.013	0.073	-0.034	-0.010	-0.021	-0.002	0.078
					15-May-07	0.025	-0.003	0.013	0.064	-0.034	-0.010	-0.021	-0.002	0.039
					20-Aug-07	0.022	0.014	0.012	0.059	-0.034	-0.010	-0.021	-0.002	0.083
					17-Nov-07	0.142		0.014	0.089	-0.034	-0.010	-0.021	-0.002	-0.014
					23-Mar-08	0.020	-0.015	0.013	0.103	-0.034	-0.010	-0.021	-0.002	0.056
					25-May-08	0.033	-0.015	-0.001	0.118	-0.034	-0.010	-0.021	-0.002	0.041
					28-Aug-08	0.026	-0.015	0.017	0.124	-0.034	-0.010	-0.021	-0.002	-0.014
					19-Oct-08	0.051	0.031		0.043	-0.034	-0.010	-0.021	-0.002	0.058
P0638D	UT	Bedrock	1,406,578	2,166,681	4-Nov-06									
					23-Mar-07									
					15-May-07									
					23-Aug-07	**1.812**	0.014	0.113	0.026	-0.034	-0.010	-0.021	-0.002	0.066
					22-Mar-08									
					17-May-08									
P0638M	UT	Bedrock	1,406,562	2,166,691	27-Mar-08	**63.800**	**1.168**	0.021	**3.131**	-0.135	**1.219**	**1.246**	**1.360**	**6.556**
					22-May-08	**71.000**	-0.015	0.013	**3.538**	0.110	**1.506**	**1.692**	**1.430**	**6.222**
					27-Aug-08	**37.000**	**1.832**	0.025	**1.725**	0.137	0.641	0.821	0.839	**3.583**
					21-Oct-08	**24.400**	**1.006**	0.028	**1.219**	-0.034	0.522	0.600	0.594	**2.442**

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
P4S	SFK	Overburden	1,405,224	2,155,643	8-Nov-05	0.081		0.037	0.253	-0.017	-0.010	-0.013	0.016	0.080
					9-Mar-06	0.026	-0.050	0.045	0.335	-0.034	-0.010	0.023	0.012	0.090
					20-May-06	0.039	-0.009	0.016	0.331	-0.034	-0.010	-0.010	0.014	0.074
					19-Aug-06	0.025	-0.009	0.025	0.213	-0.034	-0.010	0.053	0.018	0.064
					26-Oct-06	0.073	-0.009	0.019	0.284	-0.034	-0.010	-0.021	0.005	0.055
					16-Mar-07	0.022	-0.003	0.014	0.208	-0.034	-0.010	-0.021	0.013	0.084
					13-May-07	0.045	-0.003	0.015	0.327	-0.034	-0.010	-0.021	0.007	0.074
					18-Aug-07	0.022	-0.050	0.017	0.193	-0.034	-0.010	-0.021	0.011	0.046
					9-Nov-07	0.026	-0.003	0.017	0.223	-0.034	-0.010	-0.021	0.011	0.069
					26-Mar-08	0.077	-0.015	0.015	0.264	-0.034	-0.010	-0.021	0.009	0.056
					20-May-08	0.035	-0.015	0.009	0.368	-0.034	-0.010	-0.021	0.006	0.101
					26-Aug-08	0.018	-0.015	0.014	0.204	-0.034	-0.010	-0.021	0.006	0.043
					21-Oct-08	0.031	-0.015	0.020	0.284	-0.034	-0.010	-0.021	0.007	0.071
PQ4	SFK	Bedrock	1,401,059	2,157,434	9-Nov-05	**1.324**		0.998		0.183	0.210	-0.013		**1.133**
					9-Mar-06	**1.034**	-0.050	**1.080**	0.145	0.315	0.031	0.345	-0.003	**1.061**
					19-May-06	0.962	-0.009	0.936	0.137	0.263	-0.010	0.252	0.006	**1.019**
					18-Aug-06	0.994	-0.009	0.887	0.129	0.182	-0.010	0.152	0.006	0.964
					28-Oct-06	**1.032**	-0.009	0.878	0.137	0.211	0.076	0.241	0.009	0.992
					16-Mar-07	**1.030**	-0.003	0.987	0.156	0.298		0.278	-0.003	**1.089**
					12-May-07	0.019	-0.003	0.033	0.121	-0.034	-0.010	-0.021	-0.002	-0.014
					18-Aug-07	0.902	-0.050	0.957	0.138	0.226	-0.010	0.198	0.006	0.981
					17-Nov-07	**1.076**	-0.003	**1.040**	0.151	0.276	-0.010	0.257	0.005	**1.111**
					25-Mar-08	0.956	-0.015	0.911	0.144	0.254	-0.010	0.215	0.004	**1.058**
					24-May-08	0.966	-0.015	0.935	0.131	0.233	-0.010	0.217	0.004	**1.097**
					28-Aug-08	0.972	-0.015	0.950	0.126	0.267	-0.010	0.209	0.004	**1.108**
					21-Oct-08	0.958	-0.015	0.936	0.124	0.250	-0.010	0.190	0.004	0.992
PW0810			-	-	16-Jul-08	0.021	-0.010	0.036	-0.006	-0.054	-0.014	-0.010	0.004	0.069

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
PW089PT			-	-	22-May-08	0.017	-0.015	0.027	0.016	-0.034	-0.010	-0.021	0.037	0.012
					23-Mar-05	**1.720**		0.162	0.114	-0.003	0.020	-0.009	0.011	0.183
					15-May-05	**1.644**		0.167	0.172	-0.003	-0.004	-0.009	0.003	0.100
					19-Aug-05			0.185	0.375	-0.017	-0.010	-0.013	0.015	0.150
					7-Nov-05	**1.430**		0.152	0.379	-0.017	-0.010	-0.013	0.005	0.084
					9-Mar-06	**1.638**	-0.050	0.181	0.425	-0.034	-0.010	0.073	0.014	0.134
					20-May-06	**1.474**	-0.009	0.155	0.254	-0.034	-0.010	-0.010	-0.003	0.072
					19-Aug-06	**1.862**	-0.009	0.161	0.172	-0.034	-0.010	-0.021	-0.003	0.132
					26-Oct-06	**1.862**	-0.009	0.178	0.238	-0.034		-0.021	0.010	0.055
					16-Mar-07	**1.728**	-0.003	0.167	0.313	-0.067	-0.019	-0.042	-0.003	0.130
					15-May-07	**1.664**	0.009	0.183	0.236	-0.034	-0.010	-0.021	-0.002	-0.014
					19-Aug-07	**1.742**	-0.050	0.178	0.116	-0.034	-0.010	-0.021	-0.002	0.079
					9-Nov-07	**1.616**	-0.003	0.197	0.106	-0.034	-0.010	-0.021	-0.002	0.030
					27-Mar-08	**1.602**	-0.015	0.163	0.161	-0.034	-0.010	-0.021	-0.002	0.097
					20-May-08	**1.708**	0.068	0.192	0.332	-0.034	-0.010	-0.021	0.009	0.062
					27-Aug-08	**1.566**	-0.015	0.170	0.076	-0.034	-0.010	-0.021	-0.002	-0.014
					20-Oct-08	**1.814**	0.044	0.183	0.118	-0.034	-0.010	-0.021	-0.002	0.061
SRK3	UT	Bedrock	1,406,856	2,158,120	8-Nov-05	**2.260**		0.067	0.106	-0.017	-0.010	-0.013	-0.001	0.172
					9-Mar-06	**2.500**	-0.050		0.076	-0.034	0.054	0.092	-0.001	0.319
					20-May-06	**2.500**	-0.009	0.065	0.089	-0.034	-0.010	-0.010	-0.001	0.300
					19-Aug-06	**2.720**	-0.009	0.071	0.073	-0.034	-0.010	-0.021	-0.003	0.467
					26-Oct-06	**2.760**	-0.009	0.075	0.070	-0.034	-0.010	-0.021	-0.003	-0.014
					16-Mar-07	**2.700**	-0.003	0.070	0.118	-0.067	-0.019	-0.042	-0.003	0.275
					13-May-07	**2.840**	-0.003	0.069	0.084	-0.034	-0.010	-0.021	-0.002	-0.014
					19-Aug-07	**2.860**	-0.050	0.073	0.094	-0.034	-0.010	-0.021	-0.002	0.040
					9-Nov-07	**3.260**	-0.003	0.074	0.093	-0.034	-0.010	-0.021	-0.002	0.068
					27-Mar-08	**2.840**	-0.015	0.066	0.062	-0.034	-0.010	-0.021	-0.002	0.344
					20-May-08	**2.760**	-0.015	0.077	0.082	-0.034	-0.010	-0.021	-0.002	0.070
					26-Aug-08	**2.640**	-0.015	0.063	0.074	-0.034	-0.010	-0.021	-0.002	0.048
					20-Oct-08	**3.080**	-0.015	0.065	0.108	-0.034	-0.010	-0.021	-0.002	0.032

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
SRK5D	SFK	Bedrock	1,401,946	2,154,185	24-Sep-04	0.172	-0.620	0.265	0.062	0.137	-0.010	-0.052	0.003	0.069
					14-May-05	0.039	-0.630	0.254	0.048	0.126	0.026	-0.009	0.001	0.094
					18-Aug-05	0.038	-0.620	0.254	0.081	0.169	0.020	0.060	-0.001	0.106
					18-Aug-06	0.009	-0.009	0.244	0.052	0.070	0.049	-0.021	-0.003	0.097
					27-Oct-06									
					1-Mar-07									
					12-May-07									
					18-Aug-07									
					22-Mar-08									
					20-May-08									
SRK5M	SFK	Overburden	1,401,955	2,154,197	25-Sep-04	0.024	-0.620	0.125	0.030	-0.034	-0.010	-0.052	0.004	0.020
					20-Oct-04	0.027		0.302	0.018	0.102	-0.010	-0.052	-0.001	-0.007
					18-Mar-05	0.012	-0.630	0.152	0.013	0.058	0.021	0.060	0.001	0.015
					14-May-05	0.008	-0.630	0.148	0.007	0.057	-0.004	-0.009	0.001	-0.007
					18-Aug-05	0.015	-0.620	0.121	0.031	-0.017	-0.010	-0.013	-0.001	-0.021
					8-Nov-05	0.009	-0.620	0.118	0.024	0.046	-0.010	-0.013	-0.002	-0.021
					10-Mar-06	0.013	0.117	0.107	0.021	-0.034	-0.010	-0.010	-0.001	0.060
					18-May-06	0.007	-0.009	0.104	0.021	-0.034	-0.010	-0.010	-0.001	0.028
					17-Aug-06	0.014	-0.009	0.111	0.021	0.093	-0.010	-0.021	-0.003	0.039
					27-Oct-06	0.011	-0.009	0.126	0.017	-0.034	-0.010	0.076	-0.003	-0.014
					13-Mar-07	0.012	0.008	0.109	0.013	-0.034	-0.010	-0.021	0.006	0.039
					12-May-07	0.960	-0.003	0.941	0.141	0.246	-0.010	0.213	-0.002	**1.003**
					18-Aug-07	0.008	-0.050	0.123	0.020	-0.034	-0.010	-0.021	-0.002	0.054
					10-Nov-07	0.011	0.008	0.118	0.012	-0.034	-0.010	-0.021	-0.002	0.030
					22-Mar-08	0.012	-0.015	0.117	0.019	-0.034	-0.010	-0.021	-0.002	0.041
					21-May-08	0.013	-0.015	0.122	0.013	-0.034	-0.010	-0.021	-0.002	-0.004
					26-Aug-08	0.015	-0.015	0.104	0.015	-0.034	-0.010	-0.021	-0.002	0.061
					22-Oct-08	0.012	-0.015	0.130	0.028	0.073	-0.010	-0.021	-0.002	-0.014

Total (Unfiltered)														
Well	Location	Geology	Easting	Northing	Parameter	Mn	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
					Most Stringent ADEC Criterion (µg/L)	50	0.05	10	16	4.6	0.32	0.24	100	36
					Date	Ratio to Criterion								
SRK5S	SFK	Overburden	1,401,976	2,154,174	25-Sep-04		-0.620	0.044	0.082	-0.034	-0.010	-0.052	0.005	0.039
					20-Oct-04	0.067	-2.000	0.035	0.022	-0.034		-0.052	-0.001	-0.021
					18-Mar-05	0.032	-0.630	0.036	0.119	0.031	-0.004	0.021	0.000	-0.007
					14-May-05	0.030	-0.630	0.027	0.131	0.021	-0.004	-0.009	0.000	-0.007
					18-Aug-05	0.099	-0.620	0.042	0.113	-0.017	-0.010	-0.013	0.003	-0.021
					8-Nov-05	0.063	-0.620	0.022	0.073	0.042	-0.010	-0.013	-0.001	-0.021
					10-Mar-06	0.101	-0.050	0.036	0.148	-0.034	-0.010	-0.010	-0.001	0.077
					18-May-06	0.031	-0.009	0.023	0.106	-0.034	-0.010	-0.010	-0.003	0.017
					17-Aug-06	0.046	-0.009	0.031	0.191	-0.034	-0.010	-0.021	-0.003	0.045
					27-Oct-06	0.073	-0.009	0.045	0.208	-0.034	-0.010	0.049	-0.003	-0.014
					13-Mar-07	0.167	-0.003	0.060	0.234	-0.034	0.033	-0.021	0.011	0.069
					12-May-07	0.050	-0.003	0.108	0.025	-0.034	-0.010	-0.021	-0.002	0.057
					18-Aug-07	0.102	-0.050	0.054	0.146	-0.034	0.026	-0.021	0.007	-0.014
					10-Nov-07	0.100	0.008	0.042	0.133	-0.034	-0.010	-0.021	-0.002	0.095
					22-Mar-08	0.078	-0.015	0.037	0.094	-0.034	0.024	-0.021	-0.002	0.015
					21-May-08	0.014	-0.015	0.032	0.073	-0.034	-0.010	-0.021	-0.002	0.050
					26-Aug-08	0.017	-0.015	0.033	0.099	-0.034	-0.010	-0.021	-0.002	-0.014
					22-Oct-08	0.017	-0.015	0.038	0.070	-0.034	-0.010	-0.021	-0.002	-0.014

APPENDIX 9.2E

Piper Plots for Groundwater Samples from Individual Wells, Mine Study Area 2004-2008

APPENDIX 9.2E
PIPER PLOTS OF GROUNDWATER SAMPLES FROM INDIVIDUAL WELLS, MINE STUDY AREA (2004-2008)

Appendix 9.2E - Piper Plots of Groundwater Samples from Individual Wells, Mine Study Area (2004-2008)

Table of Contents

Piper Plots for the Following Groundwater Monitoring Well Locations:

KP-P4 1
MW-10 2
MW-11D 3
MW-11M 4
MW-11S 5
MW-11SS 6
MW-12D 7
MW-12S 8
MW-13D 9
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MW-14S 12
MW-1D 13
MW-1M 14
MW-1S 15
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MW-7D 22
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P-06-38M 32
P-4S 33
PQ-4 34
SRK-2 35
SRK-3 36
SRK-5D 37
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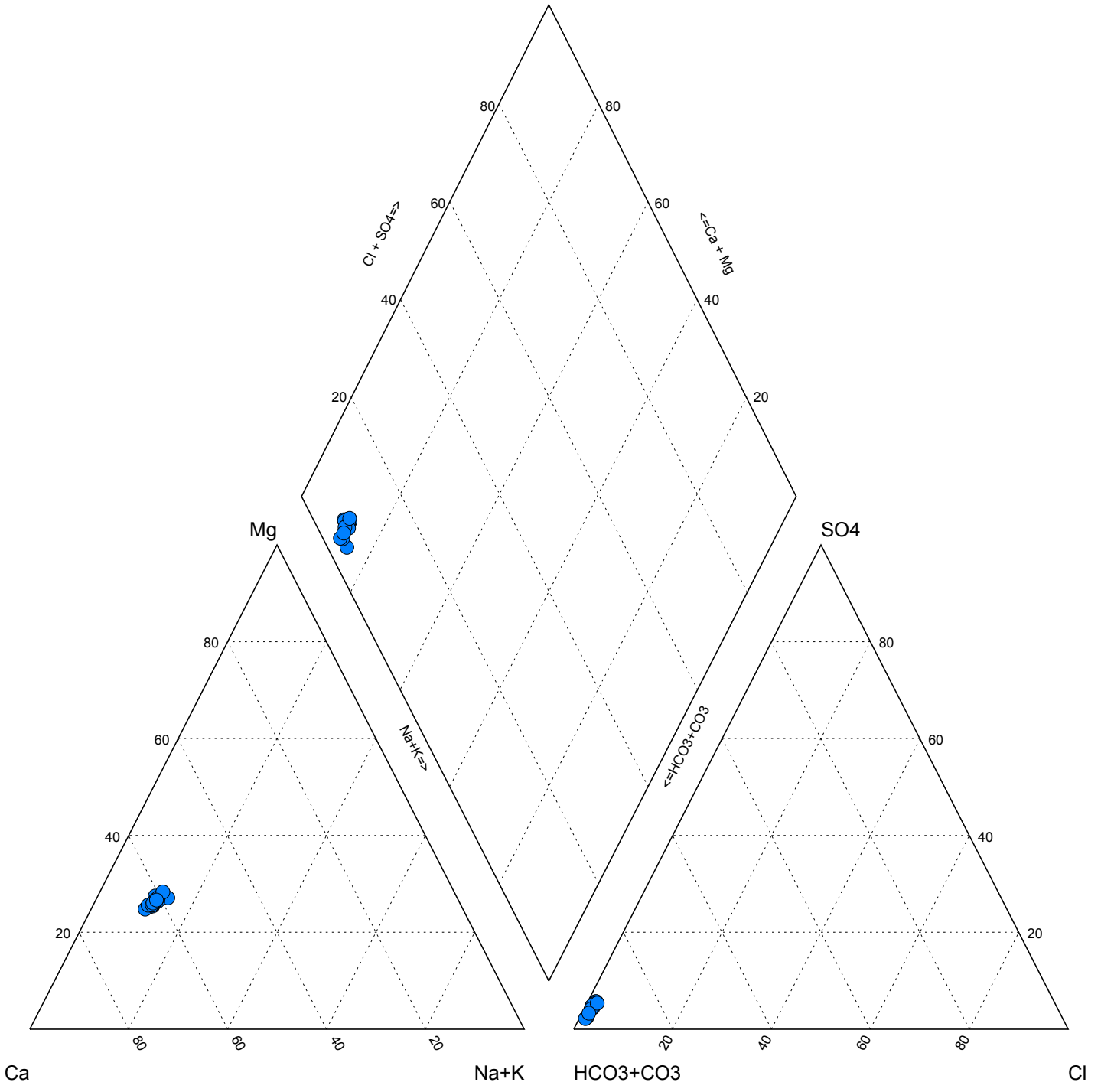

Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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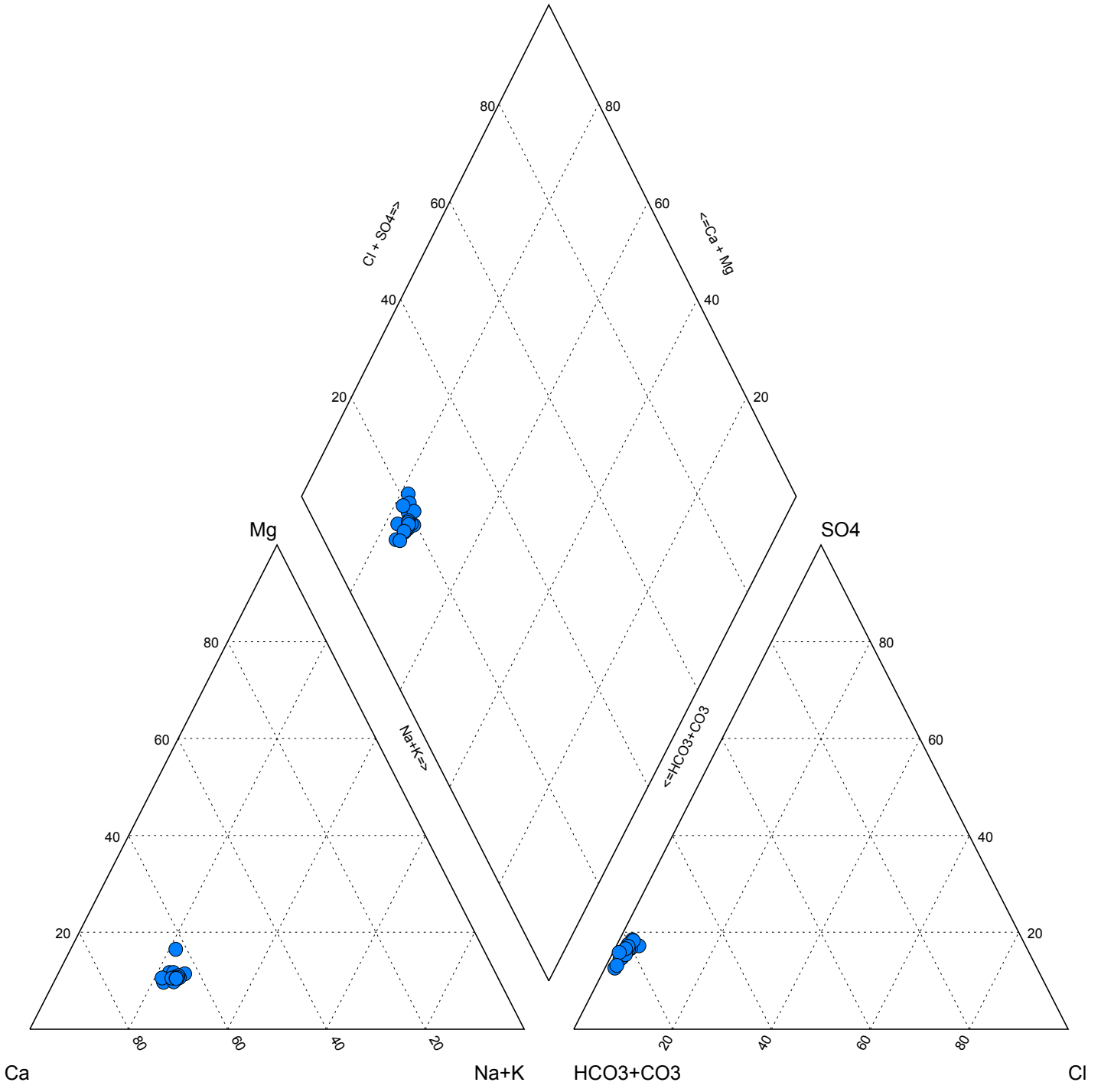
Appendix 9.2E
Piper Plot of Well KPP4

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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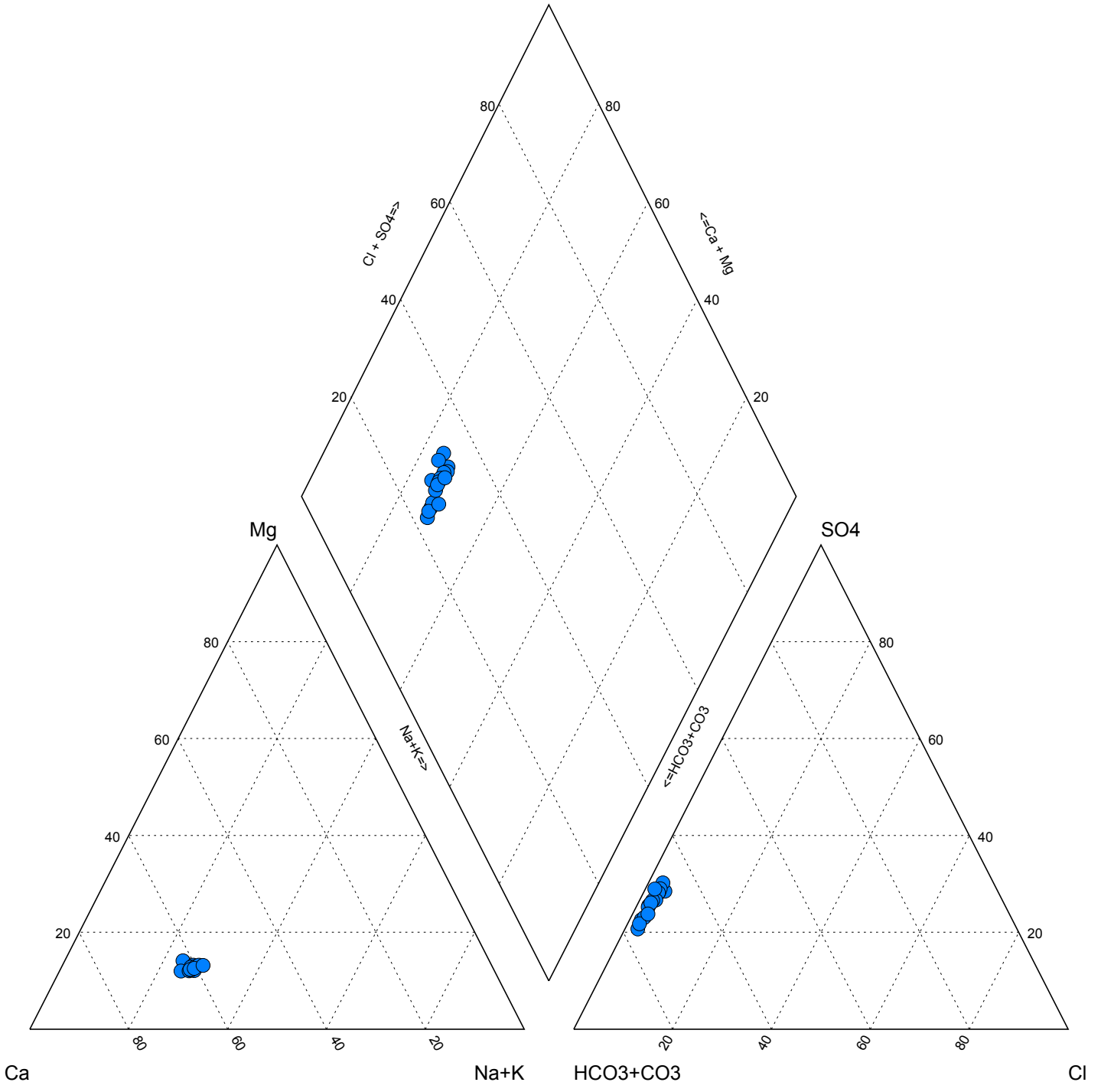
Appendix 9.2E
Piper Plot of Well MW10

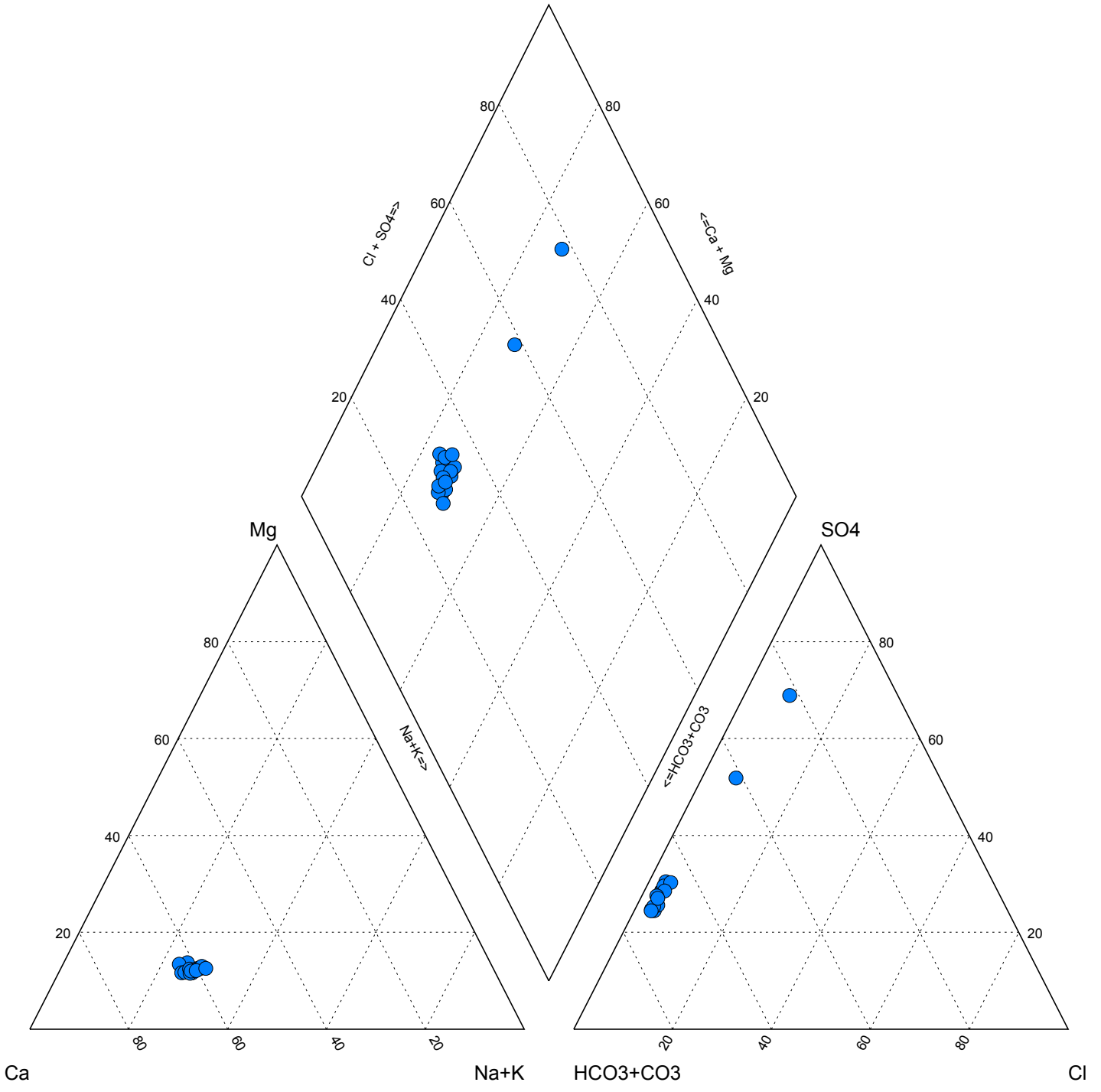
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW11D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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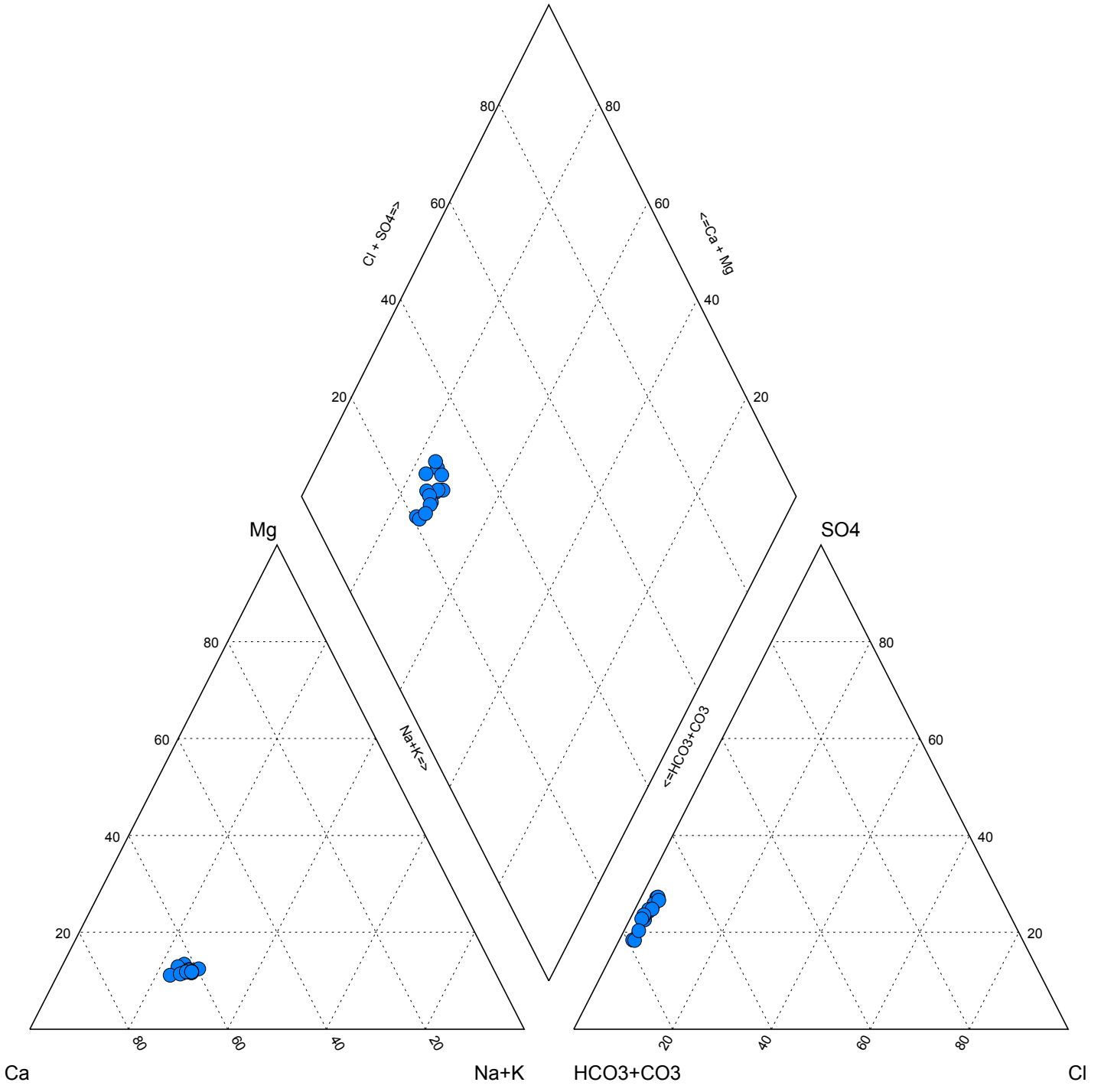
Appendix 9.2E
Piper Plot of Well MW11M

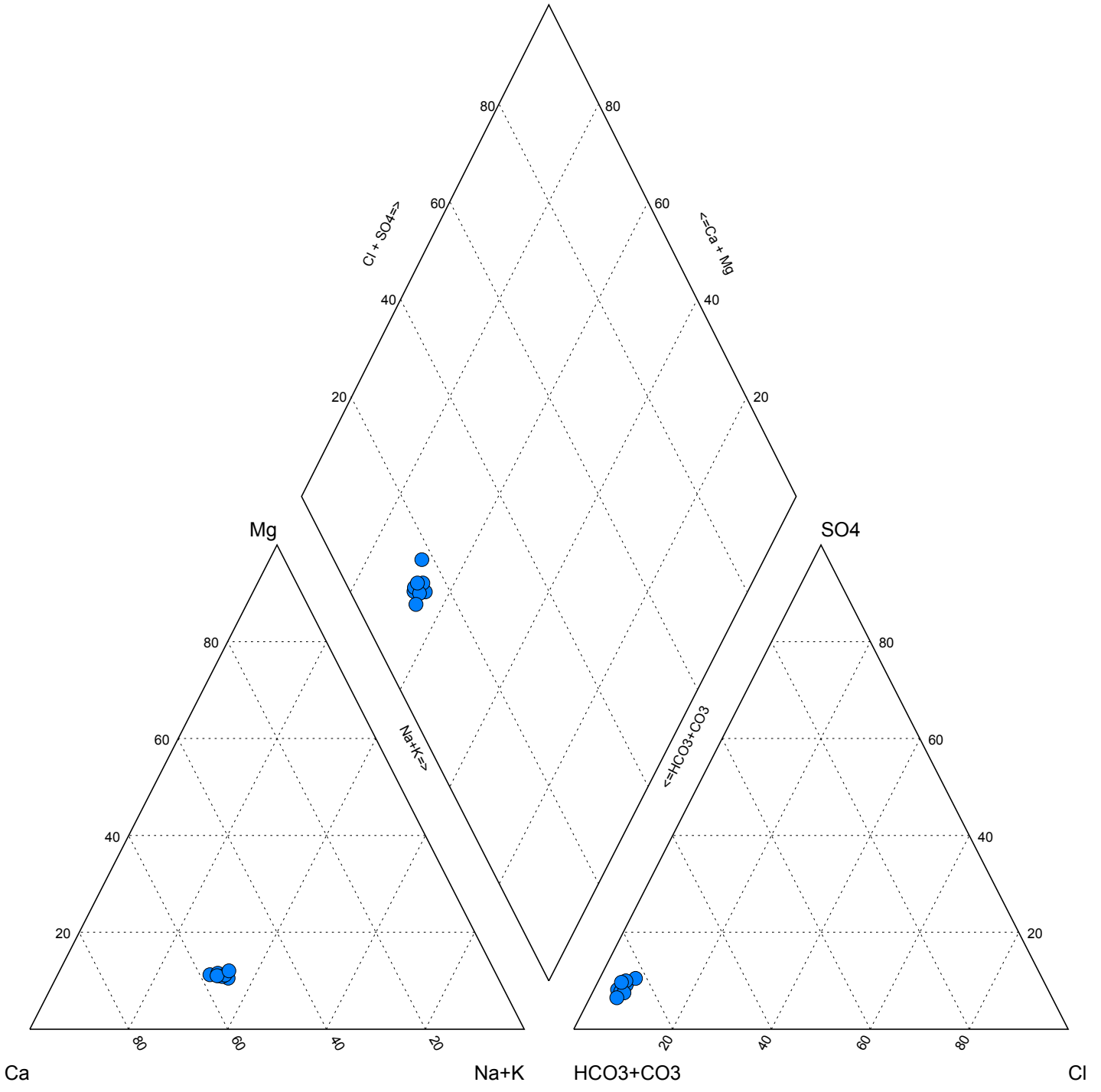
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW11S

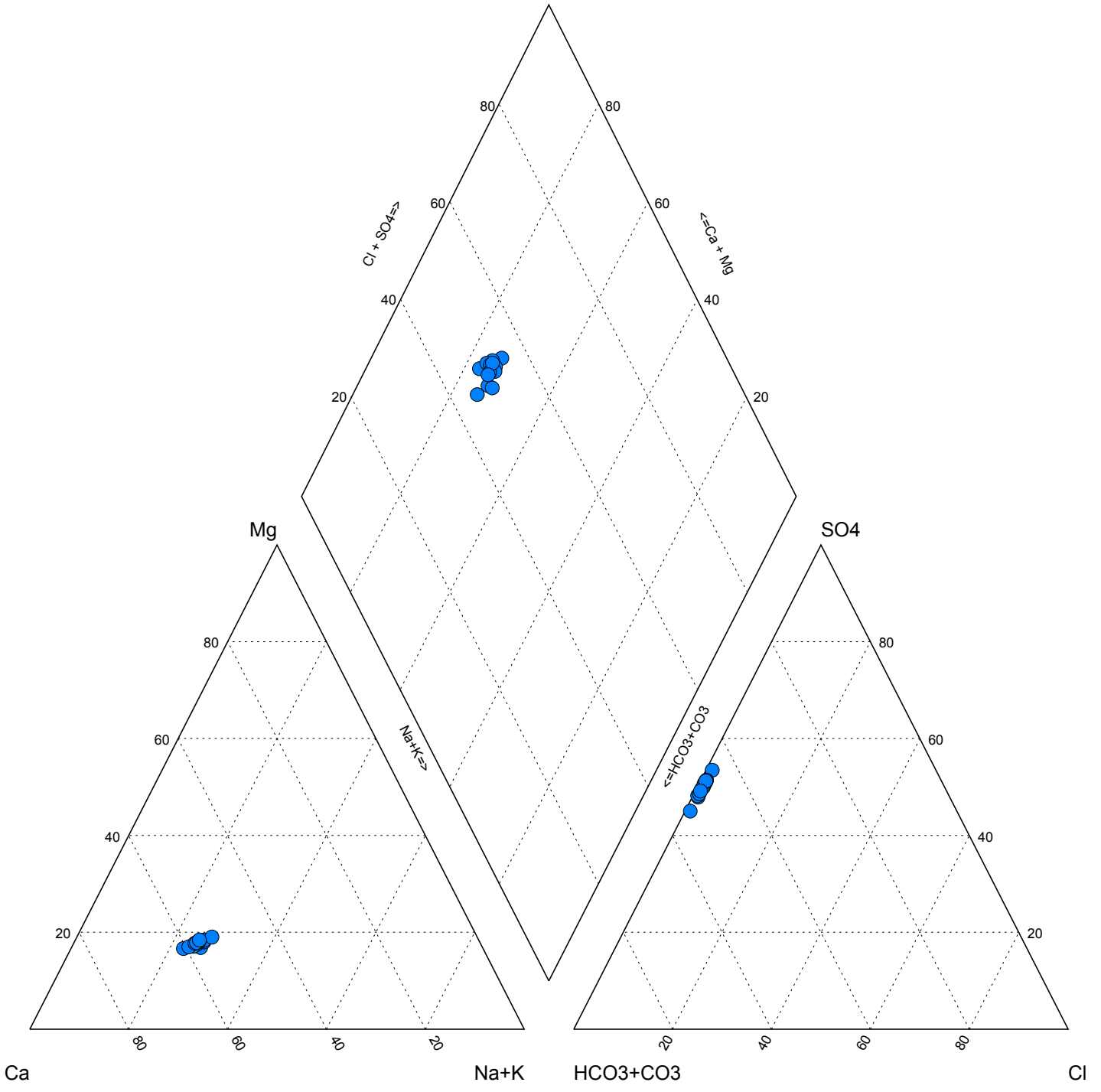
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW11SS

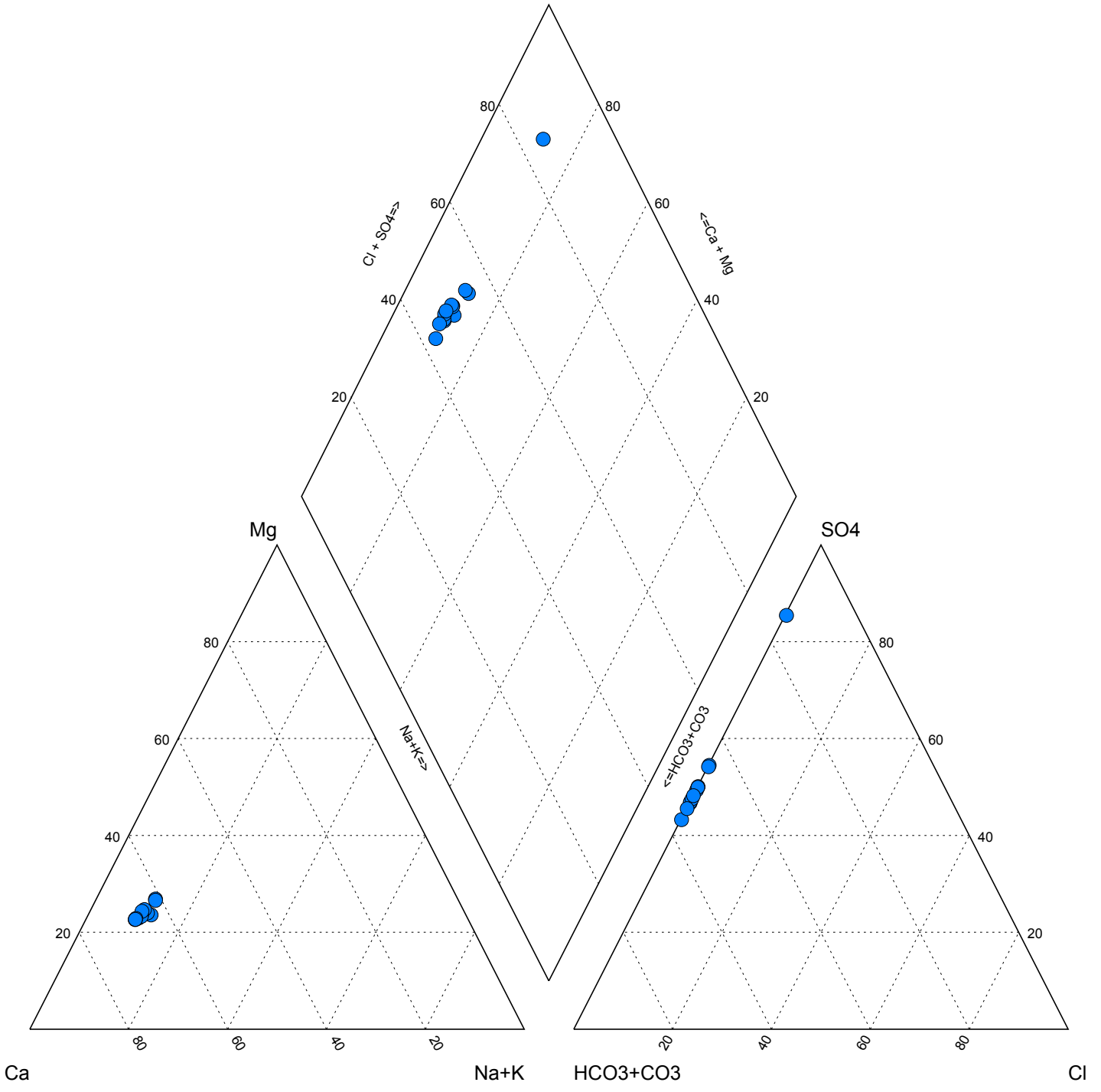
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW12D

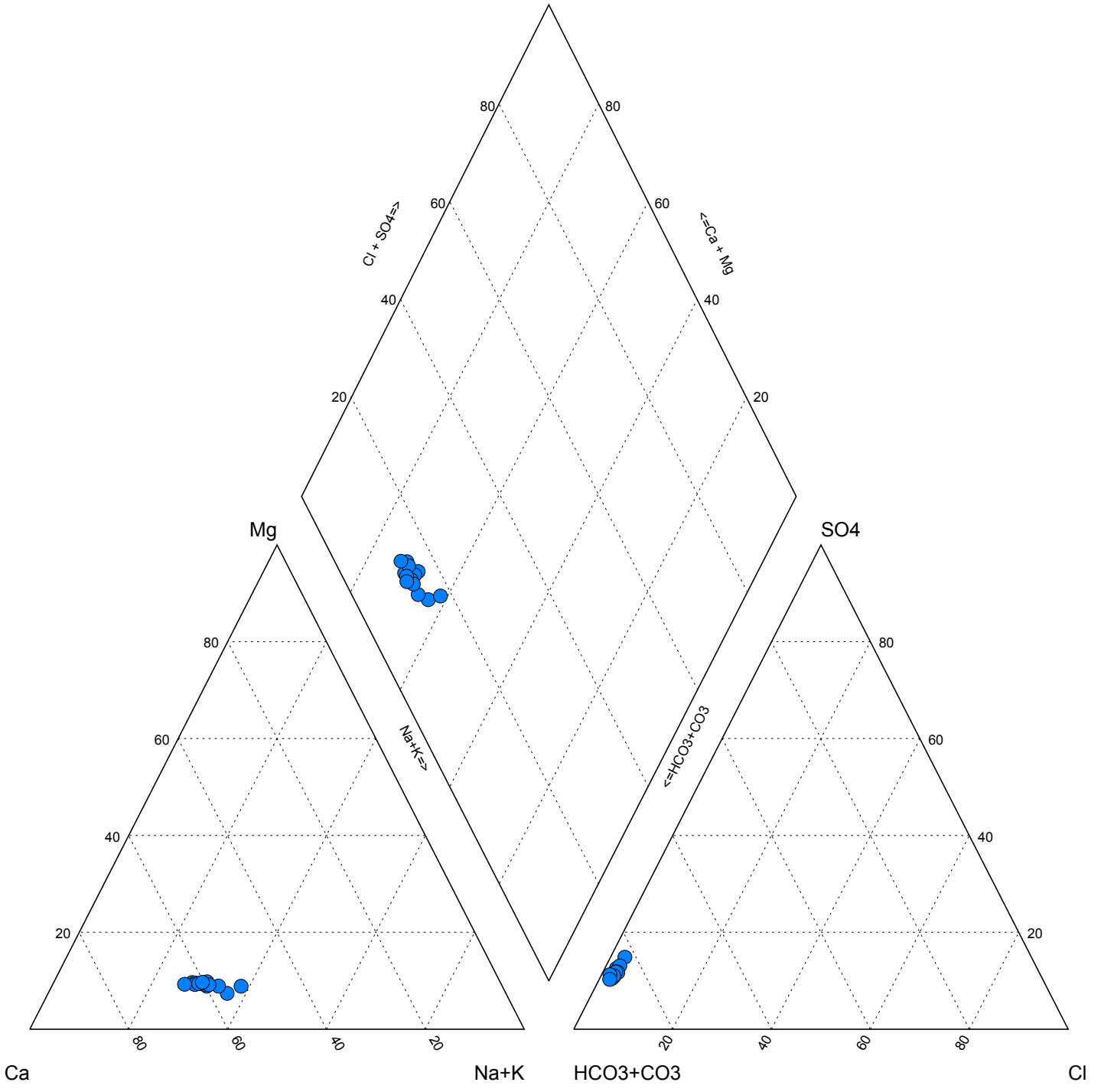
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW12S

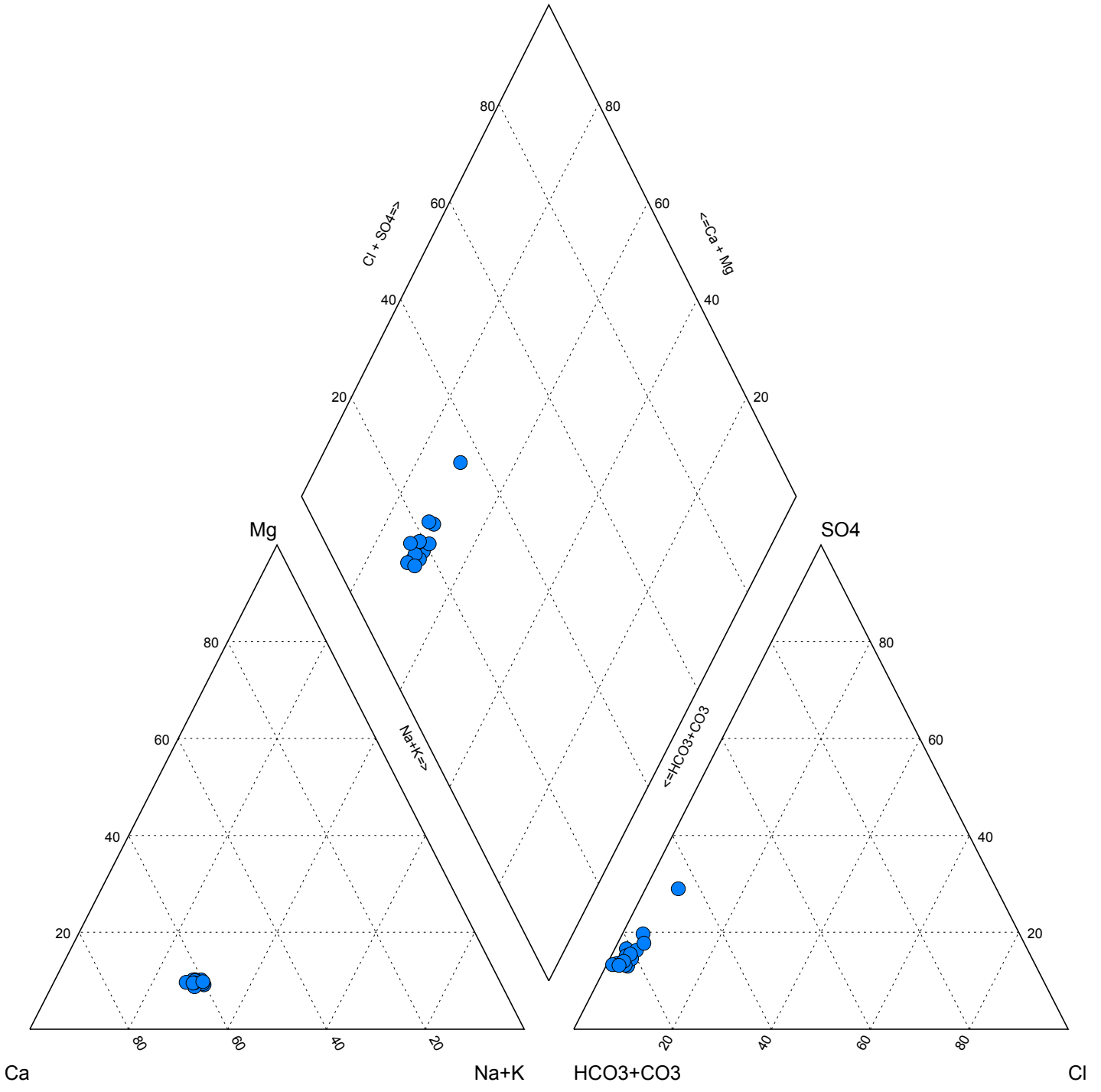
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW13D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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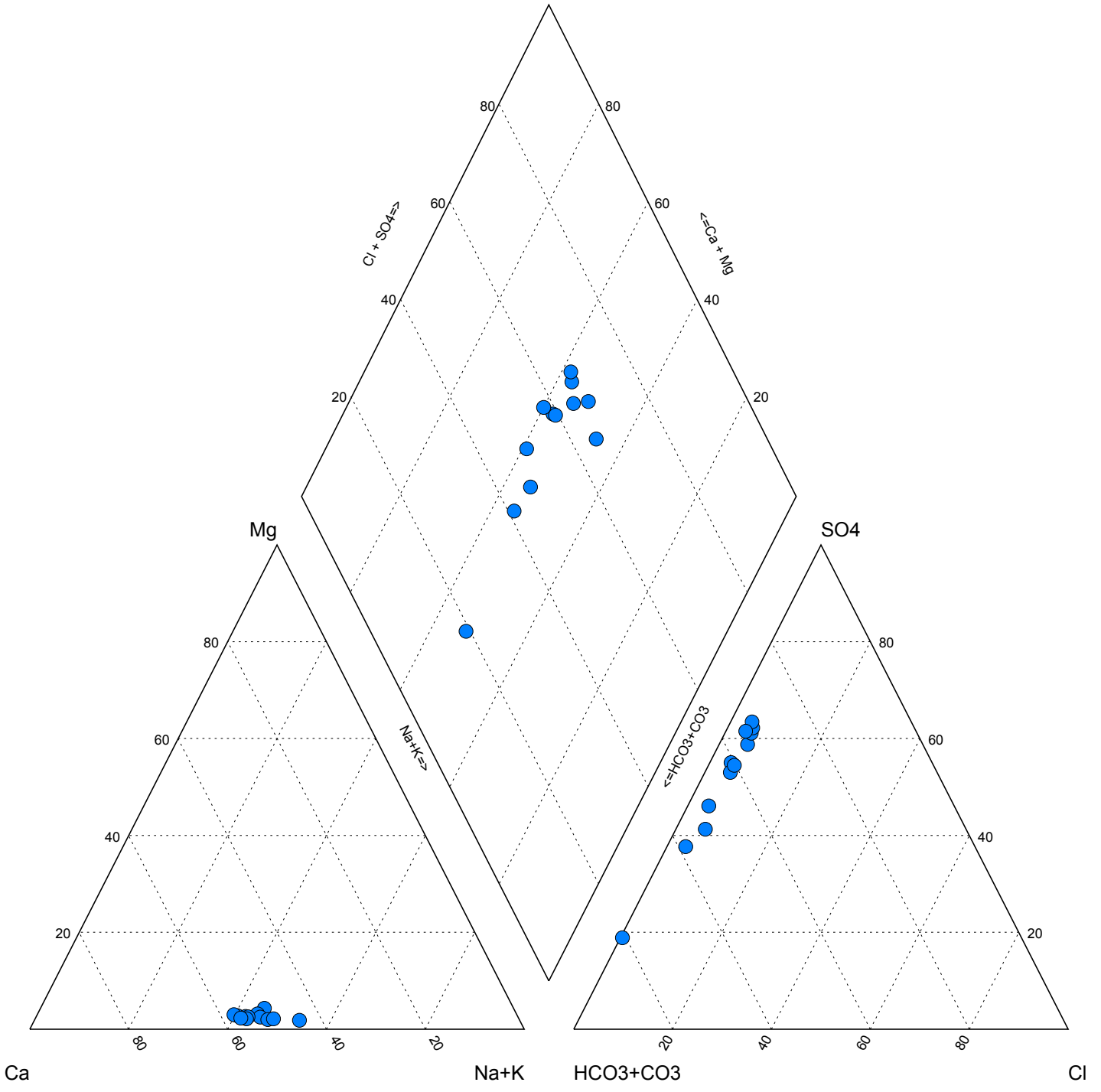
Appendix 9.2E
Piper Plot of Well MW13S

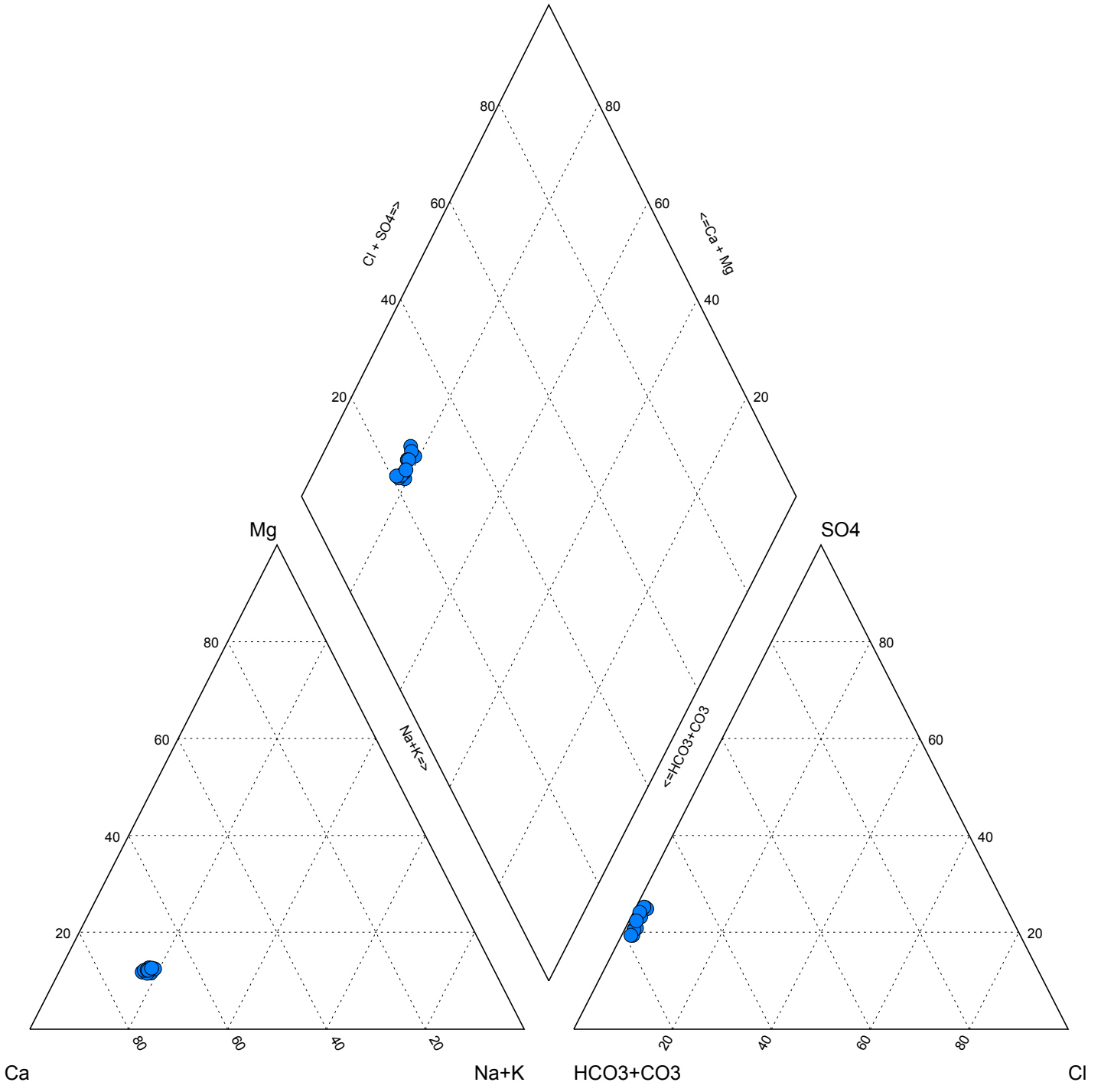
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW14D

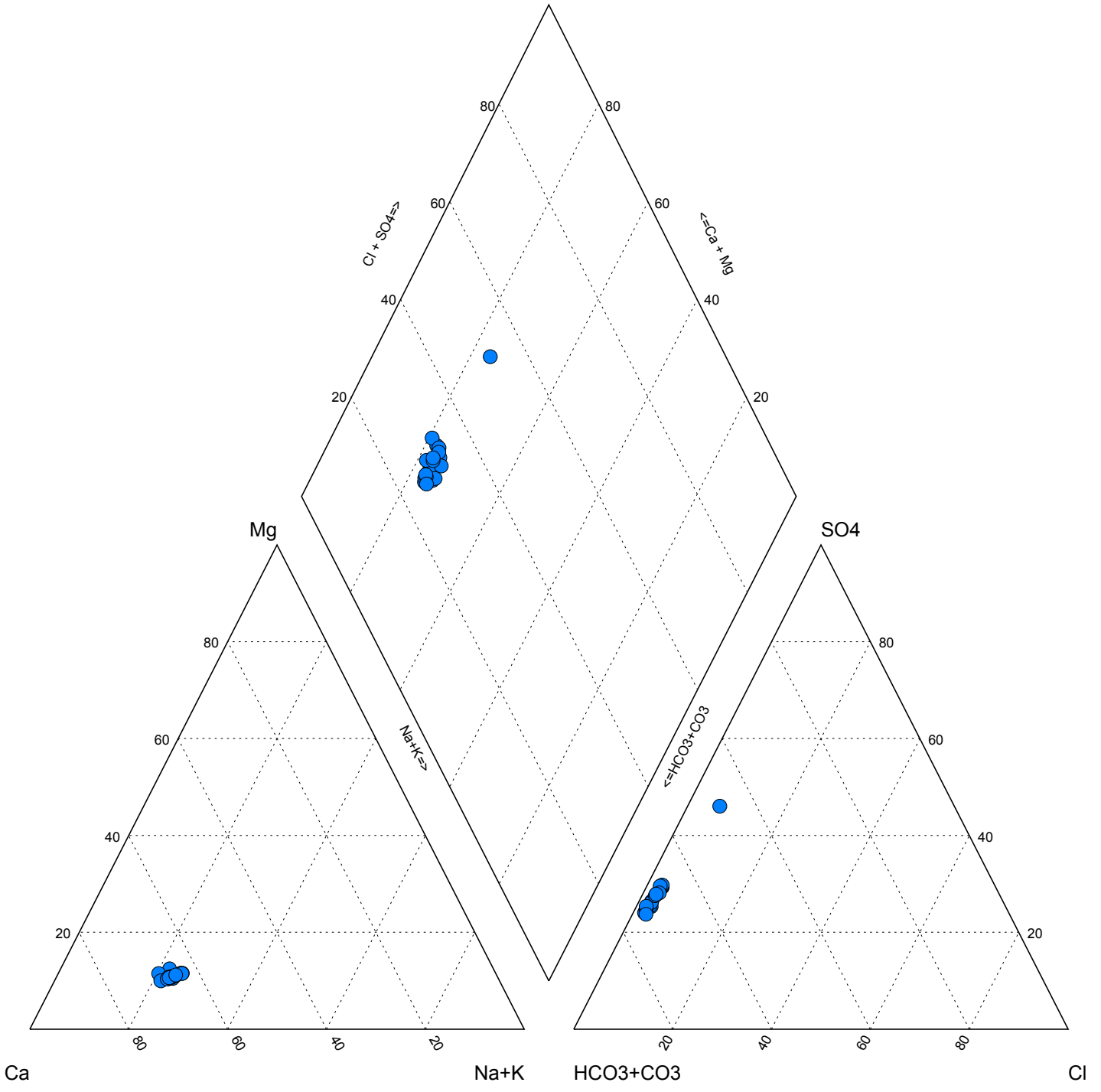
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW14S

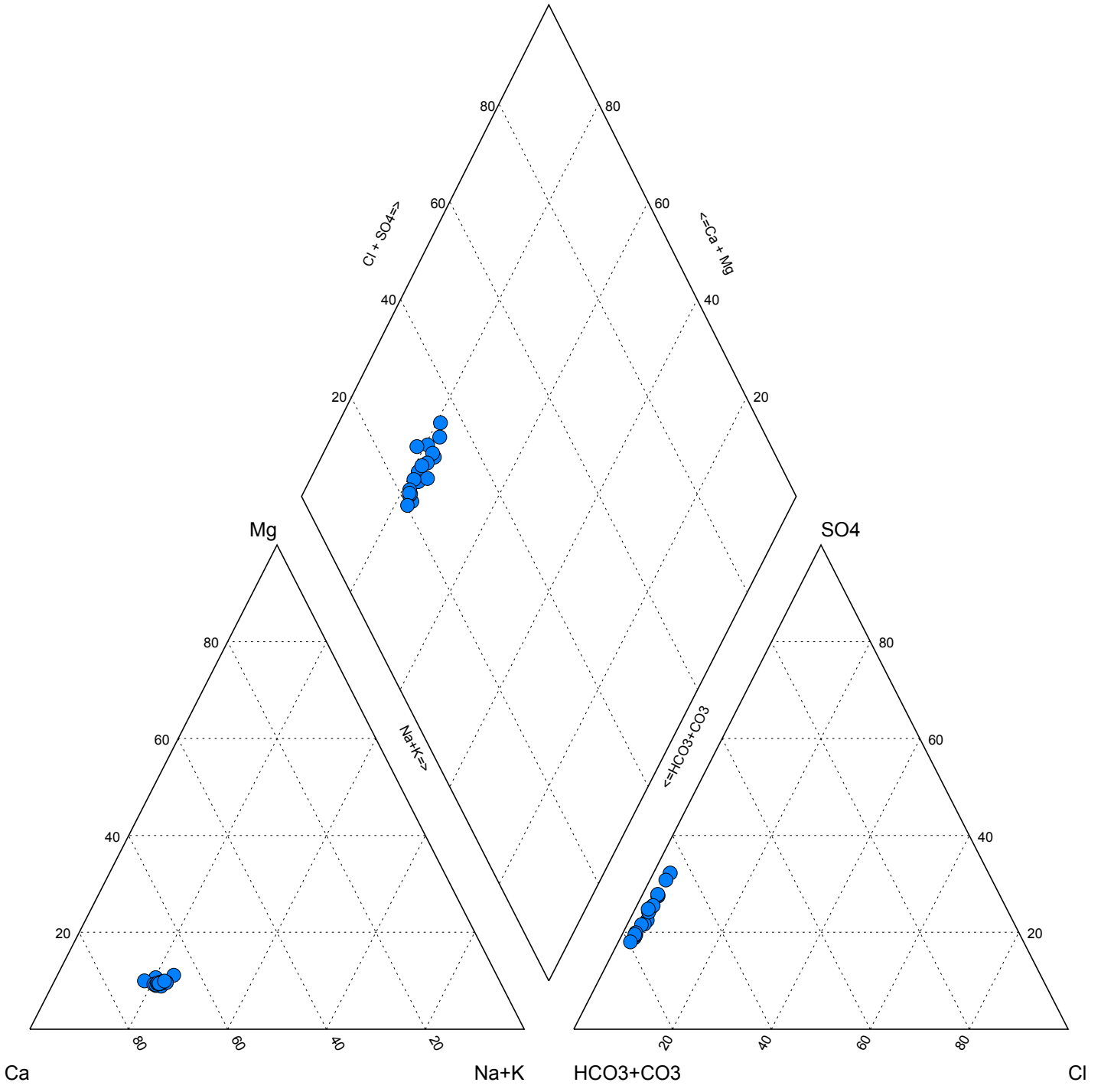
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW1D

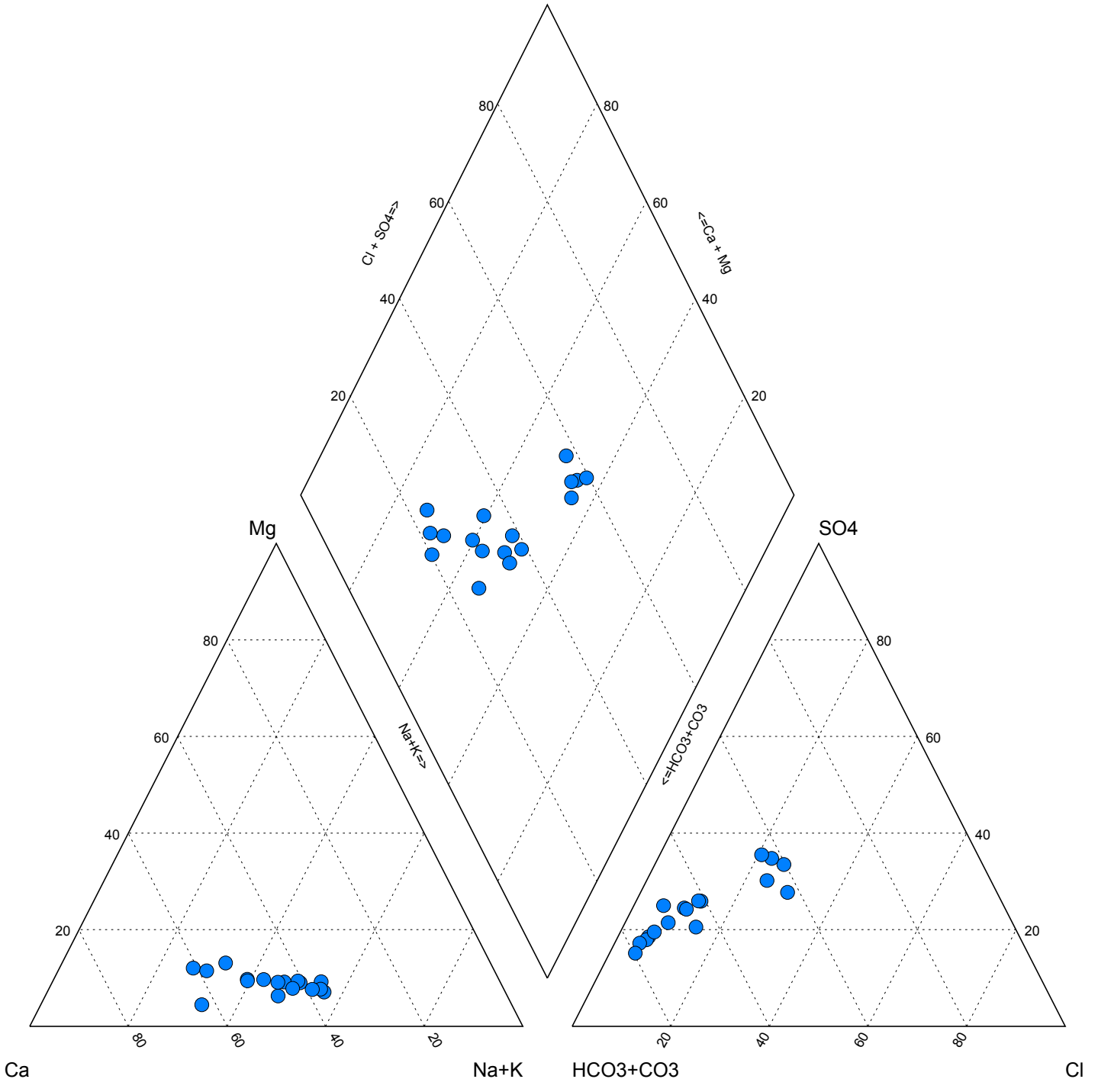
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW1M

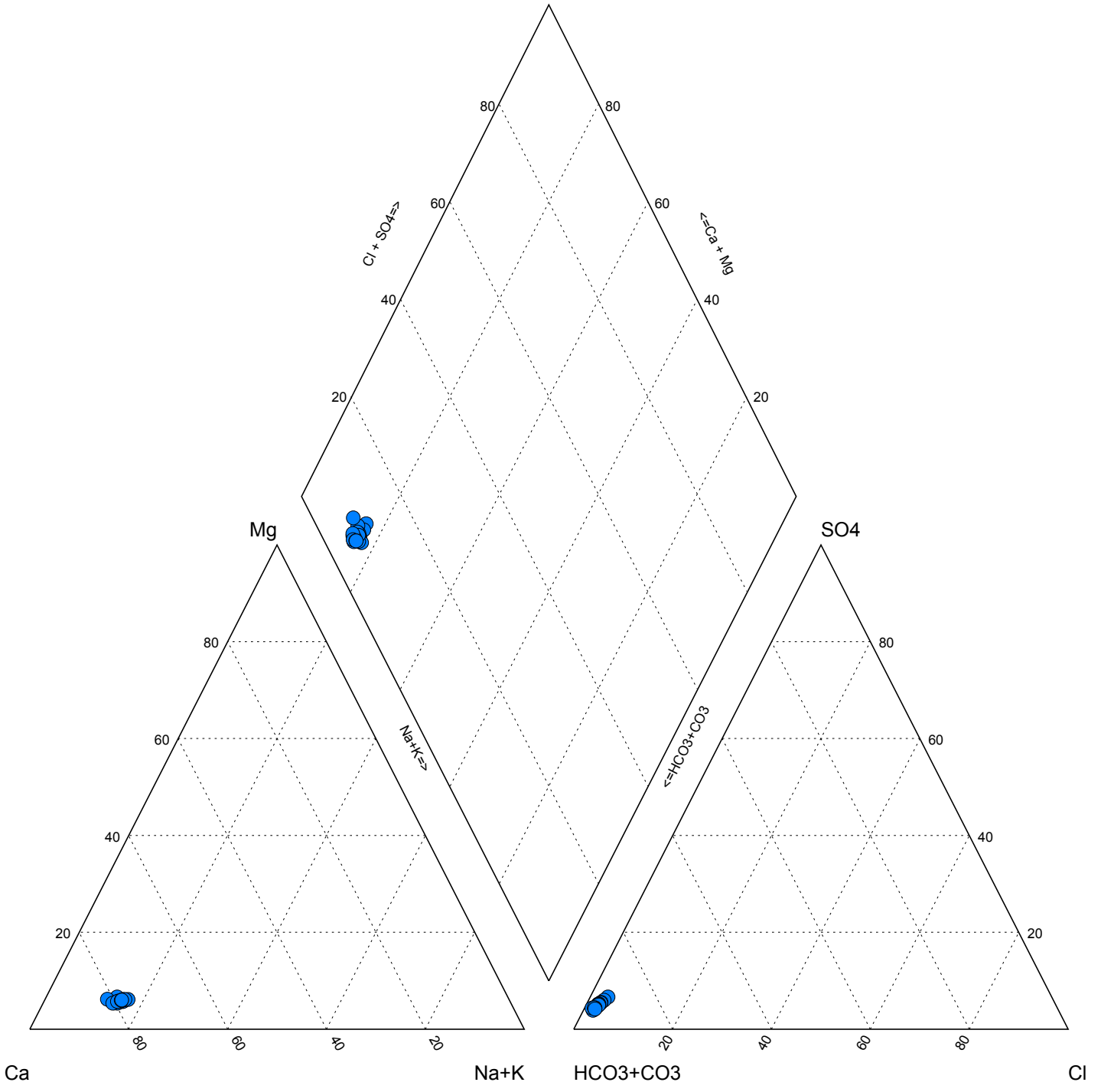
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW1S

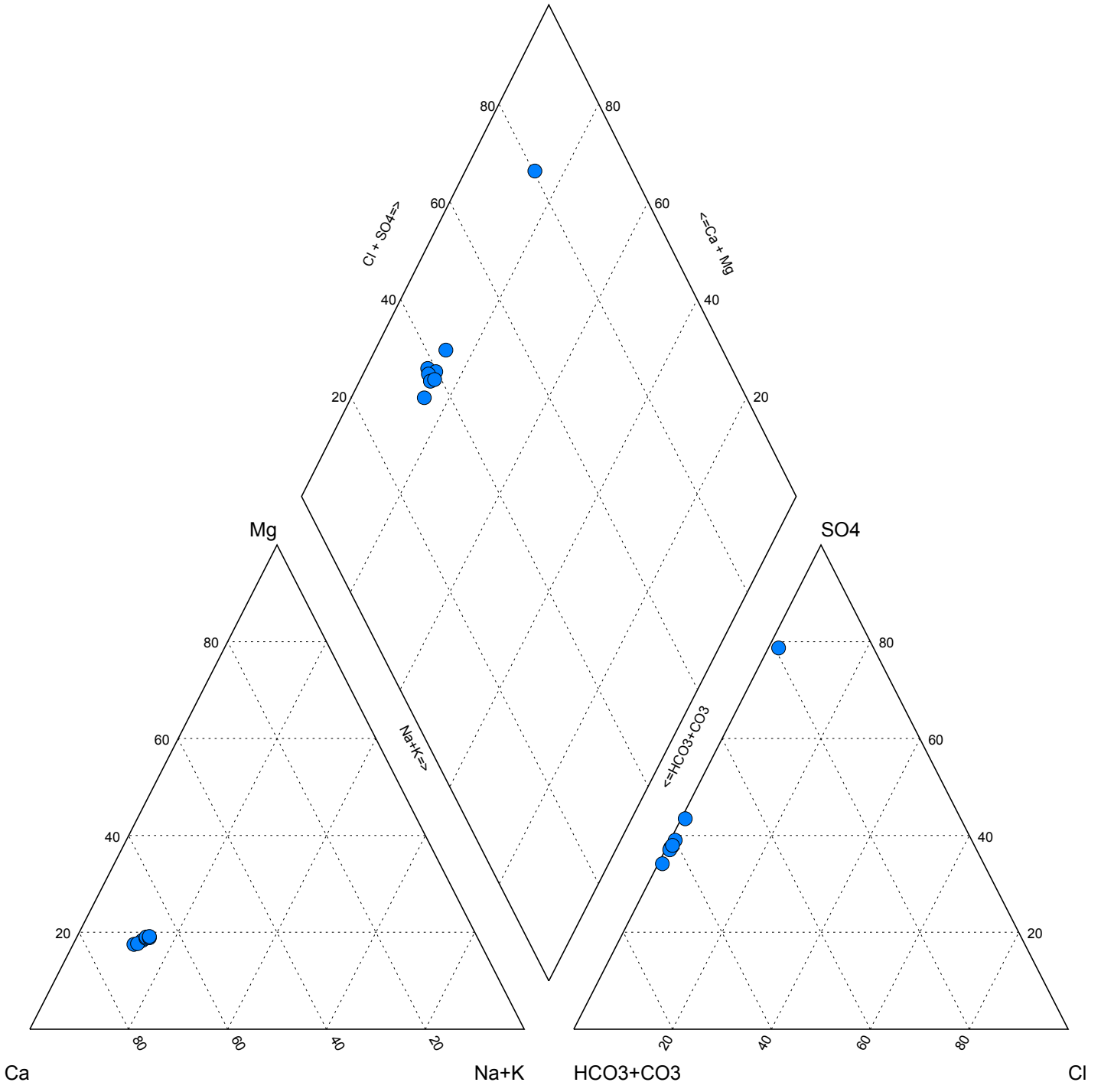
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW2D

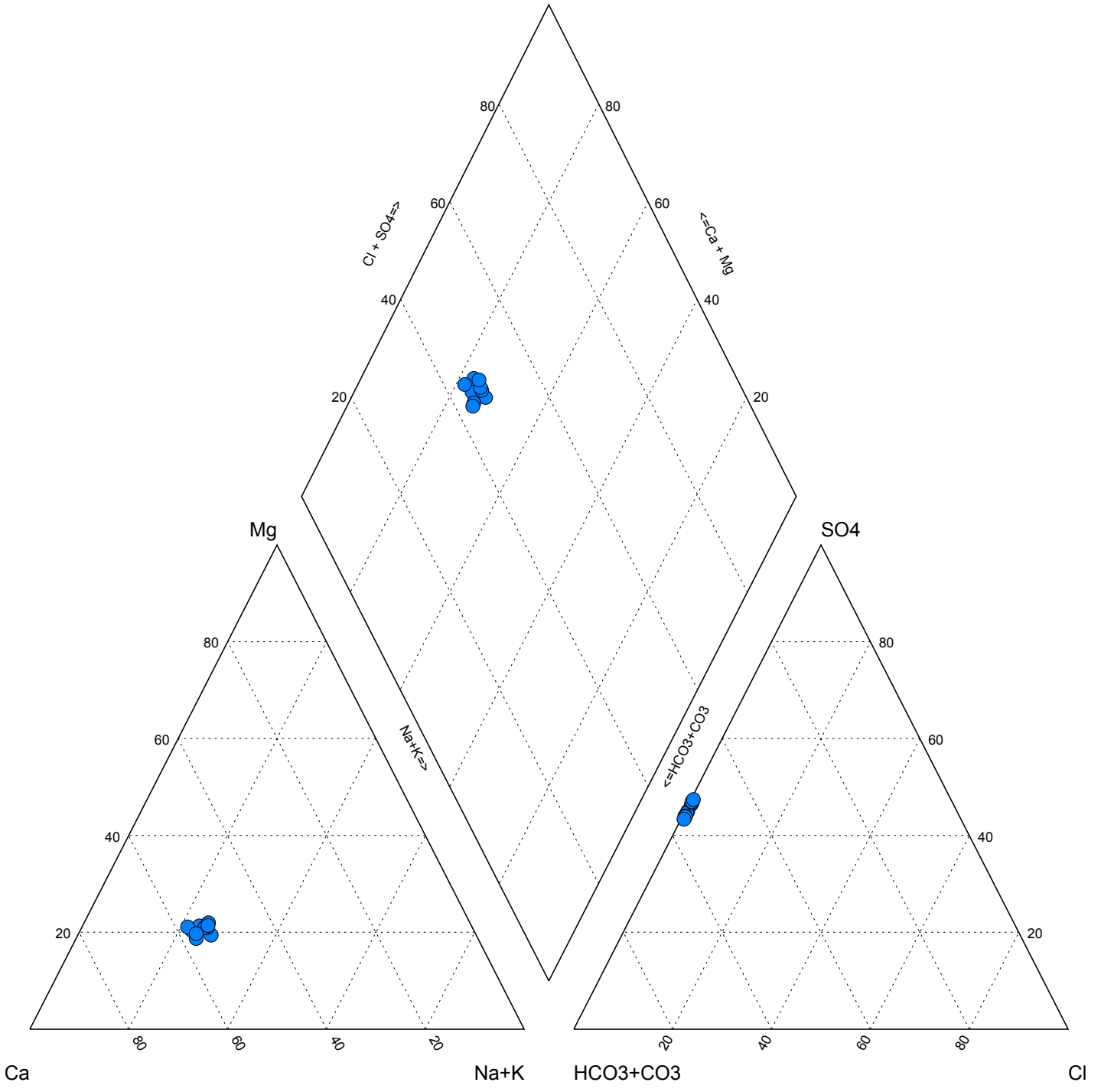
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW3D

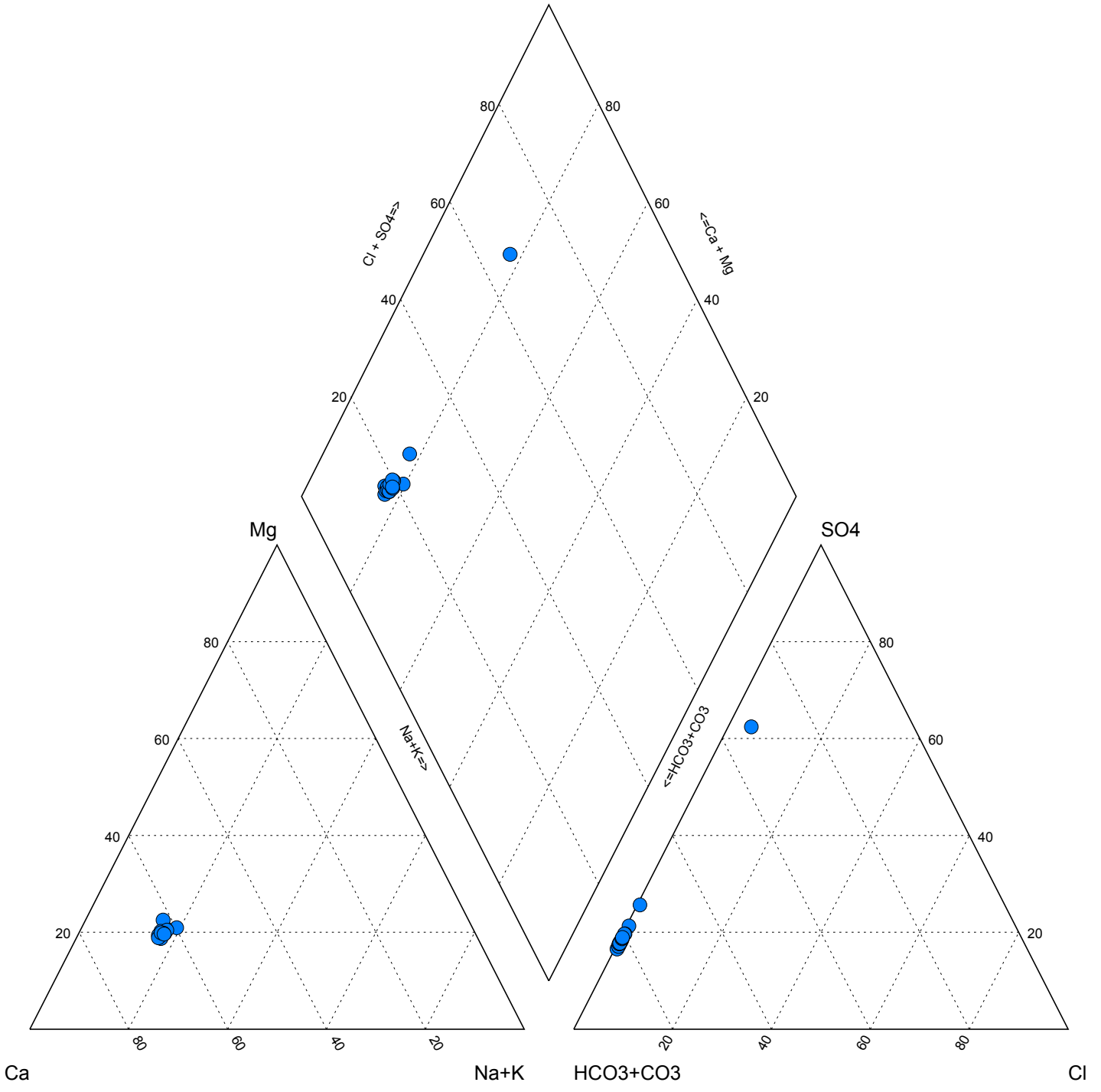
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW5D

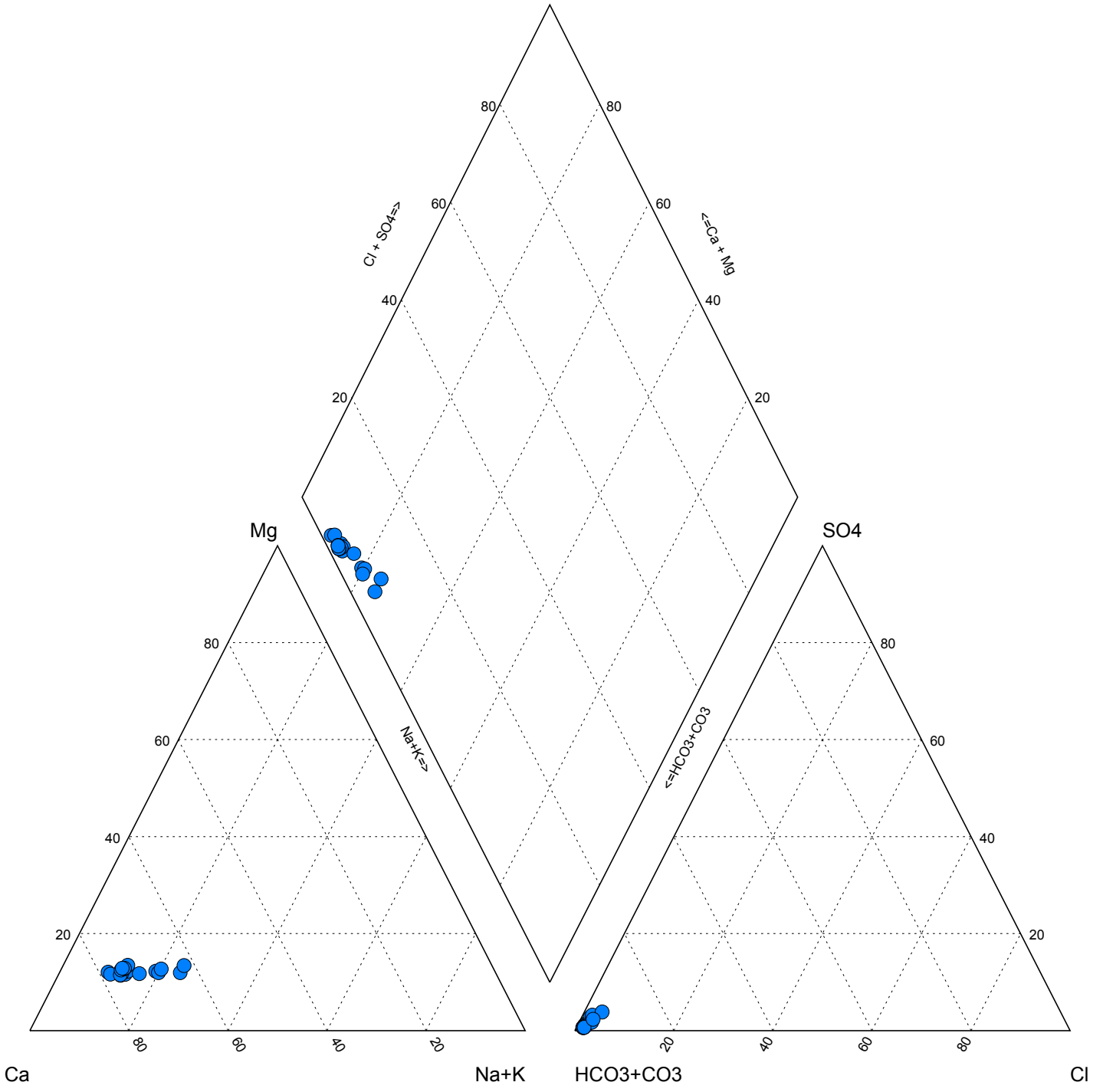
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW5M

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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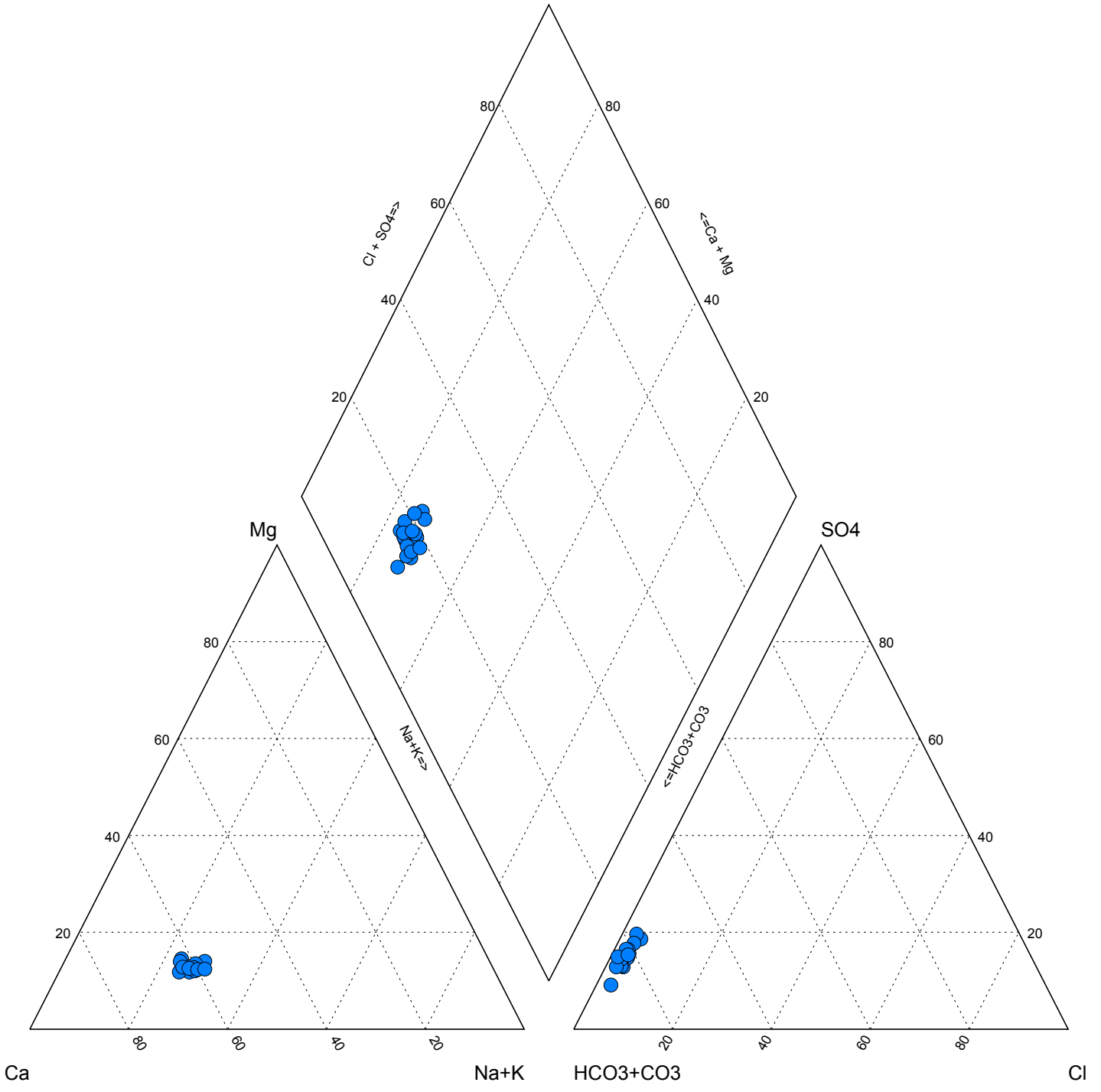
Appendix 9.2E
Piper Plot of Well MW5S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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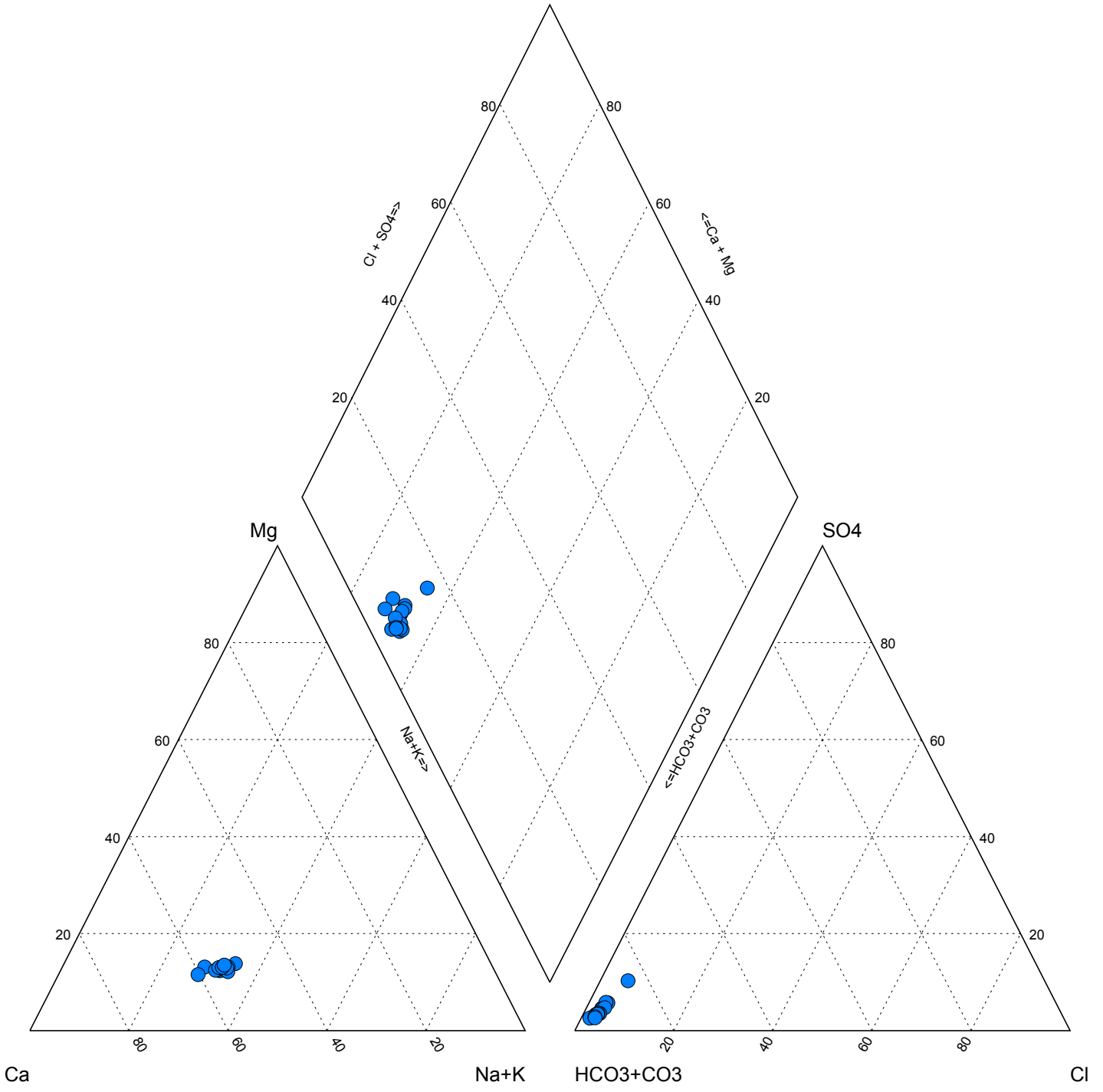
Appendix 9.2E
Piper Plot of Well MW6D

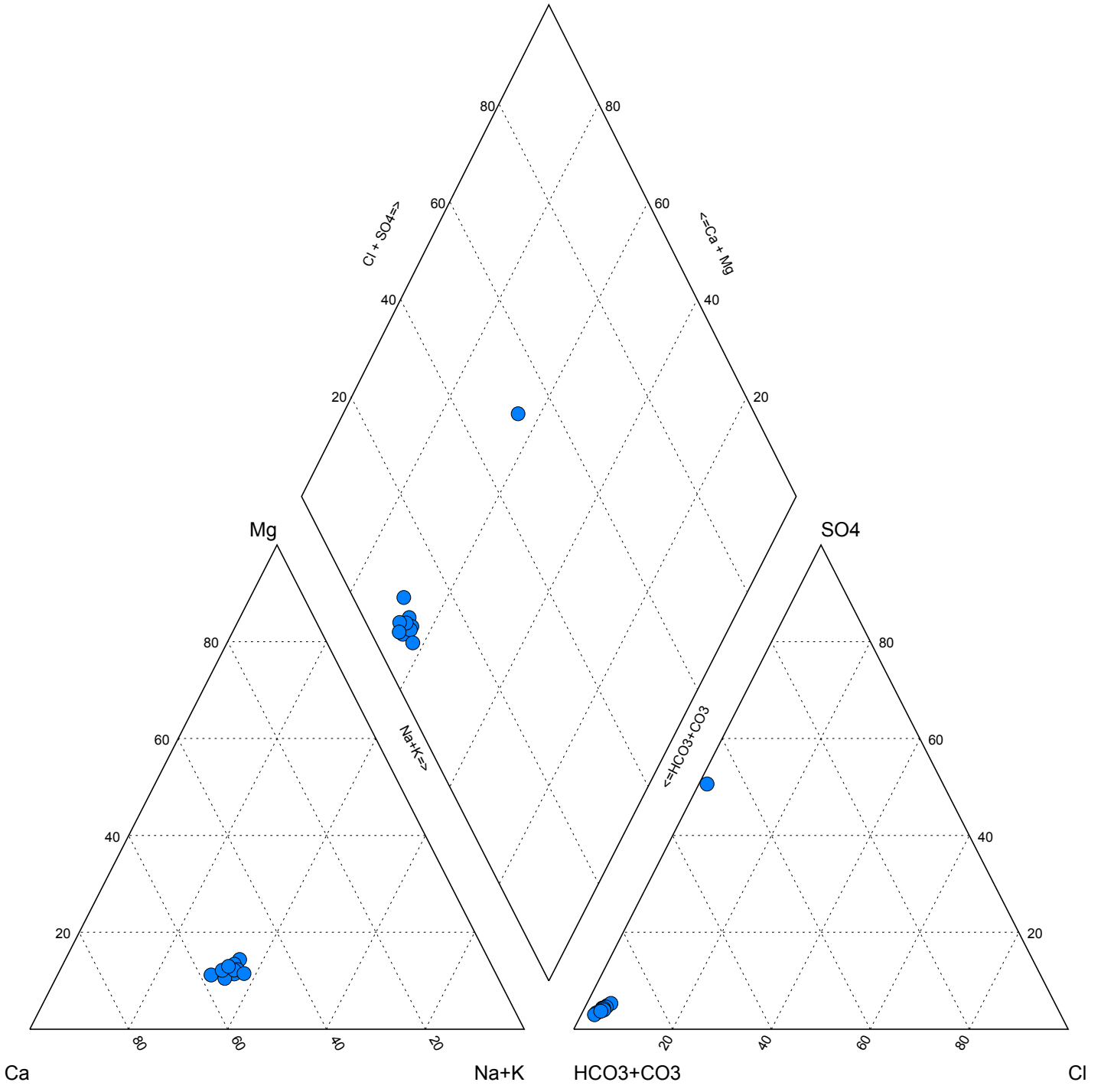
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW7D

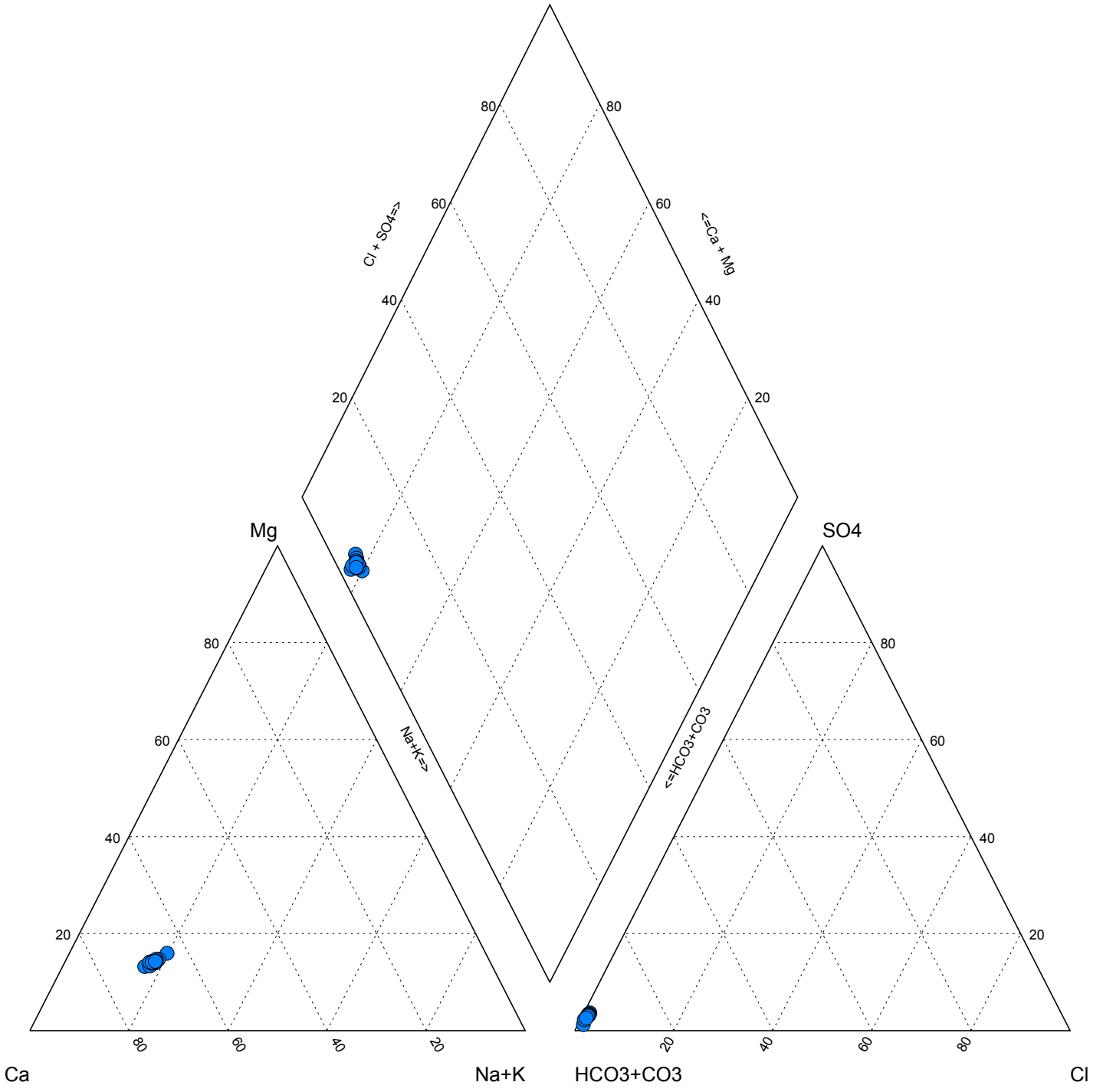
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW7S

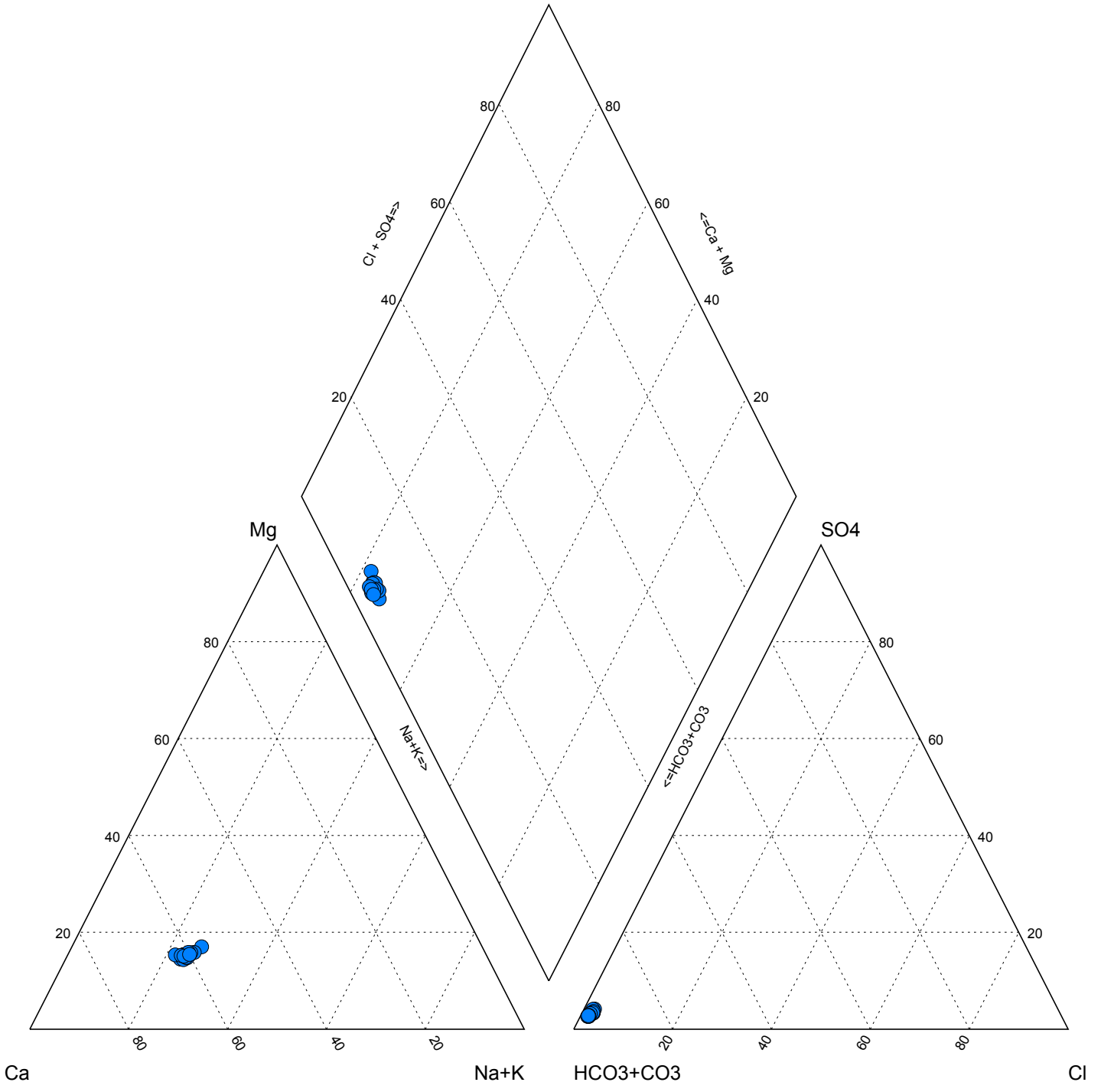
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW8D

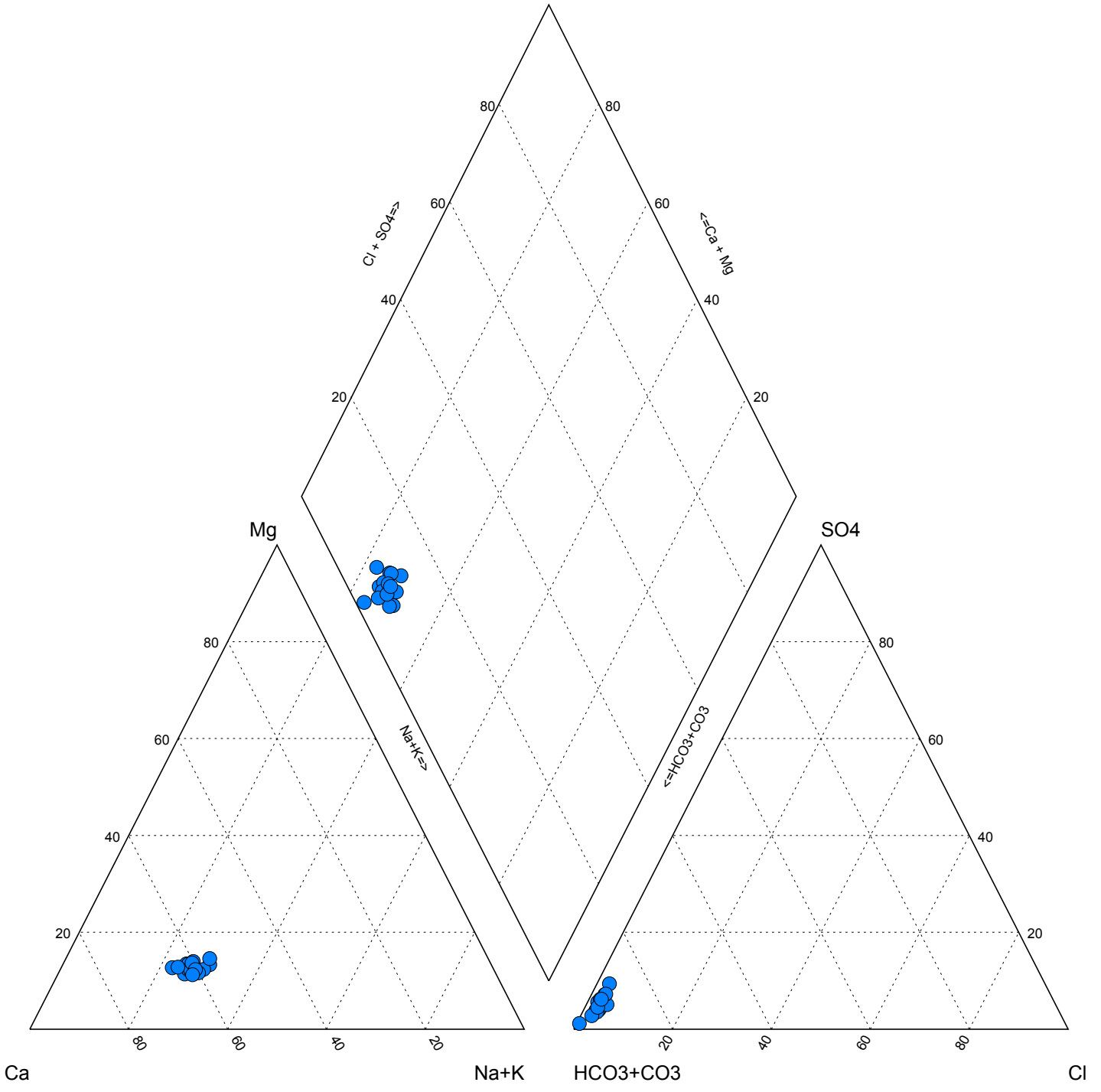
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW8M

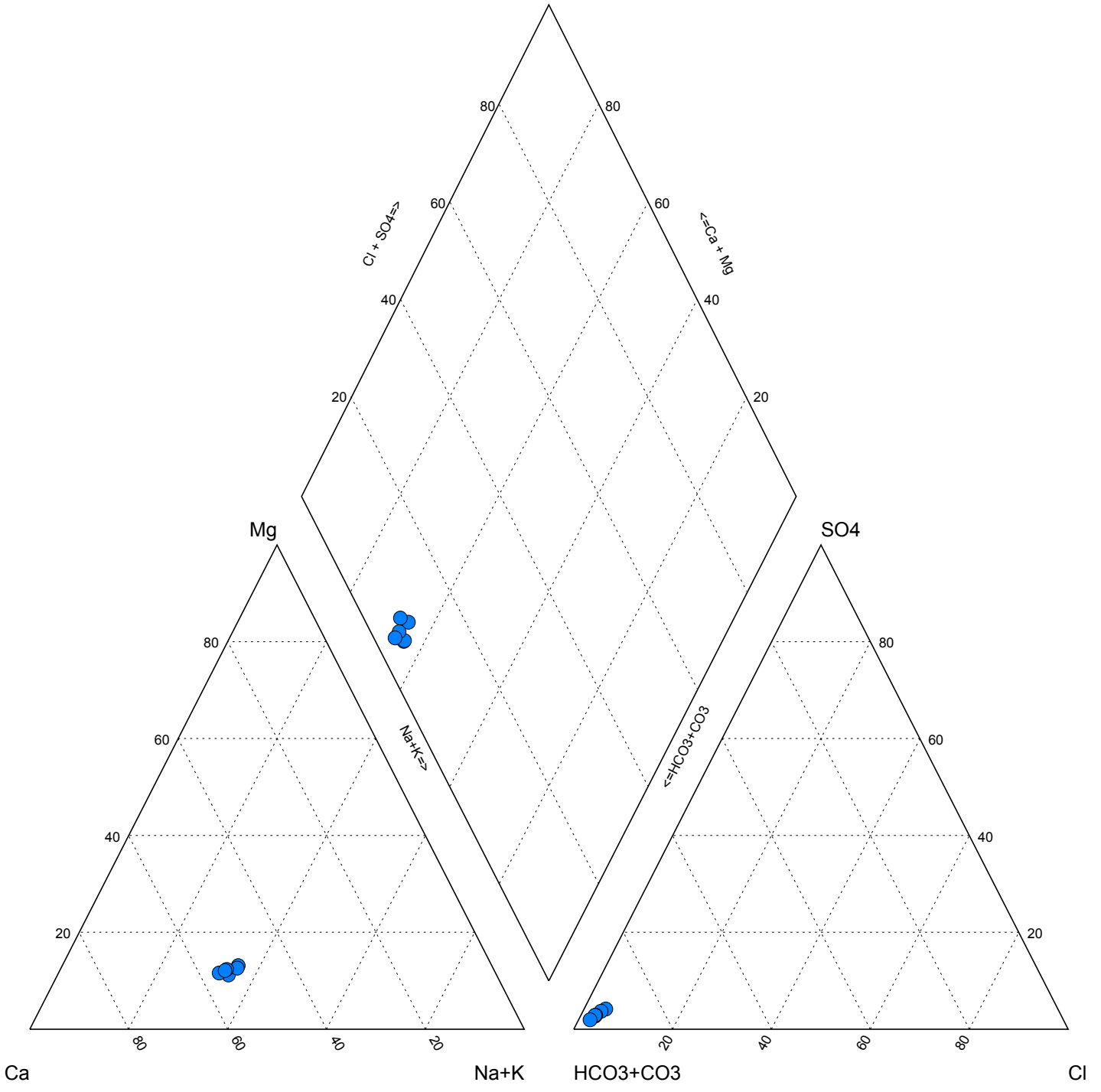
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well MW8S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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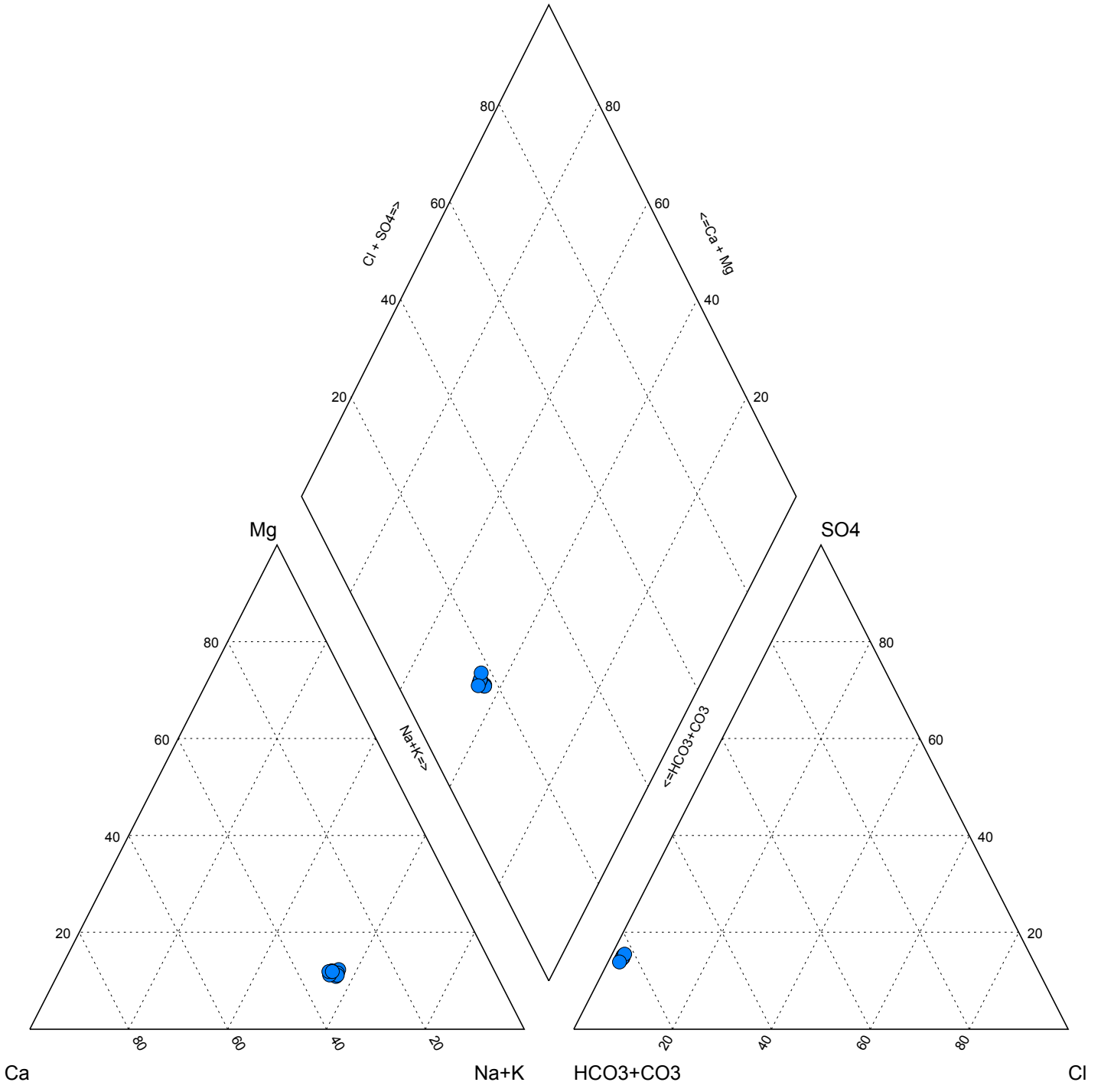
Appendix 9.2E
Piper Plot of Well MW9D

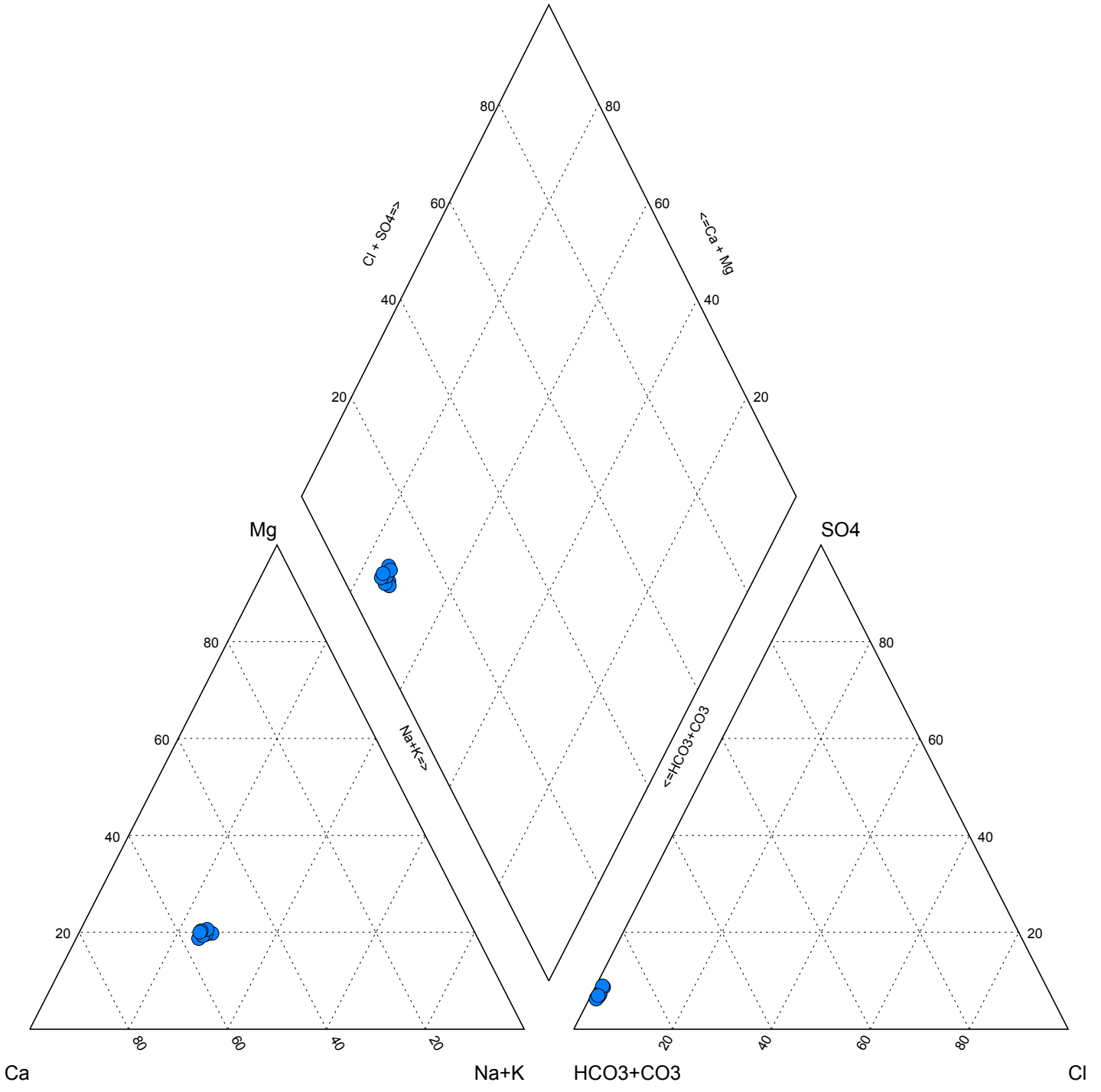
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well P0637D

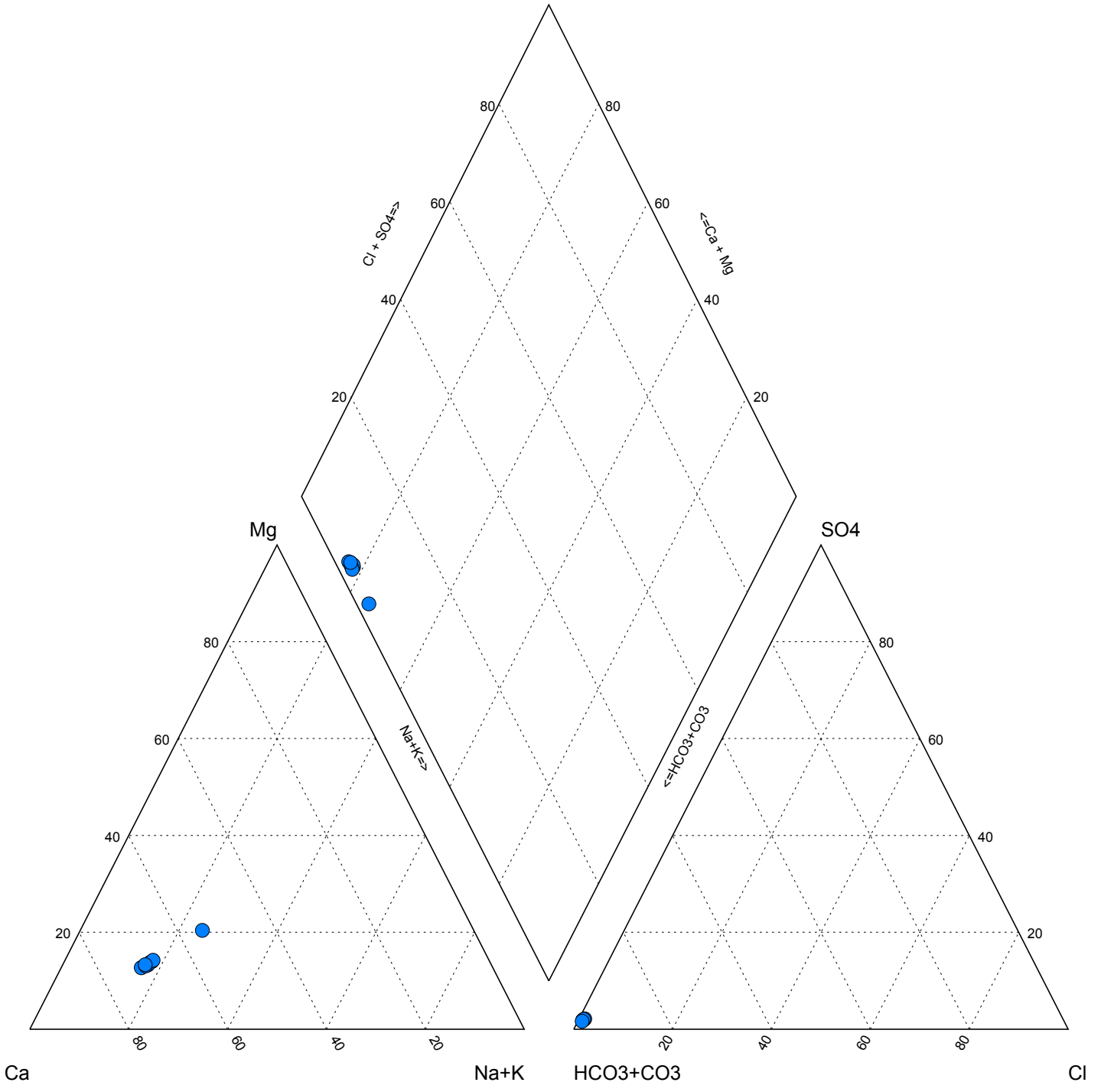
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well P0637M

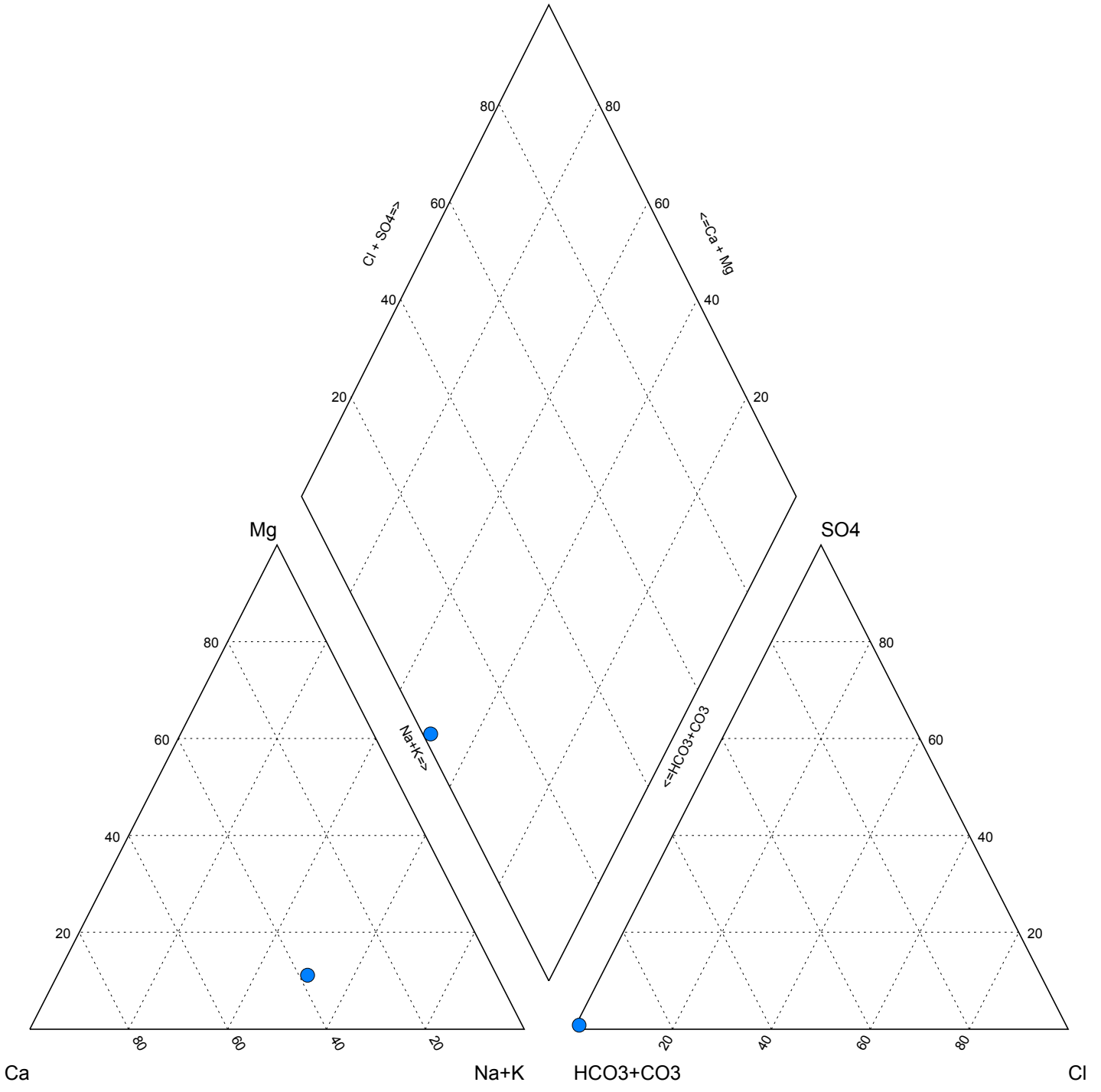
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well P0637S

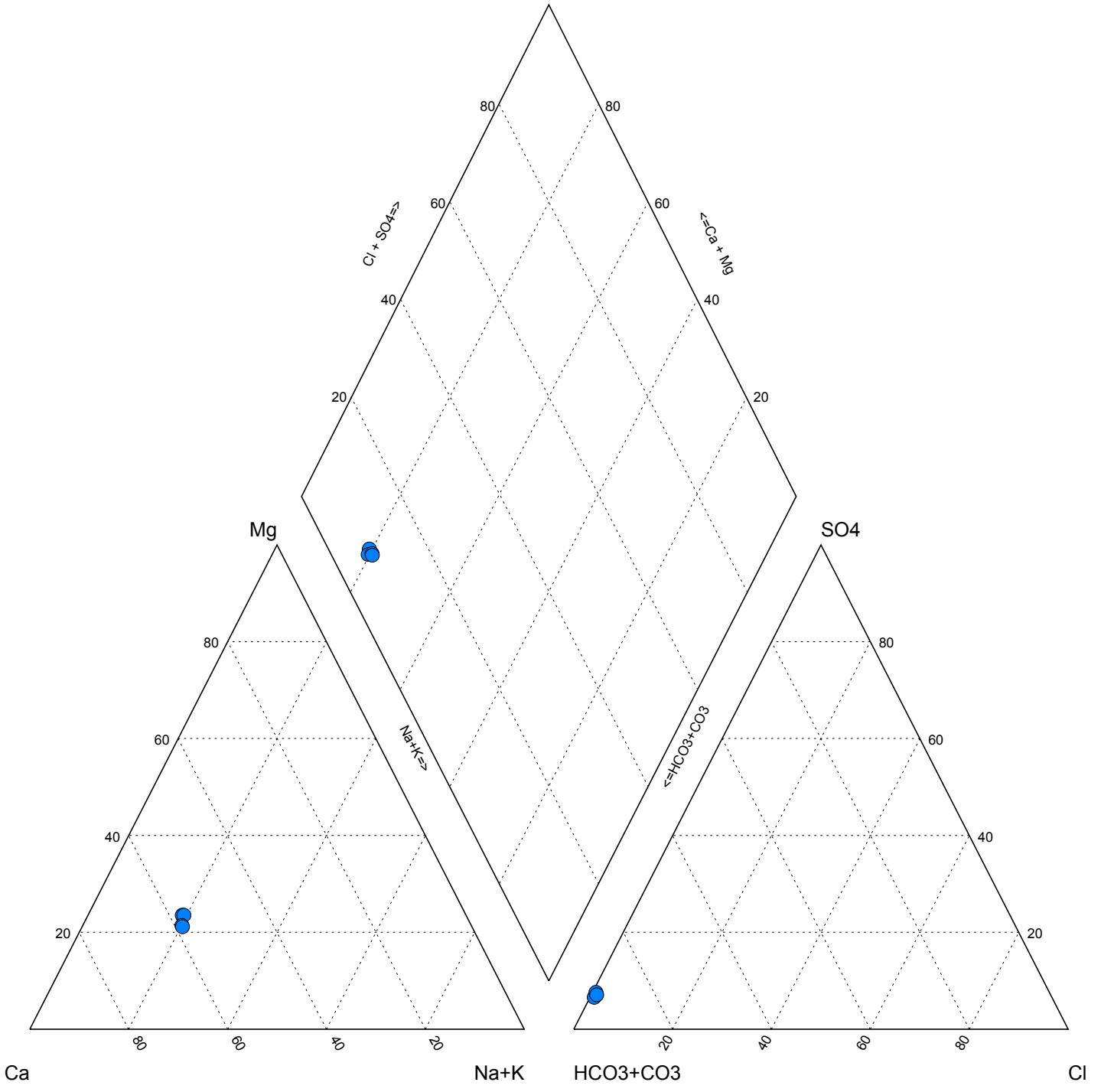
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well P0638D

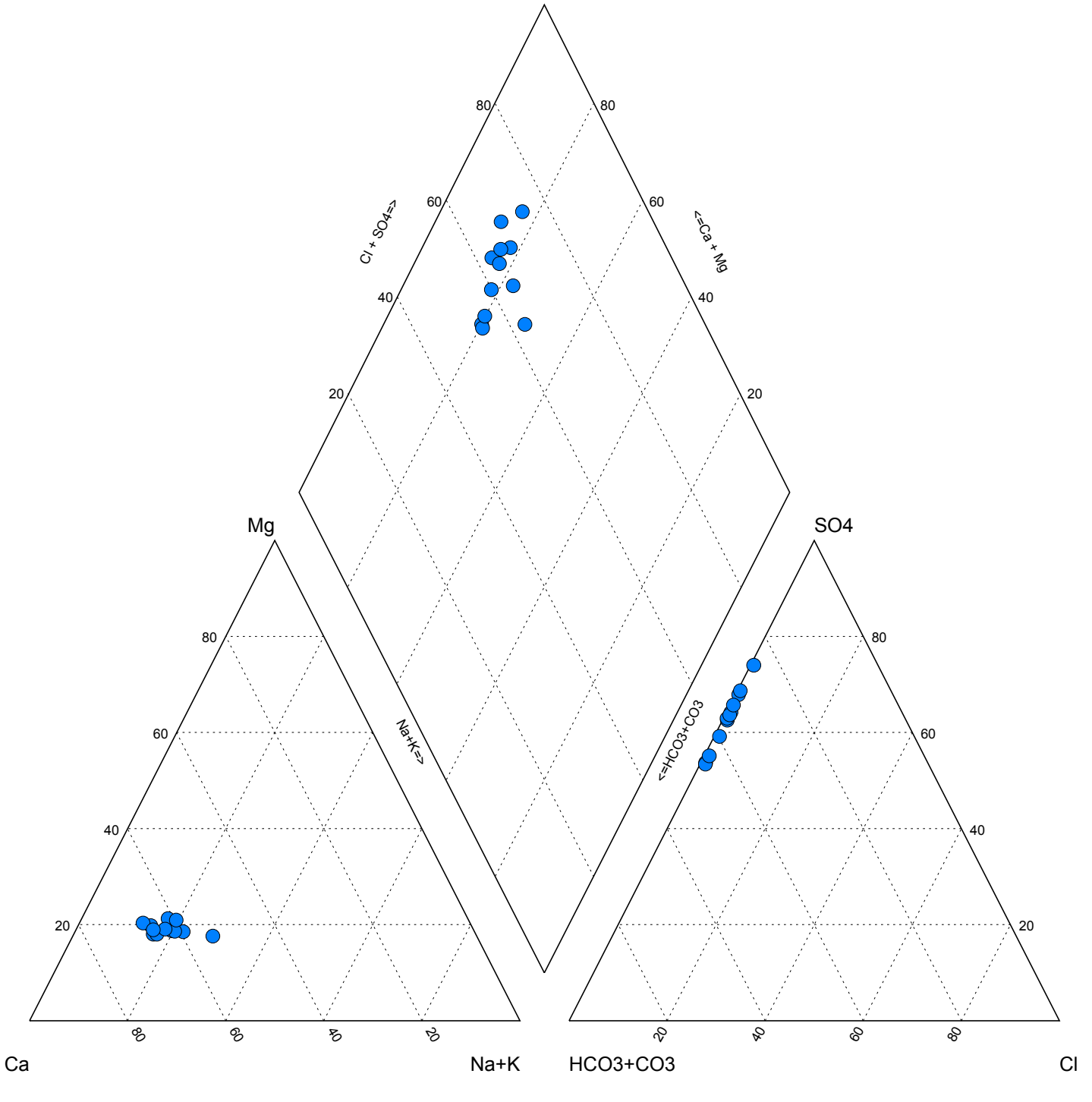
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well P0638m

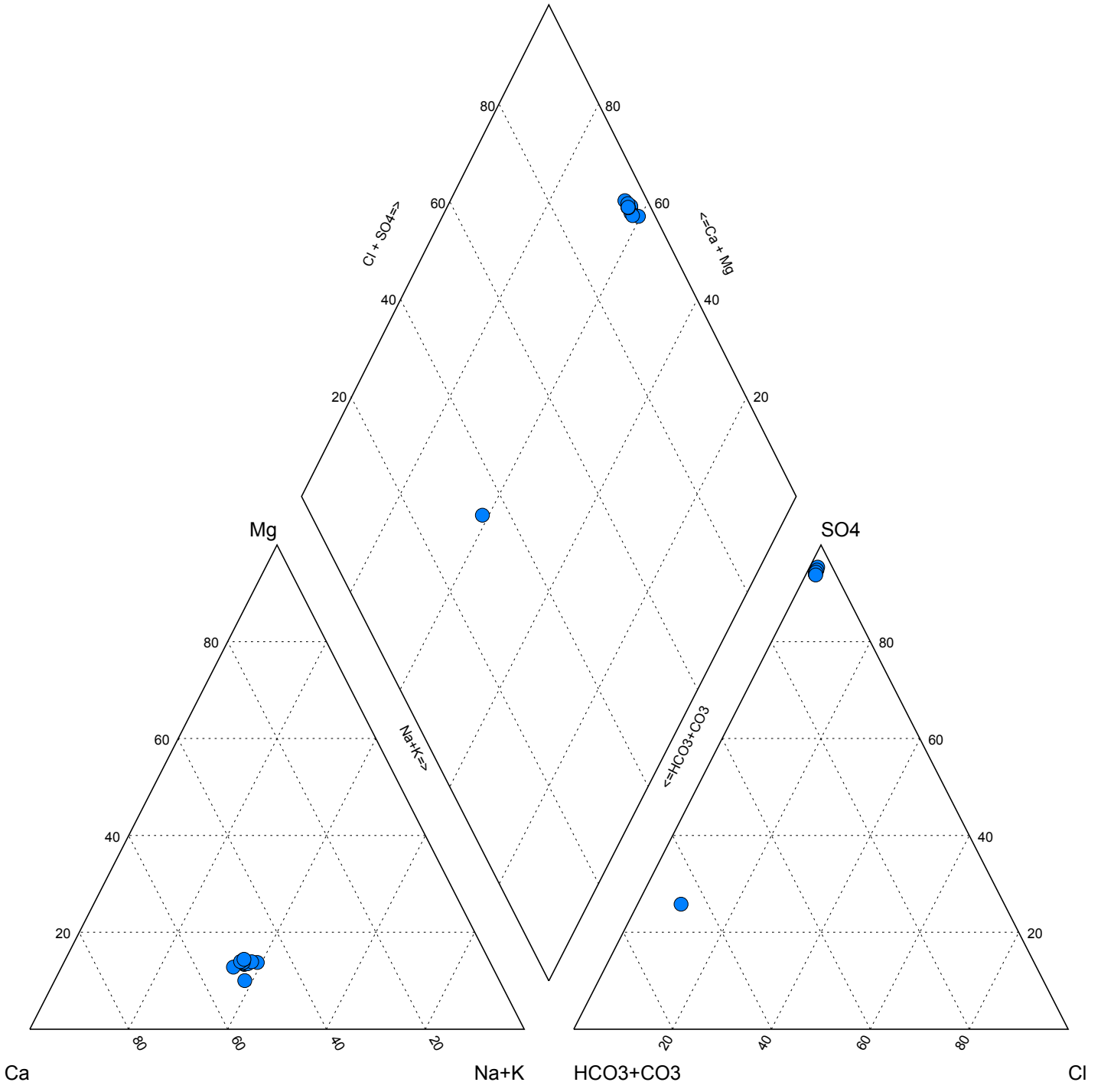
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well P4S

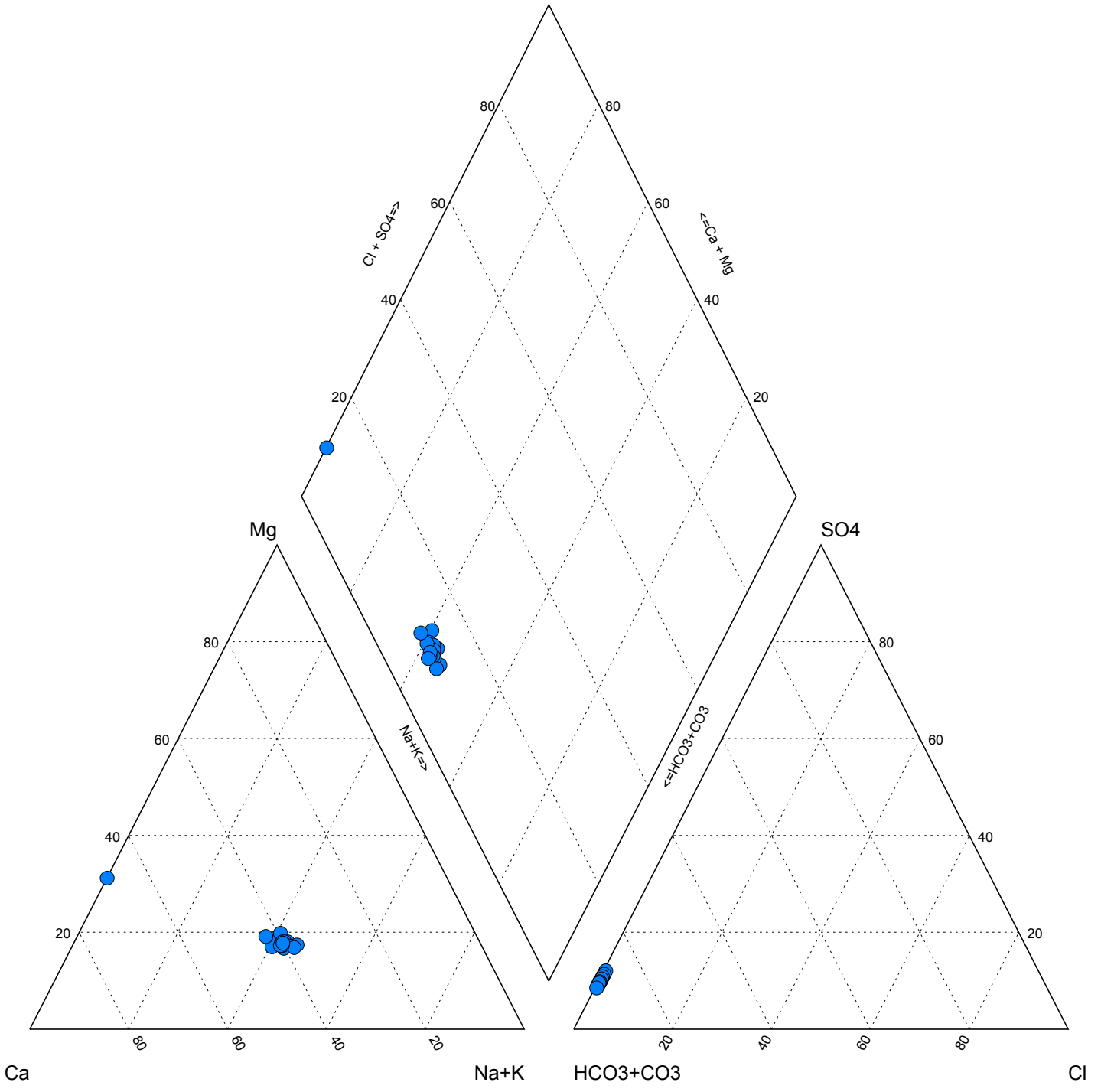
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well PQ4

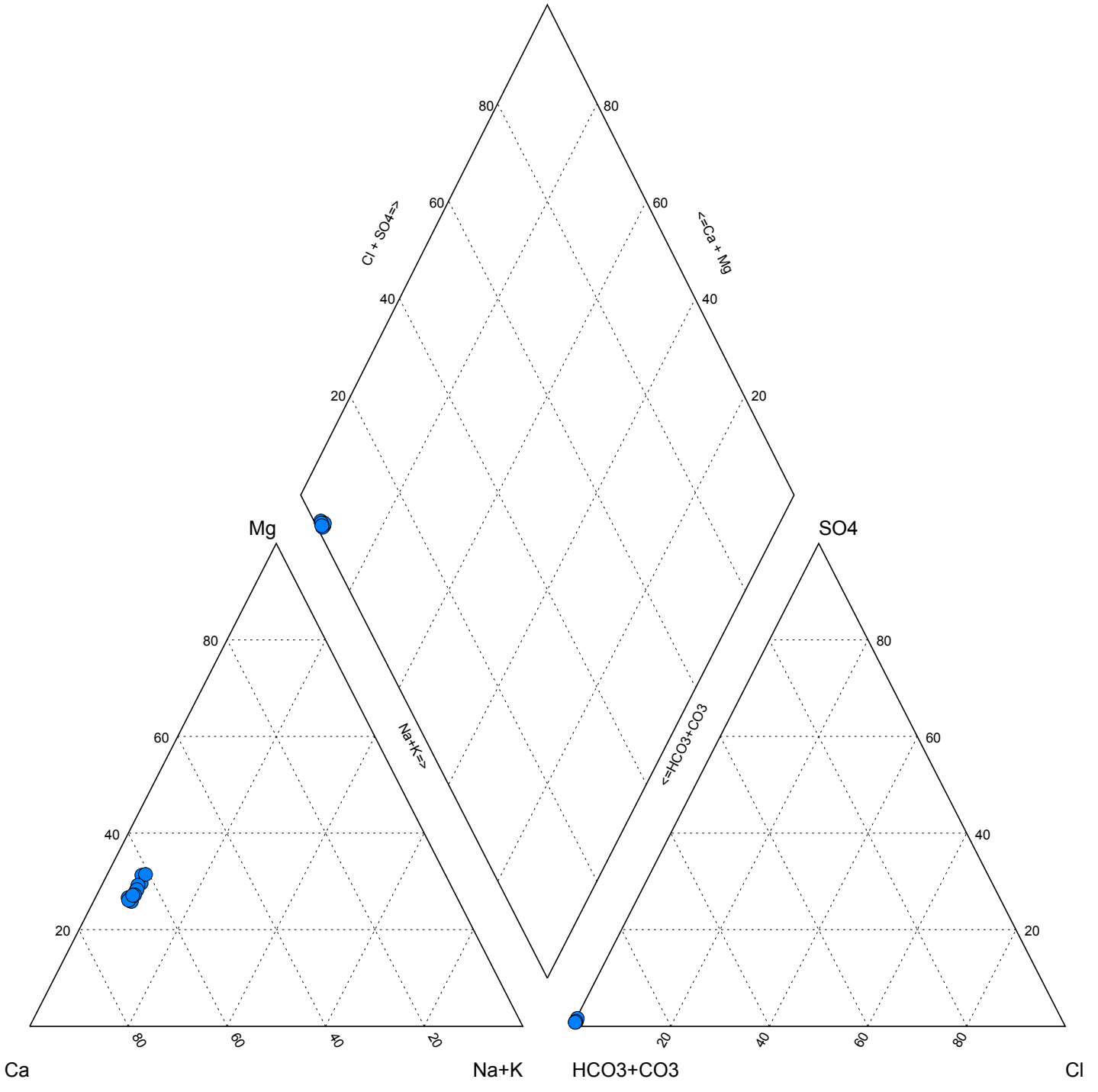
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well SRK2

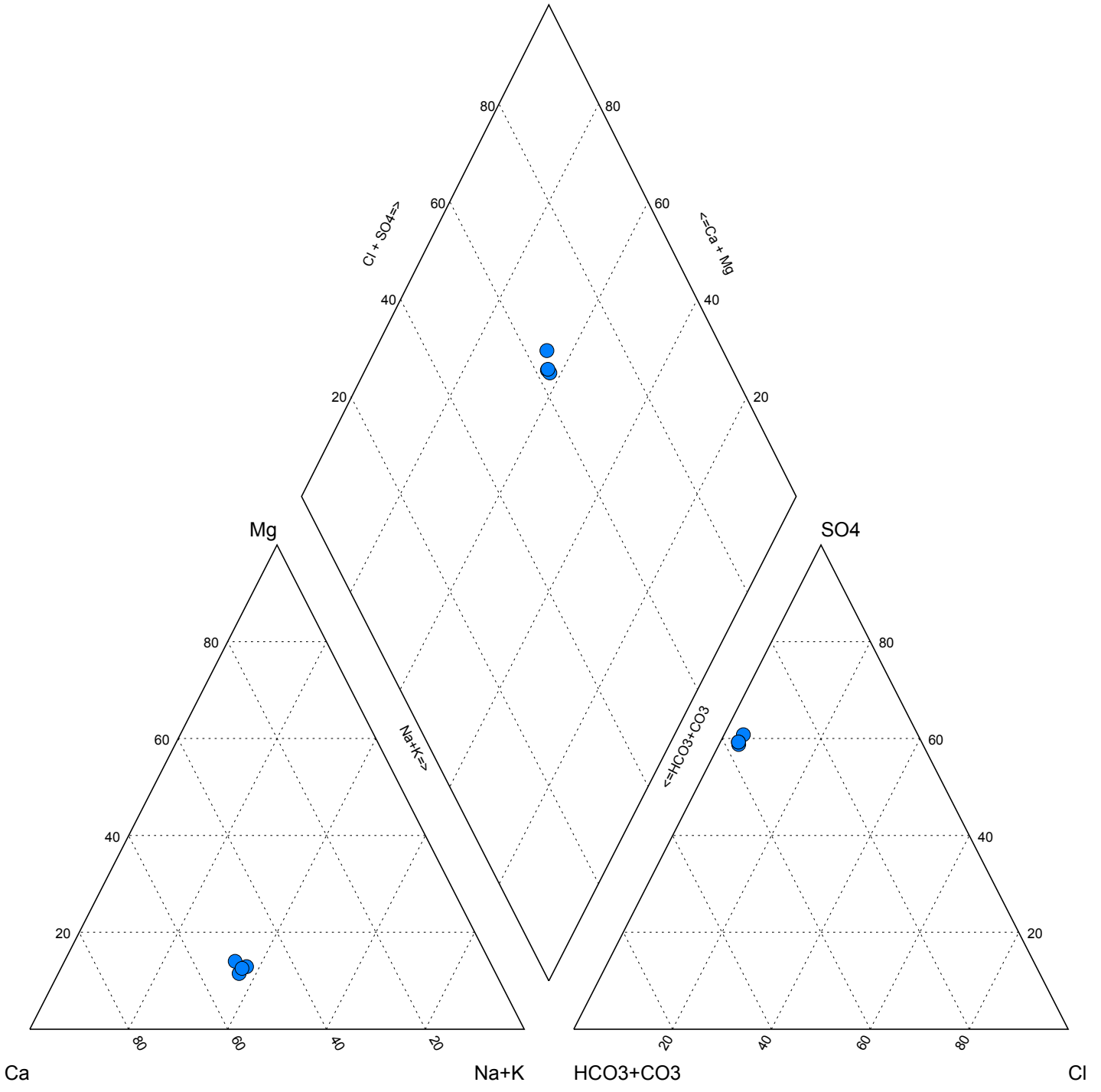
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well SRK3

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

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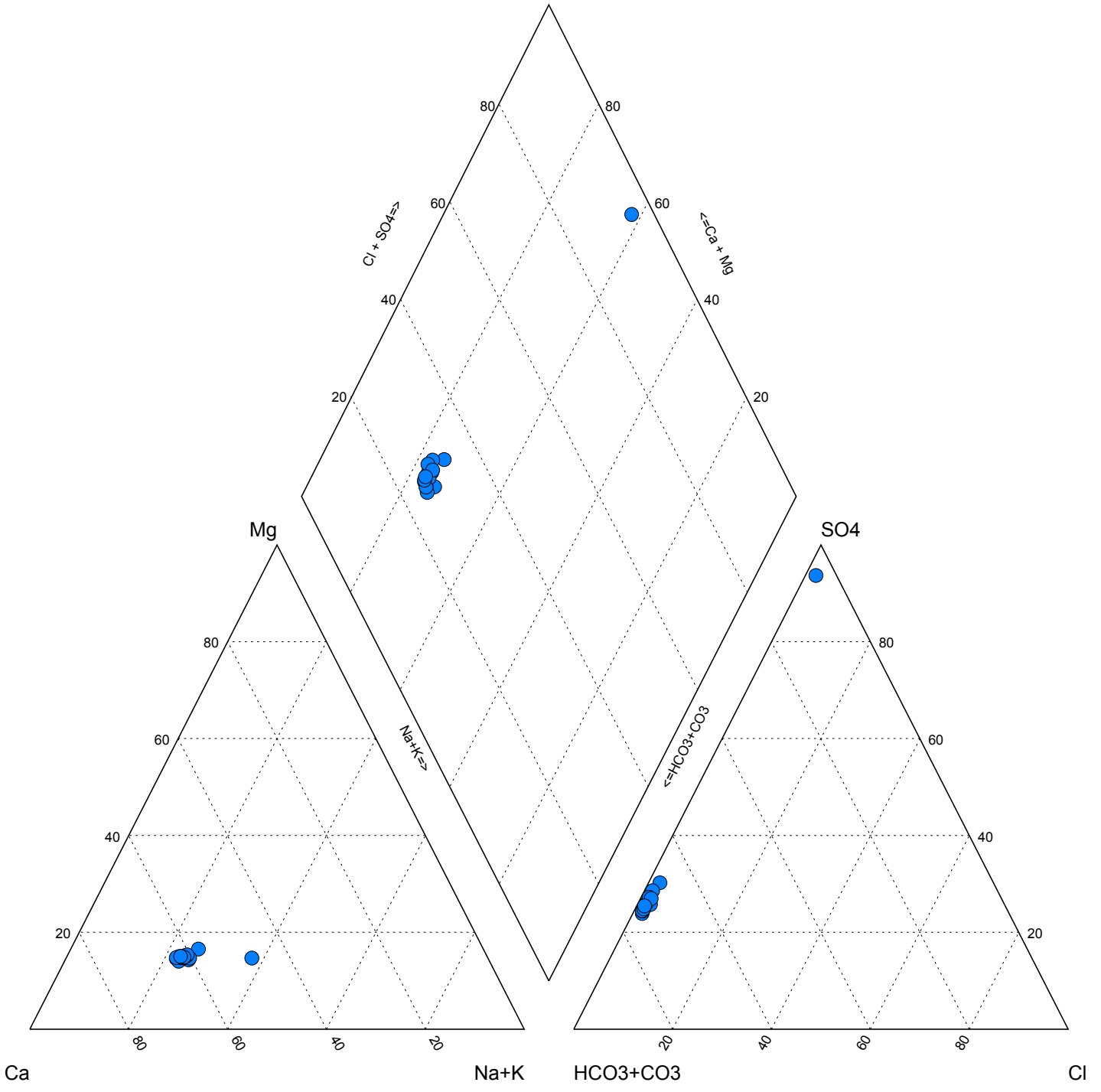
Appendix 9.2E
Piper Plot of Well SRK5D

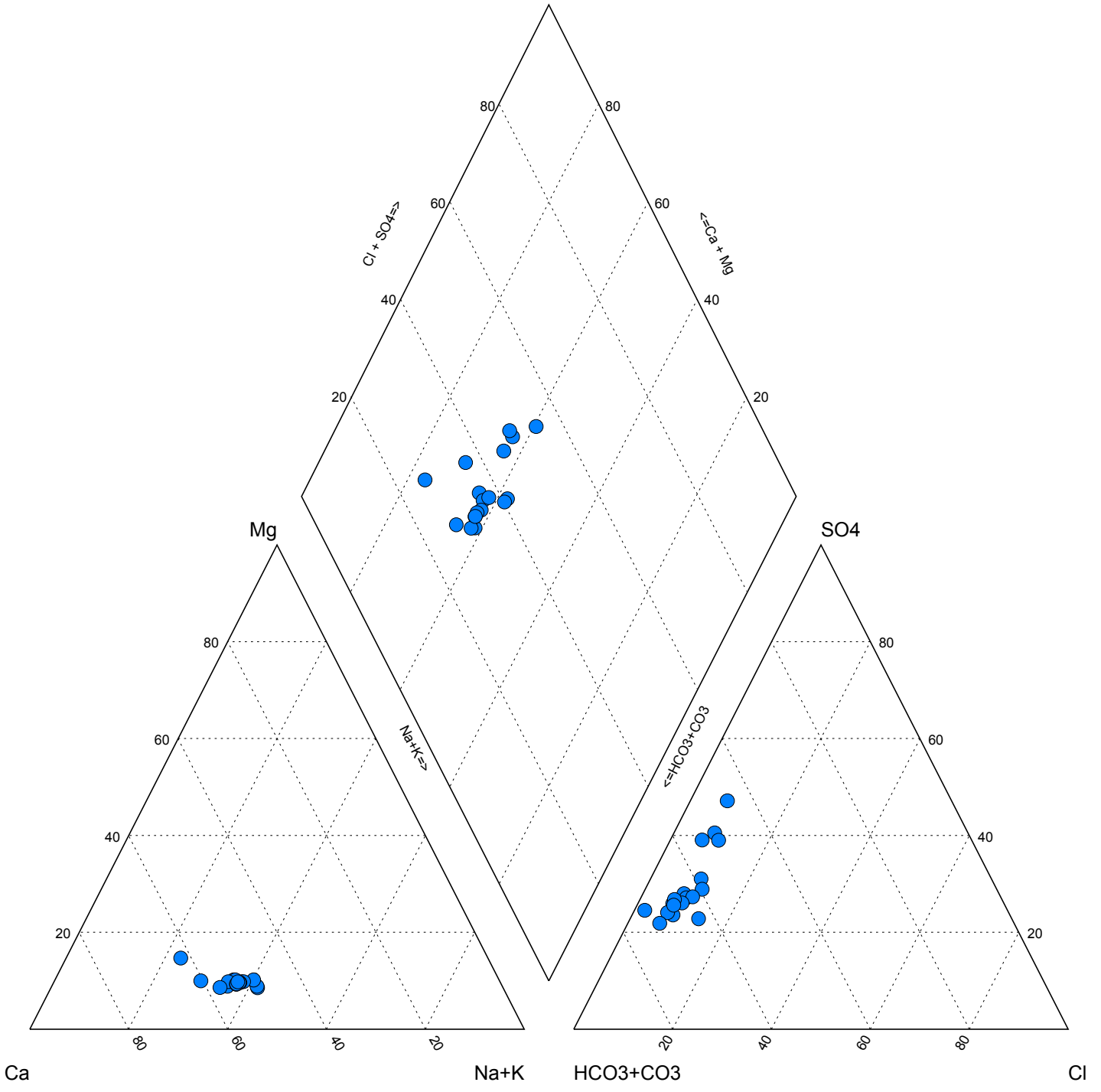
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well SRK5M

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. The data set includes all results for individual samples for the years 2004-2008.
2. The axes of the Piper Plot indicate percentage of total milli-equivalents of ions.

Appendix 9.2E
Piper Plot of Well SRK5S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

APPENDIX 9.2F

Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations, Mine Study Area 2004-2008

APPENDIX 9.2F
STIFF DIAGRAMS OF MAJOR IONS IN GROUNDWATER AT INDIVIDUAL MONITORING WELL LOCATIONS, MINE STUDY AREA (2004-2008)

Appendix 9.2F Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations, Mine Study Area (2004-2008)

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- March, 2007 11
- May, 2007 12
- August, 2007 13
- November, 2007 14
- March, 2008 15
- May, 2008 16
- August, 2008 17
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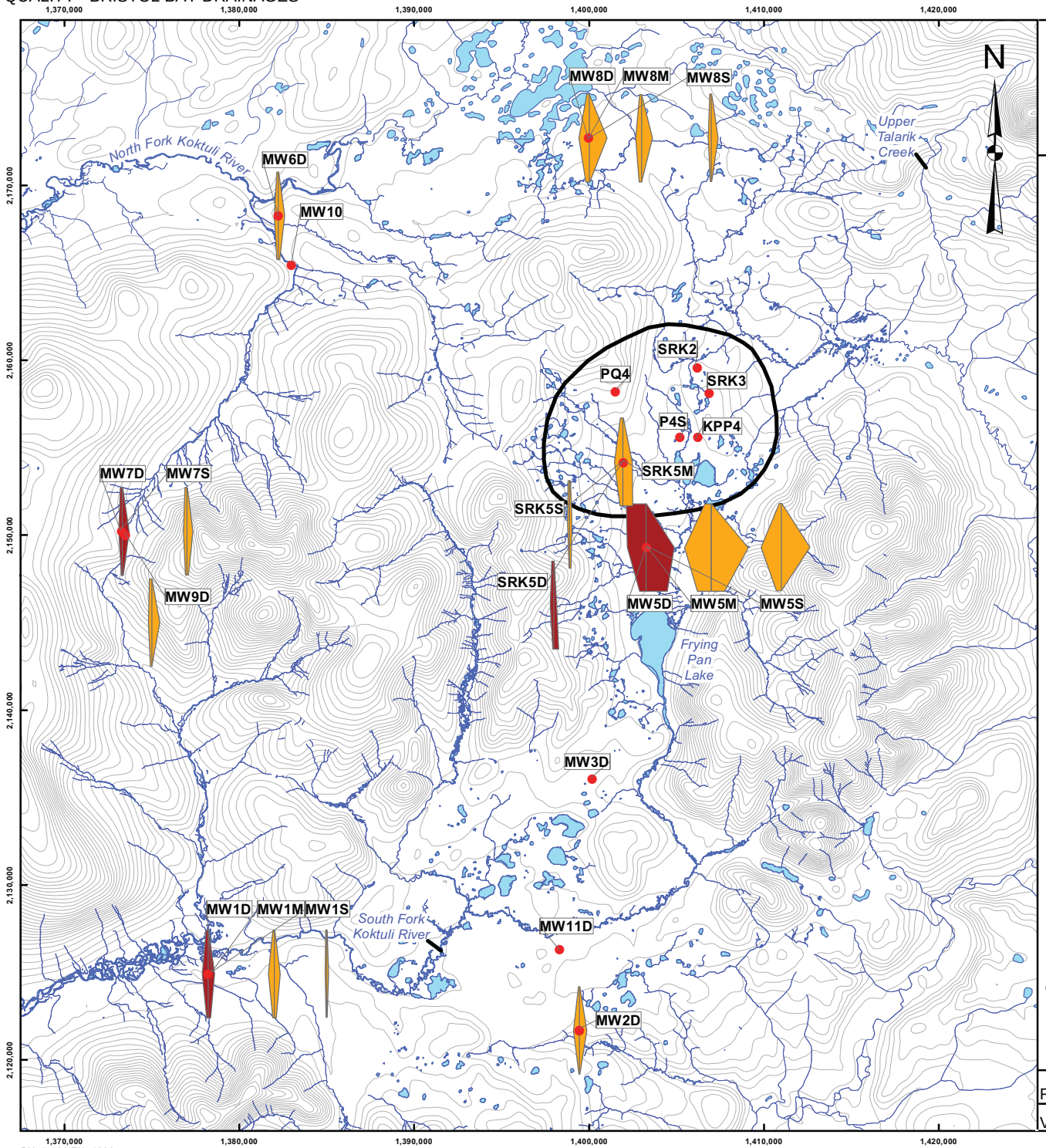

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Appendix 9.2F

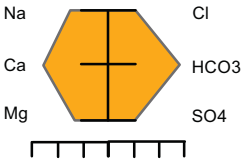
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in September, 2004

Legend

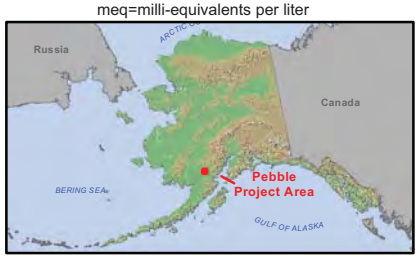
- Monitoring Well
- September 2004 Groundwater - Overburden
- September 2004 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



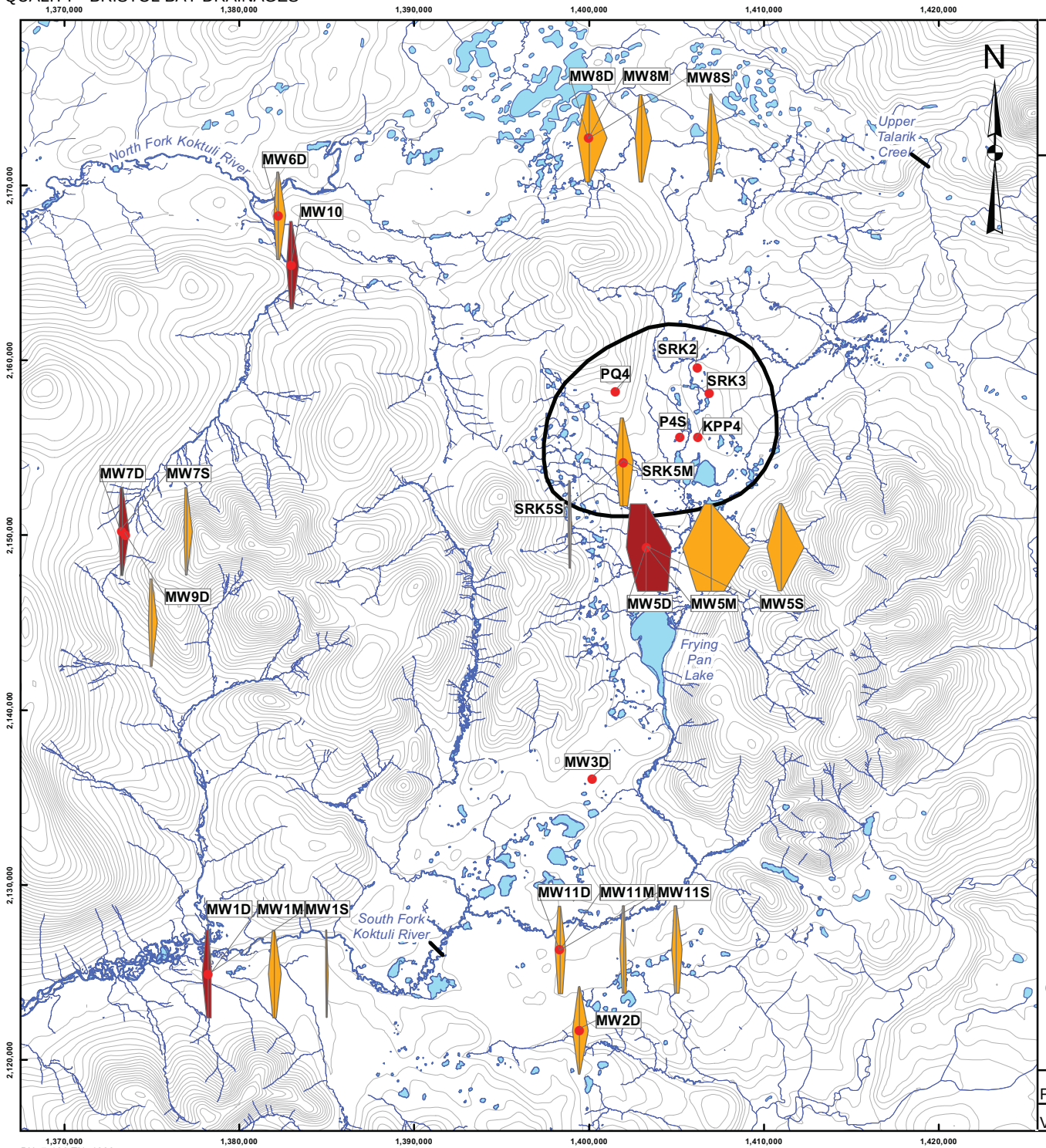
Feet
0 4,600 9,200 13,800 18,400

Meters
0 1,000 2,000 3,000 4,000

Scale 1:101,617

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

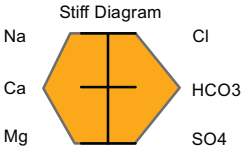
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in October, 2004

Legend

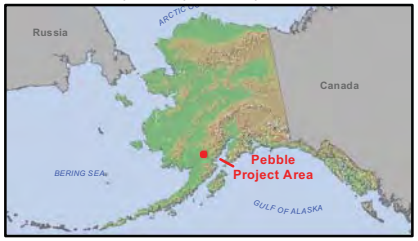
- October 2004 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



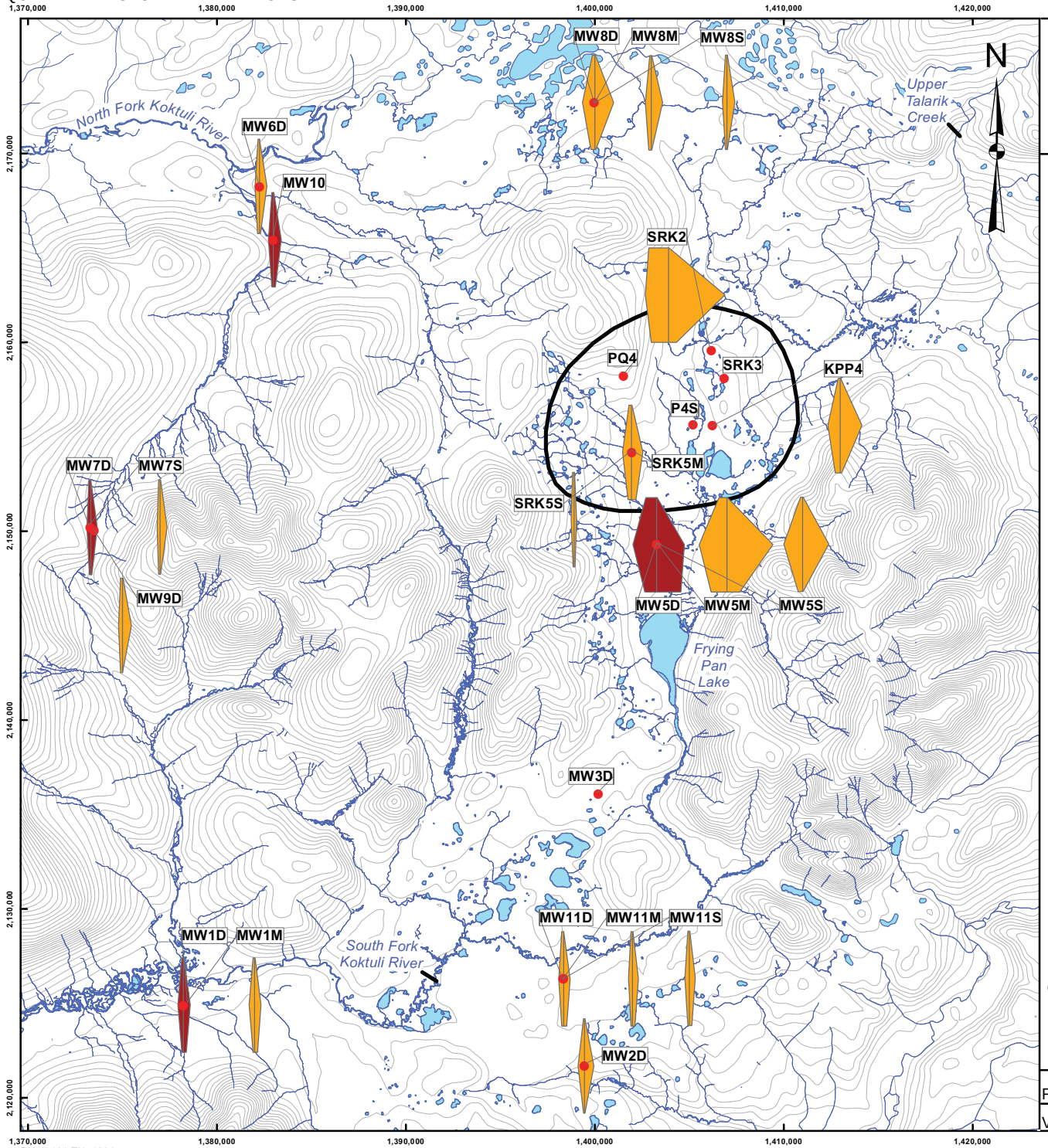
Feet
0 4,600 9,200 13,800 18,400

Meters
0 1,100 2,200 3,300 4,400

Scale 1:101,617

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



Appendix 9.2F

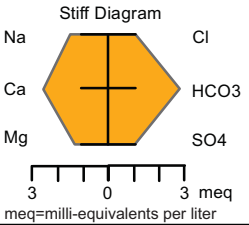
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in March, 2005

Legend

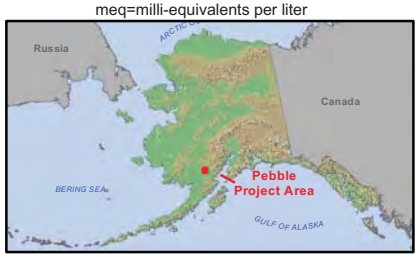
- Monitoring Well
- March 2005 Groundwater - Overburden
- March 2005 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

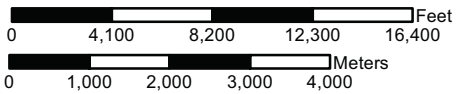
Notes:

1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
   S: shallow
   M: medium or intermediate
   D: deep.



meq=milli-equivalents per liter

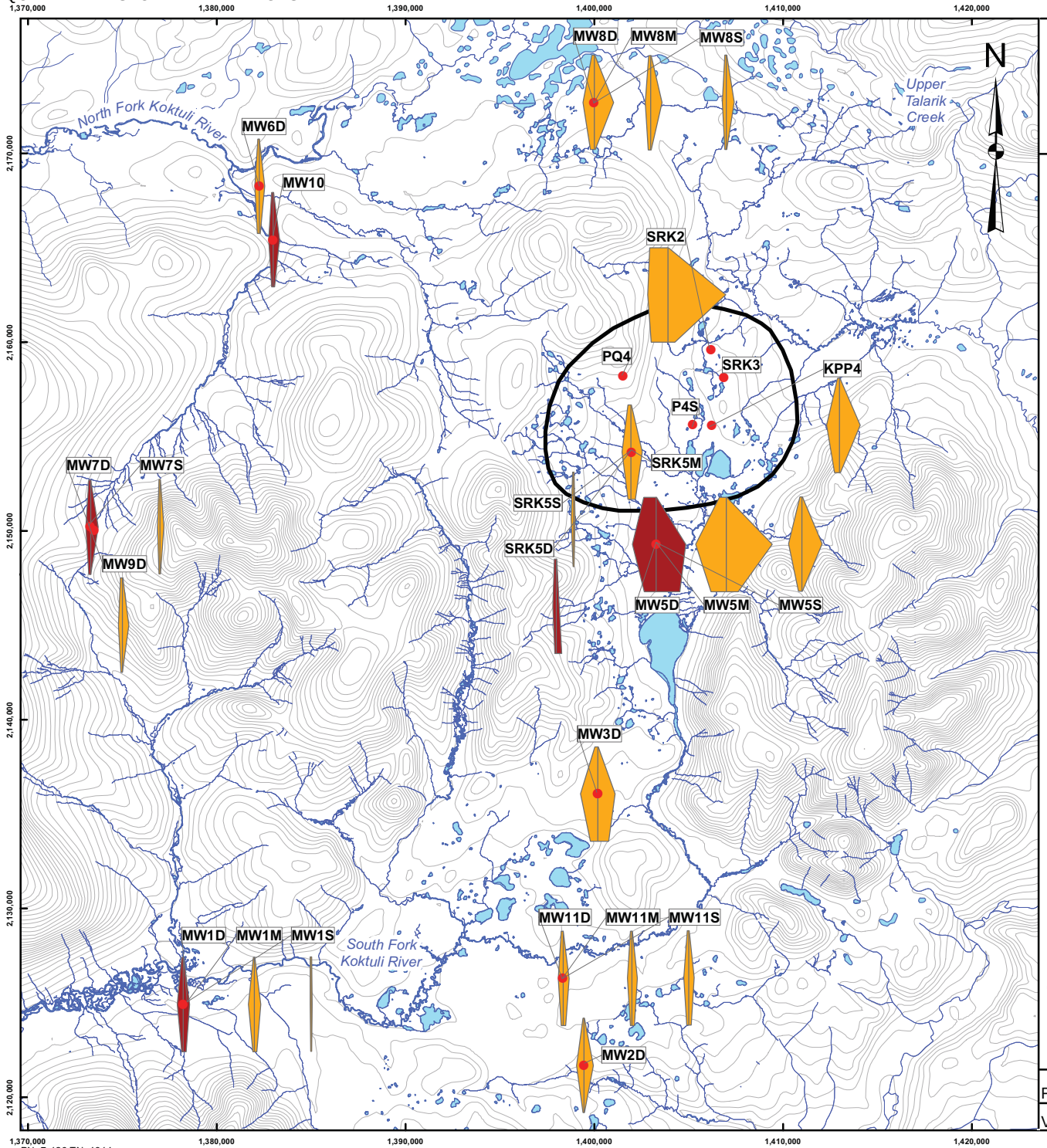




Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

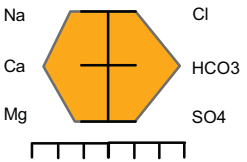
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in May, 2005

Legend

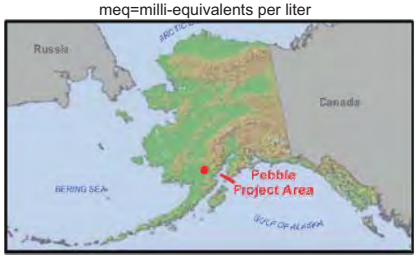
- Monitoring Well
- May 2005 Groundwater - Bedrock
- May 2005 Groundwater - Overburden
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



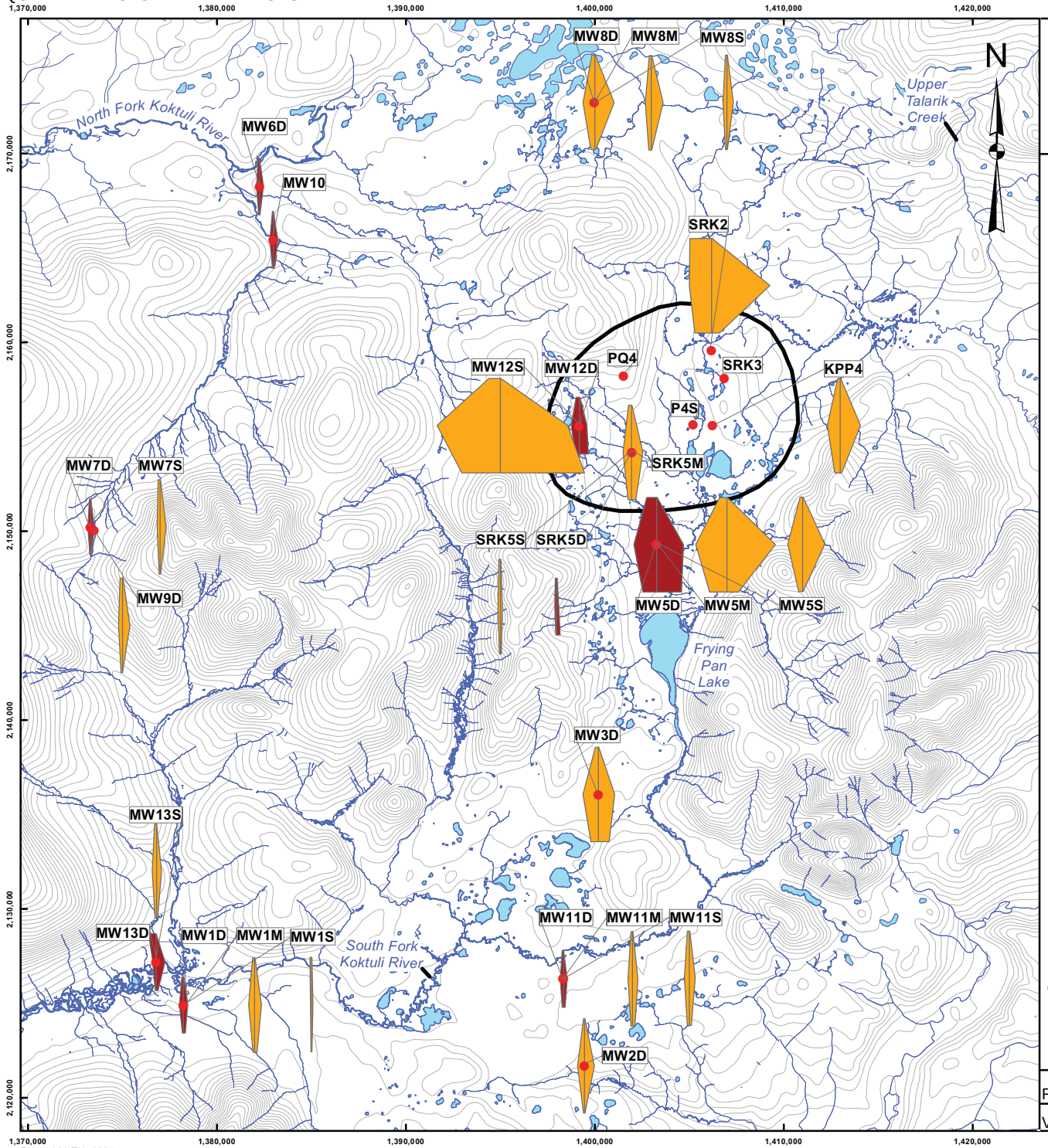
Feet
0 4,100 8,200 12,300 16,400

Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

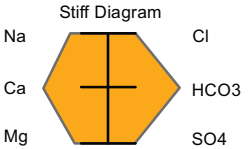
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in August, 2005

Legend

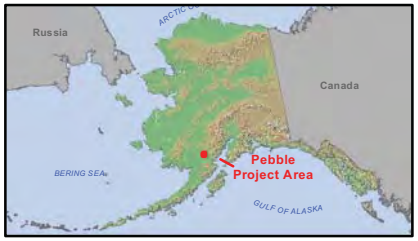
- Monitoring Well
- August 2005 groundwater - Overburden
- August 2005 groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



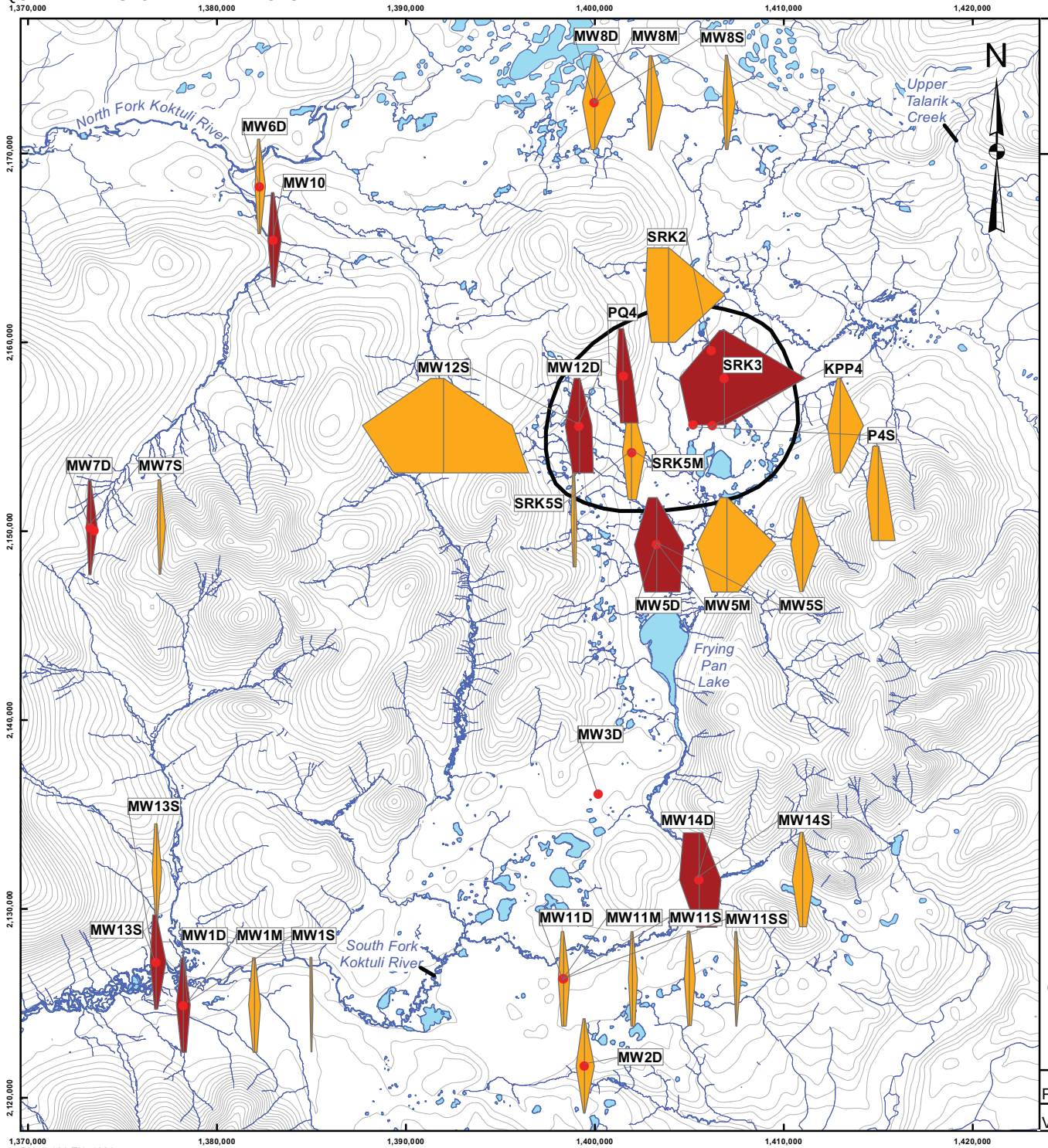
Feet
0 4,000 8,000 12,000 16,000

Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

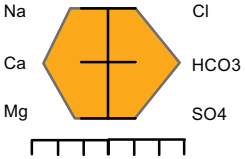
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in November, 2005

Legend

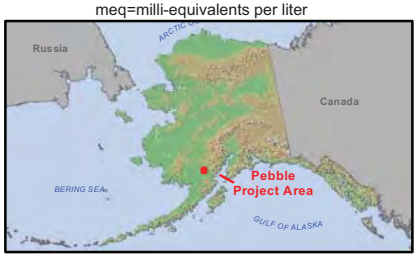
- Monitoring Well
- November 2005 Groundwater - Overburden
- November 2005 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

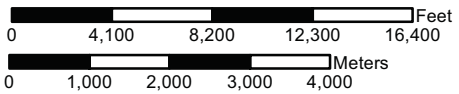
Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter

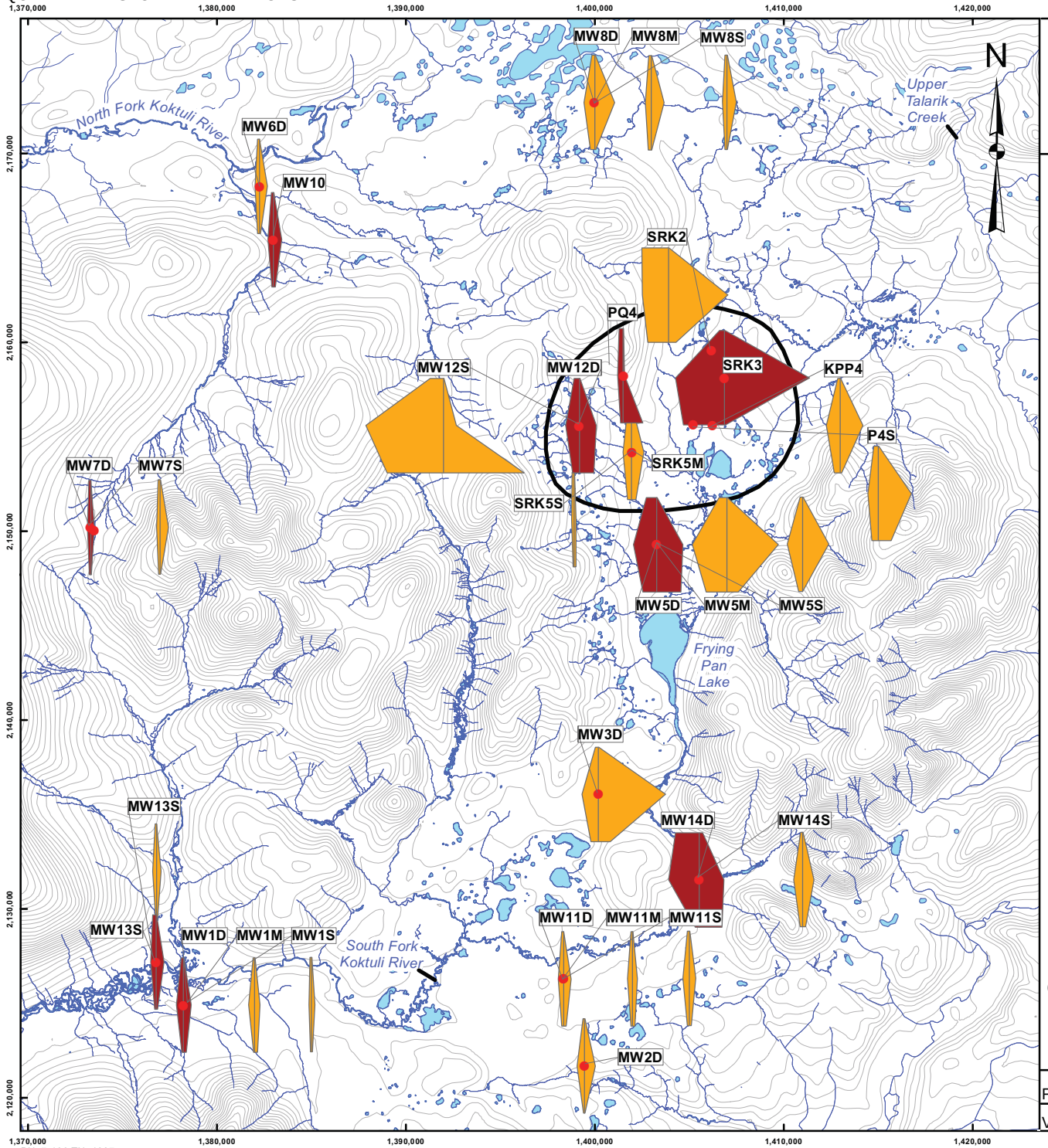




Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

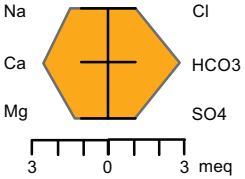
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in March, 2006

Legend

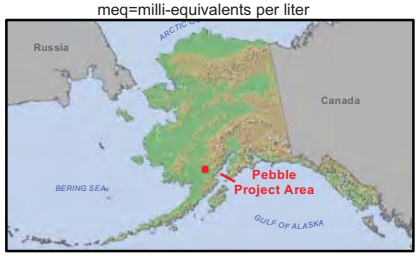
- Monitoring Well
- March 2006 Groundwater - Overburden
- March 2006 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



Feet
0 4,100 8,200 12,300 16,400

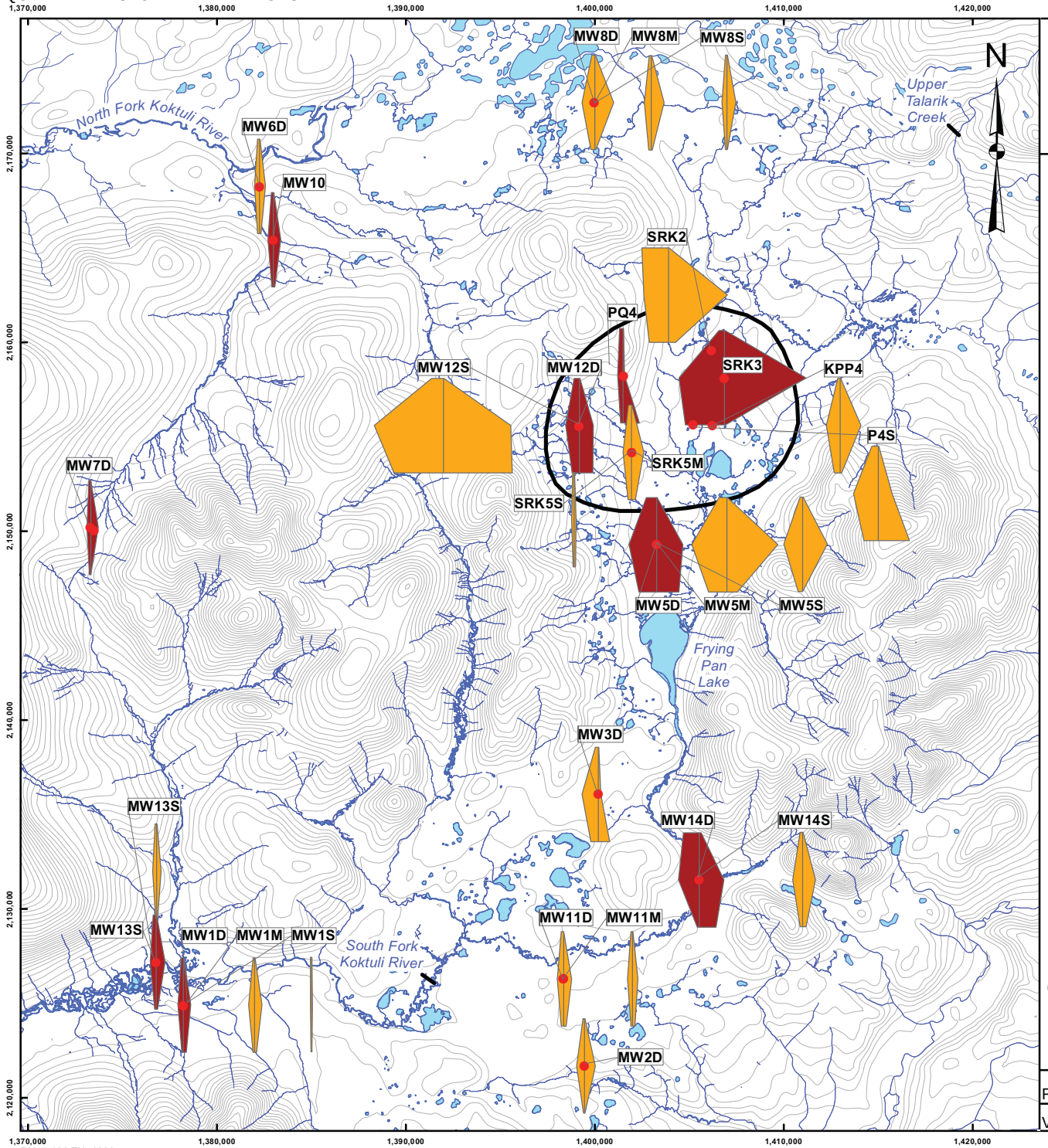
Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL

PN: 7-126 TN: 4287



PN: 7-126 TN: 4288

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Appendix 9.2F

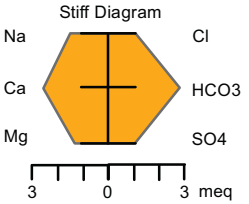
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in May, 2006

Legend

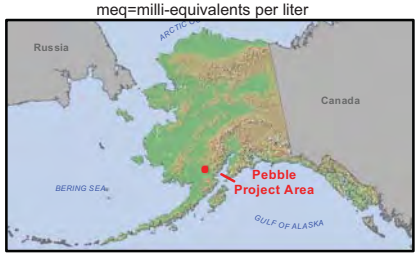
- Monitoring Well
- May 2006 Groundwater - Overburden
- May 2006 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



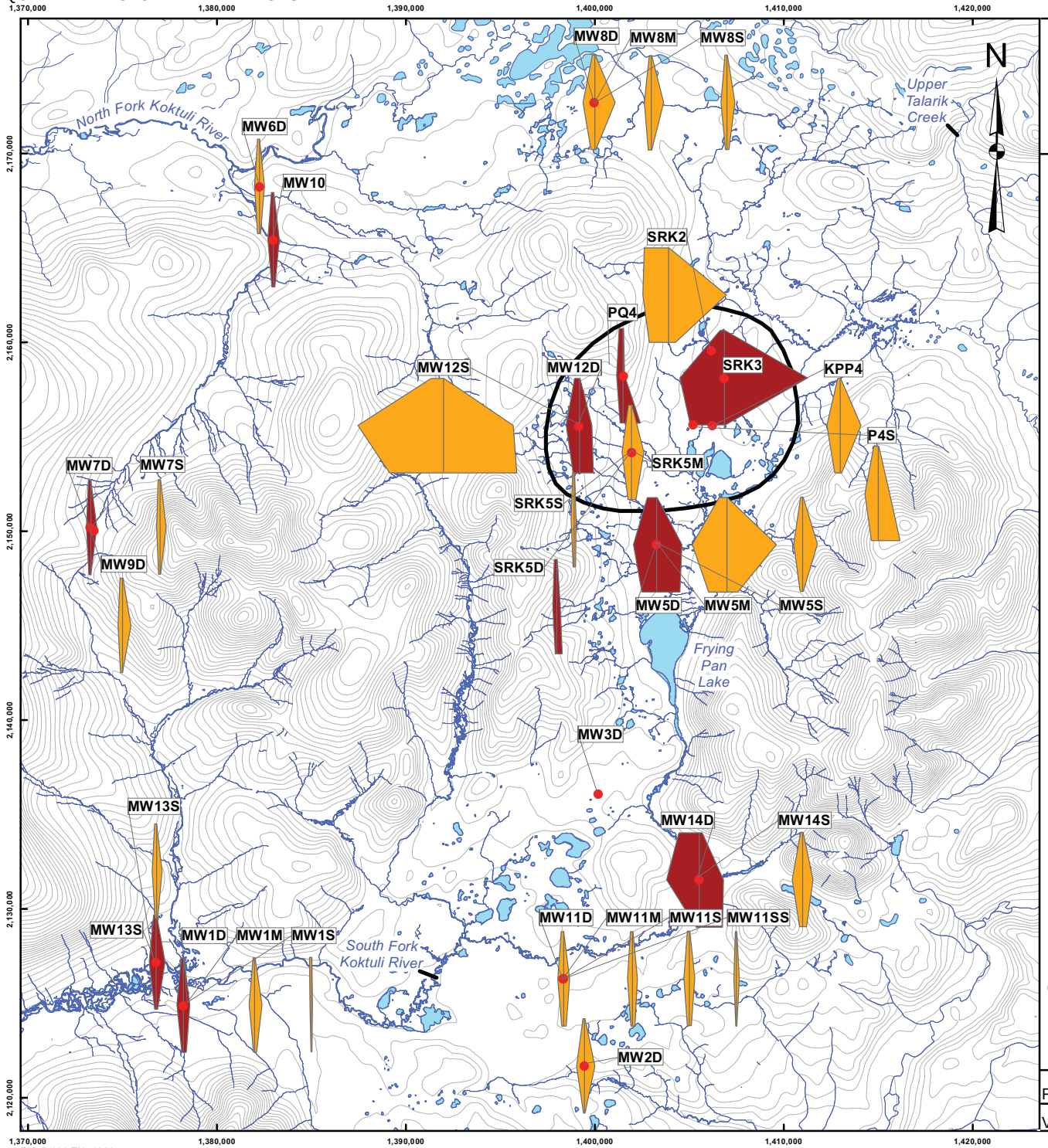
Feet
0 4,100 8,200 12,300 16,400

Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

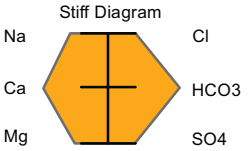
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in August, 2006

Legend

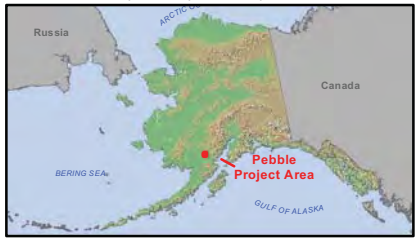
- Monitoring Well
- August 2006 Groundwater - Overburden
- August 2006 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

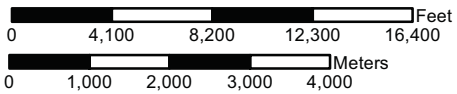
Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



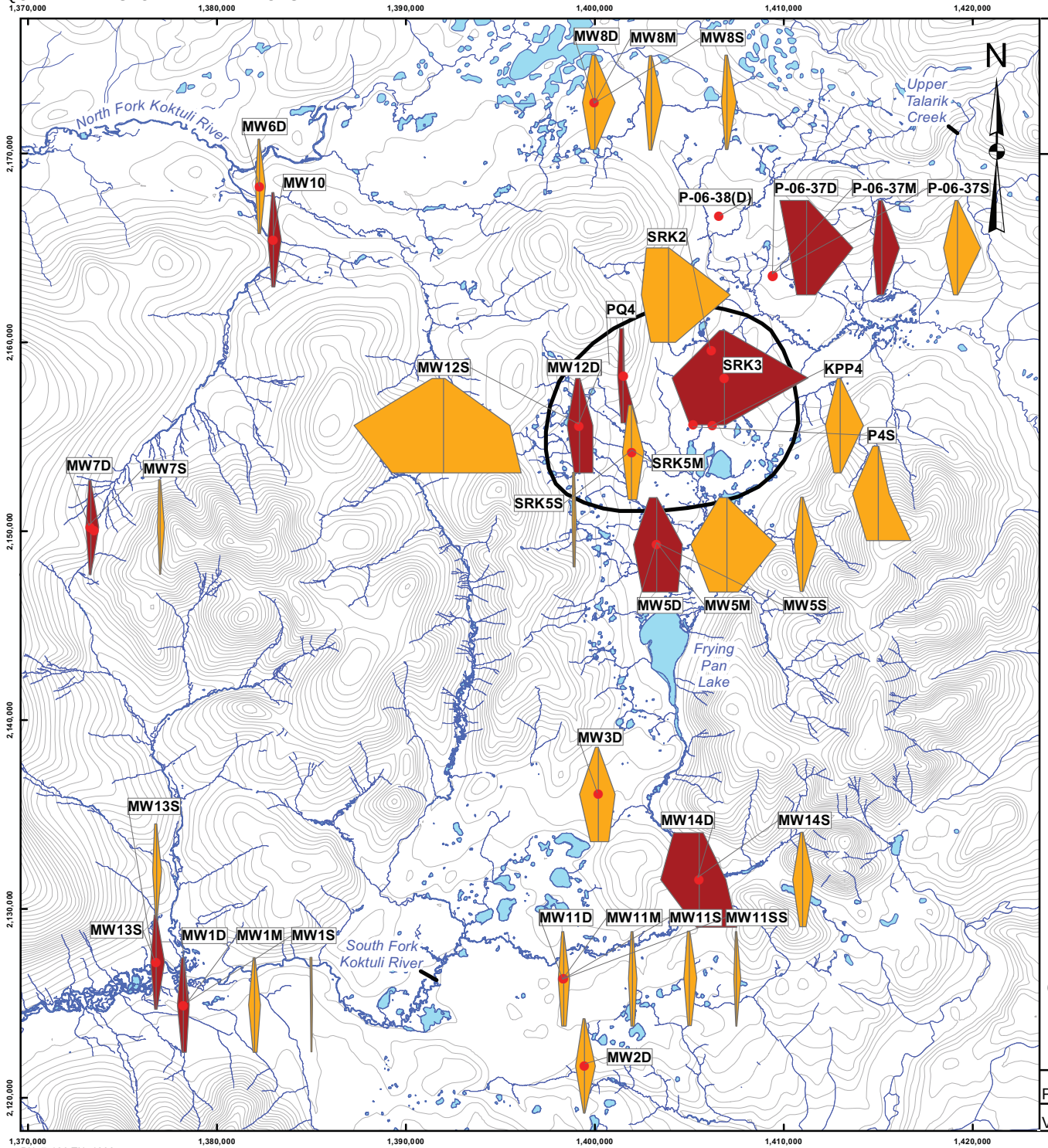


Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL

PN: 7-126 TN: 4289



PN: 7-126 TN: 4290

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Appendix 9.2F

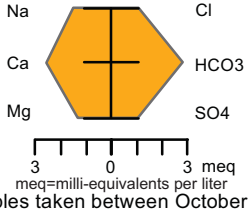
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in November, 2006

Legend

- Monitoring Well
- November 2006 Groundwater - Overburden
- November 2006 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

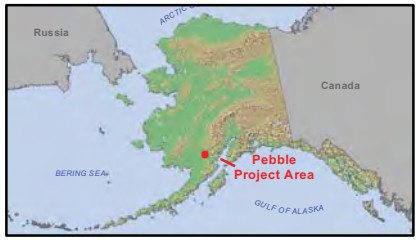
Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

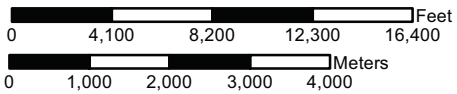
Stiff Diagram



meq=milli-equivalents per liter

Note: Samples taken between October 25, 2006 and November 2, 2006.

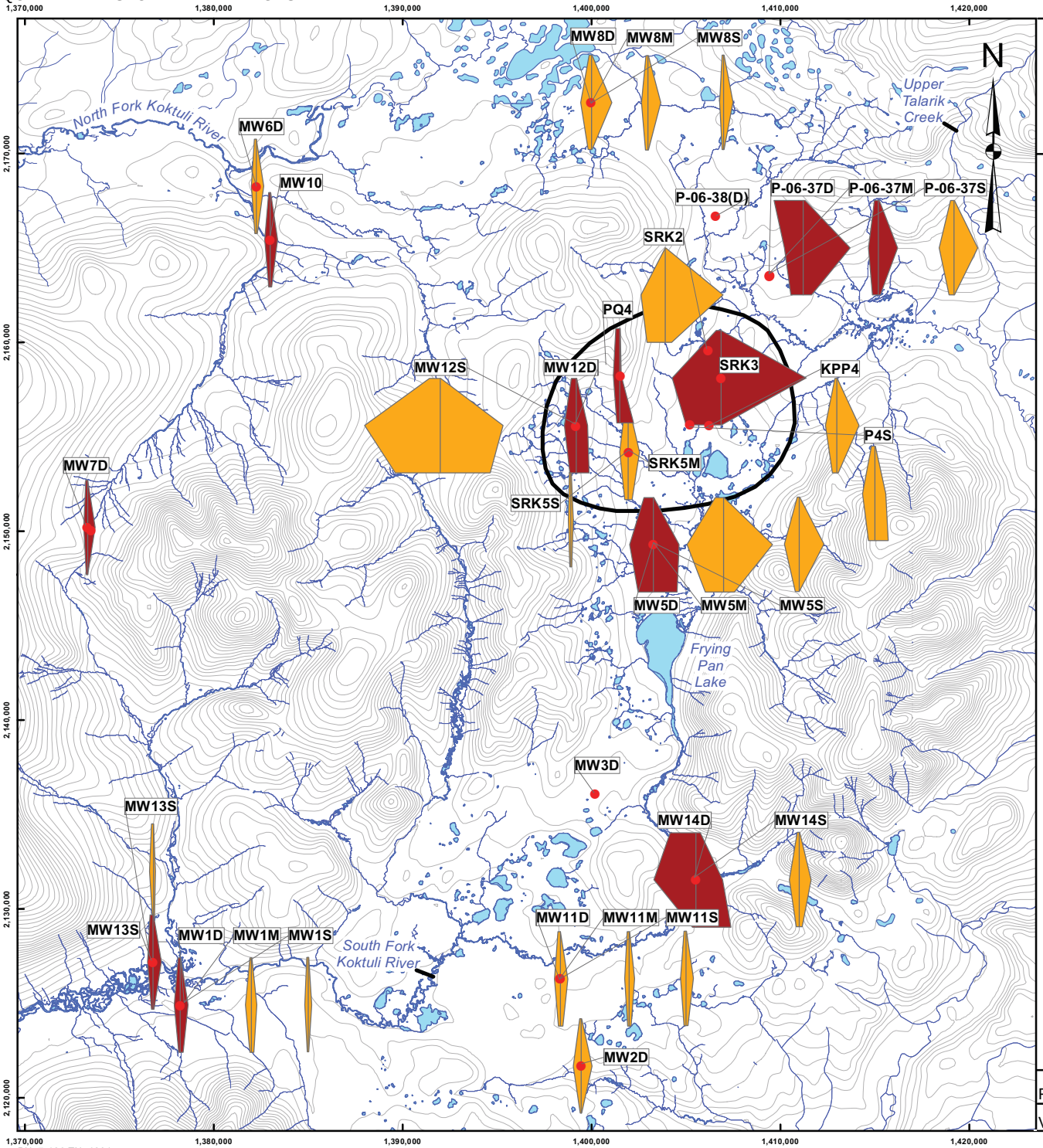




Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



PN: 7-126 TN: 4291

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Appendix 9.2F

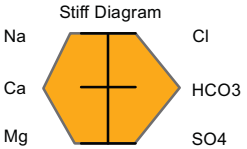
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in March, 2007

Legend

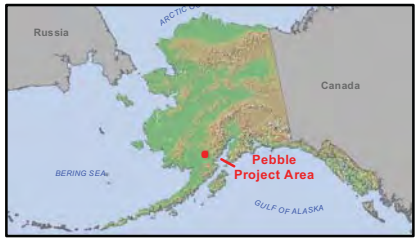
- Monitoring Well
- March 2007 Groundwater - Overburden
- March 2007 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

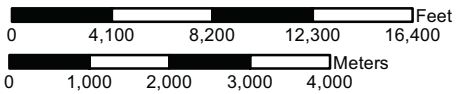
Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter

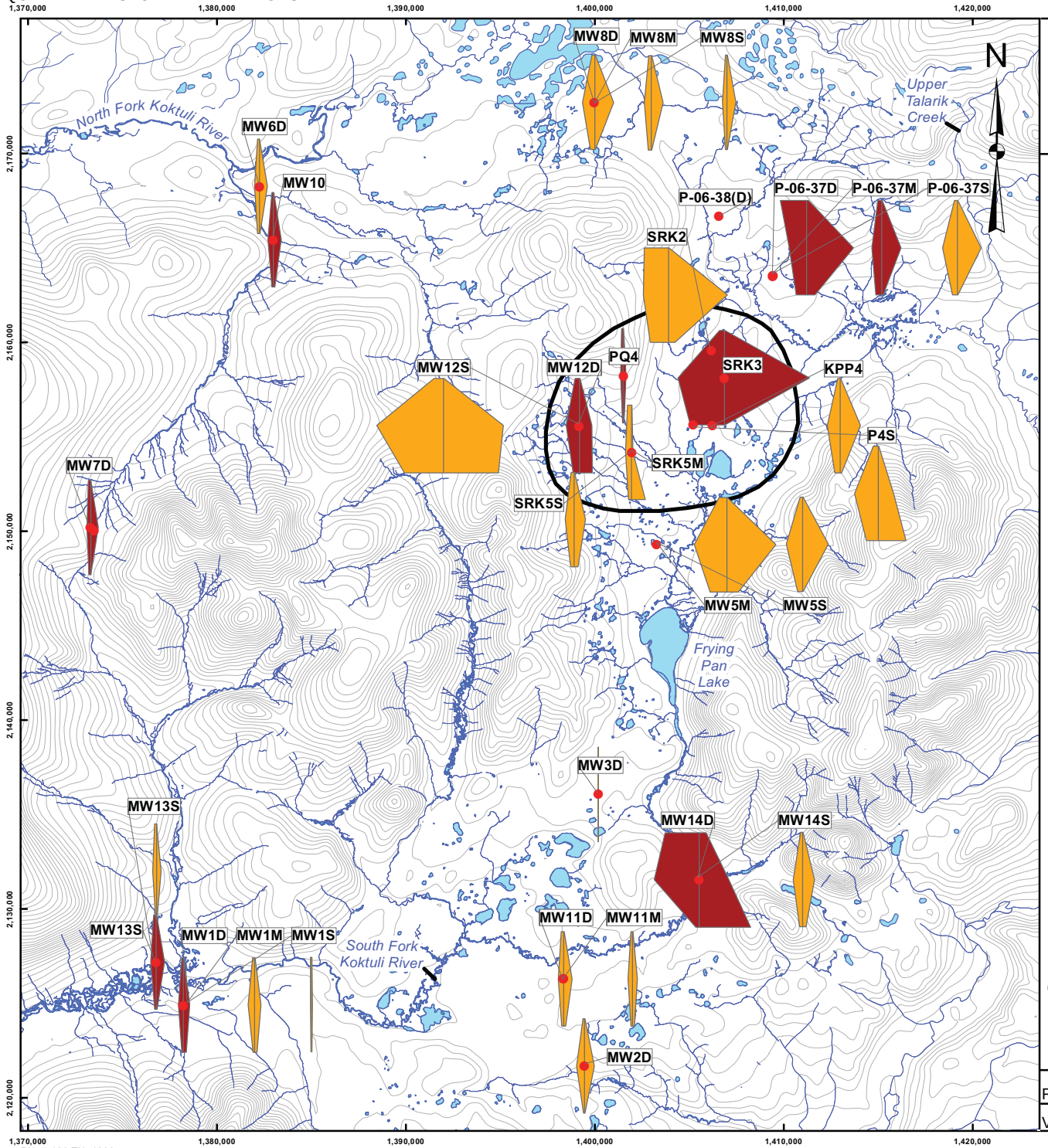




Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July, 2011
Version: 1	Author: SWS-BL



PN: 7-126 TN: 4292

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Appendix 9.2F

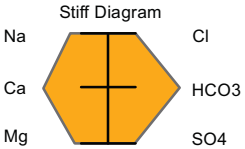
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in May, 2007

Legend

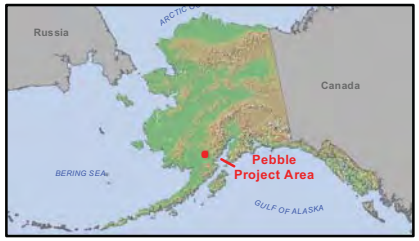
- Monitoring Well
- May 2007 groundwater - Overburden
- May 2007 groundwater - bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



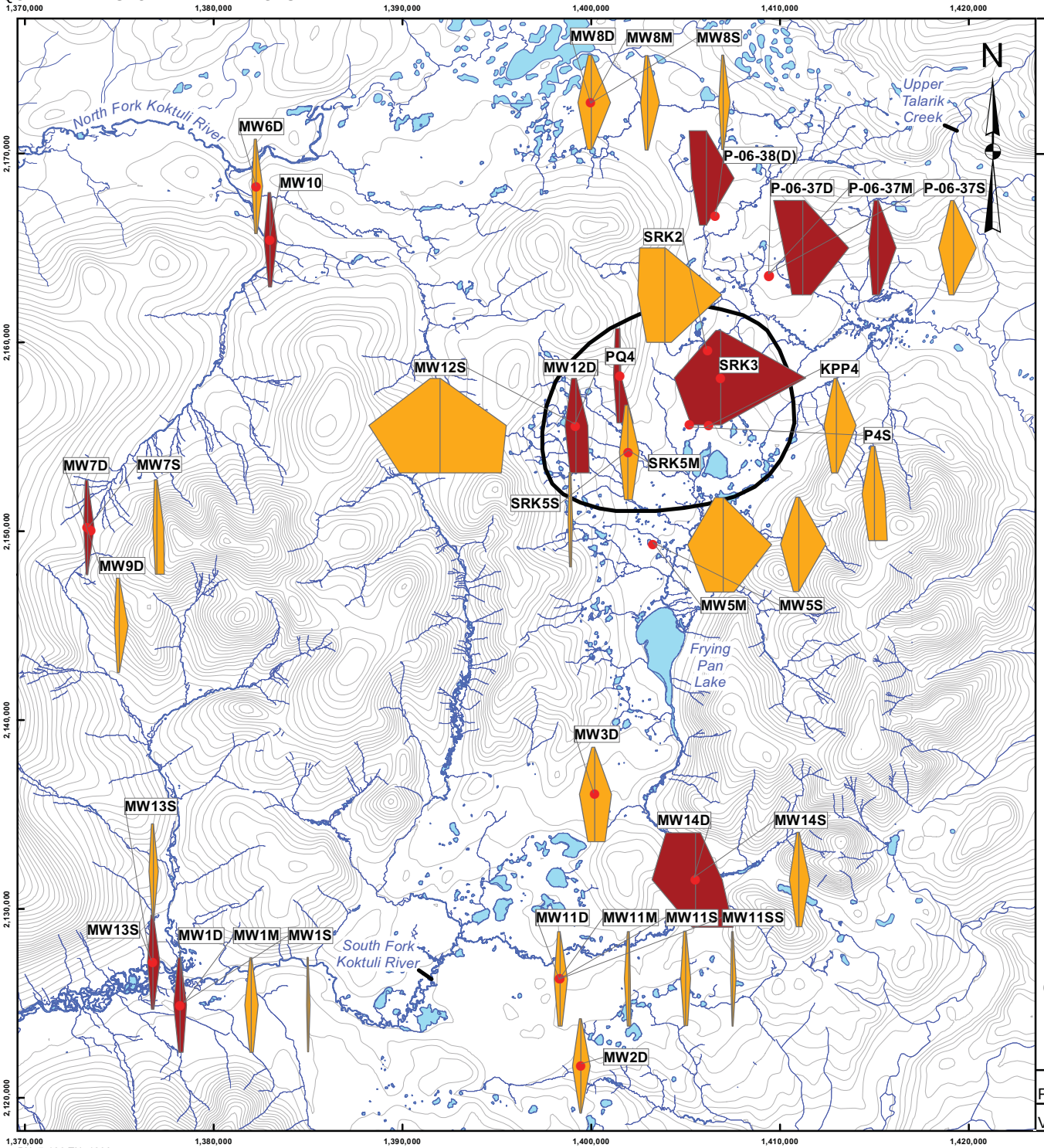
Feet
0 4,100 8,200 12,300 16,400

Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



PN: 7-126 TN: 4293

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Appendix 9.2F

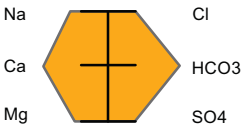
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in August, 2007

Legend

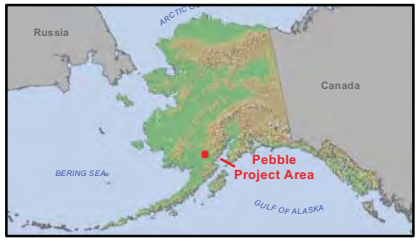
- Monitoring Well
- August 2007 Groundwater - Overburden
- August 2007 Groundwater - Bedrock
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



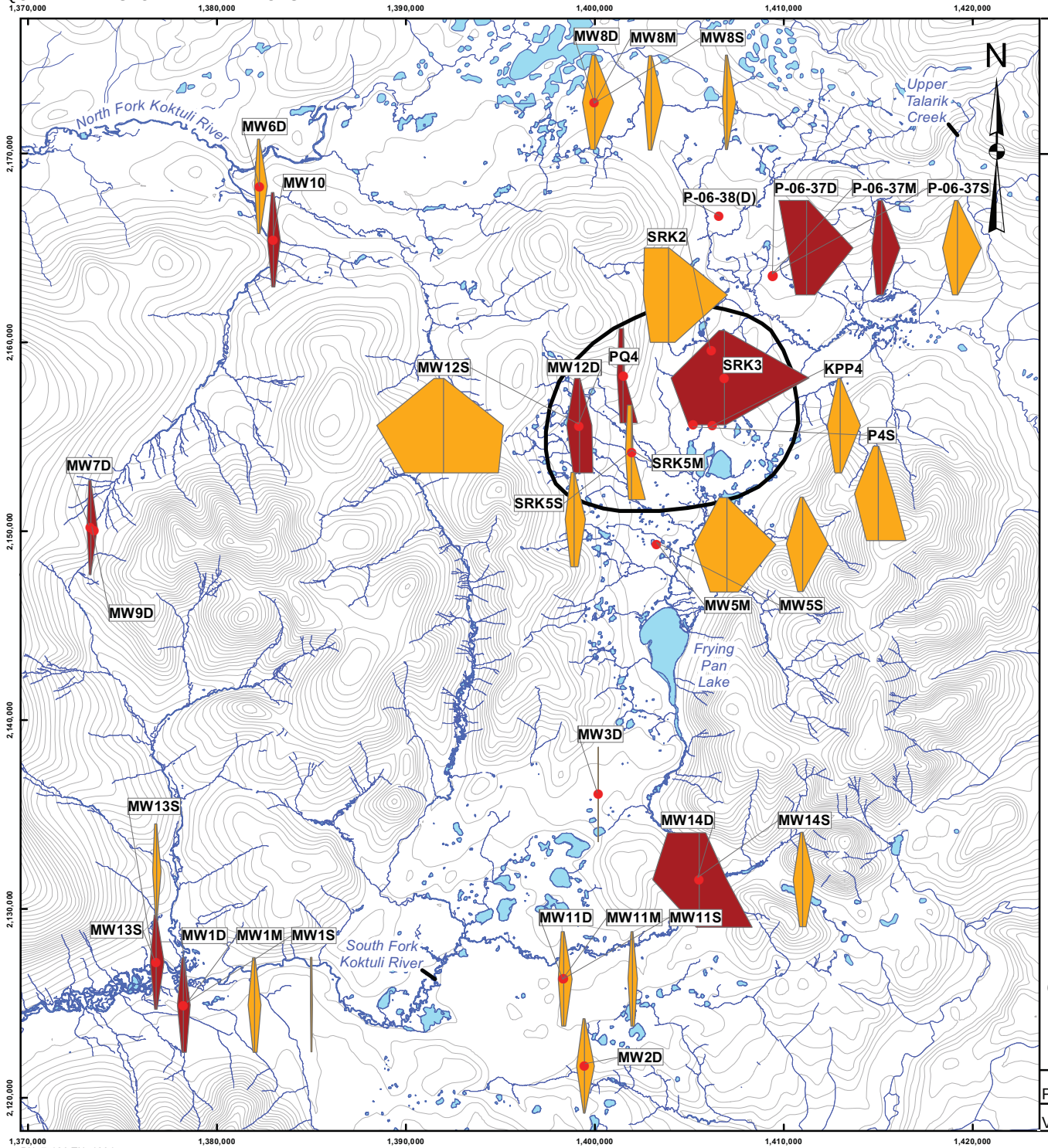
Feet
0 4,100 8,200 12,300 16,400

Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

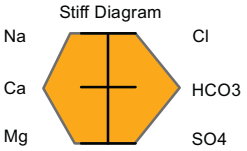
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in November, 2007

Legend

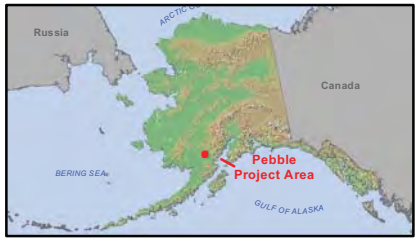
- Monitoring Well
- November 2007 groundwater - Overburden
- November 2007 groundwater - Bedrock
- General Deposit Location
- Rivers
- Lakes
- 50 ft Contour Interval

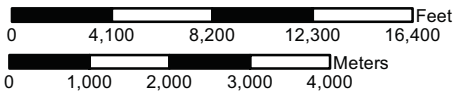
Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter

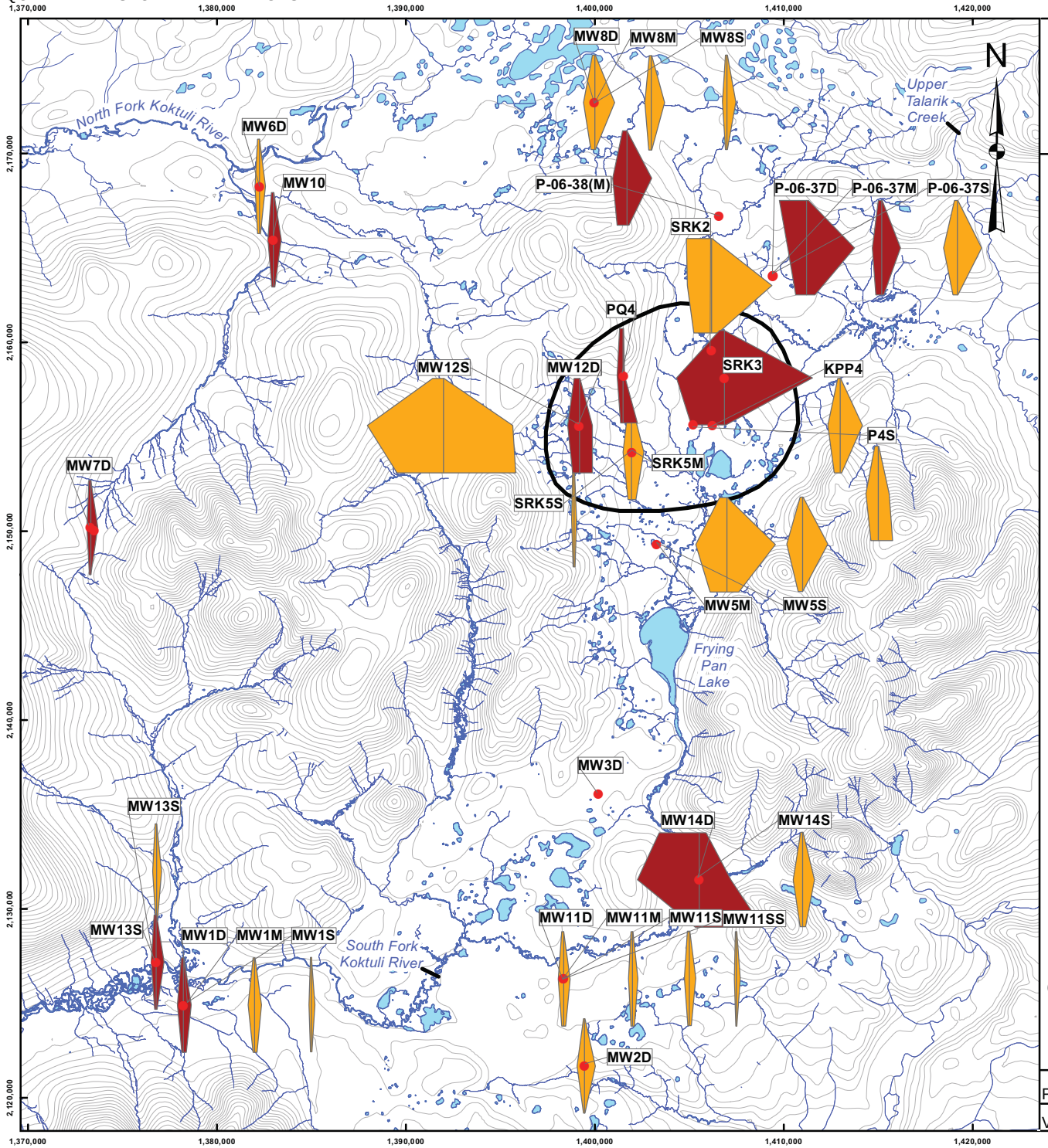




Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in March, 2008

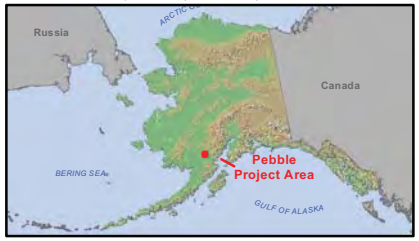
Legend

- Monitoring Well
- March 2008 Groundwater - Bedrock
- March 2008 Groundwater - Overburden
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram

meq=milli-equivalents per liter



Feet
0 4,100 8,200 12,300 16,400

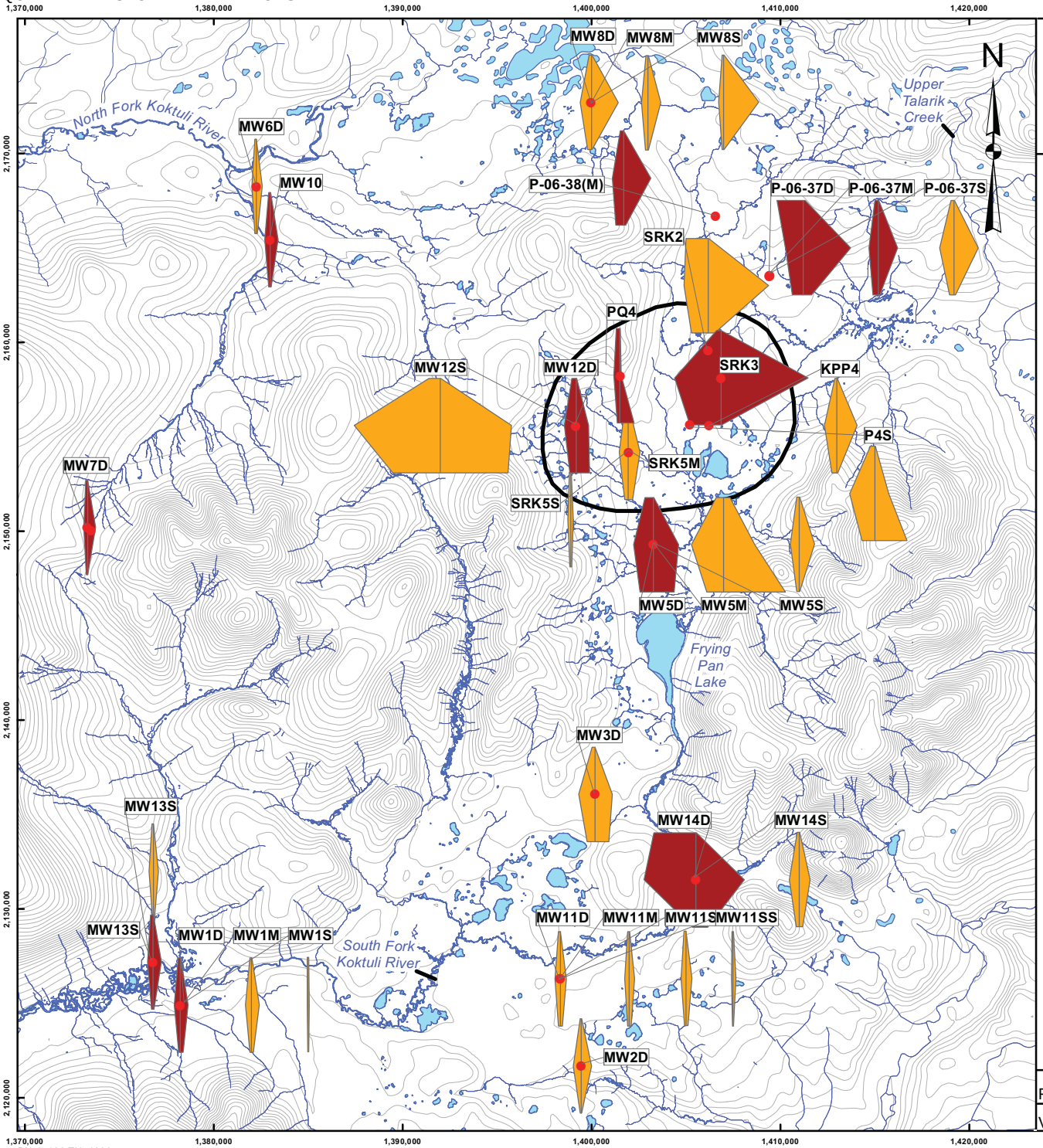
Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL

PN: 7-126 TN: 4295



PN: 7-126 TN: 4296

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Appendix 9.2F

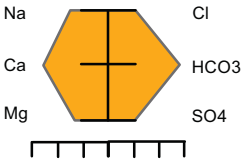
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in May, 2008

Legend

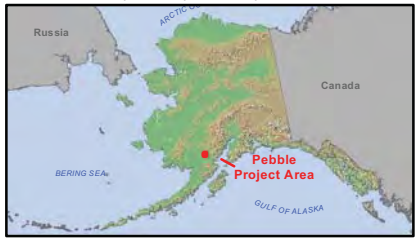
- Monitoring Well
- May 2008 Groundwater - Bedrock
- May 2008 Groundwater - Overburden
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

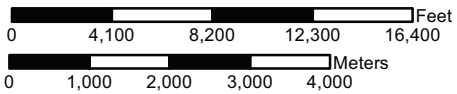
Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter

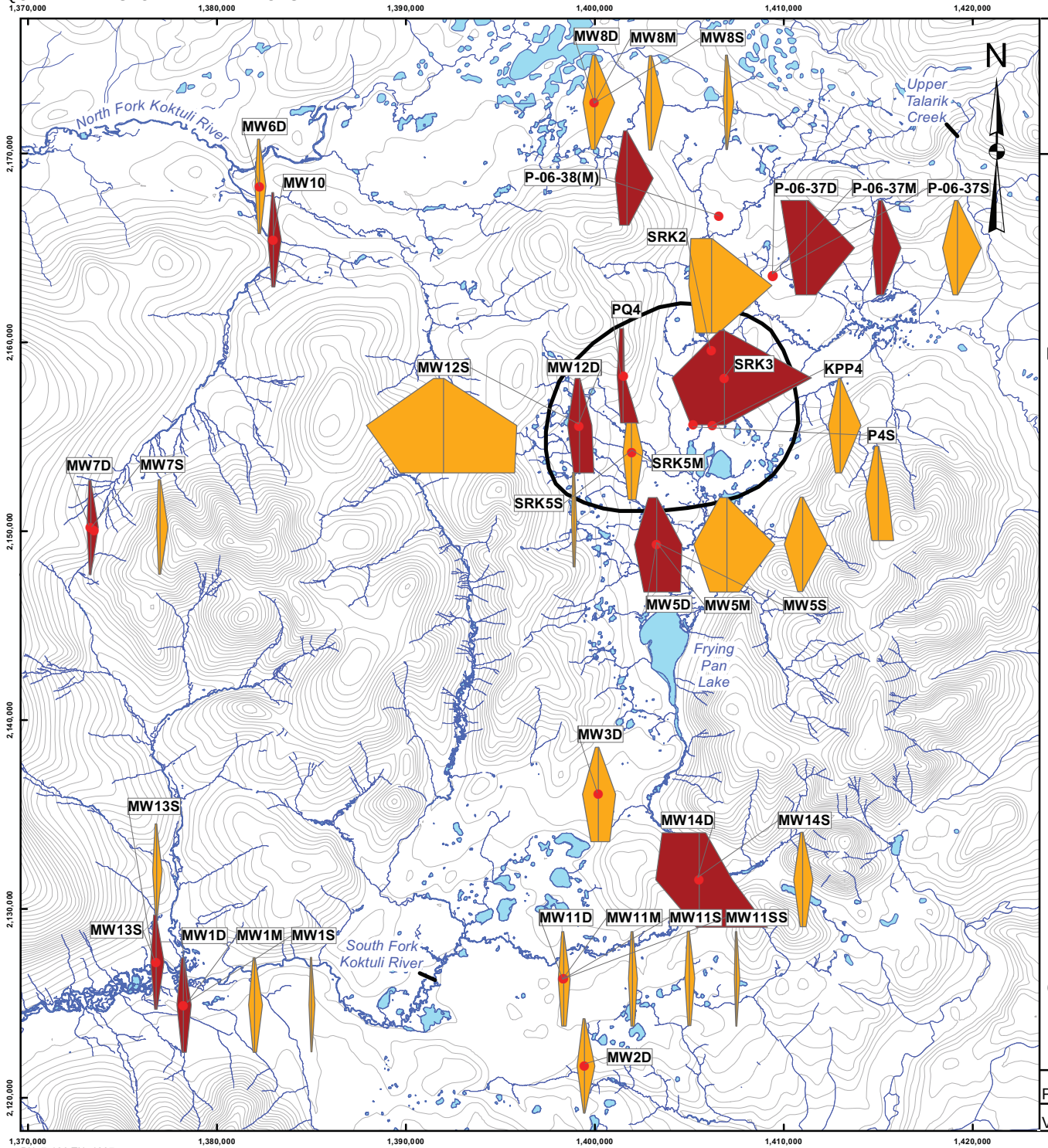




Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



PN: 7-126 TN: 4297

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Appendix 9.2F

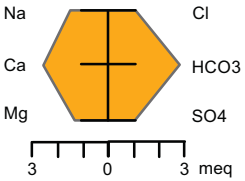
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in August, 2008

Legend

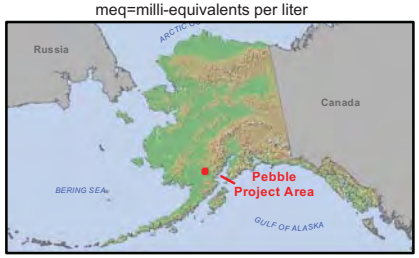
- Monitoring Well
- August 2008 Groundwater - Bedrock
- August 2008 Groundwater - Overburden
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter



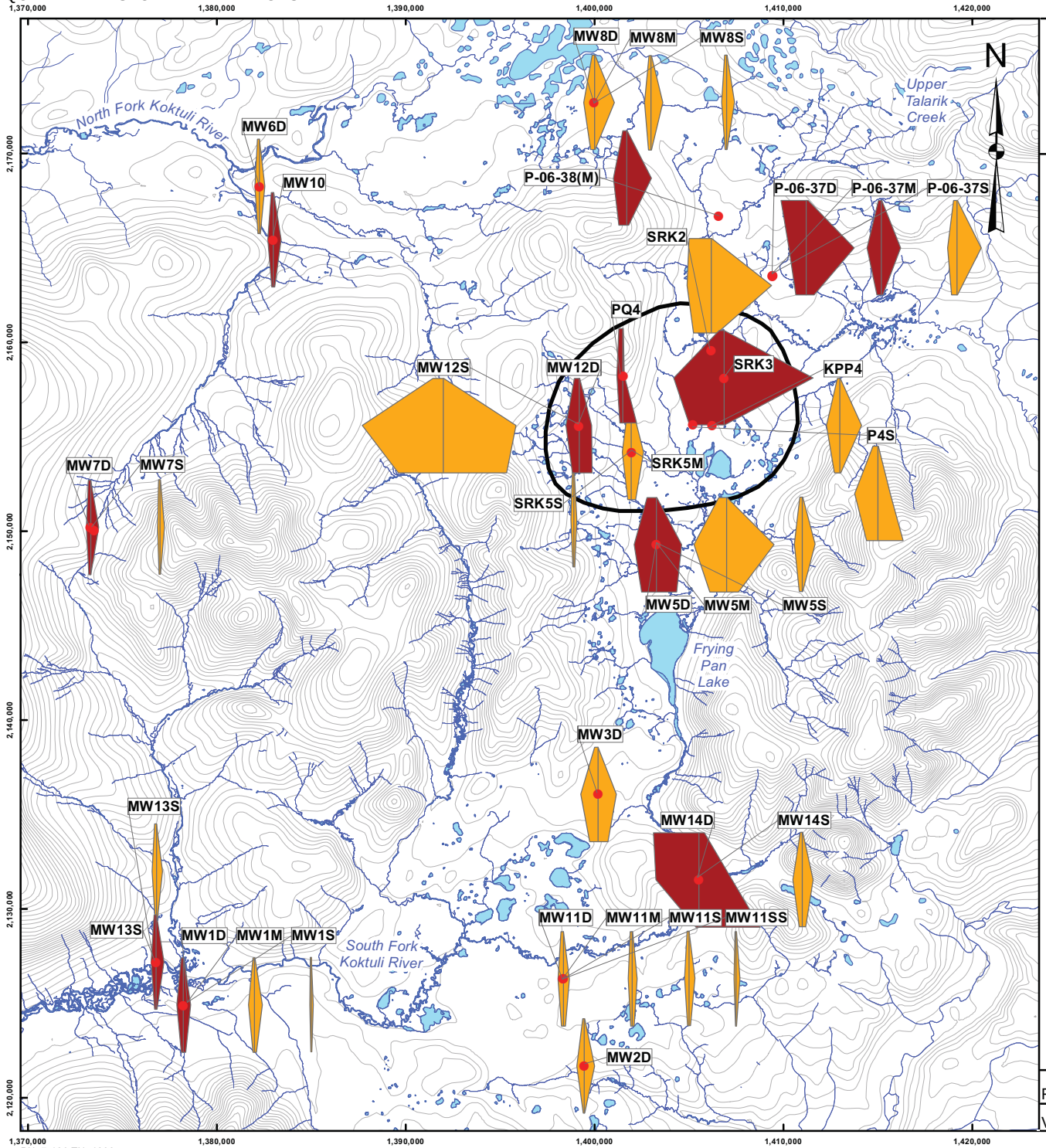
Feet
0 4,100 8,200 12,300 16,400

Meters
0 1,000 2,000 3,000 4,000

Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL



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Appendix 9.2F

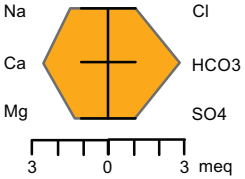
Stiff Diagrams of Major Ions in Groundwater at Individual Monitoring Well Locations in October, 2008

Legend

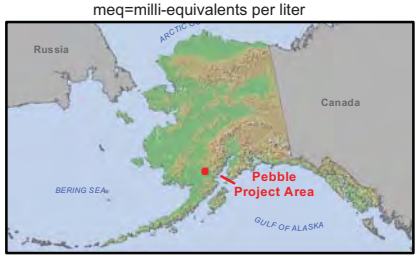
- Monitoring Well
- October 2008 Groundwater - Bedrock
- October 2008 Groundwater - Overburden
- General Deposit Location
- Lakes
- Rivers
- 50 ft Contour Interval

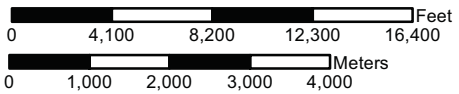
Notes:
1. MW7(S/D): example of monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.

Stiff Diagram



meq=milli-equivalents per liter





Scale 1:94,234

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

Project No: 7126	Date: July 13, 2011
Version: 1	Author: SWS-BL

PN: 7-126 TN: 4298

APPENDIX 9.2G

Time Series of Major Ion Concentrations by Monitoring Well Location, Mine Study Area 2004-2008

APPENDIX 9.2G
TIME SERIES OF MAJOR ION CONCENTRATIONS BY MONITORING WELL LOCATION, MINE STUDY AREA (2004-2008)

Appendix 9.2G - Time Series of Major Ion Concentrations by Monitoring Well Location, Mine Study Area (2004-2008)

Table of Contents

Major Anions for the Following Groundwater Monitoring Well Locations:

KP-P4, MW-10, MW-11D, MW-11M 1
MW-11S, MW-11SS, MW-12D, MW-12S 2
MW-13D, MW-13S, MW-14D MW-14S 3
MW-1D, MW-1M, MW-1S, MW-2D 4
MW-3D, MW-5D, MW-5M, MW-5S 5
MW-6D, MW-7D, MW-7S, MW-8D 6
MW-8M, MW-8S, MW-9D, P-06-37D 7
P-06-37M, P-06-37S, P-06-38D, P-06-38M 8
P-4S, PQ-4, SRK-2, SRK-3, ... 9
SRK-5D, SRK-5M, SRK-5S 10

Major Cations for the Following Groundwater Monitoring Well Locations:

MW-1S, MW-1M, MW-1D, MW-2D 11
MW-3D, MW-5S, MW-5M, MW-5D 12
MW-6D, MW-7S, MW-7D, MW-8S 13
MW-8M, MW-8D, MW-9D, MW-10 14
MW-11SS, MW-11S, MW-11M, MW-11D 15
MW-12S, MW-12D, MW-13S, MW-13D 16
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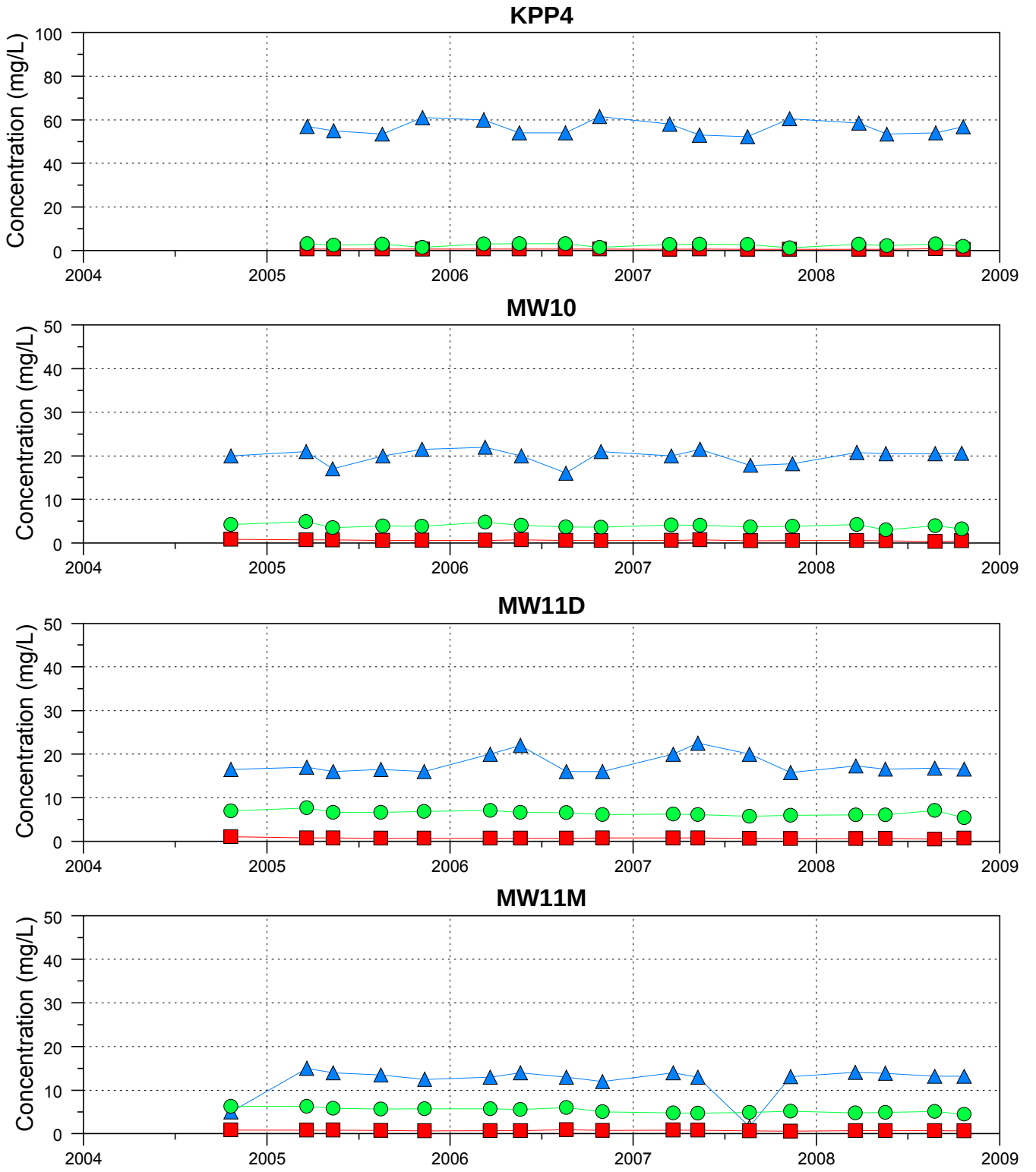
P-06-37M, P-06-37D, P-4S, PQ-4, ... 18
SRK-2, SRK-3, SRK-5S, SRK-5M, ... 19
SRK-5D 20



Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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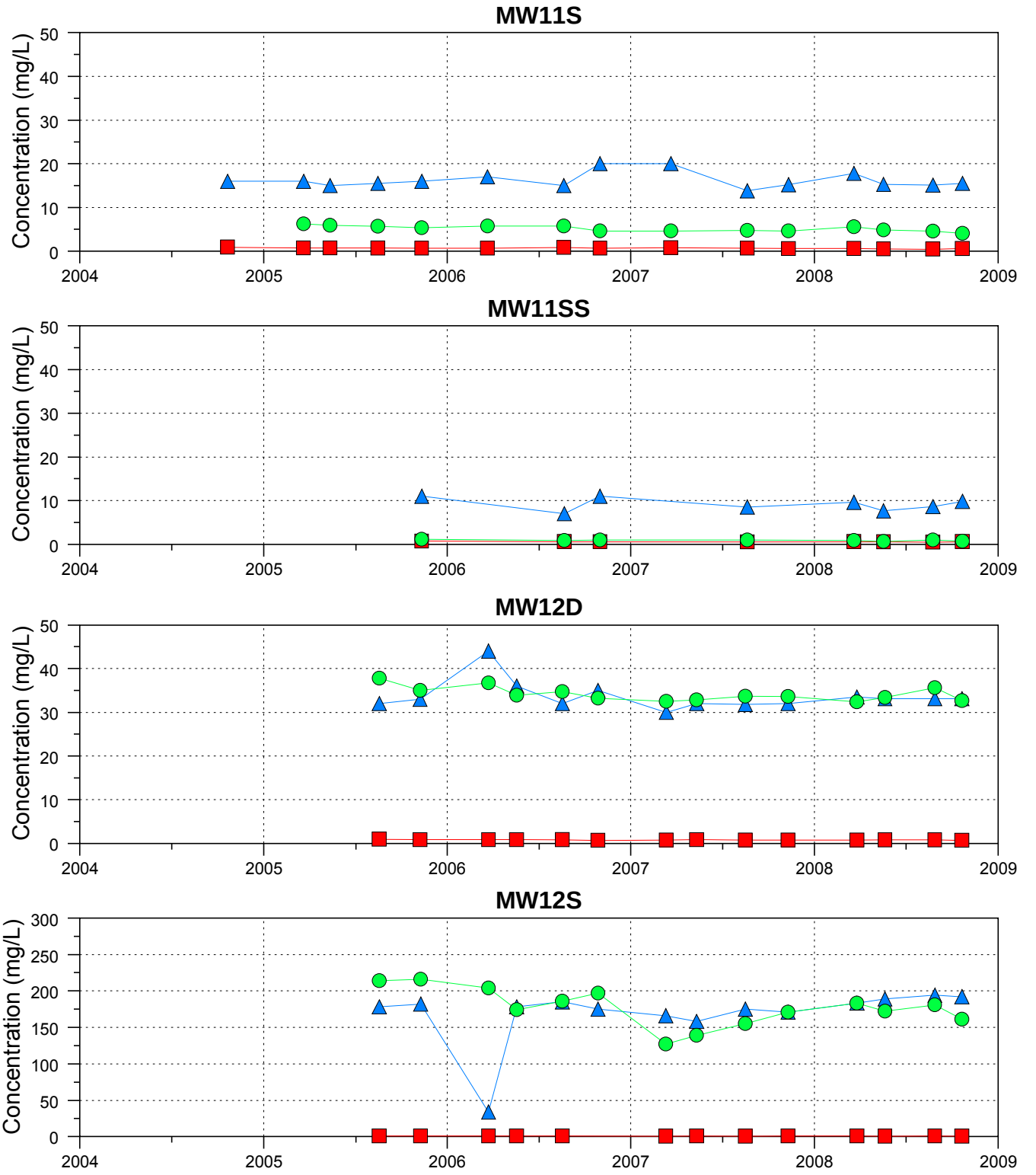
Appendix 9.2G
Time Series of Concentrations
Anions
KPP4, MW10, MW11D, MW11M

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Alkalinity
Chloride
Sulfate
Not Detected

Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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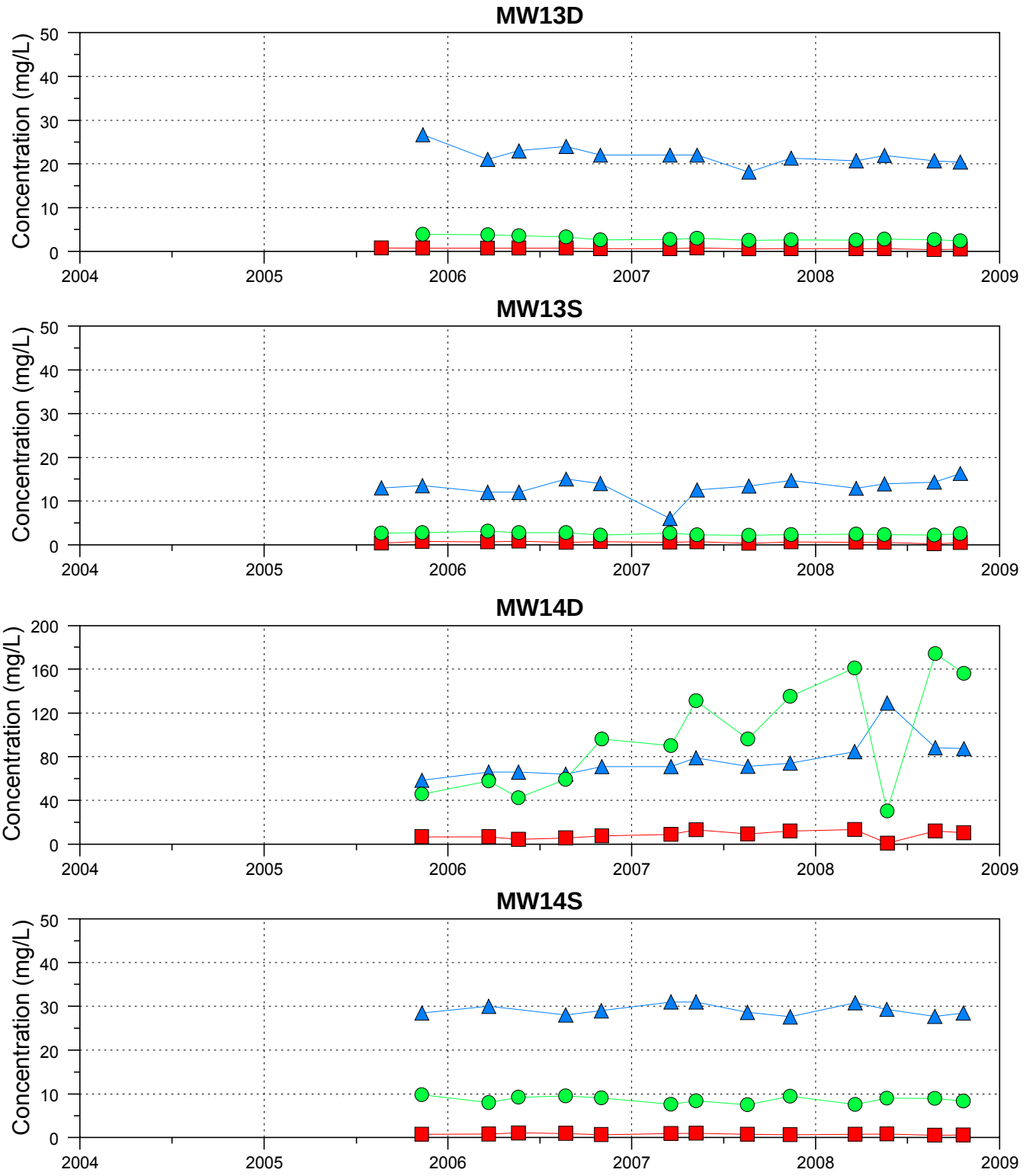
Appendix 9.2G
Time Series of Concentrations
Anions
MW11S, MW11SS, MW12D, MW12S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Alkalinity
Chloride
Sulfate
Not Detected

Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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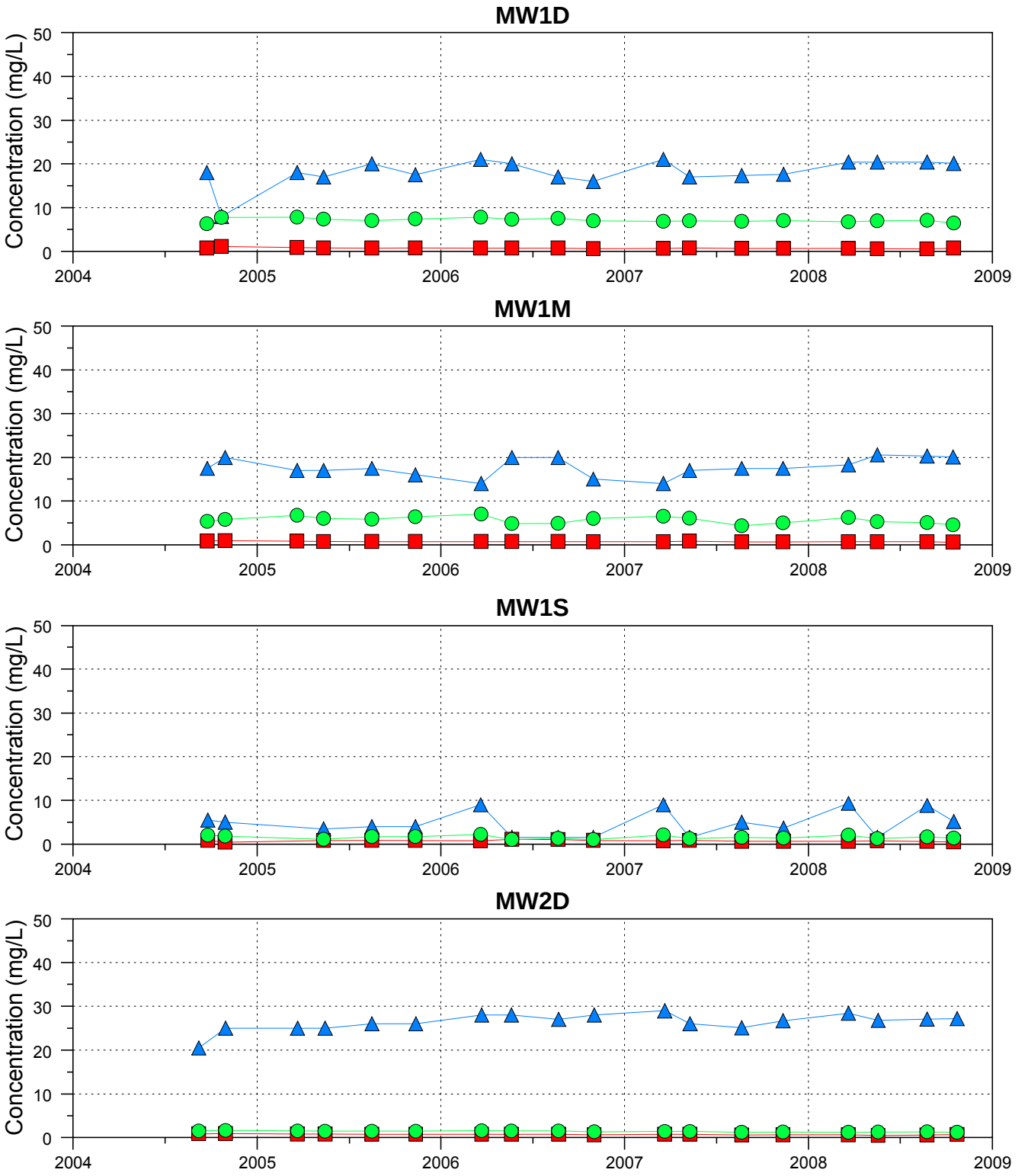
Appendix 9.2G
Time Series of Concentrations
Anions
MW13D, MW13S, MW14D, MW14S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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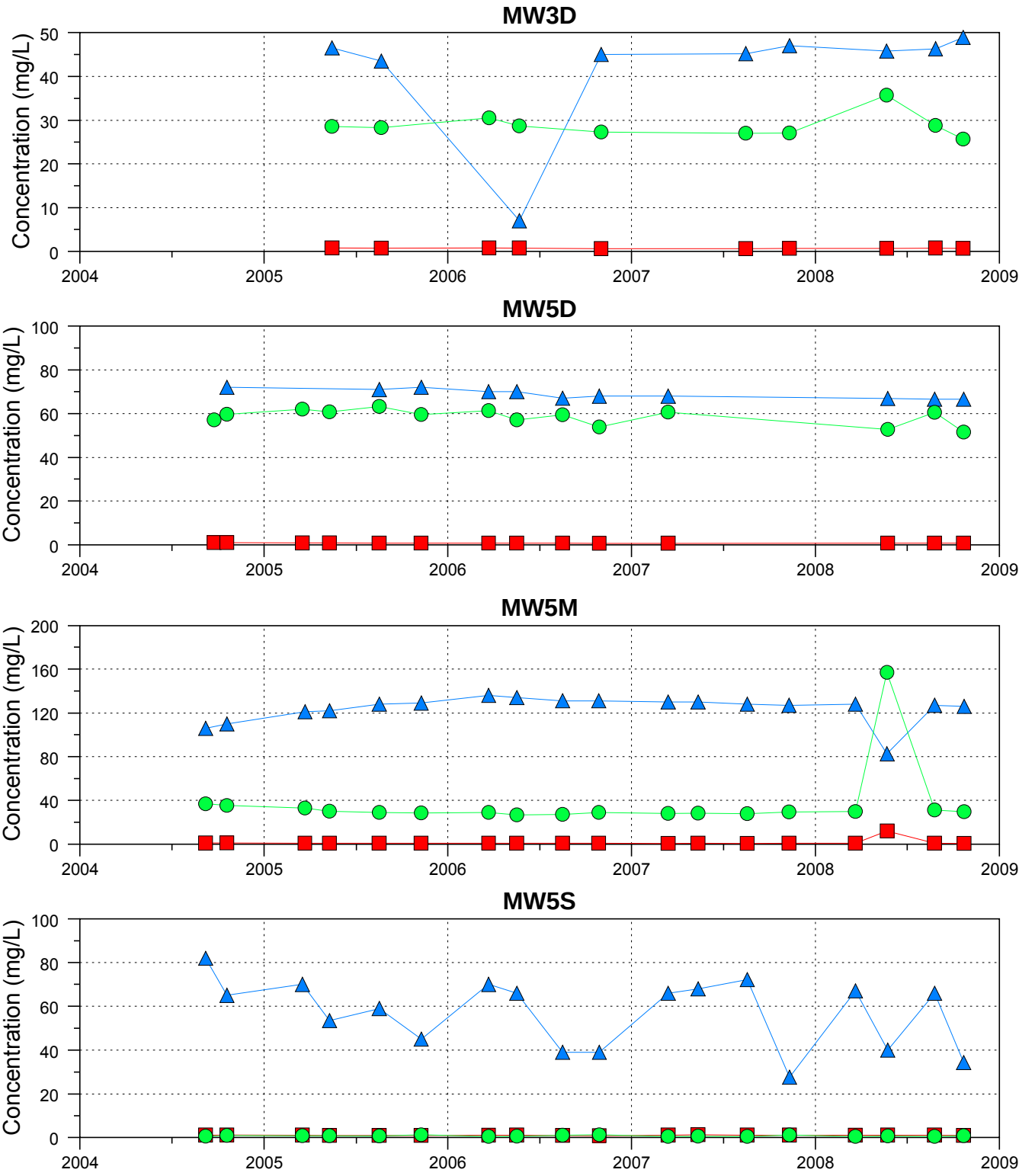
Appendix 9.2G
Time Series of Concentrations
Anions
MW1D, MW1M, MW1S, MW2D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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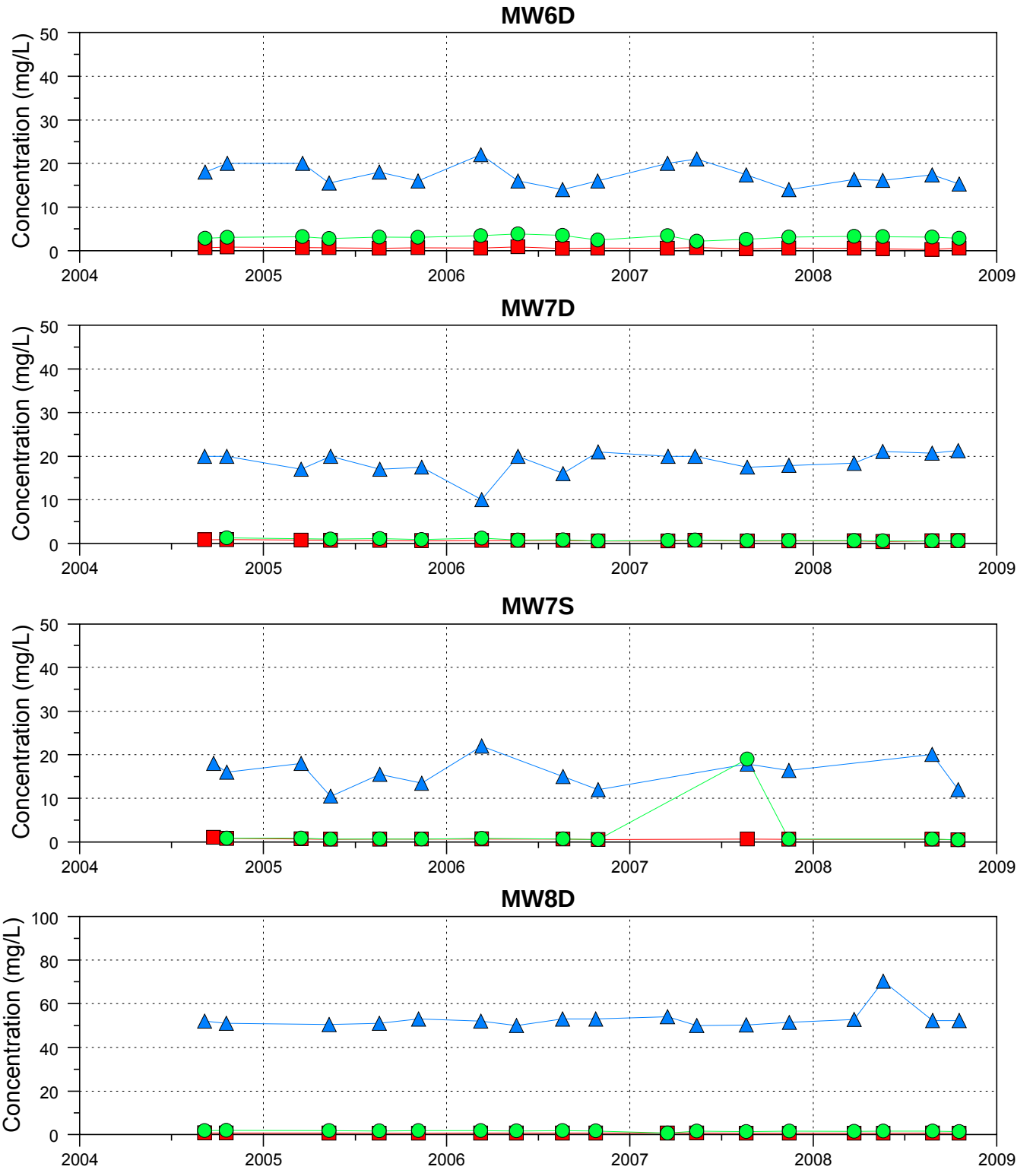
Appendix 9.2G
Time Series of Concentrations
Anions
MW3D, MW5D, MW5M, MW5S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Alkalinity
Chloride
Sulfate
Not Detected

Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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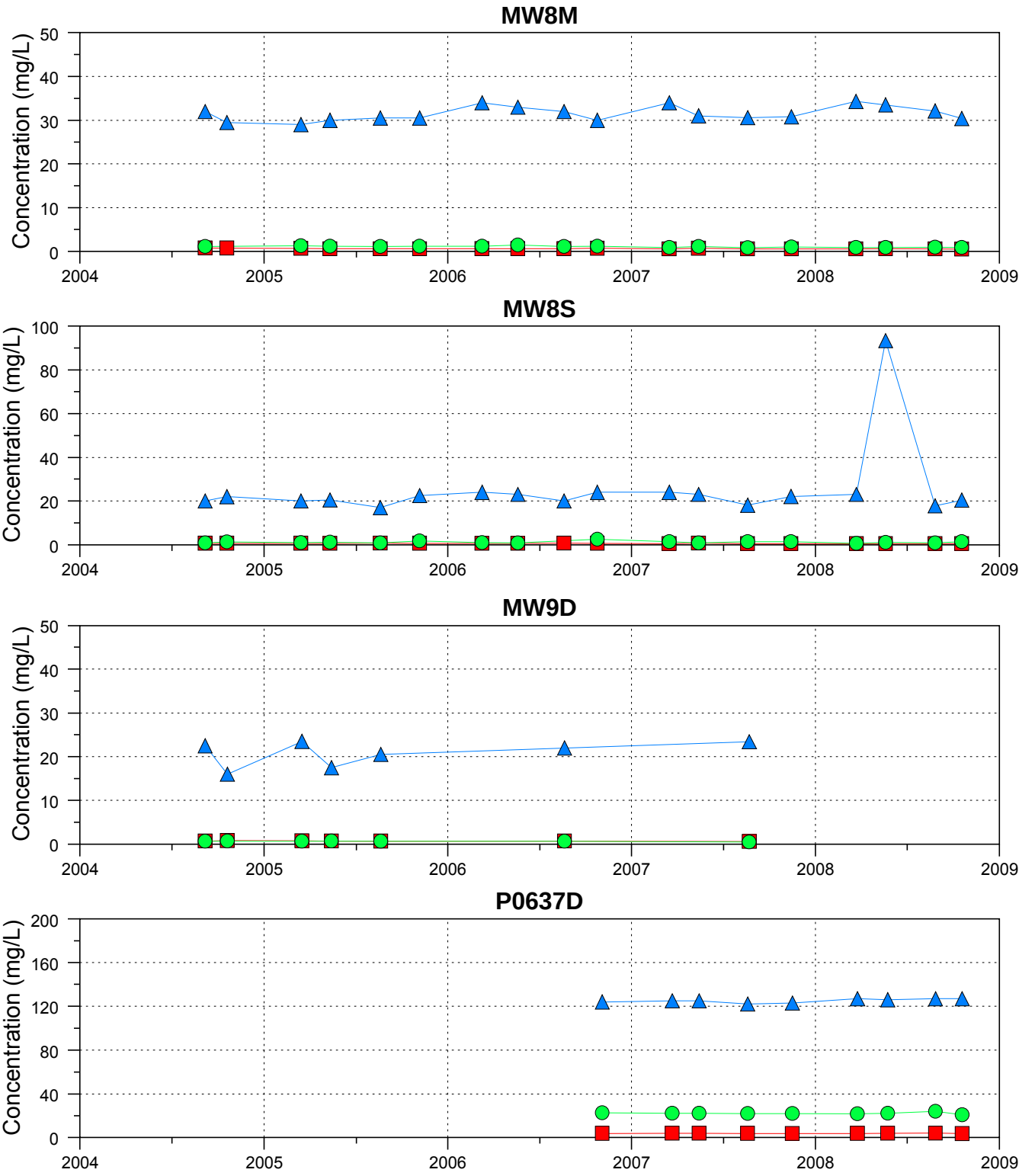
Appendix 9.2G
Time Series of Concentrations
Anions
MW6D, MW7D, MW7S, MW8D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Alkalinity
Chloride
Sulfate
Not Detected

Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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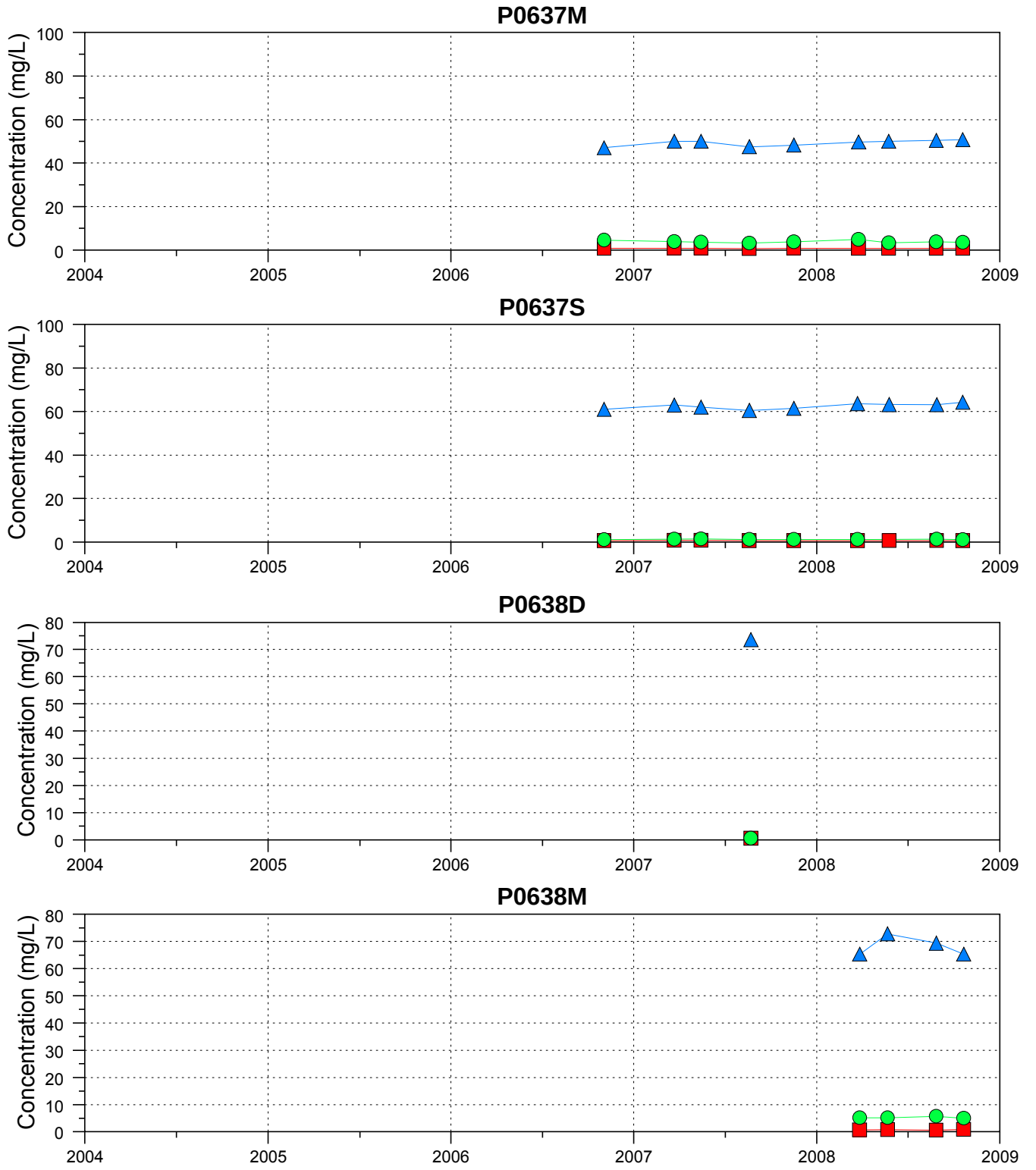
Appendix 9.2G
Time Series of Concentrations
Anions
MW8M, MW8S, MW9D, P0637D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Alkalinity
Chloride
Sulfate
Not Detected

Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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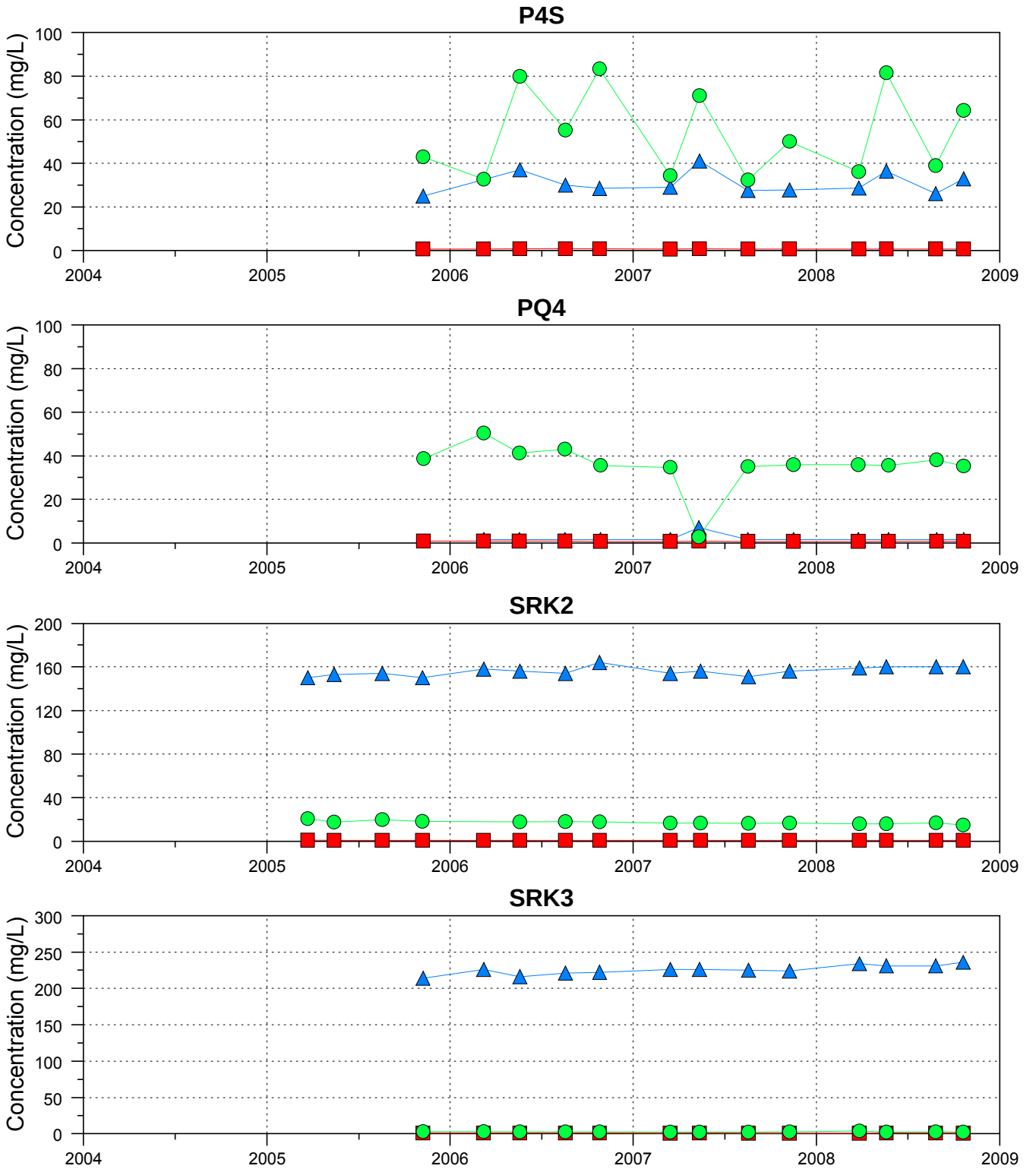
Appendix 9.2G
Time Series of Concentrations
Anions
P0637M, P0637S, P0638D, P0638M

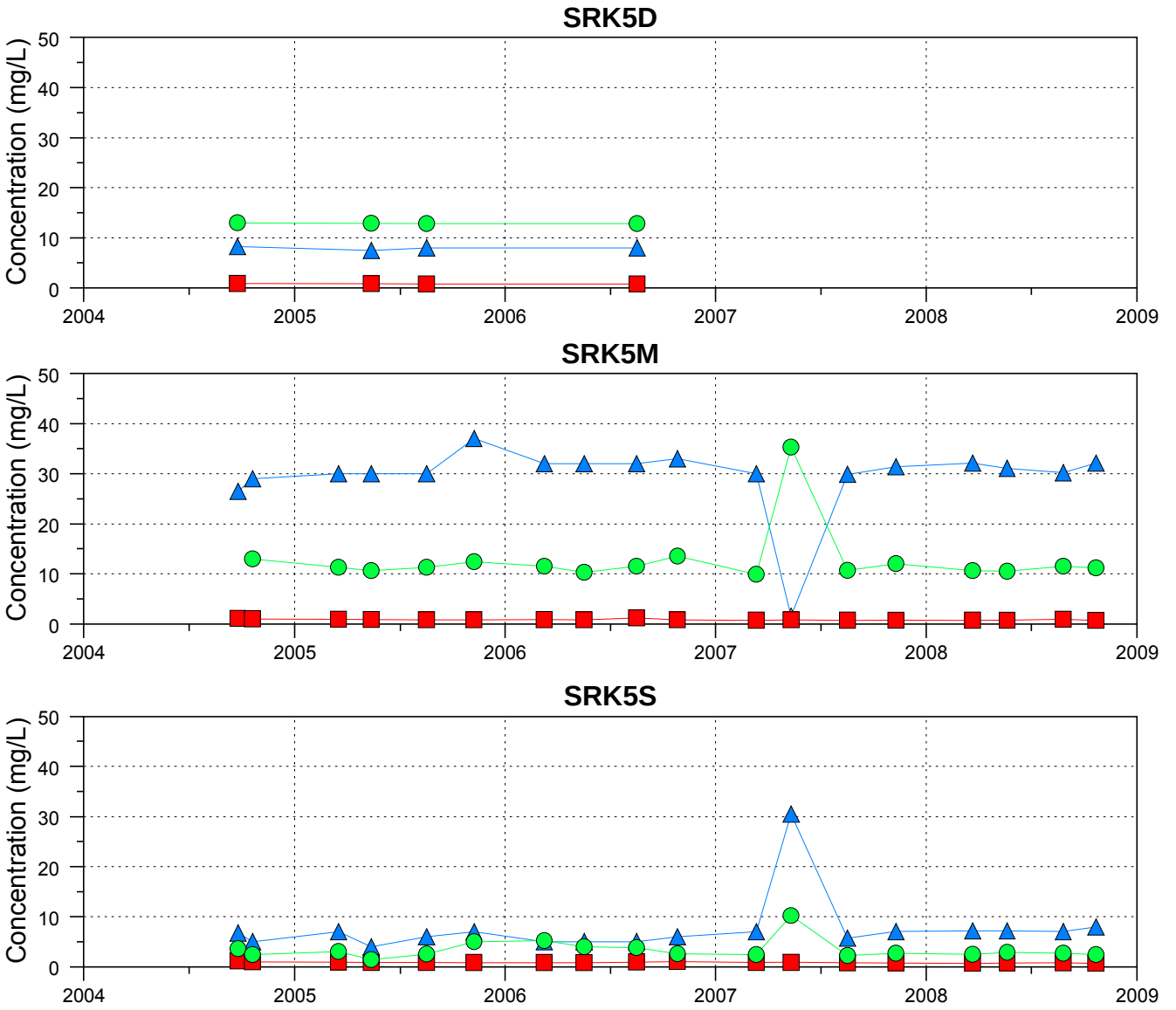
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

Appendix 9.2G
Time Series of Concentrations
Anions
P4S, PQ4, SRK2, SRK3

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Alkalinity
Chloride
Sulfate
Not Detected

Notes:
1. KPP4: example of station identification label
2. mg/L = milligrams per liter

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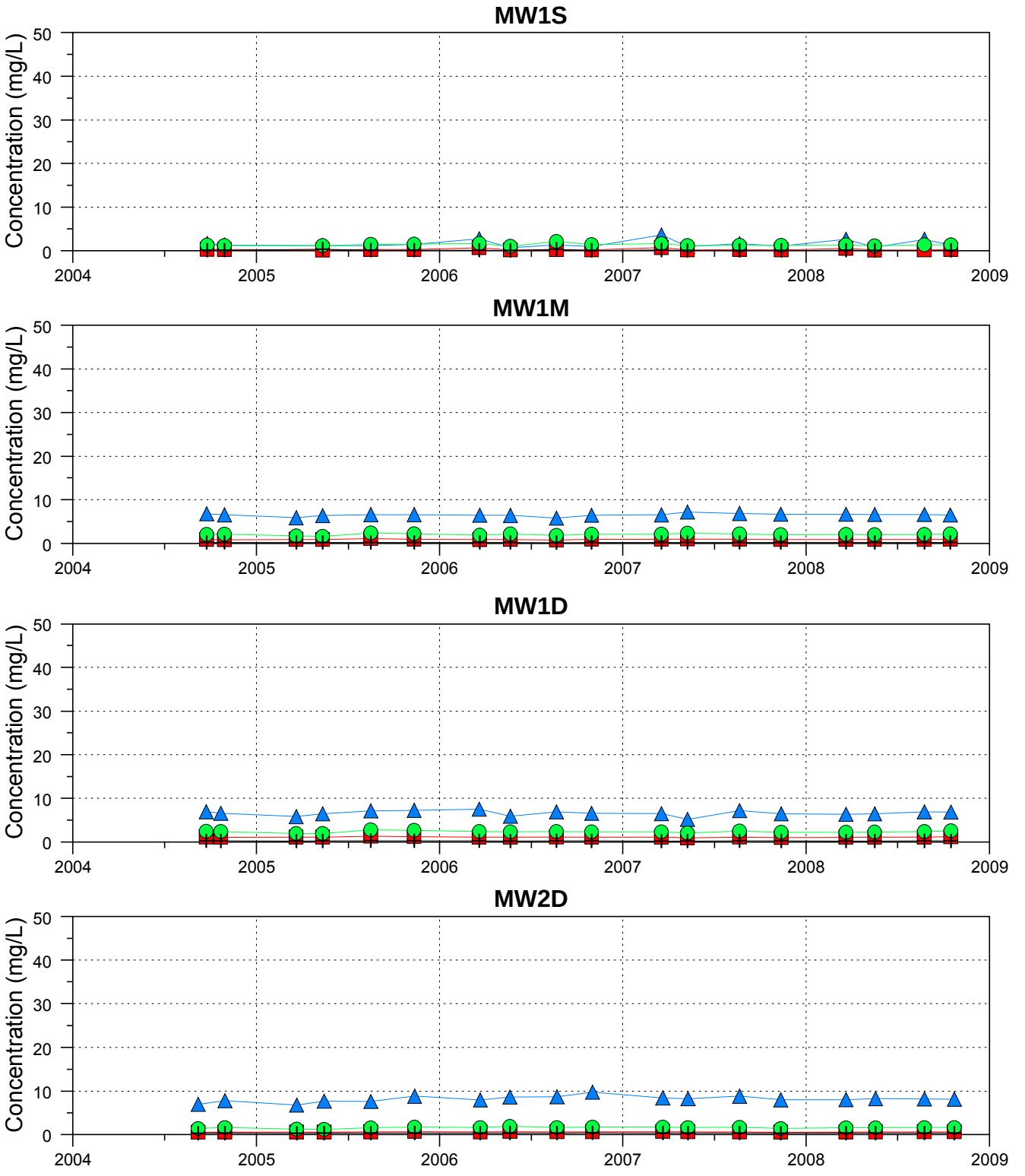
Appendix 9.2G
Time Series of Concentrations
Anions
SRK5D, SRK5M, SRK5S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



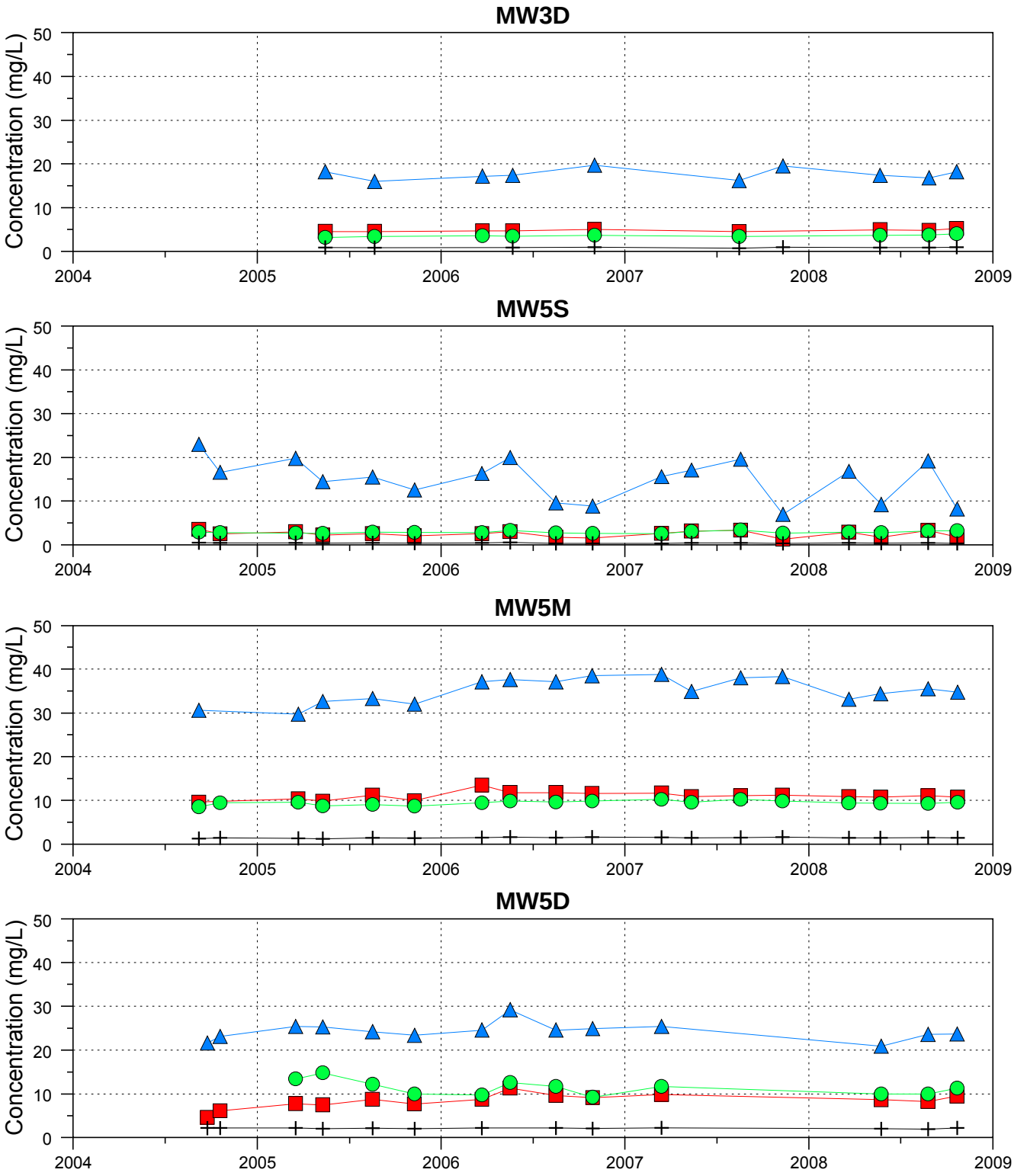
Calcium
Magnesium
Sodium
Potassium
Not Detected

Notes:
1. MW1S: example of station identification label
2. mg/L = milligrams per liter

THE pebble PARTNERSHIP

Appendix 9.2G
Time Series of Concentrations
Cations
MW1S, MW1M, MW1D, MW2D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



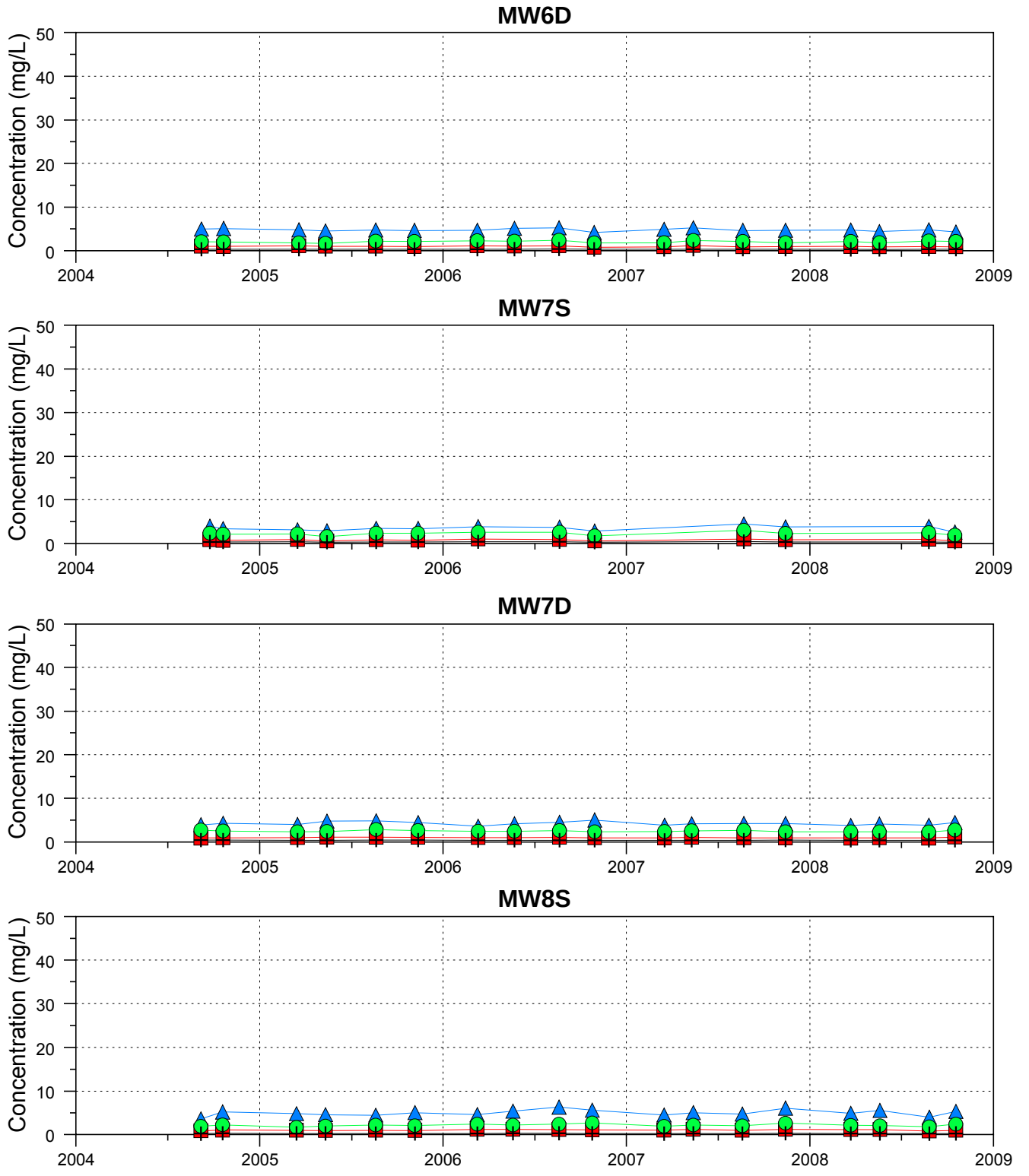
Calcium
Magnesium
Sodium
Potassium
Not Detected

Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

THE pebble PARTNERSHIP

Appendix 9.2G
Time Series of Concentrations
Cations
MW3D, MW5S, MW5M, MW5D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Calcium
Magnesium
Sodium
Potassium
Not Detected

Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

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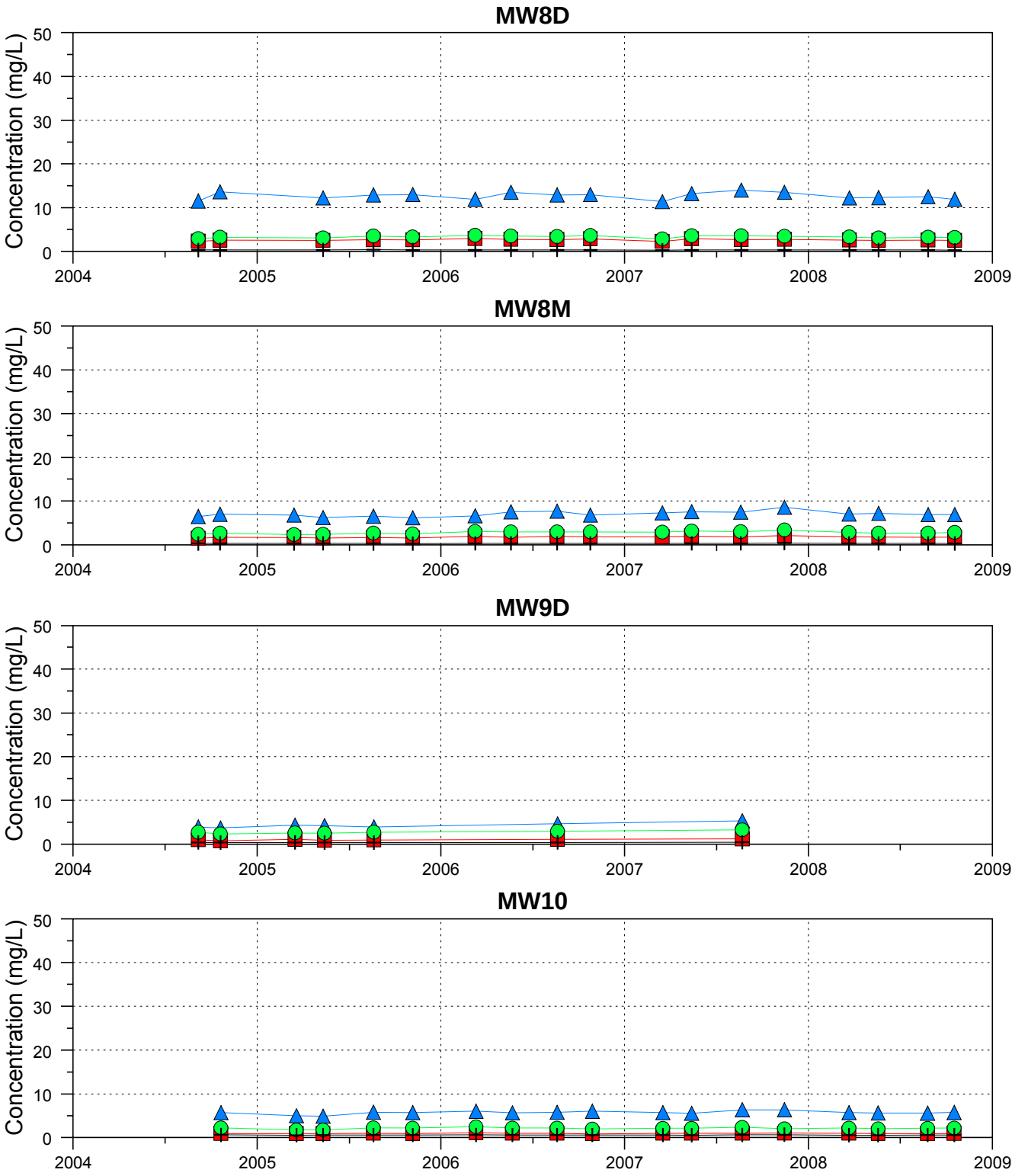
Appendix 9.2G
Time Series of Concentrations
Cations
MW6D, MW7S, MW7D, MW8S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Calcium
Magnesium
Sodium
Potassium
Not Detected

Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

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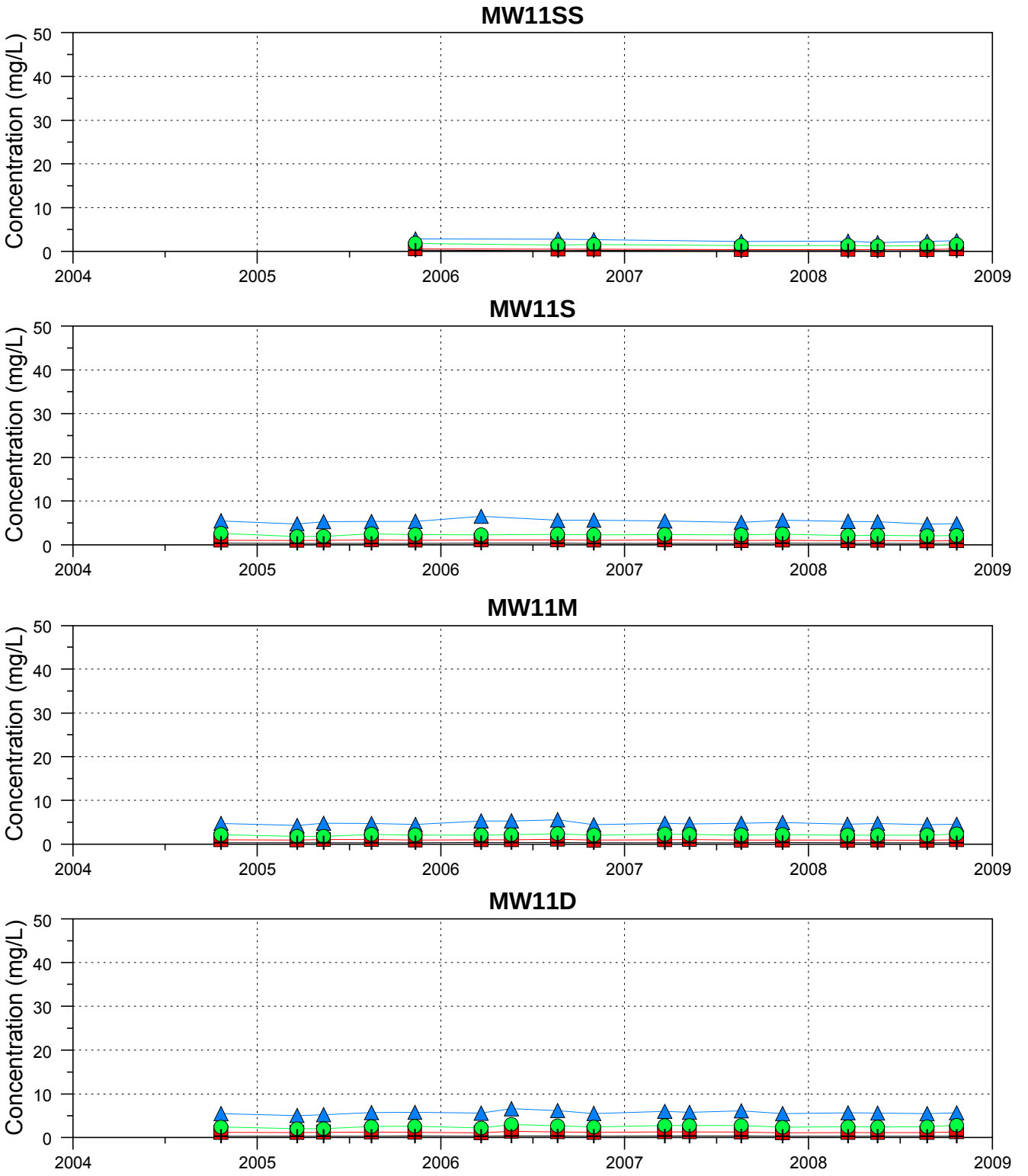
Appendix 9.2G
Time Series of Concentrations
Cations
MW8D, MW8M, MW9D, MW10

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Calcium
Magnesium
Sodium
Potassium
Not Detected

Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

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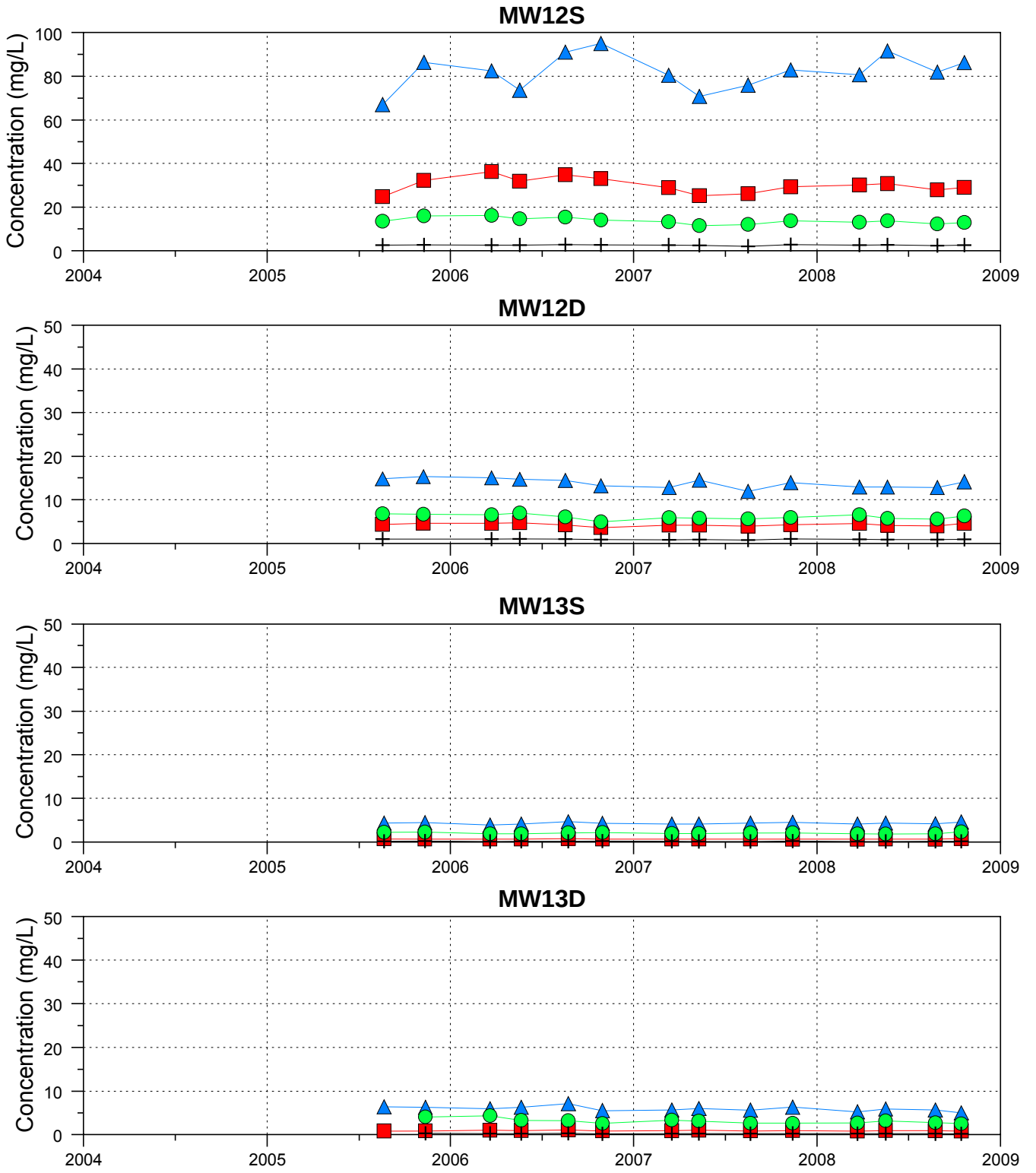
Appendix 9.2G
Time Series of Concentrations
Cations
MW11SS, MW11S, MW11M, MW11D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

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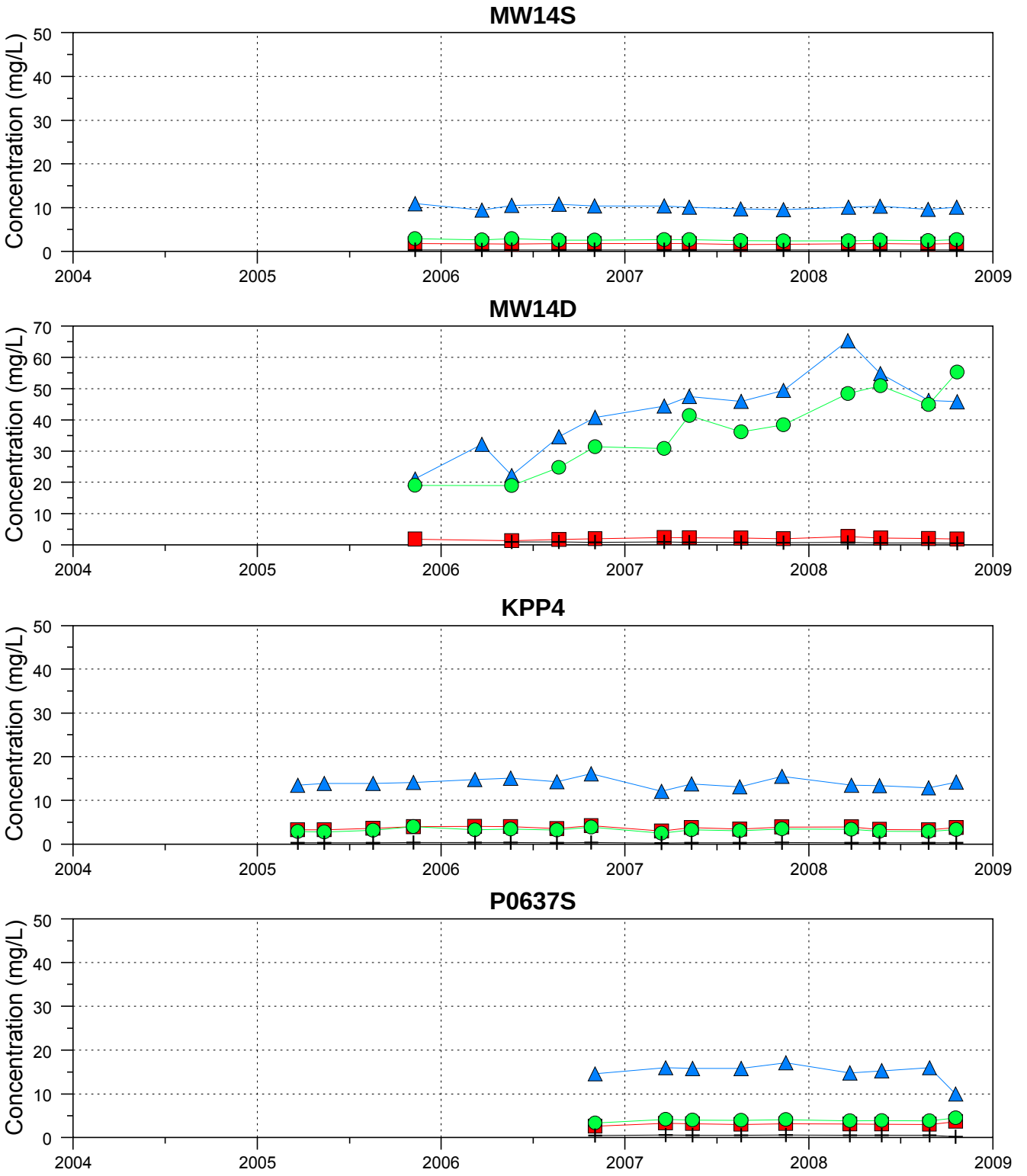
Appendix 9.2G
Time Series of Concentrations
Cations
MW12S, MW12D, MW13S, MW13D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

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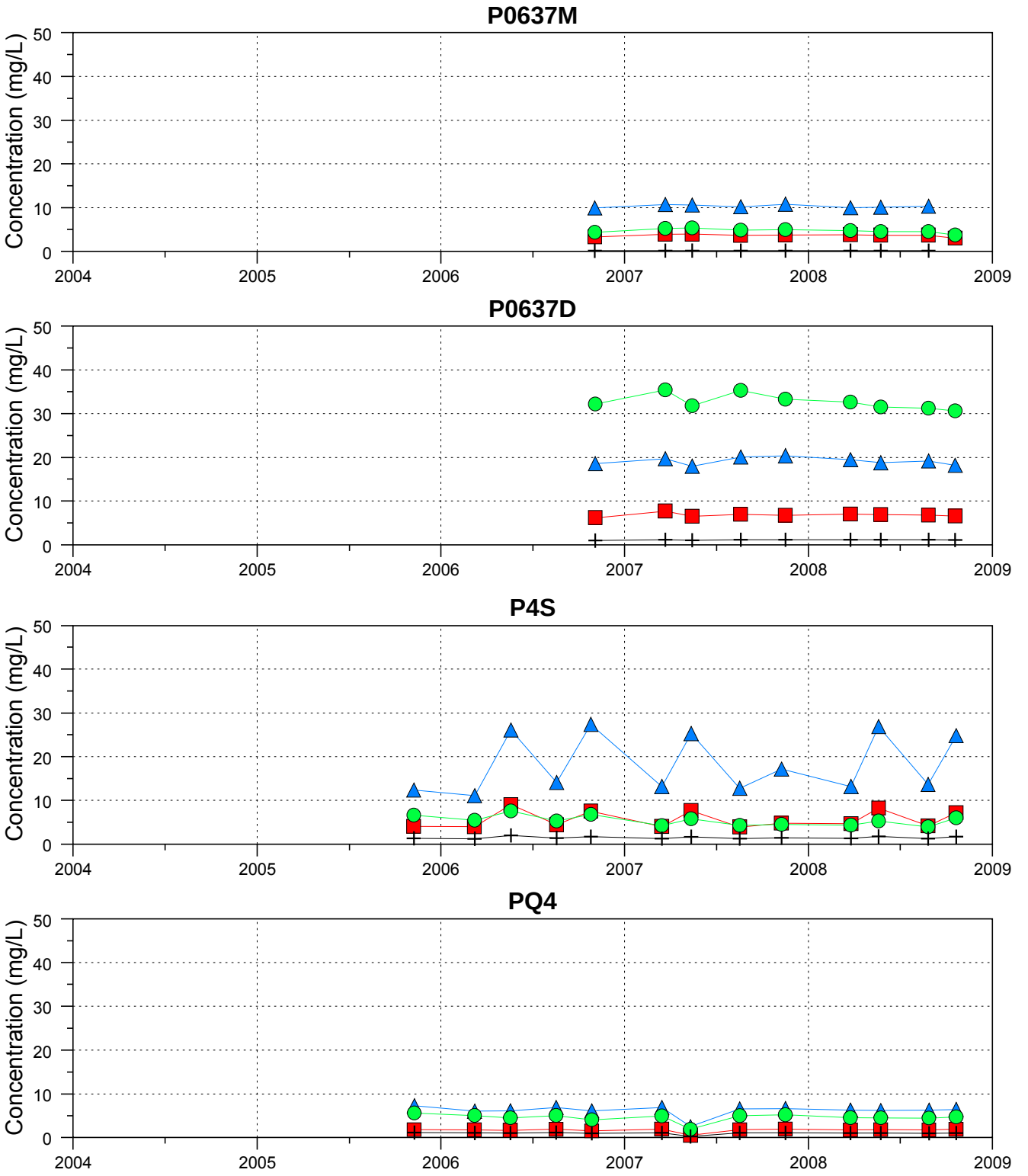
Appendix 9.2G
Time Series of Concentrations
Cations
MW14S, MW14D, KPP4, P0637S

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Calcium
Magnesium
Sodium
Potassium
Not Detected

Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

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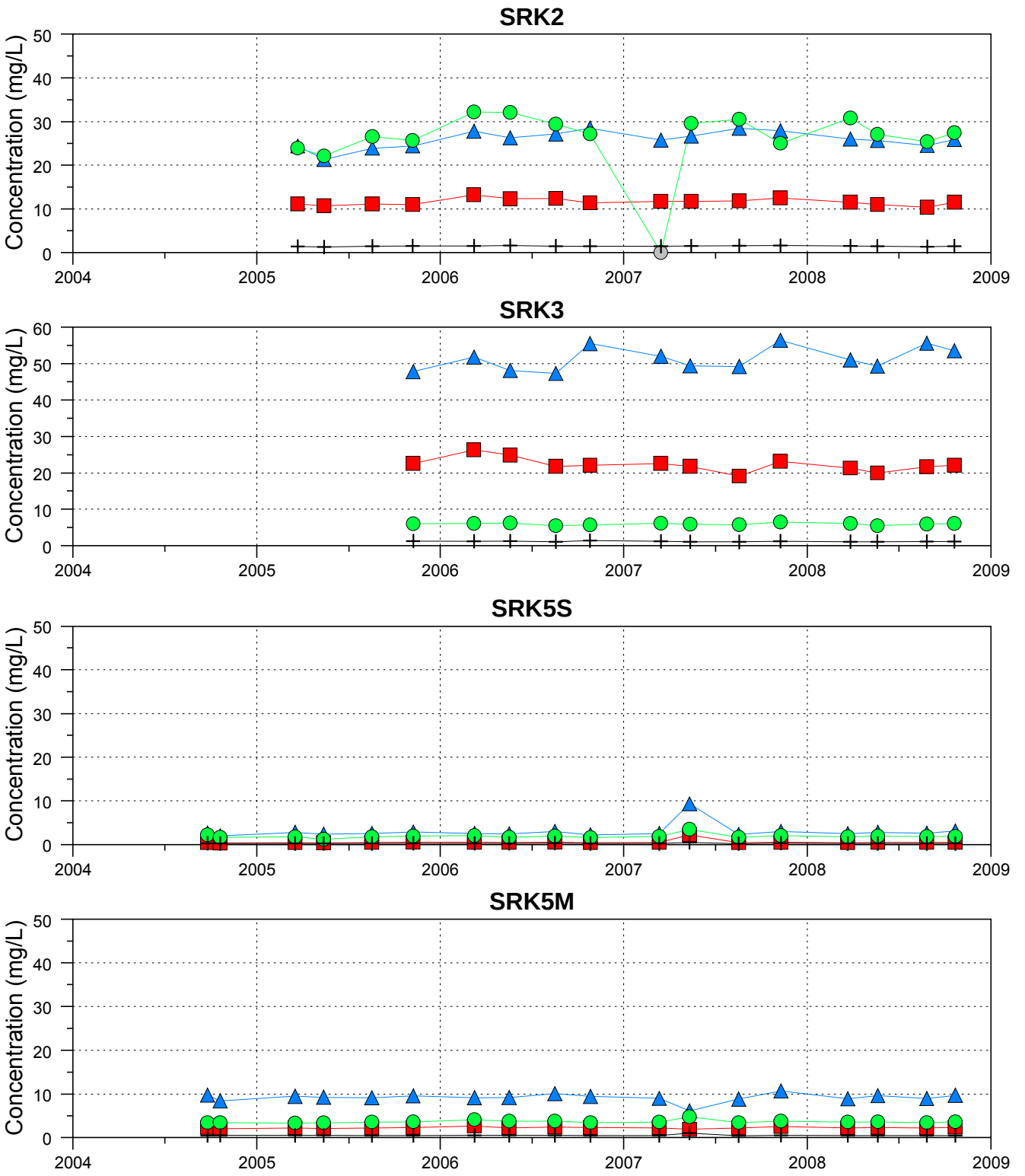
Appendix 9.2G
Time Series of Concentrations
Cations
P0637M, P0637D, P4S, PQ4

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

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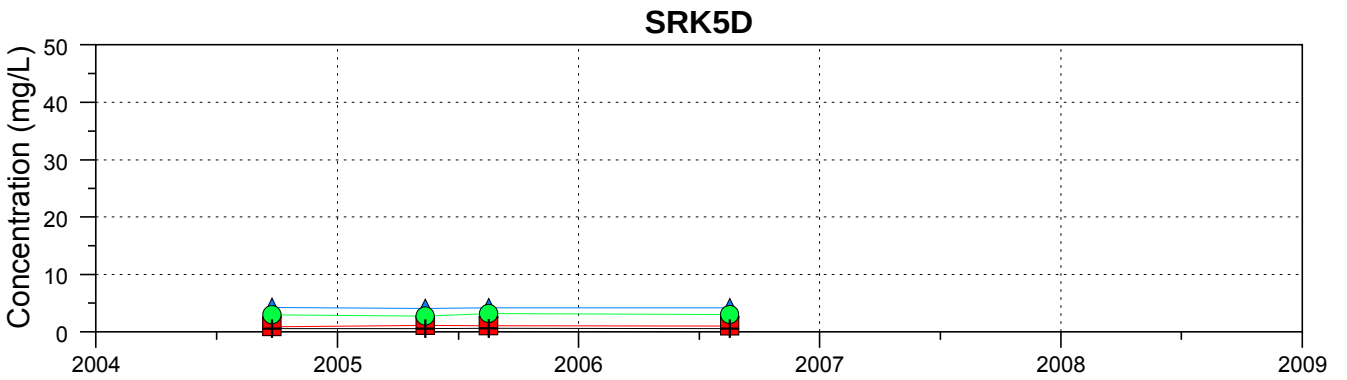
Appendix 9.2G
Time Series of Concentrations
Cations
SRK2, SDRK3, SRK5, SRK5M

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Calcium
Magnesium
Sodium
Potassium
Not Detected

Notes:
MW1S: example of station identification label
2. mg/L = milligrams per liter

THE pebble PARTNERSHIP

Appendix 9.2G
Time Series of Concentrations
Cations
SRK5D

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

APPENDIX 9.2H

Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells, Mine Study Area 2004-2008

APPENDIX 9.2H
CORRELATION PLOTS FOR PARAMETER PAIRS WITH r>0.8 FOR GROUNDWATER WELLS, MINE STUDY AREA (2004-2008)

Appendix 9.2H - Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells, Mine Study Area (2004-2008)

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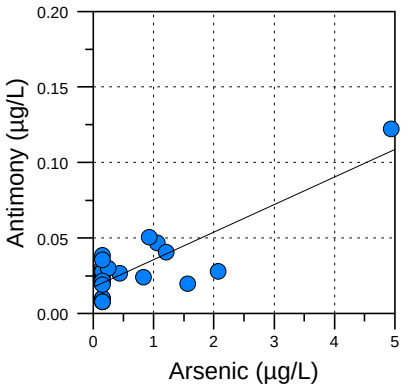
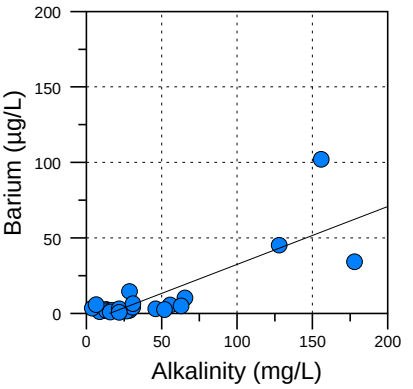
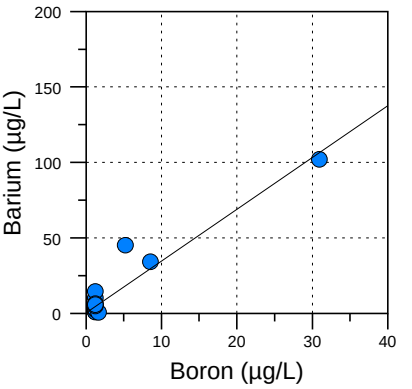
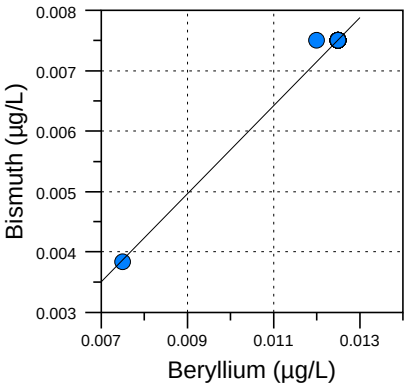
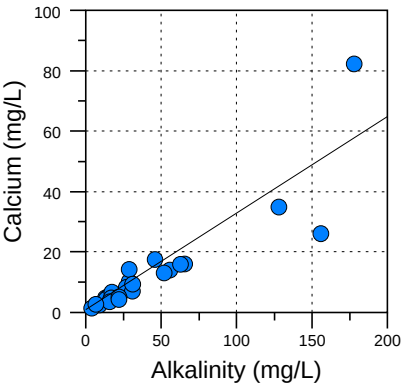
Table of correlation Coefficients in Bedrock Wells 12

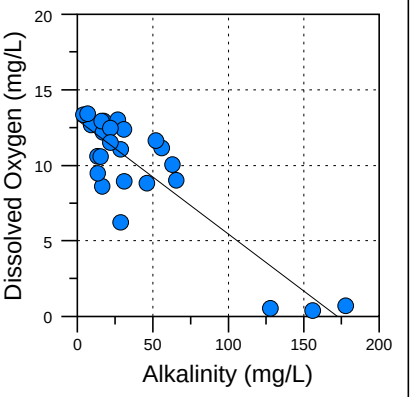


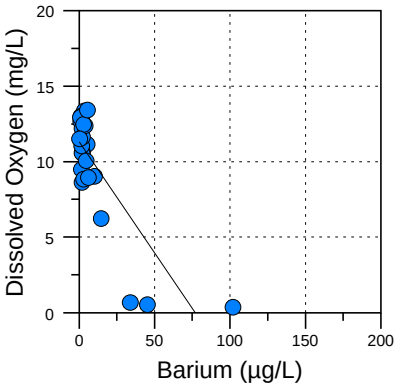


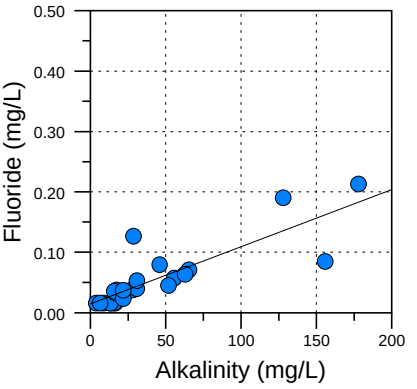


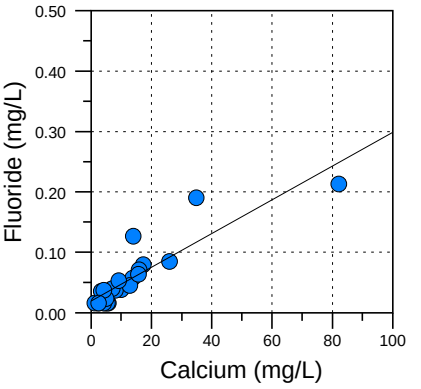












Legend

- Overburden
- Correlation Line

Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
ug/L = micrograms per liter
uS/L = microsiemens per liter

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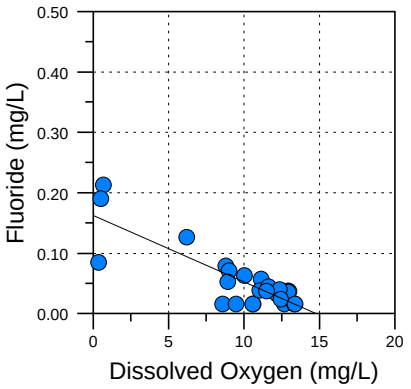
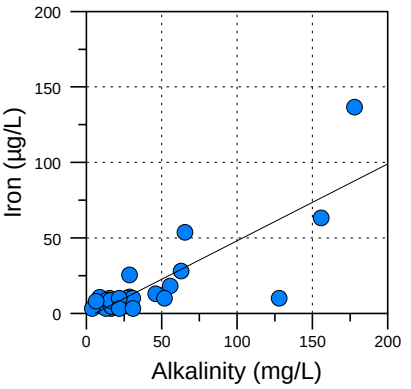
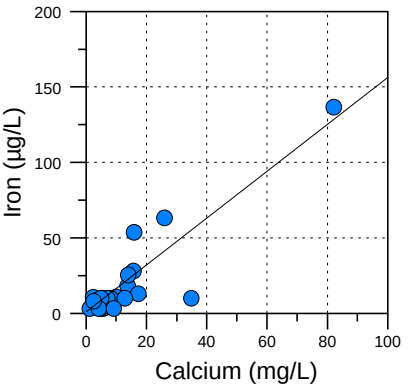
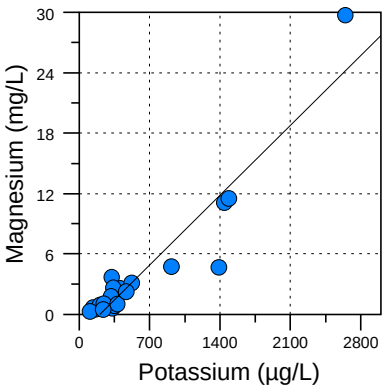
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in the Overburden

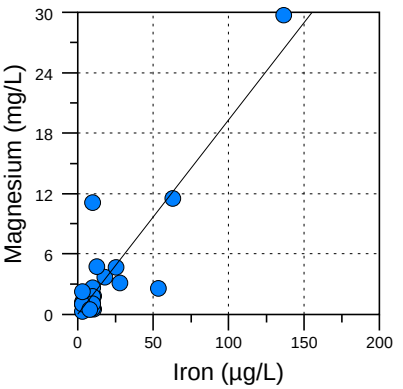
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

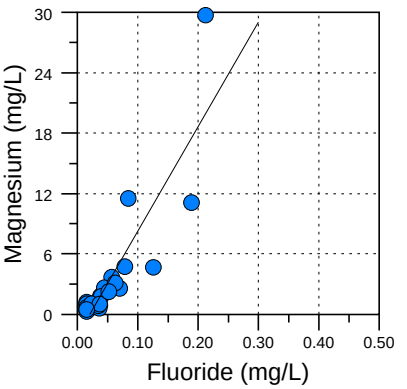


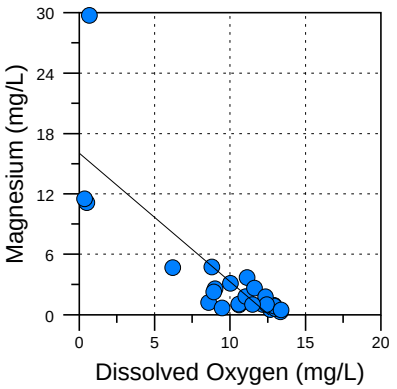


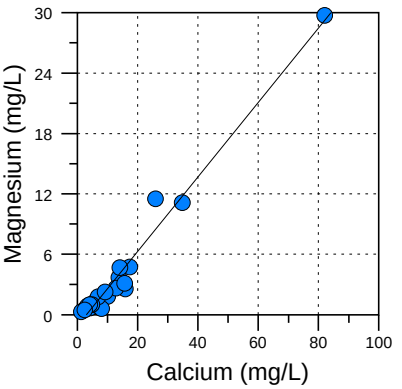


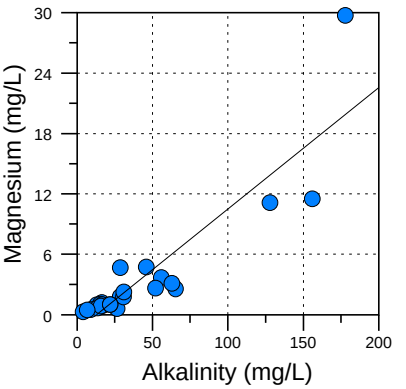












Legend

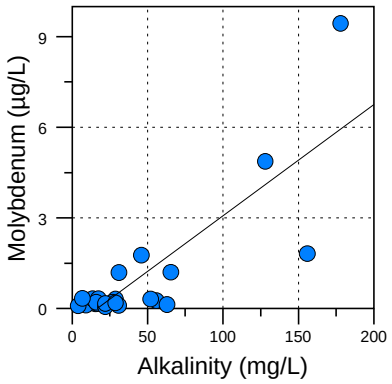
- Overburden
- Correlation Line

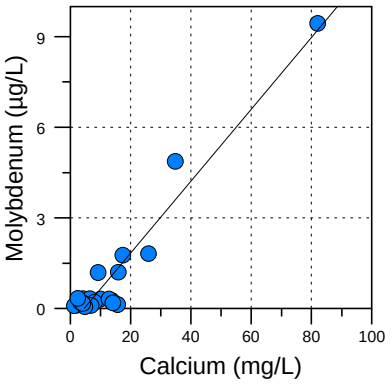
Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
ug/L = micrograms per liter
uS/L = microsiemens per liter

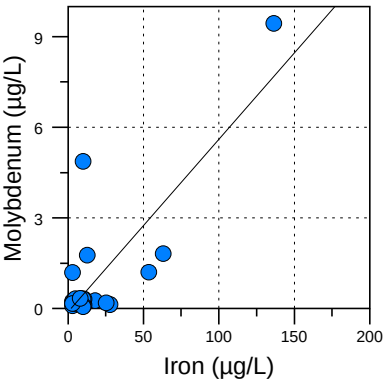
THE pebble PARTNERSHIP

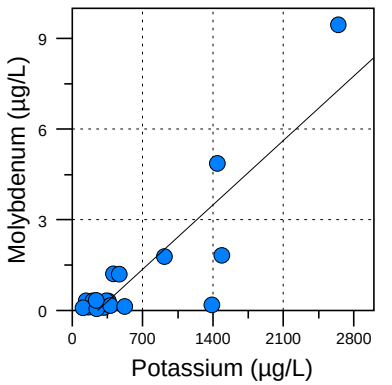
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in the Overburden

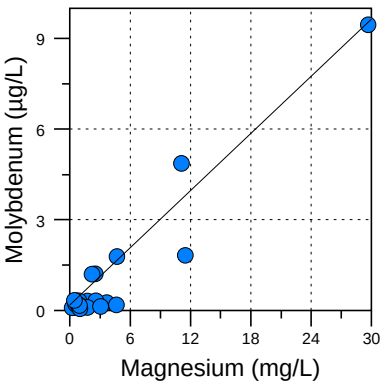
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

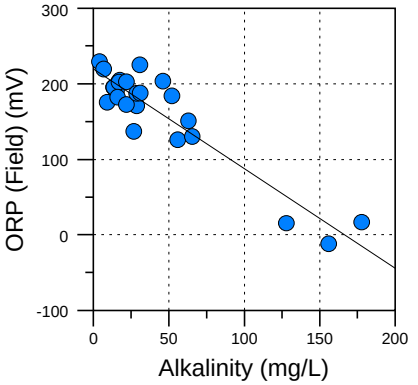


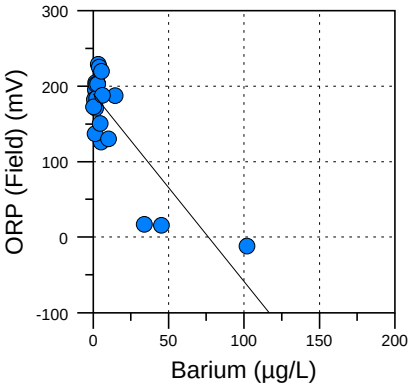


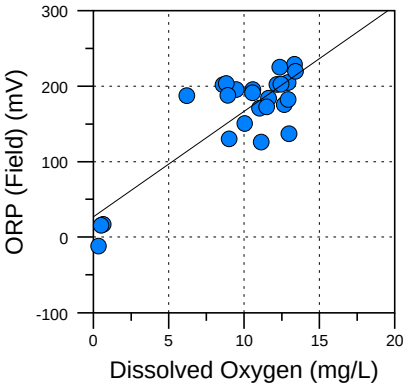


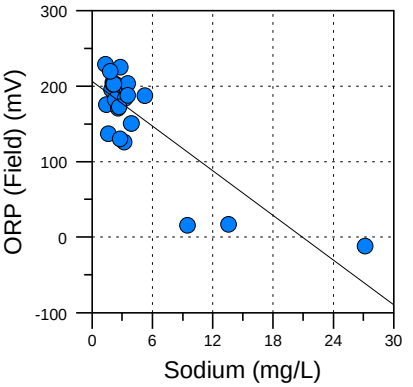












Legend

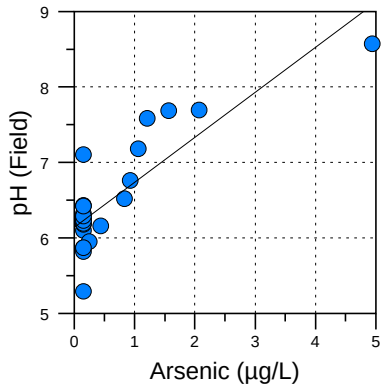
- Overburden
- Correlation Line

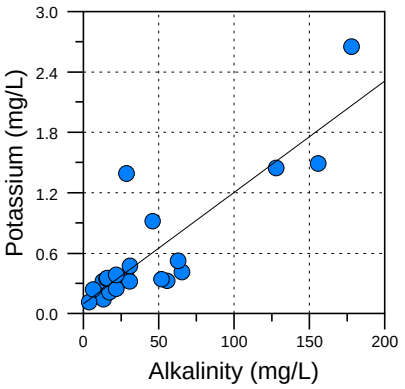
Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
ug/L = micrograms per liter
uS/L = microsiemens per liter

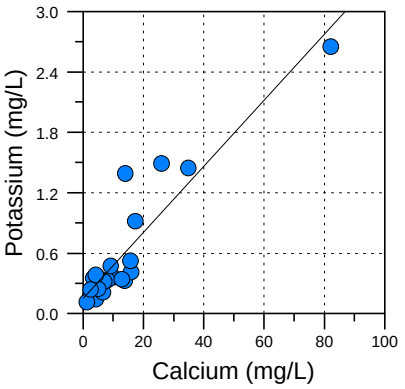
THE pebble PARTNERSHIP

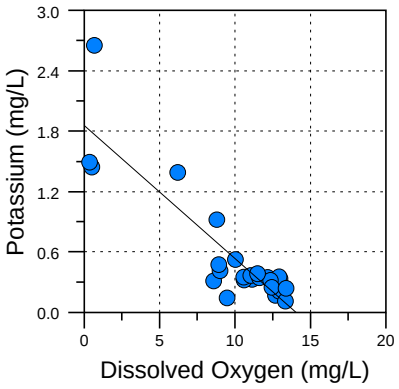
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in the Overburden

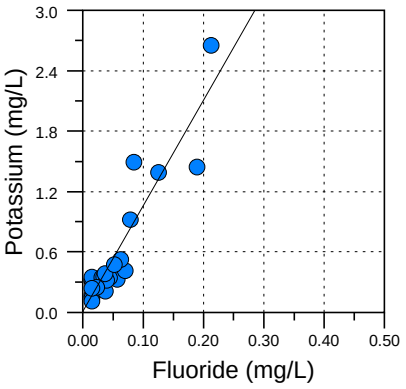
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

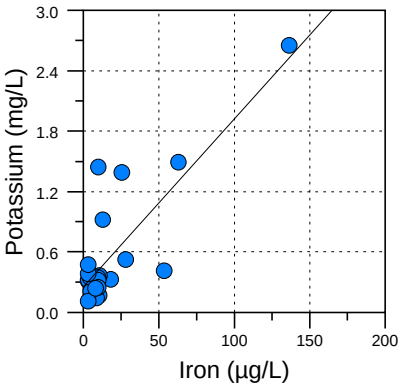


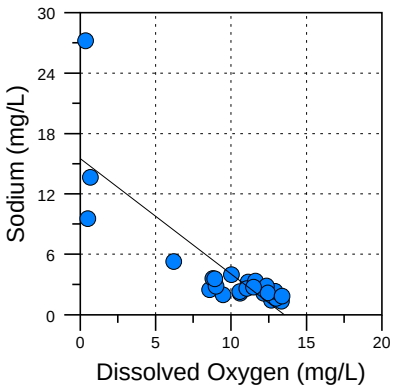


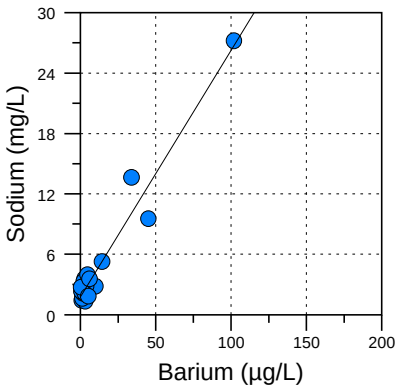


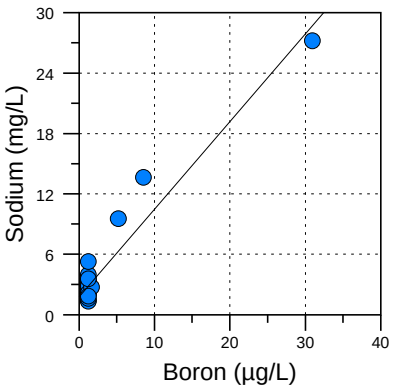












Legend

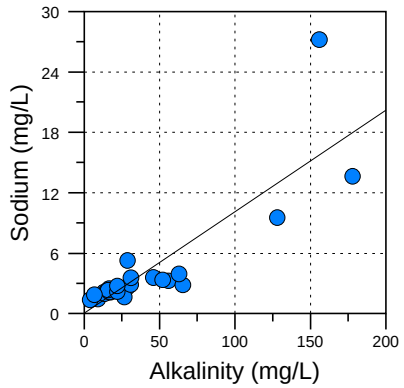
- Overburden
- Correlation Line

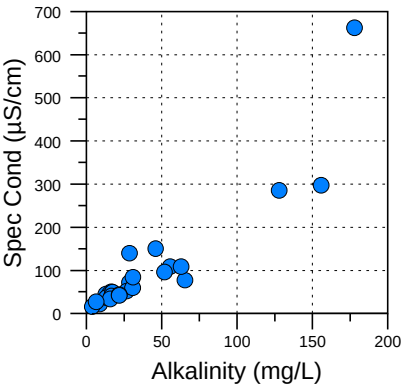
Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
ug/L = micrograms per liter
uS/L = microsiemens per liter

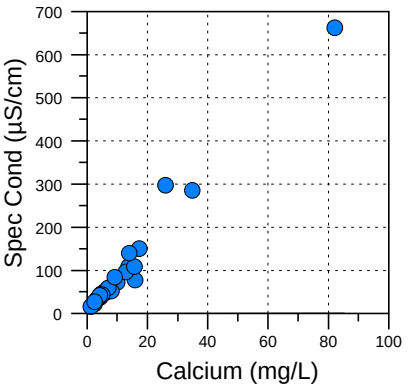
THE pebble PARTNERSHIP

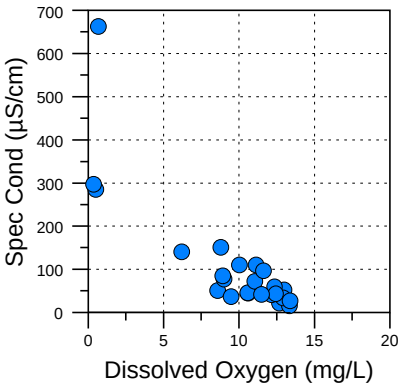
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in the Overburden

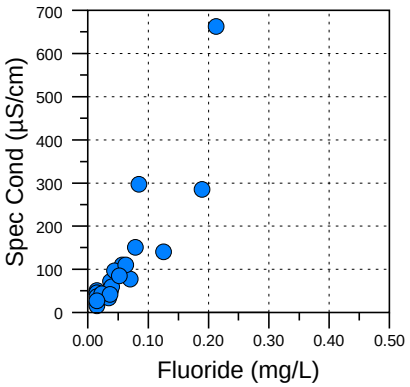
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

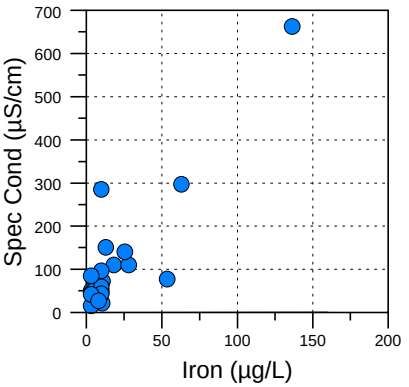


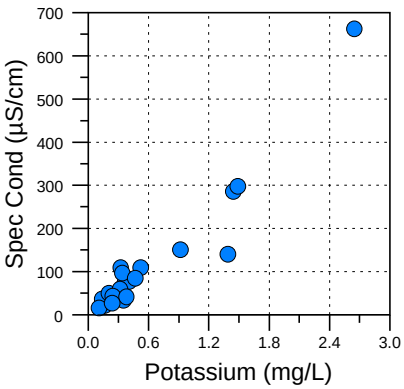


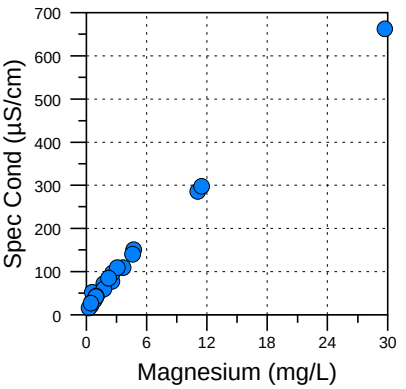


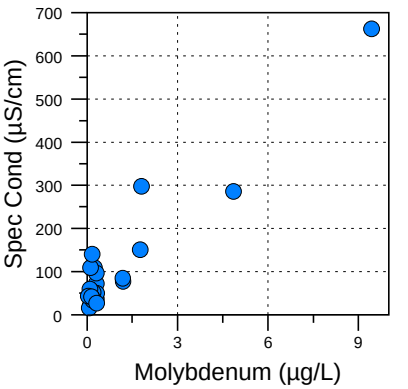












Legend

- Overburden
- Correlation Line

Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
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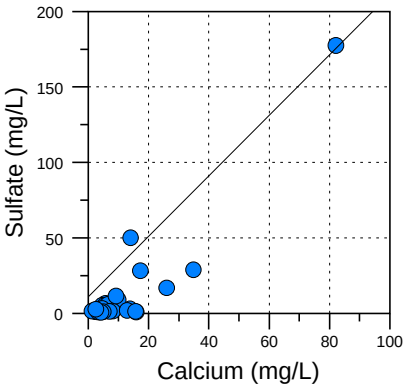
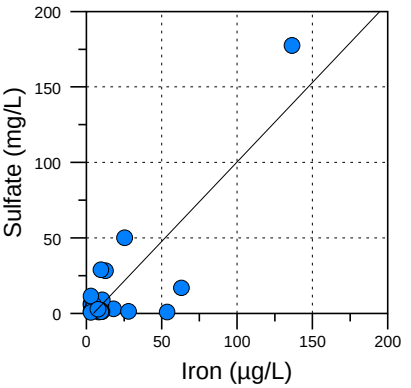
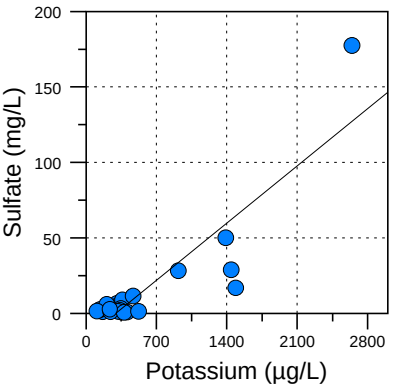
THE pebble PARTNERSHIP

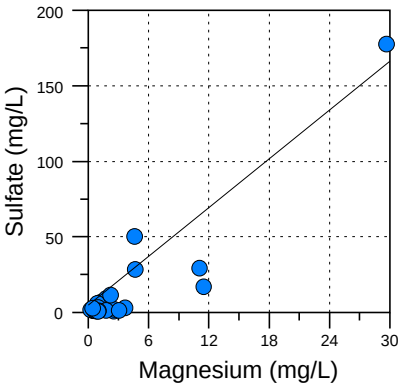
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in the Overburden

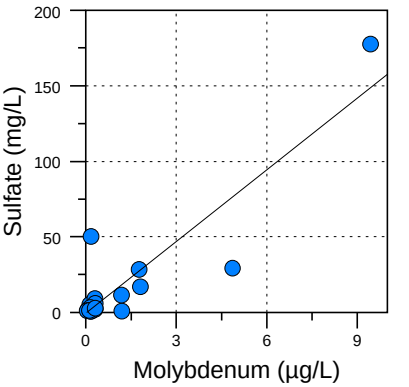
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

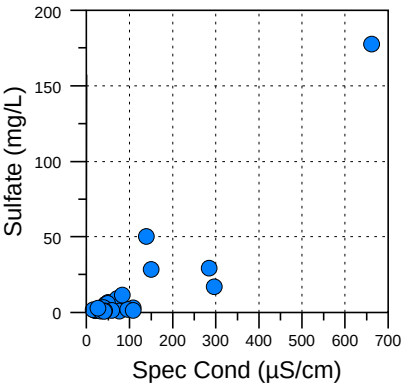


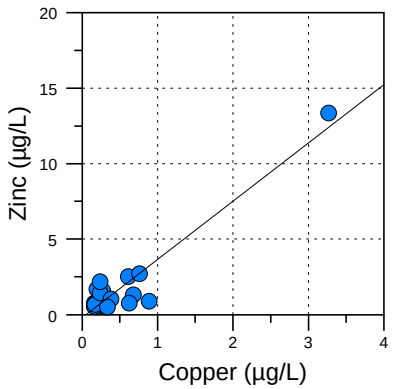


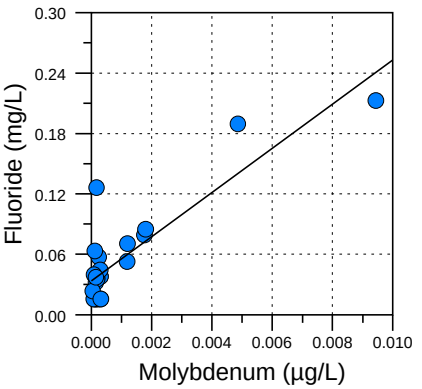












Legend

- Overburden
- Correlation Line

Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
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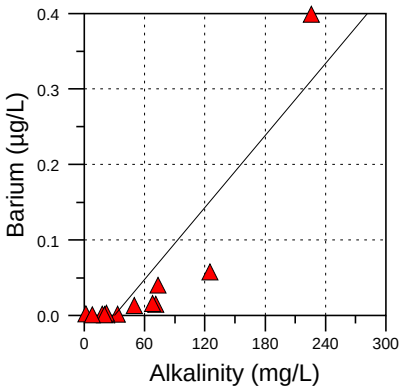
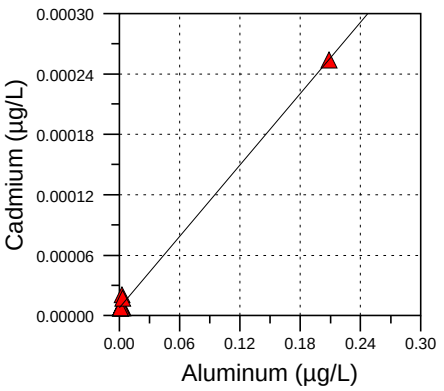
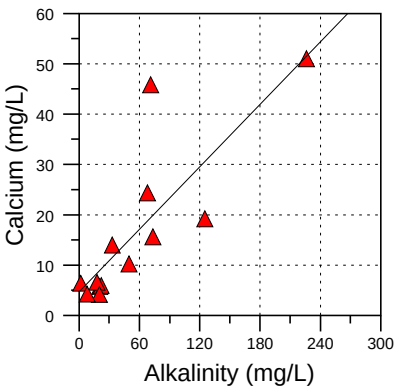
THE pebble PARTNERSHIP

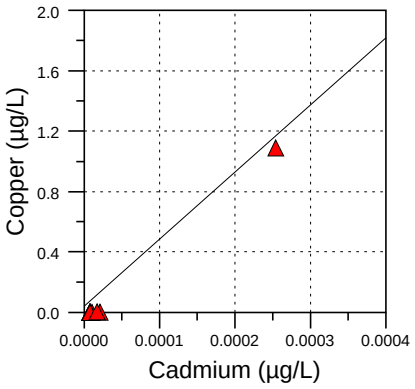
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in the Overburden

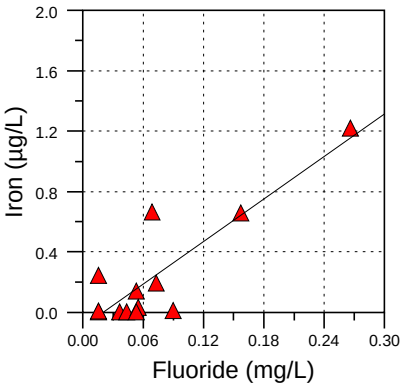
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

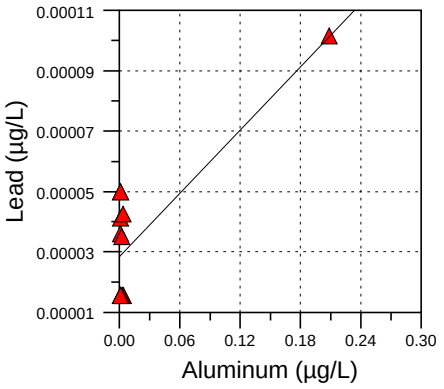


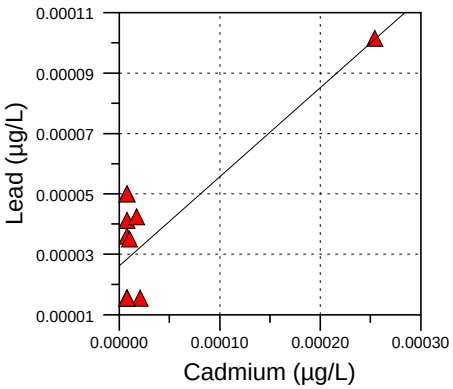


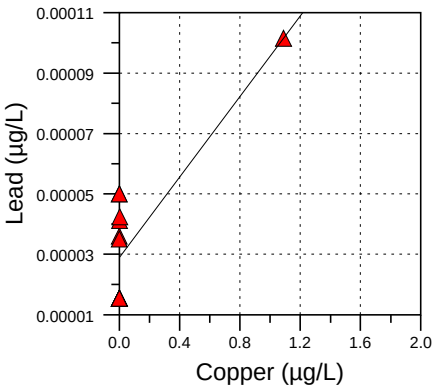


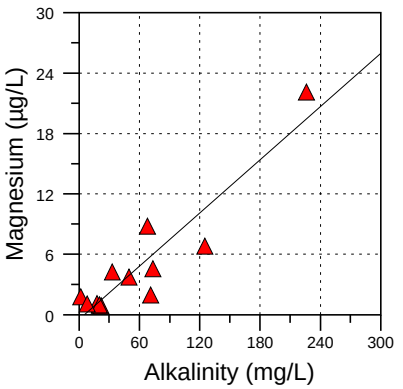












Legend

▲ Bedrock

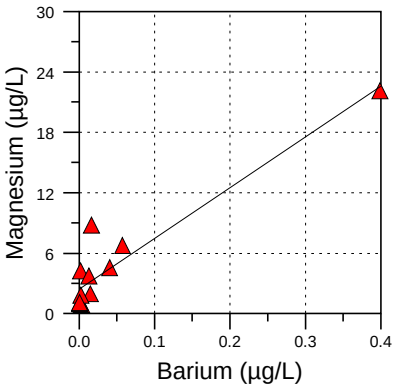
——— Correlation Line

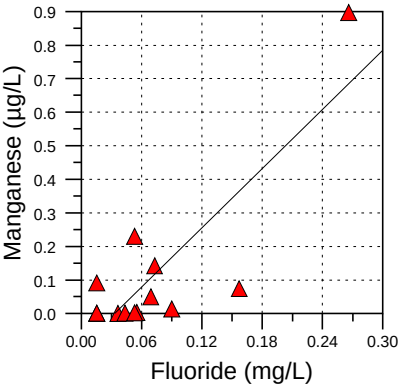
Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
ug/L = micrograms per liter
uS/L = microsiemens per liter

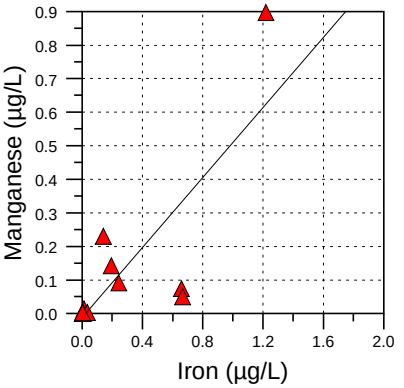
THE pebble PARTNERSHIP

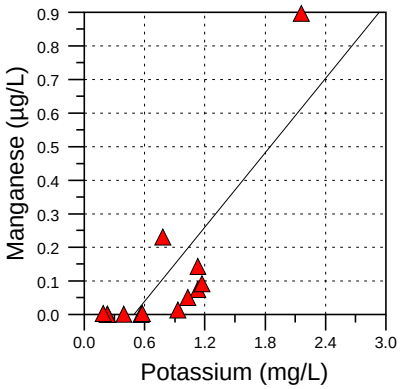
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in Bedrock

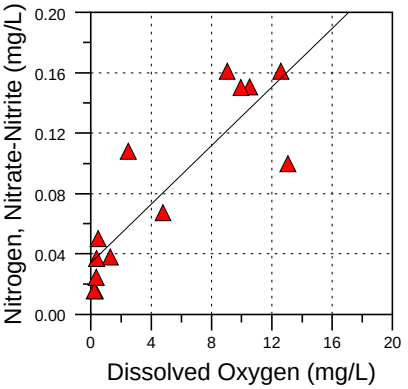
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

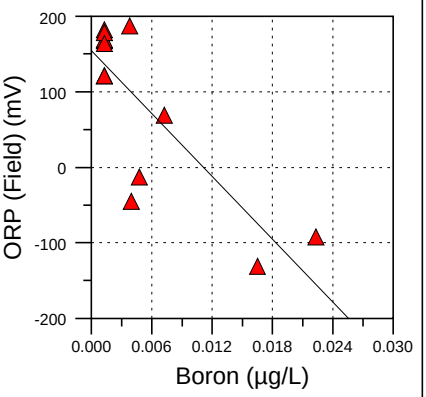


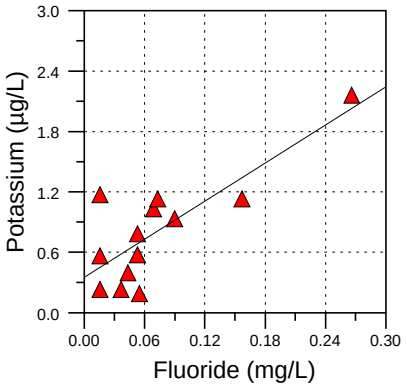


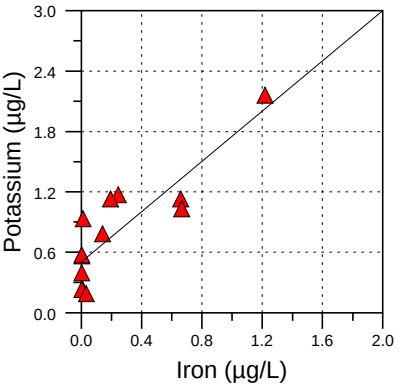


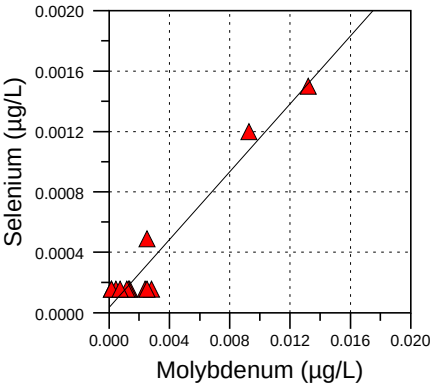












Legend

▲ Bedrock

——— Correlation Line

Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
ug/L = micrograms per liter
uS/L = microsiemens per liter

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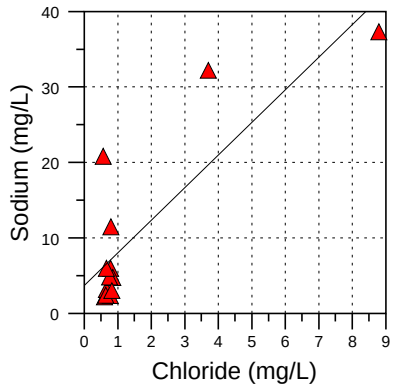
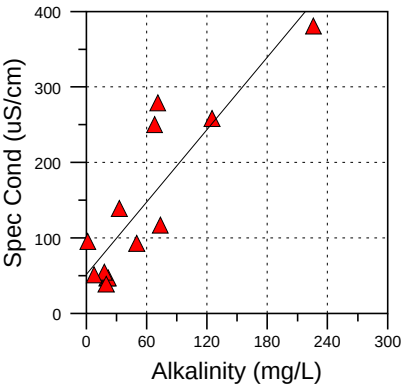
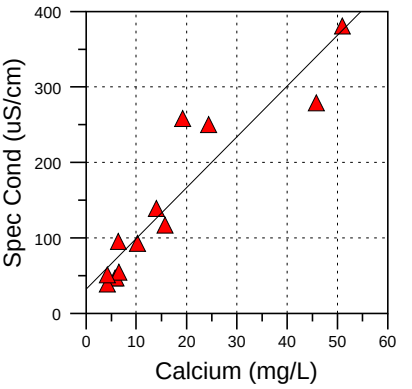
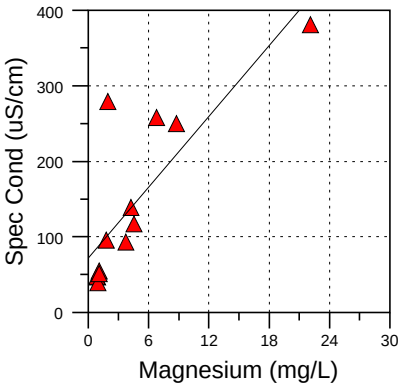
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in Bedrock

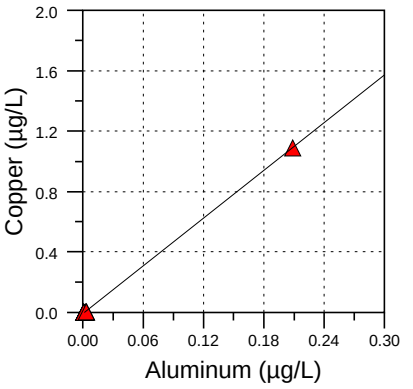
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

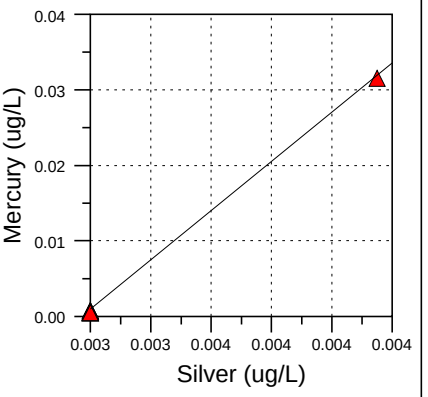


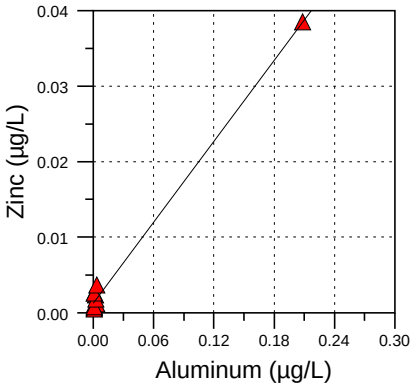


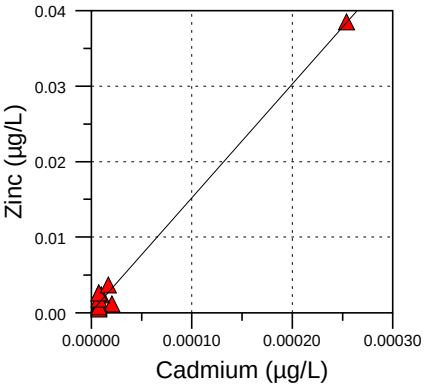


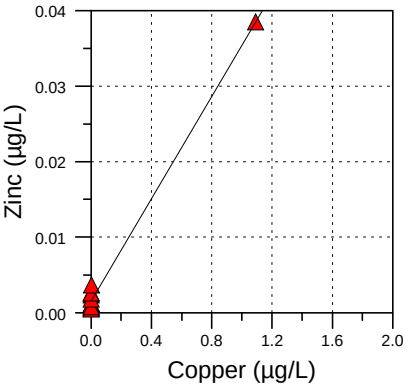












Legend

▲ Bedrock

——— Correlation Line

Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
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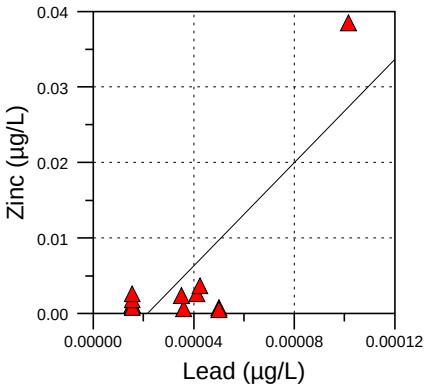
Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in Bedrock

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca



Legend

▲ Bedrock

——— Correlation Line

Notes:
1. Data plotted are medians of concentrations for years 2004-2008.
2. r represents the linear correlation coefficient between pairs of parameters. A higher value of r indicates stronger correlation between parameters. Parameter pairs with r>0.8 were plotted because this relatively high value indicates that the parameter concentrations may be related to one another. The plot is used to evaluate actual correlation.
3. mg/L = milligrams per liter
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Appendix 9.2H
Correlation Plots for Parameter Pairs with r>0.8 for Groundwater Wells in Bedrock

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

Table of Correlation Coefficients in Overburden Wells

		AG	AL	ALK	AS	B	BA	BE	BI	CA	CD	CL	CR	CU	DOield	F	FE	HG	K	MG	MN	MO	NA	NH3N	NI	NO3NO2N	ORPield	P	PB	PHield	SB	SCield	SE	SI	SO4	V	ZN
AG	µg/L	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AL	µg/L		1.00	-0.07	0.36	0.11	0.10	0.14	0.13	-0.08	0.42	0.24	0.27	-0.16	0.09	-0.10	-0.01	0.03	-0.07	-0.05	-0.02	-0.03	0.03	-0.08	0.06	0.22	0.03	-0.22	0.11	0.03	0.13	-0.06	-0.02	-0.50	-0.04	0.17	-0.15
ALK	mg/L			1.00	0.34	0.70	0.81	0.11	0.09	0.89	0.22	0.19	0.09	-0.04	-0.88	0.84	0.81	0.10	0.87	0.90	0.61	0.83	0.85	0.51	0.40	-0.38	-0.93	0.48	-0.22	0.61	0.13	0.91	0.43	0.16	0.68	-0.08	-0.02
AS	µg/L				1.00	0.24	0.29	0.09	0.08	0.26	-0.03	0.15	0.49	-0.14	-0.23	0.29	0.16	-0.01	0.25	0.22	0.23	0.25	0.25	0.19	0.05	-0.28	-0.46	0.13	-0.10	0.84	0.83	0.25	0.11	-0.09	0.11	0.61	-0.09
B	µg/L					1.00	0.95	0.05	0.04	0.41	0.00	0.19	0.23	-0.06	-0.67	0.34	0.51	0.03	0.54	0.51	0.20	0.35	0.96	0.41	0.19	-0.26	-0.73	0.06	-0.22	0.41	-0.05	0.53	0.09	-0.13	0.25	-0.14	0.05
BA	µg/L						1.00	0.10	0.10	0.53	0.07	0.29	0.16	-0.06	-0.81	0.55	0.54	0.08	0.67	0.60	0.37	0.48	0.98	0.48	0.31	-0.28	-0.83	0.19	-0.18	0.48	-0.07	0.63	0.10	-0.06	0.33	-0.15	0.04
BE	µg/L							1.00	1.00	0.12	0.08	0.04	0.13	0.10	-0.11	0.08	0.12	0.10	0.07	0.10	0.09	0.09	0.07	0.13	0.12	0.14	-0.03	-0.51	-0.32	0.17	0.00	0.11	0.07	-0.42	0.09	-0.24	0.08
BI	µg/L								1.00	0.11	0.07	0.02	0.14	0.09	-0.09	0.07	0.11	0.09	0.07	0.09	0.08	0.08	0.06	0.12	0.13	0.13	-0.03	-0.48	-0.33	0.16	-0.01	0.10	0.06	-0.39	0.08	-0.22	0.07
CA	µg/L									1.00	0.34	0.05	-0.08	0.05	-0.78	0.89	0.89	0.01	0.92	0.99	0.58	0.96	0.61	0.44	0.45	-0.31	-0.76	0.58	-0.25	0.47	0.20	0.99	0.65	0.15	0.92	-0.09	-0.01
CD	µg/L										1.00	0.44	0.14	0.06	-0.18	0.31	0.49	0.55	0.28	0.32	0.60	0.34	0.06	-0.09	0.61	-0.23	-0.13	0.25	0.13	-0.15	-0.09	0.29	0.21	0.00	0.39	-0.14	-0.05
CL	mg/L											1.00	0.26	0.13	-0.25	0.18	0.13	0.75	0.09	0.02	0.62	0.09	0.19	-0.02	0.44	0.22	-0.23	0.07	0.28	0.09	-0.07	0.03	-0.10	0.00	-0.07	-0.14	0.04
CR	µg/L												1.00	-0.14	0.08	-0.13	0.20	0.50	-0.12	-0.11	0.24	-0.20	0.14	-0.07	0.39	-0.18	-0.25	-0.19	-0.10	0.43	0.41	-0.10	-0.22	0.04	-0.22	0.47	-0.14
CU	µg/L													1.00	0.07	0.06	0.05	0.00	0.00	0.02	0.05	0.04	-0.05	-0.17	0.12	-0.03	0.07	-0.09	-0.19	-0.09	0.03	0.03	-0.01	-0.10	0.10	-0.17	0.95
DOield	mg/L														1.00	-0.84	-0.67	-0.07	-0.88	-0.81	-0.55	-0.76	-0.82	-0.54	-0.44	0.31	0.85	-0.48	0.13	-0.45	0.01	-0.83	-0.37	-0.12	-0.65	0.21	0.04
F	mg/L															1.00	0.70	0.03	0.92	0.87	0.61	0.87	0.57	0.46	0.56	-0.35	-0.75	0.70	-0.19	0.50	0.15	0.89	0.51	0.34	0.79	0.00	0.04
FE	µg/L																1.00	0.25	0.82	0.90	0.60	0.80	0.64	0.30	0.62	-0.34	-0.70	0.44	-0.25	0.34	0.12	0.88	0.55	0.14	0.84	-0.13	-0.03
HG	µg/L																	1.00	-0.05	-0.05	0.69	-0.01	0.02	-0.06	0.53	-0.07	-0.11	-0.01	0.24	-0.05	-0.10	-0.06	-0.07	0.18	-0.11	-0.21	-0.09
K	µg/L																		1.00	0.94	0.48	0.88	0.73	0.50	0.55	-0.33	-0.76	0.64	-0.30	0.46	0.14	0.95	0.60	0.23	0.88	-0.08	-0.01
MG	µg/L																			1.00	0.52	0.95	0.69	0.47	0.43	-0.30	-0.78	0.57	-0.26	0.43	0.13	1.00	0.63	0.10	0.93	-0.13	-0.01
MN	µg/L																				1.00	0.61	0.32	0.25	0.58	-0.33	-0.60	0.43	0.22	0.29	0.02	0.52	0.21	0.20	0.40	-0.17	-0.05
MO	µg/L																					1.00	0.54	0.49	0.34	-0.24	-0.72	0.61	-0.12	0.39	0.15	0.95	0.66	0.06	0.90	-0.17	-0.02
NA	µg/L																						1.00	0.47	0.31	-0.30	-0.83	0.24	-0.25	0.48	-0.03	0.71	0.22	0.00	0.45	-0.14	0.04
NH3N	mg/L																							1.00	0.02	-0.15	-0.53	0.18	-0.37	0.37	0.11	0.48	0.51	-0.10	0.33	-0.21	-0.04
NI	µg/L																								1.00	-0.23	-0.38	0.42	-0.18	0.17	-0.01	0.43	0.14	0.39	0.48	0.08	0.01
NO3NO2N	mg/L																									1.00	0.38	-0.38	0.01	-0.30	-0.22	-0.30	-0.03	-0.38	-0.21	-0.15	-0.14
ORPield	mV																										1.00	-0.43	0.20	-0.67	-0.22	-0.80	-0.23	-0.07	-0.53	-0.06	0.04
P	mg/L																											1.00	0.07	0.23	0.12	0.57	0.39	0.68	0.58	0.25	-0.11
PB	µg/L																												1.00	-0.29	-0.34	-0.28	-0.29	0.10	-0.28	-0.13	-0.23
PHield																														1.00	0.68	0.48	0.18	0.11	0.25	0.57	-0.03
SB	µg/L																														1.00	0.16	0.26	-0.01	0.15	0.65	0.04
SCield	uS/cm																															1.00	0.63	0.12	0.91	-0.11	0.00
SE	µg/L																																1.00	0.12	0.71	-0.16	-0.05
SI	µg/L																																	1.00	0.11	0.27	-0.10
SO4	mg/L																																		1.00	-0.11	0.02
V	µg/L																																			1.00	-0.15
ZN	µg/L																																				1.00

Note: The highlighted values indicate all correlation coefficients greater than 0.8 or less than-0.8.

Table of Correlation Coefficients in Bedrock Wells

		AG	AL	ALK	AS	B	BA	BE	BI	CA	CD	CL	CR	CU	DOield	F	FE	HG	K	MG	MN	MO	NA	NH3N	NI	NO3NO2N	ORPield	P	PB	PHield	SB	SCield	SE	SI	SO4	V	ZN
AG	µg/L	1.00	-0.07	-0.24	-0.11	-0.06	-0.12	-0.26	0.00	-0.24	-0.05	-0.10	-0.12	-0.08	0.29	-0.08	-0.19	1.00	-0.13	-0.18	-0.14	-0.03	-0.19	-0.09	0.02	0.35	0.28	-0.07	0.10	-0.30	-0.24	-0.24	0.08	0.06	-0.09	-0.23	-0.02
AL	µg/L		1.00	-0.27	0.06	-0.17	-0.12	0.57	0.00	-0.19	1.00	-0.10	0.52	1.00	-0.28	-0.01	0.34	-0.08	0.13	-0.14	-0.08	0.50	-0.14	-0.17	0.62	-0.31	0.21	0.01	0.82	-0.61	0.42	-0.12	0.56	0.30	0.16	0.10	1.00
ALK	mg/L			1.00	0.07	0.46	0.90	0.13	0.00	0.82	-0.29	0.18	-0.63	-0.27	-0.56	0.28	0.22	-0.24	0.41	0.93	0.23	-0.23	0.37	0.33	0.11	-0.51	-0.68	-0.06	-0.51	0.66	-0.08	0.88	-0.32	-0.32	0.00	-0.33	-0.25
AS	µg/L				1.00	0.53	-0.03	0.02	0.00	-0.01	0.05	-0.11	-0.20	0.06	-0.36	-0.18	0.11	-0.11	0.28	0.00	0.02	-0.06	0.30	0.79	-0.12	-0.44	-0.59	0.52	-0.13	0.43	0.66	-0.04	-0.07	-0.09	-0.15	-0.19	0.06
B	µg/L					1.00	0.14	0.51	0.00	0.27	-0.19	0.35	-0.73	-0.18	-0.50	0.23	0.33	-0.06	0.37	0.21	0.07	-0.15	0.77	0.63	-0.14	-0.47	-0.81	0.13	-0.43	0.56	0.35	0.42	-0.27	-0.26	0.07	-0.35	-0.18
BA	µg/L						1.00	-0.02	0.00	0.71	-0.12	-0.07	-0.40	-0.11	-0.36	0.06	0.03	-0.12	0.24	0.94	0.06	-0.20	0.01	0.12	0.17	-0.33	-0.39	-0.17	-0.30	0.43	-0.24	0.71	-0.19	-0.31	-0.19	-0.25	-0.08
BE	µg/L							1.00	0.00	-0.05	0.56	0.17	-0.09	0.58	-0.42	0.28	0.49	-0.26	0.22	0.03	-0.09	0.29	0.37	-0.08	0.23	-0.37	-0.27	-0.15	0.32	-0.23	0.28	0.20	0.23	0.09	0.11	-0.06	0.55
BI	µg/L								1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CA	µg/L									1.00	-0.21	0.56	-0.49	-0.20	-0.62	0.27	0.22	-0.23	0.45	0.74	0.40	-0.09	0.55	0.48	0.50	-0.58	-0.54	0.00	-0.48	0.67	0.10	0.93	-0.21	-0.32	0.50	-0.25	-0.18
CD	µg/L										1.00	-0.12	0.54	1.00	-0.27	-0.01	0.33	-0.05	0.13	-0.15	-0.08	0.54	-0.16	-0.19	0.62	-0.29	0.23	0.03	0.82	-0.63	0.42	-0.13	0.60	0.33	0.16	0.11	1.00
CL	mg/L											1.00	-0.36	-0.11	-0.31	0.07	0.04	-0.09	0.05	-0.09	0.12	-0.04	0.84	0.45	0.47	-0.28	-0.19	-0.26	-0.30	0.38	0.28	0.46	-0.17	-0.36	0.77	-0.09	-0.12
CR	µg/L												1.00	0.52	0.19	-0.29	-0.18	-0.12	-0.31	-0.43	-0.22	0.49	-0.59	-0.50	0.24	0.31	0.66	-0.01	0.52	-0.70	0.13	-0.55	0.57	0.35	-0.05	0.21	0.51
CU	µg/L													1.00	-0.27	-0.02	0.34	-0.08	0.12	-0.14	-0.08	0.49	-0.14	-0.18	0.61	-0.30	0.22	0.00	0.82	-0.61	0.41	-0.13	0.56	0.30	0.15	0.10	1.00
DOield	mg/L														1.00	-0.49	-0.62	0.29	-0.73	-0.54	-0.45	-0.40	-0.58	-0.51	-0.58	0.87	0.74	-0.42	0.17	-0.34	-0.66	-0.74	-0.24	-0.17	-0.48	0.31	-0.30
F	mg/L															1.00	0.87	-0.08	0.80	0.37	0.83	0.21	0.25	-0.06	0.16	-0.48	-0.48	0.55	-0.06	0.13	-0.01	0.53	0.04	0.48	0.46	-0.06	0.00
FE	µg/L																1.00	-0.19	0.86	0.30	0.80	0.17	0.31	0.13	0.30	-0.66	-0.56	0.58	0.19	0.10	0.24	0.46	0.02	0.35	0.44	-0.14	0.35
HG	µg/L																	1.00	-0.12	-0.18	-0.13	-0.03	-0.19	-0.09	0.02	0.35	0.28	-0.06	0.10	-0.29	-0.24	-0.24	0.08	0.06	-0.08	-0.22	-0.03
K	µg/L																		1.00	0.51	0.82	0.25	0.36	0.36	0.32	-0.71	-0.70	0.75	-0.07	0.34	0.28	0.63	0.11	0.33	0.46	-0.08	0.15
MG	µg/L																			1.00	0.34	-0.08	0.08	0.14	0.17	-0.49	-0.57	0.10	-0.34	0.47	-0.15	0.82	-0.14	-0.09	-0.05	-0.26	-0.11
MN	µg/L																				1.00	-0.03	0.24	0.22	0.23	-0.52	-0.48	0.67	-0.09	0.36	0.06	0.50	-0.19	0.27	0.56	-0.10	-0.06
MO	µg/L																					1.00	-0.04	-0.19	0.52	-0.15	0.11	0.31	0.22	-0.48	0.44	0.02	0.97	0.65	0.34	0.23	0.49
NA	µg/L																						1.00	0.71	0.28	-0.55	-0.65	0.05	-0.44	0.60	0.48	0.58	-0.22	-0.29	0.61	-0.24	-0.16
NH3N	mg/L																							1.00	0.15	-0.57	-0.70	0.36	-0.43	0.75	0.61	0.37	-0.28	-0.34	0.31	-0.28	-0.17
NI	µg/L																								1.00	-0.48	0.02	0.02	0.28	-0.15	0.43	0.45	0.47	0.11	0.71	-0.10	0.63
NO3NO2N	mg/L																									1.00	0.74	-0.45	-0.02	-0.38	-0.65	-0.66	-0.02	-0.22	-0.43	0.08	-0.32
ORPield	mV																										1.00	-0.48	0.50	-0.75	-0.40	-0.68	0.28	0.09	-0.16	0.37	0.20
P	mg/L																											1.00	-0.06	0.20	0.41	0.10	0.22	0.56	0.23	0.09	0.03
PB	µg/L																												1.00	-0.78	0.11	-0.43	0.35	0.38	-0.04	0.32	0.82
PHield																														1.00	0.09	0.60	-0.62	-0.52	0.16	-0.31	-0.61
SB	µg/L																														1.00	0.09	0.36	0.24	0.38	-0.08	0.42
SCield	uS/cm																															1.00	-0.14	-0.16	0.47	-0.28	-0.11
SE	µg/L																																1.00	0.63	0.18	0.29	0.56
SI	µg/L																																	1.00	0.12	0.47	0.31
SO4	mg/L																																		1.00	0.02	0.15
V	µg/L																																			1.00	0.06
ZN	µg/L																																				1.00

Note: The highlighted values indicate all correlation coefficients greater than 0.8 or less than-0.8.

APPENDIX 9.2I

Temporal Trend Analysis of Individual Sampling Events at Individual Groundwater Monitoring Well Locations, Mine Study Area 2004-2008

APPENDIX 9.2I
TEMPORAL TREND ANALYSIS OF INDIVIDUAL SAMPLING EVENTS AT INDIVIDUAL GROUNDWATER MONITORING WELL LOCATIONS, MINE STUDY AREA (2004-2008)

Appendix 9.2I Temporal Trend Analysis of Individual Sampling Events at Individual Groundwater Monitoring Well Locations, Mine Study Area (2004-2008)

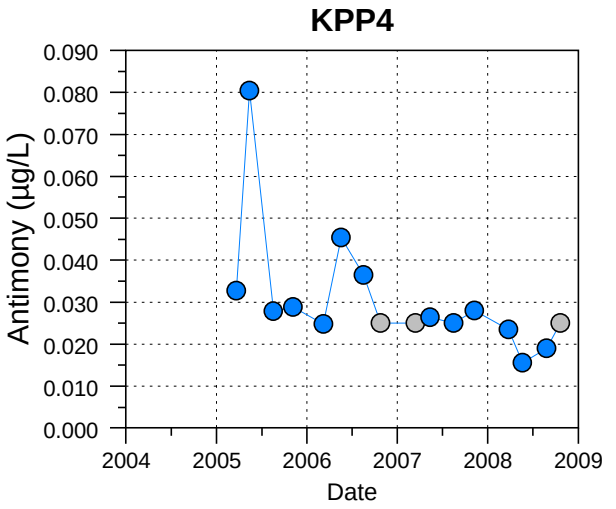
Table of Contents

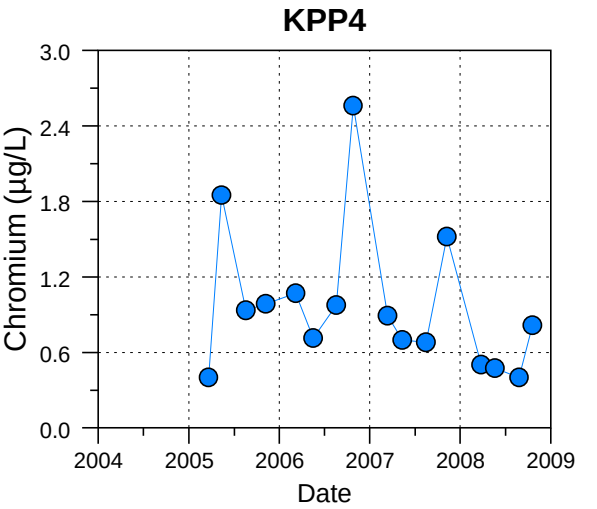
Parameters with Decreasing Trend Over Time for the Following Groundwater Monitoring Well Locations:

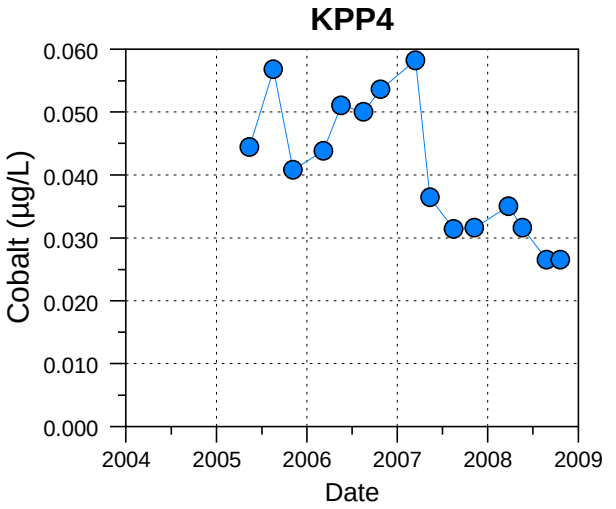
KPP4, MW10 1
MW10, MW11D 2
MW11D, MW11M 3
MW11M, MW11S 4
MW11S, MW11SS 5
MW11SS 6
MW11SS, MW12D 7
MW12D 8
MW12S 9
MW12S, MW13D 10
MW13D 11
MW13D 12
MW13S, MW14D 13
MW14D, MW14S 14
MW14S, MW1D 15
MW1D, MW1M 16
MW1M, MW1S, MW2D 17
MW2D, MW5D 18
MW5D, MW5M 19
MW5M, MW5S 20
MW5S 21
MW6D 22
MW7D 23
MW7D, MW7S 24
MW7S, MW8D 25
MW8D, MW8M 26
MW8M, MW8S 27
MW9D, P0637D, P0637M 28
P0637M, P0638M 29
P0638M, P4S 30
PQ4 31
SRK2 32
SRK2, SRK3 33
SRK3, SRK5D, SRK5M 34
SRK5S 35

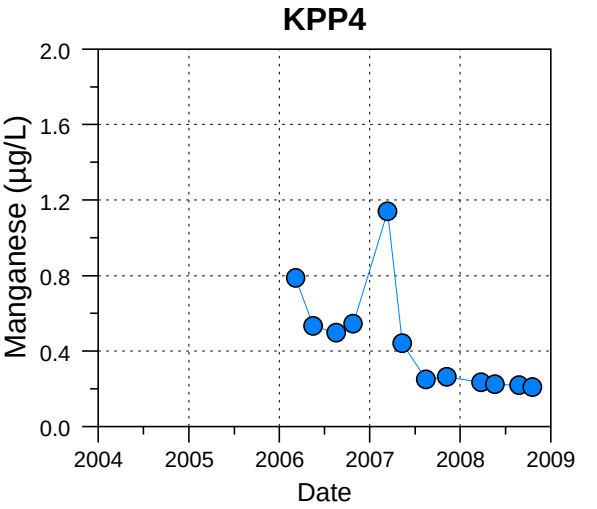
Parameters with Increasing Trend Over Time for the Following Groundwater Monitoring Well Locations:

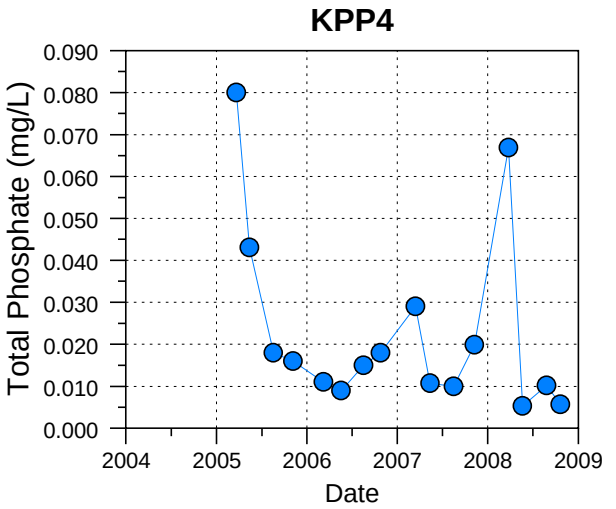
KPP4, MW11D, MW11S 36
MW11S, MW12D, MW12S 37
MW12S, MW13D, MW14D 38
MW14D 39
MW14D, MW14S, MW1M, MW1S, MW2D 40
MW2D, MW3D 41
MW5D 42
MW5D, MW5M 43
MW5M, MW5S, MW7D, MW7S, MW8D 44
MW8D, MW8M, MW8S, MW9D 45
MW9D, P0637D, P0637M 46
P0637S, P0638M, P4S, PQ4, ... 47
PQ4, SRK2, SRK3 48
SRK3, SRK5D, SRK5S 49

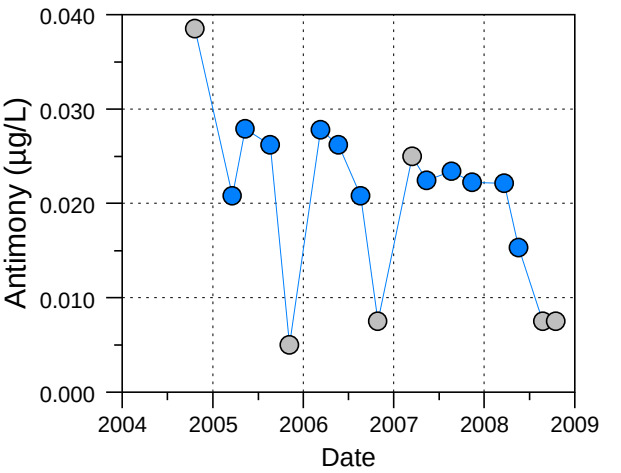












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
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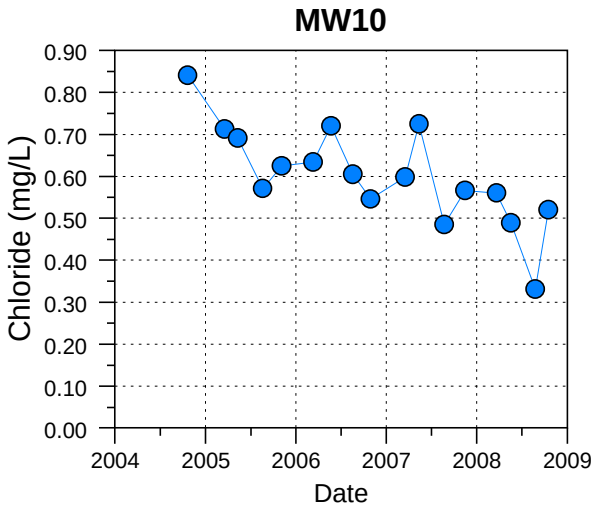
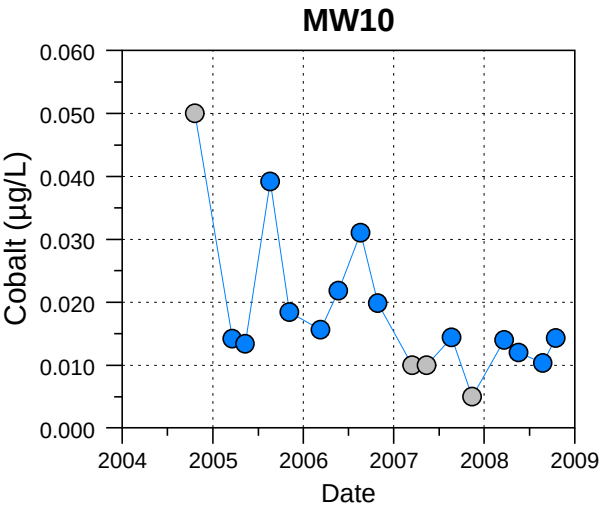
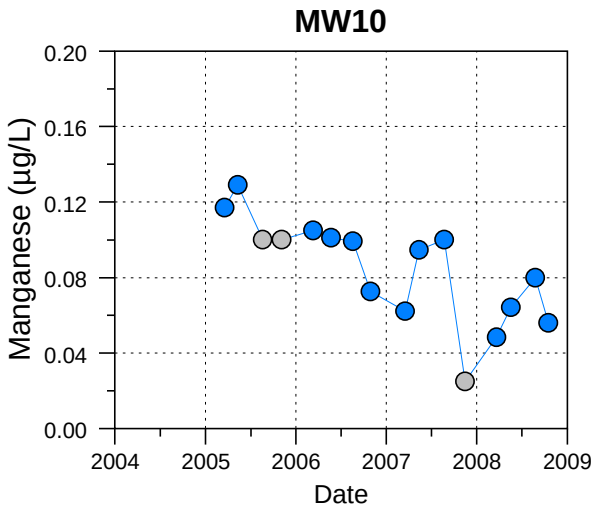
THE pebble PARTNERSHIP

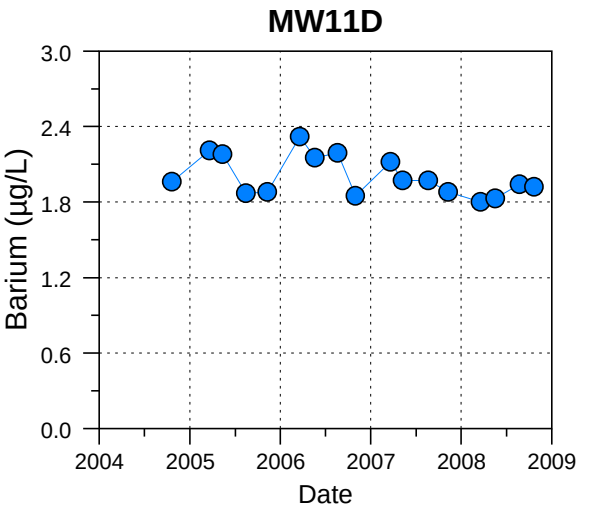
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

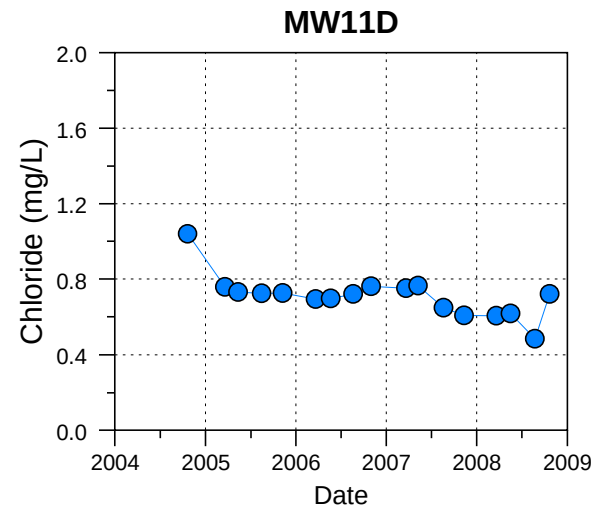
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

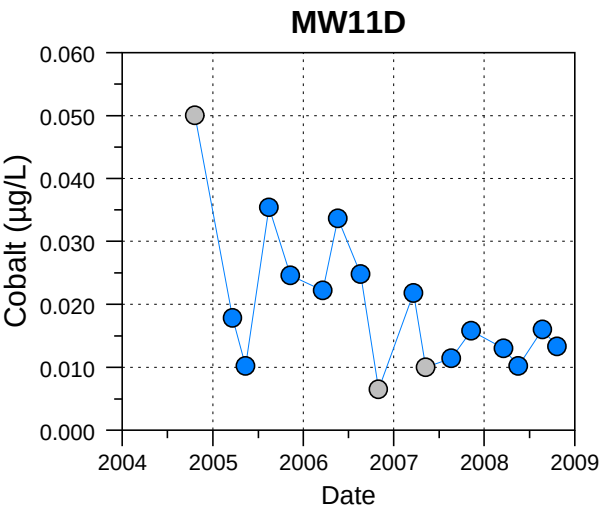












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
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THE pebble PARTNERSHIP

Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

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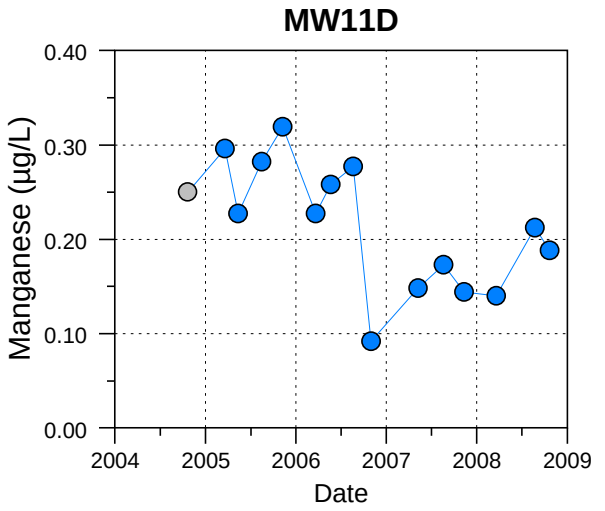
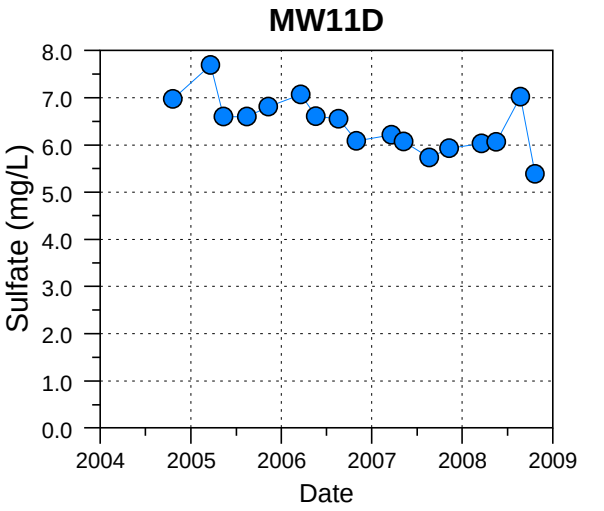
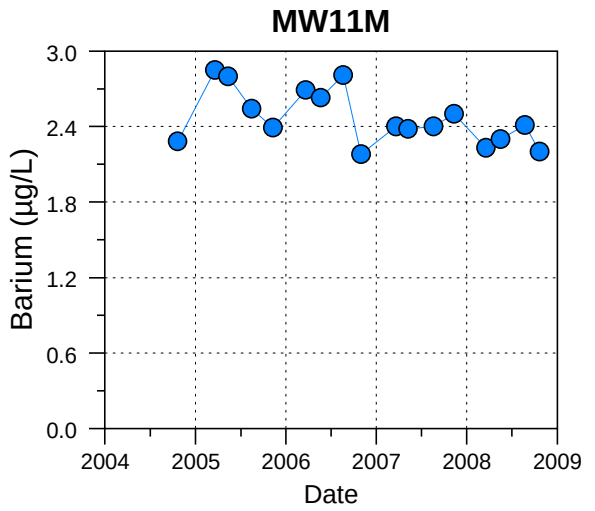
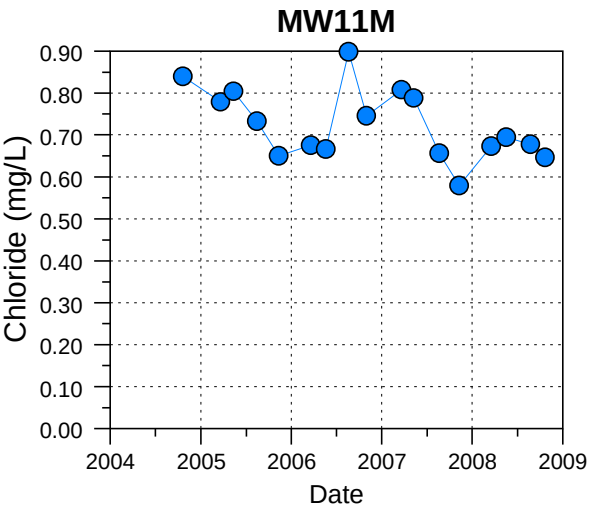
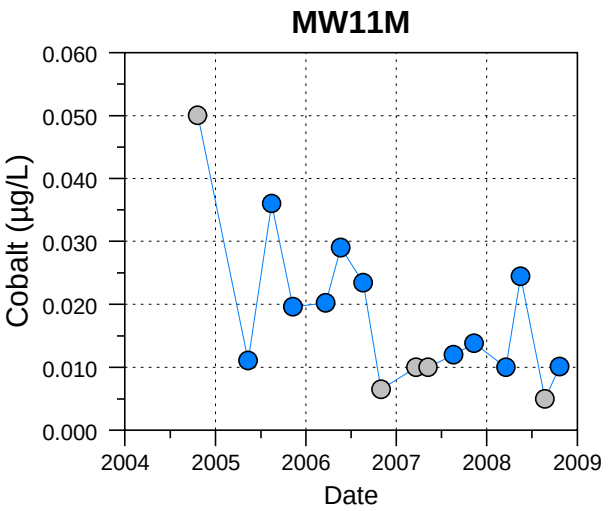
Version: 1	Author: SWS-ca

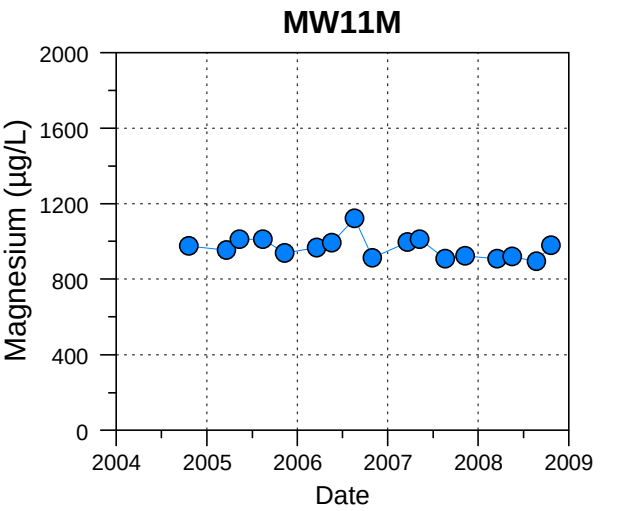












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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THE pebble PARTNERSHIP

Appendix 9.2I
Trend Analysis
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Parameters with Decreasing Trend

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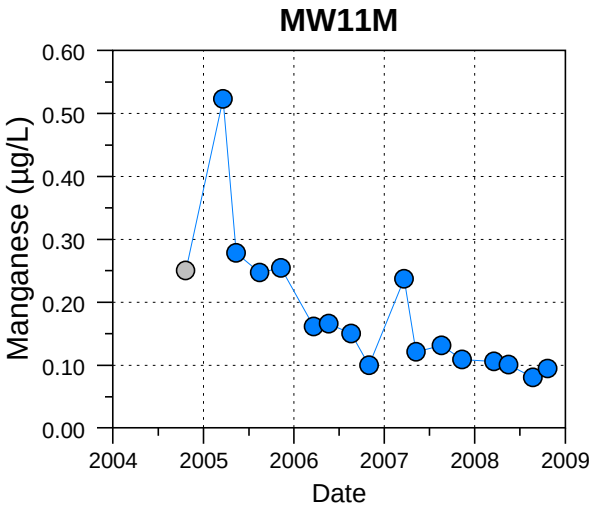
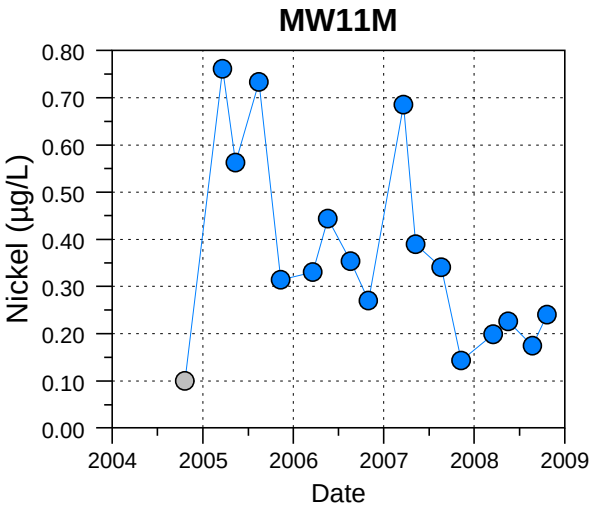
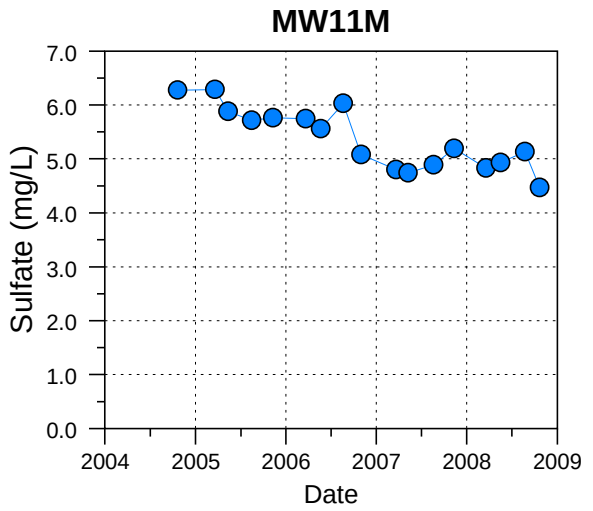
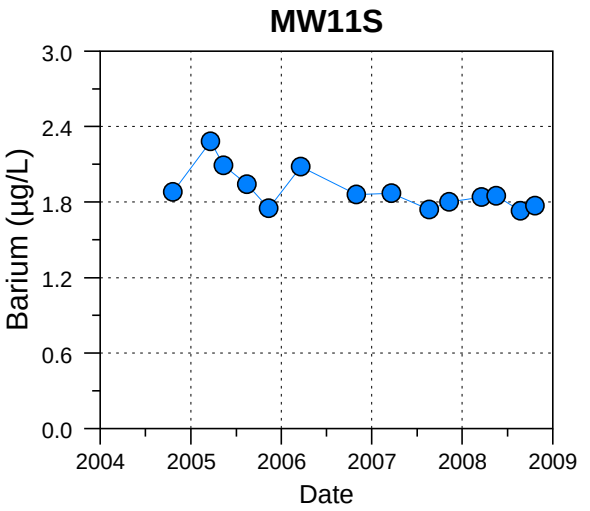
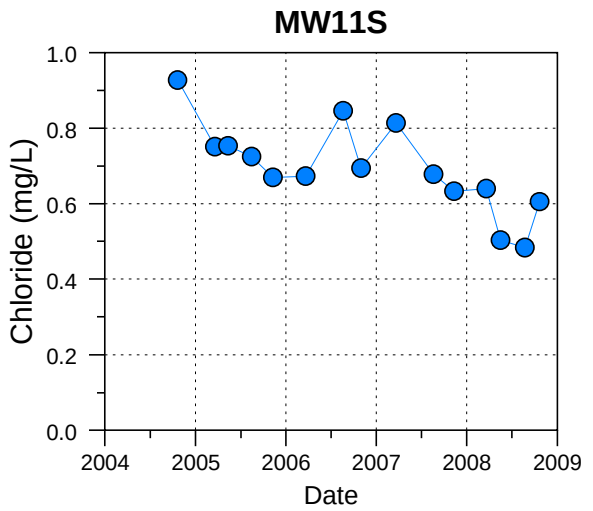
Version: 1	Author: SWS-ca

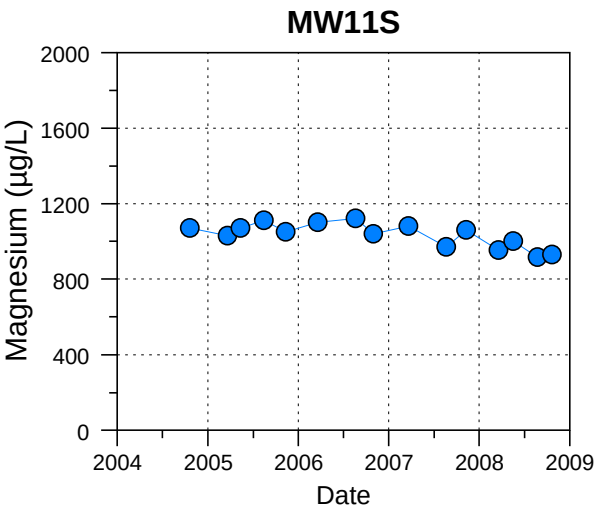












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
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Appendix 9.2I
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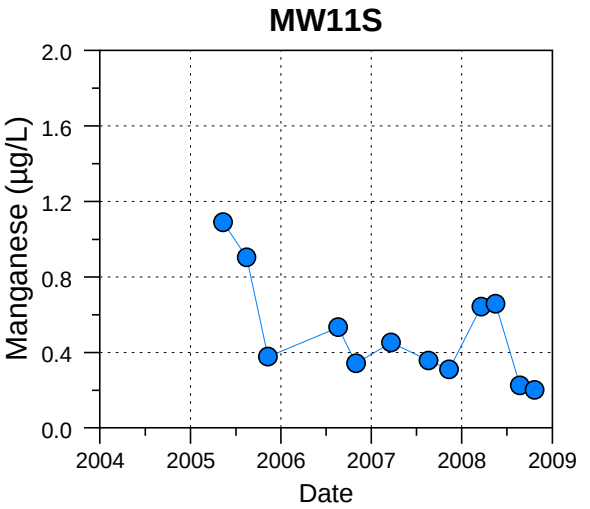

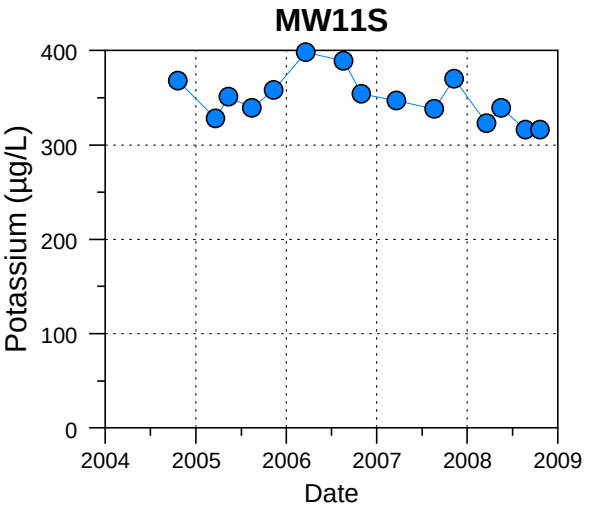

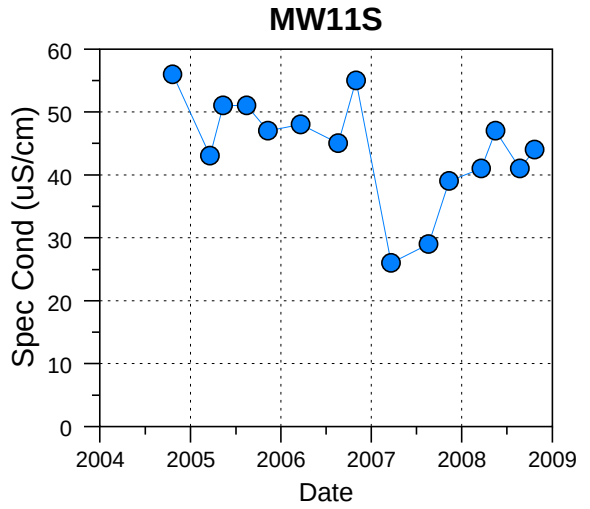

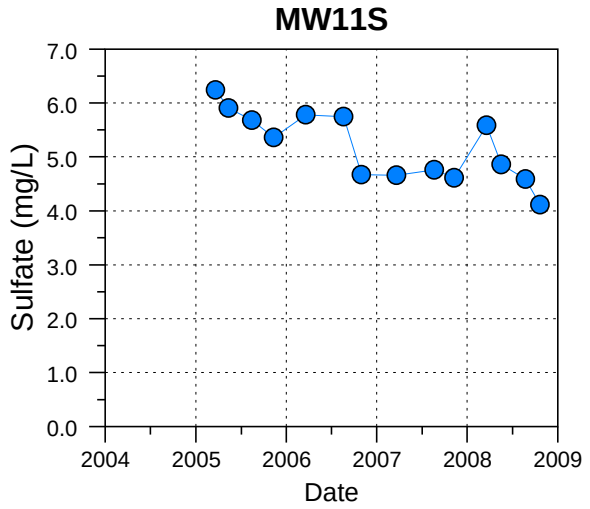

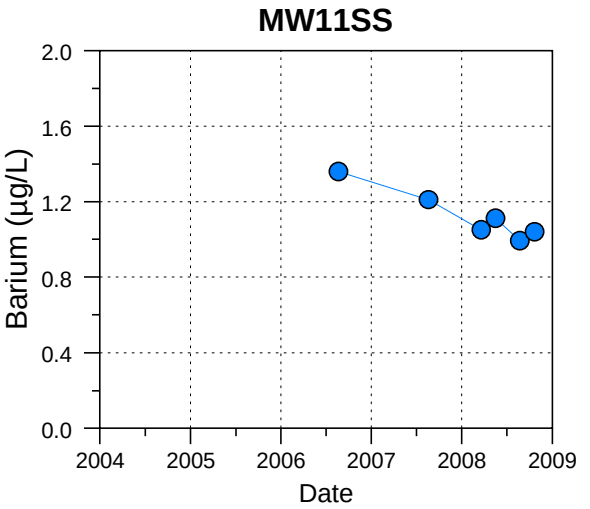

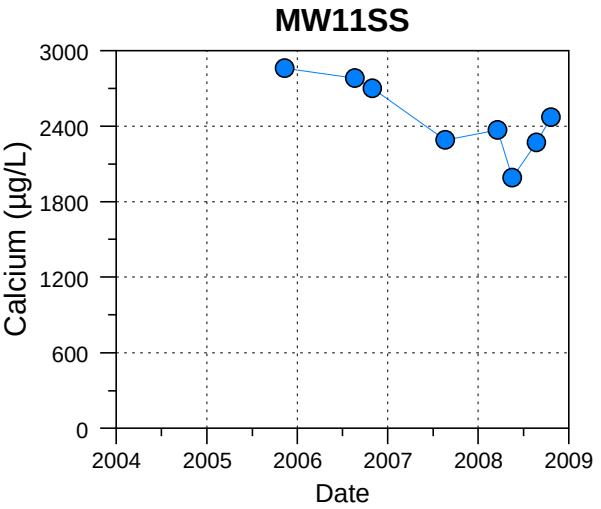

Legend

Analytical Result

Not Detected

Notes:
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THE pebble PARTNERSHIP

Appendix 9.2I
Trend Analysis
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Parameters with Decreasing Trend

File: 7126	Date: Jul 07, 2011
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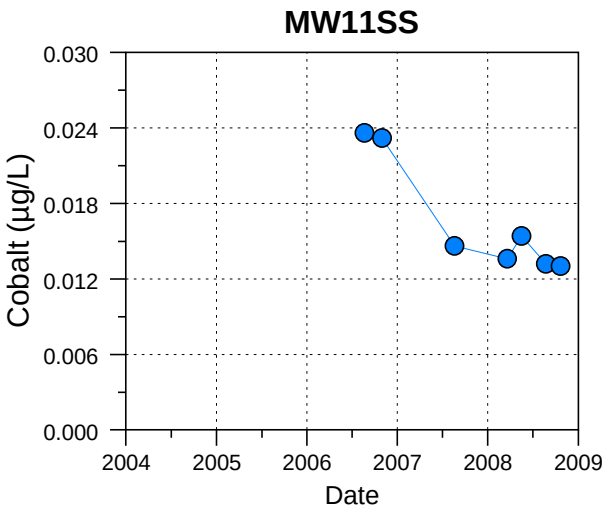

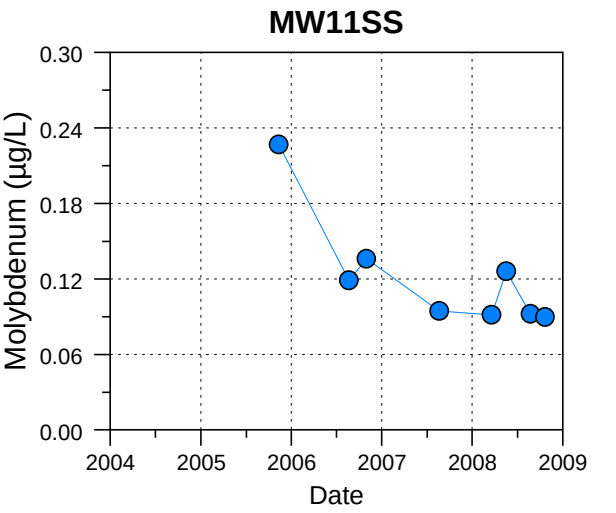

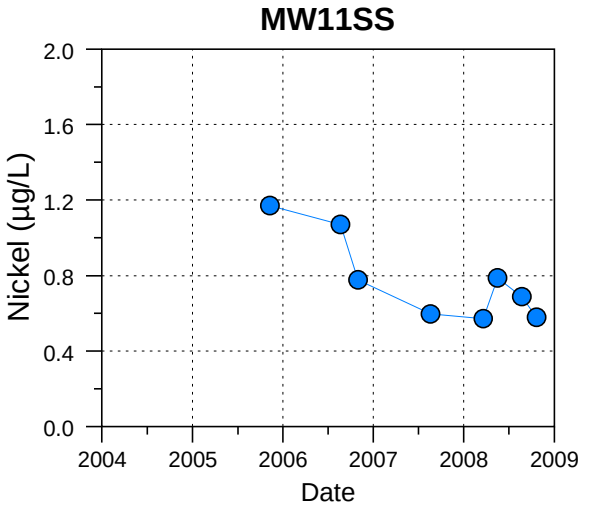

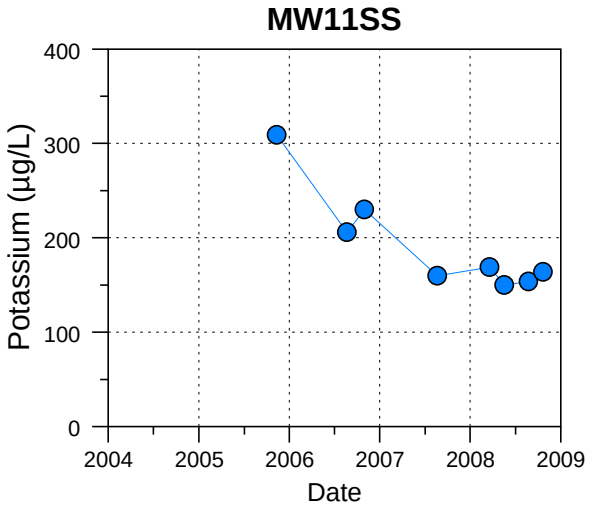

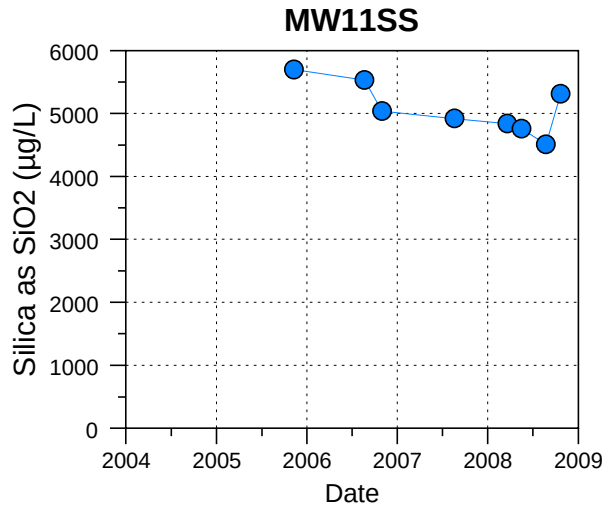

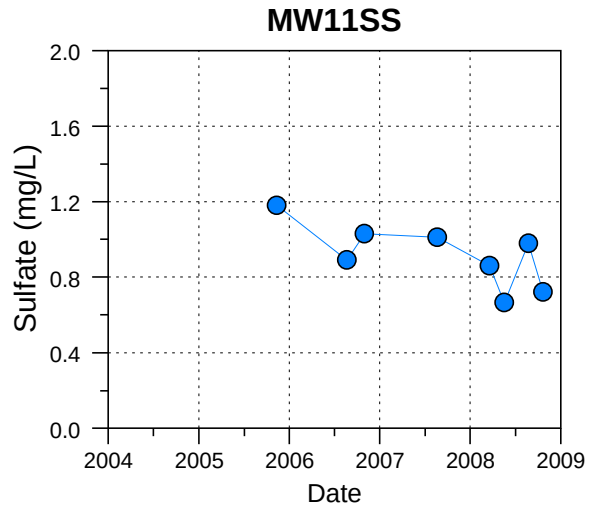

Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
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THE pebble PARTNERSHIP

Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

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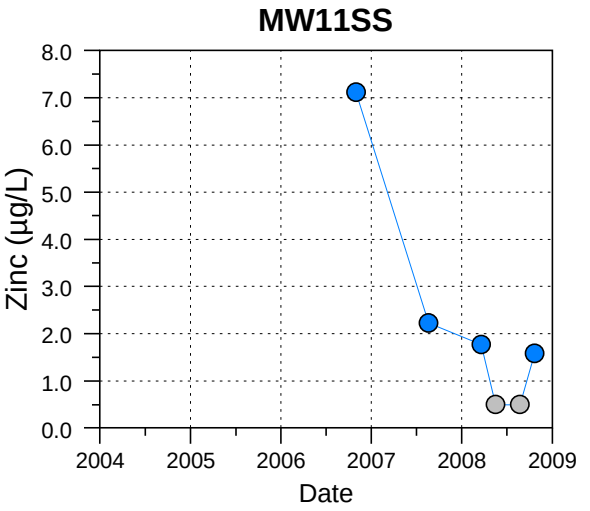

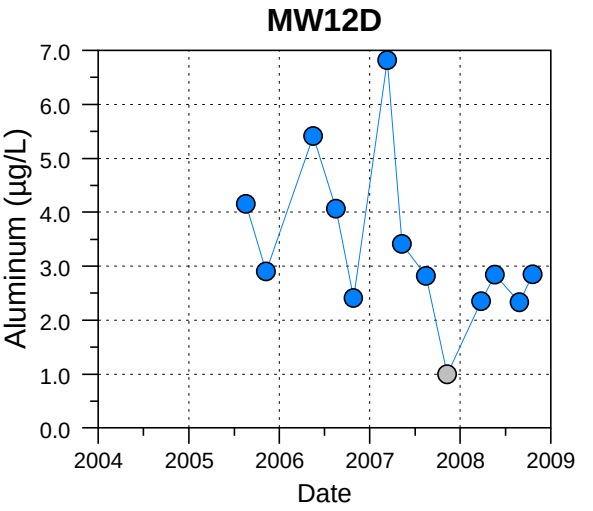

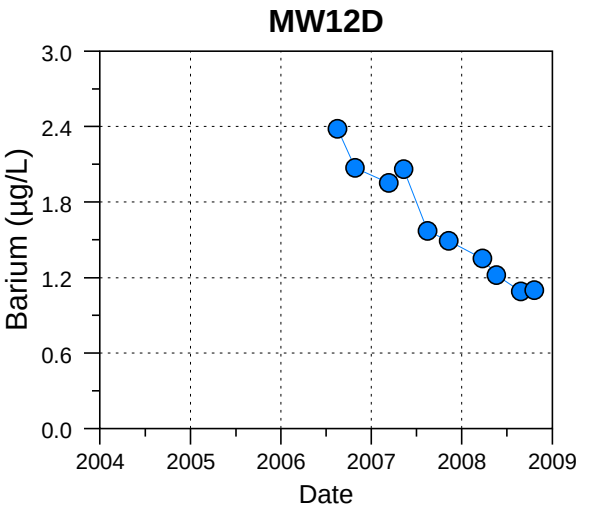

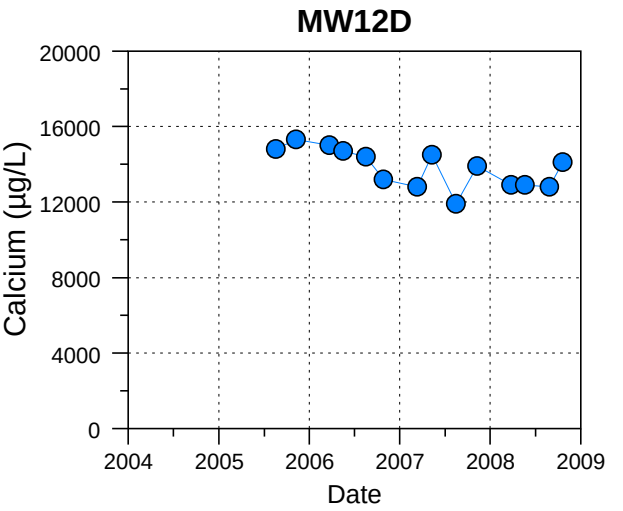

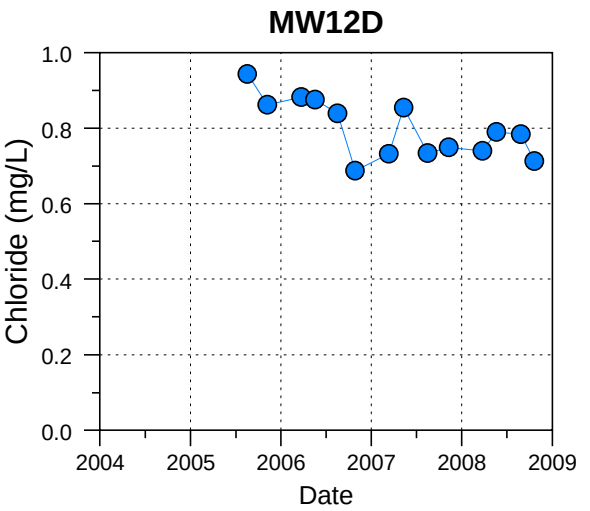

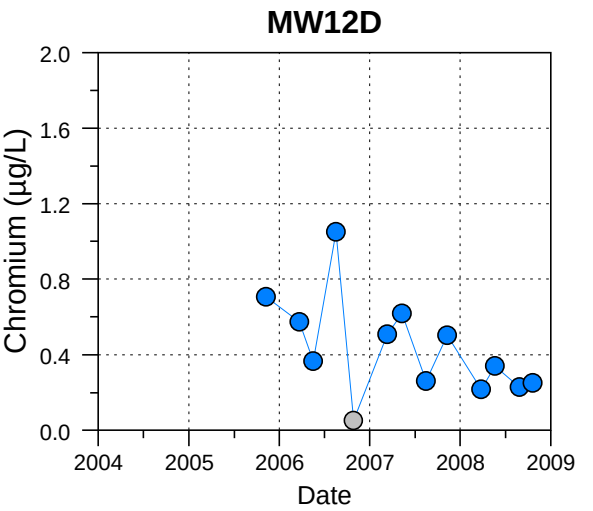

Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
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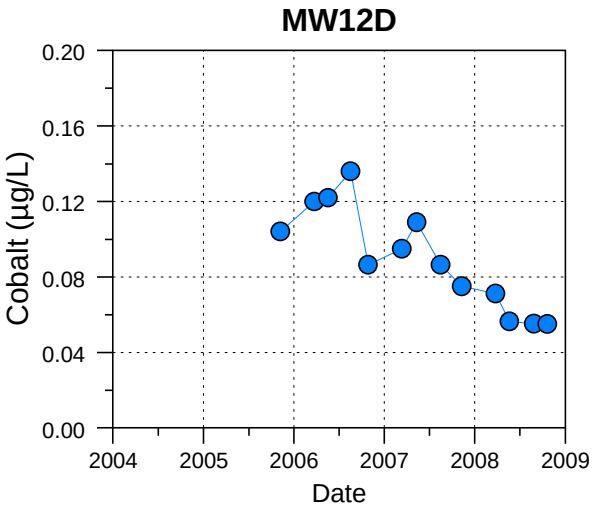
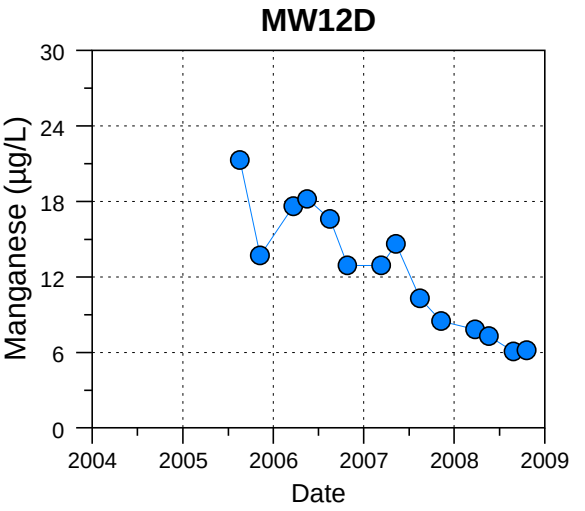
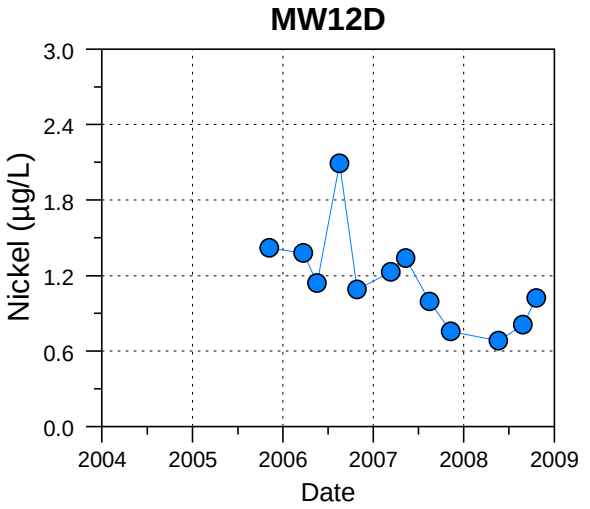
THE pebble PARTNERSHIP

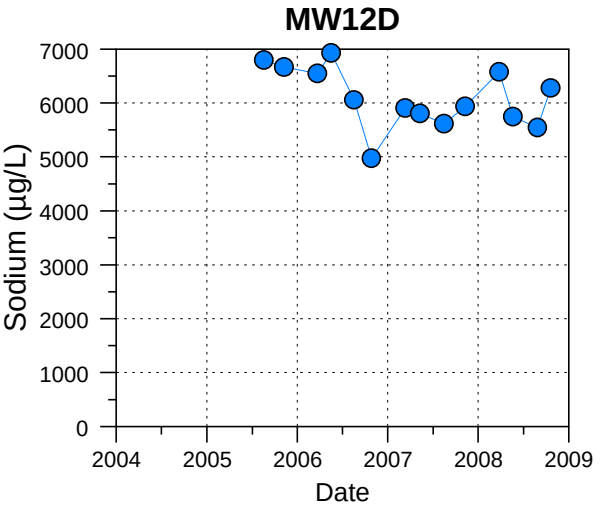
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

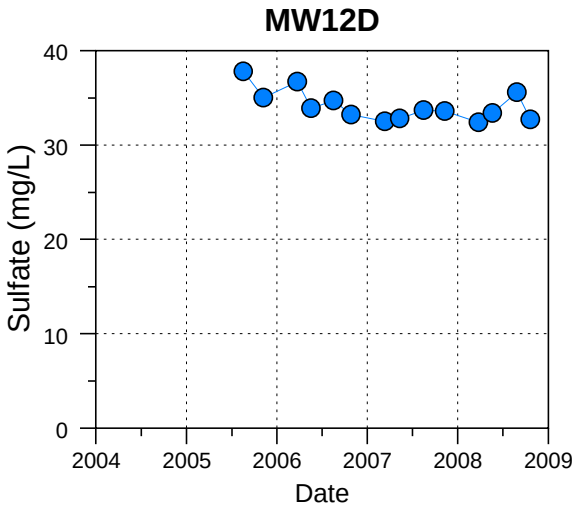
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

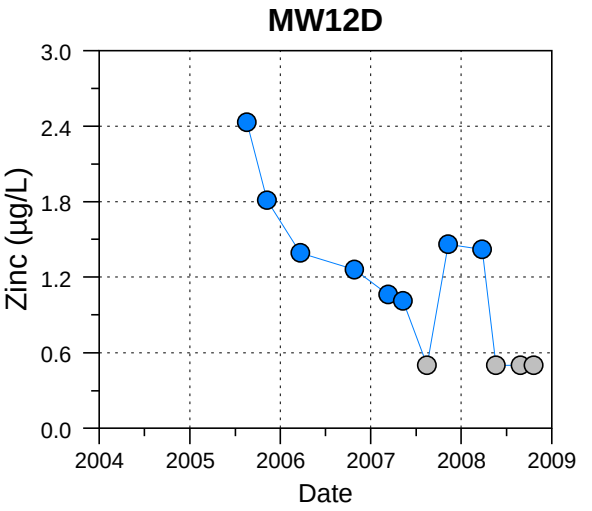












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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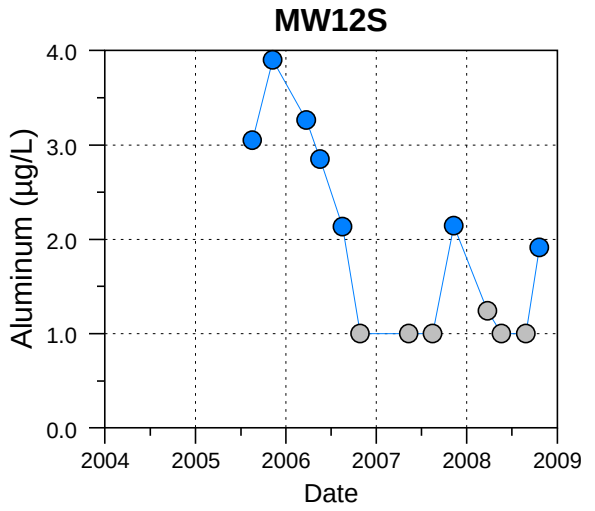
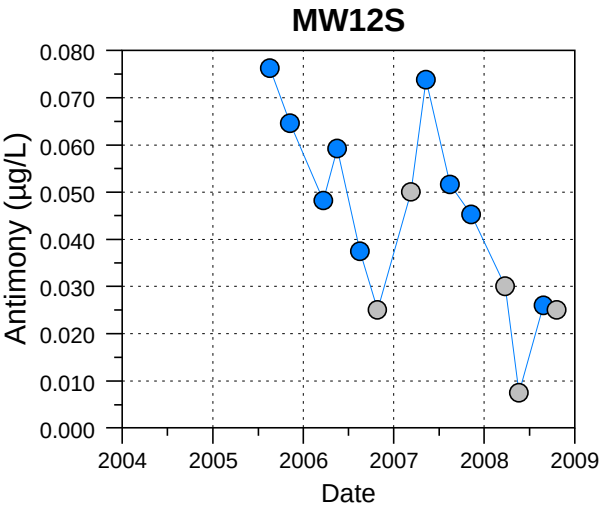
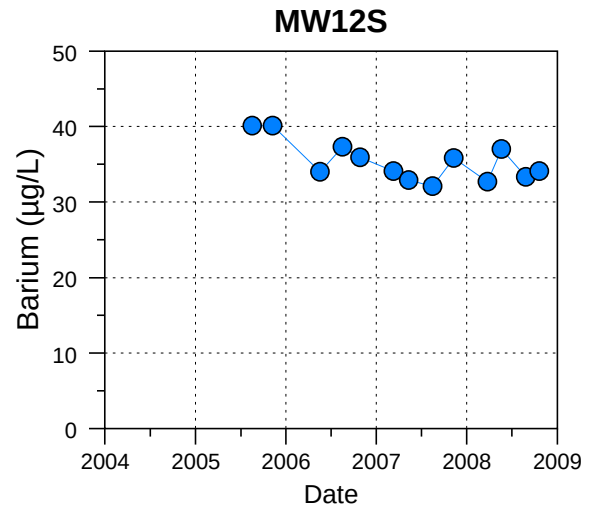
THE pebble PARTNERSHIP

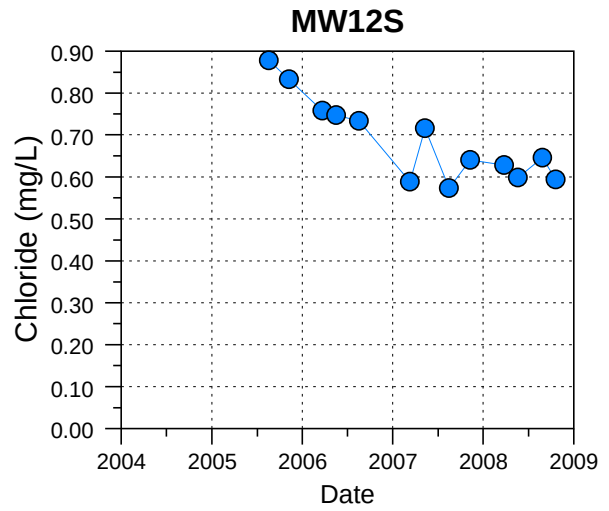
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

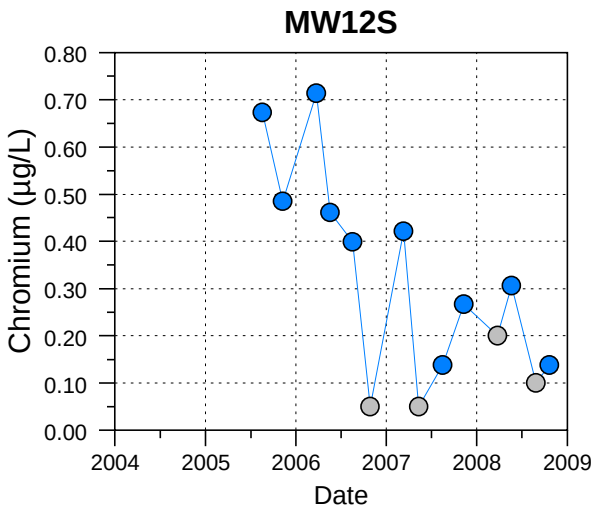
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

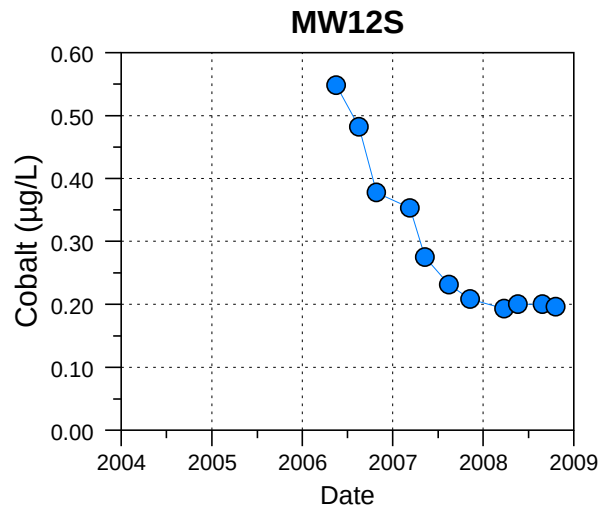












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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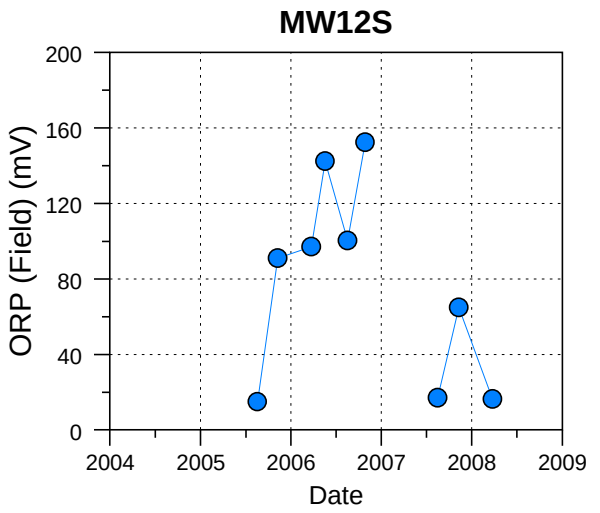
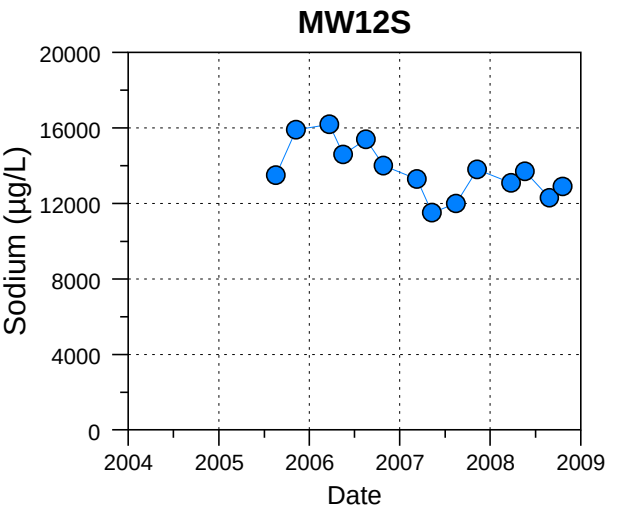
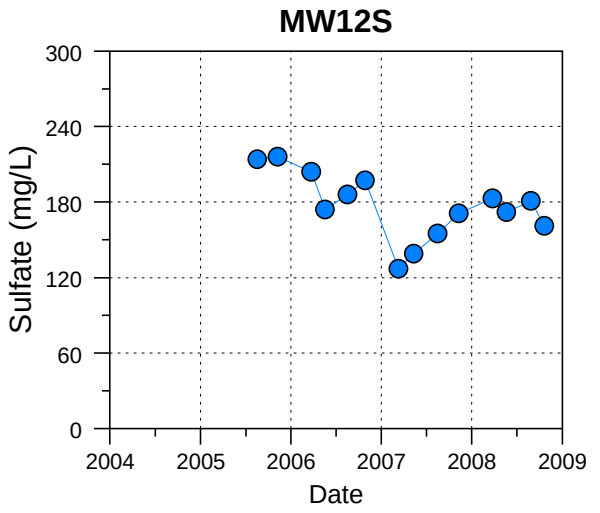
THE pebble PARTNERSHIP

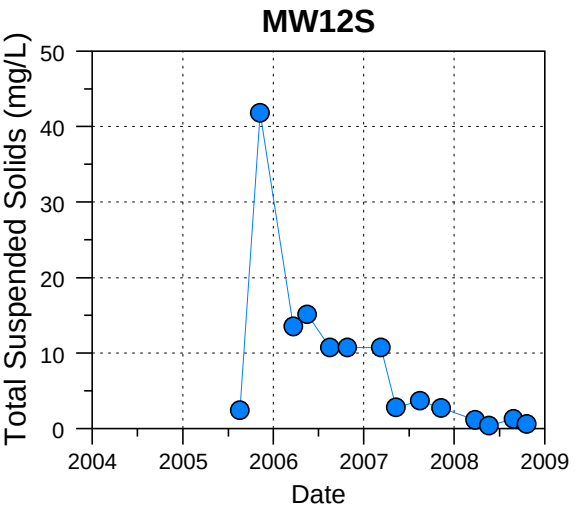
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

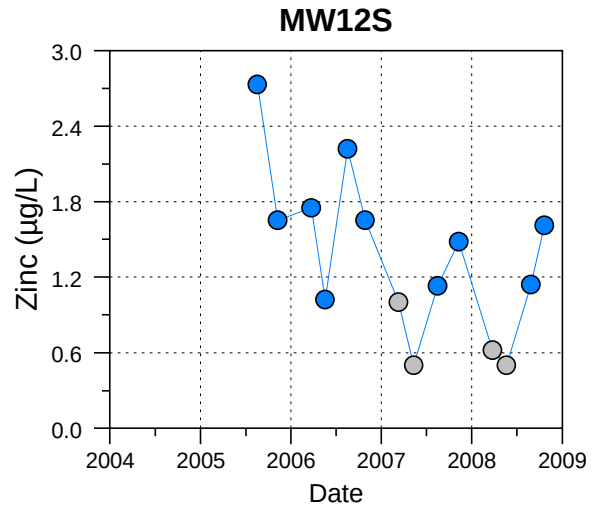
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

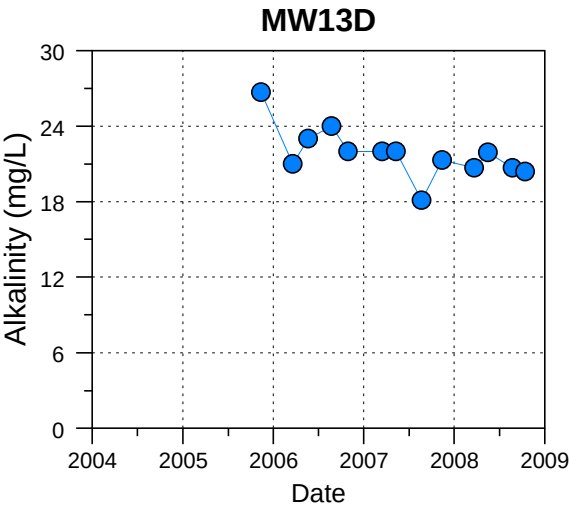












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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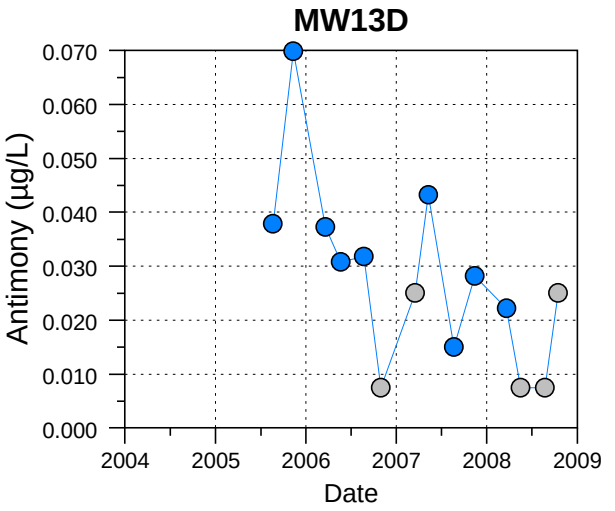
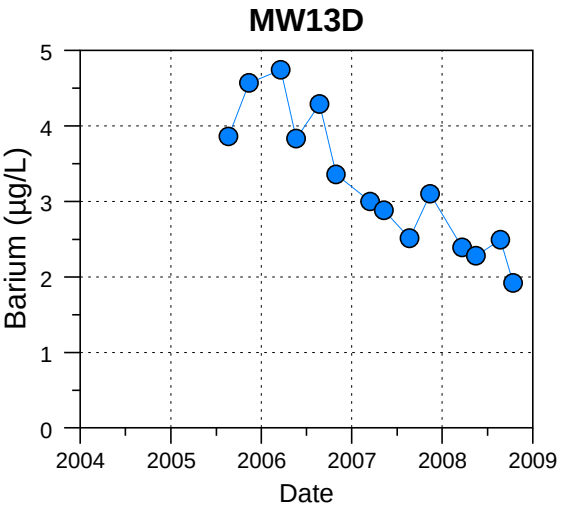
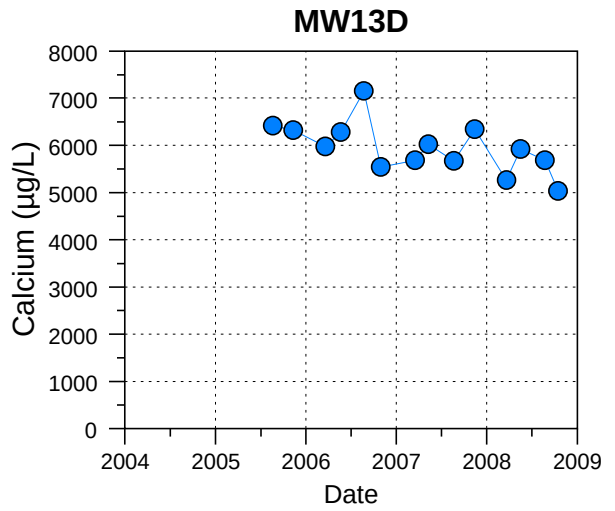
THE pebble PARTNERSHIP

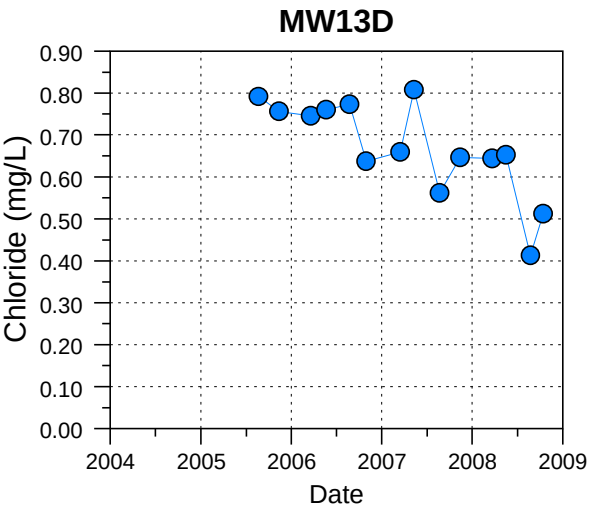
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

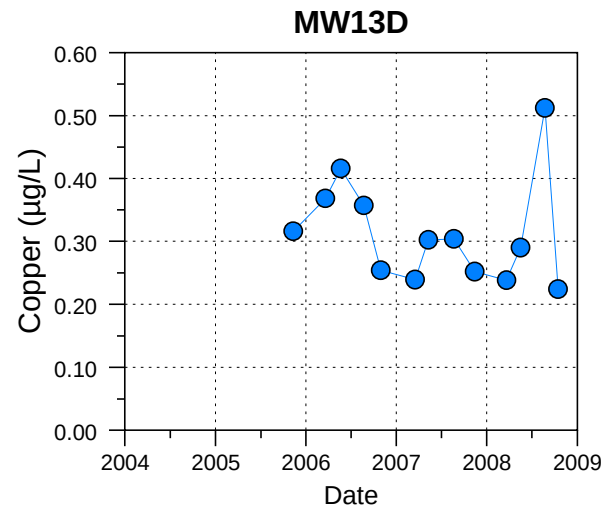
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

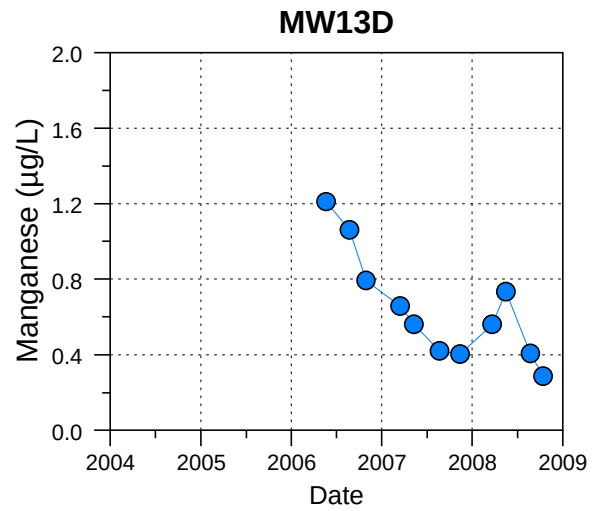












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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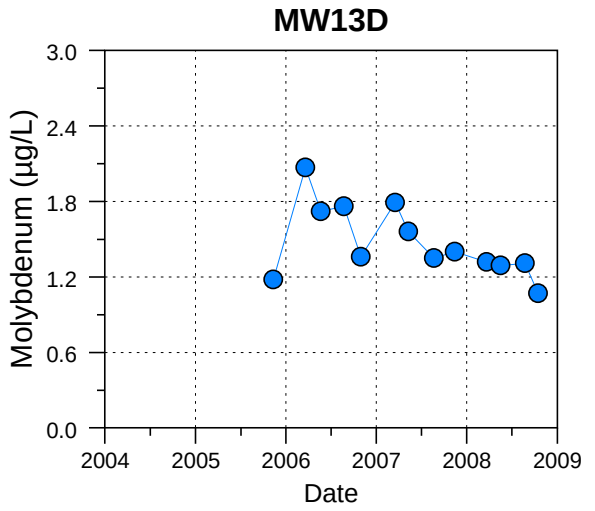
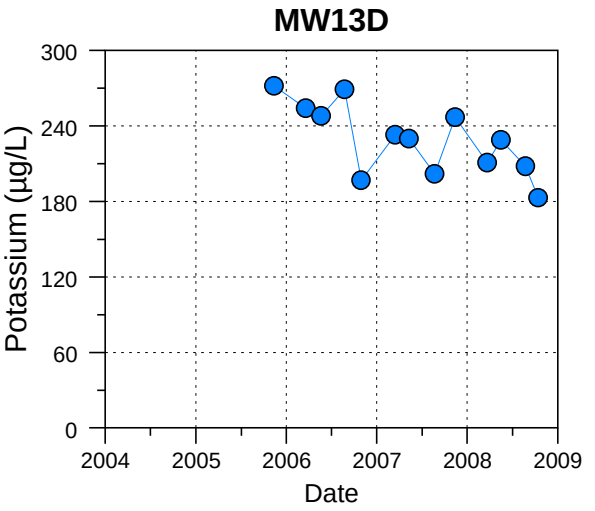
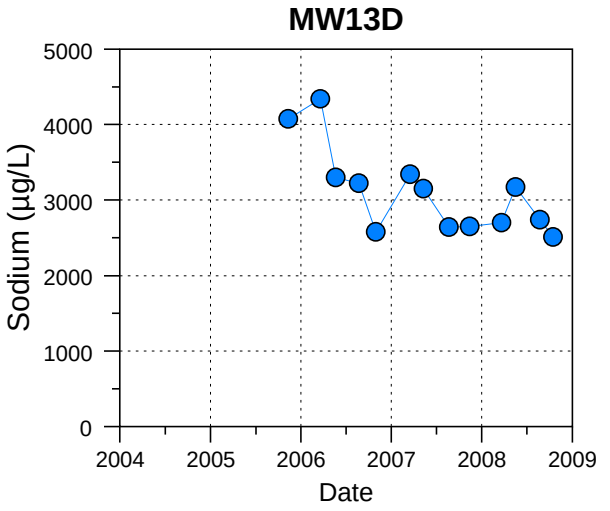
THE pebble PARTNERSHIP

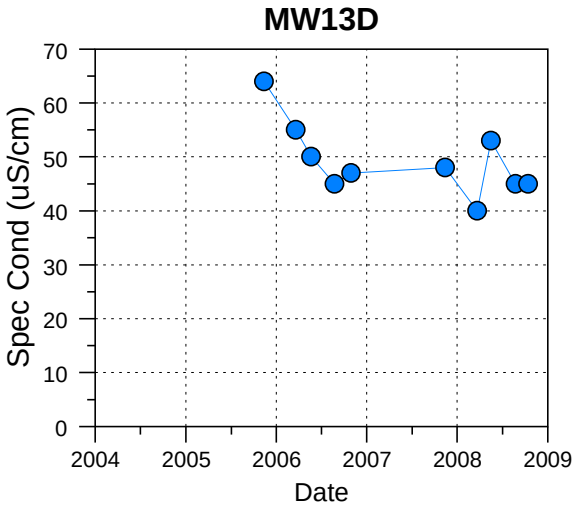
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

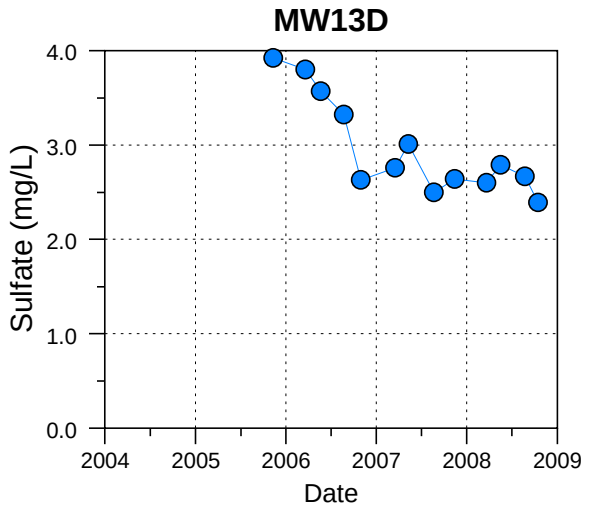
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

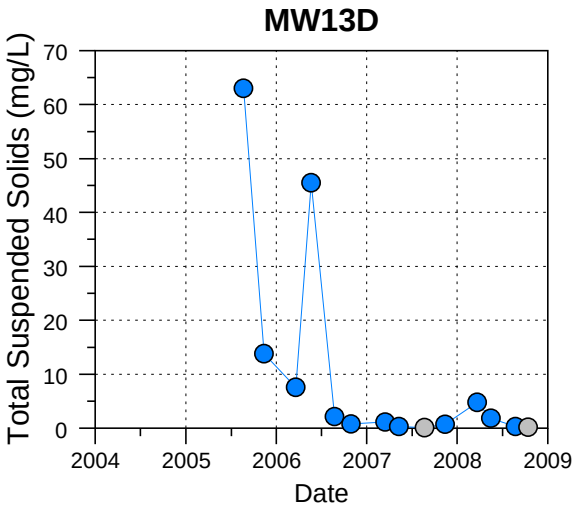












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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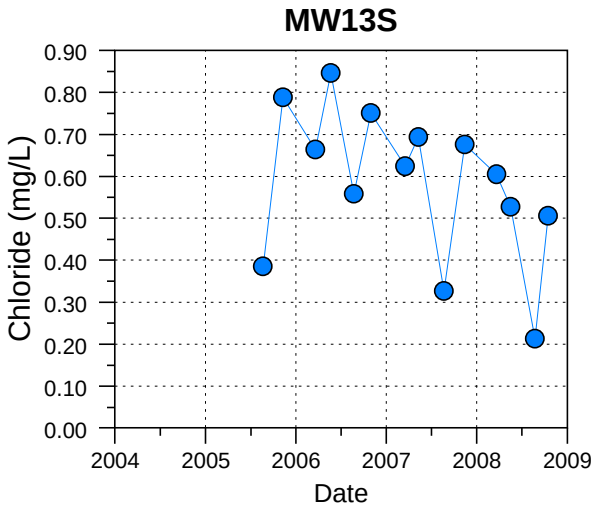
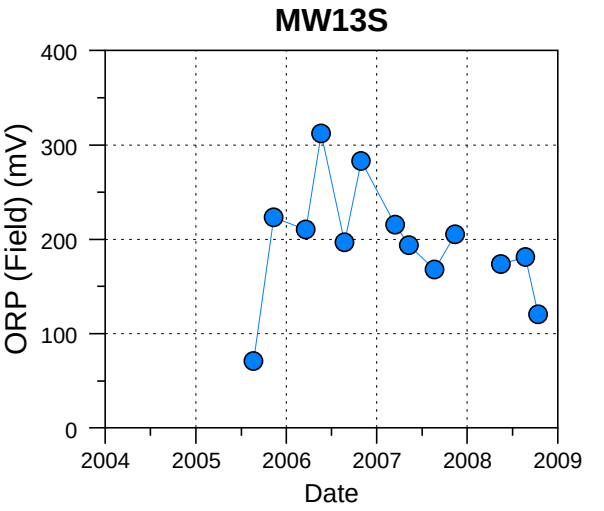
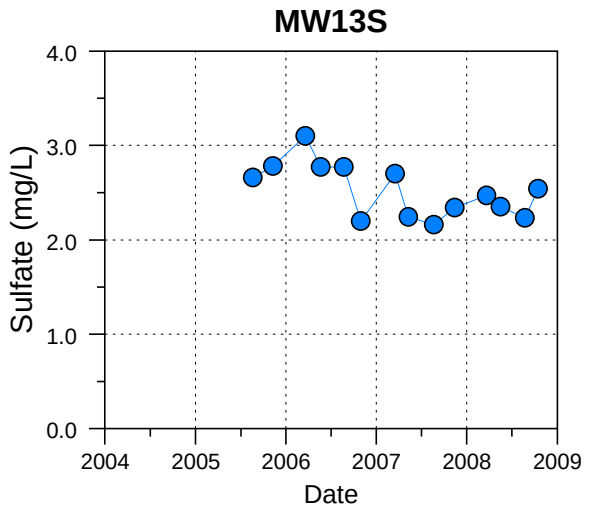
THE pebble PARTNERSHIP

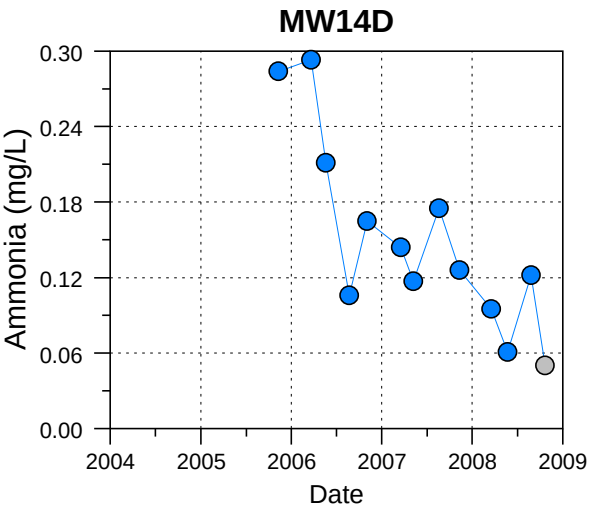
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

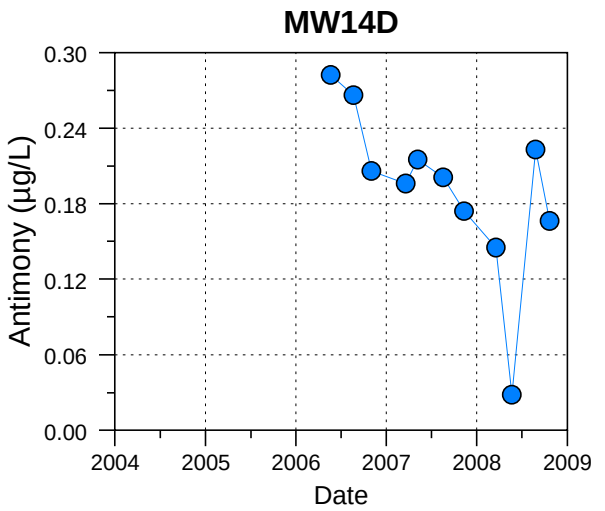
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

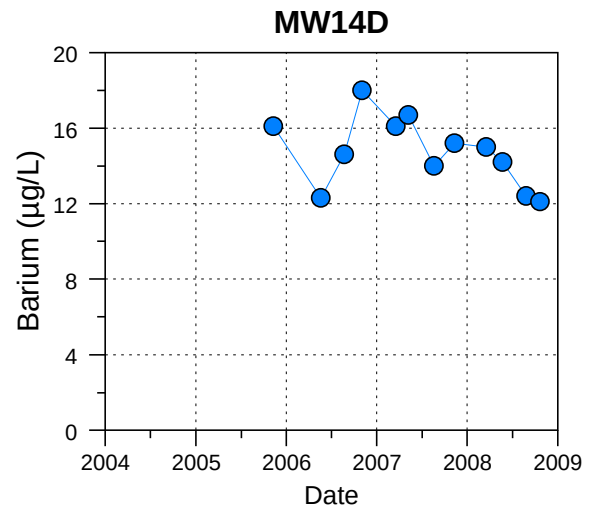












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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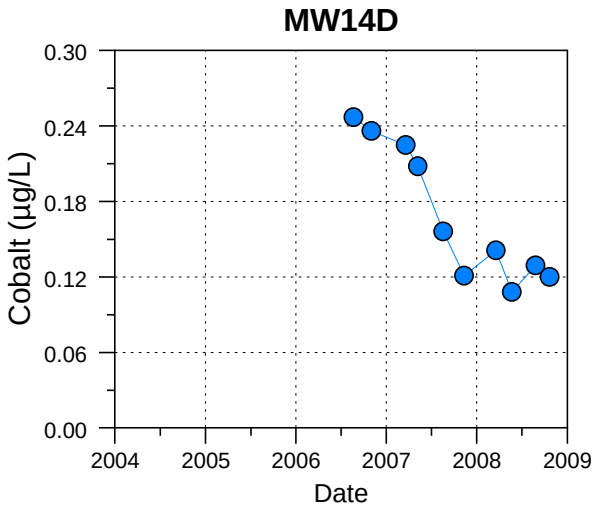
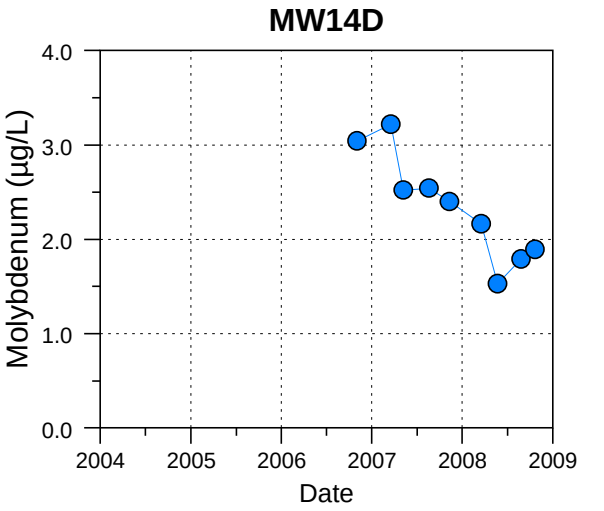
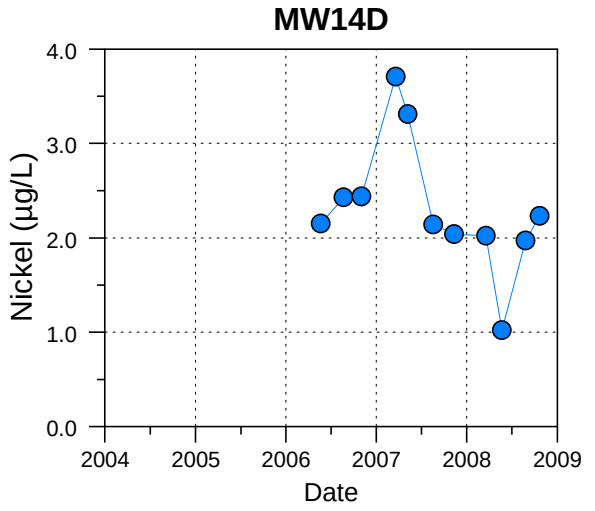
THE pebble PARTNERSHIP

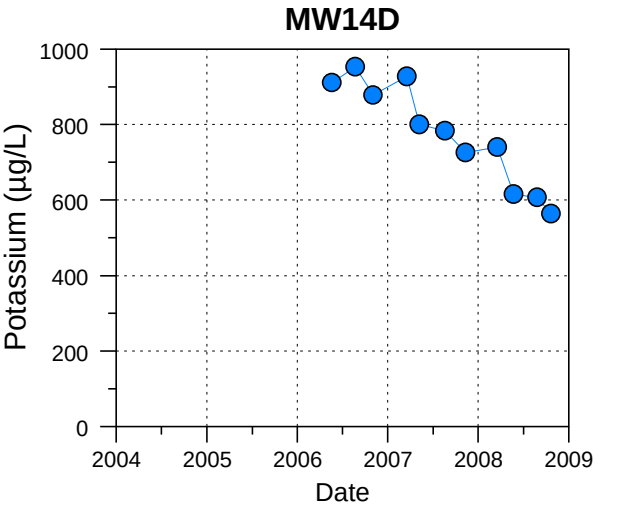
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

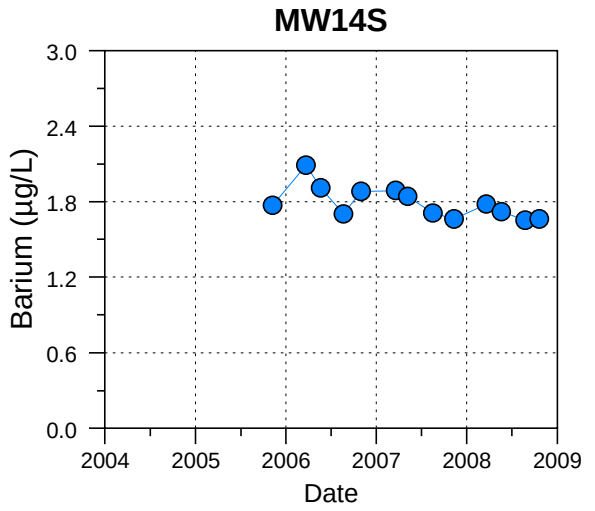
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

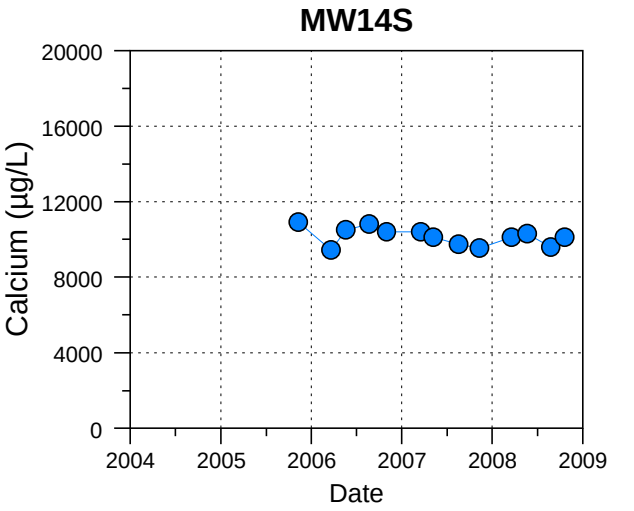












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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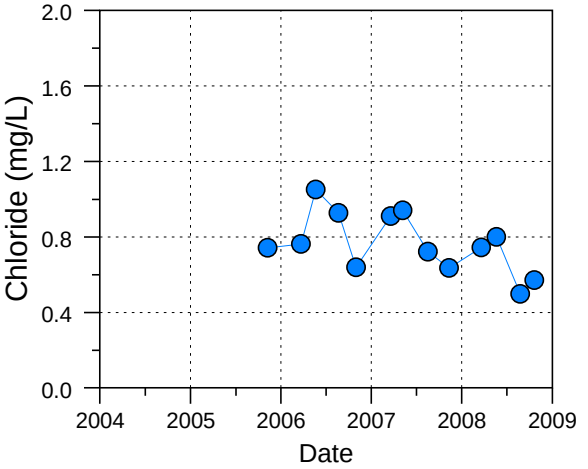
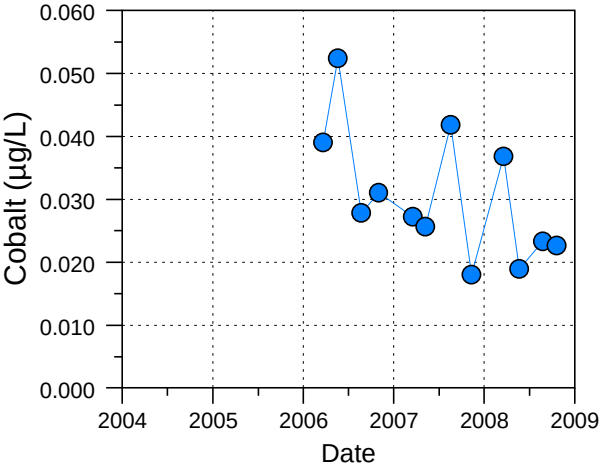
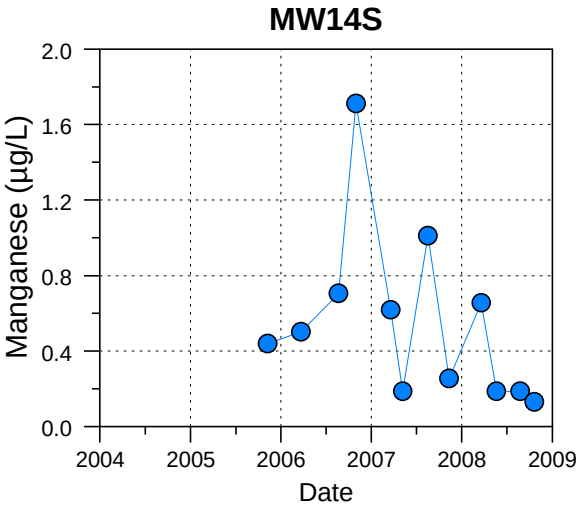
THE pebble PARTNERSHIP

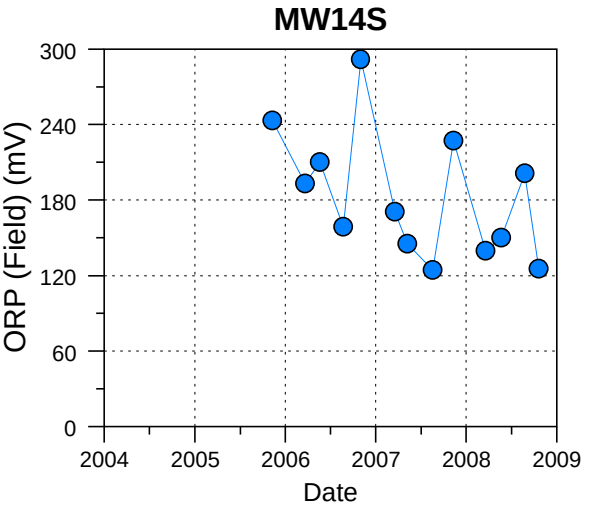
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

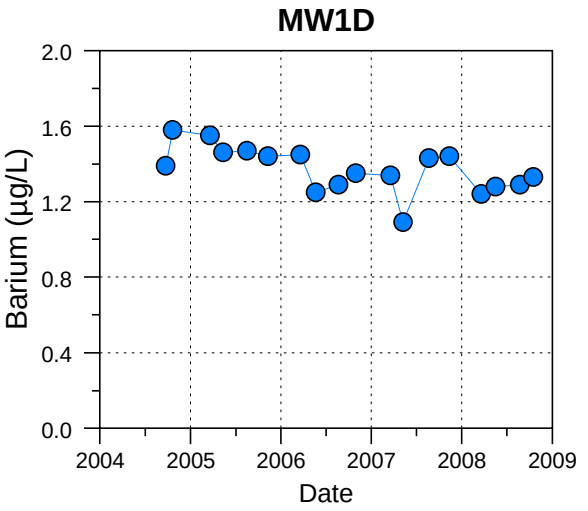
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

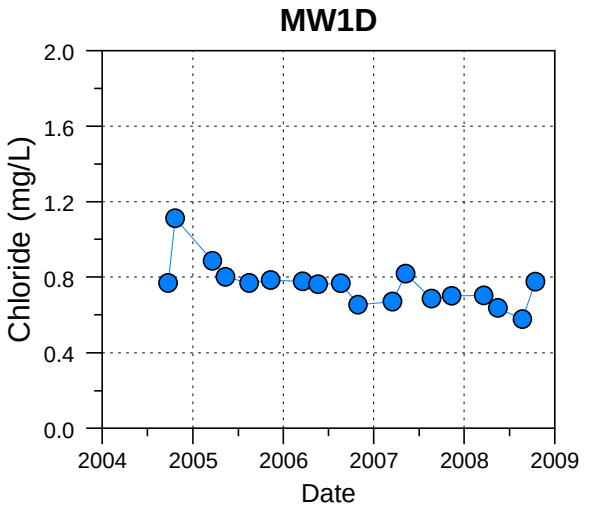












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
S: shallow
M: medium or intermediate
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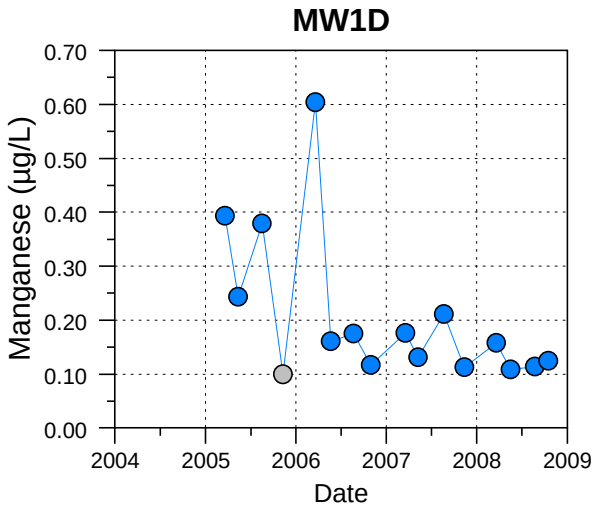
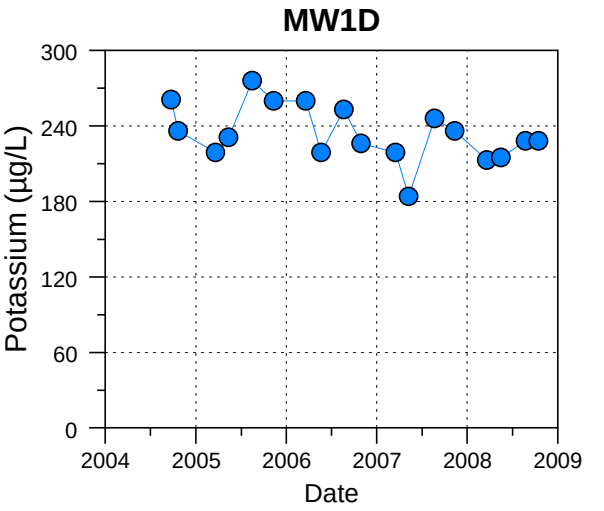
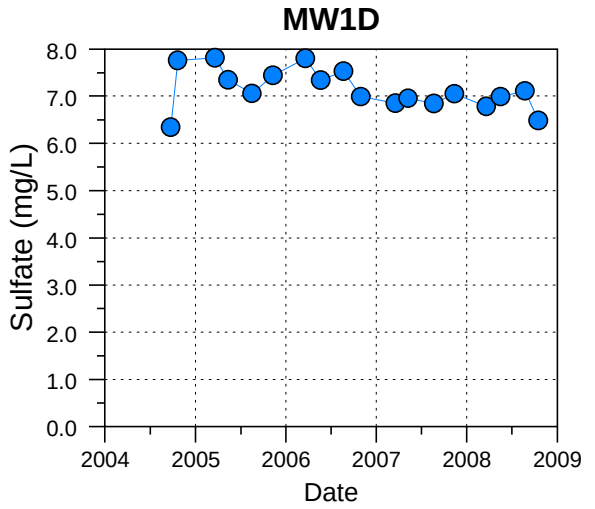
THE pebble PARTNERSHIP

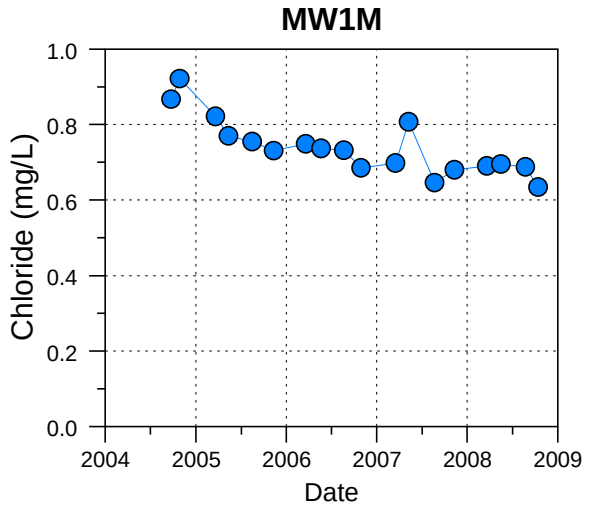
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

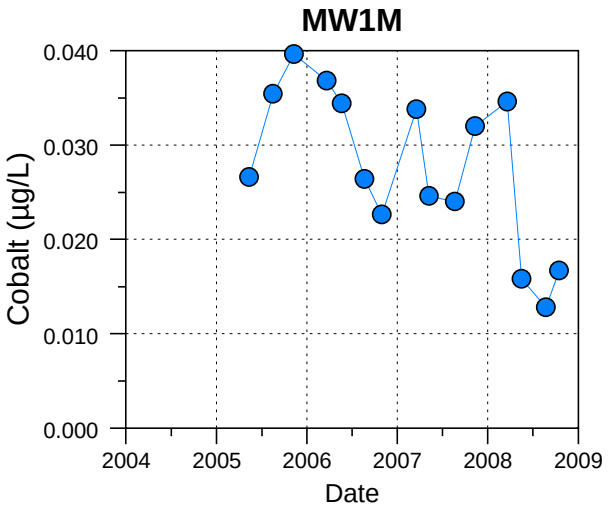
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

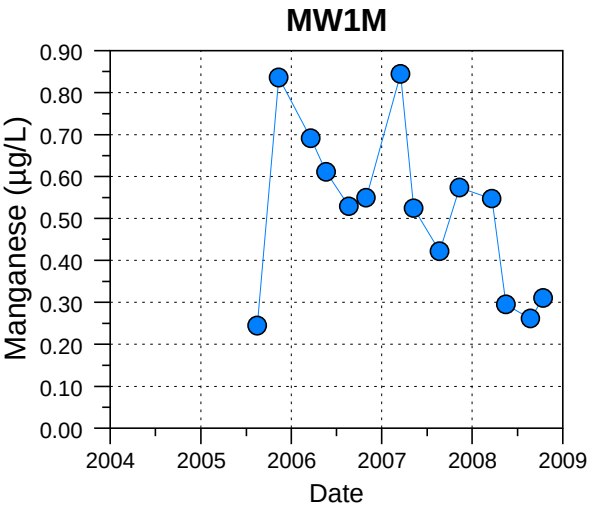












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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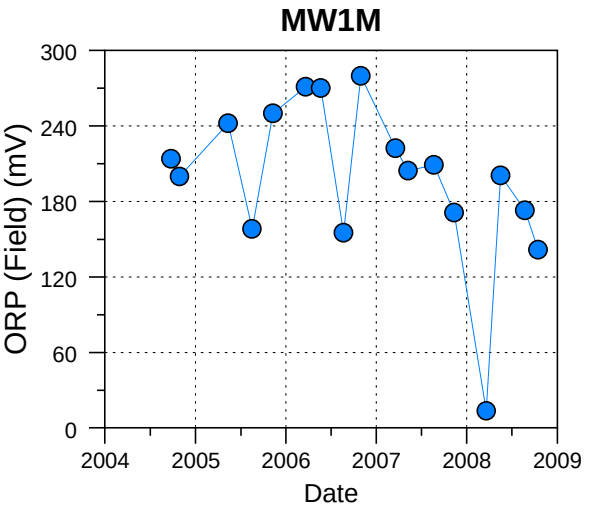
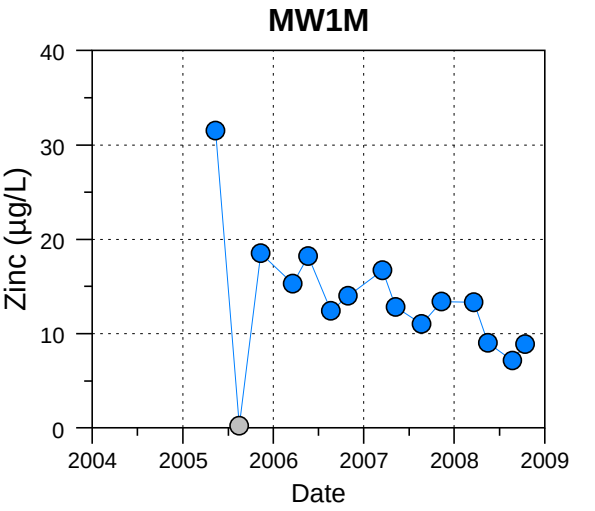
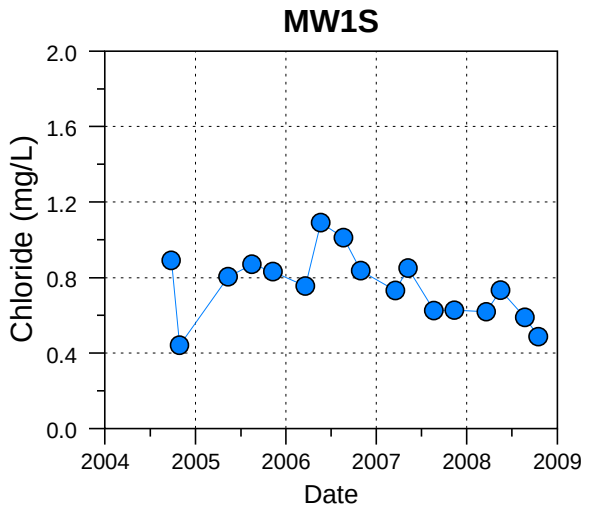
THE pebble PARTNERSHIP

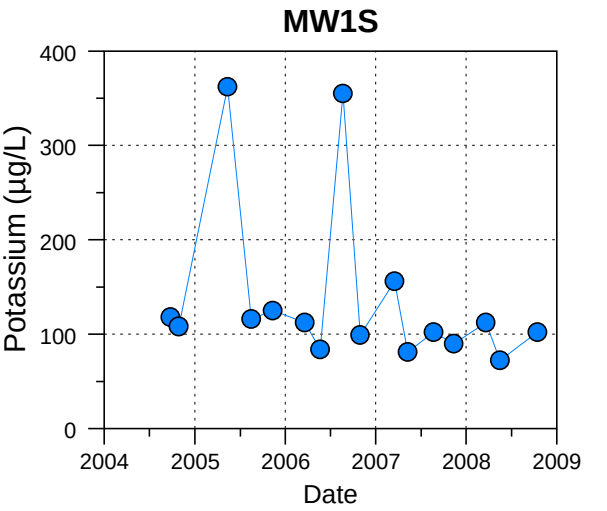
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

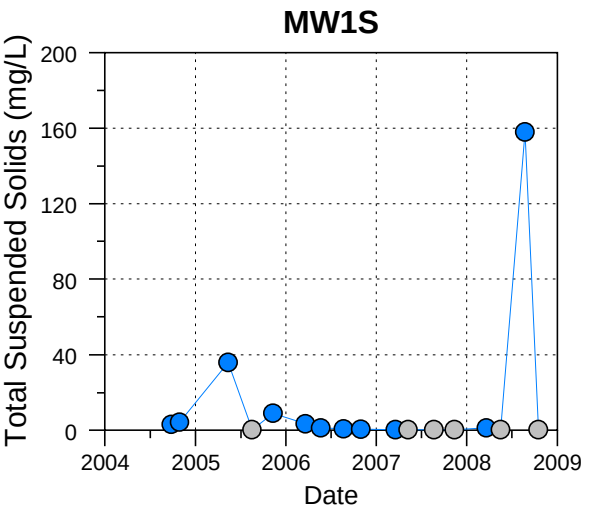
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

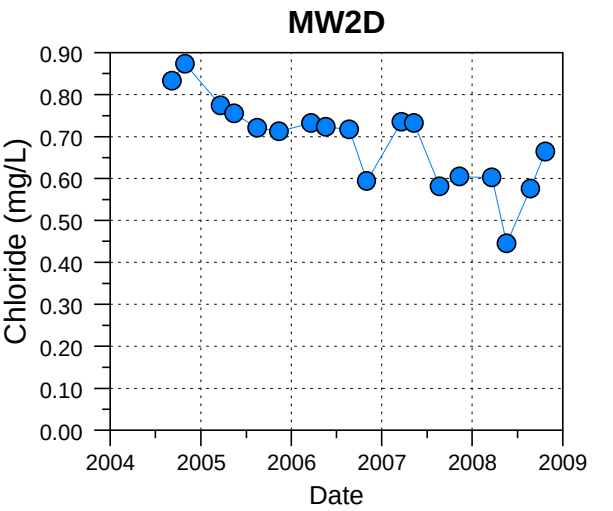












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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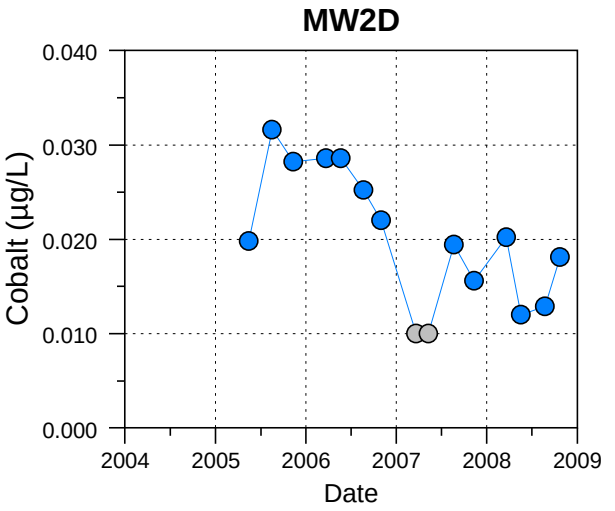
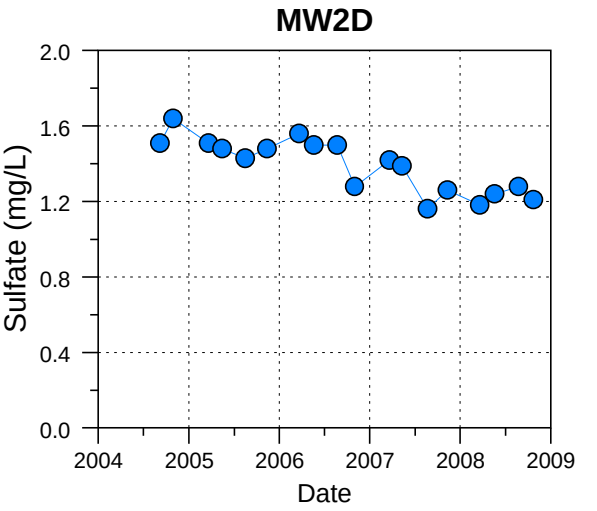
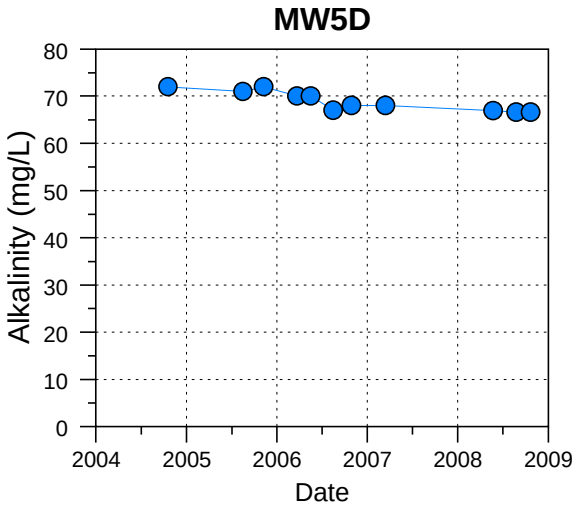
THE pebble PARTNERSHIP

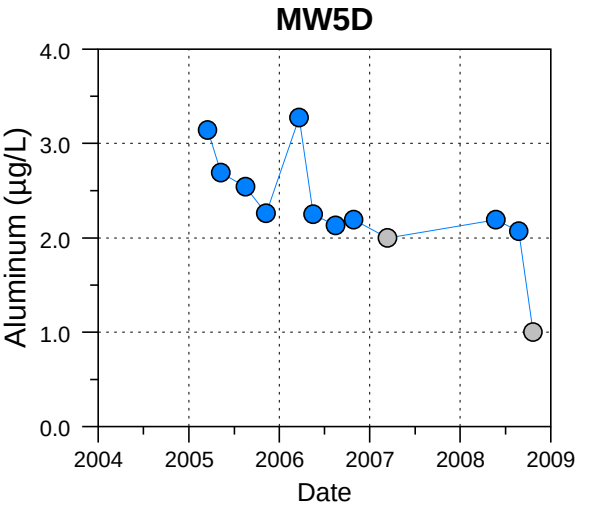
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

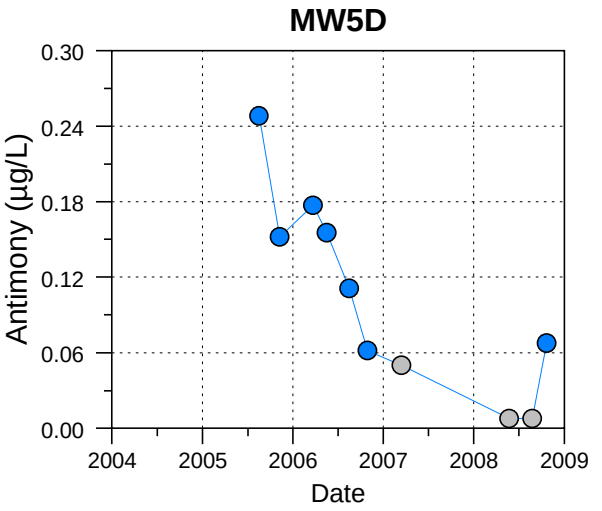
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

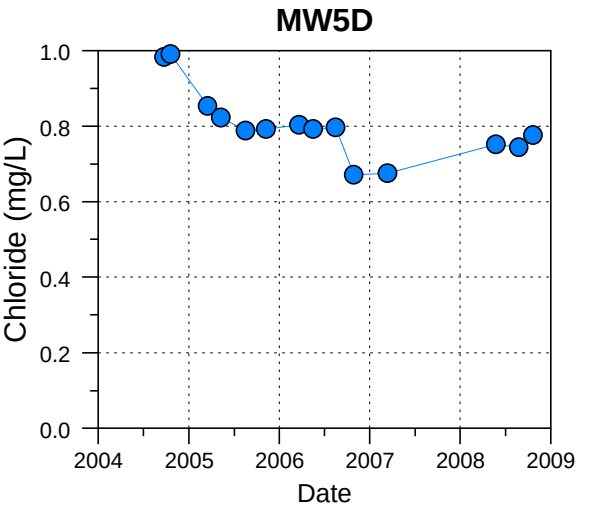












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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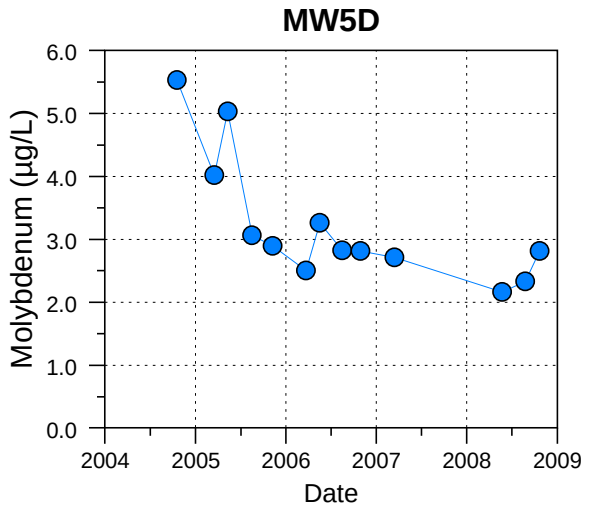
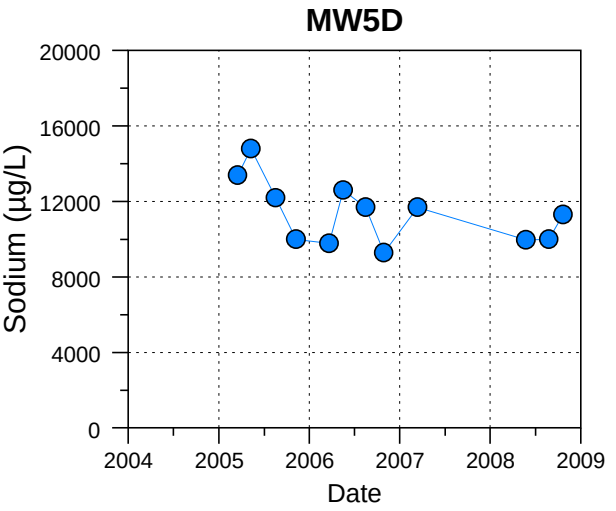
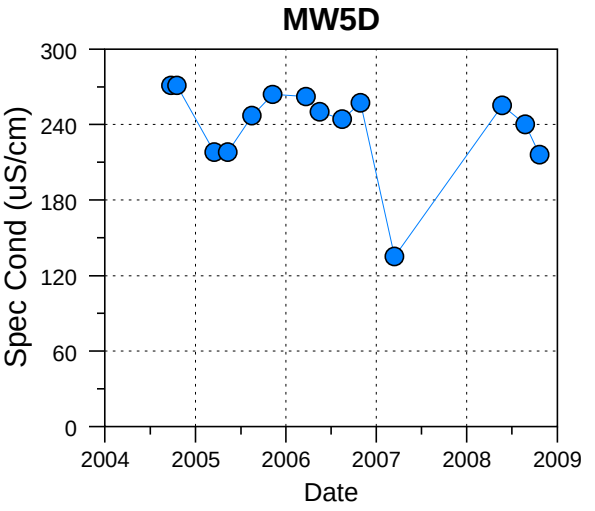
THE pebble PARTNERSHIP

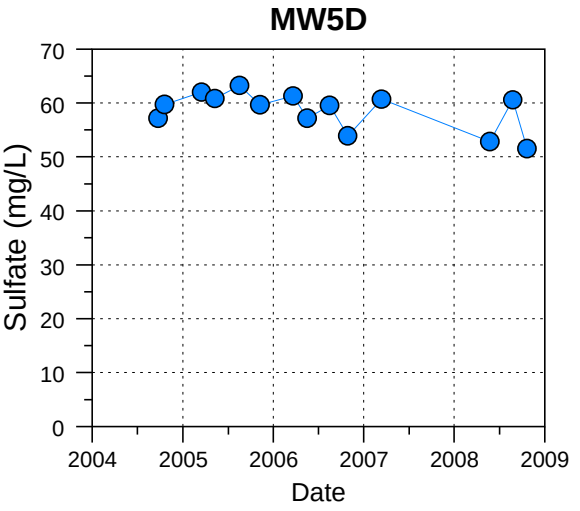
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

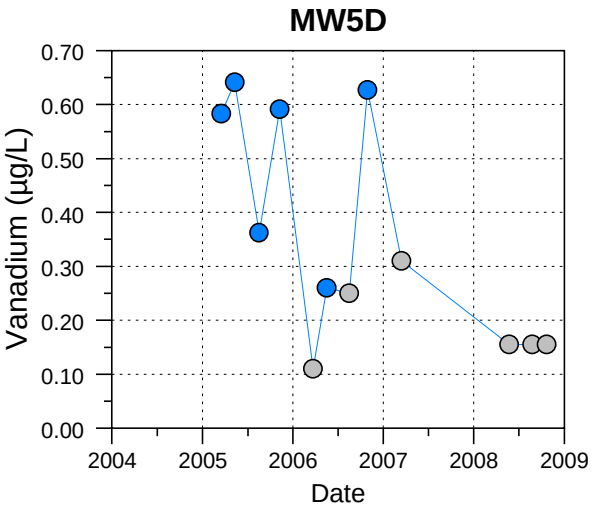
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

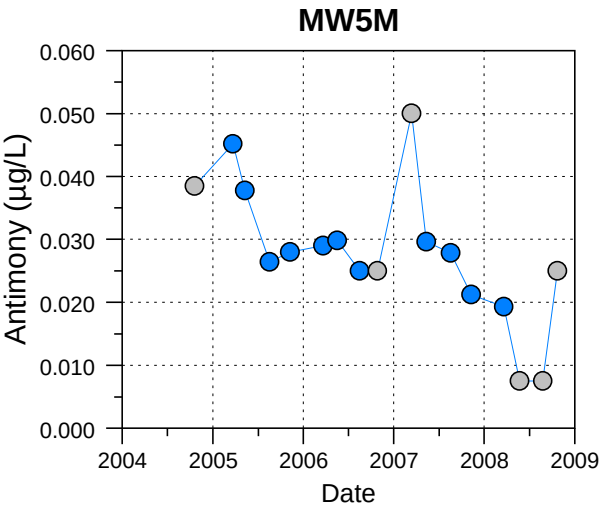












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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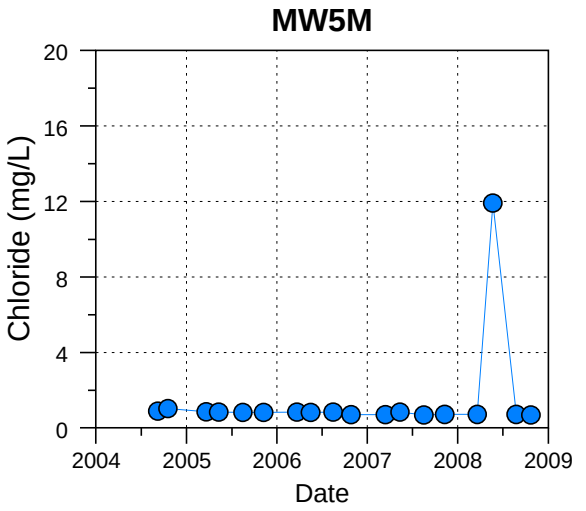
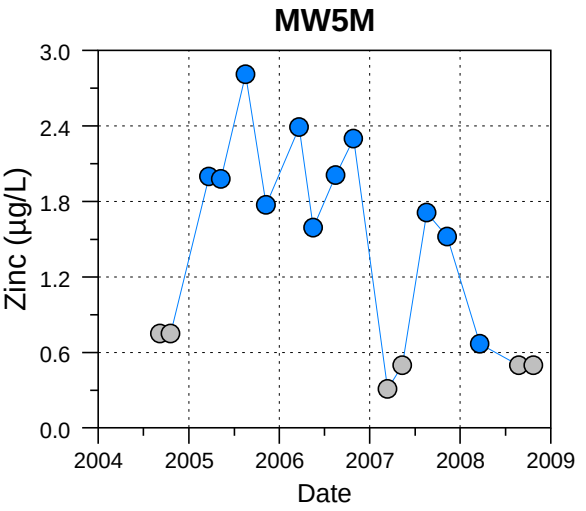
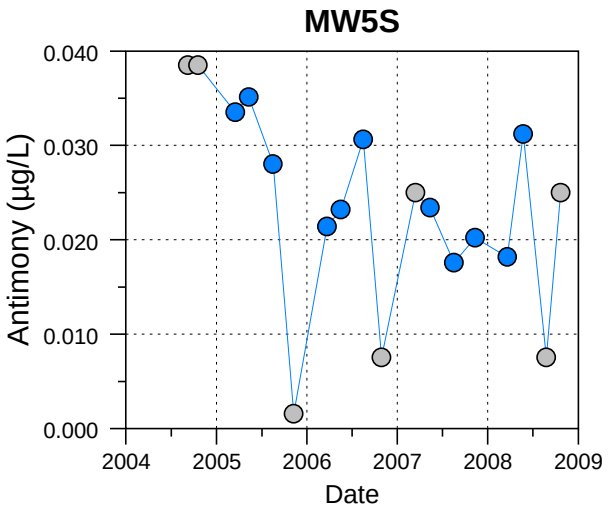
THE pebble PARTNERSHIP

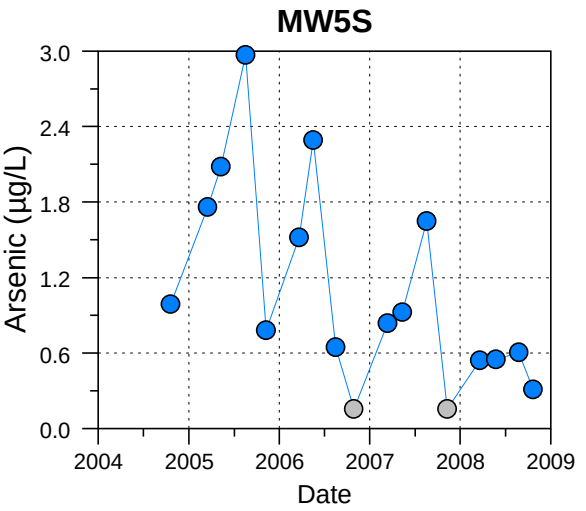
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

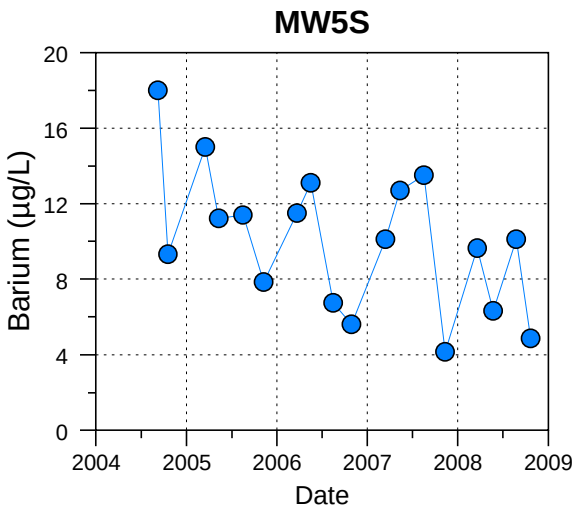
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

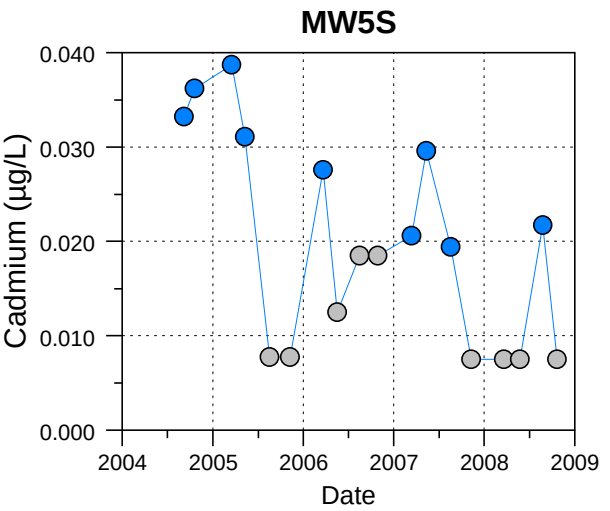












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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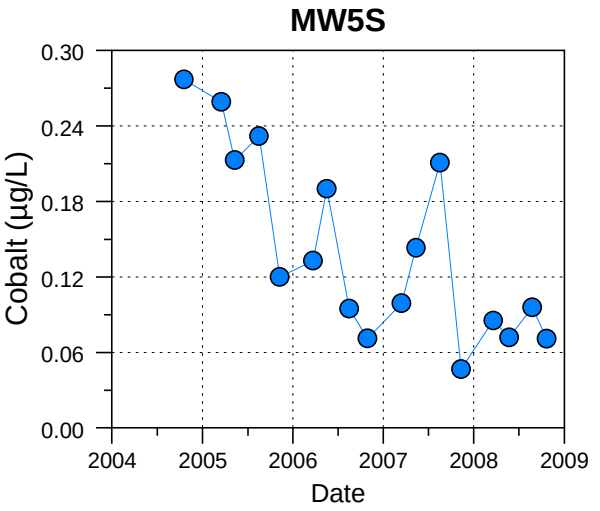
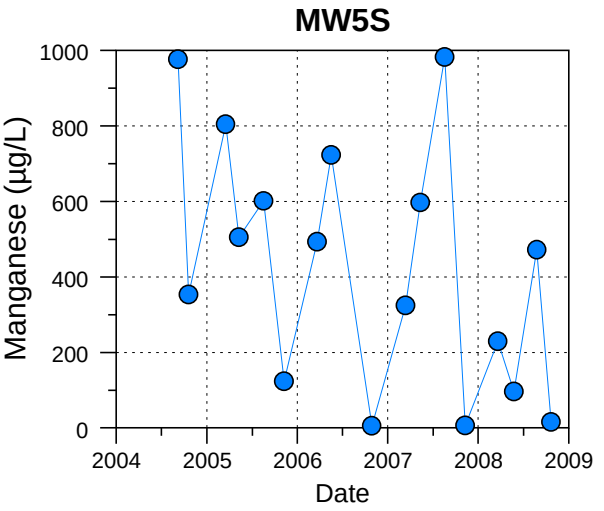
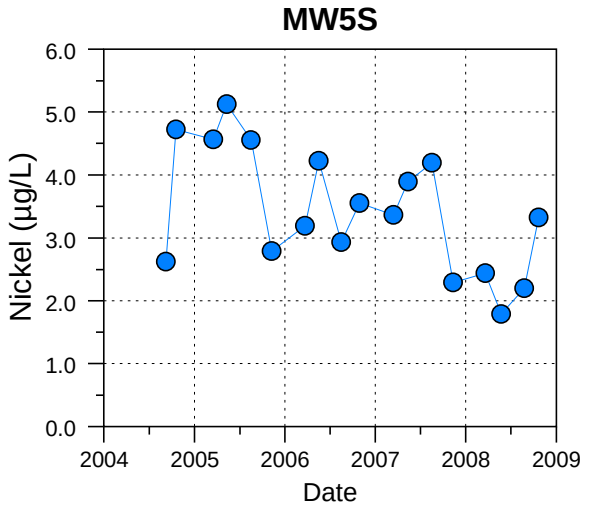
THE pebble PARTNERSHIP

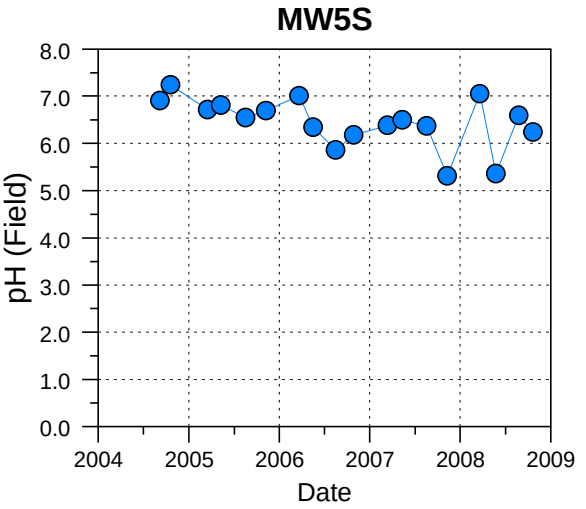
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

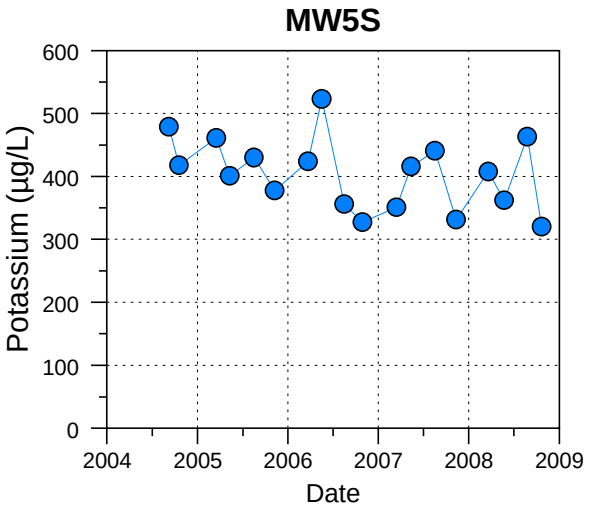
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

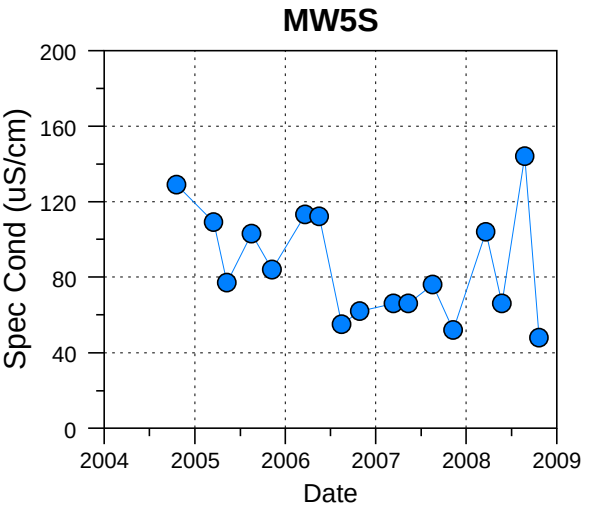












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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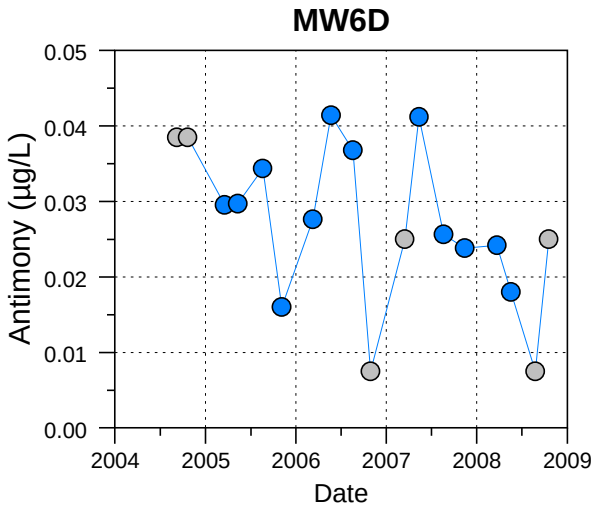
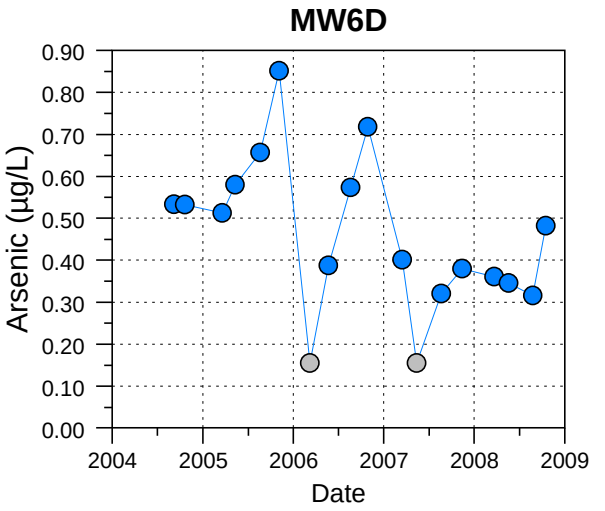
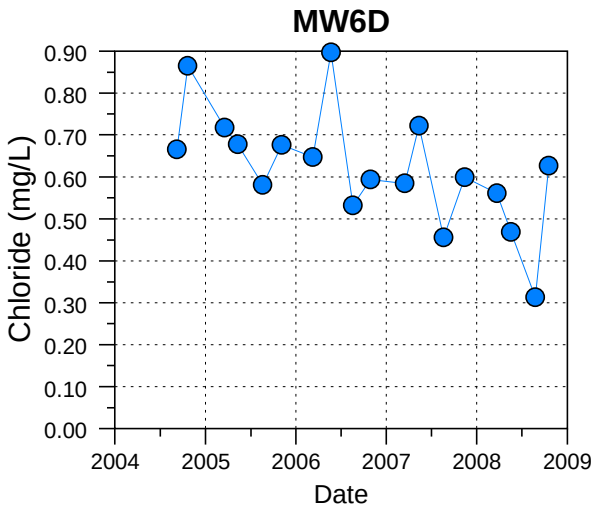
THE pebble PARTNERSHIP

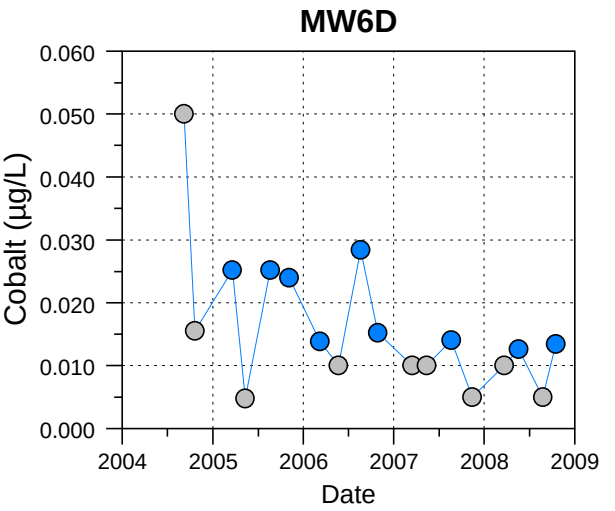
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

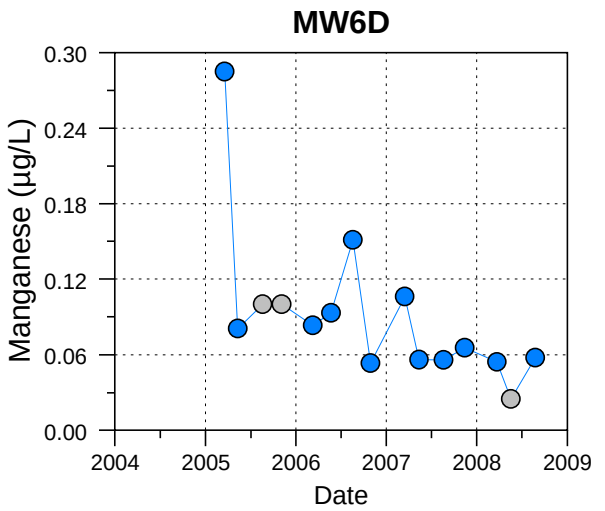
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

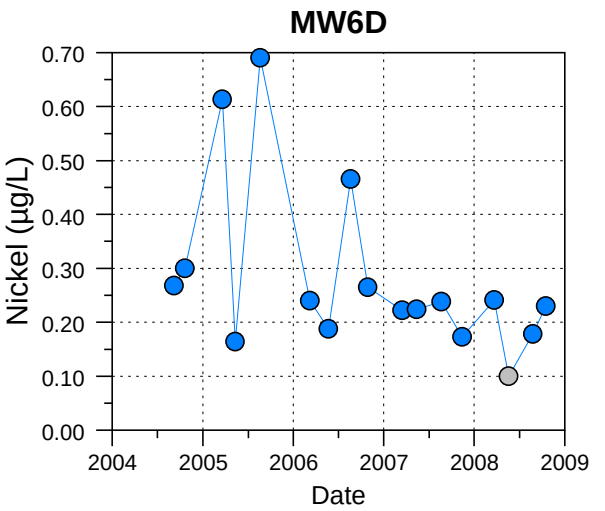












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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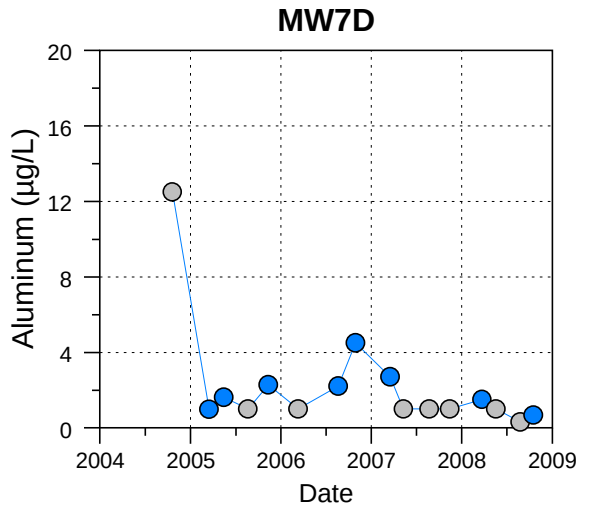
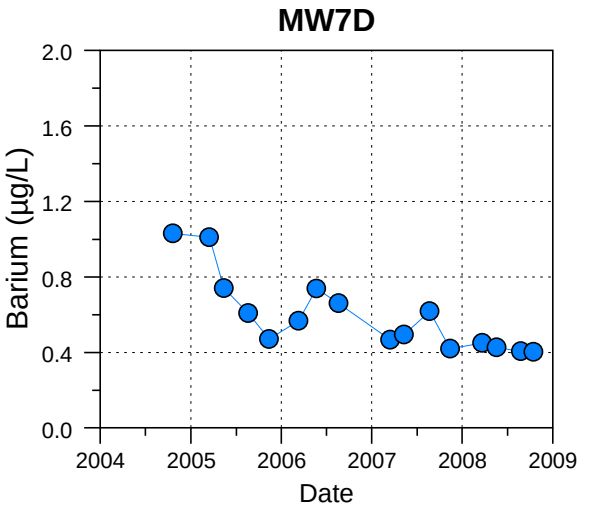
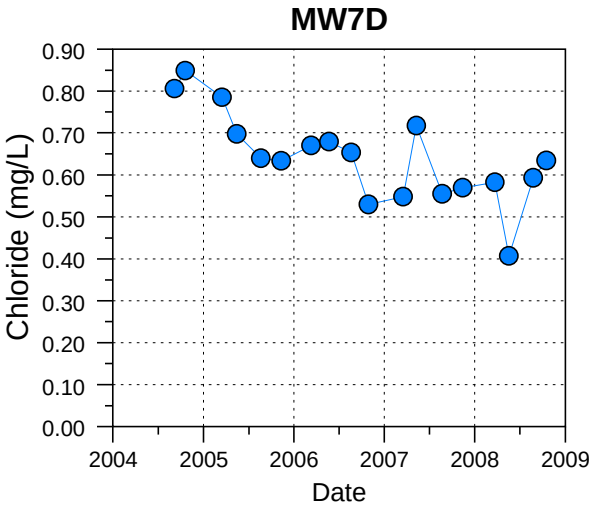
THE pebble PARTNERSHIP

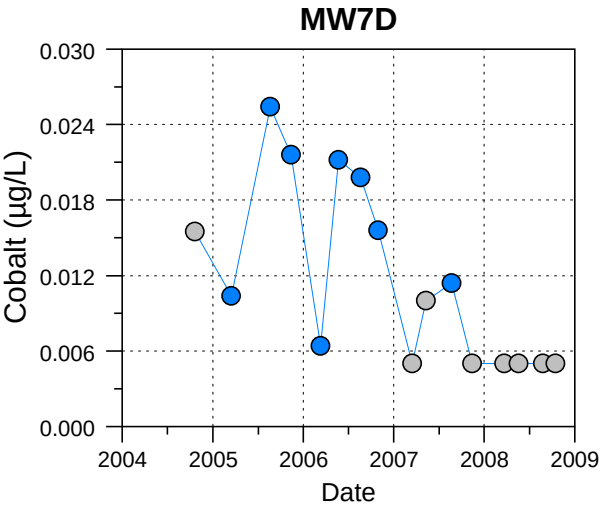
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

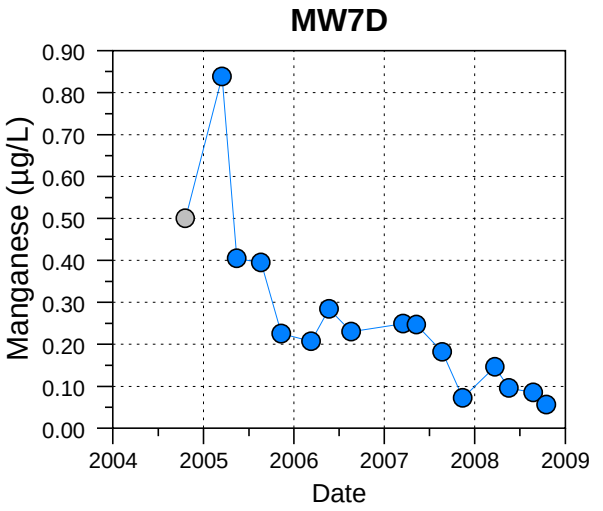
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

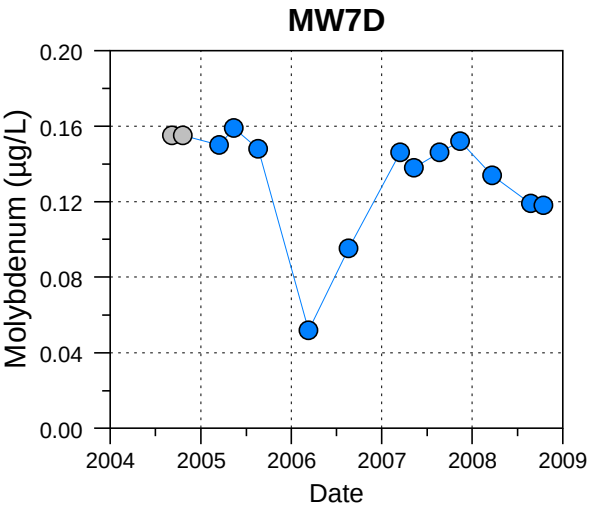












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
S: shallow
M: medium or intermediate
D: deep.
3. mg/L= milligrams per liter
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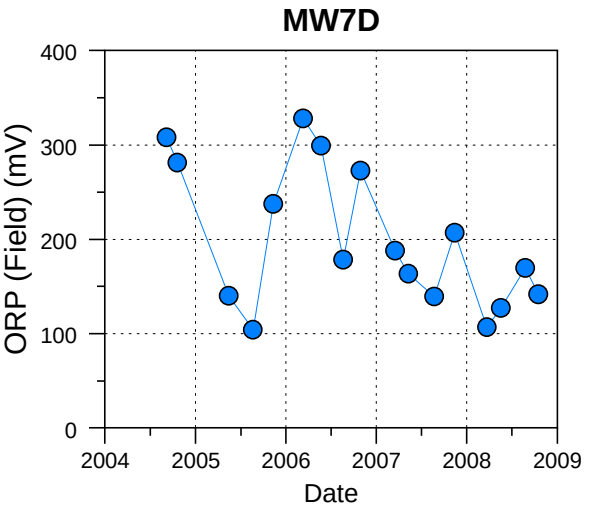
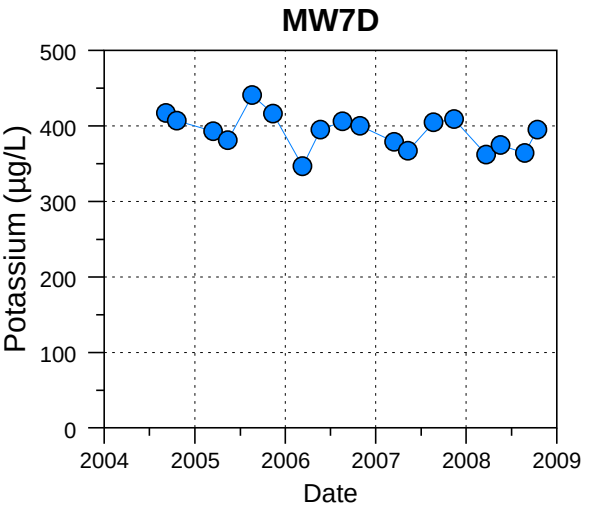
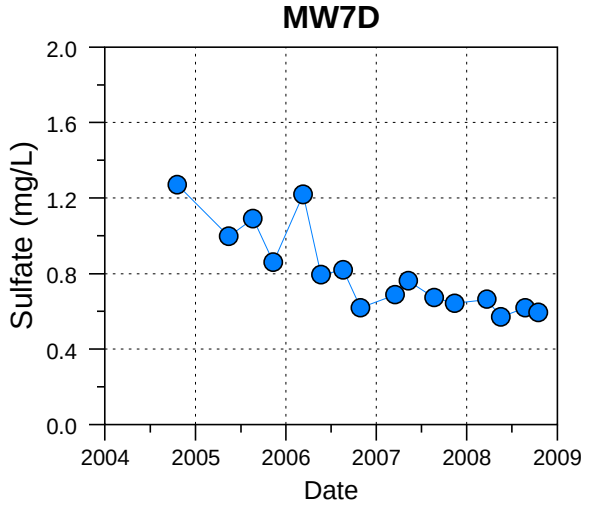
THE pebble PARTNERSHIP

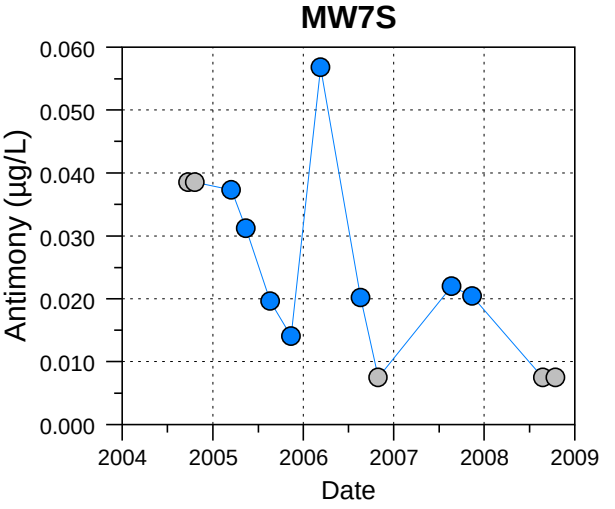
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

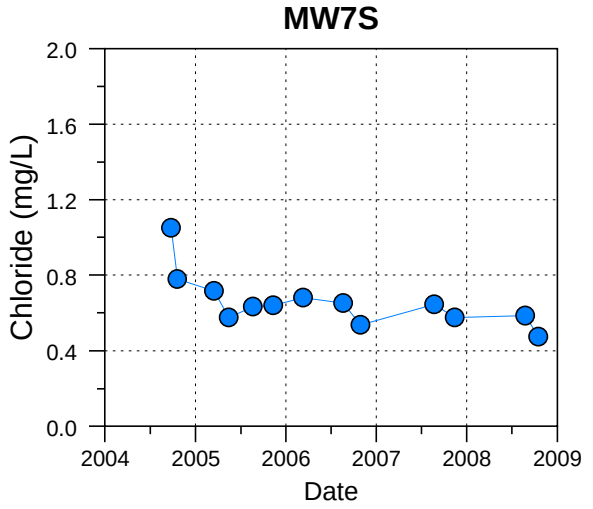
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

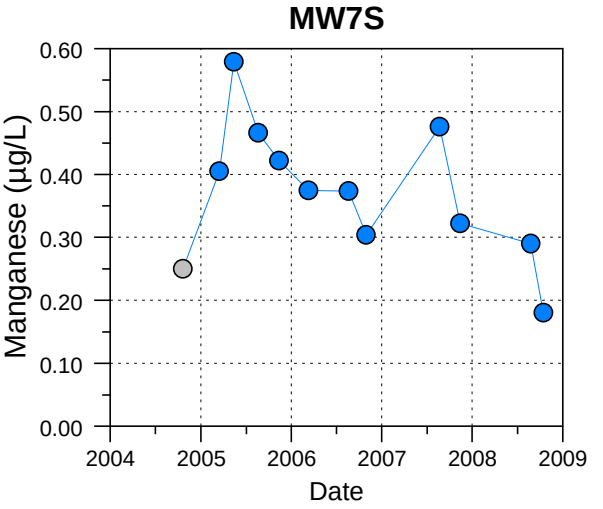












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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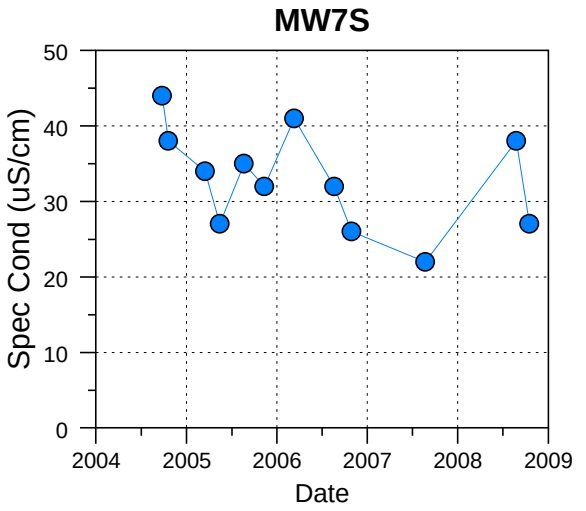
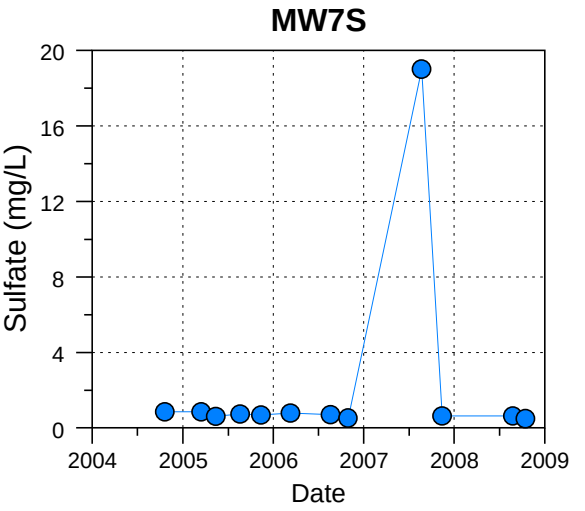
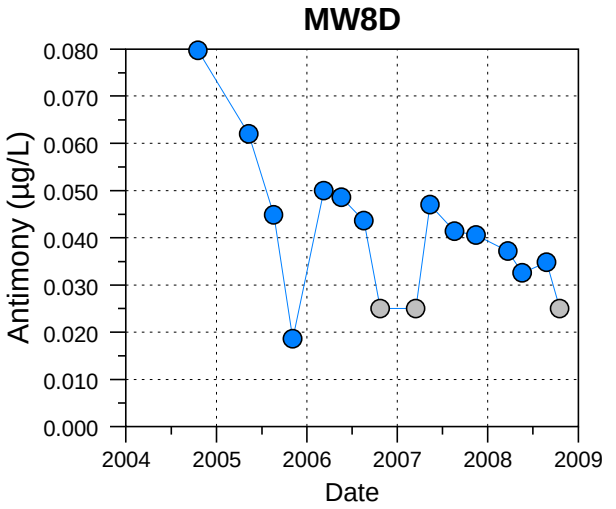
THE pebble PARTNERSHIP

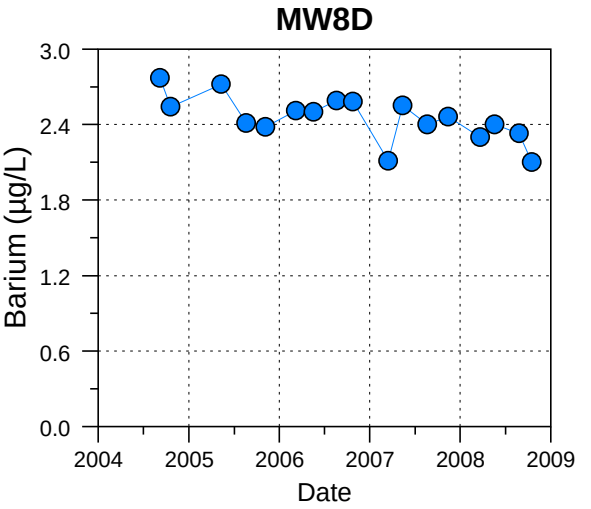
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

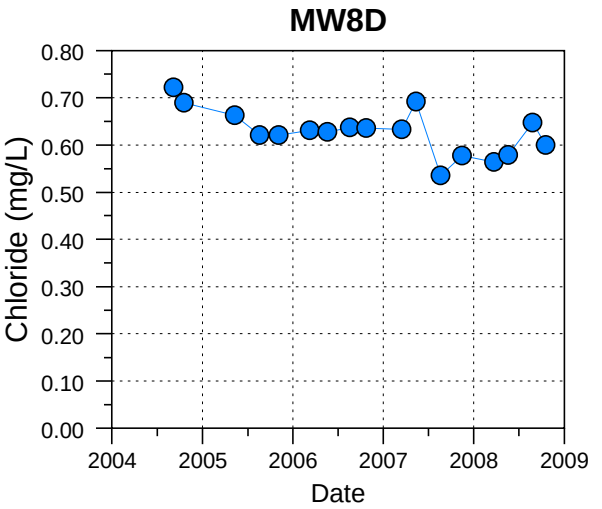
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

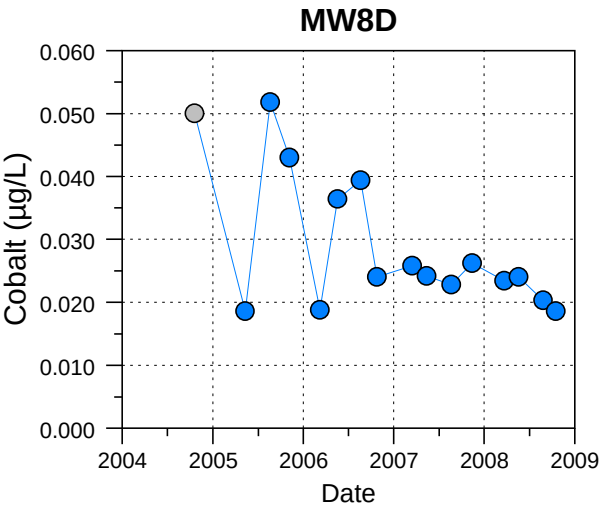












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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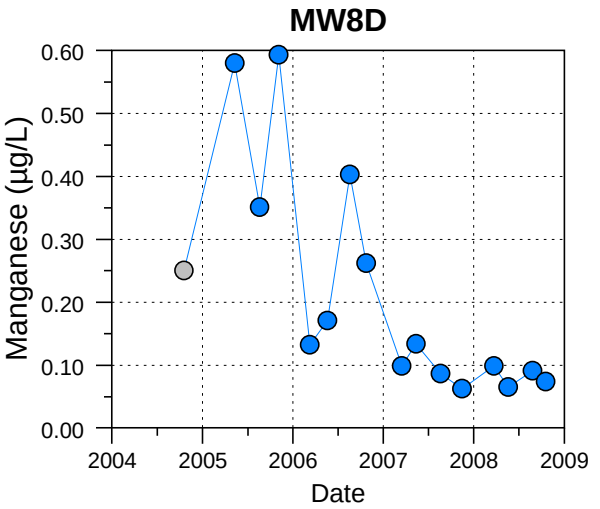
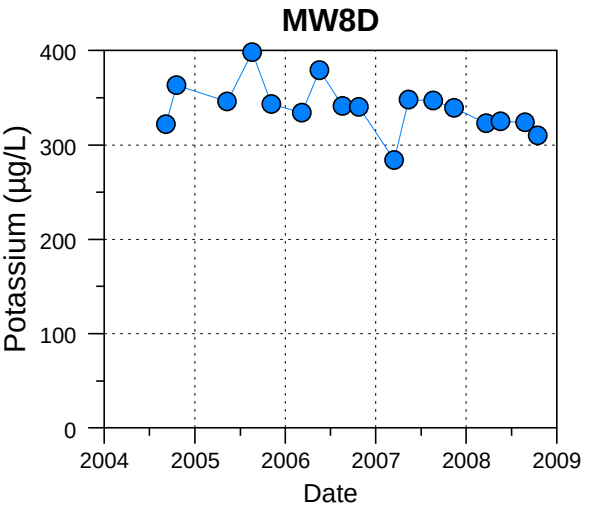
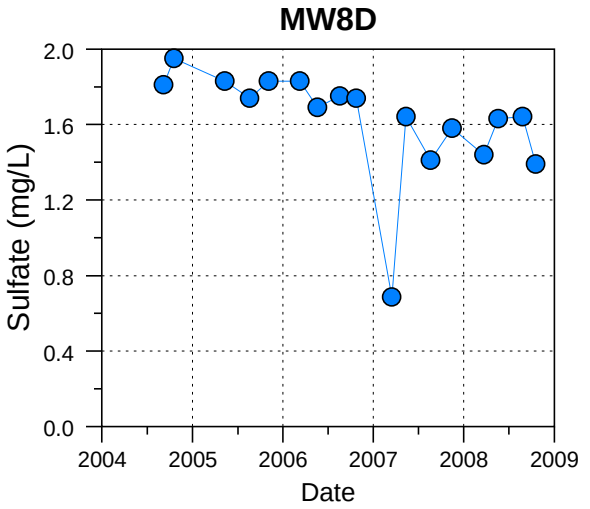
THE pebble PARTNERSHIP

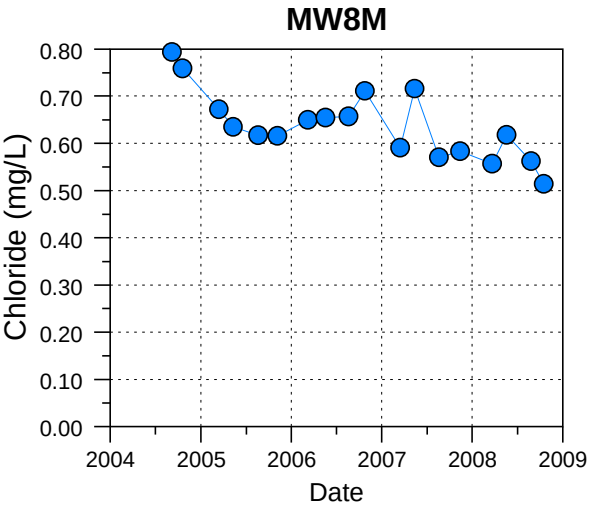
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

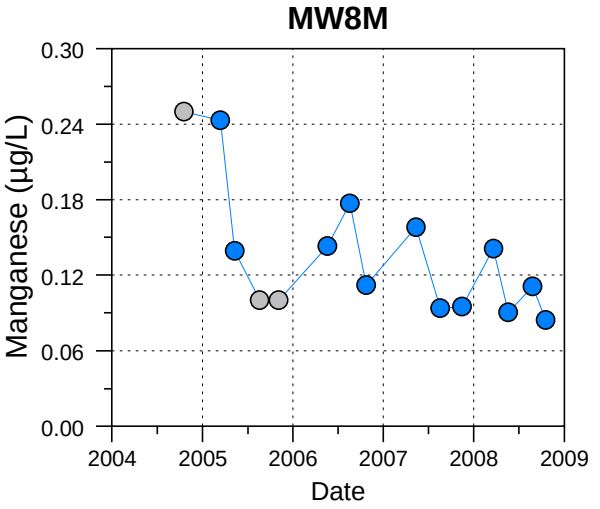
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

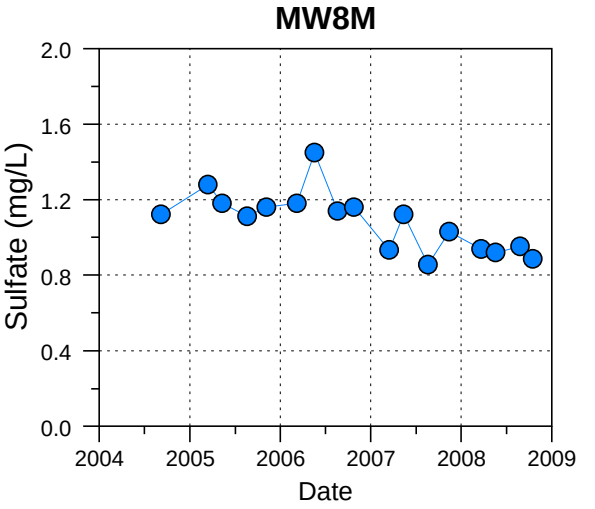












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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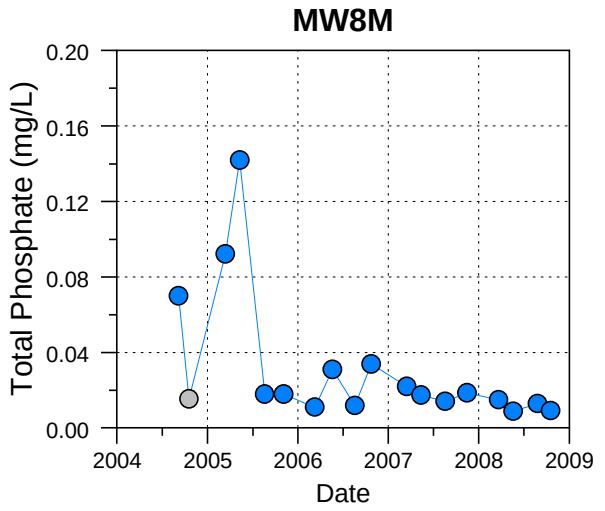
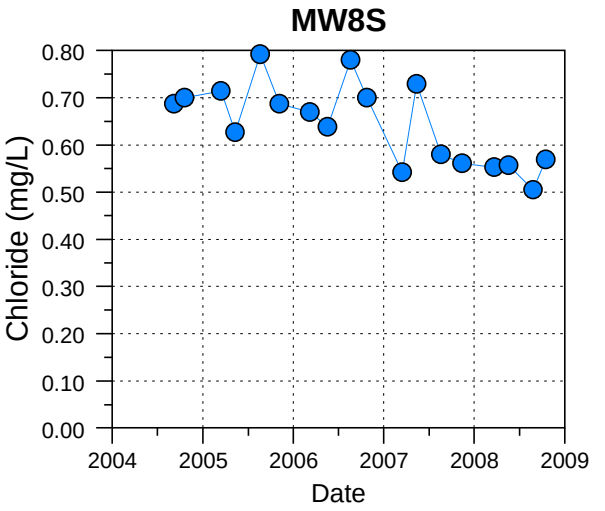
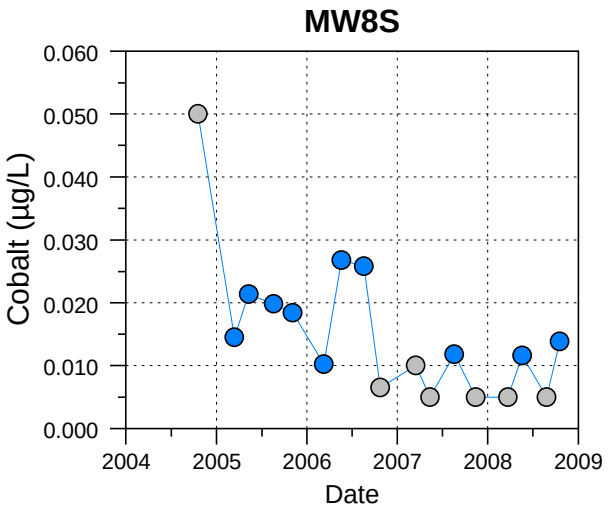
THE pebble PARTNERSHIP

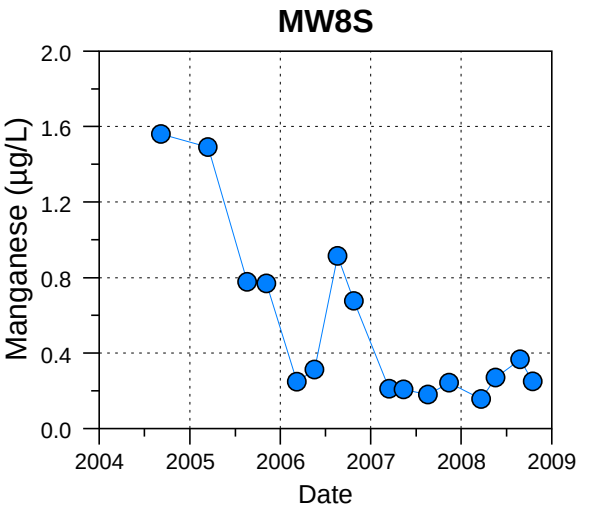
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

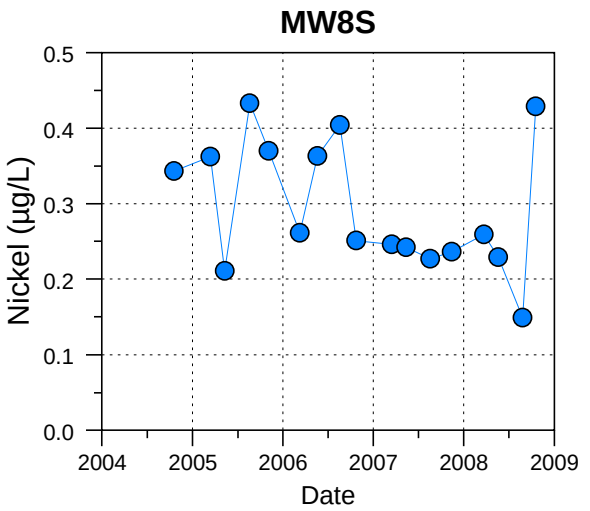
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

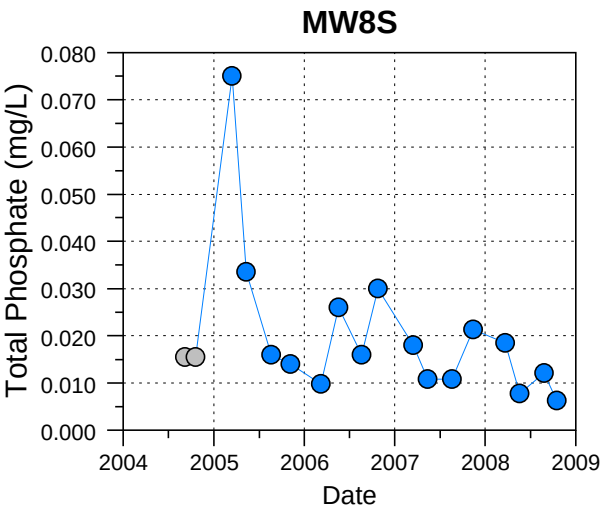












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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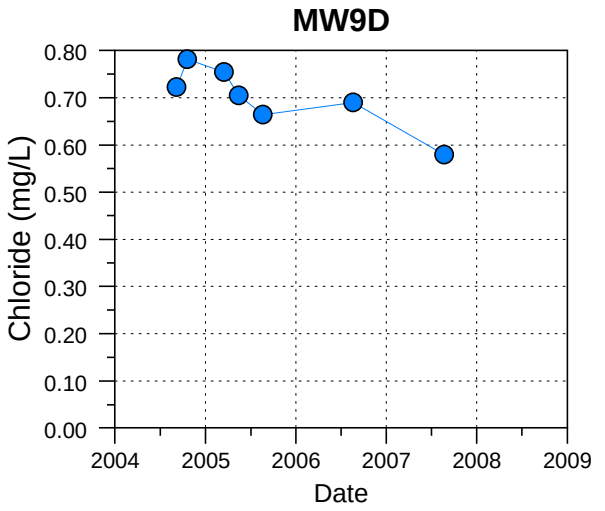
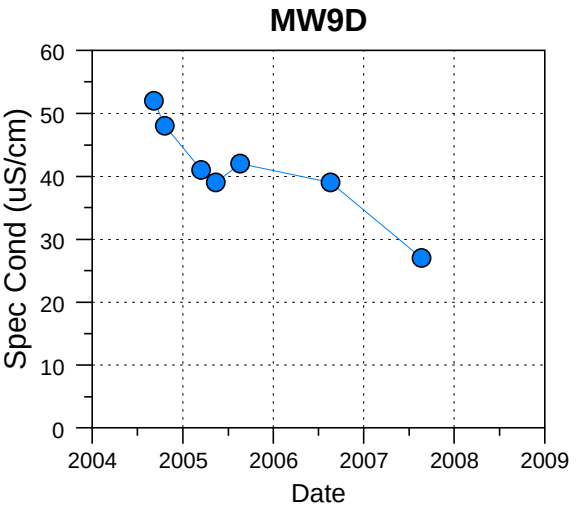
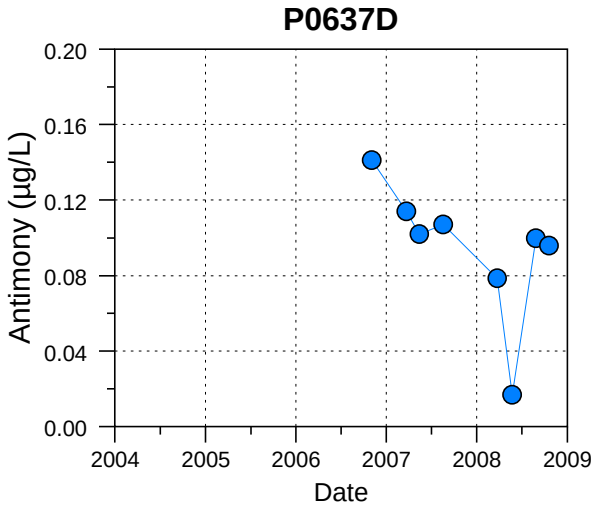
THE pebble PARTNERSHIP

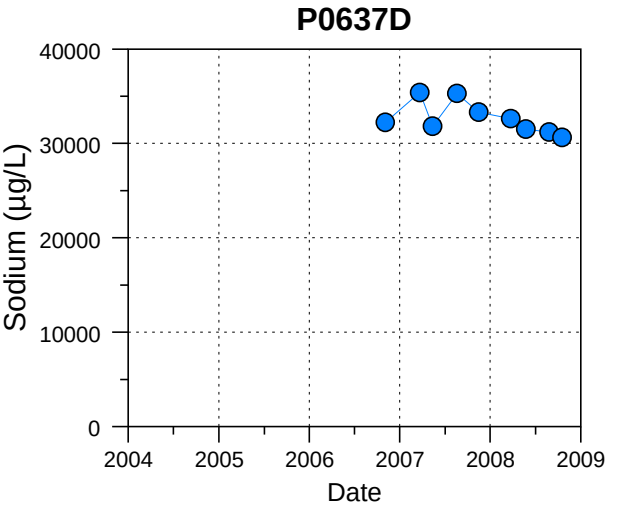
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

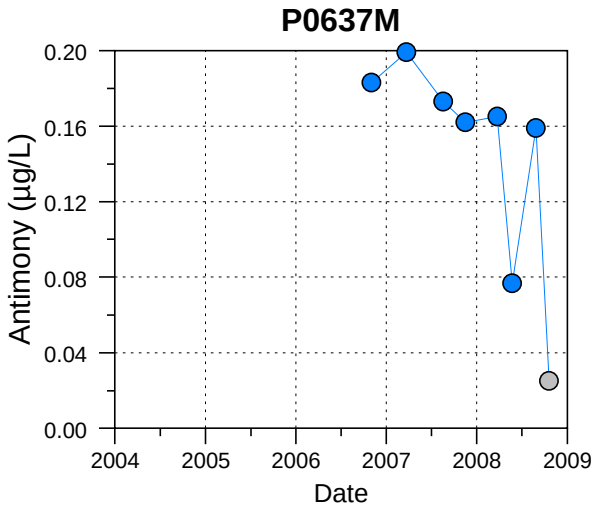
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

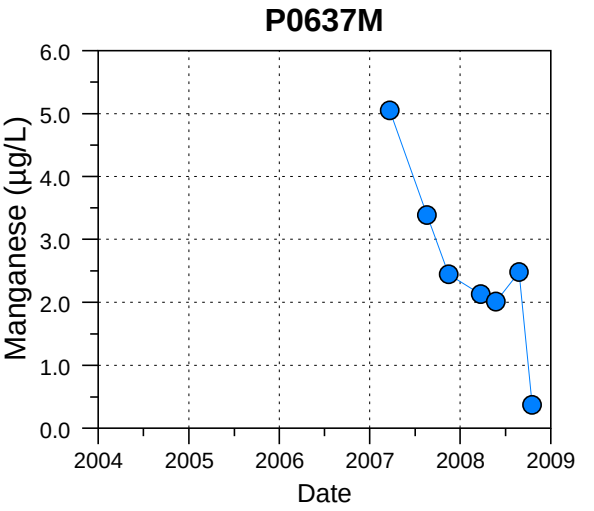












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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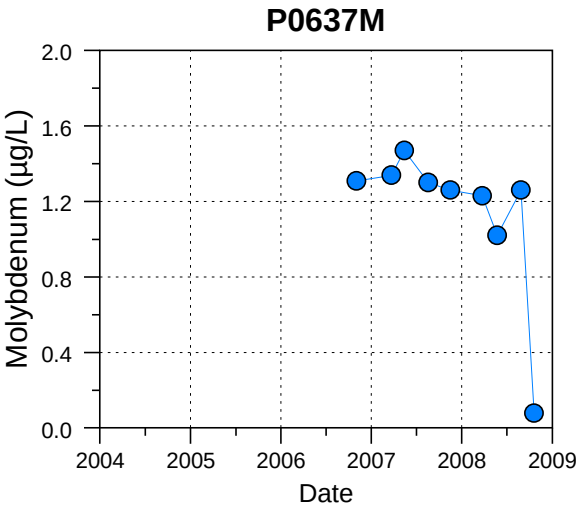
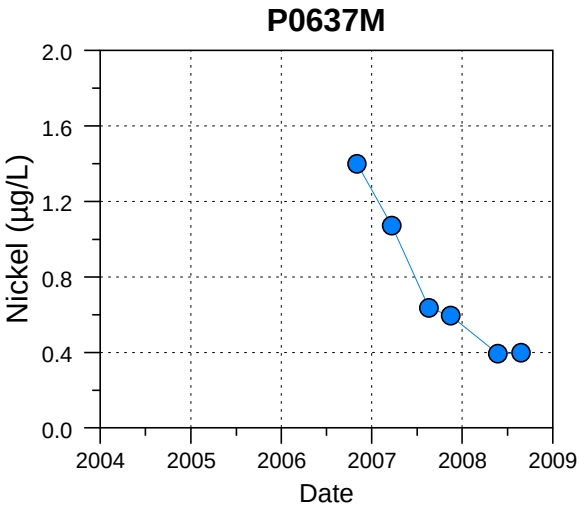
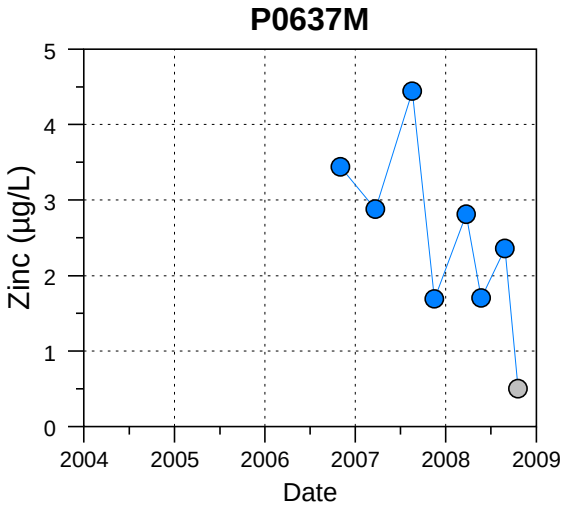
THE pebble PARTNERSHIP

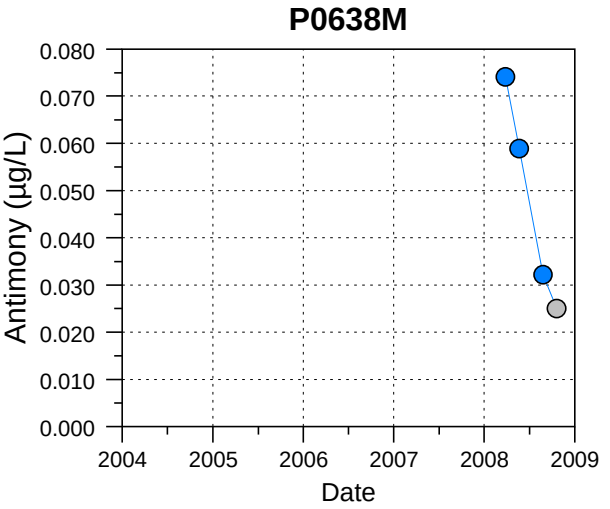
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

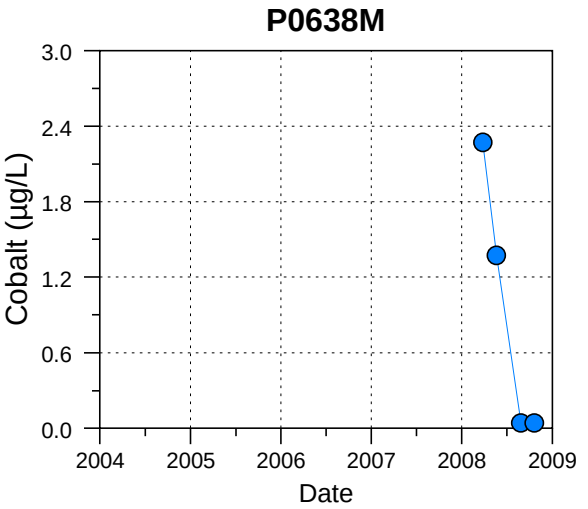
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

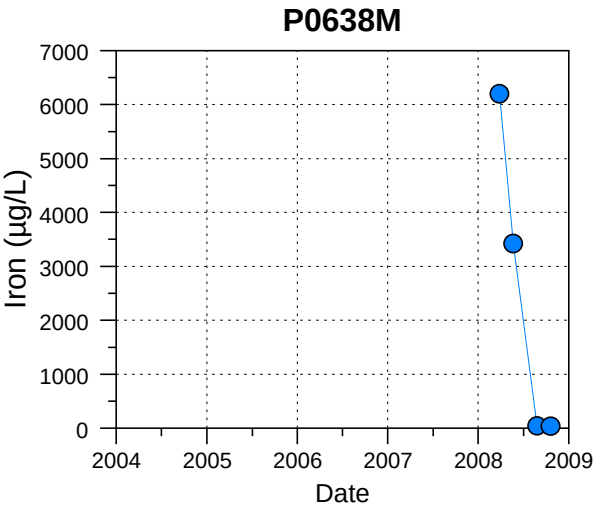












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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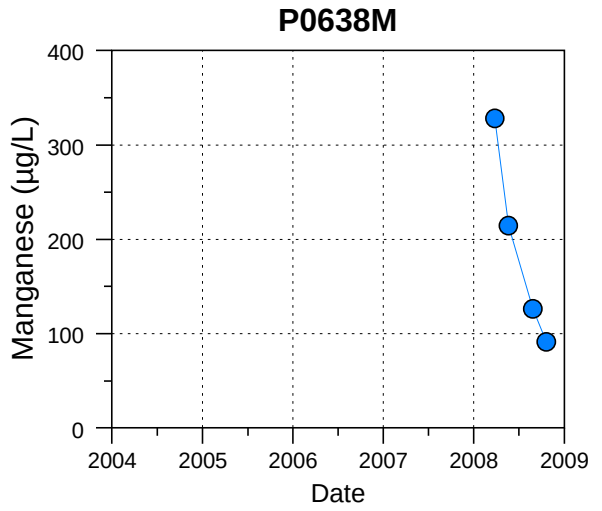
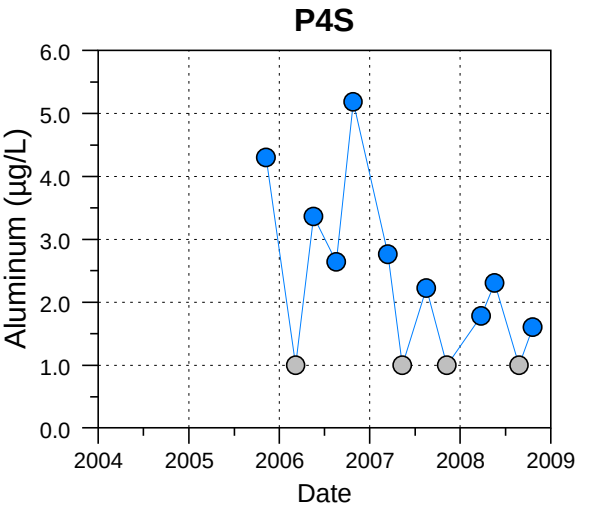
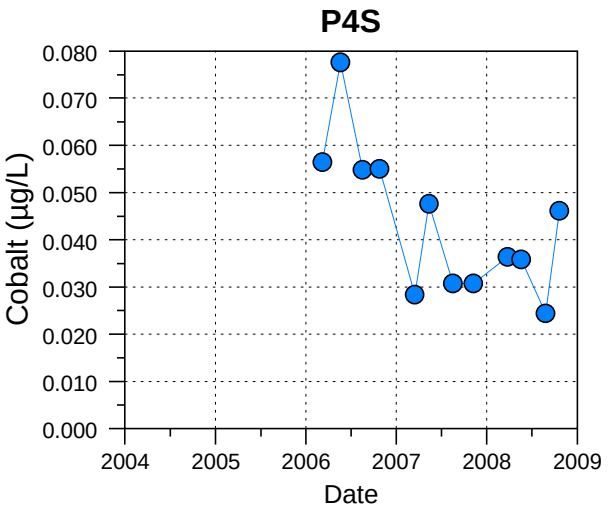
THE pebble PARTNERSHIP

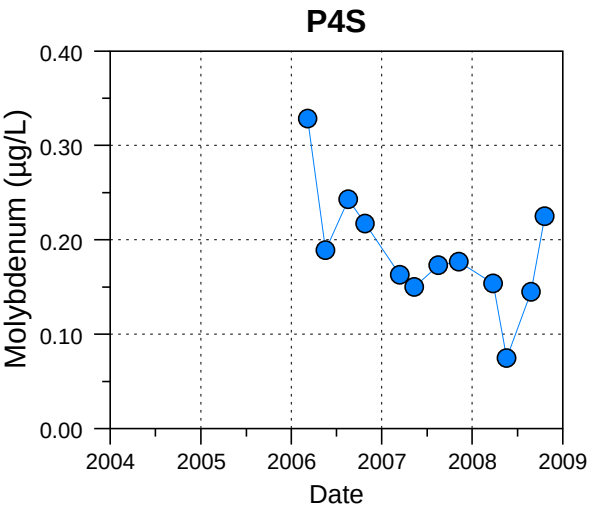
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

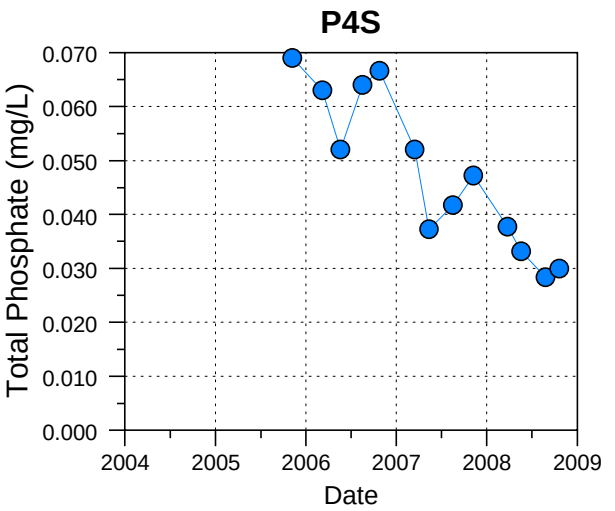
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

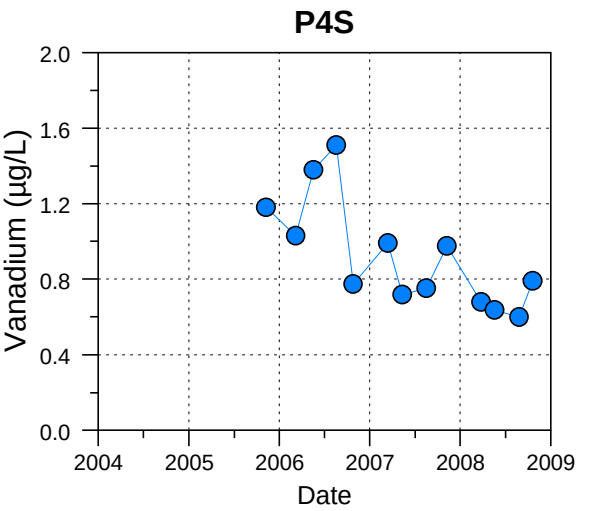












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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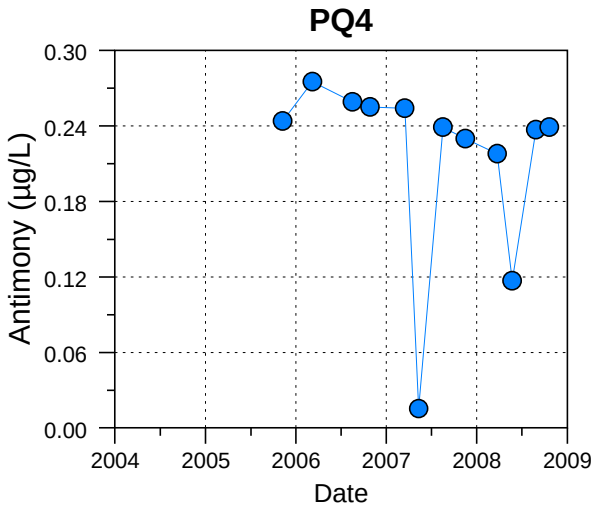
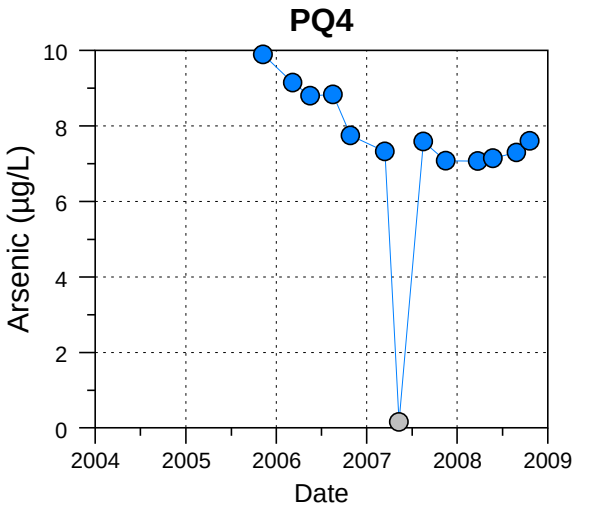
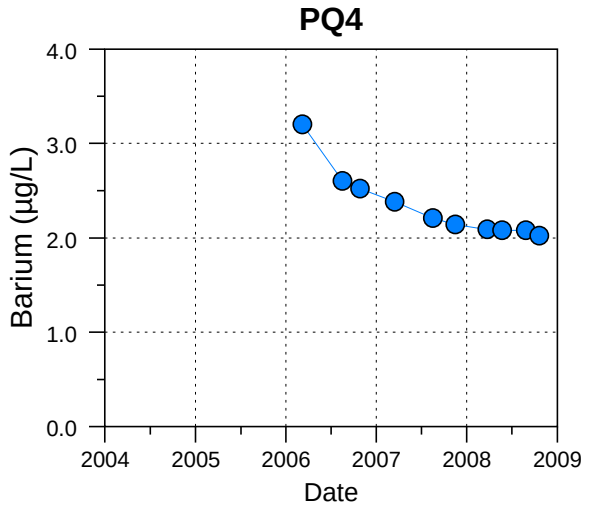
THE pebble PARTNERSHIP

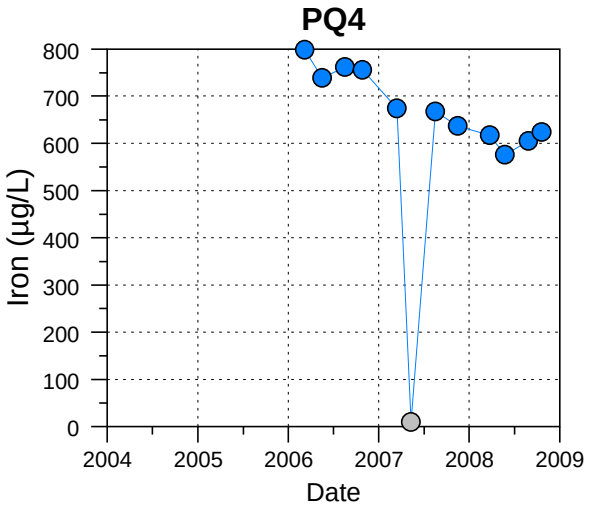
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

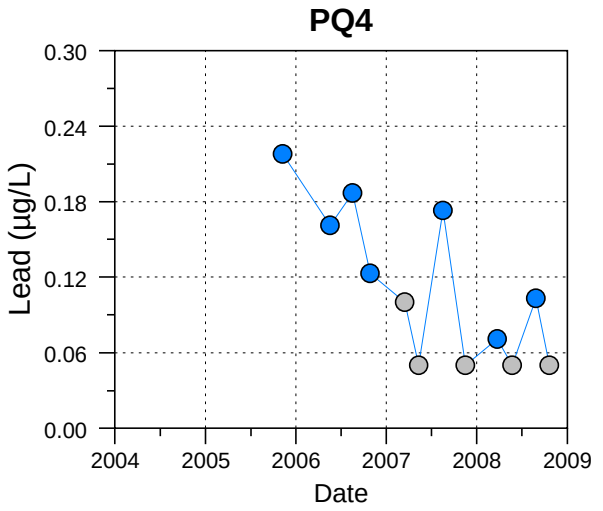
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

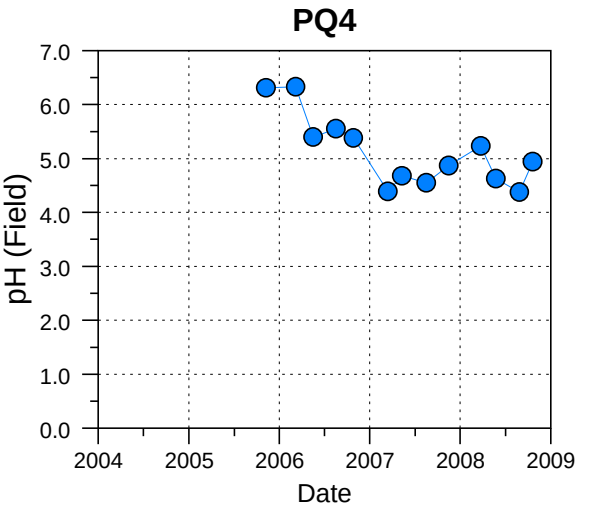












Legend

- Analytical Result
- Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
S: shallow
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3. mg/L= milligrams per liter
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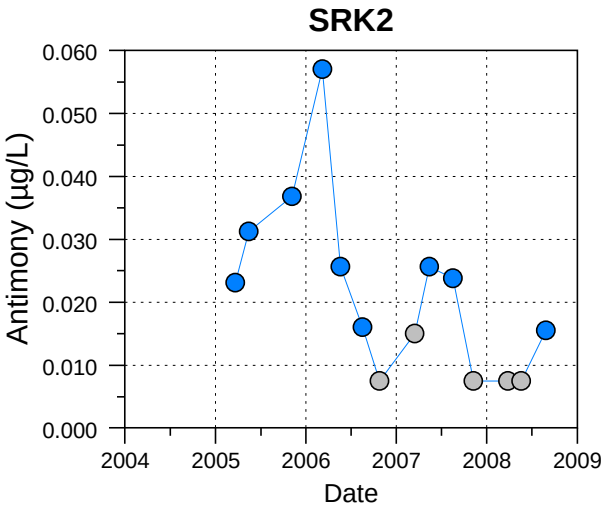
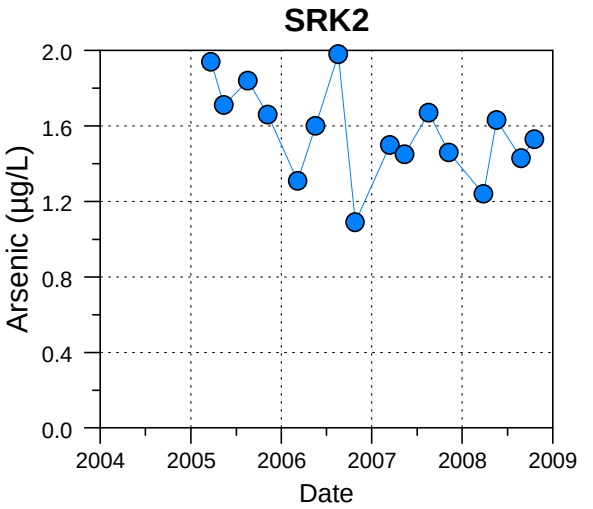
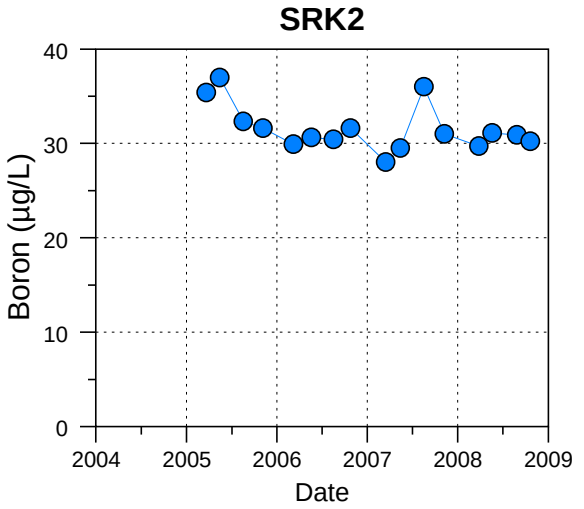
THE pebble PARTNERSHIP

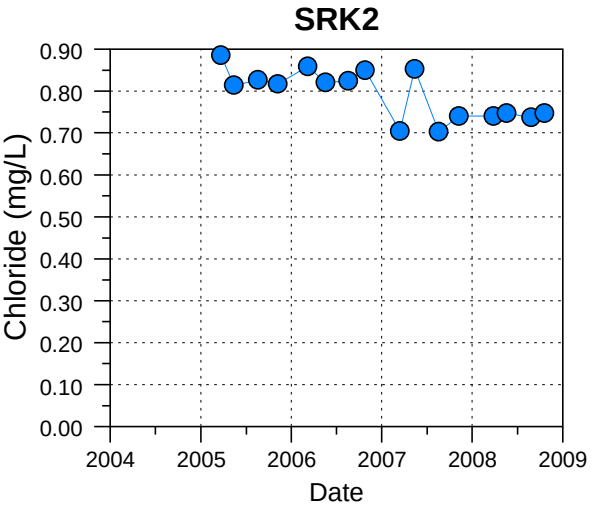
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

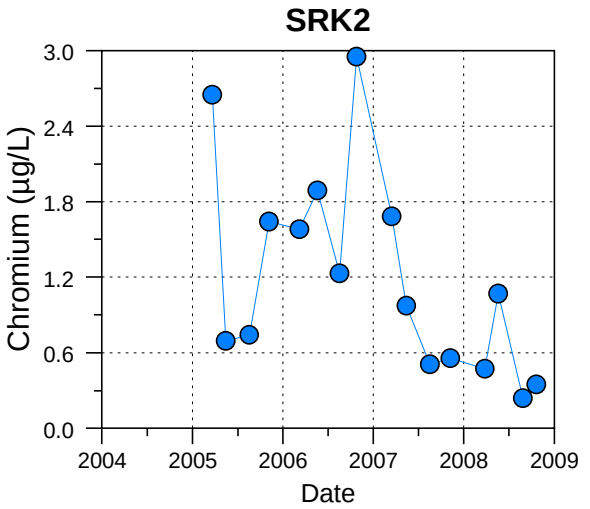
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

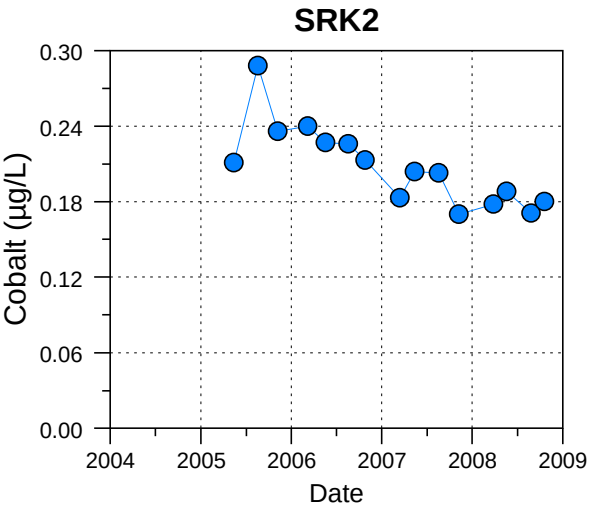












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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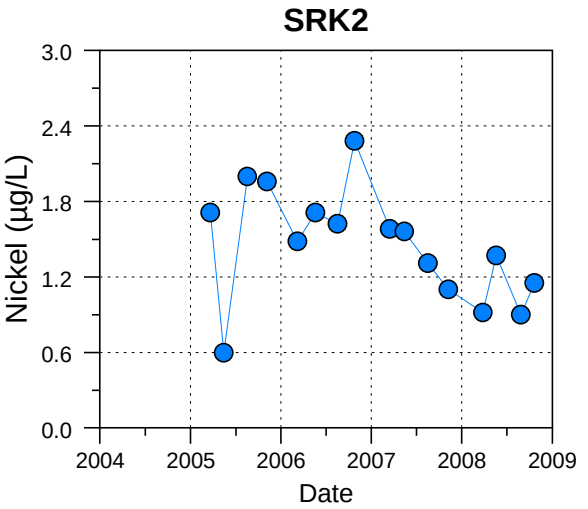
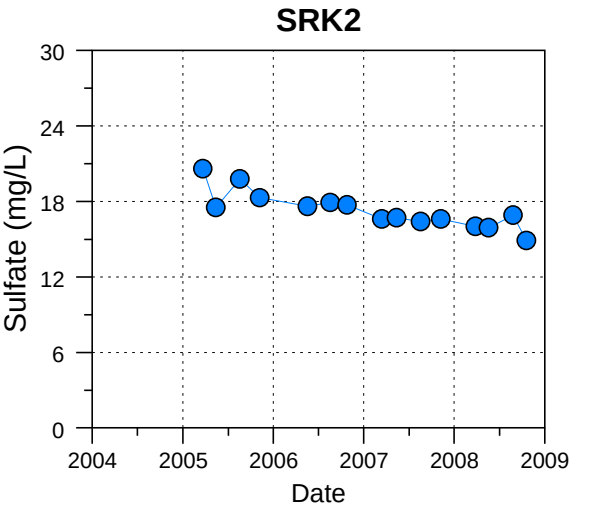
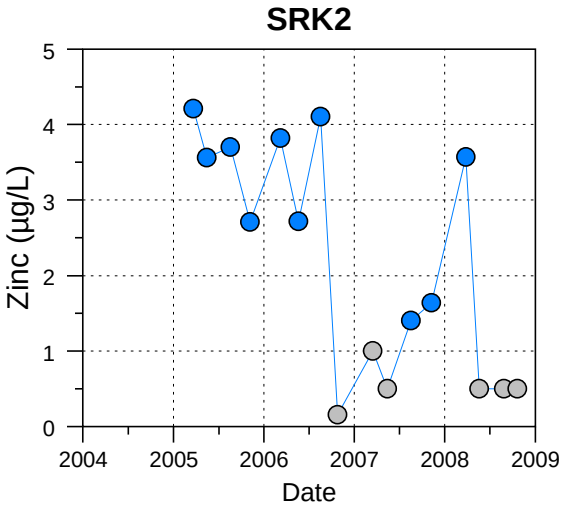
THE pebble PARTNERSHIP

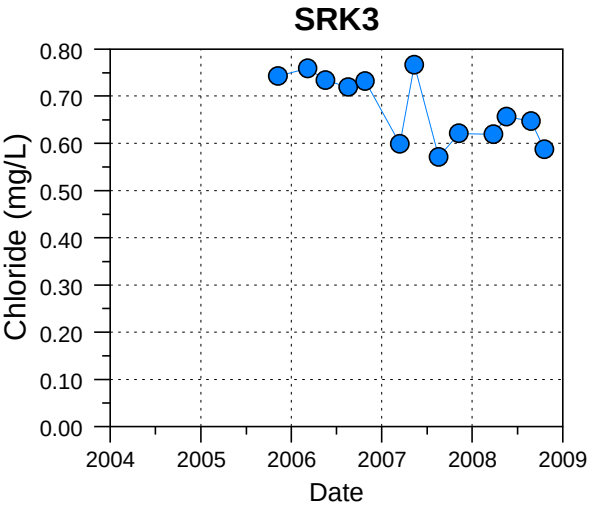
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

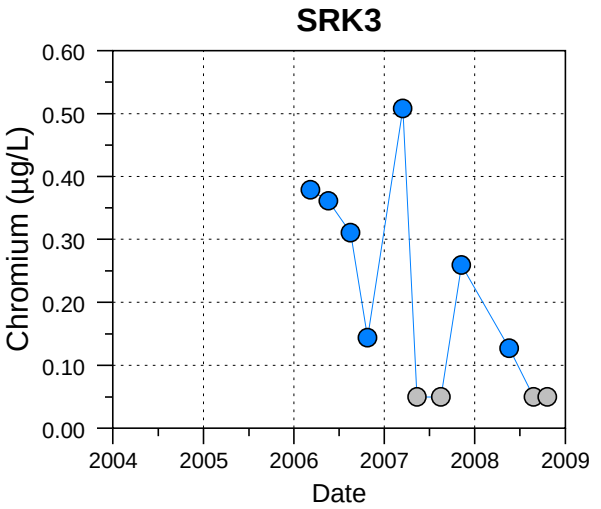
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

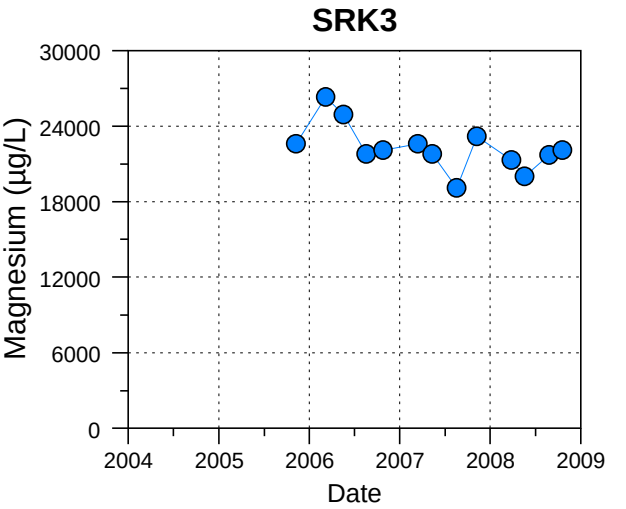












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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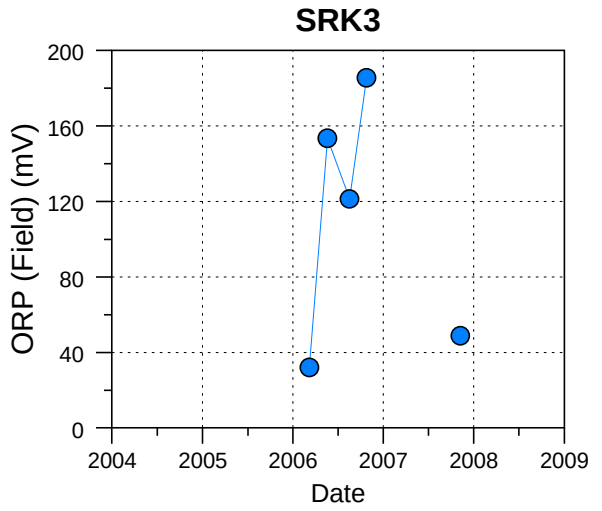
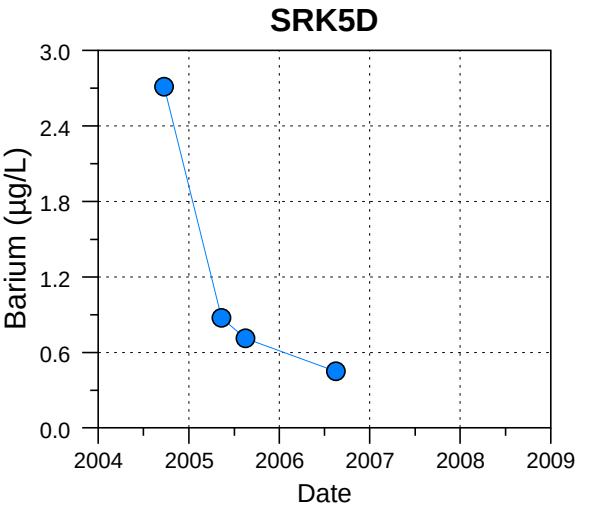
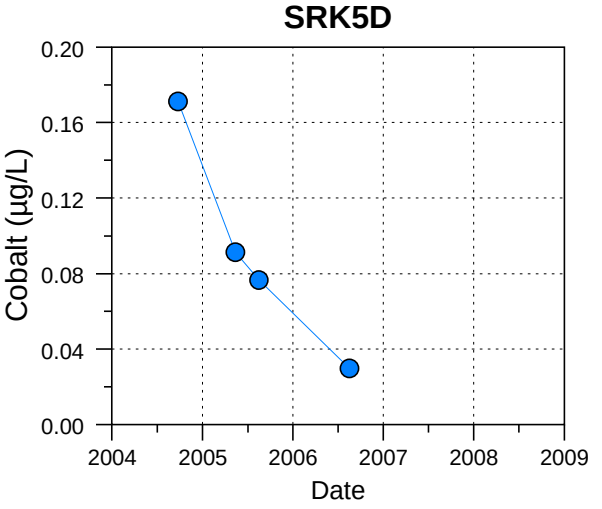
THE pebble PARTNERSHIP

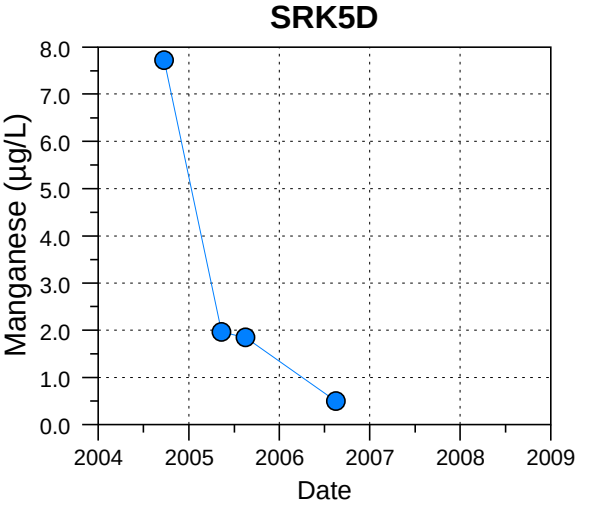
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

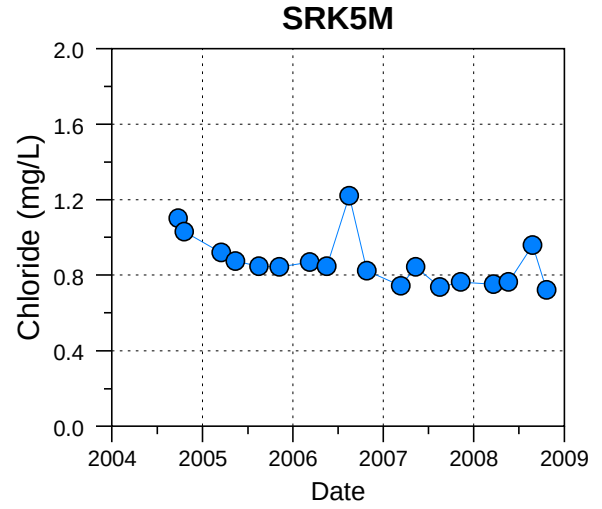
File: 7126	Date: Jul 07, 2011
Version 1	Author: SWS-ca

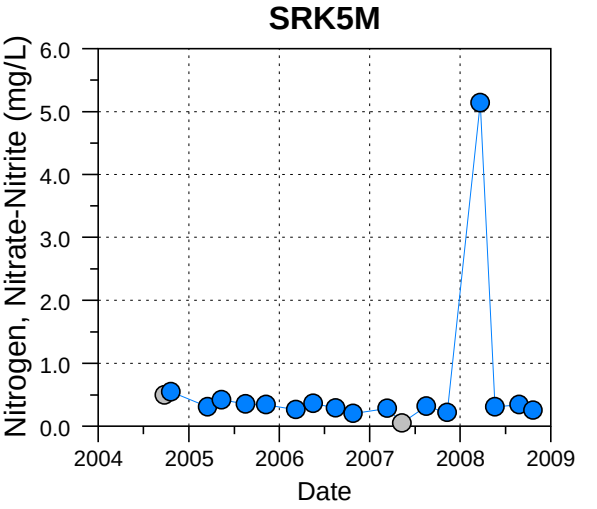












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
percentile of concentration.
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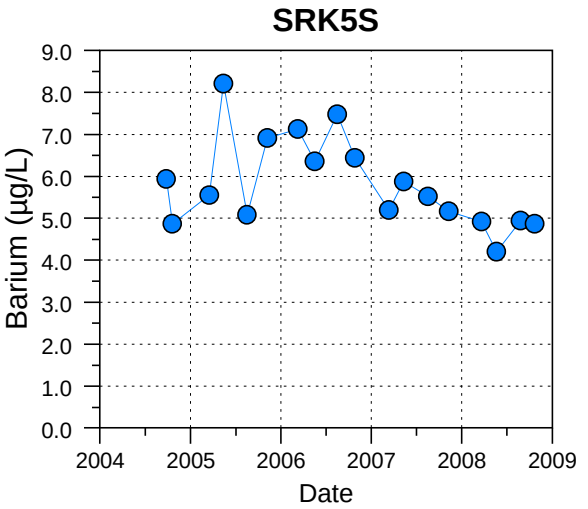
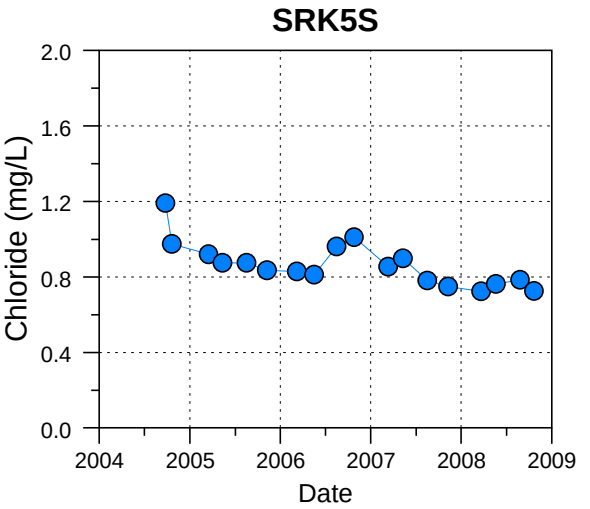
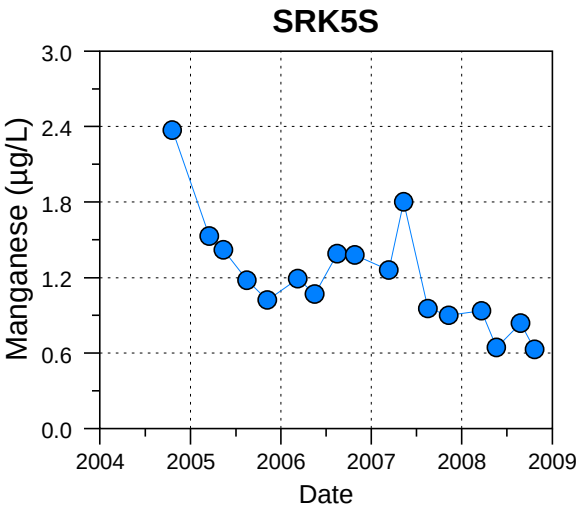
THE pebble PARTNERSHIP

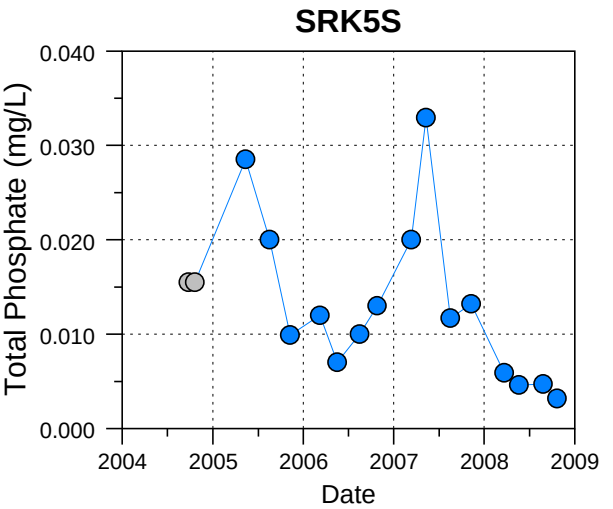
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

File: 7126	Date: Jul 07, 2011
Version 1	Author: SWS-ca









Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
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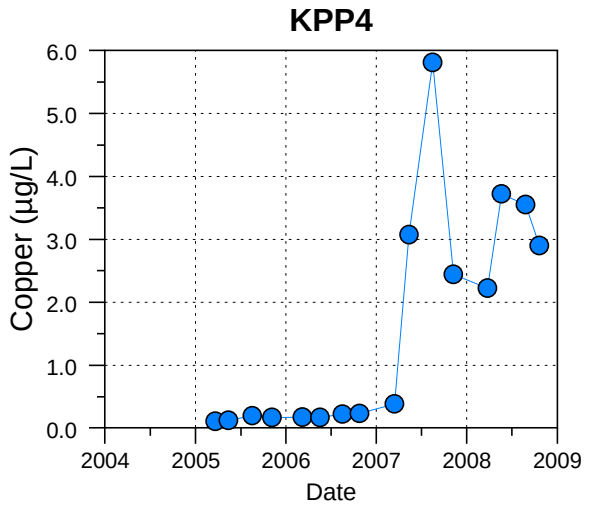
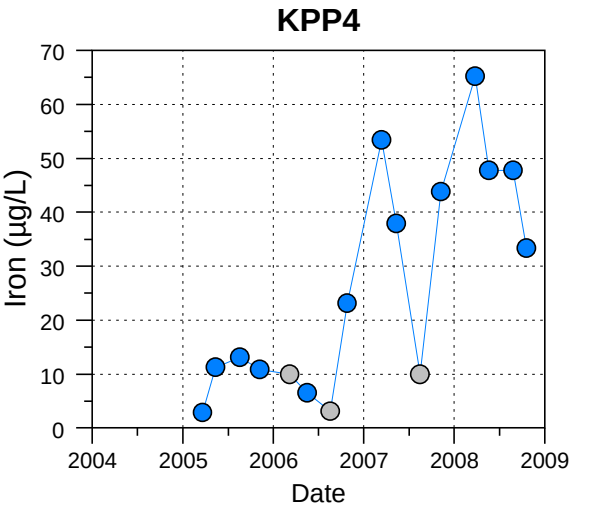
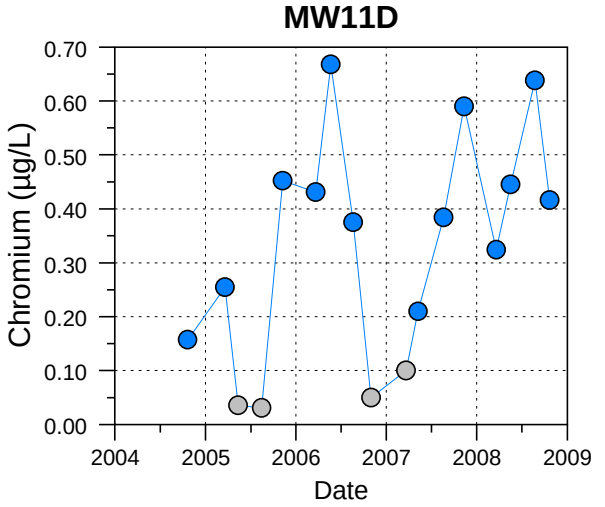
THE pebble PARTNERSHIP

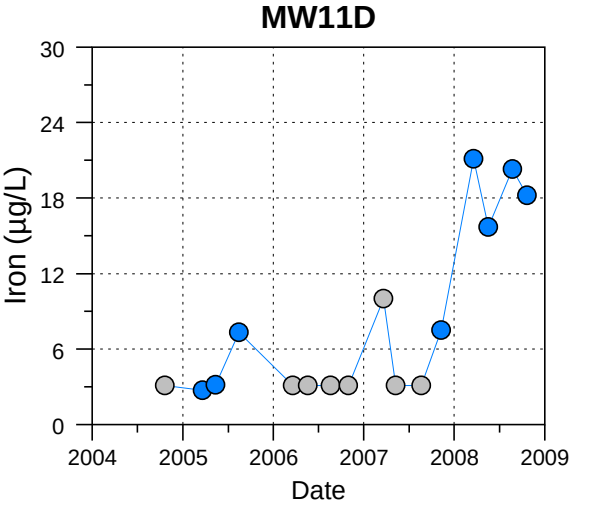
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Decreasing Trend

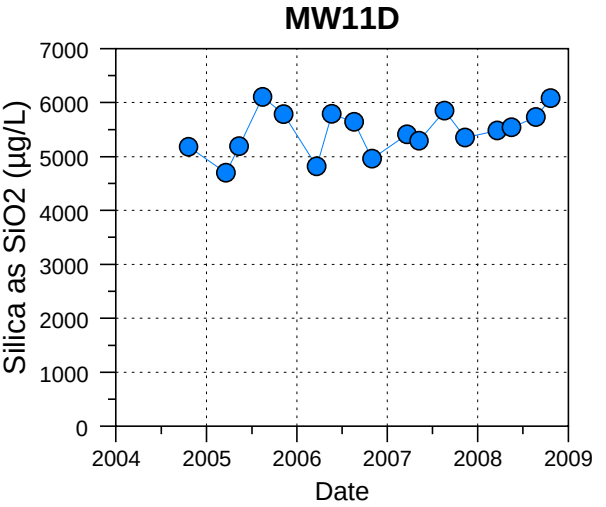
File: 7126	Date: Jul 07, 2011
Version 1	Author: SWS-ca

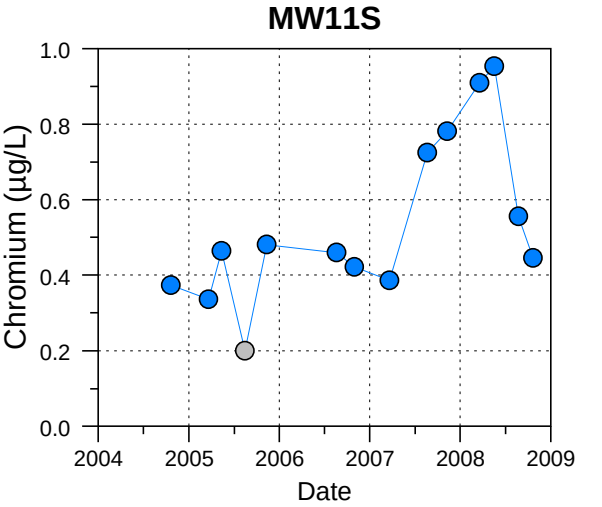












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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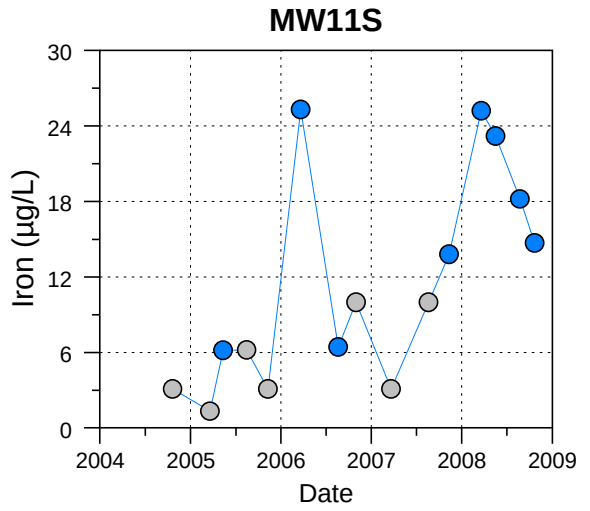
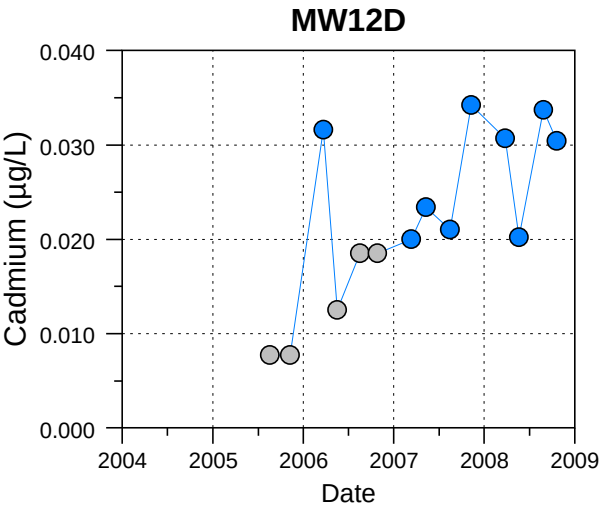
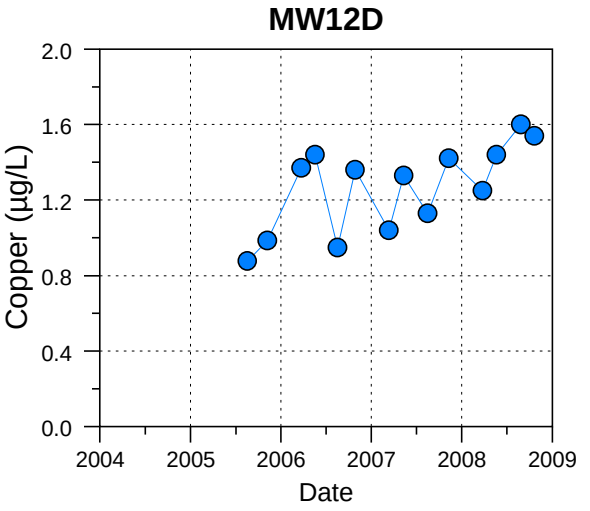
THE pebble PARTNERSHIP

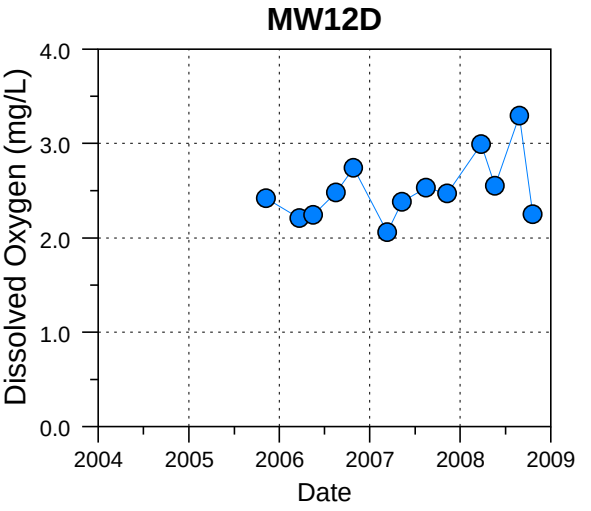
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

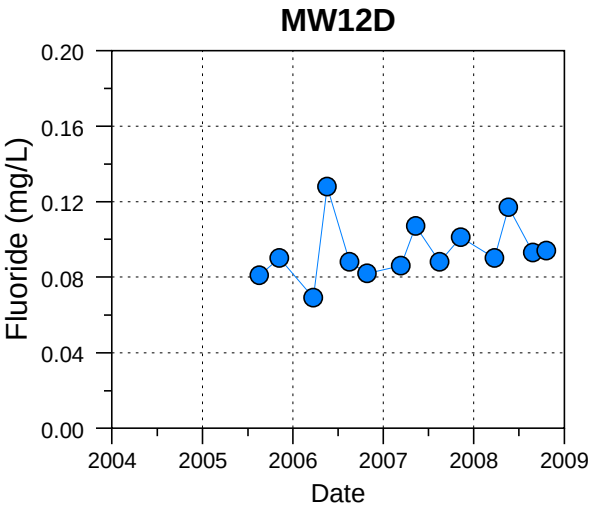
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

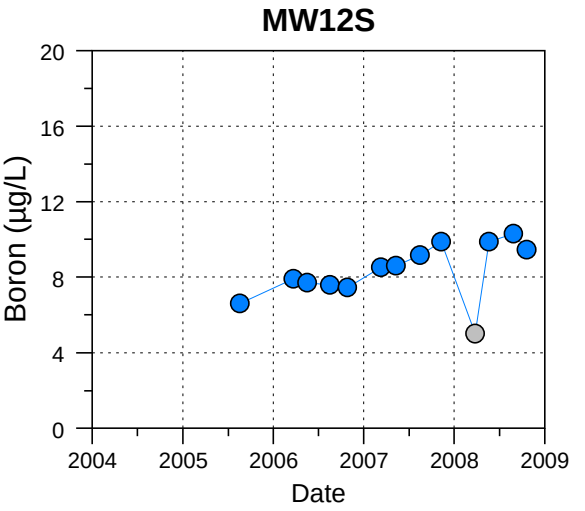












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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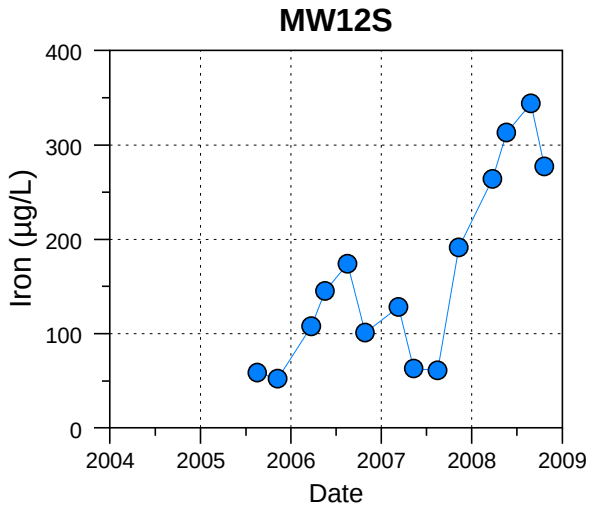
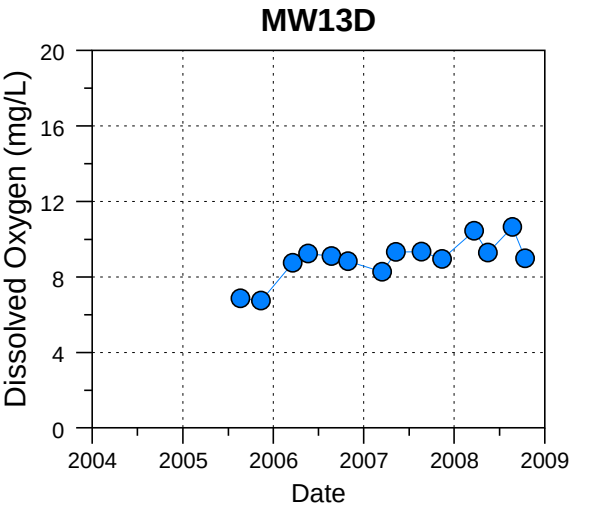
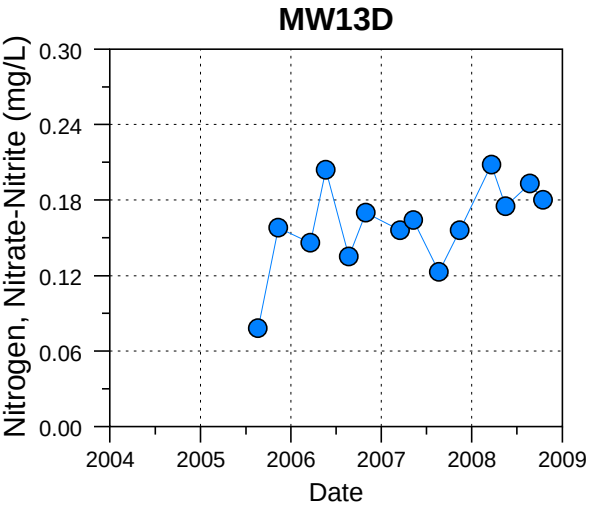
THE pebble PARTNERSHIP

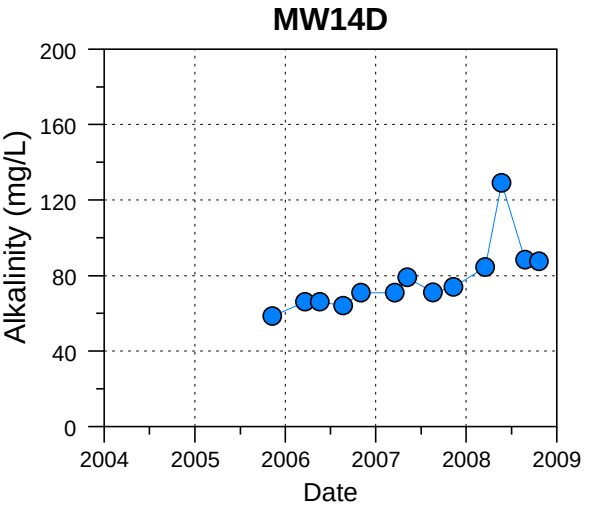
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

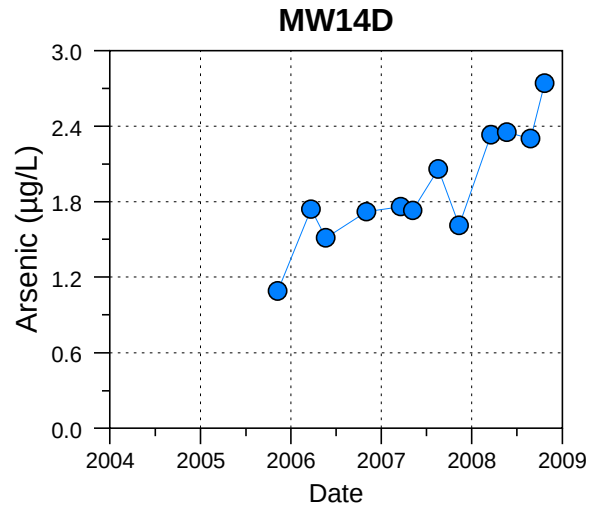
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

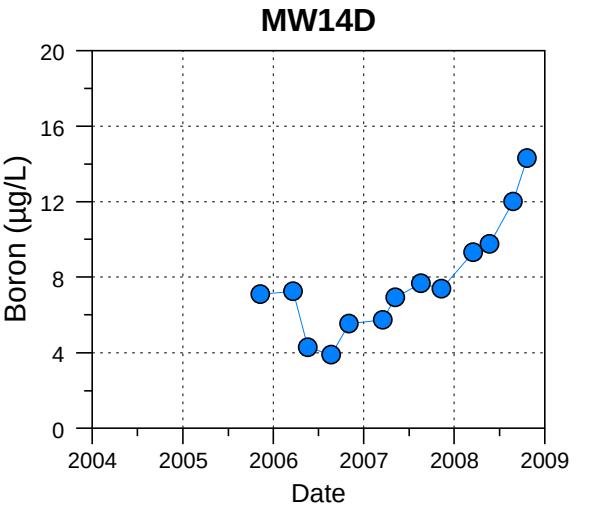












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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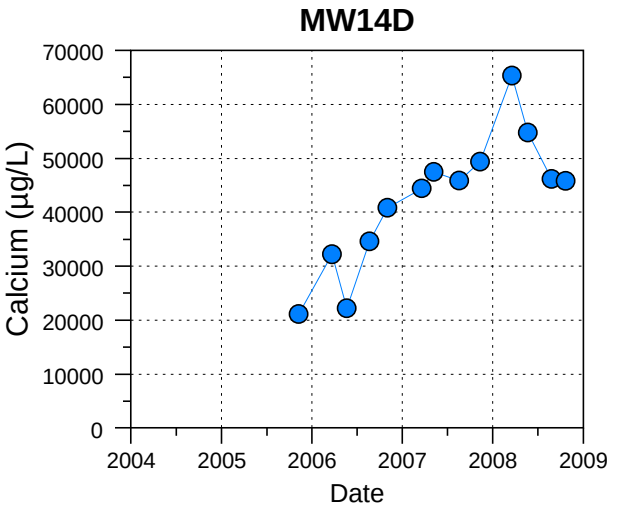
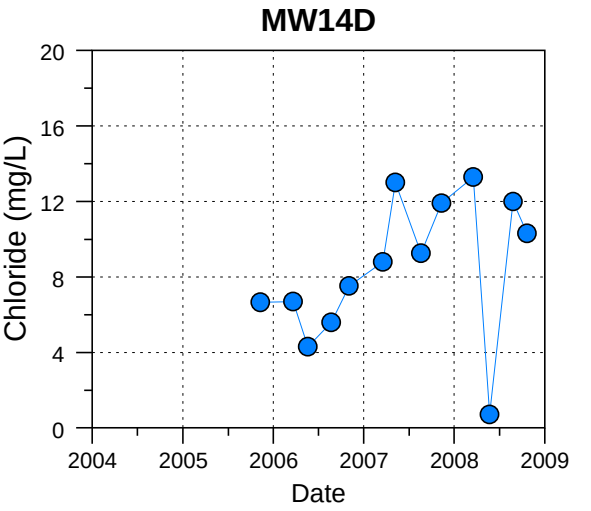
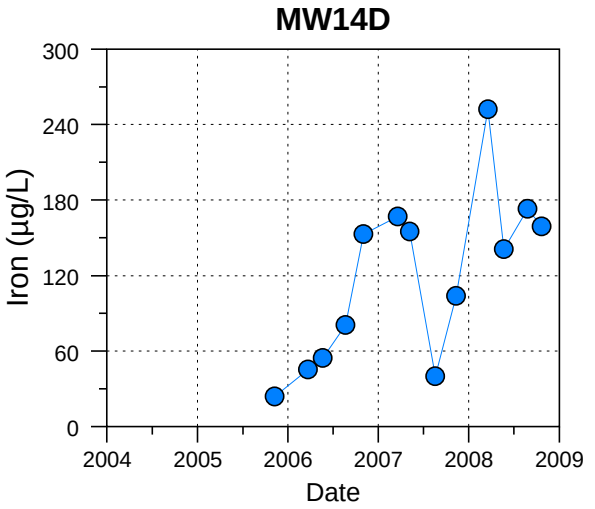
THE pebble PARTNERSHIP

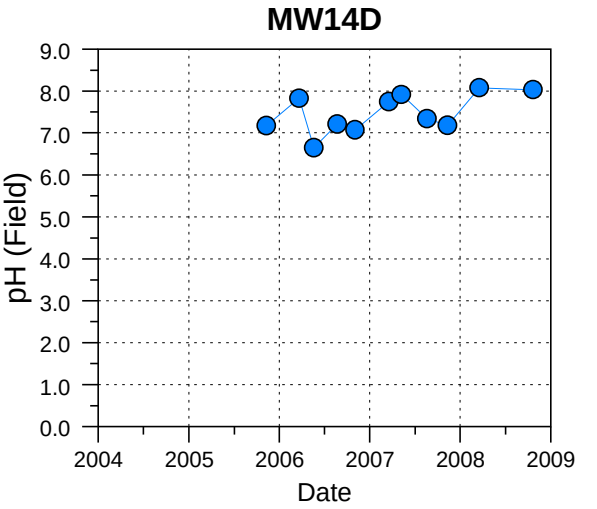
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

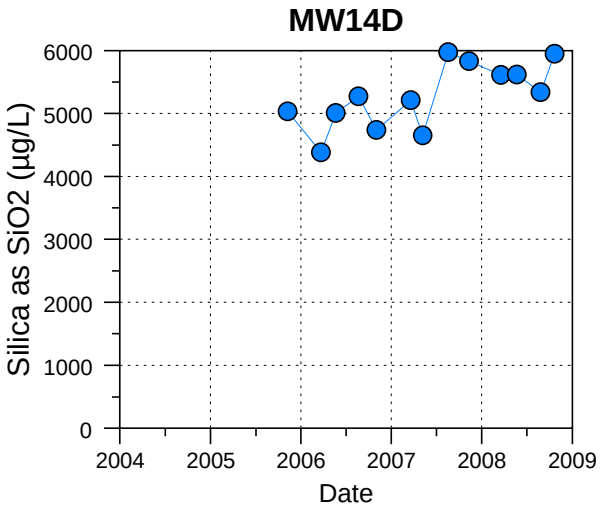
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

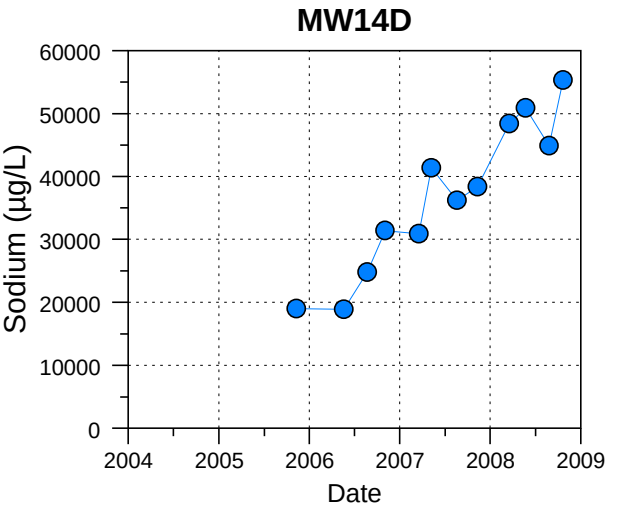












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
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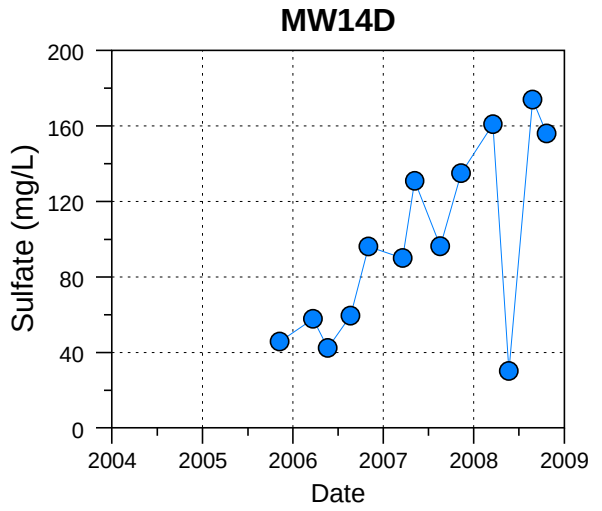
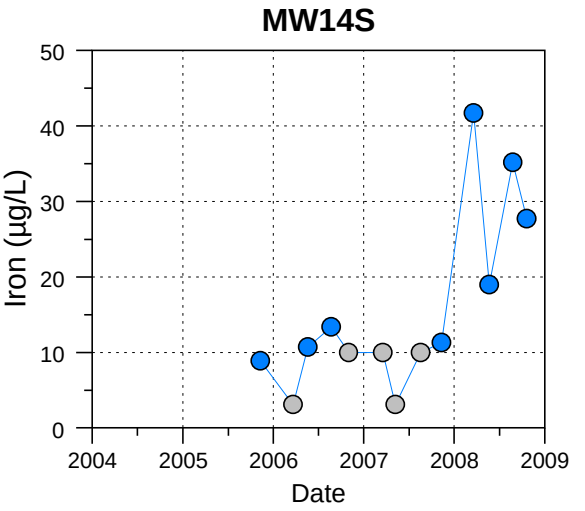
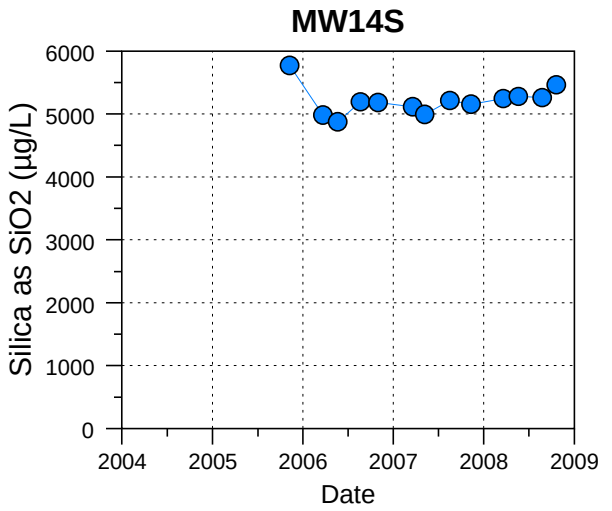
THE pebble PARTNERSHIP

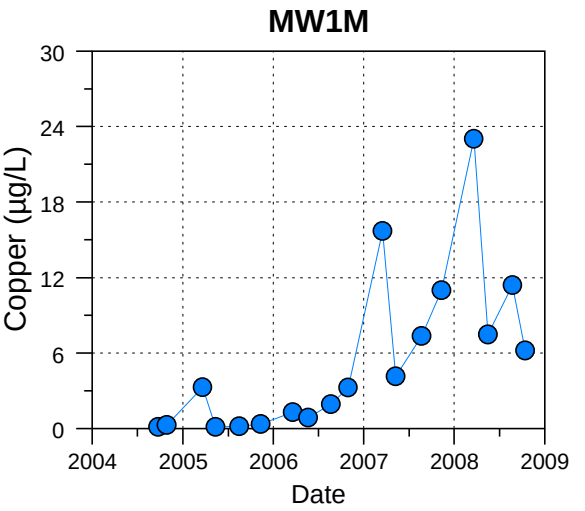
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

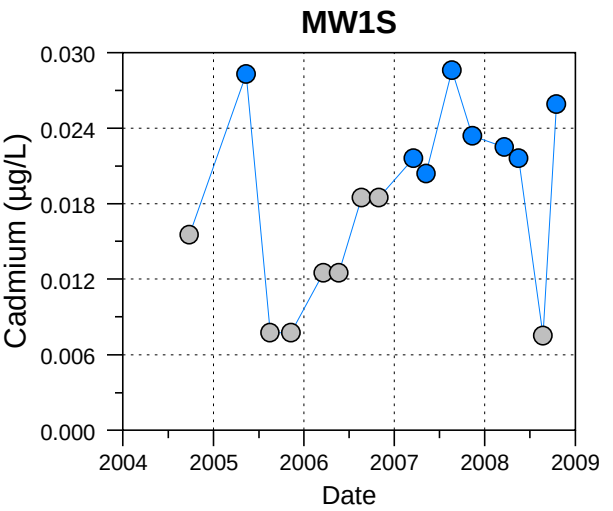
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

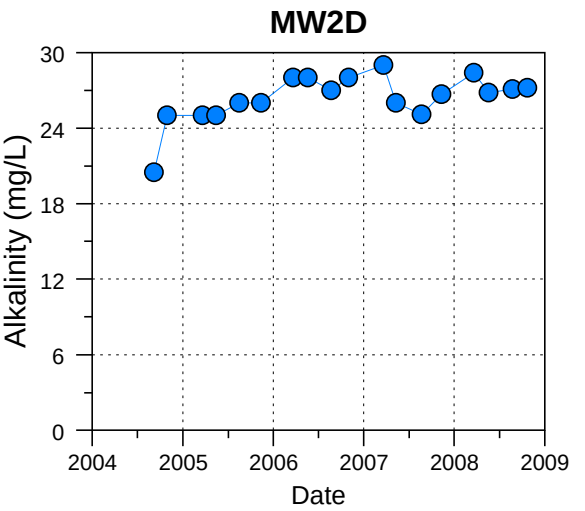












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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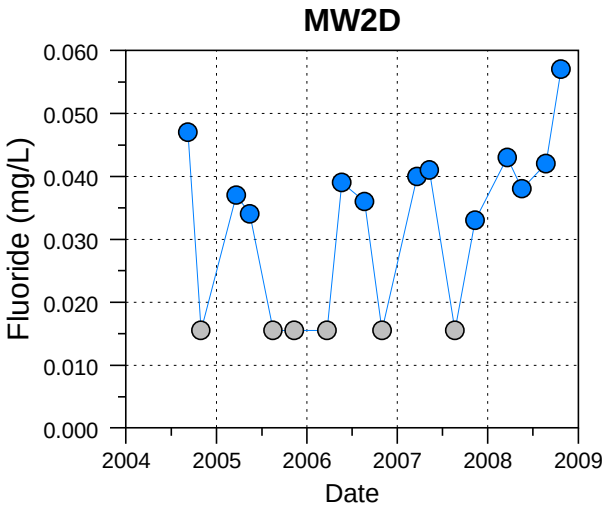
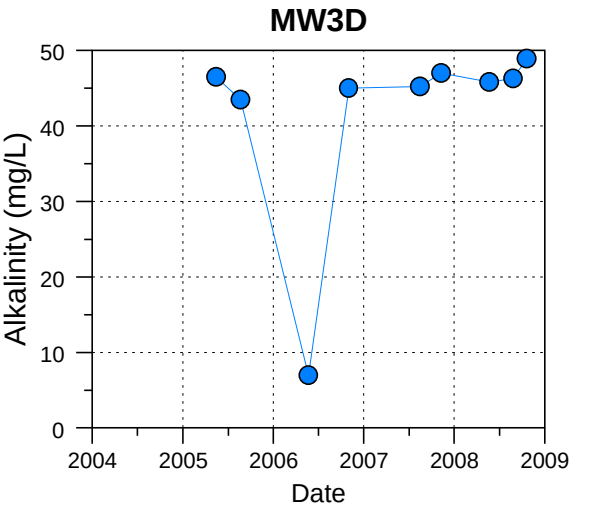
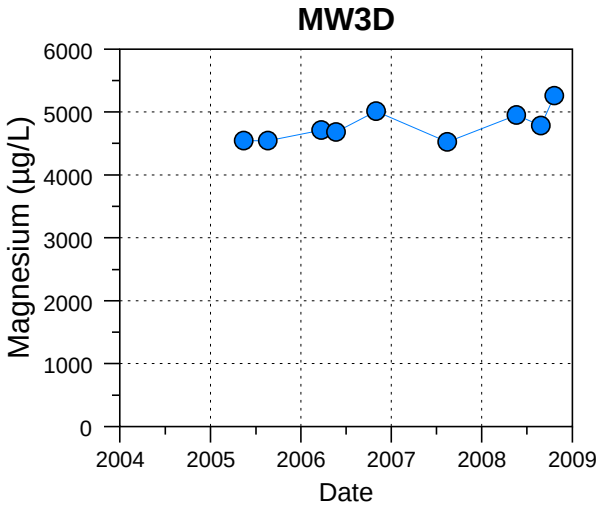
THE pebble PARTNERSHIP

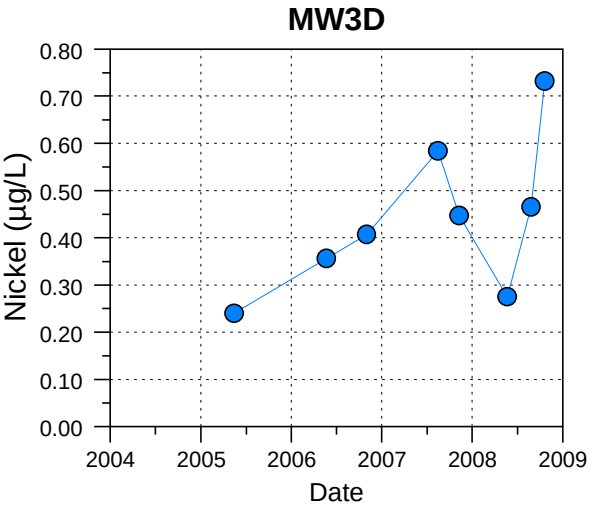
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

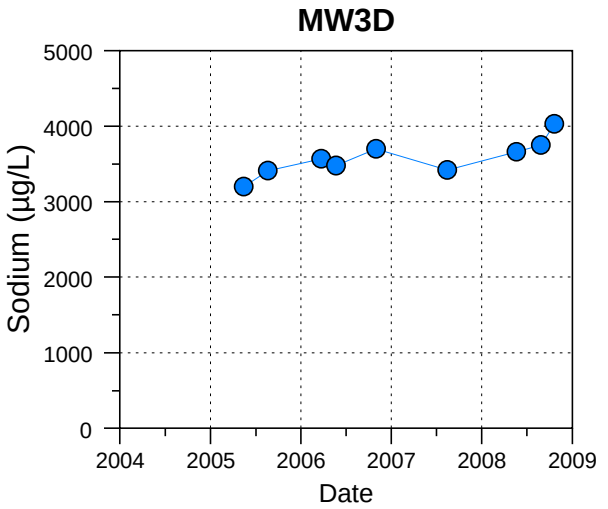
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

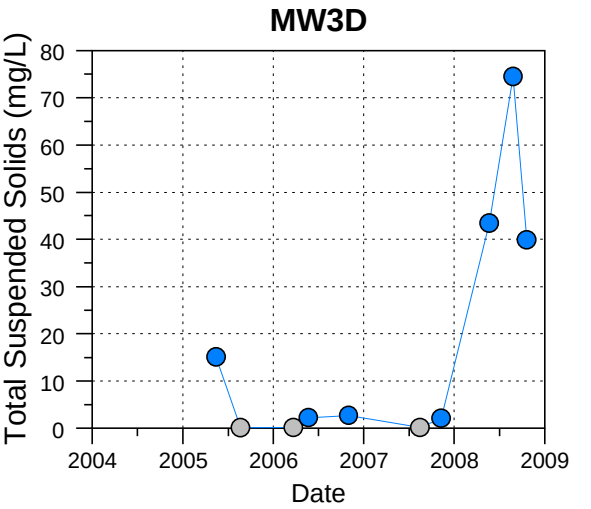












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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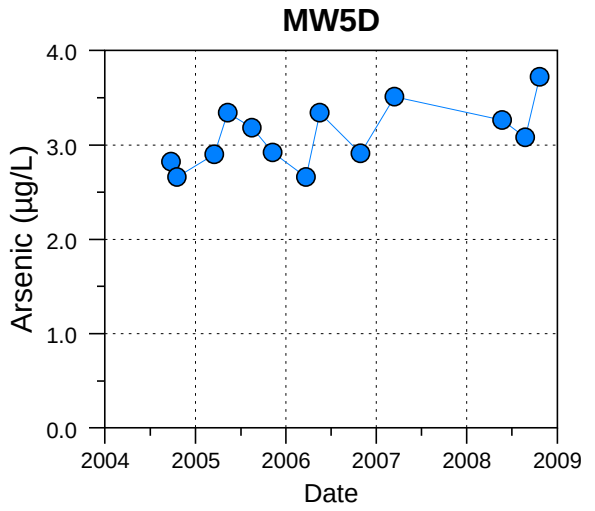
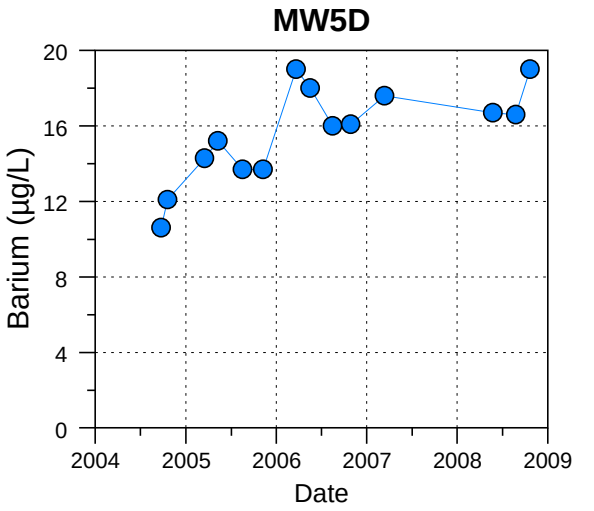
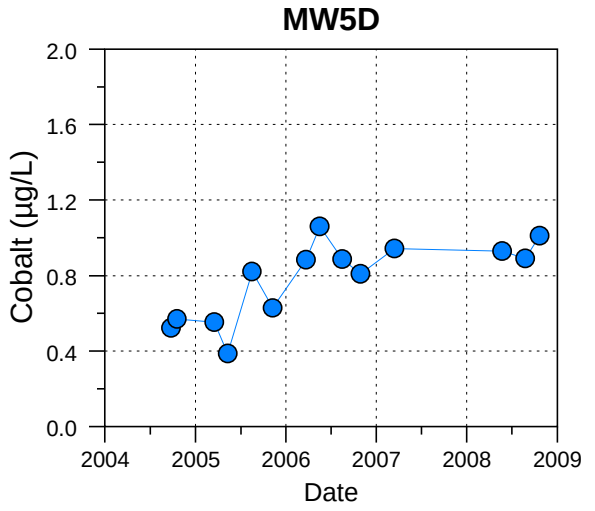
THE pebble PARTNERSHIP

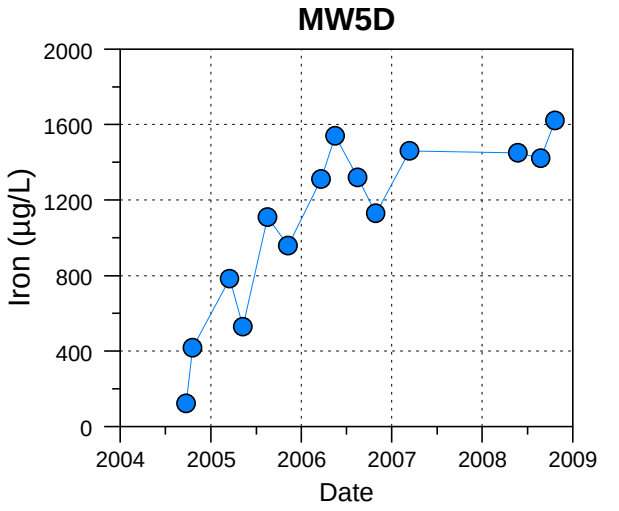
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

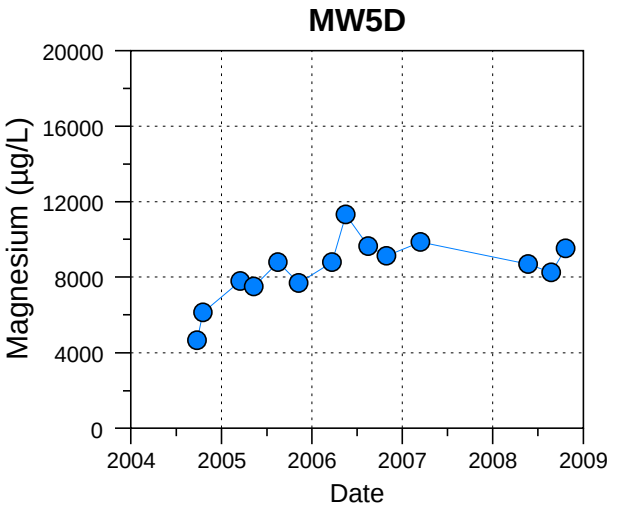
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

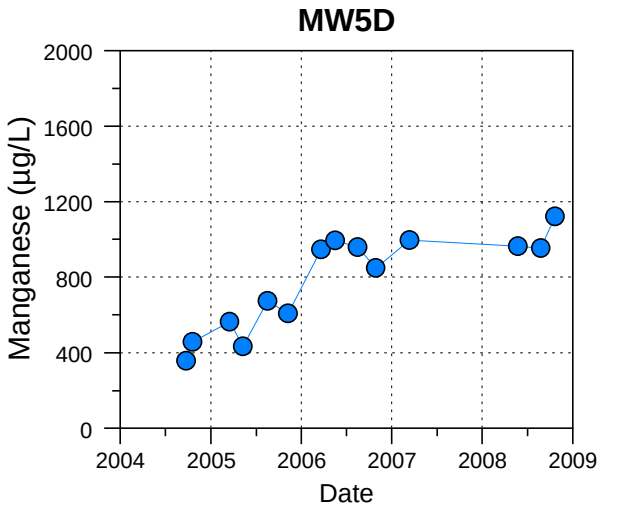












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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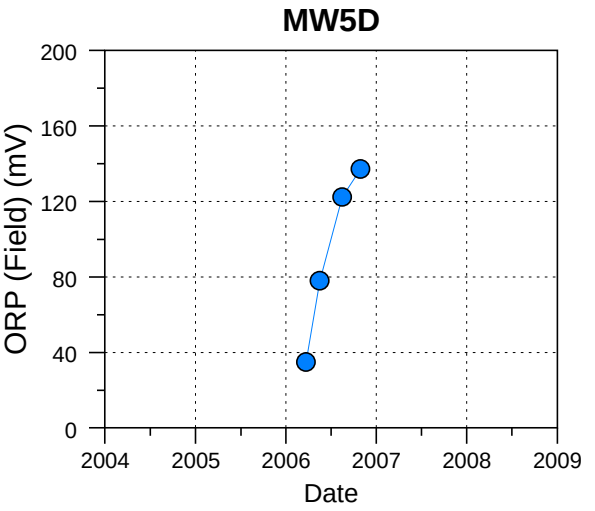
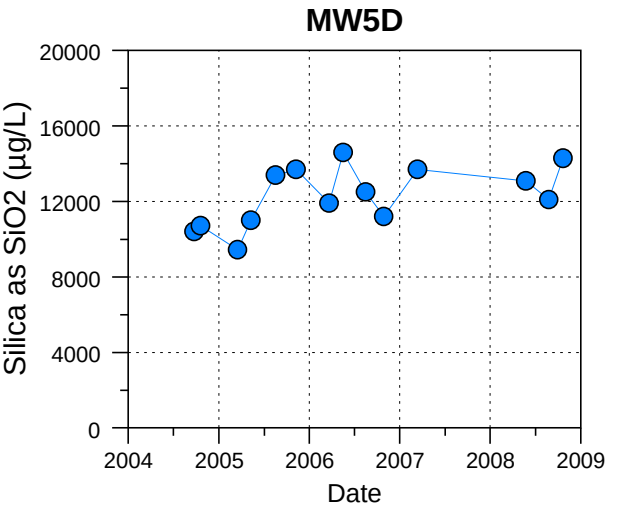
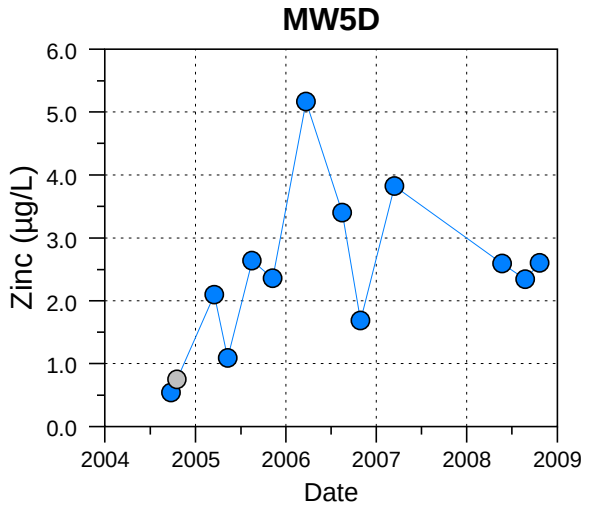
THE pebble PARTNERSHIP

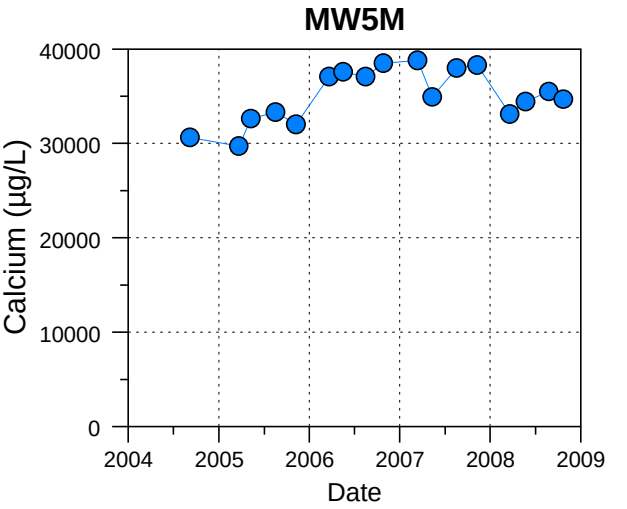
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

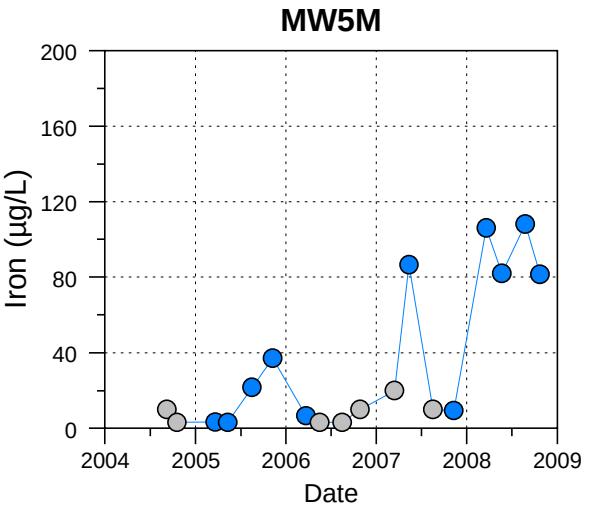
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

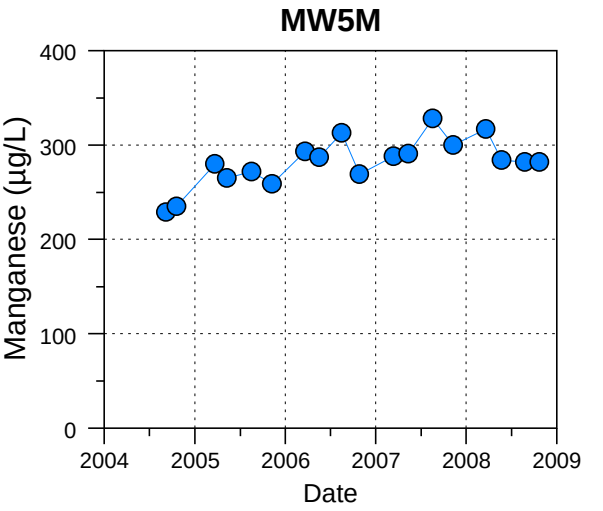












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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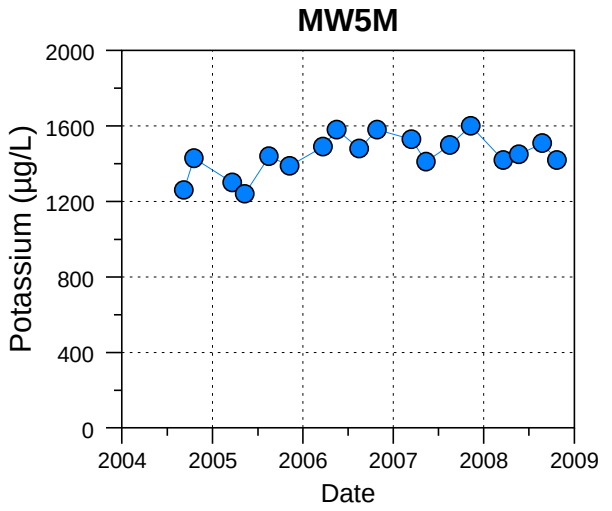
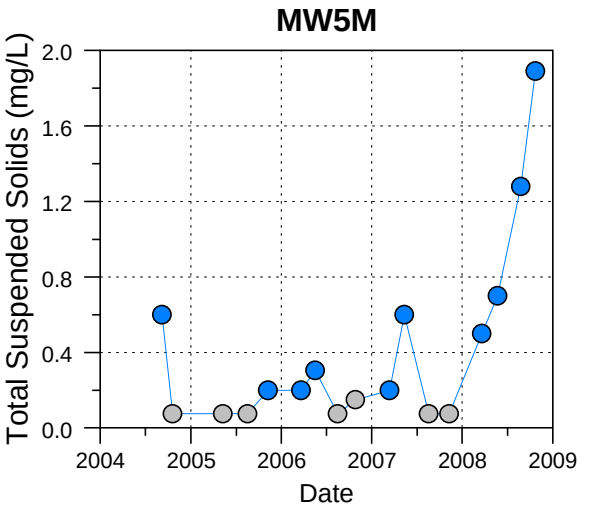
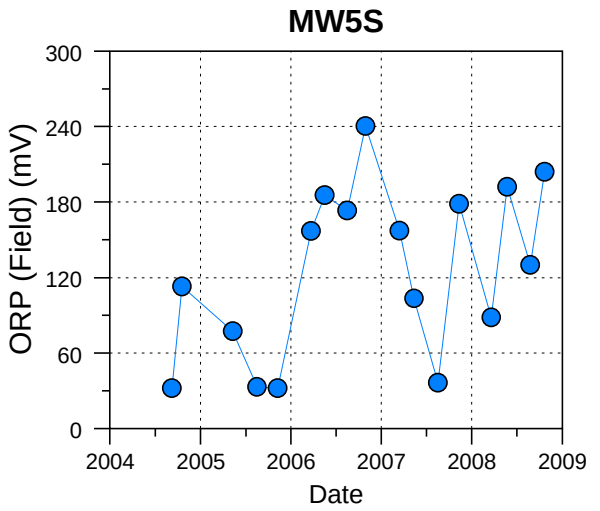
THE pebble PARTNERSHIP

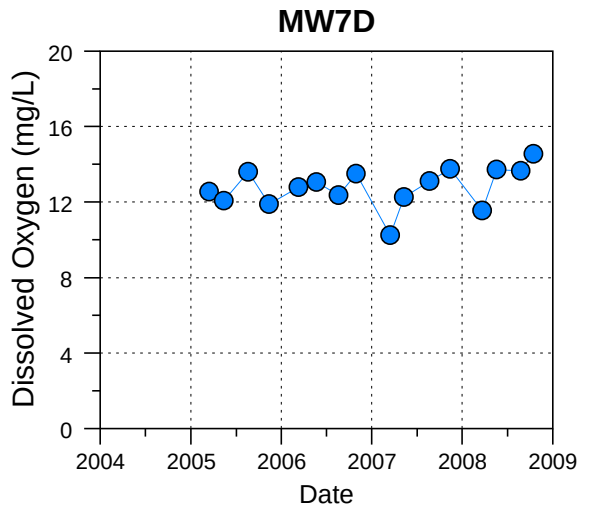
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

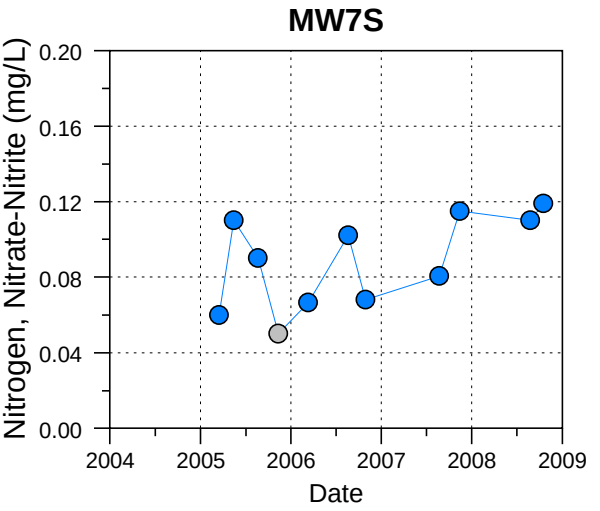
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

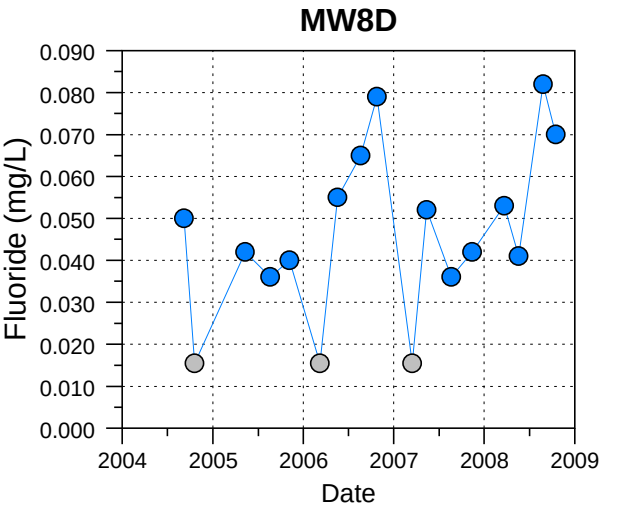












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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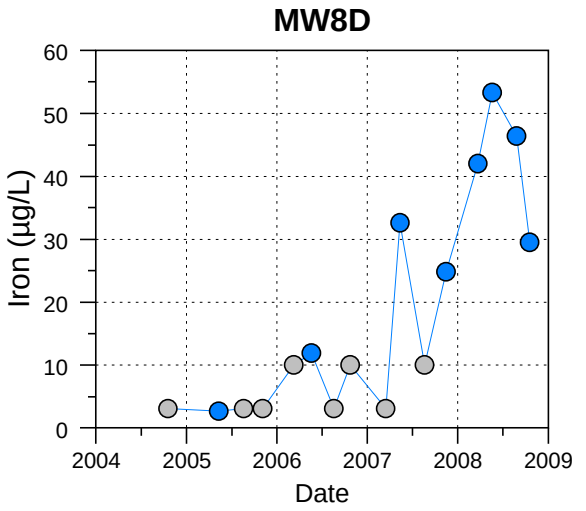
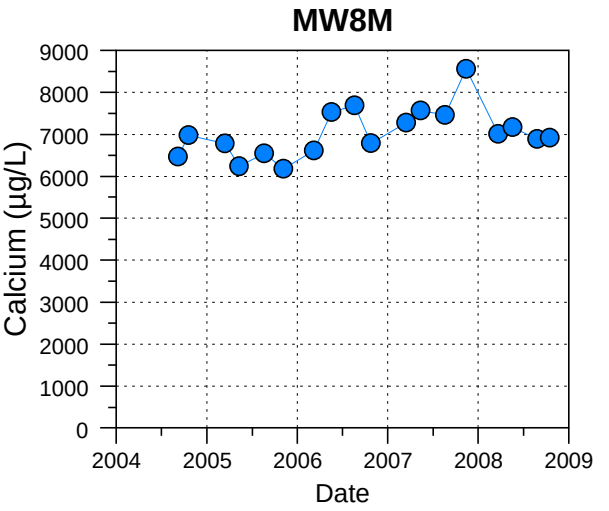
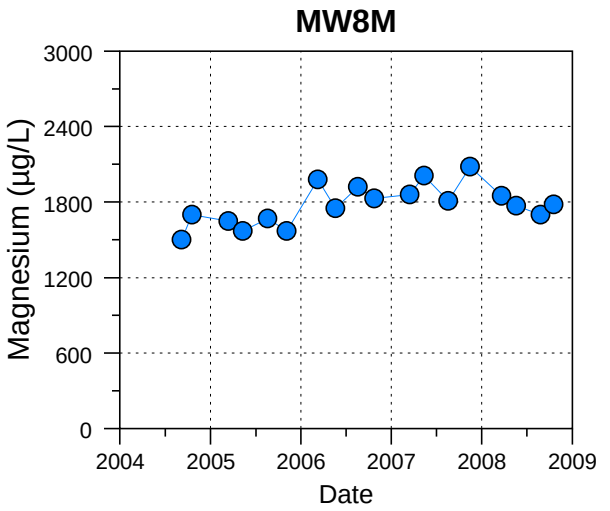
THE pebble PARTNERSHIP

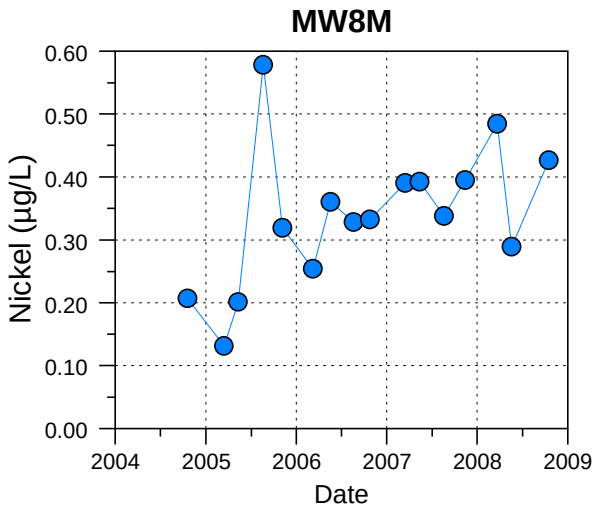
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

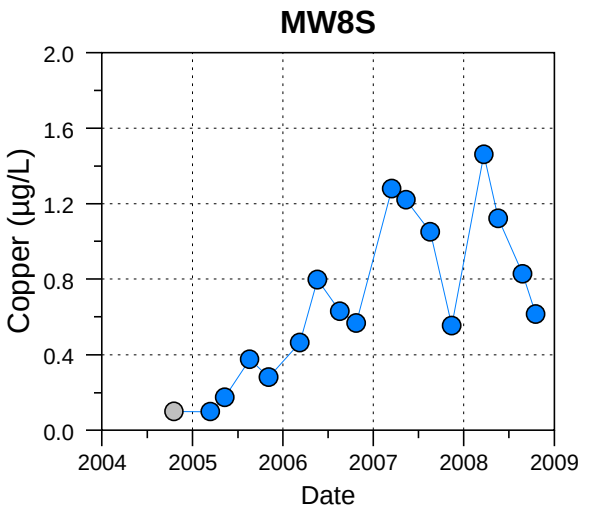
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

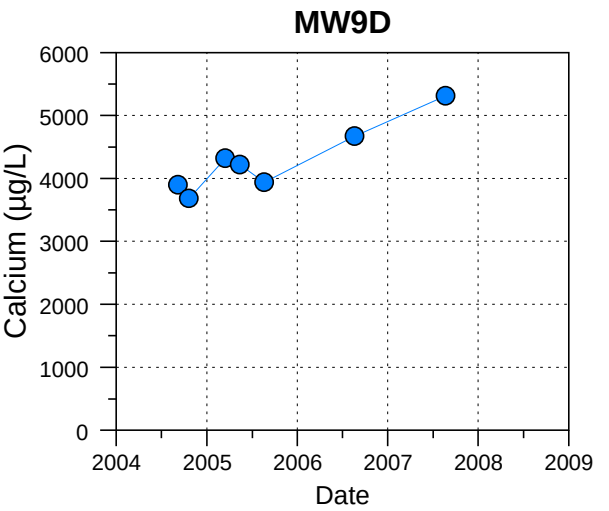












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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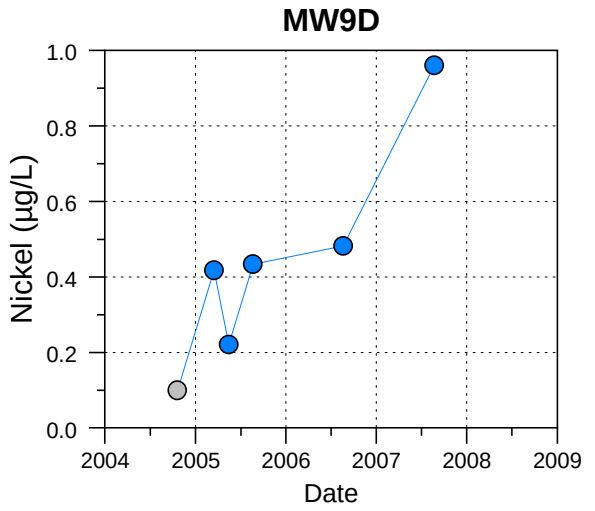
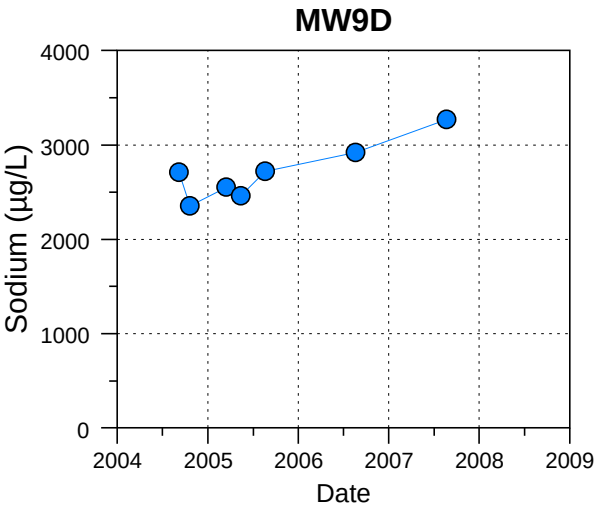
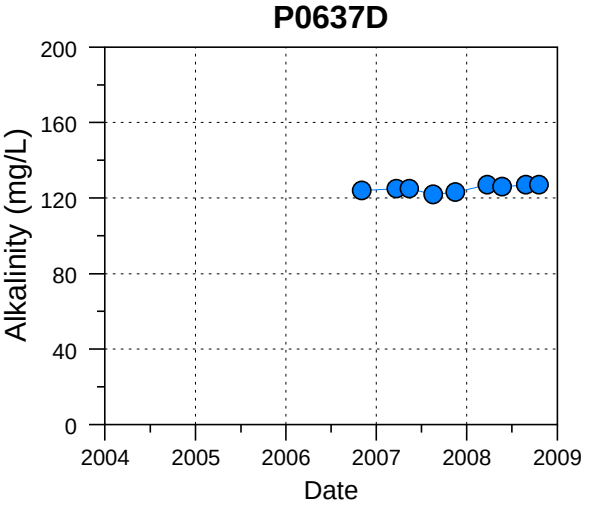
THE pebble PARTNERSHIP

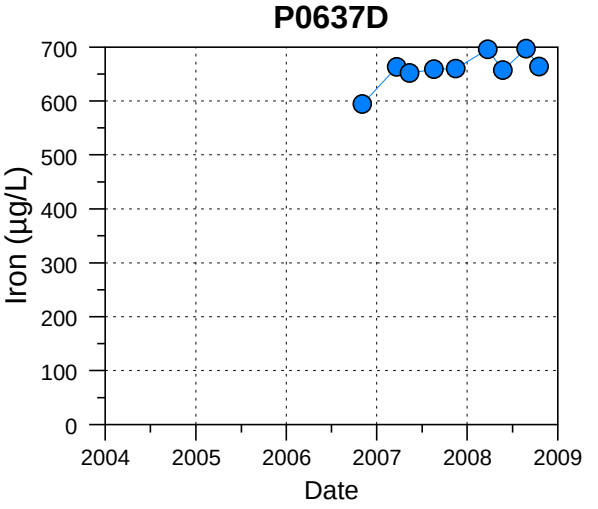
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

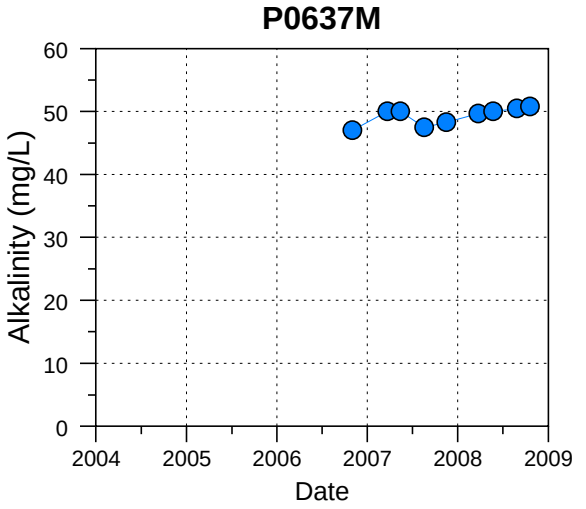
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

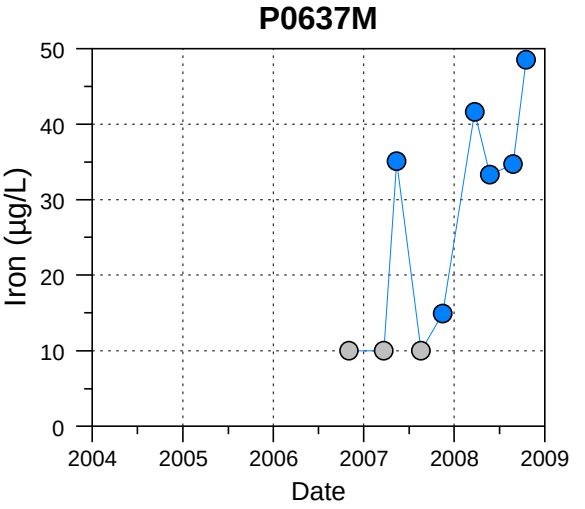












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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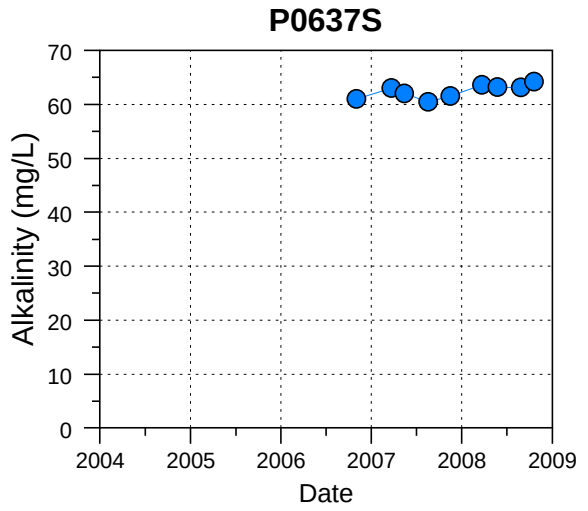
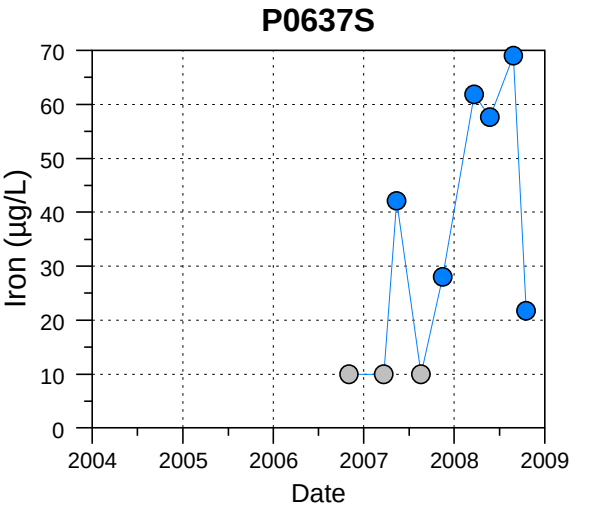
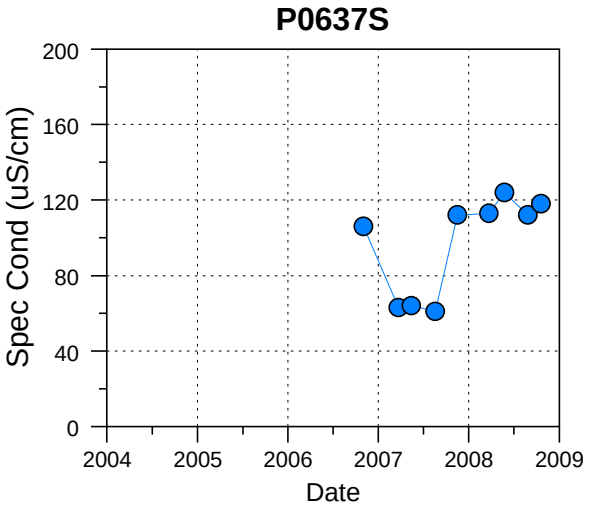
THE pebble PARTNERSHIP

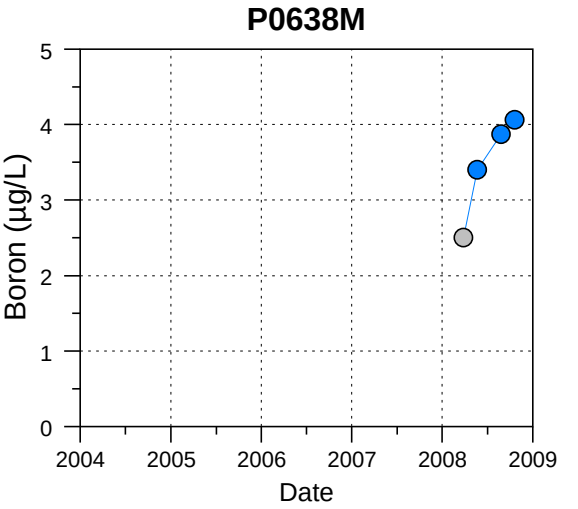
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

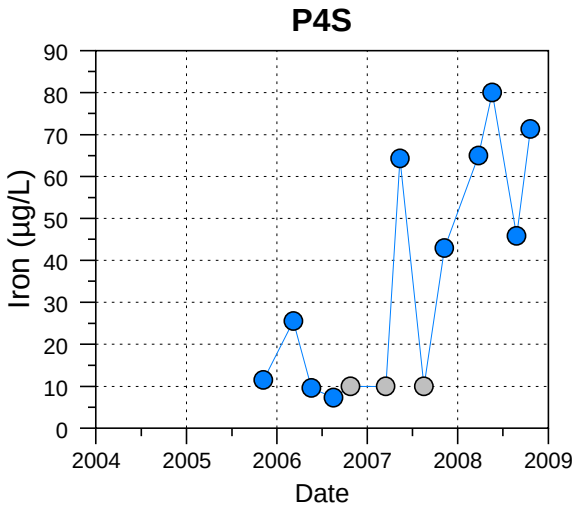
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

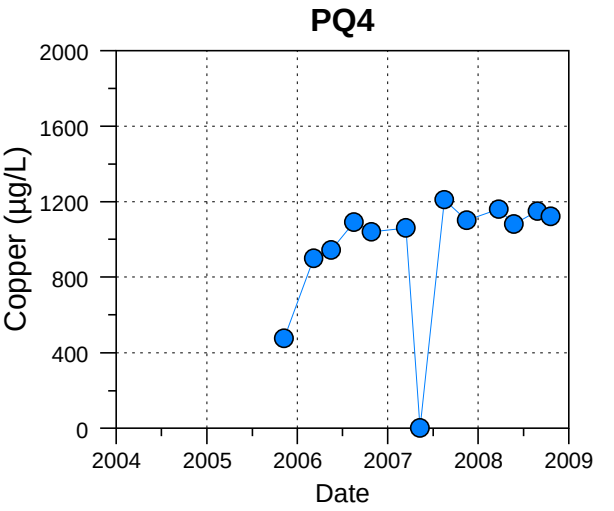












Legend

Analytical Result

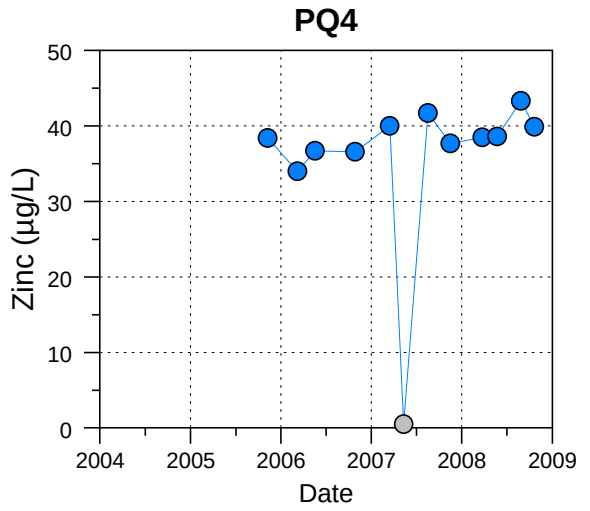
Not Detected

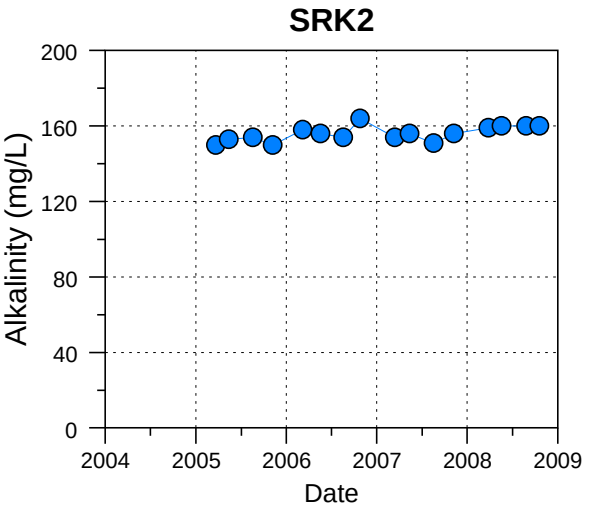
Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
S: shallow
M: medium or intermediate
D: deep.
3. mg/L= milligrams per liter
ug/L = micrograms per liter
uS/L = microsiemens per liter

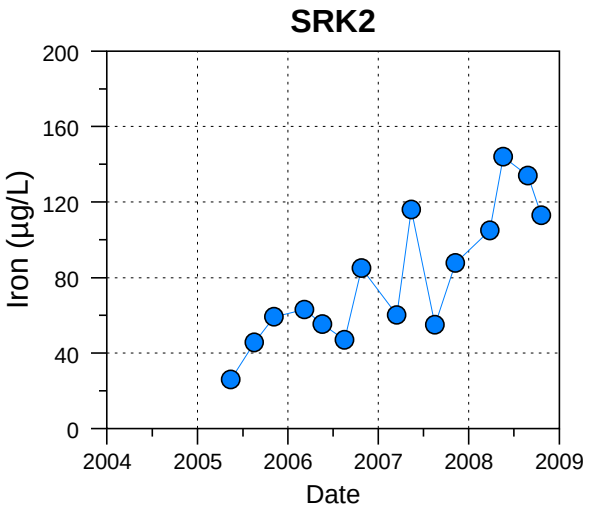
THE pebble PARTNERSHIP

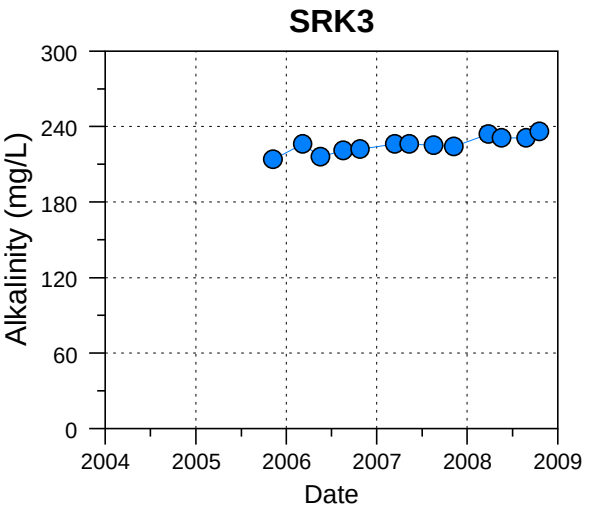
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

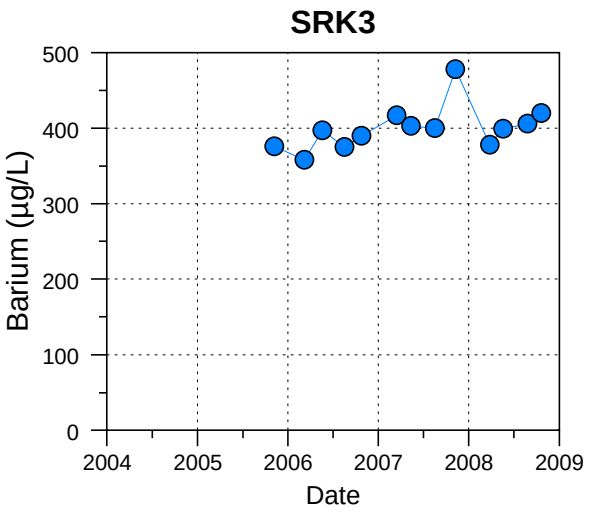
File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

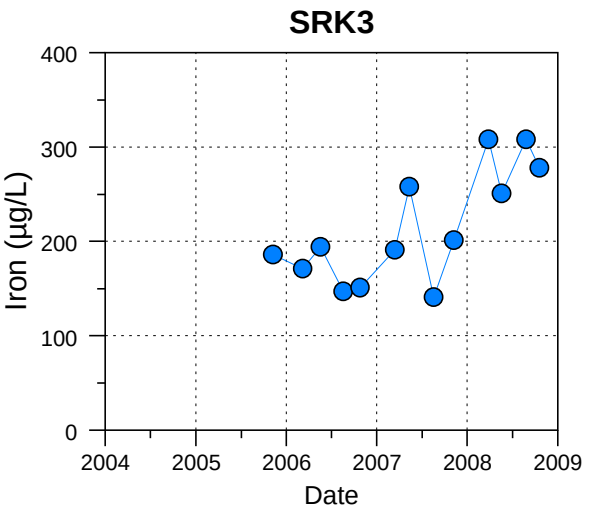












Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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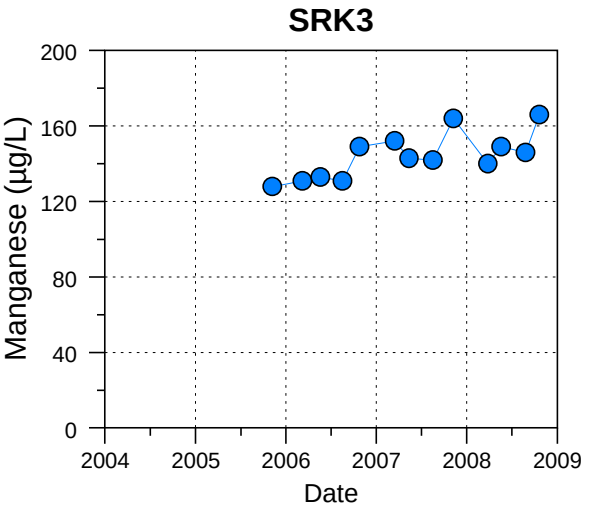
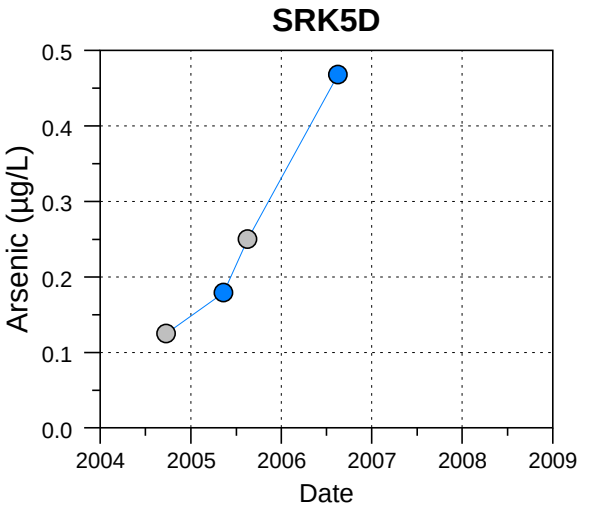
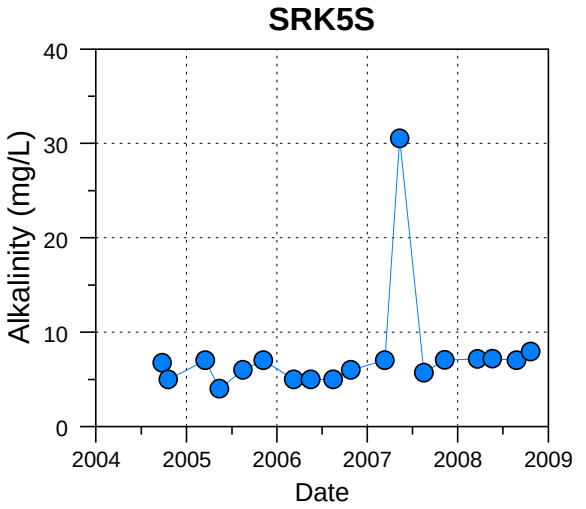
THE pebble PARTNERSHIP

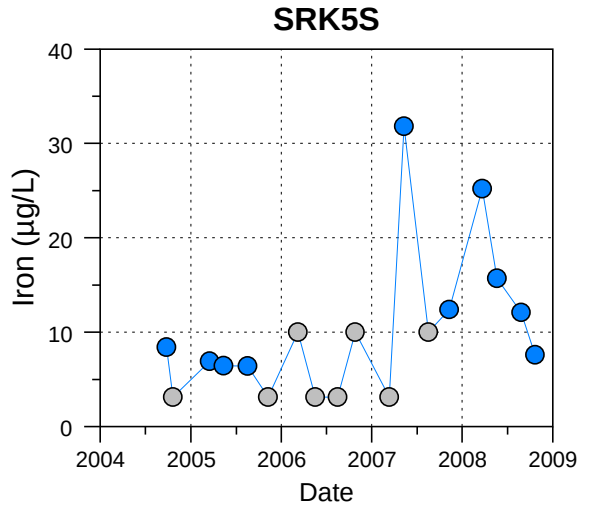
Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca









Legend

Analytical Result

Not Detected

Notes:
1. MW7: example of a monitoring well station label
2. The S, M and D suffix in the station label indicates the relative depth of the installation.
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THE pebble PARTNERSHIP

Appendix 9.2I
Trend Analysis
for Individual Monitoring Wells
Parameters with Increasing Trend

File: 7126	Date: Jul 07, 2011
Version: 1	Author: SWS-ca

9.3. Surface Water—Transportation Corridor

9.3.1. Introduction

This section presents the findings of the 2004 and 2005 surface water quality study within the transportation-corridor, Bristol Bay drainages for the Pebble Project. This study was conducted by Bristol Environmental & Engineering Services Corporation (BEESC).

Water samples were collected and analyzed for major ions and alkalinity, nutrients, total and dissolved trace elements, and cyanide. Select samples were also analyzed for organic compounds.

9.3.2. Study Objectives

The objectives of the surface water quality study include the following:

- Collect baseline data to provide scientific documentation of the concentrations and variability of naturally occurring constituents in the surface water of freshwater streams within the transportation-corridor, Bristol Bay drainages study area.
- Provide a database of water chemistry for the transportation-corridor, Bristol Bay drainages study area.

9.3.3. Study Area

The transportation-corridor, Bristol Bay drainages study area consisted of a 2,000-foot (600-meter) wide survey corridor encompassing a representative road alignment between the Newhalen River and the hydrologic divide between the Bristol Bay and Cook Inlet drainages (Figure 9.3-1).

9.3.4. Scope of Work

Field studies were conducted according to the approach described in Chapter 6 of the consolidated study program for Pebble Project (a copy of which is provided in Appendix E of this environmental baseline document [EBD]). In 2004 and 2005, up to 16 water quality sampling stations were established on representative stream crossings along the portion of the transportation corridor within the Bristol Bay drainage (Figure 9.3-1). The 16 water quality sample station locations are listed in Table 9.3-1, along with land ownership and months sampled. Initially 11 stations were established and a few more added during 2004 for better spatial coverage along the transportation corridor. In 2004 up to 15 stations were sampled monthly from July to October 2004, and during the winter months of February and March 2005. Seven stations were chosen for sampling in May 2005 that would continue to provide the program with spatially representative stream locations along the transportation corridor. Two additional stations were added in July 2005, resulting in nine stations that were sampled monthly from May to October 2005.

9.3.5. Methods

9.3.5.1. Site Selection

Freshwater streams along the transportation corridor that are listed in the *Catalog of Waters Important for Spawning, Rearing, or Migration of Anadromous Fishes – Southwestern Region* (Johnson and Weiss,

2006) were selected for sampling in coordination with locations chosen for fish studies and with monitoring stations used for the hydrology study. Station GS-4B was added in September 2004 after HDR Alaska, Inc., identified it as a trout-bearing stream during the course of fish studies conducted for the Pebble Project.

9.3.5.2. Sampling Procedures

Field sampling was conducted in accordance with Chapter 6 of the consolidated study program for Pebble Project (Appendix E) and the field sampling plan (Appendix F). Quality Assurance/Quality Control (QA/QC) protocols followed procedures outlined in Quality Assurance Project Plan in Appendix G. The consultant coordinated closely with the water quality sampling consultants for the mine site to ensure that the procedures followed in the two study areas were consistent. Photographs of field personnel conducting surface water sampling are included in the photographs sections attached to this chapter.

9.3.5.3. Data Analysis

Analytical and field parameter data for 2004 and 2005 sampling events are summarized in tables and in graphs included in the appendices to this chapter. Analytical, select field measurement, QA/QC, and outliers analysis data for all of the surface water samples are presented in Appendix 9.3A. Field parameter data and hydrographs for individual surface water sampling locations are presented graphically in Appendix 9.3B. Graphs of total and dissolved major ions for the surface water samples at individual sampling locations are presented in Appendix 9.3C. Piper diagrams of the major ion composition of the eastern sample stations and the major ion composition of the western sample stations are presented in Appendix 9.3D. Select trace elements at individual sampling locations are presented graphically in Appendix 9.3E. Analytical results for all organic constituent samples are presented in Appendix 9.3F. Box and whisker plots of individual parameter concentrations for the eastern sample group compared to the western sample group are presented in Appendix 9.3G.

Only primary sample data were used for analyses in this EBD. Duplicate and triplicate sample data were only used for evaluation of precision. Only sample locations from which analytical data were collected were included in the evaluation.

The data were treated as two separate datasets based on geology, the western group of stations and the eastern group of stations as described in Section 9.3.6. General statistics were compiled for each dataset, including the following:

- Minimum and maximum detected concentrations.
- Sample-specific minimum and maximum method detection limits (MDLs) and method reporting limits (MRLs).
- Number of results detected.
- Number of samples analyzed.
- Frequency of detection.
- Arithmetic mean and median concentrations.
- Standard deviations and coefficients of variation.

Non-detect results were included for statistical summaries as one-half the MDL, and non-detect results that were qualified as estimated were included as one-half the MRL. For all other statistical analyses, only detected concentrations were included to avoid skewing the datasets based on multiple non-detect values. Statistical summary tables for the Eastern Sample Stations and the Western Sample Stations are provided in Tables 9.3-2 through 9.3-13.

Analytical data listed in Appendix 9.3A1 highlight values that are undetected, results that exceed the Alaska Department of Environmental Conservation (ADEC) water quality criteria, and results reported by the laboratory as being below the MRL, which is also referred to in the appendices as the practical quantitation limit (PQL). Only validated data were used in the summary tables and graphs. See Appendix A, Analytical Data QA/QC, of this EBD for a data quality assessment.

At the time of sample collection, the following field parameters were measured and recorded:

- Dissolved oxygen.
- pH.
- Specific conductivity.
- Turbidity.
- Water temperature.
- Oxidation Reduction Potential (ORP).
- Stream discharge (flow).

In addition, analysis for petroleum hydrocarbons (gasoline range organics, diesel range organics, and residual range organics), volatile organic compounds, semivolatile organic compounds, and pesticides were performed on three samples collected in October 2004. None of the compounds in these analytical suites were detected at concentrations above MRLs, so they were excluded from further evaluation. The analytical results are summarized in Appendix 9.3F.

9.3.6. Results and Discussion

This section discusses and summarizes the field parameters and qualified laboratory analytical results from surface water samples collected in July 2004 through October 2005 along the transportation-corridor, Bristol Bay drainages study area. For the purposes of this discussion, the surface water sample stations along the transportation corridor, Bristol Bay drainages study area have been divided into a western and eastern group on the basis of geology. The rationale for dividing the stations in this manner was the potential impact of geology on surface water chemistry. The western group of stations (GS-11A, GS-12A, GS-14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and NHRIV) are located within an area where the bedrock is typically overlain by Quaternary cover. The bedrock includes mafic to felsic Tertiary volcanic rocks, Tertiary and Cretaceous felsic intrusions, and Mesozoic sedimentary and volcanic rocks (Detterman and Reed, 1980). The eastern group of stations (GS-23, GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, and GS-8A) are located within an area where bedrock is typically exposed at the surface and is dominated by large felsic Mesozoic intrusions. The western group includes all nine stations west of Knutson Bay, while the eastern group includes all seven stations east of Knutson Bay that are within the Bristol Bay drainages.

Appendix 9.3A contains the QA/QC evaluation control plots showing outliers at individual water sampling locations (Appendix 9.3A2), and the laboratory results summary (Appendix 9.3A1).

For most parameters, the relevant regulated water quality criteria are established by ADEC as chronic aquatic life criteria (CALC) for fresh water or as drinking water standards (DWS). Comparisons with the most stringent water quality criteria are provided for some parameters. Some CALC criteria are hardness dependent (cadmium, copper, chromium, lead, nickel and zinc); these criteria are preliminary estimates.

9.3.6.1. Field and Physical Parameters

Total Dissolved Solids

Analysis of water samples from the surface water stations indicated that dissolved solids concentrations were generally low throughout the study area. Total dissolved solids (TDS) for the western group of stations had a mean of 43 milligrams per liter (mg/L) and ranged from 10 to 126 mg/L, while the TDS for the eastern group had a mean of 26 mg/L and ranged from 1.55 to 110 mg/L (Appendix 9.3A1). All TDS results were well below the most stringent water quality maximum criterion (ADEC DWS of 500 mg/L). Low concentrations of dissolved solids such as these are representative of basins containing thin soils and rocks that are not easily dissolved or water that has had only brief contact time with more easily dissolved rocks.

pH

The western group of stations had field pH readings that ranged from 4.58 to 8.83, while the eastern group had field pH readings from 4.69 to 8.59 (Appendix 9.3B).

Dissolved Oxygen

Dissolved oxygen concentrations for the western group of stations had a mean of 13 mg/L and ranged from 9.13 to 19 mg/L, concentrations for the eastern stations also had a mean of13 mg/L and ranged from 9.57 to 18 mg/L (Appendix 9.3B). Dissolved oxygen concentrations varied seasonally; the highest concentrations for both groups of stations were measured in February (when they had a mean of 16 mg/L), and the lowest concentrations were measured in August (when they had a mean of 12 mg/L).

Water Temperature

No surface water samples were collected and no water temperatures were recorded during the months of November, December, or January. The coldest water temperatures recorded for both groups of stations were during the months of February and April, when stream temperatures had a mean of 1 degree Celsius (°C) and ranged from 0.08 to 3.31°C (Appendix 9.3B). The warmest water temperatures recorded were during the months of July and August, when stream temperatures had a mean of 13°C and ranged from 6.13°C to 22.70°C.

Specific Conductance

Field-specific conductance values ranged from 20 to 780 micromhos per centimeter (µmhos/cm) for the western group of stations, and from 10 to 210 µmhos/cm for the eastern group (Appendix 9.3B). Generally, specific conductance values for streams along the Bristol Bay study area vary inversely with discharge; sampling events with the highest discharge values are characterized by low specific conductance values relative to sampling events with the lowest discharge values. This may reflect a

higher relative contribution of groundwater with high specific conductance during periods of low stream discharge.

Total Suspended Solids

Values for total suspended solids ranged from 0.2 to 51.6 mg/L for the western group of stations and from 0.2 to 34.8 mg/L for the eastern group (Appendix 9.3A1).

ORP

The western group of stations had field ORP readings that ranged from -33.3 to 369 millivolts (mV), and the eastern group had field ORP readings from 72.5 to 364.1 mV (Appendix 9.3B).

Summary of Field and Physical Parameters

In summary, the western portion of the study area can be generalized as having higher TDS and specific conductance than the eastern portion of the study area, although TDS was well below the most stringent water quality maximum criterion. All other physical parameters measured appeared to be similar in all streams tested.

9.3.6.2. Major Ions

Major ions concentrations, in both total and dissolved analyses where applicable (Ca, Mg, Na, K), are shown graphically for individual sampling locations in Appendix 9.3C.

Calcium

Calcium is the dominant cation reported in water quality samples collected throughout the study area. Total calcium concentrations for the western group stations had a mean of 7.1 mg/L and ranged from 2.3 to 14 mg/L, while total calcium concentrations for the eastern group had a mean of 3.3mg/L and ranged from 1.0 to 9.2 mg/L. Dissolved calcium concentrations for the western group stations had a mean of 7.0 mg/L and ranged from 2.3 to 12.9 mg/L, while dissolved calcium for the eastern group had a mean of 3.3 mg/L and ranged from 1.0 to 9.8 mg/L (Appendix 9.3A1). No criterion exists for total or dissolved Calcium.

Magnesium

Total magnesium concentrations for the western group of stations had a mean of 0.879 mg/L and ranged from 0.181 to 1.34 mg/L, and total magnesium concentrations for the eastern group had a mean of 0.301 mg/L and ranged from 0.10 to 0.648 mg/L. Dissolved magnesium concentrations for the western group had a mean of 0.859 mg/L and ranged from 0.180 to 1.27 mg/L and dissolved magnesium concentrations for the eastern group had a mean of 0.274 mg/L and ranged from 0.097 to 0. 599 mg/L (Appendix 9.3A1). No criterion exists for total or dissolved Magnesium.

Sodium

Total sodium concentrations for the western group of stations had a mean of 2.0 mg/L and ranged from 1.0 to 4.1 mg/L, while total sodium concentrations for the eastern group had a mean of 1.2 mg/L and ranged from 0.77 to 2.7 mg/L. Dissolved sodium concentrations for the western group had a mean of 1.95 mg/L and ranged from 1.0 to 3.9 mg/L while dissolved sodium concentrations for the eastern group had a

mean of 1.2 mg/L and ranged from 0.62 to 2.4 mg/L (Appendix 9.3A1). No criterion exists for total or dissolved Sodium.

Potassium

Both the total and dissolved potassium concentrations were low at all the sites along the transportation corridor. Total potassium concentrations for the western group had a mean of 0.31 mg/L and ranged from 0.11 to 0.86 while the total potassium concentrations for the eastern group had a mean of 0.25 mg/L and ranged from 0.10 to 0.51 mg/L. Dissolved potassium concentrations for the western group had a mean of 0.31 mg/L and ranged from 0.11 to 0.86 mg/L while dissolved potassium concentrations for the eastern group had a mean of 0.24 mg/L and ranged from 0.10 to 0.46 mg/L (Appendix 9.3A1). No criterion exists for total or dissolved Potassium.

Alkalinity

The alkalinity concentrations for the western group of stations had a mean of 19.33 mg/L and ranged from 1.55 to 33 mg/L, while the concentrations for the eastern group had a mean of 8.62 mg/L and ranged from 1.55 to 26 mg/L (Appendix 9.3A1). These alkalinity concentrations indicate that the water has a low buffering capacity and limited availability of inorganic carbon.

Generally, alkalinity concentrations for streams along the transportation corridor varied inversely with discharge; sampling events with the highest discharge values were characterized by low alkalinity concentrations relative to sampling events with the lowest discharge values.

The most stringent criterion for alkalinity is a minimum requirement of 20 mg/L (ADEC CALC). Fifteen of the 16 surface water sample stations along the road corridor were found to have alkalinity concentrations less than 20 mg/L on at least one sampling event. The eastern group of stations all had alkalinity below 20 mg/L during each sampling event, with the exception of GS-6A during September and October 2004 (20.8 and 20.0 mg/L respectively). For the western group, 41 percent of their alkalinity results were below 20 mg/L.

Sulfate

Sulfate concentrations for the western group of stations had a mean of 6 mg/L and ranged from 0.91 to 59.10 mg/L, while concentrations of the eastern group had a mean of 6 mg/L and ranged from 0.53 to 33.90 mg/L (Appendix 9.3A1). The water quality criterion for sulfate is 250 mg/L

Chloride

Chloride concentrations for the western group of stations had a mean of 1 mg/L and ranged from 0.42 to 2.33 mg/L, while concentrations of the eastern group also had a mean of 1 mg/L and ranged from 0.31 to 1.7 mg/L (Appendix 9.3A1). The most stringent criterion for alkalinity is a minimum requirement of 230 mg/L (ADEC CALC).

Fluoride

Fluoride concentrations for the western group of stations were below the MRL for nearly all results. Concentrations that were above the MRL ranged from 0.10 to 0.12 mg/L (Appendix 9.3A1). Fluoride concentrations for the eastern group were below the MRL in all instances. The water quality criterion for fluoride is 4.0 mg/L

Hardness

Hardness concentrations for the western group of stations had a mean of 21 mg/L and ranged from 6.59 and 40.30 mg/L, while concentrations for the eastern group had a mean of 12 mg/L and ranged from 2.98 to 25.60 mg/L (Appendix 9.3A1). Hardness concentrations varied with alkalinity concentrations; the highest alkalinity concentrations for a given station correspond with the highest hardness values for that station. No criterion exists for hardness.

Summary of Major Ions

In general, total and dissolved calcium, magnesium, sodium, and potassium concentrations were at their lowest values immediately following periods of high discharge (breakup and fall precipitation events) and at their highest during periods of low discharge (winter and summer months). Monthly patterns may be difficult to correlate across the entire study area due to climatic variation (differences in the timing and intensity of precipitation events) in the study area.

Concentrations of the major ions at individual sampling locations were converted to milliequivalents per liter and plotted on piper diagrams (Appendix 9.3D). The total proportions of the major cations (calcium, magnesium, sodium, and potassium) were plotted on one triangle of the piper diagram, the major anions (alkalinity as bicarbonate, chloride, and sulfate) were plotted on another triangle of the diagram, and the information from these two triangles was plotted on a third triangle. A piper diagram displays water chemistry data and indicates the overall composition of major ions in the water. Based on the samples collected for this study, both the eastern and western groups of streams along the study area would be classified as calcium bicarbonate water.

9.3.6.3. Nutrients

Total Ammonia

The majority of all total ammonia (as N) results were below the MRL (Appendix 9.3A1). Those results that were above the MRL were all less than 0.5 mg/L, and thus well below the most stringent maximum water quality criterion (CALC).

Nitrate and Nitrite

Total nitrate+nitrite (as N) concentrations for the western group of stations had a mean of 1 mg/L and ranged from undetected to 8.09 mg/L, concentrations for the eastern group also had a mean of 1 mg/L and ranged from undetected to 26.4 mg/L (Appendix 9.3A1). The MDL for total nitrate+nitrite (as N) is approximately 0.3 mg/L. Only one result was found to be above the most stringent maximum water quality criterion (DWS of 10 mg/L). This was a concentration of 26.4 mg/L reported for station GS-3A in February 2005.

Phosphorus

The majority of the total phosphorus results for both groups of stations were reported as below the MRL (Appendix 9.3A1). When above the MRL, total phosphorous concentrations had a mean of 0.07 mg/L and ranged up to 0.65 mg/L.

Summary of Nutrients

In summary, total nitrate+nitrite was generally higher in the eastern group of stations than in the western group of stations. All but one sample from the eastern group was below the most stringent water quality maximum criterion. Average concentrations of the other nutrients were similar in all streams and were all below the most stringent water quality maximum criteria.

9.3.6.4. Total and Dissolved Trace Elements

The trace elements that are discussed in this section include aluminum, barium, iron, copper, zinc, lead, cadmium, arsenic, nickel, molybdenum, manganese, and low-level mercury. These elements were present predominately in the particulate fraction (total metal concentrations were much greater than the dissolved concentrations) for all stations. Total and dissolved trace element concentrations are shown graphically for individual sampling locations in Appendix 9.3E. Samples were analyzed for other trace elements (e.g., beryllium, bismuth, boron, selenium, silver, thallium, and tin), as presented in Appendix A2 of this EBD, but a majority of the results were undetected or were reported by the laboratory as below the reporting limit.

Aluminum

Total aluminum concentrations were naturally elevated at most of the stations during periods of high discharge, spring breakup, or after fall precipitation events. Eleven of the sixteen stations along the transportation corridor study area had their highest total aluminum concentrations during September 2004 or 2005. Total aluminum concentrations for the western group of stations had a mean of 95 µg/L and ranged from 4.86 to 925 µg/L, while the concentrations for the eastern group had a mean of 153 µg/L and ranged from 7.35 to 1,360 µg/L. Dissolved aluminum concentrations for the western group had a mean of 15 µg/L and ranged from 1 to 57 µg/L while dissolved aluminum concentrations for the eastern group had a mean of 13 µg/L and ranged from 3.5 to 58 µg/L.

Total aluminum concentrations were frequently above the most stringent maximum water quality criterion (ADEC CALC of 87 µg/L) during high discharge events. Two stations were above the ADEC CALC for total aluminum for most of the year: GS-4A from the eastern sampling group and NHRIV from the western sampling group on 75 percent and 58 percent of sampling events respectively.

Barium

Total barium concentrations for the western group of stations had a mean of 4.91 µg/L and ranged from 1.26 to 13.5 µg/L, while dissolved concentrations had a mean of 4.19 µg/L and ranged from 1.28 to 11.0 µg/L (Appendix 9.3A1). Total barium concentrations for the eastern group of stations had a mean of 8.14 µg/L and ranged from 0.62 to 21.3 µg/L, while dissolved concentrations had a mean of 6.62 µg/L and ranged from 0.60 to 15.1 µg/L (Appendix 9.3A1). The water quality criterion for barium is 2,000 µg/L.

Iron

Total iron concentrations for the western group of stations had a mean of 208 µg/L and ranged from 4 to 2,110 µg/L, while dissolved concentrations had a mean of 55.4 µg/L and ranged from undetected to 215µg/L. Total iron concentrations for the eastern group had a mean of 108 µg/L and ranged from non-detect to 826 µg/L (Appendix 9.3A1), while dissolved concentrations had a mean of 24.7 µg/L and ranged from non-detect to 123 µg/L.

Total iron concentrations were naturally elevated above the most stringent maximum water quality criterion (ADEC CALC of 1,000 µg/L) at the western sampling locations GS-14A, in September 2004, and at GS-14B, in September 2005 (Appendix 9.3A1). All other results from the study area were below 1,000 µg/L.

Copper

The highest total and dissolved copper concentrations typically occurred during or immediately following the periods of highest discharge, either during spring breakup or fall precipitation events.

Copper concentrations were relatively low in the western group of stations compared to the eastern group. Total copper concentrations for the western group of stations had a mean of 1 µg/L and ranged from 0.19 to 2.07 µg/L. Dissolved copper concentrations for the western group of stations had a mean of 0.4 µg/L and ranged from 0.11 to 1.36 µg/L (Appendix 9.3A1). Total copper concentrations for the eastern group had a mean of 4 µg/L and ranged from undetected to 34.6 µg/L. Dissolved copper concentrations for the eastern group of stations had a mean of 2.7 and ranged from 0.20 to 26 µg/L.

The most stringent maximum water quality criterion (ADEC CALC) for copper is dependent upon the hardness concentration of each individual stream. The CALC for total copper for streams along the transportation corridor study area, based on hardness data collected during this study, ranged from 0.48 to 3.33 µg/L. The CALC for dissolved copper ranged from 0.46 to 3.19 µg/L. Only one station from the western group was above the CALC for copper: GS-11A for total copper in October 2004. Five of the seven eastern stations were above the CALC for total copper, including GS-3A on 55 percent of sampling events, and GS-4A on 100 percent of sampling events. Three of the eastern stations were above the CALC for dissolved copper, including GS-3A on 45 percent of sampling events and GS-4A on 92 percent of sampling events.

Zinc

Total and dissolved zinc concentrations at stations along the study area were not readily correlated with discharge; however, a moderate increase in concentration was common during the fall precipitation period of high discharge. Total zinc concentrations for the western group of stations had a mean of 3 µg/L and ranged from undetected to 14.3 µg/L. Dissolved zinc concentrations for the western group of stations ranged from undetected to 13 µg/L. Concentrations for the eastern group had a mean of 4 µg/L and ranged from undetected to 18.5 µg/L for total zinc and ranged from undetected to 17 µg/L for dissolved zinc (Appendix 9.3A1).

The most stringent maximum water quality criterion (ADEC CALC) for zinc is dependent upon the hardness concentration of each individual stream. The CALC for total zinc for streams along the study area, based on hardness data collected during this study, ranged from 6.2 to 43.1 µg/L. The CALC for dissolved zinc ranged from 6.18 to 42.47 µg/L. Samples with concentrations above the total zinc CALC were collected at stations in the eastern group. Two of these stations (GS-8A and GS-4A) were only above the CALC on one of 12 sampling events, while the other (GS-23) was above the CALC on two of four sampling events. No samples with concentrations above the total zinc CALC were collected in the western group.

Lead

Total and dissolved lead concentrations at stations along the study area were not readily correlated with discharge; naturally elevated values are reported both during the high discharge, fall precipitation events as well as during the low discharge, winter sampling events. Over 50 percent of the lead results are undetected. Total lead for streams along the study area, based on hardness data collected during this study, ranged from 0.011 to 1.20 µg/L, and dissolved lead ranged from undetected to 0.35 µg/L (Appendix 9.3A1).

Total lead concentrations for the western group of stations had a mean of 0.128 µg/L and ranged from undetected to 1.06 µg/L, while dissolved concentrations had a mean of 0.125 µg/L and ranged from undetected to 0.35 µg/L (Appendix 9.3A1). Total lead concentrations for the eastern group of stations had a mean of 0.145 µg/L and ranged from undetected to 1.2 µg/L, while dissolved concentrations had a mean of 0.13 µg/L and ranged from undetected to 0.4 µg/L (Appendix 9.3A1).

The most stringent maximum water quality criterion (ADEC CALC) for lead is dependent upon the hardness concentration of each individual stream. The CALC for total lead for streams along the study area, based on hardness data collected during this study, ranged from 0.038 to 0.684 µg/L. The CALC for dissolved lead ranged from 0.049 to 0.662 µg/L. Most stations had results that were above the ADEC CALC for lead. Concentrations above the CALC were typically measured in either fall or winter months (Appendix 9.3A1).

Cadmium

Total cadmium for streams along the study area, based on hardness data collected during this study, ranged from 0.003 to 2.19 µg/L (Appendix 9.3A1). Total cadmium concentrations were undetected for the majority of sampling events at all stations along the study area. Total and dissolved cadmium concentrations at stations along the area are not readily correlated with discharge; the isolated sampling events when total cadmium concentrations were above the MRL occurred at various times of the year.

Total cadmium concentrations for the western group of stations had a mean of 0.042 µg/L and ranged from undetected to 2.19 µg/L, while dissolved concentrations had a mean of 0.02 µg/L and ranged from undetected to 0.06 µg/L. Total cadmium concentrations for the eastern group of stations had a mean of 0.02 µg/L and ranged from undetected to 0.07 µg/L, while dissolved concentrations had a mean of 0.02 µg/L and ranged from undetected to 0.075 µg/L (Appendix 9.3A1).

The most stringent maximum water quality criterion (ADEC CALC) for cadmium is dependent upon the hardness concentration of each individual stream. Total cadmium concentrations for six samples were above the water quality criteria for cadmium, five from the western group and one from the eastern group. Dissolved cadmium concentrations for three samples were above the water quality criteria for cadmium.in sample location GS4A.

Arsenic

The majority of surface water sample locations along the study area contained arsenic at concentrations below the MRL for the majority of sample events (Appendix 9.3A1) for both total and dissolved arsenic. Those stations that did regularly have arsenic at concentrations above the MRL never had arsenic above the most stringent maximum water quality criterion (ADEC DWS 10 µg/L). Only at one station on one occasion was total arsenic found to exceed the DWS: station GS-8A in February 2005. This result (21.1

µg/L) is anomalous; all other arsenic concentrations for GS-8A are either undetected or below the MRL for total and dissolved concentrations. The anomalous value may represent contamination or a laboratory error.

Nickel

Total nickel for streams along the transportation corridor study area ranged from 0.020 to 21.1 µg/L. Total nickel concentrations for the western group of stations had a mean of 0.29 µg/L and ranged from undetected to 0.63 µg/L, while dissolved concentrations had a mean of 0.35 µg/L and ranged from undetected to 0.56 µg/L. Total nickel concentrations for the eastern group of stations had a mean of 0.021 µg/L and ranged from undetected to 0.06 µg/L, while dissolved concentrations had a mean of 0.028 µg/L and ranged from undetected to 0.052 µg/L (Appendix 9.3A1).

The most stringent maximum water quality criterion (ADEC CALC) for nickel is dependent upon the hardness of the individual stream. The CALC for total nickel for streams along the transportation corridor study area, based on hardness data collected during this study, ranged from 2.73 to 18.73 µg/L. Nickel concentrations for the 16 stations along the study area were all below the CALC.

Molybdenum

Molybdenum concentrations were commonly below the MRL and rarely above 1 µg/L. Total molybdenum concentrations for the western group of stations had a mean of 0.64 µg/L and ranged from undetected to 1.53 µg/L, while dissolved concentrations had a mean of 0.65 µg/L and ranged from undetected to 1.59 µg/L. Total molybdenum concentrations for the eastern group of stations had a mean of 0.37 µg/L and ranged from undetected to 1.0 µg/L, while dissolved concentrations had a mean of 0.41 µg/L and ranged from undetected to 1 µg/L (Appendix 9.3A1).

The ADEC has not established DWS or CALC for molybdenum for fresh water.

Manganese

For several stations in the western sample groups, manganese levels were naturally elevated during September 2004 or 2005 (Appendix 9.3E). These elevated total concentration values occurred during high-discharge, fall precipitation events and were not accompanied by increases in the dissolved concentration. This indicates that the elevated values may be due to increases in the particulate fraction. Total manganese concentrations for the western group of stations had a mean of 12.8 µg/L and ranged from 0.5 to 156 µg/L, while dissolved concentrations had a mean of 5.2 µg/L and ranged from undetected to 33.2 µg/L. Total manganese concentrations for the eastern group of stations had a mean of 11.2 µg/L and ranged from undetected to 54.5 µg/L, while dissolved concentrations had a mean of 0.67 µg/L and ranged from undetected to 31.5 µg/L (Appendix 9.3A1).

The most stringent maximum water quality criterion of manganese (ADEC Human Health) is 50 µg/L. Several stations (GS-14A, GS-14B, GS-20, and GS-4A) were above this criterion during the high flows in September.

Low-Level Mercury

Mercury was undetected for the majority of sampling events for all stations along the transportation corridor study area, and none of the detected concentrations were above the most stringent maximum water quality criterion (ADEC CALC 0.77 µg/L; Appendix 9.3A1).

Summary of Total and Dissolved Trace Elements

In summary, the concentrations of individual trace elements were within the most stringent ADEC water quality criteria in most cases. Exceptions include aluminum, copper, lead, and zinc, which were above maximum criteria in a handful of cases. Typically, samples with a low field pH had the higher concentrations of metals.

The total metals concentrations generally increase with discharge because metal-bearing particles are often mobilized and carried in suspension by high flows, or are adsorbed onto sediment and transported as the sediment is mobilized by high flow.

9.3.6.5. Cyanide

Total cyanide and weak acid dissociable (WAD) cyanide were analyzed in water quality samples collected at all the sites. The majority of results for total and WAD cyanide are undetected.

The ADEC water quality regulations specify analysis of free cyanide by the WAD cyanide method, and the result is then applied to the free cyanide CALC of 0.0052 mg/L to address the most stringent water quality criterion. Cyanide WAD samples were above the CALC for two sample stations in July 2004: GS-11A and GS-14B. Both results were 0.0077 mg/L. GS-11A and GS-14B contained WAD cyanide at levels below the MRL on all other sampling events. No other samples were above the CALC for cyanide along the study area during the sampling campaign (Appendix 9.3A1).

The cyanide method reporting limit of 0.005 mg/L is nearly the same concentration as the regulatory limit of 0.0052 mg/L, which means the low level results are difficult to reproduce and are subject to false negatives and false positives.

9.3.6.6. Organic Compounds

Three sites (GS-20, GS-17A, and GS-7A) were sampled for organic constituents, including pesticides, volatile compounds, and semivolatile compounds in October 2004. The results for all parameters analyzed were undetected (Appendix 9.3F). A list of the organic constituents is presented in the 2005 Quality Assurance Project Plan (Appendix G of this EBD).

9.3.6.7. Stream Sediment Summary

Sediment samples were collected from 16 sites along the transportation corridor study area within the Bristol Bay drainages. These sample sites correspond with water quality sample sites (Figure 9.3-1). When sediments are flushed from the streambed during high flow, they can contribute to the concentration of trace elements in surface water, which is evident in the study area by the elevated levels of certain metals that were reported in the surface water samples collected at breakup and after fall precipitation events.

Sediment samples were collected in May, July, and September in 2004 and 2005. Chapter 10 of the Environmental Baseline document provides analytical results and further discussion of the stream sediment data.

9.3.7. Summary

In 2004 and 2005, surface water quality samples were collected along the transportation-corridor; Bristol Bay drainages study area for the Pebble Project as part of the environmental baseline study. Sixteen sample locations were established along a representative road alignment segment of this study area. By the end of the sampling program in 2005, the focus of the sampling effort was narrowed to nine representative stream locations.

Surface water samples were analyzed for a set of field parameters, and then samples were sent to an ADEC-approved laboratory for analyses for a suite of inorganic compounds and metals. In addition, the laboratory analyzed three streams for organic compounds on one sampling event (Appendix 9.3F). All field parameters are presented graphically for individual sampling locations in Appendix 9.3B, and all qualified laboratory results are presented in Appendix 9.3A1.

A comparison of the results of the field and laboratory analyses to water quality criteria established by the ADEC (ADEC, 2003a, 2003b) shows that all sample stations had values that were not within the most stringent water quality criteria for at least one parameter on at least one sampling event. This occurred most frequently for alkalinity (below the minimum criterion), and for aluminum, and iron (above the maximum criterion).

9.3.8. References

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TABLES

TABLE 9.3-1
Surface Water Quality Sample Stations – Transportation-corridor Study Area, Bristol Bay Drainages Study Area 2004-2005

Station ID	Location	Land Owner	Sample Dates
Western Group			
NHRIV	Newhalen River	STATE	July, Aug, Sep, Oct 2004; Feb, March, May, June, July, Aug, Sept, Oct 2005
GS-20	Lower Roadhouse Creek	INL	July, Aug, Sep, Oct 2004; Feb, March, July, Aug, Sept, Oct 2005
GS-20A	Upper Roadhouse Creek	INL	July, Aug, Sep, Oct 2004; Feb, March 2005
GS-18A	unnamed creek	INL	July, Aug, Sep, Oct 2004; Feb, March 2005
GS-17A	Tributary of Eagle Bay Creek	INL	July, Aug, Sep, Oct 2004; Feb, March, May, June, July, Aug, Sept, Oct 2005
GS-14A	unnamed creek	INL	July, Aug, Sep, Oct 2004; Feb, March 2005
GS-14B	unnamed creek	PBNC	July, Aug, Sep, Oct 2004; Feb, March, May, June, July, Aug, Sept, Oct 2005
GS-12A	Chekok Creek	STATE	July, Aug, Sep, Oct 2004; Feb March 2005
Eastern Group			
GS-11A	Canyon Creek	STATE	July, Aug, Sep, Oct 2004; Feb, March, May, June, July, Aug, Sept, Oct 2005
GS-8A	Knutson Creek	PBNC	July, Aug, Sep, Oct 2004; Feb, March, May, June, July, Aug, Sept, Oct 2005
GS-7A	unnamed creek	PBNC	Oct 2004; dry in July, Aug, Sep 2004, Feb, March 2005
GS-6A	unnamed creek	PBNC	July, Aug, Sep, Oct 2004; Feb, March 2005
GS-4A	Pile River	PBNC	July, Aug, Sep, Oct 2004; Feb, March, May, June, July, Aug, Sept, Oct 2005
GS-4B	Long Lake creek	PBNC	Sep, Oct 2004; Feb, March 2005
GS-3A	Iliamna River	PBNC	Aug, Sep, Oct 2004; Feb, March, May, June, July, Aug, Sept, Oct 2005
GS-22	Chinkelyes Creek	PBNC	July, Aug, Sept, Oct 2005

Notes:

INL = Iliamna Natives Limited.

PBNC = Pedro Bay Native Council.

Table 9.3-2
Surface Water Data Summary for Naturally Occurring Constituents, Eastern Transporation-corridor Bristol Bay Drainages (2004-2005)

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of MRLs (Min - Max)	Limits (MDL) (Min - Max)	Average [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Metals (mg/L)									
Aluminum (Dissolved)	39 / 49	80%	0.0035 - 0.058	0.0000702 - 0.0078	0.0002 - 0.025	0.0133	0.0060	0.0104	0.78239
Aluminum (Total)	46 / 50	92%	0.00735 - 1.36	0.0000702 - 0.0078	0.0002 - 0.025	0.1527	0.0130	0.294845687	1.930725253
Antimony (Dissolved)	18 / 45	40%	0.0000016 - 0.0001120	0.0000031 - 0.000077	0.00001 - 0.0002	0.000064	0.000009	0.000163	2.530075
Antimony (Total)	19 / 50	38%	0.0000016 - 0.0000630	0.0000702 - 0.0078	0.00001 - 0.0002	0.000129	0.000027	0.000557	4.334237
Arsenic (Dissolved)	8 / 48	17%	0.000006 - 0.007760	0.0000121 - 0.00025	0.00004 - 0.0005	0.000406	0.000125	0.001409	3.467757
Arsenic (Total)	8 / 50	16%	0.000020 - 0.021100	0.0000121 - 0.00025	0.00004 - 0.0005	0.00067	0.000125	0.00308	4.572566
Barium (Dissolved)	0 / 50	0%	0.00060 - 0.01510	0.000036 - 0.000094	0.0001 - 0.0003	0.00662	0.00248	0.00327	0.49484
Barium (Total)	0 / 50	0%	0.00062 - 0.02130	0.000036 - 0.000094	0.0001 - 0.0003	0.00814	0.00266	0.00427	0.52423
Beryllium (Dissolved)	2 / 50	4%	0.0000015 - 0.0000162	0.00000299 - 0.000015	0.00001 - 0.00003	0.0000068	0.0000075	0.0000024	0.3551685
Beryllium (Total)	7 / 50	14%	0.0000015 - 0.0000342	0.00000299 - 0.000015	0.00001 - 0.00003	0.0000084	0.0000075	0.0000062	0.7401039
Bismuth (Dissolved)	1 / 48	2%	0.0000016 - 0.0007500	0.0000031 - 0.0015	0.00001 - 0.005	0.0002718	0.0000016	0.0003623	1.3327418
Bismuth (Total)	2 / 50	4%	0.0000016 - 0.0007500	0.0000031 - 0.0015	0.00001 - 0.005	0.0002726	0.0000016	0.0003617	1.3266152
Boron (Dissolved)	14 / 46	30%	0.00134 - 0.01300	0.000198 - 0.0031	0.0006 - 0.01	0.00405	0.00435	0.00294	0.72614
Boron (Total)	22 / 50	44%	0.00143 - 0.01400	0.000198 - 0.0031	0.0006 - 0.01	0.00427	0.00155	0.00341	0.79738
Cadmium (Dissolved)	9 / 49	18%	0.0000031 - 0.0000754	0.00000619 - 0.000031	0.00002 - 0.0001	0.0000179	0.0000078	0.0000162	0.9053993
Cadmium (Total)	10 / 50	20%	0.0000031 - 0.0000683	0.00000619 - 0.000031	0.00002 - 0.0001	0.0000192	0.0000078	0.0000162	0.8398995
Calcium (Dissolved)	0 / 50	0%	1.020 - 9.760	0.015 - 0.0748	0.05 - 0.234	3.333	1.670	2.199	0.660
Calcium (Total)	0 / 50	0%	1.030 - 9.210	0.015 - 0.0748	0.05 - 0.234	3.294	1.370	2.017	0.612
Chromium (Dissolved)	21 / 50	42%	0.0000310 - 0.0008890	0.000062 0.0001	0.0002 0.0002	0.000179	0.000172	0.000205	1.144516
Chromium (Total)	22 / 50	44%	0.0000310 - 0.0006920	0.000062 - 0.0001	0.0002 - 0.0002	0.000210	0.000129	0.000223	1.059432
Cobalt (Dissolved)	34 / 48	71%	0.0000050 - 0.0005810	0.0000031 - 0.000031	0.00001 - 0.0001	0.0000947	0.0000126	0.0001254	0.3247616
Cobalt (Total)	39 / 50	78%	0.0000050 - 0.0005990	0.0000031 - 0.000031	0.00001 - 0.0001	0.0001288	0.0000144	0.0001720	1.3358467
Copper (Dissolved)	0 / 45	0%	0.000198 - 0.001480	0.0000209 - 0.000062	0.00006 - 0.0002	0.002681	0.001865	0.005166	1.926735
Copper (Total)	49 / 50	98%	0.000114 - 0.034600	0.0000209 - 0.000062	0.00006 - 0.0002	0.004308	0.002637	0.007166	1.663405
Iron (Dissolved)	34 / 50	68%	0.0013 - 0.1230	0.00265 - 0.0062	0.008 - 0.02	0.0247	0.0066	0.0247	0.9989
Iron (Total)	41 / 50	82%	0.0013 - 0.8260	2.65 - 6.2	8 - 20	0.1084	0.0066	0.1604	1.4795
Lead (Dissolved)	19 / 33	58%	0.000016 - 0.000414	0.000031 - 0.0001	0.0001 - 0.0002	0.000131	0.000050	0.000085	0.632197
Lead (Total)	19 / 50	38%	0.000016 - 0.0012	0.022 - 0.1	0.07 - 0.2	0.000145	0.000033	0.000233	1.608108
Magnesium (Dissolved)	0 / 50	0%	0.968 - 0.5990	0.00155 - 0.0062	0.005 - 0.02	0.2742	0.1669	0.1257	0.4582
Magnesium (Total)	0 / 50	0%	0.1000 - 0.6480	1.55 - 6.2	5 - 20	0.3012	0.1725	0.1326	0.4401
Manganese (Dissolved)	46 / 50	92%	0.00010 - 0.03150	0.000013 - 0.0005	0.00004 - 0.001	0.00666	0.00050	0.00889	1.33544
Manganese (Total)	47 / 50	94.0%	0.00025 - 0.05452	0.013 - 0.5	0.04 - 1	0.01124	0.00067	0.01396	1.24283
Mercury (Total)	9 / 50	18%	0.0000001 - 0.0000320	0.00006 - 0.00089	0.01 - 0.05	0.00000084	0.00000088	0.00000081	0.9644952
Molybdenum (Dissolved)	30 / 42	71%	0.000050 - 0.000881	0.0000062 - 0.00031	0.00002 - 0.001	0.000412	0.000324	0.000276	0.671006
Molybdenum (Total)	35 / 50	70%	0.000017 - 0.000997	0.0062 - 0.31	0.02 - 1	0.000375	0.000352	0.000278	0.741864
Nickel (Dissolved)	24 / 28	86%	0.000083 - 0.000521	0.0000298 - 0.000062	0.00009 - 0.0002	0.000286	0.000182	0.000134	0.466796
Nickel (Total)	38 / 50	76%	0.000031 - 0.000678	0.0298 - 0.062	0.09 - 0.2	0.000213	0.000105	0.000154	0.723051

Table 9.3-2
Surface Water Data Summary for Naturally Occurring Constituents, Eastern Transporation-corridor Bristol Bay Drainages (2004-2005)

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of MRLs (Min - Max)	Limits (MDL) (Min - Max)	Average [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Potassium (Dissolved)	0 / 50	0%	0.1000 - 0.4560	0.00142 - 0.0155	0.004 - 0.05	0.2394	0.1295	0.0888	0.3709
Potassium (Total)	0 / 50	0%	0.1030 - 0.5130	0.00142 - 0.027	0.004 - 0.076	0.2513	0.1340	0.1043	0.4150
Selenium (Dissolved)	3 / 50	6%	0.0000143 - 0.0001550	0.0000286 - 0.00031	0.00009 - 0.001	0.0000970	0.0000775	0.0000480	0.4953679
Selenium (Total)	3 / 50	6%	0.0000143 - 0.0001550	0.0000286 - 0.00031	0.00009 - 0.0001	0.0000966	0.0000775	0.0000485	0.5020829
Silicon (Dissolved)	49 / 50	98%	1.050 - 4.320	0.0605 - 0.15	0.5 - 2.6	2.507	2.240	0.739	0.295
Silver (Dissolved)	4 / 50	8%	0.0000014 - 0.0000158	0.00000287 - 6.20E-06	0.00001 - 0.00002	0.0000035	0.0000031	0.0000023	0.6658991
Silver (Total)	3 / 50	6%	0.0000014 - 0.0000205	0.00000287 - 0.0000062	0.00001 - 0.00002	0.0000036	0.0000031	0.0000033	0.9092793
Thallium (Dissolved)	1 / 50	2%	0.0000021 - 0.0000304	0.00425 - 0.025	0.01 - 0.05	0.0000067	0.0000031	0.0000057	0.8578754
Thallium (Total)	1 / 50	2%	0.0000021 - 0.0000210	0.00425 - 0.025	0.01 - 0.05	0.0000067	0.0000031	0.0000051	0.7584999
Tin (Dissolved)	0 / 50	0%	0.000030 - 0.000155	0.0000604 - 0.00031	0.0002 - 0.001	0.000076	0.000031	0.000060	0.797514
Tin (Total)	7 / 50	14%	0.000030 - 0.002290	0.0000604 - 0.00031	0.0002 - 0.001	0.000155	0.000122	0.000327	2.118618
Vanadium (Dissolved)	20 / 49	41%	0.000025 - 0.000584	0.0000094 - 0.00025	0.00003 - 0.0004	0.000174	0.000264	0.000121	0.698752
Vanadium (Total)	30 / 50	60%	0.000052 - 0.001830	0.0000094 - 0.00025	0.00003 - 0.0004	0.000322	0.000170	0.000352	1.092983
Zinc (Dissolved)	36 / 41	88%	0.00000 - 0.01700	0.000465 - 0.00047	0.001 - 0.0015	0.00378	0.00447	0.00320	0.84759
Zinc (Total)	39 / 50	78%	0.00075 - 0.01850	0.000465 - 0.00047	0.001 - 0.0015	0.00436	0.00549	0.00401	0.91962
Anions (mg/L, except where noted)									
Chloride	50 / 50	100%	0.31 - 1.7	0.031 - 0.031	0.1 - 0.1	0.861	0.559	0.426	0.495
Fluoride	21 / 50	42%	0.016 - 0.088	0.031 - 0.031	0.1 - 0.1	0.035	0.033	0.020	0.589
Cyanide	4 / 50	8%	0.0013 - 0.0066	0.0025 - 0.0025	0.005 - 0.005	0.0016	0.0013	0.0010	0.6340
Cyanide, Weak Acid Dissociable	4 / 50	8%	0.0013 - 0.0037	0.0025 - 0.0025	0.005 - 0.005	0.0015	0.0024	0.0007	0.4431
Nitrogen, Nitrate+Nitrite (as N)	43 / 49	88%	0.0395 - 26.4	NA - NA	NA - NA	1.39	0.188	3.85	2.77
Phosphorus, Total Orthophosphate (as P)	35 / 50	70%	0.000 - 0.60	NA - NA	NA - NA	0.04	0.0264	0.896	0.0057
Sulfate	49 / 49	100%	0.53 - 33.9	0.0022 - 0.031	0.007 - 0.1	5.39	2.08	6.05	3.64
Cations (mg/L, except where noted)									
Nitrogen, Ammonia (as N)	10 / 50	20%	0.020 - 0.03	0.031 - 0.031	0.1 - 0.1	0.040	0.053	0.043	0.88
Sodium (Dissolved)	0 / 45	0%	0.620 - 2.36	0.031 - 0.0578	0.1 - 0.182	1.223	1.017	0.412	0.337
Sodium (Total)	0 / 50	0%	0.770 - 2.73	0.031 - 0.0578	0.1 - 0.182	1.248	1.010	0.432	0.346

Table 9.3-2
Surface Water Data Summary for Naturally Occurring Constituents, Eastern Transporation-corridor Bristol Bay Drainages (2004-2005)

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of MRLs (Min - Max)	Limits (MDL) (Min - Max)	Average [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Miscellaneous Parameters (mg/L, except where noted)									
Acidity, Total	17 / 50	34%	0.79 - 10.0	1.57 - 3.14	5 - 10	1.78	0.79	1.43	0.79
Alkalinity, Total	50 / 50	100.0%	1.55 - 20.8	3.1 - 3.1	10 - 10	5.9	4.4	5.00	5.00
Hardness as CaCO3 (Not Filtered)	50 / 50	100%	2.98 - 25.5	0.147 - 0.8	0.46 - 0.8	9.46	7.97	5.463232	5.77
pH (Field, Standard Units)	50 / 50	100%	4.69 - 8.59	NA - NA	NA - NA	6.43	6.49	0.82	6.5
Specific Conductivity (Field, µS/cm)	50 / 50	100%	10.5 - 270	NA - NA	NA - NA	43	17	48.6	23
Total Dissolved Solids	48 / 50	96%	1.55 - 110	3.1 - 3.1	10 - 10	24.5	8.3	18.7	15
Total Suspended Solids	43 / 50	86%	0.08 - 34.8	0.15 - 0.6	0.5 - 2	3.50	0.20	7.10	0.2
Water Temperature (degC)	50 / 50	100%	0.09 - 22.0	NA - NA	NA - NA	6.84	6.58	4.88	5.24

Notes:

a. Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

b. When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Max = maximum
Min = minimum
MRL = method reporting limit.
MDL = method detection limit.
mg/L = milligram per liter.
MEQ/L = milliequivalent per liter.
mV = millivolt.
µS/cm = microsiemens per centimeter.
NTU = nephelometric turbidity unit.
degC = degrees Celsius.
-- = Not applicable.

Table 9.3-3
Surface Water Data Summary for Naturally Occurring Constituents, Western Transporation-corridor Bristol Bay Drainages (2004-2005)

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of MRLs (Min - Max)	(MDL) (Min - Max)	Average [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Metals (mg/L)									
Aluminum (Dissolved)	62 / 81	77%	0.00100 - 0.057	0.000702 - 0.078	0.002 - 0.25	0.0151	0.0125	0.01088	0.7206
Aluminum (Total)	81 / 82	99%	0.00486 - 0.925	0.00702 - 0.078	0.002 - 0.25	0.0953	0.04625	0.1635	1.7156
Antimony (Dissolved)	41 / 78	53%	0.0000016 - 0.00028	0.000031 - 0.00077	0.0001 - 0.002	0.00005	0.00004	0.00005	0.98402
Antimony (Total)	49 / 82	60%	0.0000016 - 0.00191	0.000031 - 0.00077	0.000100 - 0.002	0.00011	0.00004	0.00023	2.18558
Arsenic (Dissolved)	45 / 81	56%	0.00004 - 0.00585	0.000121 - 0.0025	0.0004 - 0.005	0.00046	0.00016	0.00087	1.88502
Arsenic (Total)	54 / 82	66%	0.00002 - 0.00811	0.000121 - 0.0025	0.0004 - 0.005	0.00084	0.0004	0.00157	1.85595
Barium (Dissolved)	81 / 81	100.0%	0.00126 - 0.01350	0.00036 - 0.00094	0.001 - 0.003	0.00419	0.00235	0.0033	0.78658
Barium (Total)	82 / 82	100%	0.00128 - 0.01100	0.00036 - 0.00094	0.001 - 0.003	0.00491	0.00332	0.00365	0.74412
Beryllium (Dissolved)	0 / 81	0%	0 - 0.000040	0.0000299 0.00015	0.0001 - 0.0003	0.00001	0.00001	0	0.33933
Beryllium (Total)	6 / 82	7%	0 - NA	0.0000299 - 0.00015	0.0001 - 0.0003	0.00001	0.00001	0	0.64924
Bismuth (Dissolved)	1 / 72	1%	0 - 0.00075	0.000031 - 0.015	0.0001 - 0.05	0.00033	0	0.00037	1.13128
Bismuth (Total)	8 / 65	12%	0 - 0.00075	0.000031 - 0.015	0.0001 - 0.05	0.00033	0.00001	0.00037	1.11953
Boron (Dissolved)	9 / 76	12%	0.00155 - 0.0119	0.00198 - 0.031	0.006 - 0.1	0.00235	0.00155	0.00139	0.59041
Boron (Total)	23 / 81	28%	0.0013 - 0.005	0.00198 - 0.031	0.006 - 0.1	0.00279	0.00155	0.00192	0.68683
Cadmium (Dissolved)	12 / 81	15%	0.0000031 - 0.00006	0.0000619 - 0.00031	0.0002 - 0.001	0.00002	0.00002	0.00001	0.69747
Cadmium (Total)	10 / 80	12%	0 - 0.00219	0.0000619 - 0.00031	0.0002 - 0.001	0.00004	0.00002	0.00024	5.79091
Calcium (Dissolved)	79 / 79	100%	2.34 - 12.9	0.15 - 6	0.5 - 20	6.98911	6.9	2.43038	0.34774
Calcium (Total)	82 / 82	100%	2.34 - 14	0.15 - 0.791	0.5 - 2.5	7.13915	7.125	2.47983	0.34736
Chromium (Dissolved)	44 / 71	62%	0.00003 - 0.00143	0.00062 - 0.001	0.002 - 0.002	0.0002	0.00016	0.00019	0.9483
Chromium (Total)	60 / 82	73%	0.00003 - 0.0010	0.00062 - 0.001	0.002 - 0.002	0.00027	0.00023	0.00026	0.94492
Cobalt (Dissolved)	57 / 76	75%	0 - 0.0004	0.000031 - 0.00031	0.0001 - 0.001	0.00004	0.00003	0.00002	0.58766
Cobalt (Total)	71 / 82	87%	0 - 0.0001	0.000031 - 0.00031	0.0001 - 0.001	0.00006	0.00005	0.00006	1.05161
Copper (Dissolved)	72 / 72	100%	0.00019 - 0.0021	0.000209 - 0.00062	0.0006 - 0.002	0.00043	0.00035	0.00023	0.52961
Copper (Total)	84 / 82	100%	0.00011 - 0.0014	0.000209 - 0.00062	0.0006 - 0.002	0.00063	0.00043	0.00047	0.74091
Iron (Dissolved)	65 / 81	80%	0.00400 - 0.21500	0.0265 - 0.062	0.08 - 0.2	0.05536	0.024	0.06144	1.1097
Iron (Total)	77 / 82	94%	0.00310 - 2.11000	0.0265 - 0.062	0.08 - 0.2	0.20819	0.08155	0.33514	1.60974
Lead (Dissolved)	36 / 62	58%	0.00002 - 0.00035	0.00022 - 0.001	0.0007 - 0.002	0.00013	0.00011	0.00007	0.56914
Lead (Total)	29 / 82	35%	0.00002 - 0.00106	0.00022 - 0.001	0.0007 - 0.002	0.00013	0.00005	0.00017	1.31601
Magnesium (Dissolved)	81 / 81	100%	0.18100 - 1.34000	0.0155 - 0.626	0.05 - 1.94	0.85896	0.95	0.30271	0.35241
Magnesium (Total)	82 / 82	100%	0.18000 - 1.27000	0.0155 - 0.708	0.05 - 2.2	0.87859	0.951	0.31163	0.3547
Manganese (Dissolved)	78 / 81	96%	0.00025 - 0.03320	0.00013 - 0.005	0.0004 - 0.01	0.0052	0.00177	0.00699	1.34308
Manganese (Total)	81 / 82	99.0%	0.0005 - 0.15600	0.00013 - 0.005	0.0004 - 0.01	0.01281	0.00389	0.02247	1.75471
Mercury (Total)	24 / 82	29%	0.00015 - 0.00001	0.0000006 - 0.00000899	0.00001 - 0.00005	0	0	0	1.16474
Molybdenum (Dissolved)	75 / 78	96%	0.00016 - 0.00159	0.000062 - 0.0031	0.0002 - 0.01	0.00065	0.00055	0.00035	0.53158
Molybdenum (Total)	78 / 82	95%	0.00016 - 0.00153	0.000062 - 0.0031	0.0002 - 0.01	0.00064	0.00054	0.00034	0.53508
Nickel (Dissolved)	47 / 48	98%	0.00005 - 0.00056	0.000298 - 0.00062	0.0009 - 0.002	0.00035	0.00035	0.0001	0.27488
Nickel (Total)	75 / 82	91%	0.00005 - 0.00063	0.000298 - 0.00062	0.0009 - 0.002	0.00029	0.00028	0.00014	0.47083

Table 9.3-3
Surface Water Data Summary for Naturally Occurring Constituents, Western Transporation-corridor Bristol Bay Drainages (2004-2005)

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of MRLs (Min - Max)	(MDL) (Min - Max)	Average [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Potassium (Dissolved)	72 / 72	100%	0.11200 - 0.85500	0.0142 - 0.155	0.04 - 0.5	0.30989	0.233	0.19807	0.63917
Potassium (Total)	82 / 82	100%	0.11300 - 0.86500	0.0142 - 0.27	0.04 - 0.76	0.31429	0.226	0.20499	0.65224
Selenium (Dissolved)	14 / 81	17%	0.00001 - 0.00021	0.000286 - 0.0031	0.0009 - 0.01	0.00011	0.00008	0.00005	0.43879
Selenium (Total)	14 / 82	17%	0.00001 - 0.00026	0.000286 - 0.0031	0.0009 - 0.01	0.00011	0.00013	0.00005	0.43544
Silicon (Dissolved)	81 / 81	100%	2.24000 - 6.57000	0.623 - 1.5	5 - 24.3	4.21963	4.15	1.16255	0.27551
Silver (Dissolved)	1 / 81	1%	0 - 0.00001	0.0000287 - 0.000062	0.0001 - 0.0002	0	0	0	0.49305
Silver (Total)	3 / 82	4%	0 - 0.00003	0.0000287 - 0.000062	0.0001 - 0.0002	0	0	0	1.04337
Thallium (Dissolved)	2 / 80	3%	0 - 0.00001	0.0000425 - 0.00025	0.0001 - 0.0005	0.00001	0	0	0.67418
Thallium (Total)	4 / 82	5%	0 - 0.00001	0.0000425 - 0.00025	0.0001 - 0.0005	0.00001	0	0	0.64254
Tin (Dissolved)	0 / 81	0%	0.00003 - 0.00085	0.000604 - 0.0031	0.002 - 0.01	0.00011	0.00003	0.00012	1.11315
Tin (Total)	8 / 79	10%	0.00003 - 0.00050	0.000604 - 0.0031	0.002 - 0.01	0.00014	0.00009	0.00016	1.13051
Vanadium (Dissolved)	36 / 81	47%	0.00008 - 0.00074	0.000094 - 0.0025	0.0003 - 0.004	0.00022	0.00013	0.00015	0.67246
Vanadium (Total)	56 / 82	68%	0.00010 - 0.00322	0.000094 - 0.0025	0.0003 - 0.004	0.00042	0.00033	0.00049	1.15582
Zinc (Dissolved)	8 / 69	12%	0.00075 - 0.01430	0.00465 - 0.0047	0.01 - 0.015	0.00239	0.00208	0.0017	0.70936
Zinc (Total)	20 / 82	24%	0.00050 - 0.01290	0.00465 - 0.0047	0.01 - 0.015	0.00284	0.00191	0.00291	1.02111
Anions (mg/L, except where noted)									
Chloride	82 / 82	100%	0.42 - 2.33	0.031 - 0.031	0.1 - 0.1	0.961	0.920	0.340	0.354
Fluoride	44 / 82	54%	0.016 - 0.12	0.031 - 0.031	0.1 - 0.1	0.041	0.039	0.023	0.559
Cyanide	10 / 82	12%	0.0013 - 0.0066	0.0025 - 0.0025	0.005 - 0.005	0.002	0.0013	0.0016	0.7964
Cyanide, Weak Acid Dissociable	13 / 82	16%	0.0013 - 0.0077	0.0025 - 0.0025	0.005 - 0.005	0.0018	0.0013	0.0013	0.7193
Nitrogen, Nitrate+Nitrite (as N)	70 / 81	86%	0.016 - 8.09	0.031 - 0.31	0.1 - 1	0.840000	0.520	1.22	1.46
Phosphorus, Total Orthophosphate (as P)	58 / 82	71%	0.0017 - 0.4450	NA - NA	NA - NA	0.048	0.019	0.064	1.337
Sulfate	82 / 82	100%	0.91 - 59.1	0.0022 - 0.031	0.007 - 0.1	6.06	3.75	8.05	1.33
Cations (mg/L, except where noted)									
Nitrogen, Ammonia (as N)	12 / 82	15%	0.0155 - 0.464	0.031 - 0.031	0.1 - 0.1	0.045	0.016	0.073	1.64
Sodium (Dissolved)	77 / 77	100%	1.03 - 3.9	0.31 - 0.54	1 - 1.7	1.95234	1.88	0.58475	0.29951
Sodium (Total)	82 / 82	100%	0.987 - 4.13	0.31 - 0.611	1 - 1.92	1.96838	1.835	0.6175	0.31371

Table 9.3-3
Surface Water Data Summary for Naturally Occurring Constituents, Western Transporation-corridor Bristol Bay Drainages (2004-2005)

Analyte	Frequency of Detection (FOD)[a]	Percent Detected	Range of Detects (Min - Max)	Range of MRLs (Min - Max)	(MDL) (Min - Max)	Average [b]	Median [b]	Standard Deviation [b]	Coefficient of Variation
Miscellaneous Parameters (mg/L, except where noted)									
Acidity, Total	2 / 82	2%	0.79 - 9.5	1.57 - 3.14	5 - 10	2.6	2.1	1.7	0.7
Alkalinity, Total	74 / 82	90.0%	1.60 - 33.0	3.1 - 6.2	10 - 20	19	21	7	0
Hardness as CaCO3 (Not Filtered)	/		-	0.0147 - 0.8	0.46 - 1.53				0.50
pH (Field, Standard Units)	/		-	NA - NA	NA - NA				0.220
Specific Conductivity (Field, µS/cm)	82 / 82	100%	21.0000 - 600	NA - NA	NA - NA	70.000	60	66.000	1.00
Total Dissolved Solids	82 / 82	100%	10 - 126	3.1 - 3.1	10 - 10	4.350000	44.4	19.400000	0.40
Total Suspended Solids	73 / 82	89%	0.075 - 56	0.15 - 0.75	0.5 - 2.5	4.2	1.5	10.2	2.40
Water Temperature (degC)	80 / 80	100%	0.08 - 22.7	NA - NA	NA - NA	7.42	6.94	5.16	0.70

Notes:

a. Frequency of detection (FOD) = Number of detected samples / total number of samples in data set.

b. When calculating the average, median, and standard deviation, non-detects with "U" or "UJ" qualifiers were included as one-half the RDL. Non-detect results of zero, without "U" or "UJ" qualifiers, were included as one-half the MDL.

Max = maximum
Min = minimum
MRL = method reporting limit.
MDL = method detection limit.
mg/L = milligram per liter.
MEQ/L = milliequivalent per liter.
mV = millivolt.
µS/cm = microsiemens per centimeter.
NTU = nephelometric turbidity unit.
degC = degrees Celsius.
-- = Not applicable.

TABLE 9.3-4

Comparison of Human Health Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a]		CRR[c]			CRR > 1[d]	
	Drinking Water	Other[b]	Min	Max	Median	Number of Samples	Percent of Samples
Total Metals							
Aluminum	-	5.0-I	0.0015	0.27	0.0026	0	0%
Antimony	0.0060	0.014-WO; 4.3-O	0.00026	0.64	0.0045	0	0%
Arsenic	0.010	0.050-S; 0.10-I	0.00061	0.78	0.021	0	0%
Barium	2.0	-	0.00031	0.011	0.001	0	0%
Beryllium	0.0040	0.10-I	0.00037	0.0086	0.0019	0	0%
Bismuth	-	-	-	-	-	-	-
Boron	-	0.75-I	0.0019	0.0187	0.0021	0	0%
Cadmium	0.0050	0.010-S,I	0.00062	0.014	0.0016	0	0%
Calcium	-	-	-	-	-	-	-
Chromium	0.10	0.10-I	0.00031	0.0096	0.0013	0	0%
Cobalt	-	0.050-I	0.000031	0.014	0.00029	0	0%
Copper	-	0.20-I; 1.3-WO	0.00050	0.17	0.013	0	0%
Iron	-	5.0-I	0.00027	0.17	0.0013	0	0%
Lead	-	0.050-S; 5.0-I	0.00022	0.024	0.00066	0	0%
Magnesium	-	-	-	-	-	-	-
Manganese	-	0.20-I; 0.050-WO; 0.10-O	0.0050	1.1	0.013	0	0%
Mercury	0.0020	-	0.000074	0.0016	0.00044	0	0%
Molybdenum	-	0.010-I	0.00031	0.10	0.035	0	-
Nickel	-	0.20-I; 0.61-WO; 4.6-O	0.000075	0.0034	0.00053	0	0%
Potassium	-	-	-	-	-	-	-
Selenium	0.050	0.010-S; 0.020-I; 0.17-WO; 11-O	0.0014	0.016	0.0078	0	0%
Silver	-	-	-	-	-	-	-
Thallium	0.0020	0.0017-WO; 0.0063-O	0.0013	0.012	0.0018	0	0%
Tin	-	-	-	-	-	-	-
Vanadium	-	0.10-I	0.00052	0.018	0.0017	0	0%
Zinc	-	2.0-I	0.00025	0.0093	0.0027	0	0%
Anions							
Chloride	250	-	0.0012	0.0067	0.0022	0	0%
Fluoride	4.0	1.0-I	0.016	0.088	0.033	0	0%
Cyanide[e]	0.20	0.70-WO; 220-O	0.0063	0.0330	0.0063	0	0%
Cyanide, Weak Acid Dissociable[e]	-	-	0.0063	0.019	0.012	-	-
Nitrogen, Nitrate (as N)	10	-	-	-	-	0	0%
Nitrogen, Nitrate-Nitrite	**10**	**-**	**0.0040**	**2.64**	**0.019**	**1**	**2%**
Nitrogen, Nitrite	1.0	-	-	-	-	0	0%
Sulfate	250	-	0.0021	0.14	0.0083	0	0%

TABLE 9.3-4

Comparison of Human Health Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a]		CRR[c]			CRR > 1[d]	
	Drinking Water	Other[b]	Min	Max	Median	Number of Samples	Percent of Samples
Cations							
Nitrogen, Ammonia (as N)	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-
Miscellaneous Parameters							
Alkalinity	-	-	-	-	-	-	-
pH (Field, Standard Units)[f]	**6.0-8.5**	**-**	**4.69**	**8.6**	**6.49**	**18**	**36%**
Total Dissolved Solids	500	-	0.003	0.060	0.017	0	0%
Water Temperature (degC)	**15**	**-**	**0.006**	**1.47**	**0.44**	**3**	**6.0%**

Notes:

a. From ADEC (2008 and 2009). Criteria are in mg/L unless otherwise specified.

b. Other criteria are identified as follows:
   I = Irrigation water.
   S = Stock water.
   WO = Consumption of water + organism.
   O = Consumption of organism only.

c. CRR = Concentration/Criteria. Lowest available criteria were used to calculate CRRs.

d. Percent of samples represents the number of samples with CRRs>1 divided by the total number of samples analyzed.

e. Cyanide criteria are for free cyanide, as CN/L. Weak Acid Dissociable cyanide data were also compared to these criteria since separate criteria were not available.

f. pH must be within the given range of 6.0-8.5 (ADEC, 2009). CRRs were not calculated for pH. Number of samples and Percent of Samples represent samples with pH values outside of the given range.

Bold indicates at least one CRR greater than one (1.0).
CRR = Concentration risk ratio.
mg/L = Milligrams per liter.
degC = degrees Celsius.
ADEC = Alaska Department of Environmental Conservation.
Min = Minimum.
Max = Maximum.
- = Not available or not applicable.
> = Greater than.

References:

ADEC. 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.
ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.3-5

Comparison of Human Health Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Western Transporation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a]		CRR[c]			CRR > 1[d]	
	Drinking Water	Other[b]	Min	Max	Median	Number of Samples	Percent of Samples
Total Metals							
Aluminum	-	5.0-I	0.0010	0.19	0.0093	0	0%
Antimony	0.0060	0.014-WO; 4.3-O	0.00026	0.32	0.0064	0	0%
Arsenic	0.010	0.050-S; 0.10-I	0.0020	0.81	0.040	0	0%
Barium	2.0	-	0.00063	0.0068	0.0017	0	0%
Beryllium	0.0040	0.10-I	0.00037	0.010	0.0019	0	0%
Bismuth	-	-	-	-	-	-	-
Boron	-	0.75-I	0.0017	0.016	0.0021	0	0%
Cadmium	0.0050	0.010-S,I	0.00062	0.44	0.0031	0	`
Calcium	-	-	-	-	-	-	-
Chromium	0.10	0.10-I	0.00031	0.014	0.0023	0	0%
Cobalt	-	0.050-I	0.000031	0.0078	0.00093	0	0%
Copper	-	0.20-I; 1.3-WO	0.00096	0.010	0.0021	0	0%
Iron	-	5.0-I	0.00080	0.42	0.016	0	0%
Lead	-	0.050-S; 5.0-I	0.00031	0.021	0.0010	0	0%
Magnesium	-	-	-	-	-	-	-
Manganese	**-**	**0.20-I; 0.050-WO; 0.10-O**	**0.010**	**3.1**	**0.078**	**4**	**4.9%**
Mercury	0.0020	-	0.000074	0.0033	0.00025	0	0%
Molybdenum	-	0.010-I	0.0016	0.015	0.0054	0	-
Nickel	-	0.20-I; 0.61-WO; 4.6-O	0.00023	0.0032	0.0014	0	0%
Potassium	-	-	-	-	-	-	-
Selenium	0.050	0.010-S; 0.020-I; 0.17-WO; 11-O	0.0014	0.026	0.013	0	0%
Silver	-	-	-	-	-	-	-
Thallium	0.0020	0.0017-WO; 0.0063-O	0.0013	0.0074	0.0024	0	0%
Tin	-	-	-	-	-	-	-
Vanadium	-	0.10-I	0.0010	0.032	0.0033	0	0%
Zinc	-	2.0-I	0.00025	0.0072	0.00096	0	0%
Anions							
Chloride	250	-	0.0037	0.24	0.015	0	0%
Fluoride	4.0	1.0-I	0.016	0.12	0.039	0	0%
Cyanide[e]	0.20	0.70-WO; 220-O	0.0063	0.033	0.0063	0	0%
Cyanide, Weak Acid Dissociable[e]	-	-	-	-	-	-	-
Nitrogen, Nitrate (as N)	10	-	-	-	-	0	0%
Nitrogen, Nitrate-Nitrite	10	-	0.0016	0.81	0.05	0	0%
Nitrogen, Nitrite	1.0	-	-	-	-	0	0%
Sulfate	250	-	0.0037	0.24	0.015	0	0%

TABLE 9.3-5
Comparison of Human Health Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Western Transporation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a]		CRR[c]			CRR > 1[d]	
	Drinking Water	Other[b]	Min	Max	Median	Number of Samples	Percent of Samples
Cations							
Nitrogen, Ammonia (as N)	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-
Miscellaneous Parameters							
Alkalinity	-	-	-	-	-	-	-
pH (Field, Standard Units)[f]	**6.0-8.5**	-	**4.6**	**8.8**	**6.7**	**10**	**12%**
Total Dissolved Solids	500	-	0.020	0.25	0.089	0	0%
Water Temperature (degC)	**15**	-	**0.005**	**1.51**	**0.46**	**4**	**5.0%**

Notes:

a. From ADEC (2008 and 2009). Criteria are in mg/L unless otherwise specified.

b. Other criteria are identified as follows:
I = Irrigation water.
S = Stock water.
WO = Consumption of water + organism.
O = Consumption of organism only.

c. CRR = Concentration/Criteria. Lowest available criteria were used to calculate CRRs.

d. Percent of samples represents the number of samples with CRRs>1 divided by the total number of samples analyzed.

e. Cyanide criteria are for free cyanide, as CN/L. Weak Acid Dissociable cyanide data were also compared to these criteria since separate criteria were not available.

f. pH must be within the given range of 6.0-8.5 (ADEC, 2009). CRRs were not calculated for pH. Number of samples and Percent of Samples represent samples with pH values outside of the given range.

Bold indicates at least one CRR greater than one (1.0).
CRR = Concentration risk ratio.
mg/L = Milligrams per liter.
degC = degrees Celsius.
ADEC = Alaska Department of Environmental Conservation.
Min = Minimum.
Max = Maximum.
- = Not available or not applicable.
> = Greater than.

References:

ADEC. 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.
ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

TABLE 9.3-6

Comparison of Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a,b]		CRR[c]			CRR > 1[d]	
	Acute	Chronic	Min	Max	Median	Number of Samples	Percent of Samples
Dissolved Metals[e]							
Aluminum	-	-	0.0040	0.067	0.0069	0	0%
Aluminum (Total)	**0.75**	**0.087**	**0.0845**	**15.6**	**0.149**	**16**	**32%**
Antimony	-	-	-	-	-	-	-
Arsenic	0.34	0.15	0.000040	0.052	0.00083	0	0%
Barium	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-
Bismuth	-	-	-	-	-	-	-
Boron	-	-	-	-	-	-	-
Cadmium	**A**	**A (0.000022-0.000083)**	**0.094**	**1.90**	**0.356**	**5**	**10%**
Calcium	-	-	-	-	-	-	-
Chromium[f]	A	A (0.0043-.0106)	0.0030	0.21	0.013	0	0%
Cobalt	-	-	-	-	-	-	-
Copper	**A**	**A (0.00046-0.00137)**	**0.087**	**27.2**	**0.6**	**18**	**40%**
Iron	-	1.0	0.0013	0.12	0.0066	0	0
Lead	**A**	**A (0.00005-0.00044)**	**0.113**	**4.22**	**0.750**	**15**	**45%**
Magnesium	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-
Mercury[g]	0.0014	0.00077	0.00019	0.0042	0.0011	0	0%
Molybdenum	-	-	-	-	-	-	-
Nickel	A	A (0.0028-0.0139)	0.022	0.12	0.75	0	0%
Potassium	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	0	0%
Selenium (Total)	-[h]	0.0050	0.0029	0.031	0.016	0	0%
Silicon	-	-	-	-	-	-	-
Silver	A (0.000009-0.00024)	-	0.00600	0.652	0.128	0	0%
Thallium	-	-	-	-	-	-	-
Tin	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-
Zinc	**A**	**A (0.00622-0.0315)**	**0.024**	**1.3**	**0.28**	**2**	**5%**
Anions[e]							
Chloride	860	230	0.0013	0.0073	0.0024	0	0%
Fluoride	-	-	-	-	-	-	-
Cyanide[i]	**0.022**	**0.0052**	**0.24**	**1.3**	**0.24**	**1**	**2.0%**
Cyanide, Weak Acid Dissociable[i]	-	-	0.24	0.71	0.47	0	0
Nitrogen, Nitrate (as N)	-	-	-	-	-	-	-
Nitrogen, Nitrate-Nitrite	-	-	-	-	-	-	-
Nitrogen, Nitrite	-	-	-	-	-	-	-
Sulfate	-	-	-	-	-	-	-
Cations[e]							
Nitrogen, Ammonia (as N; total mg N/L)	C	D,E (6.57-7.07)	0.0020	0.036	0.002	0	0%
Sodium	-	-	-	-	-	-	-

TABLE 9.3-6

Comparison of Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a,b]		CRR[c]			CRR > 1[d]	
	Acute	Chronic	Min	Max	Median	Number of Samples	Percent of Samples
Miscellaneous Parameters[e]							
Alkalinity[j]	-	20	-	-	-	-	-
pH (Field, Standard Units)[k]	**6.5-8.5**	**6.5-8.5**	**4.69**	**8.59**	**6.49**	**26**	**52%**
Total Dissolved Solids	1,000	1,000	1.6	110	8.3	0	0%
Water Temperature (degC)[l]	-	-	-	-	-	-	-

Notes:

a. From ADEC (2008 and 2009). Criteria are in mg/L unless otherwise specified.

b. Criteria listed as "A" are hardness-dependent. Criteria listed as "C", "D", or "E" are pH-dependent. Calculated criteria are presented in parentheses. Equations are provided below.
Acute and Chronic hardness-dependent criteria can be calculated using the following equations:
Acute Criteria (mg/L) = $[\exp(m_A(\ln(\text{hardness}))+b_A)*(CF)]/1{,}000$
Chronic Criteria (mg/L) = $[\exp(m_C(\ln(\text{hardness}))+b_C)*(CF)]/1{,}000$
Input values are provided in Table 9.1-9. The 5th percentile of hardness throughout the East Bristol Bay Drainage was used to calculate criteria.
Acute and Chronic pH-dependent criteria can be calculated using the following equations:
Acute (mg/L) = $(0.275/(1+10^{7.204-pH}))+(39.0/(1+10^{pH-7.204}))$
Chronic (mg/L) = $((0.0577/(1+10^{7.688-pH}))+(2.487/(1+10^{pH-7.688})))*(\text{MIN}(2.85, 1.45*10^{0.028(25-T)}))$, where T = water temperature
Acute criteria assume that salmonids are present, and chronic criteria assume that early life stages of fish are present. Field pH measurements were used to calculate criteria.

c. CRR = Concentration/Criteria. Lowest available criteria were used to calculate CRRs.

d. For analytes with CRRs >1, individual CRRs (greater than 1 only) and corresponding sample locations and dates are shown in Table 9.1-10.
Percent of samples represents the number of samples with CRRs>1 divided by the total number of samples analyzed.

e. Aquatic life criteria are for dissolved constituents unless otherwise specified. Where criteria were available only for total constituents, both total and dissolved data were compared to the total criteria.

f. Aquatic life criteria were only available for Cr^3 and Cr^6, not for total chromium. Cr^3 values were used for this comparison.

g. Only total mercury data were available, so these were compared to the aquatic life criteria, which are for dissolved mercury.

h. The acute selenium criteria calculation requires data for fractions of total selenium as selenite and selenate. These data were not available; therefore, only the chronic criterion was used for comparison with surface water data.

i. Cyanide criteria are for free cyanide, as CN/L. Weak Acid Dissociable cyanide data were also compared to these criteria since separate criteria were not available.

j. Chronic criterion is a minimum criterion for alkalinity (as $CaCO_3$), unless natural alkalinity is lower. Surface water data were therefore not compared to this criterion.

k. pH must be within the given range of 6.5-8.5 (ADEC, 2009). CRRs were not calculated for pH. Number of samples and Percent of Samples represent samples with pH values outside of the given range.

l. Water quality standards for temperature range from 13-20 degC depending on fish use (ADEC, 2009). The average water temperature in the East Bristol Bay Drainage is well below the minimum criterion of 13 degC, with only occasional values (limited to the summer months) near or above the various criteria. All except one value are below the absolute criterion of 20 degC.

References:

ADEC. 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.
ADEC. 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

Bold indicates at least one CRR greater than one (1).
CRR = Concentration risk ratio.
mg/L = Milligrams per liter.
degC = degrees Celsius.
ADEC = Alaska Department of Environmental Conservation.
Min = Minimum.
Max = Maximum.
- = Not available or not applicable.
> = Greater than.

TABLE 9.3-7

Comparison of Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Western Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a,b]		CRR[c]			CRR > 1[d]	
	Acute	Chronic	Min	Max	Median	Number of Samples	Percent of Samples
Dissolved Metals[e]							
Aluminum	-	-	0.011	0.66	0.14	0	0%
Aluminum (Total)	**0.75**	**0.087**	**0.056**	**10.6**	**0.53**	**18**	**22%**
Antimony	-	-	-	-	-	-	-
Arsenic	0.34	0.15	0.00025	0.039	0.0011	0	0%
Barium	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-
Bismuth	-	-	-	-	-	-	-
Boron	-	-	-	-	-	-	-
Cadmium	A	A (0.000039-0.00011)	0.042	0.85	0.20	0	0%
Calcium	-	-	-	-	-	-	-
Chromium[f]	A	A (0.0085-0.011)	0.0029	0.094	0.015	0	0%
Cobalt	-	-	-	-	-	-	-
Copper	A	A (0.00093-0.0032)	0.06	0.7	0.20	0	0%
Iron	-	1.0	0.0031	0.22	0.024	0	0%
Lead	**A**	**A (0.00013-0.00066)**	**0.44**	**1.6**	**0.31**	**5**	**8%**
Magnesium	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-
Mercury[g]	0.0014	0.00077	0.00019	0.0085	0.00065	0	0%
Molybdenum	-	-	-	-	-	-	-
Nickel	A	A (0.0055-0.019)	0.0039	0.072	0.029	0	0%
Potassium	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	0	0%
Selenium (Total)	-[h]	0.0050	0.0029	0.052	0.027	0	0%
Silicon	-	-	-	-	-	-	-
Silver	A (0.000036-0.00043)	-	0.0033	0.28	0.018	0	0.0%
Thallium	-	-	-	-	-	-	-
Tin	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-
Zinc	A	A (0.013-0.042)	0.018	0.68	0.077	0	0%
Anions[e]							
Chloride	860	230	0.0018	0.010	0.0040	0	0%
Fluoride	-	-	-	-	-	-	-
Cyanide[i]	**0.022**	**0.0052**	**0.24**	**1.3**	**0.24**	**10**	**12%**
Cyanide, Weak Acid Dissociable[i]	**-**	**-**	**0.24**	**1.5**	**0.24**	**2**	**2.4%**
Nitrogen, Nitrate (as N)	-	-	-	-	-	-	-
Nitrogen, Nitrate-Nitrite	-	-	-	-	-	-	-
Nitrogen, Nitrite	-	-	-	-	-	-	-
Sulfate	-	-	-	-	-	-	-
Cations[e]							
Nitrogen, Ammonia (as N; total mg N/L)	C	D,E (6.78-7.08)	0.0022	0.07	0.002	0	0%
Sodium	-	-	-	-	-	-	-

TABLE 9.3-7

Comparison of Freshwater Aquatic Life Water Quality Criteria with Naturally Occurring Constituent Concentrations in Surface Water, Western Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	Criteria[a,b]		CRR[c]			CRR > 1[d]	
	Acute	Chronic	Min	Max	Median	Number of Samples	Percent of Samples
Miscellaneous Parameters[e]							
Alkalinity[j]	-	20	-	-	-	-	-
pH (Field, Standard Units)[k]	**6.5-8.5**	**6.5-8.5**	**4.58**	**8.83**	**6.70**	**32**	**39%**
Total Dissolved Solids	1,000	1,000	0.010	0.13	0.044	0	0%
Water Temperature (degC)[l]	-	-	-	-	-	-	-

Notes:

a. From ADEC (2008 and 2009). Criteria are in mg/L unless otherwise specified.

b. Criteria listed as "A" are hardness-dependent. Criteria listed as "C", "D", or "E" are pH-dependent. Calculated criteria are presented in parentheses. Equations are provided below.
Acute and Chronic hardness-dependent criteria can be calculated using the following equations:
Acute Criteria (mg/L) = $[\exp(m_A(\ln(\text{hardness}))+b_A)*(CF)]/1{,}000$
Chronic Criteria (mg/L) = $[\exp(m_C(\ln(\text{hardness}))+b_C)*(CF)]/1{,}000$
Input values are provided in Table 9.1-9. The 5th percentile of hardness throughout the West Bristol Bay Drainage was used to calculate criteria.
Acute and Chronic pH-dependent criteria can be calculated using the following equations:
Acute (mg/L) = $(0.275/(1+10^{7.204-pH}))+(39.0/(1+10^{pH-7.204}))$
Chronic (mg/L) = $((0.0577/(1+10^{7.688-pH}))+(2.487/(1+10^{pH-7.688})))*(\text{MIN}(2.85, 1.45*10^{0.028(25-T)}))$, where T = water temperature
Acute criteria assume that salmonids are present, and chronic criteria assume that early life stages of fish are present. Field pH measurements were used to calculate criteria.

c. CRR = Concentration/Criteria. Lowest available criteria were used to calculate CRRs.

d. For analytes with CRRs >1, individual CRRs (greater than 1 only) and corresponding sample locations and dates are shown in Table 9.1-10.
Percent of samples represents the number of samples with CRRs>1 divided by the total number of samples analyzed.

e. Aquatic life criteria are for dissolved constituents unless otherwise specified. Where criteria were available only for total constituents, both total and dissolved data were compared to the total criteria.

f. Aquatic life criteria were only available for Cr^3 and Cr^6, not for total chromium. Cr^3 values were used for this comparison.

g. Only total mercury data were available, so these were compared to the aquatic life criteria, which are for dissolved mercury.

h. The acute selenium criteria calculation requires data for fractions of total selenium as selenite and selenate. These data were not available; therefore, only the chronic criterion was used for comparison with surface water data.

i. Cyanide criteria are for free cyanide, as CN/L. Weak Acid Dissociable cyanide data were also compared to these criteria since separate criteria were not available.

j. Chronic criterion is a minimum criterion for alkalinity (as $CaCO_3$), unless natural alkalinity is lower. Surface water data were therefore not compared to this criterion.

k. pH must be within the given range of 6.5-8.5 (ADEC, 2009). CRRs were not calculated for pH. Number of samples and Percent of Samples represent samples with pH values outside of the given range.

l. Water quality standards for temperature range from 13-20 degC depending on fish use (ADEC, 2009). The average water temperature in the West Bristol Bay Drainage is well below the minimum criterion of 13 degC, with only occasional values (limited to the summer months) near or above the various criteria. All except one value are below the absolute criterion of 20 degC.

References:

ADEC. 2008. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances. As amended through December 12, 2008.
ADEC, 2009. 18 AAC 70. Water Quality Standards. Amended as of September 19, 2009.

Bold indicates at least one CRR greater than one (1).
CRR = Concentration risk ratio.
mg/L = Milligrams per liter.
degC = degrees Celsius.
ADEC = Alaska Department of Environmental Conservation.
Min = Minimum.
Max = Maximum.
- = Not available or not applicable.
> = Greater than.

TABLE 9.3-8
Identification of Surface Water Samples Exceeding Human Health Water Quality Criteria, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	CRR[a]	Sample Location	Sample Date	Total Exceedences by Location and Analyte	
Nitrogen, Nitrate-Nitrite	2.64	GS3A	02/15/05	02/15/05	1
				Total (1 location)	1
pH (Field)	5.5	GS23	10/06/05	GS23	1
	5.61	GS3A	10/19/04		
	5.26	GS3A	02/15/05		
	5.84	GS3A	08/10/05		
	5.72	GS3A	09/10/05	GS3A	4
	5.82	GS4A	07/31/04		
	5.9	GS4A	08/19/04		
	5.31	GS4A	09/25/04		
	5.98	GS4A	10/19/04		
	5.67	GS4A	06/14/05		
	5.94	GS4A	07/15/05		
	5.50	GS4A	08/10/05	GS4A	7
	4.69	GS4B	02/16/05	GS4B	1
	5.78	GS6A	07/21/04		
	5	GS6A	10/15/04	GS6A	2
	5.8	GS8A	08/18/04		
	5.05	GS8A	09/24/04		
	8.59	GS8A	09/09/05	GS8A	3
				Total (6 locations)	18
Water Temperature	1.20	GS6A	07/21/04		
	1.47	GS6A	08/19/04	GS6A	2
	1.01	GS8A	08/18/04	GS8A	1
				Total (2 locations)	3

Notes:

a. Only CRRs greater than 1, and the corresponding analytes, are shown in this table. Values for pH represent pH measurements at each location, not CRRs.

CRR = Concentration risk ratio.

TABLE 9.3-9
Identification of Surface Water Samples Exceeding Human Health Water Quality Criteria, Western Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	CRR[a]	Sample Location	Sample Date	Total Exceedences by Location and Analyte	
Manganese (Dissolved)	3.1	GS14A	09/22/04	GS14A	1
	1.2	GS14B	09/22/04		
	1.7	GS14B	09/09/05	GS14B	2
	1.5	GS20	09/20/04	GS20	1
				Total (3 locations)	4
pH (Field)	5.5	GS11A	07/23/04		
	5.25	GS11A	09/23/04		
	5.5	GS11A	10/07/05	GS11A	3
	5.87	GS12A	08/01/04	GS12A	1
	5.76	GS14A	09/22/04	GS14A	1
	5.4	GS14B	10/17/04		
	8.83	GS14B	09/09/05	GS14B	2
	5.5	GS18A	08/16/04	GS18A	1
	5.75	GS20	9/20/2004		
	5.8	GS20	10/18/04	GS20	2
	5.6	GS20A	08/20/04	GS20A	
	4.58	GS20A	09/21/04	GS20A	2
				Total (7 locations)	12
Water Temperature	16.2	GS12A	08/17/04	GS12A	1
	17.56	GS20	08/08/05	GS20	1
	22.7	GS20A	07/20/04	GS20A	1
	16.2	NHRV	07/22/04	NHRV	1
				Total (4 locations)	4

Notes:

a. Only CRRs greater than 1, and the corresponding analytes, are shown in this table. Values for pH represent pH measurements at each location, not CRRs.

CRR = Concentration risk ratio.

TABLE 9.3-10

Identification of Surface Water Samples Exceeding Freshwater Aquatic Life Water Quality Criteria, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	CRR[a]	Sample Location	Sample Date	Total Exceedences by Location and Analyte	
Aluminum (Total)	1.62	GS3A	10/19/04		
	1.59	GS3A	07/13/05		
	2.1	GS3A	08/10/05		
	2.28	GS3A	09/10/05		
	1.04	GS3A	10/07/05	GS3A	5
	3.76	GS4A	07/31/04		
	15.40	GS4A	08/19/04		
	2.11	GS4A	10/19/04		
	1.18	GS4A	05/04/05		
	2.61	GS4A	06/14/05		
	4.11	GS4A	07/15/05		
	6.62	GS4A	08/10/05		
	15.60	GS4A	09/10/05		
	2.38	GS4A	10/07/05	GS4A	9
	2.10	GS4B	09/25/04	GS4B	1
	10.70	GS8A	09/09/05	GS8A	1
				Total (4 locations)	16
Cadmium (Dissolved)	1.262	GS4A	07/31/04		
	1.13	GS4A	09/25/04		
	1.90	GS4A	02/16/05		
	1.68	GS4A	04/02/05	GS4A	4
	1.52	GS8A	07/21/04	GS8A	1
				Total (2 locations)	5
Copper (Dissolved)	7.63	GS23	7/13 & 7/14/2005		
	1.18	GS23	09/09/05	GS23	2
	1.08	GS3A	08/19/04		
	1.02	GS3A	05/04/05		
	1.79	GS3A	07/13/05		
	1.04	GS3A	09/10/05		
	1.02	GS3A	10/07/05	GS3A	5
	2.02	GS4A	07/31/04		
	6.55	GS4A	09/25/04		
	15.5	GS4A	10/19/04		
	11.0	GS4A	02/16/05		
	14.2	GS4A	04/02/05		
	4.39	GS4A	05/04/05		
	9.44	GS4A	06/14/05		
	11.9	GS4A	07/15/05		
	2.73	GS4A	08/10/05		
	3.18	GS4A	09/10/05		
	27.2	GS4A	10/07/05	GS4A	11
				Total (3 locations)	18
Lead (Dissolved)	1.38	GS3A	08/19/04		
	3.00	GS3A	10/19/04		
	3.07	GS3A	02/15/05		
	1.96	GS3A	07/13/05	GS3A	4
	1.20	GS4A	10/19/04		
	1.18	GS4A	02/16/05		
	1.76	GS4A	06/14/05		
	1.30	GS4A	08/10/05		
	1.40	GS4A	09/10/05	GS4A	5
	1.40	GS4B	10/15/04	GS4B	1
	1.80	GS8A	07/21/04		
	1.02	GS8A	08/18/04		
	2.66	GS8A	10/16/04		
	1.52	GS8A	02/17/05		
	4.21	GS8A	09/09/05	GS8A	5
				Total (4 locations)	15
Zinc (Dissolved)	1.254	GS3A	07/13/05	GS3A	1
	1.322	GS4A	07/15/05	GS4A	1
				Total (2 locations)	2
Cyanide (Total)	1.27	GS7A	10/16/04	GS7A	1
				Total (1 location)	1
pH (Field)	6.47	GS23	09/09/05		
	5.5	GS23	10/06/05	GS23	2
	5.61	GS3A	10/19/04		
	5.26	GS3A	02/15/05		

TABLE 9.3-10

Identification of Surface Water Samples Exceeding Freshwater Aquatic Life Water Quality Criteria, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	CRR[a]	Sample Location	Sample Date	Total Exceedences by Location and Analyte	
	6.46	GS3A	04/02/05		
	5.84	GS3A	08/10/05		
	5.72	GS3A	09/10/05		
	6.1	GS3A	10/07/05	GS3A	6
	5.82	GS4A	07/31/04		
	5.9	GS4A	08/19/04		
	5.31	GS4A	09/25/04		
	5.98	GS4A	10/19/04		
	6.43	GS4A	02/16/05		
	5.67	GS4A	06/14/05		
	5.94	GS4A	07/15/05		
	5.50	GS4A	08/10/05		
	6.08	GS4A	09/10/05		
	6.40	GS4A	10/07/05	GS4A	10
	4.69	GS4B	02/16/05	GS4B	1
	5.78	GS6A	07/21/04		
	6.06	GS6A	09/24/04		
	5	GS6A	10/15/04	GS6A	3
pH (Field) - continued	5.8	GS8A	08/18/04		
	5.05	GS8A	09/24/04		
	6.31	GS8A	08/09/05		
	8.59	GS8A	09/09/05	GS8A	4
				Total (6 locations)	26

Notes:

a. Only CRRs greater than 1, and the corresponding analytes, are shown in this table. Values for pH represent pH measurements at each location, not CRRs.

CRR = Concentration risk ratio.

TABLE 9.3-11

Identification of Surface Water Samples Exceeding Freshwater Aquatic Life Water Quality Criteria, Western Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	CRR[a]	Sample Location	Sample Date	Total Exceedences by Location and Analyte	
Aluminum (Total)	1.98	GS11A	09/08/05	GS11A	1
	2.22	GS12A	09/22/04	GS12A	1
	1.95	GS14A	07/20/04		
	10.6	GS14A	09/22/04	GS14A	2
	7.05	GS14B	07/23/04		
	7.40	GS14B	09/22/04		
	1.00	GS14B	05/04/05		
	10.0	GS14B	09/09/05	GS14B	4
	2.55	GS18A	07/20/04		
	1.04	GS18A	10/17/04	GS18A	2
	1.91	GS20	09/20/04	GS20	1
	1.01	GS20A	10/14/04	GS20A	1
	1.79	NHRIV	07/22/04		
	1.98	NHRIV	08/20/04		
	1.29	NHRIV	09/20/04		
	1.09	NHRIV	10/18/04		
	3.17	NHRIV	05/05/05		
	1.52	NHRIV	08/08/05		
	1.80	NHRIV	09/07/05	NHRIV	7
				Total (7 locations)	19
Lead (Dissolved)	1.29	GS11A	07/23/04		
	1.63	GS11A	08/17/04		
	1.36	GS11A	10/16/04		
	1.38	GS11A	09/08/05	GS11A	4
	1.39	GS12A	10/16/04	GS12A	1
				Total (2 locations)	5
Cyanide (Total)	1.17	GS11A	07/23/04		
	1.21	GS11A	10/16/04	GS11A	2
	1.12	GS12A	10/16/04	GS12A	1
	1.17	GS14A	10/17/04	GS14A	1
	1.27	GS14B	07/23/04		
	1.12	GS14B	10/17/04	GS14B	2
	1.17	GS17A	10/17/04	GS17A	1
	1.21	GS18A	10/17/04	GS18A	1
	1.06	GS20	10/18/04	GS20	1
	1.27	NHRIV	10/18/04	NHRIV	1
				Total(8 locations)	10
Cyanide, Weak Acid Dissociable[l]	1.48	GS11A	07/23/04	GS11A	1
	1.48	GS14B	07/23/04	GS14B	1
				Total(2 locations)	2

TABLE 9.3-11

Identification of Surface Water Samples Exceeding Freshwater Aquatic Life Water Quality Criteria, Western Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	CRR[a]	Sample Location	Sample Date	Total Exceedences by Location and Analyte	
pH (Field)	5.5	GS11A	07/23/04		
	5.25	GS11A	09/23/04		
	6.20	GS11A	02/17/05		
	6.35	GS11A	06/15/05		
	5.5	GS11A	10/07/05	GS11A	5
	5.87	GS12A	08/01/04		
	6.49	GS12A	09/22/04	GS12A	2
	6.04	GS14A	07/20/04		
	5.76	GS14A	09/22/04	GS14A	2
	6.34	GS14B	09/22/04		
	5.4	GS14B	10/17/04		
	6.43	GS14B	04/03/05		
	8.83	GS14B	09/09/05		
	6.0	GS14B	10/06/05	GS14B	5
	6.32	GS17A	07/20/04		
	6.4	GS17A	08/17/04		
	6.44	GS17A	09/21/04		
	6	GS17A	10/05/05	GS17A	4
	6.20	GS18A	07/20/04		
	5.5	GS18A	08/16/04		
	6.06	GS18A	09/21/04		
	6.48	GS18A	02/18/05	GS18A	4
	6.26	GS20	07/22/04		
	6.4	GS20	08/20/04		
	5.75	GS20	09/20/04		
	5.8	GS20	10/18/04		
	6.17	GS20	02/19/05	GS20	5
	6.30	GS20A	07/20/04		
	5.6	GS20A	08/20/04		
	4.58	GS20A	09/21/04		
	6.22	GS20A	02/18/05	GS20A	4
	6	NHRIV	10/05/05	NHRIV	1
				Total (6 locations)	32

Notes:

a. Only CRRs greater than 1, and the corresponding analytes, are shown in this table. Values for pH represent pH measurements at each location, not CRRs.

CRR = Concentration risk ratio.

TABLE 9.3-12

Comparison of Total and Dissolved Naturally Occurring Constituent Concentrations in Surface Water, Western Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	T/D Significantly Different? [a]	p-Value	Mean Ranks		Sample Counts	
			Dissolved	Total	Dissolved	Total
Aluminum	**Yes**	**<0.0001**	**41**	**96**	**62**	**81**
Antimony	**Yes**	**0.022**	**39**	**51**	**41**	**49**
Arsenic	**Yes**	**0.047**	**44**	**55**	**45**	**54**
Barium	**Yes**	**0.043**	**74**	**89**	**81**	**82**
Beryllium [b]	-	-	0	4	0	7
Bismuth [b]	-	-	6	5	1	8
Boron	No	0.87	17	17	9	24
Cadmium	No	0.48	11	13	12	11
Calcium	No	0.73	80	82	79	82
Chromium	No	0.053	46	57	44	60
Cobalt	**Yes**	**0.0062**	**54**	**73**	**57**	**71**
Copper	**Yes**	**0.01**	**67**	**86**	**71**	**82**
Iron	**Yes**	**<0.0001**	**55**	**85**	**65**	**77**
Lead	**Yes**	**0.0012**	**27**	**43**	**38**	**29**
Magnesium	No	0.59	80	84	81	82
Manganese	**Yes**	**0.0001**	**66**	**94**	**78**	**81**
Molybdenum	No	0.80	78	76	75	78
Nickel	**Yes**	**0.0076**	**72**	**55**	**47**	**75**
Potassium	No	0.94	82	82	81	82
Selenium	No	0.30	13	16	14	14
Silver [b]	No	0.77	4	3	2	3
Sodium	No	0.99	80	80	77	82
Thallium	No	0.49	5	3	2	4
Tin [b]	-	-	0	5	0	9
Vanadium	**Yes**	**0.0006**	**36**	**56**	**39**	**55**
Zinc	No	0.26	59	66	61	63

Notes:

a. Differences are considered statistically significant if the p-value is less than 0.050. The nonparametric Mann-Whitney U-test was used for statistical comparisons. Only detected concentrations were included in the statistical comparisons.

b. Each sample count must be greater than 1 to perform Mann-Whitney U-test.

T/D = total vs. dissolved.

< = less than.

- = not applicable.

TABLE 9.3-13

Comparison of Total and Dissolved Naturally Occurring Constituent Concentrations in Surface Water, Eastern Transportation-corridor Bristol Bay Drainages Study Area (2004-2005)

Analyte	T/D Significantly Different? [a]	p-Value	Mean Ranks		Sample Counts	
			Dissolved	Total	Dissolved	Total
Aluminum	**Yes**	**<0.0001**	**14.8**	**33.4**	**23**	**25**
Antimony	No	0.48	10.3	12.4	9	13
Arsenic	No	0.61	6.9	8.1	7	7
Barium	No	0.52	24.1	26.9	25	25
Beryllium [b]	-	-	0.0	0.0	0	0
Bismuth [b]	-	-	0.0	1.5	0	2
Boron	No	0.78	24.1	22.9	24	22
Cadmium	No	1.00	4.6	4.4	4	4
Calcium	No	0.79	24.4	25.5	24	25
Chromium	No	0.50	20.4	17.9	16	21
Cobalt	No	0.58	23.4	25.6	24	24
Copper	No	0.99	19.9	20.1	17	22
Iron	**Yes**	**0.04**	**16.0**	**23.8**	**17**	**23**
Lead	No	0.44	8.7	10.8	11	7
Magnesium	No	0.74	24.8	26.2	25	25
Manganese	No	0.75	22.8	24.1	22	24
Molybdenum	No	0.82	22.0	21.1	20	22
Nickel	No	0.44	15.0	11.6	3	20
Potassium	No	0.90	22.3	21.8	21	22
Selenium	No	1.00	4.5	4.5	4	4
Silver [b]	-	-	1.5	1.5	1	1
Sodium	No	0.98	24.9	25.1	24	25
Thallium	No	0.83	3.8	3.2	3	3
Tin [b]	-	-	0.0	1.5	0	2
Vanadium	No	0.72	16.3	17.6	16	17
Zinc	No	0.39	16.2	19.2	19	15

Notes:

a. Differences are considered statistically significant if the p-value is less than 0.050. The nonparametric Mann-Whitney U-test was used for statistical comparisons. Only detected concentrations were included in the statistical comparisons.

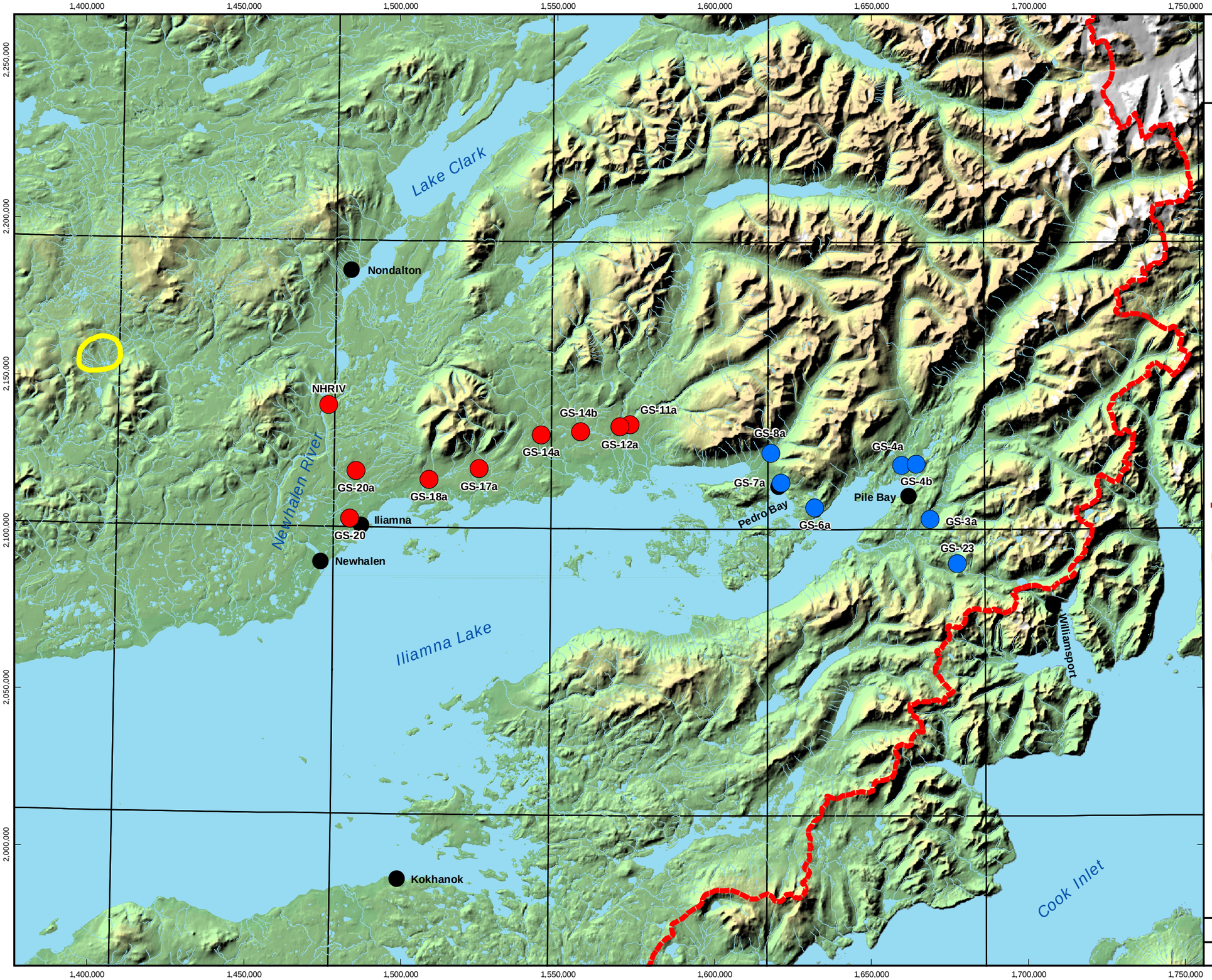
b. Each sample count must be greater than 1 to perform Mann-Whitney U-test.

T/D = total vs. dissolved.

< = less than.

- = not applicable.

FIGURES

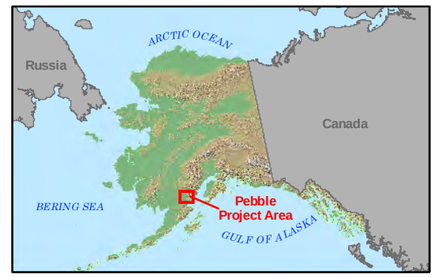


THE pebble PARTNERSHIP

Figure 9.3-1
Sampling Locations for Surface Water Quality and Sediment
2004-2005
Transportation-corridor, Bristol Bay Drainages Study Area

Legend

- Surface Water-Quality and Sediment Sample Location - East
- Surface Water-Quality and Sediment Sample Location - West
- Community
- Bristol Bay/Cook Inlet Drainage Boundary
- General Deposit Location



0 4 8 12 16 Miles

0 5 10 15 20 Kilometers

N

Scale 1:363,852

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: Hydro_EBD3a_V06.mxd	Date: June 16, 2011
Version: 6	Author: BI-ME

PHOTOGRAPHS

PHOTO 9.3-1: Collecting water quality samples across a stream using a depth-integrated DH-81 sample device July 2005.

PHOTO 9.3-2: Collecting a water quality sample from the Newhalen River July 2004.

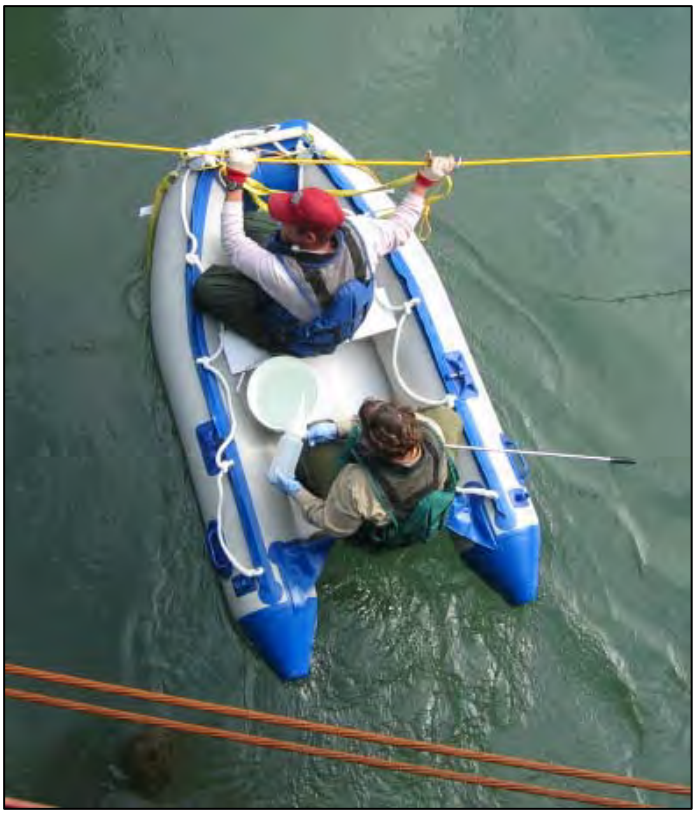


PHOTO 9.3-3: Field crew collecting water quality sample using a small boat on the Pile River July 2005.

PHOTO 9.3-4: Collecting water quality samples in winter, March 2005.

PHOTO 9.3-5: Using an ice auger to access the stream for water quality sampling, March 2005.

PHOTO 9.3-6: Collecting field water quality parameters, April 2005.

APPENDICES

APPENDIX 9.3A

Laboratory Data Tables and Outliers Analysis
2004-2005 Surface Water
Transportation-corridor, Bristol Bay Drainages Study Area

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+Nitrite (as N)	Ammonia (as N)[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	Total/Dissolved														
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GS11A															
	Sample Date														
	07/23/04	8.86	5.5	11.6	31.3	0.5	**1.57**	10	**0.155**	**0.0155**	0.0326 J		0.563	0.051 J	1.93
	08/17/04	11.0			35.0	0.9	**1.57**	10.5	**0.155**	0.154	0.0391 J		0.647	0.069 J	4.66
	09/23/04	9.27	5.25	4.2	26.3	1.3	**1.57**	**9.0** J	2.82 J-	**0.0155**	**0.0155**		0.907	**0.016**	2.37
	10/16/04	8.42	6.6	5	27.5	0.6	9.5 J	**1.55**	2.32	**0.0155**	**0.0155**		0.879	**0.050** UJ	1.82
	02/17/05	14.6	6.20	0.09	27.5	0.4	2.0 J	10.5	4.77	**0.050** U	0.0793 J		0.838	0.121	17.7
	04/01/05	14.3	7.48	0.09	27.5	0.4	2.2 J	14	0.71	**0.050** U	0.0543		0.854	0.044 J	4.87
	05/03/05	10.5	6.54	3.49	45.0	1.0	2.5 J	**7.0** J	0.86	0.088 J	0.0110		0.846	**0.016**	1.55
	06/15/05	6.59	6.35	6.41	10.0	0.6	**0.79**	**6.5** J	0.112	**0.0155**	0.0180		0.569	0.034 J	1.04
	07/16/05	7.56	7.32	9.82	18.8	0.4	**0.79**	**7.0** J	0.102	**0.0155**	0.0750		0.424	0.037 J	1.41
	08/10/05	9.55	7.39	14.02	13.8	0.2	**0.79**	**9.0** J	**0.016**	**0.0155**	**0.0017**		0.482	0.032 J	1.92
	09/08/05	8.09	7.02	8.69	25.0	2.8	1.75 J	**7.0** J	0.194	**0.0155**	0.0099 J		0.486	**0.016**	1.28
	10/07/05	8.99	5.5	5.64	16.3	0.7	1.63 J	**7.5** J	0.237	**0.050** U	0.0071 J		0.629	**0.050** U	1.73
	Mean	9.80	6.47	6.28	25.3	0.8	2.2	8.0	1.04	0.042	0.030	NA	0.677	0.040	3.50
	Median	9.10	6.54	5.64	26.9	0.6	1.6	8.0	0.22	0.016	0.017	NA	0.638	0.040	1.90
	St. Deviation	2.5	0.80	4.44	9.6	0.7	2.36	3	1.49	0.042	0.0266	NA	0.177	0.03	4.6
	# of values	12	12	11	12	12	12	12	12	12	12	0	12	12	12
	Minimum	6.59	5.25	0.09	10.0	0.2	0.79	1.55	0.016	0.0155	0.0017	NA	0.424	0.016	1.04
	Maximum	14.6	7.48	14.02	45.0	2.8	9.5	14.0	4.77	0.154	0.0793	NA	0.907	0.121	17.7
	% of values undetected						50%	8%	25%	83%	25%			42%	
	# of values between MDL and MRL					4	6	7		1	4			6	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.05	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	42%	0%	0%	0%	0%	100%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%
GS12A															
	Sample Date														
	08/01/04	14.3	5.87	13	48.8	2.3	**1.57**	14.5	**0.155**	0.076 J	**0.0155**		0.772	0.040 J	4.11
	08/17/04	17.6	7.4	16.2	52.5	2.2	3.4 J	16.5	1.14	0.412	0.111		0.959	0.082 J	4.89
	09/22/04	14.9	6.49	8.8	25.0	8.4	**1.57**	14.8	3.27 J-	**0.050** U	0.060 J		1.38	**0.016**	4.98
	10/16/04	12.3	6.8	6	45.0	1.3	**1.57**	11	0.44 J	**0.0155**	**0.0155**		1.05	**0.050** UJ	4.32
	02/19/05	16.7	6.67	0.1	32.5	**0.075**	2.5 J	14	0.82	**0.0155**	0.0357 J		1.04	0.039 J	5.77
	04/01/05	15.6	7.30	0.1	41.3	0.7	2.2 J	17	0.35	**0.050** U	0.075		0.987	0.038 J	5.45
	Mean	15.2	6.76	7.37	40.9	2.5	2.1	15	1.0	0.10	0.052	NA	1.03	0.044	4.92
	Median	15.3	6.74	7.40	43.2	1.8	1.9	15	0.60	0.050	0.048	NA	1.01	0.040	4.94
	St. Deviation	1.9	0.56	6.62	10.4	3	0.7	2	1.2	0.15	0.037	NA	0.2	0.022	0.64
	# of values	6	6	6	6	6	6	6	6	6	6	0	6	6	6
	Minimum	12.3	5.87	0.1	25.0	0.075	1.57	11	0.155	0.0155	0.0155	NA	0.772	0.016	4.11
	Maximum	17.6	7.40	16.2	52.5	8.4	3.4	17	3.27	0.412	0.111	NA	1.38	0.082	5.77
	% of values undetected					17%	50%		17%	67%	33%			33%	
	# of values between MDL and MRL						3		1	1	1			4	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	6.94	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	33%	0%	0%	0%	0%	100%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%

Parameters	Total Cyanide		Cyanide WAD[5]		Aluminum				Antimony				Arsenic				Barium				Beryllium				Bismuth			
Total/Dissolved					Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location Units	mg/L		mg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
GS11A																												
Sample Date																												
07/23/04	0.0061		0.0077		42.1		**12.5**	U	1.91		**0.0385**		**0.125**		**0.125**		2.07		1.87		**0.0075**		**0.0075**		**0.750**		**0.750**	
08/17/04	**0.0013**		**0.0013**		29.5	J+	**12.5**	U	**0.0385**		**0.0385**		**0.125**		**0.125**		2.15	J+	2.09	J+	**0.0075**		**0.0075**		**0.750**		**0.750**	
09/23/04	**0.0025**	U	0.0039	J	42.6		**12.5**	U	**0.0385**		**0.0385**		**0.125**		**0.125**		2.06		1.84		**0.0075**		**0.0075**		**0.750**		**0.750**	
10/16/04	0.0063		0.0030	J	66.1		**12.5**	U	0.0925	J	0.0826	J	**0.125**		**0.125**		2.21		1.99		**0.0075**		**0.0075**		**0.750**		**0.750**	
02/17/05	**0.0013**		**0.0013**		23.6	J+	6.25	J+	0.334		0.269	J+	6.98		5.42		2.28		2.02		**0.0075**		**0.0075**		0.0252		**0.0016**	
04/01/05	**0.0013**		**0.0013**		12.5	J+	5.90	J+	**0.00405**		**0.0100**	U	**0.0200**	U	0.0548		2.56		2.35		**0.0015**		**0.0015**		**0.0038**		**0.0038**	
05/03/05	**0.0013**		**0.0013**		61.4		12.1	J+	**0.0100**	U	**0.00405**		0.0425		0.0368	J	3.30		2.57		**0.0015**		**0.0015**		**0.0038**		**0.0038**	
06/15/05	**0.0013**		**0.0013**		24.7		5.37		**0.0050**	U	**0.0050**	U	**0.125**		**0.125**		1.52		1.78		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
07/16/05	**0.0013**		**0.0013**		22.3	J+	7.27	J+	**0.00155**		**0.00155**		**0.125**		**0.125**		1.69	J+	1.59	J+	**0.0075**		**0.0075**		**0.0016**		**0.0016**	
08/10/05	**0.0013**		**0.0013**		17.6	J+	6.59	J+	**0.00155**		0.0046	J	**0.125**		**0.125**		1.81		1.74		**0.0075**		**0.0075**		**0.0050**	U	**0.0016**	
09/08/05	**0.0013**		**0.0013**		172		18.3	J+	**0.0050**	U	**0.0050**	U	**0.125**		**0.125**		2.8		1.88		**0.0075**		**0.0075**		**0.0050**	U	**0.0016**	
10/07/05	**0.0013**		0.0033	J	29.8		12.7	J+	0.0120		0.0188		**0.125**		**0.125**		2.05		1.91		**0.0075**		**0.0075**		**0.0050**	U	**0.0016**	
Mean	0.0022		0.0023		45.0		10.4		0.20		0.0430		0.680		0.550		2.21		1.97		0.0065		0.0065		0.25		0.25	
Median	0.0013		0.0013		30.0		12.3		0.0100		0.0140		0.130		0.130		2.11		1.9		0.0075		0.0075		0.01		0.0030	
St. Deviation	0.0019		0.0020		43		4		0.55		0.075		1.98		1.53		0.49		0.27		0.0023		0.0023		0.37		0.368	
# of values	12		12		12		12		12		12		12		12		12		12		12		12		12		12	
Minimum	0.0013		0.0013		12.5		5.37		0.00155		0.0016		0.0200		0.0368		1.52		1.59		0.0015		0.0015		0.0016		0.0016	
Maximum	0.0063		0.0077		172		18.3		1.91		0.269		6.98		5.42		3.30		2.57		0.0075		0.0075		0.75		0.750	
% of values undetected	83%		67%				33%		67%		67%		83%		75%						100%		100%		92%		100%	
# of values between MDL and MRL			3						1		2				1													
Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
% of CALC exceedences	0%		8%		8%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
GS12A																												
Sample Date																												
08/01/04	**0.0013**		**0.0013**		64.1		**3.90**		0.0899	J	**0.0385**		**0.125**		**0.125**		1.65		1.31		**0.0075**		**0.0075**		**0.750**		**0.75**	
08/17/04	**0.0013**		**0.0013**		52.4	J+	**12.5**	U	**0.0385**		**0.0385**		**0.125**		**0.125**		1.90	J+	1.68	J+	**0.0075**		**0.0075**		**0.750**		**0.75**	
09/22/04	**0.0025**	U	**0.0013**		193		28.4		**0.0385**		**0.0385**		0.251	J	**0.125**		2.35		1.46		**0.0075**		**0.0075**		**0.750**		**0.75**	
10/16/04	0.0058		0.0040	J	50.4		25.4		**0.0385**		**0.0385**		**0.125**		**0.125**		1.36		1.38		**0.0075**		**0.0075**		**0.750**		**0.75**	
02/19/05	**0.0013**		**0.0013**		10.7	J+	5.63	J+	0.0334	J+	0.0154	J+	**0.125**		**0.125**		1.26		1.28		**0.0075**		**0.0075**		**0.0016**		**0.00155**	
04/01/05	**0.0013**		**0.0013**		22.3	J+	5.26	J+	**0.0100**	U	**0.0100**	U	0.0811		0.0949		1.52		1.53		**0.0015**		**0.0015**		**0.0038**		**0.003835**	
Mean	0.0022		0.0017		65.0		13.5		0.0415		0.0299		0.139		0.120		1.67		1.44		0.0065		0.0065		0.5		0.5	
Median	0.0013		0.0013		51.0		9.10		0.0385		0.0385		0.125		0.125		1.59		1.42		0.0075		0.0075		0.75		0.75	
St. Deviation	0.00183		0.00112		66		10.8		0.0262		0.0134		0.058		0.012		0.4		0.15		0.0025		0.0025		0.39		0.39	
# of values	6		6		6		6		6		6		6		6		6		6		6		6		6		6	
Minimum	0.0013		0.0013		10.7		3.90		0.0100		0.0100		0.0811		0.0949		1.26		1.28		0.0015		0.0015		0.0016		0.00155	
Maximum	0.0058		0.0040		193		28.4		0.0899		0.0385		0.251		0.125		2.35		1.68		0.0075		0.0075		0.75		0.75	
% of values undetected	83%		83%				33%		67%		83%		67%		83%						100%		100%		100%		100%	
# of values between MDL and MRL			1						1				1															
Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
% of CALC exceedences	0%		0%		17%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

Parameters	Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS11A														
Sample Date														
07/23/04	**1.55**	**1.55**	**0.0155**	**0.0155**	3190	3040	**0.050**	0.182 J	**0.0155**	**0.0155**	0.596	0.549	16.4 J	**3.1**
08/17/04	**5.00** U	**1.55**	**0.0155**	**0.0155**	3980	3920	**0.050**	**0.050**	**0.0155**	**0.0155**	0.621 J+	0.516 J+	**10.0** U	**3.1**
09/23/04	**1.55**	**1.55**	**0.0155**	**0.0155**	3260	3160	**0.100** U	**0.100** U	**0.0155**	**0.0155**	0.433	0.332	25.5	6.3 J
10/16/04	**1.55**	**1.55**	**0.0155**	**0.0155**	3000	2430	**0.050**	0.157 J	0.0482 J	0.0328 J	1.91	0.680	26.0	**3.1**
02/17/05	**1.55**	**1.55**	**0.0078**	**0.0078**	5180	4990	**0.031**	**0.100** U	0.0300 J+	0.0260 J+	0.622 J+	0.353 J+	**10.0** U	**10.0** U
04/01/05	1.39 J	J	0.0132 J	0.0329	5010 J	J	**0.036**	**0.036**	**0.0048**	0.0184 J	0.313 J+	0.29 J+	**4.0** U	**4.0** U
05/03/05	1.30 J	J	**0.0031**	**0.0100** U	3710	3530	**0.036**	**0.036**	**0.0150** U	**0.0150** U	0.364 J+	0.425 J+	39.0	9.06
06/15/05	**1.55**	**1.55**	**0.0078**	**0.0078**	2340	2340	**0.100** U	0.214	**0.0016**	**0.0016**	0.206 J+	0.243 J+	7.2 J	**3.1**
07/16/05	3.70 J	**1.55**	**0.0078**	**0.0078**	2710 J+	2650 J+	0.258 J	J	**0.0016**	**0.0016**	0.220 J	J	**10.0** U	**10.0** U
08/10/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	3440	3320	0.241	**0.031**	0.0212 J+	0.0248 J+	0.253 J+	0.251 J+	8.3 J	**3.1**
09/08/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	2830	2650	0.239 J	J	0.0624 J+	0.0426 J+	0.488 J+	0.428 J+	112 J+	38.0
10/07/05	**1.55**	**5.00** U	**0.0078**	**0.0078**	3190	2830	0.421 J+	**0.031**	0.0266 J+	0.0346 J+	0.435 J	J	16.9 J	**3.1**
Mean	2.56	2.59	0.0104	0.0126	3490	3170	0.13	0.094	0.0215	0.0203	0.540	0.41	20	8.0
Median	1.55	1.55	0.0078	0.0089	3230	3040	0.080	0.075	0.0155	0.0170	0.430	0.389	10	4.0
St. Deviation	1.6	1.67	0.0043	0.0073	870	770	0.13	0.069	0.0184	0.0125	0.46	0.142	30	10
# of values	12	10	12	12	12	11	12	10	12	12	12	10	12	12
Minimum	1.30	1.55	0.0031	0.0078	2340	2340	0.031	0.031	0.0016	0.0016	0.206	0.243	4.0	3.1
Maximum	5.00	5.00	0.0155	0.0329	5180	4990	0.421	0.214	0.0624	0.0426	1.91	0.68	112	38.0
% of values undetected	75%	100%	92%	92%			67%	70%	58%	50%			33%	75%
# of values between MDL and MRL	1		1					2	1	2			4	1
Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.038	0.039	NA	NA	9.903	8.516	NA	NA	0.976	0.937	1000	1000
Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS12A														
Sample Date														
08/01/04	4.40 J	**1.55**	**0.0500** U	**0.0500** U	4780	4670	0.129 J	0.104 J	**0.0155**	**0.0155**	0.372	0.305	71.3	10.7 J
08/17/04	**5.00** U	**5.00** U	**0.0155**	**0.0155**	6050	6010	**0.050**	**0.050**	0.0380 J	**0.0155**	0.705 J+	0.646 J+	47.5 J+	**10.0** U
09/22/04	8.20 J	**1.55**	**0.0155**	**0.0155**	4870	4750	0.212	**0.100** U	0.0935 J	0.0317 J	0.701	0.422	585	89.1
10/16/04	4.10 J	**1.55**	**0.0155**	**0.0155**	4210	4190	0.231	0.271	0.0367 J	0.0706 J	0.946	0.630	52.4	18.4 J
02/19/05	**1.55**	**1.55**	**0.0078**	**0.0078**	5530	5850	**0.100** U	J	0.0172 J	J	0.246 J+	0.204 J+	25.0 J+	22.2 J+
04/01/05	1.48 J	J	0.0168 J	0.0168 J	5140 J	J	0.078 J	**0.036**	**0.0048**	0.0207 J	0.428 J+	0.336 J+	21.9	**4.0** U
Mean	4.10	2.24	0.020	0.020	5100	5090	0.13	0.112	0.0343	0.0308	0.566	0.424	134	26
Median	4.30	1.55	0.016	0.016	5010	4750	0.12	0.100	0.0270	0.0207	0.565	0.379	50	15
St. Deviation	2.5	1.54	0.015	0.015	640	790	0.073	0.094	0.0318	0.0232	0.261	0.18	222	31.7
# of values	6	5	6	6	6	5	6	5	6	5	6	6	6	6
Minimum	1.48	1.55	0.00775	0.0078	4210	4190	0.050	0.036	0.0048	0.0155	0.246	0.204	21.9	4.0
Maximum	8.20	5.00	0.05	0.05	6050	6010	0.231	0.271	0.0935	0.0706	0.946	0.646	585	89.1
% of values undetected	33%	100%	83%	83%			33%	60%	33%	40%				33%
# of values between MDL and MRL	3		1	1			2	1	3	3				2
Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.059	0.059	NA	NA	10.98	10.56	NA	NA	1.610	1.546	1000	1000
Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Lead[4]				Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium	
	Total/Dissolved	Total		Dissolved		Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L		µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS11A																
	Sample Date															
	07/23/04	**0.050**		**0.167**	J	215	208	1.01	**0.250**	**0.0005** U	**0.978** J	1.03	**0.113** J	0.281	150	142
	08/17/04	**0.100** U		0.211	J+	258	253	**0.500** U	**0.500** U	**0.0005** UJ	1.18	1.11	**0.100** U	0.231	226	225
	09/23/04	**0.050**		**0.100**	U	275	266	1.48	**0.579** J	**0.0005** U	**0.927** J	**0.975** J	**0.100** U	0.280	151 J+	159 J+
	10/16/04	**0.188** J		**0.175**	J	226	198	1.36	**0.605** J	**0.0005** U	**0.831** J	**0.722** J	**0.179** J	0.257	154	121
	02/17/05	0.137 J+		0.113	J+	395	388	0.843 J+	0.340 J+	**0.0005** U	1.50	1.47	0.403 J+	0.402 J+	171	171
	04/01/05	**0.035** U			J	428	413	0.558	0.332	**0.00015**	1.53	1.59	**0.045** U	J	154	160
	05/03/05	**0.035** U			J	289	275	1.85	0.601 J+	**0.0025** U	0.72	0.582	**0.045** U	J	158 J+	171 J+
	06/15/05	**0.016**			J	181	180	0.725	0.279	**0.00045**	0.527	0.529	0.203 J	J	115	125
	07/16/05	**0.0155**			J	190	184	1.91 J+	0.296 J+	**0.00045**	0.716	0.706	0.118 J	J	113 J+	112 J+
	08/10/05	**0.016**			J	237	231	0.602	0.343	**0.00045**	0.898	0.969	0.165 J	J	140	140
	09/08/05	**0.050** U		0.178	J+	252	211	5.02	0.993	**0.00045**	0.609	0.645	0.148 J	J	159 J+	149 J+
	10/07/05	**0.050** U		**0.050**	U	248	227	0.991	0.560	**0.00045**	0.667	0.633	0.165 J	J	159	137
	Mean	0.06		0.142		266	253	1.40	0.473	0.0006	0.920	0.91	0.15	0.29	154	151
	Median	0.05		0.167		250	229	1.00	0.422	0.0005	0.860	0.85	0.13	0.28	154	146
	St. Deviation	0.05		0.056		75	75	1.24	0.213	0.0006	0.33	0.35	0.094	0.066	29	30
	# of values	12		7		12	12	12	12	12	12	12	12	5	12	12
	Minimum	0.016		0.050		181	180	0.500	0.250	0.000147	0.527	0.529	0.045	0.231	113	112
	Maximum	0.188		0.211		428	413	5.02	0.993	0.0025	1.53	1.59	0.403	0.402	226	225
	% of values undetected	83%		29%				8%	17%	100%			33%			
	# of values between MDL and MRL	1		2					2		3	2	2			
	Chronic Aquatic Life Criteria (CALC)[1]	0.110		0.130		NA	NA	NA	NA	0.012	NA	NA	5.58	5.56	NA	NA
	Drinking Water Standards (DWS)[2]	15		NA		NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	17%		57%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%		0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS12A																
	Sample Date															
	08/01/04	**0.050**		**0.050**		574	549	3.48	**0.912** J	**0.0005** U	**0.155**	**0.155**	**0.146** J	0.225	170	165
	08/17/04	**0.100** U			J	606	606	2.66	1.03	**0.0005** UJ	**0.782** J	**0.837** J	**0.100** U	0.352	370	367
	09/22/04	0.213		**0.100**	U	669	625	19.4	3.61	0.0017	**0.493** J	**0.612** J	0.238	0.242	296 J+	298 J+
	10/16/04	0.837		0.352		443	448	2.61	1.62	**0.0005** U	**0.538** J	**0.554** J	0.232	0.330	136	148
	02/19/05	**0.016**		0.105	J+	712	718	0.605 J+	0.366 J+	**0.0005** U	0.902	0.908	0.275 J	J	171	175
	04/01/05	0.082 J			J	675	697	1.13	0.613	**0.00015**	0.707 J	J	0.0936 J	J	164	177
	Mean	0.22		0.15		613	607	5.00	1.36	0.0006	0.596	0.613	0.181	0.287	218	222
	Median	0.091		0.10		638	616	2.60	0.97	0.0005	0.623	0.612	0.189	0.286	171	176
	St. Deviation	0.311		0.136		97	99	7.1	1.18	0.0005	0.264	0.296	0.078	0.063	93	89
	# of values	6		4		6	6	6	6	6	6	5	6	4	6	6
	Minimum	0.016		0.050		443	448	0.605	0.366	0.000147	0.155	0.155	0.0936	0.225	136	148
	Maximum	0.837		0.352		712	718	19.4	3.61	0.0017	0.902	0.908	0.275	0.352	370	367
	% of values undetected	50%		50%						83%	17%	20%	17%			
	# of values between MDL and MRL								1		3	3	1			
	Chronic Aquatic Life Criteria (CALC)[1]	0.232		0.253		NA	NA	NA	NA	0.012	NA	NA	9.16	9.14	NA	NA
	Drinking Water Standards (DWS)[2]	15		NA		NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	17%		25%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%		0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS11A																
	Sample Date															
	07/23/04	**0.155**	**0.155**	3140	**0.0031**	**0.0031**	1170	1150	**0.0125**	**0.0125**	**0.852** J	**0.155**	**0.383** J	**0.125**	**1.46** J	2.47
	08/17/04	**0.155**	**0.155**	3430	**0.0031**	**0.0031**	1310 J+	1360 J+	**0.0125**	**0.0125**	**0.500** UJ	**0.500** UJ	0.428	**0.388** J	**0.75** U	**0.75** U
	09/23/04	**0.155**	**0.155**	3140	**0.0031**	**0.0031**	1300 J+	1360 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.200** U	**0.200** U	**0.75** U	1.64 J+
	10/16/04	**0.155**	**0.155**	3070	**0.0031**	**0.0102** J	1130	1070	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	3.81	2.86
	02/17/05	**0.0775**	**0.0775**	3850	**0.0068** J	**0.0031**	1590 J+	1630 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.200** U	**0.100**	3.62 J+	4.22 J+
	04/01/05	**0.0143**	**0.0297** J	4010	**0.0050** U	**0.0050** U	1240 J	J	**0.0021**	**0.0021**	0.330	**0.0302**	0.245	0.218	2.43 J+	2.78 J+
	05/03/05	**0.0315** J	**0.0143**	3170	**0.0014**	**0.0014**	1160 J+	1100 J+	**0.0021**	**0.0021**	**0.100** J	**0.0302**	0.286	0.232	1.15 J+	1.80 J+
	06/15/05	**0.0775**	**0.0775**	2240	**0.0031**	**0.0031**	987 J+	1030 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	0.446	**0.75** U	1.57 J+
	07/16/05	**0.0775**	**0.0775**	2540	**0.0031**	**0.0031**	1090 J+	1130 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.210** J	**0.100**	12.0 J	J
	08/10/05	**0.0775**	**0.0775**	2990	**0.0031**	**0.0031**	1140	1120	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.75** U	**0.75** U
	09/08/05	**0.0775**	**0.0775**	3220	**0.0031**	**0.0031**	1120 J+	1090 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.636	**0.373** J	1.59 J+	2.21 J+
	10/07/05	**0.0775**	**0.0775**	3660	**0.0031**	**0.0031**	1330	1230	**0.0031**	**0.0031**	**0.031**	**0.031**	0.404	0.516	1.66 J	J
	Mean	0.0940	0.0940	3210	0.0034	0.0040	1210	1210	0.0060	0.0060	0.19	0.10	0.276	0.244	2.6	2.1
	Median	0.0780	0.0780	3160	0.0031	0.0030	1170	1130	0.0030	0.0030	0.070	0.030	0.228	0.209	1.5	2.01
	St. Deviation	0.049	0.05	500	0.0013	0.002	160	180	0.005	0.005	0.26	0.14	0.16	0.149	3.2	1.05
	# of values	12	12	12	12	12	12	11	12	12	12	12	12	12	12	10
	Minimum	0.0143	0.0143	2240	0.0014	0.0014	987	1030	0.0021	0.0021	0.031	0.0302	0.100	0.100	0.75	0.75
	Maximum	0.155	0.155	4010	0.0068	0.0102	1590	1630	0.0125	0.0125	0.852	0.500	0.636	0.516	12.0	4.22
	% of values undetected	92%	92%		92%	92%			100%	100%	75%	100%	42%	50%	33%	20%
	# of values between MDL and MRL	1	1		1	1					2		2	2	1	
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.0432	0.0367	NA	NA	NA	NA	NA	NA	NA	NA	12.78	12.60
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS12A																
	Sample Date															
	08/01/04	**0.155**	**0.155**	4670	**0.0031**	**0.0031**	1800	1760	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.359** J	**0.125**	**1.03** J	**1.16** J
	08/17/04	**0.155**	**0.155**	4850	**0.0031**	**0.0031**	2450	2300	**0.0125**	**0.0125**	**0.500** UJ	**0.500** UJ	0.470	**0.337** J	2.78 J+	2.28 J+
	09/22/04	**0.155**	**0.155**	4820	**0.0031**	**0.0031**	2150	2120	**0.0125**	**0.0125**	**0.155**	**0.155**	0.673	**0.200** U	6.01 J+	5.64 J+
	10/16/04	**0.155**	**0.155**	4250	**0.0031**	**0.0031**	1490	1710	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.308** J	**0.317** J	3.1 J	J
	02/19/05	**0.175** J	**0.0775**	4930	**0.0031**	**0.0031**	2180 J+	2210 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	1.63 J+	2.06 J+
	04/01/05	**0.0143**	**0.0371** J	4810	**0.0050** U	**0.0050** U	1660 J	J	**0.0021**	**0.0021**	0.348	**0.0302**	0.223	0.184	4.00 J+	4.34 J+
	Mean	0.135	0.122	4720	0.0034	0.0034	1960	2020	0.0092	0.0092	0.22	0.17	0.356	0.211	3.09	3.1
	Median	0.155	0.155	4820	0.0031	0.0031	1980	2120	0.013	0.013	0.16	0.16	0.334	0.192	2.94	2.28
	St. Deviation	0.06	0.052	250	0.0008	0.0008	360	270	0.0051	0.0051	0.169	0.172	0.2	0.098	1.78	1.84
	# of values	6	6	6	6	6	6	5	6	6	6	6	6	6	6	5
	Minimum	0.0143	0.0371	4250	0.0031	0.0031	1490	1710	0.0021	0.0021	0.031	0.0302	0.100	0.100	1.03	1.16
	Maximum	0.175	0.155	4930	0.0050	0.0050	2450	2300	0.0125	0.0125	0.500	0.500	0.673	0.337	6.01	5.64
	% of values undetected	83%	83%		100%	100%			100%	100%	83%	100%	17%	50%		
	# of values between MDL and MRL	1	1										2	2	1	1
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.118	0.101	NA	NA	NA	NA	NA	NA	NA	NA	20.99	20.70
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+Nitrite (as N)	Ammonia (as N)[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	Total/Dissolved														
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GS14A															
	Sample Date														
	07/20/04	22.2	6.04	10.9	100	8.4	**1.57**	26.5	**0.155**	**0.0155**	**0.0155**		1.07	**0.076** J	2.50
	08/17/04	23.9	6.8	11.5	53.8	3.5	**3.2** J	27.5	**0.72** J	0.226	**0.0326** J		1.01	0.102	2.70
	09/22/04	21.5	5.76	6.9	48.8	56	**1.57**	21	1.3 J-	**0.050** U	0.110		2.33	**0.016**	2.92
	10/17/04	15.9	6.8	2	40.0	1.4	**1.57**	17	**0.155**	**0.0155**	**0.0155**		1.17	**0.050** UJ	2.70
	02/18/05	21.5	6.88	0.53	36.2	0.6	**3.0** J	23	0.47	**0.0155**	0.0579 J		1.04	**0.037** J	2.66
	03/31/05	24.4	6.87	0.08	35.0	2.1	**2.2** J	25	0.16	**0.050** U	0.0871		1.11	**0.037** J	2.80
	Mean	21.6	6.53	5.32	52.0	12	2.2	23	0.50	0.062	0.0530	NA	1.29	0.050	2.70
	Median	21.9	6.8	4.45	44.0	3.0	1.9	24	0.30	0.033	0.0450	NA	1.09	0.040	2.70
	St. Deviation	3	0.49	5.16	24	22	0.8	4	0.5	0.082	0.039	NA	0.51	0.03	0.1
	# of values	6	6	6	6	6	6	6	6	6	6	0	6	6	6
	Minimum	15.9	5.76	0.08	35.0	0.6	1.57	17	0.155	0.0155	0.0155	NA	1.01	0.0155	2.50
	Maximum	24.4	6.88	11.5	100	56	3.2	27.5	1.3	0.226	0.110	NA	2.33	0.102	2.92
	% of values undetected						50%		33%	83%	33%			33%	
	# of values between MDL and MRL						3		1		1			3	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	6.99	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	33%	0%	0%	0%	0%	17%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%
GS14B															
	Sample Date														
	07/23/04	22.4		10.4	50.0	31.8	**4.0** J	25.5	5.08	0.189	0.189		0.984	0.106	3.15
	08/17/04	22.6	7.5	12.4	62.5	2.4	**3.8** J	25.5	**0.67** J	0.464	**0.0619** J		1.04	**0.039** J	3.36
	09/22/04	22.7	6.34	7.1	57.5	51.6	**4.5** J	23.3	1.19 J-	**0.0155**	0.230		1.82	**0.016**	3.37
	10/17/04	17.1	5.4	2	50.0	0.9	**1.57**	20	**0.155**	**0.0155**	**0.0155**		1.49	**0.050** UJ	3.36
	02/17/05	21.8	6.70	0.96	42.5	1.5	**4.2** J	17.5	8.09	**0.050** U	0.0407 J		1.19	**0.043** J	3.57
	04/03/05	18.5	6.43	0.12	45.0	1.1	**2.5** J	22	0.34	**0.0155**	0.445		1.16	**0.043** J	3.77
	05/04/05	20.6	7.40	6.2	126	2.9	**3.13** J	13.5	1.24	**0.0155**	0.0415		0.946	**0.032** J	3.63
	06/15/05	24.3	6.70	7.19	30.0	0.8	**2.0** J	23	0.398	**0.0155**	0.0360		0.927	**0.036** J	8.58
	07/15/05	22.5	7.37	12.14	48.8	1.1	**1.88** J	24	0.475	**0.0155**	0.0975		0.829	**0.039** J	2.68
	08/10/05	23.3	7.62	12.71	41.3	1.9	**0.79**	26	0.248	**0.0155**	**0.0160** J		0.913	**0.036** J	3.06
	09/09/05	19.7	8.83	9.47	43.8	49.5	**2.63** J	16	0.405	**0.0155**	0.0640		0.967	**0.050** U	2.33
	10/06/05	18.6	6.0	6.06	27.5	1.7	**2.38** J	16	0.521	**0.0155**	**0.0085** J		1.11	**0.050** U	2.65
	Mean	21.2	6.94	7.23	52.0	12	2.8	21	1.57	0.070	0.104	NA	1.11	0.040	3.63
	Median	22.1	6.7	7.15	47.0	2.0	2.6	23	0.50	0.016	0.0520	NA	1.01	0.040	3.36
	St. Deviation	2.2	0.93	4.43	25	20	1.2	4	2.45	0.134	0.128	NA	0.28	0.02	1.62
	# of values	12	12	12	12	12	12	12	12	12	12	0	12	12	12
	Minimum	17.1	5.4	0.12	27.5	0.8	0.79	13.5	0.155	0.0155	0.0085	NA	0.829	0.016	2.33
	Maximum	24.3	8.83	12.71	126	51.6	4.5	26	8.09	0.464	0.445	NA	1.82	0.106	8.58
	% of values undetected						17%		8%	83%	8%			33%	
	# of values between MDL and MRL						10		1		3			7	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.02	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	42%	0%	0%	0%	0%	33%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%

Parameters	Total Cyanide		Cyanide WAD[5]		Aluminum				Antimony				Arsenic				Barium				Beryllium				Bismuth			
Total/Dissolved					Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location Units	mg/L		mg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
GS14A																												
Sample Date																												
07/20/04	**0.0013**		0.0050		170		**15.7**	J	**0.100**	U	**0.0385**		1.05		0.632		6.07		3.89		**0.0075**		**0.0075**		**0.750**		**0.75**	
08/17/04	**0.0013**		**0.0013**		37.0	J+	**12.5**	U	**0.0385**		**0.0385**		0.511		0.521		4.33	J+	3.81	J+	**0.0075**		**0.0075**		**0.750**		**0.75**	
09/22/04	**0.0025**	U	**0.0013**		925		46.7		**0.0385**		**0.0385**		3.05		0.590		13.5		4.41		**0.0251**	J	**0.0075**		**0.750**		**0.75**	
10/17/04	0.0061		**0.0040**	J	52.8		**16.1**	J	**0.0385**		**0.0385**		0.707		0.547		3.45		3.09		**0.0075**		**0.0075**		**0.750**		**0.75**	
02/18/05	**0.0013**		**0.0013**		22.5	J+	6.63	J+	0.411		0.0654	J+	8.11		0.521		3.33		3.27		**0.0075**		**0.0075**		**0.0016**		**0.00155**	
03/31/05	**0.0013**		**0.0013**		26.4	J+	6.07	J+	0.0985		0.0563		0.642		0.470		4.00		3.60		**0.0015**		**0.0015**		**0.0038**		**0.003835**	
Mean	0.0023		0.0023		206		17.3		0.121		0.0460		2.35		0.547		5.80		3.68		0.0090		0.0065		0.5000		0.5	
Median	0.0013		0.0013		45.0		14.1		0.0690		0.0385		0.880		0.534		4.20		3.71		0.0080		0.0075		0.7500		0.75	
St. Deviation	0.0019		0.0017		357		15		0.145		0.0119		2.98		0.057		3.9		0.47		0.008		0.0025		0.39		0.39	
# of values	6		6		6		6		6		6		6		6		6		6		6		6		6		6	
Minimum	0.0013		0.0013		22.5		6.07		0.0385		0.0385		0.511		0.470		3.33		3.09		0.0015		0.0015		0.00155		0.00155	
Maximum	0.0061		0.0050		925		46.7		0.411		0.0654		8.11		0.632		13.5		4.41		0.0251		0.0075		0.75		0.75	
% of values undetected	83%		67%				17%		67%		67%										83%		100%		100%		100%	
# of values between MDL and MRL			1				2														1							
Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
% of CALC exceedences	0%		0%		33%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
GS14B																												
Sample Date																												
07/23/04	0.0066		0.0077		613		**12.5**	U	0.519		**0.0385**		0.914		**0.125**		6.95		2.20		**0.0159**	J	**0.0075**		**0.750**		**0.750**	
08/17/04	**0.0013**		**0.0013**		36.7	J+	**12.5**	U	**0.0385**		**0.0385**		**0.125**		**0.125**		2.04	J+	1.88	J+	**0.0075**		**0.0075**		**0.750**		**0.750**	
09/22/04	**0.0025**	U	**0.0013**		644		28.7		**0.0385**		**0.0385**		0.784		**0.125**		5.15		1.66		**0.0152**	J	**0.0075**		**0.750**		**0.750**	
10/17/04	0.0058		**0.0030**	J	42.1		**23.3**	J	**0.0385**		**0.0385**		**0.408**	J	**0.125**		1.57		1.40		**0.0075**		**0.0075**		**0.750**		**0.750**	
02/17/05	**0.0013**		**0.0013**		42.0	J+	7.76	J+	0.335		0.279	J+	7.06		5.85		1.65		1.33		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
04/03/05	**0.0013**		**0.0013**		20.8	J+	6.42	J+	0.0216		0.0287		0.160		0.162		1.81		1.48		**0.0015**		**0.0015**		**0.0038**		**0.0038**	
05/04/05	**0.0013**		**0.0013**		87.4		9.96	J+	0.0895		0.0568		0.294		0.188		2.90		1.78		**0.0040**	J	**0.0015**		**0.0038**		**0.0038**	
06/15/05	**0.0013**		**0.0013**		17.9		7.03		0.026	J+	0.0288	J+	**0.125**		**0.125**		1.63		1.50		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
07/15/05	**0.0013**		**0.0013**		24.5	J+	11.5	J+	0.022	J+	0.0214	J+	**0.125**		**0.125**		1.66	J+	1.42	J+	**0.0075**		**0.0075**		**0.0016**		**0.0016**	
08/10/05	**0.0013**		**0.0013**		23.2	J+	9.43	J+	0.026		0.0192		**0.125**		**0.125**		1.65		1.57		**0.0075**		**0.0075**		**0.0050**	U	**0.0016**	
09/09/05	**0.0013**		**0.0013**		867		43.8	J+	0.0324		0.0278		1.27		**0.125**		7.32		1.91		0.0406		**0.0075**		**0.0016**		**0.0016**	
10/06/05	**0.0013**		**0.0034**	J	53.1		20	J+	0.0222		0.019		**0.125**		**0.125**		1.8		1.57		**0.0075**		**0.0075**		**0.0050**	U	**0.0016**	
Mean	0.0022		0.0021		206		16.1		0.101		0.053		0.960		0.610		3.01		1.64		0.011		0.0065		0.25		0.25	
Median	0.0013		0.0013		42.0		12.0		0.035		0.034		0.230		0.130		1.81		1.57		0.0080		0.0075		0.0000		0.0030	
St. Deviation	0.0019		0.0019		309		11.2		0.158		0.072		1.96		1.65		2.17		0.26		0.01		0.0023		0.37		0.368	
# of values	12		12		12		12		12		12		12		12		12		12		12		12		12		12	
Minimum	0.0013		0.0013		17.9		6.42		0.0216		0.019		0.125		0.125		1.57		1.33		0.0015		0.0015		0.0016		0.0016	
Maximum	0.0066		0.0077		867		43.8		0.519		0.279		7.06		5.85		7.32		2.20		0.0406		0.0075		0.75		0.750	
% of values undetected	83%		75%				17%		25%		33%		42%		75%						67%		100%		100%		100%	
# of values between MDL and MRL			2				1						1								3							
Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
% of CALC exceedences	0%		8%		33%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS14A															
	Sample Date														
	07/20/04	**3.10** J	**1.55**	0.104	**0.0404** J	7190	6800	0.322	**0.050**	**0.0713** J	**0.0501** J	2.00	0.804	255	**17.4** J
	08/17/04	**5.00** U	**1.55**	**0.0155**	**0.0155**	7820	7730	**0.050**	**0.100** U	**0.0404** J	**0.0155**	0.276 J+	0.327 J+	50.6 J+	**10.0** U
	09/22/04	**1.55**	**1.55**	**0.0314** J	**0.0155**	6810	6340	0.687	0.274	0.367	**0.0495** J	1.12	0.478	2110	192
	10/17/04	**1.55**	**1.55**	**0.0155**	**0.0155**	5170	5340	0.221	0.218	**0.0529** J	**0.0407** J	1.37	0.395	73.6	35.4
	02/18/05	**1.55**	**1.55**	**0.0078**	**0.0078**	6850	6900	0.228 J	J	0.0276 J	J	0.301 J+	0.164 J+	64.5 J+	29.9 J+
	03/31/05	2.18 J+	1.94 J+	**0.0168** J	**0.0159** J	7680	6870	**0.171** J	**0.088** J	0.0833	**0.0286** J	0.773 J+	0.558 J+	47.2	10.3
	Mean	2.49	1.62	0.032	0.018	6920	6660	0.28	0.146	0.107	0.0369	0.970	0.454	430	49.0
	Median	1.87	1.55	0.016	0.016	7020	6840	0.23	0.10	0.0620	0.0407	0.950	0.437	70.0	24.0
	St. Deviation	1.37	0.16	0.036	0.0112	950	790	0.218	0.095	0.129	0.0148	0.67	0.218	830	71
	# of values	6	6	6	6	6	6	6	5	6	5	6	6	6	6
	Minimum	1.55	1.55	0.00775	0.0078	5170	5340	0.050	0.050	0.0276	0.0155	0.276	0.164	47.2	10.0
	Maximum	5.00	1.94	0.104	0.0404	7820	7730	0.687	0.274	0.367	0.0501	2.00	0.804	2110	192
	% of values undetected	67%	83%	50%	67%			17%	40%		20%				17%
	# of values between MDL and MRL	1		2	2			1	1	3	4				1
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.074	0.072	NA	NA	10.98	10.56	NA	NA	2.083	2.000	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS14B															
	Sample Date														
	07/23/04	**1.55**	**1.55**	**0.0155**	**0.0155**	6790	6260	0.360	**0.050**	0.176	**0.0320** J	0.921	0.534	810	24.0
	08/17/04	**1.55**	**1.55**	**0.0155**	**0.0155**	7070	7270	**0.050**	**0.100** U	**0.0351** J	**0.0323** J	0.370 J+	0.345 J+	51.2 J+	**10.0** U
	09/22/04	**1.55**	**1.55**	**0.0155**	**0.0155**	6870	5990	0.456	0.201	0.216	**0.0155**	0.915	0.281	999	80.4
	10/17/04	**1.55**	**1.55**	**0.0155**	**0.0155**	5230	5460	1.43	**0.182** J	0.114	**0.0696** J	0.907	0.585	88.9	44.0
	02/17/05	**1.55**	**1.55**	**0.0078**	**0.0078**	6660	6590	**0.100** U	0.227 J+	0.0468 J	J	0.255 J	J	86.3 J+	22.6 J+
	04/03/05	1.57 J+	1.94 J+	**0.0197** J	0.0242	5580	6030	**0.036**	**0.036**	**0.0048**	**0.022** J	0.222 J	J	34.3	12.2
	05/04/05	1.73 J	J	**0.0100** U	**0.0031**	6570	5830	**0.036**	**0.036**	0.0463	**0.0150** U	0.305 J+	0.371 J+	181	57.9
	06/15/05	**1.55**	**1.55**	**0.0078**	**0.0078**	7560	7130	0.243	0.256	0.0162	0.0158	0.359 J+	0.23 J+	55.2	**15.8** J
	07/15/05	**3.70** J	**1.55**	**0.0078**	**0.0078**	6900	6390	0.262 J+	0.305 J+	**0.0082** J	**0.0034** J	0.35 J	J	81.5	37.0
	08/10/05	**1.55**	**5.00** U	**0.0078**	**0.0078**	7320	7350	0.236	**0.145** J	0.0404 J	J	0.321 J+	0.271 J+	67.1	**19.2** J
	09/09/05	U		**0.0078**	**0.0078**	6080	5730	1.25 J+	0.993 J+	0.391	0.0668 J+	1.36 J+	0.487 J+	1730	105
	10/06/05	**1.55**	**1.55**	**0.0078**	**0.0078**	5770	5050	0.458 J+	**0.031**	0.0420 J+	0.0498 J+	0.331 J+	0.299 J+	116	38.9
	Mean	2	1.93	0.012	0.011	6530	6260	0.41	0.21	0.10	0.0322	0.550	0.378	360	39.0
	Median	1.55	1.55	0.0089	0.0078	6730	6150	0.25	0.16	0.04	0.027	0.350	0.345	90.0	31.0
	St. Deviation	1	1.08	0.0045	0.0059	720	730	0.46	0.263	0.115	0.0228	0.37	0.127	540	29
	# of values	11	10	12	12	12	12	12	12	12	10	12	9	12	12
	Minimum	1.55	1.55	0.00775	0.0031	5230	5050	0.036	0.031	0.00476	0.0034	0.222	0.230	34.3	10.0
	Maximum	3.70	5.00	0.0197	0.0242	7560	7350	1.43	0.993	0.391	0.0696	1.36	0.585	1730	105
	% of values undetected	75%	100%	92%	92%			33%	42%	8%	20%				8%
	# of values between MDL and MRL	1		1					2	2	5				2
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.076	0.074	NA	NA	10.98	10.56	NA	NA	2.142	2.056	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS14A														
	Sample Date													
	07/20/04	0.541	**0.187** J	1040	1010	18.6	2.26	0.0011 J-	**0.627** J	**0.778** J	0.322	0.411	257	205
	08/17/04	**0.050**	**0.100** U	1060	1070	5.63	3.02	0.0011 J-	**0.837** J	**0.821** J	0.252 J	J	254	245
	09/22/04	1.06	0.330	1100	1020	156	9.03	0.0063	**0.422** J	**0.448** J	0.503	0.330	655 J+	610 J+
	10/17/04	**0.184** J	**0.117** J	715	736	4.87	2.51	0.0017	**0.545** J	**0.517** J	0.224	0.290	172	180
	02/18/05	**0.050** U	0.139 J+	1060	1120	3.23 J+	0.835 J+	**0.0005** U	0.777	0.763	0.444 J+	0.519 J+	214	226
	03/31/05	0.156 J	J	1260	1120	2.51	0.904	**0.00015**	1.08 J+	0.768	0.173 J	J	216	241
	Mean	0.34	0.175	1040	1010	32.0	3.09	0.0018	0.710	0.683	0.320	0.388	295	285
	Median	0.17	0.139	1060	1050	5.00	2.39	0.0011	0.700	0.766	0.287	0.371	235	234
	St. Deviation	0.4	0.093	180	140	61	3.04	0.0023	0.23	0.158	0.13	0.101	179	161
	# of values	6	5	6	6	6	6	6	6	6	6	4	6	6
	Minimum	0.050	0.100	715	736	2.51	0.835	0.00015	0.422	0.448	0.173	0.290	172	180
	Maximum	1.06	0.330	1260	1120	156	9.03	0.0063	1.08	0.821	0.503	0.519	655	610
	% of values undetected	33%	20%					33%						
	# of values between MDL and MRL	1	2						4	4				
	Chronic Aquatic Life Criteria (CALC)[1]	0.341	0.357	NA	NA	NA	NA	0.012	NA	NA	11.82	11.79	NA	NA
	Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%
GS14B														
	Sample Date													
	07/23/04	0.272	**0.160** J	1310	1060	36.9	2.94	0.0024	**0.582** J	**0.585** J	0.360	0.327	321	259
	08/17/04	**0.050**	**0.100** U	1210	1270	5.27	4.32	0.0024 J-	**0.470** J	**0.531** J	0.271	0.311	312	328
	09/22/04	0.365	**0.100** U	1340	1190	61.1	6.63	0.0041	**0.155**	**0.395** J	0.389	0.302	535 J+	430 J+
	10/17/04	**0.050**	**0.119** J	982	973	3.69	2.48	**0.0005** U	**0.511** J	**0.478** J	0.239	0.349	185	198
	02/17/05	**0.050** U	0.130 J+	1260	1260	4.45	1.81 J+	**0.0005** U	0.620	0.593	0.454 J+	0.489 J+	207	210
	04/03/05	0.093 J	J	1120	1230	1.61	0.898	**0.00015**	0.270 J	J	0.094 J	J	180	202
	05/04/05	**0.035** U	J	1020	929	6.56	1.21 J+	**0.00015**	0.478	0.350	0.114 J	J	323	345
	06/15/05	**0.016**	**0.050** U	1310	1240	2.64	1.42	**0.00045**	0.525	0.455	0.370	0.460	218	212
	07/15/05	**0.016**	0.102 J+	1290	1180	2.92 J+	1.65 J+	**0.00045**	0.521	0.485	0.296 J+	0.370 J+	204 J+	193 J+
	08/10/05	**0.016**	J	1230	1260	3.64	2.13	**0.00045**	0.512	0.551	0.305 J	J	208	208
	09/09/05	0.419 J+	0.198 J+	1090	1000	85.7	3.80	0.00658	0.334	0.354	0.634	0.557	378 J+	348 J+
	10/06/05	**0.050** U	J	1030	950	4.15	1.75	**0.00045**	0.362	0.418	0.266 J	J	247	210
	Mean	0.12	0.12	1180	1130	18.2	2.59	0.00155	0.445	0.472	0.316	0.396	277	262
	Median	0.050	0.11	1220	1190	4.30	1.97	0.00047	0.495	0.478	0.301	0.360	233	211
	St. Deviation	0.145	0.044	130	140	28	1.64	0.00201	0.137	0.087	0.145	0.094	104	80
	# of values	12	8	12	12	12	12	12	12	11	12	8	12	12
	Minimum	0.016	0.050	982	929	1.61	0.898	0.00015	0.155	0.350	0.094	0.302	180	193
	Maximum	0.419	0.198	1340	1270	85.7	6.63	0.00658	0.620	0.593	0.634	0.557	535	430
	% of values undetected	67%	38%					67%	8%					
	# of values between MDL and MRL		2						3	4				
	Chronic Aquatic Life Criteria (CALC)[1]	0.355	0.370	NA	NA	NA	NA	0.012	NA	NA	12.15	12.12	NA	NA
	Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS14A																
	Sample Date															
	07/20/04	**0.155**	**0.155**	5660	**0.0031**	**0.0031**	2260	2280	**0.0125**	**0.0125**	**0.155**	**0.155**	0.720	**0.392** J	8.23	2.18
	08/17/04	**0.155**	**0.155**	5550	**0.0031**	**0.0031**	2360	2340	**0.0125**	**0.0125**	**0.500** UJ	**0.500** UJ	0.500	**0.354** J	**0.75** U	**0.75** U
	09/22/04	**0.155**	**0.155**	4890	**0.0031**	**0.0031**	2160	2130	**0.0125**	**0.0125**	**0.155**	**0.155**	3.22	0.471	6.46 J+	2.22 J+
	10/17/04	**0.155**	**0.155**	5010	**0.0031**	**0.0031**	1740	1800	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.336** J	3.93	2.5
	02/18/05	**0.0775**	**0.188** J	5870	**0.0031**	**0.0031**	2340 J+	2460 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.75** U	2.08 J+
	03/31/05	0.112	**0.0360** J	5930	**0.0014**	**0.0014**	2390 J+	2250 J+	**0.0021**	**0.0021**	**0.0662** J	**0.0302**	0.326	0.212	2.71 J+	2.92 J+
	Mean	0.135	0.141	5490	0.0028	0.0028	2210	2210	0.0092	0.0092	0.18	0.17	0.800	0.311	3.8	2.1
	Median	0.155	0.155	5610	0.0031	0.0031	2300	2270	0.0125	0.0125	0.16	0.16	0.400	0.345	3.3	2.2
	St. Deviation	0.033	0.053	440	0.0007	0.0007	240	230	0.0051	0.0051	0.167	0.172	1.2	0.133	3.05	0.73
	# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Minimum	0.0775	0.0360	4890	0.0014	0.0014	1740	1800	0.0021	0.0021	0.031	0.0302	0.100	0.100	0.75	0.75
	Maximum	0.155	0.188	5930	0.0031	0.0031	2390	2460	0.0125	0.0125	0.500	0.500	3.22	0.471	8.23	2.92
	% of values undetected	83%	67%		100%	100%			100%	100%	83%	100%	33%	17%	33%	17%
	# of values between MDL and MRL		2								1			3		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.199	0.169	NA	NA	NA	NA	NA	NA	NA	NA	27.10	26.72
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS14B																
	Sample Date															
	07/23/04	**0.155**	**0.155**	6290	**0.0031**	**0.0031**	2750	2650	**0.0125**	**0.0125**	**0.155**	**0.155**	1.60	**0.351** J	2.85	2.61
	08/17/04	**0.155**	**0.155**	6170	**0.0031**	**0.0031**	2550	2620	**0.0125**	**0.0125**	UJ	**0.500** UJ	0.423	0.449	1.67 J+	1.60 J+
	09/22/04	**0.155**	**0.155**	6060	**0.0031**	**0.0031**	3070	2990	**0.0125**	**0.0125**	**0.155**	**0.155**	1.81	**0.200** U	4.29 J+	2.18 J+
	10/17/04	**0.155**	**0.155**	5770	**0.0031**	**0.0031**	2130	2090	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.83	1.82
	02/17/05	**0.0775**	**0.0775**	6010	**0.0031**	**0.0031**	2640 J+	2820 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	3.00 J+	4.32 J+
	04/03/05	**0.0143**	**0.0390** J	5680	**0.0014**	**0.0014**	3340 J	J	**0.0021**	**0.0098** J	0.325	**0.0302**	0.212	0.175	1.22 J	J
	05/04/05	**0.0528** J	**0.0415** J	5080	0.0348	0.0138	1990	1830	**0.0021**	**0.0021**	**0.080** J	**0.0302**	0.400	0.235	2.20 J+	2.06 J+
	06/15/05	**0.0775**	**0.0775**	5280	**0.0031**	**0.0031**	2720	2580	**0.0031**	**0.0031**	**0.031**	**0.031**	0.624	0.604	**0.75** U	J
	07/15/05	**0.0775**	**0.0775**	5400	**0.0031**	**0.0031**	2730 J+	2530 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	8.05 J	J
	08/10/05	**0.0775**	**0.0775**	5870	**0.0031**	**0.0031**	2500	2620	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.100**	**0.100**	**0.75** U	**0.75** U
	09/09/05	**0.186** J	**0.0775**	5530	**0.0031**	**0.0031**	1950	2110	**0.0031**	**0.0031**	**0.031**	**0.031**	2.43	**0.100**	4.07 J+	3.35 J+
	10/06/05	**0.0775**	**0.0775**	6570	**0.0031**	**0.0031**	2270	2060	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.381** J	0.741	**0.75** U	**0.75** U
	Mean	0.105	0.097	5810	0.0060	0.0040	2550	2450	0.0060	0.0070	0	0.10	0.690	0.273	2.6	2.16
	Median	0.0780	0.0780	5820	0.0030	0.0030	2600	2580	0.0030	0.0030	0.031	0.030	0.390	0.188	2.0	2.06
	St. Deviation	0.053	0.045	440	0.009	0.003	420	360	0.005	0.005	0	0.14	0.8	0.218	2.1	1.16
	# of values	12	12	12	12	12	12	11	12	12	11	12	12	12	12	9
	Minimum	0.0143	0.0390	5080	0.0014	0.0014	1950	1830	0.0021	0.0021	0.031	0.0302	0.100	0.100	0.75	0.75
	Maximum	0.186	0.155	6570	0.0348	0.0138	3340	2990	0.0125	0.0125	0.325	0.500	2.43	0.741	8.05	4.32
	% of values undetected	83%	83%		92%	92%			100%	92%	83%	100%	33%	50%	25%	22%
	# of values between MDL and MRL	2	2							1	1		1	1		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.210	0.178	NA	NA	NA	NA	NA	NA	NA	NA	27.85	27.46
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+Nitrite (as N)	Ammonia (as N)[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	Total/Dissolved														
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GS17A															
	Sample Date														
	07/20/04	24.5	6.32	10.3	70	1.5	**1.57**	22	**0.64** J	**0.0155**	**0.0155**		0.944	**0.035** J	6.49
	08/17/04	26.0	6.4	8.8	53.8	2.7	**3.6** J	22	**0.58** J	**0.0155**	**0.0155**		0.995	**0.049** J	6.48
	08/20/04			7.1											
	09/21/04	28.9	6.44	3	23.8	1.7	**1.57**	25.5	R	**0.055** J	**0.0400** J		1.07	**0.0155**	7.21
	10/17/04	27.9	6.9	3.31	62.5	**0.4**	**4.2** J	25	**0.82** J	**0.0155**	**0.0155**		0.999	**0.050** UJ	10.5
	02/18/05	30.5	6.94	3.05	45	**0.075**	**4.0** J	24.5	1.93	**0.050** U	0.0279 J		1.13	**0.0155**	6.43
	03/31/05	34.5	7.19	3.09	50	0.83	**3.2** J	27	1.15	**0.050** U	0.0529		1.26	**0.0155**	5.80
	05/05/05	28.8	7.15	8.64	40	1	**3.13** J	23	0.96	**0.0155**	0.0098		0.863	**0.0155**	5.07
	06/15/05	28.9	7.18	6.13	30	0.5	**2.5** J	22	0.769	**0.0155**	0.0149		0.880	**0.0155**	6.99
	07/16/05	28.3	7.05	9.91	45	1.7	**2.5** J	23	0.748	**0.0155**	0.0795		0.818	**0.0155**	6.51
	08/08/05	28.7	6.61	5.91	18.8	**0.15**	**3.0** J	23	0.642	**0.0155**	**0.0071** J		0.847	**0.0155**	6.73
	09/08/05	27.7	7.07	5.78	45	2.2	**3.5** J	21.5	0.634	**0.0155**	**0.0071** J		0.678	**0.0155**	6.72
	10/05/05	34.1	6		47.5	0.9	**3.25** J	30	0.791	**0.0155**	**0.0085** J		0.897	**0.050** U	6.22
	Mean	29.1	6.77	6.25	44	1.1	3.0	24	0.88	0.025	0.025	NA	0.950	0.026	6.80
	Median	28.8	6.92	6.02	45	1.0	3.2	23	0.769	0.016	0.016	NA	0.920	0.016	6.50
	St. Deviation	2.9	0.40	2.74	15	0.8	0.8	3	0.39	0.016	0.0224	NA	0.16	0.016	1.3
	# of values	12	12	12	12	12	12	12	11	12	12	0	12	12	12
	Minimum	24.5	6	3	18.8	0.075	1.57	21.5	0.58	0.0155	0.0071	NA	0.678	0.016	5.07
	Maximum	34.5	7.19	10.3	70	2.7	4.2	30	1.93	0.055	0.0795	NA	1.26	0.05	10.5
	% of values undetected					17%	17%			92%	25%			83%	
	# of values between MDL and MRL					1	10		3	1	4			2	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	6.88	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%
GS18A															
	Sample Date														
	07/20/04	30.5	6.20	9.5	109	5.7	**1.57**	17.5	**0.45** J	**0.0155**	**0.0155**		0.855	**0.049** J	22.5
	08/16/04	32.4	5.5	13.4	72.5	2.7	**3.2** J	13.5	**0.155**	**0.0155**	**0.0554** J		0.818	**0.016**	22.5
	09/21/04	33.6	6.06	5.7	48.8	3.4	**1.57**	14.5	**0.83** J	**0.051** J	**0.0400** J		1.15	**0.016**	22.8
	10/17/04	29.7	7.2	5	58.8	2.6	**1.57**	12	1.12	**0.0155**	**0.0155**		1.10	**0.050** UJ	59.1
	02/18/05	34.2	6.48	2.56	35.0	1.9	**4.1** J	11	2.07	**0.0155**	0.0200 J		0.875	**0.016**	25.8
	03/30/05	40.3	8.42	1	70.0	1.8	**3.5** J	16	0.82	**0.050** U	0.200		0.901	**0.016**	25.7
	Mean	33.5	6.64	6.19	66.0	3.0	2.6	14	0.90	0.027	0.0600	NA	0.950	0.027	29.7
	Median	33.0	6.34	5.35	64.0	2.7	2.4	14	0.80	0.016	0.0300	NA	0.890	0.016	24.3
	St. Deviation	3.8	1.03	4.58	25	1.4	1.1	2	0.7	0.018	0.07	NA	0.14	0.0176	14.5
	# of values	6	6	6	6	6	6	6	6	6	6	0	6	6	6
	Minimum	29.7	5.5	1	35.0	1.8	1.57	11	0.155	0.0155	0.0155	NA	0.818	0.016	22.5
	Maximum	40.3	8.42	13.4	109	5.7	4.1	17.5	2.07	0.051	0.200	NA	1.15	0.05	59.1
	% of values undetected						50%		17%	83%	33%			83%	
	# of values between MDL and MRL						3		2	1	2			1	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.03	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	67%	0%	0%	0%	0%	100%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth	
Total/Dissolved			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location / Units	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS17A														
Sample Date														
07/20/04	**0.0013**	**0.0013**	19.1 J	11.7 J	0.210 J+	**0.100** U	**0.125**	**0.125**	4.12	3.77	**0.0075**	**0.0075**	**0.750**	**0.750**
08/17/04	**0.0013**	**0.0013**	68.1 J+		**0.0385**		**0.125**		4.23 J+		**0.0075**		**0.750**	
08/20/04				**12.5** U		**0.0385**		**0.125**		3.82 J+		**0.0075**		**0.750**
09/21/04	**0.0025** U	**0.0013**	37.2	**12.5** U	**0.0385**	**0.0385**	**0.125**	0.258 J	4.88	4.13	**0.0075**	**0.0075**	**0.750**	**0.750**
10/17/04	0.0061	0.0026 J	**12.5** U	**12.5** U	**0.0385**	**0.0385**	0.272 J	**0.125**	7.13	7.24	**0.0075**	**0.0075**	**0.750**	**0.750**
02/18/05	**0.0013**	**0.0013**	4.86 J+	**1.00** U	0.379	0.0630 J+	7.22	**0.125**	4.42	4.36	**0.0075**	**0.0075**	**0.0016**	**0.0016**
03/31/05	**0.0013**	**0.0013**	12.4 J+	4.11 J+	0.338	0.124	0.254	0.134	5.16	4.83	**0.0015**	**0.0015**	0.0119 J	**0.0038**
05/05/05	**0.0013**	**0.0013**	41.9	4.56 J+	0.0521	0.0618	0.457	0.443	7.94	8.82	**0.0015**	**0.0015**	**0.0038**	**0.0038**
06/15/05	**0.0013**	**0.0013**	10.0	2.72	0.0768 J+	0.0638 J+	**0.125**	**0.125**	5.77	5.95	**0.0075**	**0.0075**	**0.0016**	**0.0016**
07/16/05	**0.0013**	**0.0013**	36.5 J+	3.15 J+	0.0394 J+	0.0438 J+	0.478 J	0.272 J	4.34 J+	4.21 J+	**0.0075**	**0.0075**	**0.0016**	**0.0016**
08/08/05	**0.0013**	**0.0013**	22.9 J+	3.69 J+	0.0640	0.0438	**0.125**	**0.125**	4.26	3.93	**0.0075**	**0.0075**	0.0166 J+	**0.0050** U
09/08/05	**0.0013**	**0.0013**	58.6 J+	6.88 J+	0.0648	0.0582	0.368 J	0.301 J	10.8	10.4	**0.0075**	**0.0075**	**0.0050** U	**0.0016**
10/05/05	**0.0013**	**0.0013**	16.6 J+	5.69 J+	0.0538	0.0540	0.565	**0.125**	7.04	7.12	**0.0075**	**0.0075**	**0.0050** U	**0.0050** U
Mean	0.0018	0.0014	28.4	6.80	0.116	0.0610	0.850	0.190	5.80	5.70	0.0065	0.0065	0.25	0.25
Median	0.0013	0.0013	21.0	5.10	0.0590	0.0560	0.260	0.125	5.00	4.60	0.0075	0.0075	0.01	0
St. Deviation	0.0014	0.0004	20.2	4.4	0.123	0.026	2.01	0.105	2	2.2	0.0023	0.0023	0.37	0.37
# of values	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Minimum	0.0013	0.0013	4.86	1.00	0.0385	0.0385	0.125	0.125	4.12	3.77	0.0015	0.0015	0.0016	0.0016
Maximum	0.0061	0.0026	68.1	12.5	0.379	0.124	7.22	0.443	10.8	10.4	0.0075	0.0075	0.75	0.750
% of values undetected	92%	92%	8%	33%	25%	33%	42%	58%			100%	100%	83%	100%
# of values between MDL and MRL		1	1	1			3	3					1	
Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS18A														
Sample Date														
07/20/04	**0.0013**	0.0050	222	8.56 J	**0.100** UJ	J	0.725	0.272 J	12.7	10.5	**0.0075**	**0.0075**	**0.750**	**0.750**
08/16/04	**0.0013**	**0.0013**	65.8 J+	**12.5** U	**0.0385**	**0.0385**	**0.125**	**0.125**	10.7	11.0	**0.0075**	**0.0075**	**0.750**	**0.750**
09/21/04	**0.0025** U	**0.0013**	54.1	**12.5** U	0.124 J	**0.0385**	0.403 J	0.279 J	11.7	9.87	**0.0075**	**0.0075**	**0.750**	**0.750**
10/17/04	0.0063	**0.0013**	90.8	11.8 J	**0.0385**	**0.0385**	**0.125**	**0.125**	11.8	10.1	**0.0075**	**0.0075**	**0.750**	**0.750**
02/18/05	**0.0013**	**0.0013**	74.9	3.99 J+	0.0732 J+	0.0364 J+	0.398 J	**0.125**	10.6	10.5	**0.0075**	**0.0075**	**0.0050** U	**0.0016**
03/30/05	**0.0013**	**0.0013**	22.8 J+	6.39 J+	0.0382	0.0382	0.394	0.312	10.8	10.7	0.0034 J	**0.0015**	**0.0038**	**0.0038**
Mean	0.0023	0.0019	88.0	9.30	0.0690	0.038	0.362	0.206	11.4	10.4	0.0068	0.0065	0.5	0.50
Median	0.0013	0.0013	70.0	10.2	0.0560	0.0385	0.396	0.199	11.3	10.5	0.0075	0.0075	0.75	0.75
St. Deviation	0.0020	0.0015	69	3.6	0.037	0.0009	0.223	0.09	0.8	0.4	0.0017	0.0025	0.39	0.39
# of values	6	6	6	6	6	5	6	6	6	6	6	6	6	6
Minimum	0.0013	0.0013	22.8	3.99	0.0382	0.0364	0.125	0.125	10.6	9.87	0.0034	0.0015	0.00384	0.0016
Maximum	0.0063	0.0050	222	12.5	0.124	0.0385	0.725	0.312	12.7	11.0	0.0075	0.0075	0.75	0.750
% of values undetected	83%	83%	33%	50%	60%	33%	50%				83%	100%	100%	100%
# of values between MDL and MRL				2	1		2	2			1			
Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
% of CALC exceedences	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS17A															
	Sample Date														
	07/20/04	**1.55**	**1.55**	**0.0604** J	**0.0640** J	8550	8330	**0.161** J	**0.171** J	**0.0155**	**0.0155**	1.04	0.565	**18.0** J	**8.4** J
	08/17/04	**1.55**		**0.0155**		9220		**0.100** U		**0.0483** J		0.365 J+		67.1 J+	
	08/20/04		**1.55**		**0.0155**		8890		0.305		**0.0335** J		0.200 J+		**10.0** U
	09/21/04	**1.55**	**1.55**	**0.0155**	**0.0155**	10200	9180	0.445	0.226	**0.0419** J	**0.0155**	0.368	0.231	45.0	**13.0** J
	10/17/04	**1.55**	**1.55**	**0.0155**	**0.0155**	9620	9470	0.269	**0.185** J	**0.0380** J	**0.0376** J	0.573	0.526	**15.8** J	**3.1**
	02/18/05	**1.55**	**1.55**	**0.0078**	**0.0250** U	10700	11100	0.328 J	J	0.0264 J+	0.0334 J+	0.253 J+	0.169 J+	**10.0** U	22.3 J+
	03/31/05	2.08 J+	2.47 J+	0.0390	0.0291	12000	10500	0.366	**0.102** J	0.0360	0.0396	2.07 J+	1.36 J+	19.0	**4.0** U
	05/05/05	5.45 J+	3.56 J+	**0.0100** U	**0.0100** U	10100	9230	**0.0923** J	**0.0357**	0.0309	**0.0150** U	0.344 J+	0.34 J+	40.8	**6.6** J
	06/15/05	**1.55**	**1.55**	**0.0078**	**0.0250** U	10200	10300	0.237	0.265	0.0214	0.0146	0.248 J+	0.319 J+	**17.6** J	**7.3** J
	07/16/05	**1.55**	**1.55**	**0.0078**	**0.0078**	9860	9860	0.380 J+	0.364 J+	0.0118	**0.0040** J	0.646 J+	0.241 J+	75.8	33.8
	08/08/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	10100	10000	0.239	0.352	0.0412 J+	0.0414 J+	0.347 J+	0.312 J+	47.1	**10.4** J
	09/08/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	9690	9030	0.468 J	J	0.0500 J+	0.0514 J+	0.373 J	J	59.2 J+	21.1
	10/05/05	**1.55**	**1.55**	**0.0078**	**0.0078**	11800	11900	0.461 J+	0.512 J+	0.0448 J+	0.0444 J+	0.360 J+	0.380 J+	30.5	**13.0** J
	Mean	2.49	2.37	0.017	0.019	10200	9800	0.296	0.252	0.034	0.029	0.580	0.42	37.2	13
	Median	1.55	1.55	0.0089	0.016	10100	9700	0.299	0.246	0.037	0.034	0.370	0.319	35.7	10
	St. Deviation	1.61	1.37	0.0163	0.016	1000	1000	0.134	0.139	0.0127	0.0151	0.52	0.34	22.1	8.9
	# of values	12	12	12	12	12	12	12	10	12	12	12	11	12	12
	Minimum	1.55	1.55	0.00775	0.0078	8550	8330	0.092	0.036	0.0118	0.0040	0.248	0.169	10.0	3.1
	Maximum	5.45	5.00	0.0604	0.0640	12000	11900	0.468	0.512	0.0500	0.0514	2.07	1.36	75.8	33.8
	% of values undetected	83%	83%	83%	83%			8%	10%	8%	25%			8%	25%
	# of values between MDL and MRL			1	1			2	3	3	3			3	6
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.098	0.094	NA	NA	10.98	10.56	NA	NA	2.885	2.770	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS18A															
	Sample Date														
	07/20/04	**1.55**	**1.55**	**0.0155**	**0.0480** J	10700	10600	**0.128** J	0.255	**0.0949** J	**0.0485** J	0.405	0.230	418	88.1
	08/16/04	**1.55**	**1.55**	**0.0155**	**0.0155**	11500	12200	**0.100** U	**0.100** U	**0.0649** J	**0.0601** J	0.368 J+	0.449 J+	228 J+	106 J+
	09/21/04	**1.55**	**1.55**	**0.0155**	**0.0155**	11900	10600	0.383	0.211	**0.0717** J	**0.0501** J	0.309	0.255	247	124
	10/17/04	**1.55**	**1.55**	**0.0155**	**0.0155**	10300	9790	0.225	**0.165** J	0.111	**0.0557** J	0.405	0.307	217	63.1
	02/18/05	**1.55**	**1.55**	**0.0078**	**0.0250** U	11900	12600	0.213 J	J	0.0718 J+	0.0640 J+	0.307 J+	0.212 J+	242 J+	120 J+
	03/30/05	1.56 J+	1.68 J+	0.0260	0.0218	14000	12900	**0.134** J	**0.140** J	0.0524	0.0596	0.447 J+	0.266 J+	187	124
	Mean	1.55	1.57	0.016	0.0236	11700	11400	0.197	0.174	0.0780	0.0563	0.374	0.287	257	104
	Median	1.55	1.55	0.0155	0.0187	11700	11400	0.174	0.165	0.0720	0.0577	0.387	0.261	235	113
	St. Deviation	0	0.05	0.0058	0.0126	1300	1300	0.104	0.061	0.021	0.0061	0.057	0.086	82	24
	# of values	6	6	6	6	6	6	6	5	6	6	6	6	6	6
	Minimum	1.55	1.55	0.00775	0.0155	10300	9790	0.100	0.100	0.0524	0.0485	0.307	0.212	187	63.1
	Maximum	1.56	1.68	0.026	0.048	14000	12900	0.383	0.255	0.111	0.0640	0.447	0.449	418	124
	% of values undetected	83%	83%	83%	67%			17%	20%						
	# of values between MDL and MRL				1			2	2	3	4				
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.111	0.106	NA	NA	10.98	10.56	NA	NA	3.325	3.192	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS17A														
	Sample Date													
	07/20/04	0.294	**0.198** J	764	764	2.42	1.94	**0.0005** UJ	**0.464** J	**0.559** J	0.277	0.329	227	193
	08/17/04	**0.050**		725		4.15		**0.0005** UJ	**0.550** J		0.317		229	
	08/20/04		**0.050**		770		2.94			**0.567** J		0.303		242
	09/21/04	**0.100** U	**0.100** U	817	888	5.72	4.59	**0.0005** U	**0.535** J	**0.497** J	0.294	0.433	243 J+	233 J+
	10/17/04	**0.170** J	**0.176** J	953	929	1.66	1.43	**0.0005** U	**0.517** J	**0.504** J	0.285	0.337	190	190
	02/18/05	**0.050** U	0.111 J+	947	1010	0.93 J+	0.921 J+	**0.0005** U	0.570	0.543	0.546 J	J	226	247
	03/31/05	0.200 J+	0.222 J+	1100	993	1.01	0.875	**0.00015**	0.618 J+	0.495	0.512	0.426	252	274
	05/05/05	**0.035** U	J	866	857	1.64 J+	0.563 J+	**0.0025** U	0.365	0.455	**0.0450** U	J	186 J+	192 J+
	06/15/05	**0.016**	0.118 J+	865	897	1.45	1.25	**0.00045**	0.519	0.519	0.464 J	J	225	233
	07/16/05	**0.016**	**0.050** U	902	909	3.15 J+	1.77 J+	**0.00045**	0.543	0.560	0.280 J	J	208 J+	208 J+
	08/08/05	**0.050** U	J	841	834	2.76	2.30	**0.00045**	0.649	0.555	0.413 J	J	211	210
	09/08/05	**0.050** U	0.170 J+	840	811	3.23	1.15	**0.00045**	0.496	0.506	0.426 J	J	205 J+	200 J+
	10/05/05	**0.050** U	**0.050** U	1150	1150	2.64	2.25	**0.00045**	0.396	0.408	0.511 J	J	222	229
	Mean	0.090	0.13	900	900	2.56	1.83	0.0006	0.519	0.514	0.364	0.366	219	221
	Median	0.050	0.12	870	890	2.53	1.60	0.0005	0.527	0.513	0.365	0.337	224	220
	St. Deviation	0.09	0.064	130	110	1.39	1.11	0.0006	0.082	0.048	0.142	0.06	20	26
	# of values	12	10	12	12	12	12	12	12	12	12	5	12	12
	Minimum	0.016	0.050	725	764	0.93	0.563	0.00015	0.365	0.408	0.0450	0.303	186	190
	Maximum	0.294	0.222	1150	1150	5.72	4.59	0.0025	0.649	0.567	0.546	0.433	252	274
	% of values undetected	75%	40%					100%			8%			
	# of values between MDL and MRL	1	2						4	4				
	Chronic Aquatic Life Criteria (CALC)[1]	0.554	0.549	NA	NA	NA	NA	0.012	NA	NA	16.32	16.27	NA	NA
	Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS18A														
	Sample Date													
	07/20/04	0.249	**0.148** J	892	950	9.25	7.16	**0.0005** UJ	**0.488** J	**0.465** J	0.316	0.465	223	196
	08/16/04	**0.100** U	**0.100** U	926	1010	9.72	9.75	0.0019 J	**0.386** J	**0.561** J	0.302 J	J	220	234
	09/21/04	**0.100** U	**0.100** U	949	987	14.3	12.5	0.00100	**0.384** J	**0.361** J	0.365	0.392	308 J+	288 J+
	10/17/04	**0.145** J	**0.104** J	964	866	9.65	7.64	**0.0005** U	**0.355** J	**0.350** J	0.274	0.372	246	229
	02/18/05	0.178 J+	0.126 J+	1100	1150	12.2	11.9	**0.0005** U	0.409	0.401	0.633 J	J	228	243
	03/30/05	0.111 J	J	1290	1160	14.5	14.5	**0.00074** J	0.484 J+	0.388	**0.0450** U	J	214	236
	Mean	0.147	0.116	1020	1020	11.6	10.6	0.0009	0.418	0.421	0.323	0.41	240	238
	Median	0.128	0.104	960	1000	11.0	10.8	0.0006	0.398	0.395	0.309	0.392	226	235
	St. Deviation	0.058	0.021	150	120	2.4	2.9	0.0005	0.056	0.08	0.189	0.049	35	30
	# of values	6	5	6	6	6	6	6	6	6	6	3	6	6
	Minimum	0.100	0.100	892	866	9.25	7.16	0.0005	0.355	0.350	0.0450	0.372	214	196
	Maximum	0.249	0.148	1290	1160	14.5	14.5	0.0019	0.488	0.561	0.633	0.465	308	288
	% of values undetected	33%	40%					50%			17%			
	# of values between MDL and MRL	1	2					1	4	4				
	Chronic Aquatic Life Criteria (CALC)[1]	0.684	0.662	NA	NA	NA	NA	0.012	NA	NA	18.78	18.73	NA	NA
	Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS17A																
	Sample Date															
	07/20/04	**0.155**	**0.155**	3280	**0.0031**	**0.0031**	1520	1470	**0.0125**	**0.0125**	**0.155**	**0.155**	0.324 J	0.325 J	3.67	1.1 J
	08/17/04	**0.155**			**0.0031**		1520 J+		**0.0125**		UJ		0.439		**0.75** U	
	08/20/04		**0.155**	3500		**0.0031**		1540 J+		**0.0125**		**0.155**		**0.125**		**0.75** U
	09/21/04	**0.155**	**0.155**	3620	**0.0031**	**0.0031**	1560	1720	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.87 J+	1.54 J+
	10/17/04	**0.155**	**0.155**	3620	**0.0031**	**0.0031**	1520	1520	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	3.78	4.73
	02/18/05	**0.0775**	0.208 J	3340	**0.0031**	**0.0031**	1750 J+	1810 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	1.97 J+	2.43 J+
	03/31/05	0.109	0.0864 J	3230	**0.0014**	**0.0014**	1720 J+	1630 J+	**0.0021**	0.0060 J	0.0666 J	**0.0302**	0.152	0.109	7.15 J+	6.52 J+
	05/05/05	0.0736 J	0.0700 J	3290	**0.0014**	**0.0014**	1340	1260	**0.0021**	**0.0021**	**0.0302**	**0.0302**	0.221	0.14	**0.50** U	1.69 J+
	06/15/05	**0.0775**	**0.0775**	3130	**0.0031**	**0.0031**	1600 J+	1720 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.41	**0.10**	**0.75** U	J
	07/16/05	**0.0775**	**0.0775**	3110	**0.0031**	**0.0031**	1640 J+	1670 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	13.1 J	J
	08/08/05	**0.0775**	**0.0775**	3240	**0.0031**	**0.0031**	1520	1500	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	1.78 J+	1.61 J+
	09/08/05	0.201 J	**0.0775**	3650	**0.0031**	**0.0031**	1590	1560	**0.0031**	**0.0031**	**0.031**	**0.031**	0.232 J	**0.10**	1.64 J+	1.88 J+
	10/05/05	**0.0775**	**0.0775**	4130	**0.0031**	**0.0031**	1610	1640	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	**0.75** U	J
	Mean	0.116	0.114	3430	0.0028	0.0028	1570	1590	0.0060	0.0060	0.07	0.070	0.202	0.10	3.1	2.47
	Median	0.0930	0.0820	3320	0.0031	0.0031	1580	1600	0.0030	0.0030	0.031	0.030	0.139	0.10	1.8	1.69
	St. Deviation	0.045	0.048	290	0.0006	0.0006	110	150	0.005	0.005	0.06	0.06	0.125	0.1	3.7	1.9
	# of values	12	12	12	12	12	12	12	12	12	11	12	12	12	12	9
	Minimum	0.0736	0.0700	3110	0.0014	0.0014	1340	1260	0.0021	0.0021	0.030	0.0302	0.10	0.10	0.50	0.75
	Maximum	0.201	0.208	4130	0.0031	0.0031	1750	1810	0.0125	0.0125	0.155	0.155	0.439	0.325	13.1	6.52
	% of values undetected	75%	75%		100%	100%			100%	92%	92%	100%	50%	75%	33%	11%
	# of values between MDL and MRL	2	3							1	1		2	1		1
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.382	0.325	NA	NA	NA	NA	NA	NA	NA	NA	37.42	36.90
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS18A																
	Sample Date															
	07/20/04	**0.155**	**0.155**	3800	**0.0031**	**0.0031**	4130	3900	**0.0125**	**0.0125**	**0.155**	**0.155**	0.651	0.275 J	2.90	2.61
	08/16/04	**0.155**	**0.155**	4240	**0.0031**	**0.0031**	1860	2040	**0.0125**	**0.0125**	**0.500** UJ	**0.500** UJ	**0.125**	**0.125**	**0.75** U	1.81 J+
	09/21/04	**0.155**	**0.155**	4460	**0.0031**	**0.0031**	1810	1890	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.73 J+	**0.75** U
	10/17/04	**0.155**	**0.155**	3930	**0.0031**	**0.0031**	1800	1660	**0.0125**	**0.0125**	**0.155**	**0.155**	0.365 J	**0.125**	2.02	1.55
	02/18/05	**0.0775**	0.183 J	3860	**0.0031**	**0.0031**	1970 J+	2040 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	2.89 J+	2.83 J+
	03/30/05	0.0898 J	0.0813 J	4010	**0.0014**	**0.0014**	3180 J+	2540 J+	0.0076 J	**0.0021**	**0.0302**	**0.0302**	0.264	0.13	1.98 J+	2.26 J+
	Mean	0.131	0.147	4050	0.0028	0.0028	2460	2350	0.010	0.0092	0.17	0.17	0.272	0.147	2.1	2.0
	Median	0.155	0.155	3970	0.0031	0.0031	1920	2040	0.013	0.013	0.16	0.16	0.195	0.125	2.0	2.0
	St. Deviation	0.037	0.034	250	0.0007	0.0007	980	810	0.004	0.0051	0.172	0.172	0.212	0.064	0.8	0.76
	# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Minimum	0.0775	0.0813	3800	0.0014	0.0014	1800	1660	0.0031	0.0021	0.030	0.0302	0.10	0.10	0.75	0.75
	Maximum	0.155	0.183	4460	0.0031	0.0031	4130	3900	0.0125	0.0125	0.500	0.500	0.651	0.275	2.90	2.83
	% of values undetected	83%	67%		100%	100%			83%	100%	100%	100%	50%	67%	17%	17%
	# of values between MDL and MRL	1	2						1				1	1		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.509	0.432	NA	NA	NA	NA	NA	NA	NA	NA	43.08	42.47
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+Nitrite (as N)	Ammonia (as N)[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	Total/Dissolved														
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GS20															
	Sample Date														
	07/22/04	22.2	6.26	14.4	48.8	2.3	**1.57**	28.5	**0.37** J	**0.0155**	**0.0155**		0.828	**0.065** J	1.35
	08/20/04	26.3	6.4	13.6	48.8	4.5	**1.57**	33	1.22	**0.0155**	**0.0155**		1.13	**0.086** J	2.04
	09/20/04	20.1	5.75	7.3	58.8	11.2	**1.57**	24.8	**0.77** J	**0.050** U	**0.0155**		2.19	**0.016**	2.12
	10/18/04	16.1	5.8	3	52.5	1.3	**7.5** J	11	1.64	**0.0155**	**0.0155**		1.37	**0.050** UJ	1.96
	02/19/05	17.6	6.17	0.09	32.5	0.5	**3.75** J	23	0.12	**0.0155**	0.0707 J		1.23	**0.036** J	2.17
	04/01/05	19.1	6.76	0.11	47.5	1.5	**2.8** J	26	0.17	**0.0155**	0.0579		1.16	**0.034** J	3.73
	07/16/05	24.8		12.7	48.8	2.5	**2.88** J	28	**0.032** J	**0.068** J	0.122		0.671	**0.032** J	1.04
	08/08/05	25.5		17.56	32.5	1.3	**1.75** J	29.5	**0.063** J-	**0.0155**	**0.0017**		0.839	**0.032** J	1.23
	09/08/05	19.2	7.00	9.95	53.8	**1.3**	**3.25** J	24	**0.05** U	**0.0155**	**0.0110** J		0.890	**0.016**	0.913
	10/06/05	18.5	7.14	6.98	19.0	0.8	**2.63** J	20	**0.047** J	**0.0155**	**0.0085** J		1.12	**0.050** U	1.09
	Mean	20.9	6.41	8.57	44.3	3.0	2.9	25	0.40	0.024	0.0330	NA	1.14	0.042	1.76
	Median	19.7	6.33	8.63	48.8	1.0	2.7	25	0.10	0.016	0.0160	NA	1.13	0.035	1.66
	St. Deviation	3.6	0.52	6.13	12.3	3	1.79	6	0.6	0.0188	0.038	NA	0.43	0.022	0.85
	# of values	10	10	10	10	10	10	10	10	10	10	0	10	10	10
	Minimum	16.1	5.75	0.09	19.0	0.5	1.57	11	0.032	0.0155	0.0017	NA	0.671	0.016	0.913
	Maximum	26.3	7.14	17.56	58.8	11.2	7.5	33	1.64	0.068	0.122	NA	2.19	0.086	3.73
	% of values undetected						30%		10%	90%	50%			40%	
	# of values between MDL and MRL					1	7		5	1	2			6	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.01	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	50%	0%	0%	0%	0%	10%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%
GS20A															
	Sample Date														
	07/20/04	21.9	6.30	22.7	75.0	2.9	**1.57**	26	**0.52** J	**0.0155**	**0.0155**		0.934	**0.057** J	1.4
	08/20/04	27.2	5.6	16	46.3	4.6	**4.6** J	30	**0.60** J	**0.0155**	0.190		0.658	**0.078** J	1.35
	09/21/04	23.9	4.58	4.2	53.8	6.8	**1.57**	27.5	**0.77** J	0.15	**0.090** J		1.65	**0.016**	1.82
	10/14/04	17.5	7	9.9	57.5	3.2	**1.57**	14	**0.40** J	**0.069** J	**0.0155**		1.27	**0.016**	1.23
	02/18/05	23.2	6.22	0.31	50.0	1.1	8.25	24	1.03	**0.050** U	0.0593 J		1.52	**0.034** J	3.24
	03/30/05	26.2	7.32	3.25	47.5	1.7	8.5	26	**0.07** J	**0.050** U	0.0843		1.13	**0.016**	1.87
	Mean	23.3	6.17	9.39	55.0	3.4	4.3	25	1.0	0.060	0.076	NA	1.19	0.036	1.82
	Median	23.6	6.26	7.05	51.9	3.1	3.1	26	1.0	0.050	0.072	NA	1.20	0.025	1.61
	St. Deviation	3.5	0.99	8.58	10.6	2.1	3.34	6	0	0.050	0.065	NA	0.37	0.026	0.74
	# of values	6	6	6	6	6	6	6	6	6	6	0	6	6	6
	Minimum	17.5	4.58	0.31	46.3	1.1	1.57	14	0.07	0.016	0.0155	NA	0.658	0.016	1.23
	Maximum	27.2	7.32	22.7	75.0	6.8	8.5	30	1.03	0.15	0.19	NA	1.65	0.078	3.24
	% of values undetected						50%			67%	33%			50%	
	# of values between MDL and MRL						1		5	1	1			3	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.08	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	67%	0%	0%	0%	0%	17%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%

Parameters	Total Cyanide	Cyanide WAD[5]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth	
Total/Dissolved			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location / Units	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS20														
Sample Date														
07/22/04	**0.0013**	**0.0013**	50.1	**12.5** U	0.611	0.216	1.48	0.967	2.06	1.73	**0.0075**	**0.0075**		**0.750**
08/20/04	**0.0013**	**0.0013**	47.1 J+	**12.5** U	**0.0385**	**0.0385**	1.73	0.924	2.16 J+	1.66 J+	**0.0075**	**0.0075**		**0.750**
09/20/04	**0.0025** U	**0.0013**	166	36.2	**0.196** J	**0.0385**	1.59	0.722	3.48	1.99	**0.0075**	**0.0075**		**0.750**
10/18/04	0.0055	**0.0036** J	62.1	34.0	**0.0385**	**0.0385**	0.875	0.572	1.64	1.30	**0.0075**	**0.0075**		**0.750**
02/19/05	**0.0013**	**0.0013**	19.3 J+	12.6 J+	0.0202 J	J	**0.307** J	0.548	1.60	1.66	**0.0075**	**0.0075**	**0.0016** J	0.548
04/01/05	**0.0013**	**0.0013**	42.8 J+	12.3 J+	0.0473	0.0329	0.704	0.578	2.05	1.61	**0.0015**	**0.0015**	0.0240	**0.0038**
07/16/05	**0.0013**	**0.0013**	45.5 J+	19.4 J+	0.0440 J+	0.0308 J+	1.59	0.997	2.17 J+	1.76 J+	**0.0075**	**0.0075**	**0.0016**	**0.0016**
08/08/05	**0.0013**	**0.0013**	32.3 J+	16.2 J+	0.0234	0.0182	1.40	0.886	1.66	1.45	**0.0075**	**0.0075**	0.0104 J+	**0.0050** U
09/08/05	**0.0013**	**0.0013**	75.1	57.0 J+	0.0392	0.0330	0.813	0.983	2.10	1.86	**0.0075**	**0.0075**	**0.0016**	**0.0016**
10/06/05	**0.0013**	**0.0033** J	47.0	32.5	0.0168	0.0124	0.774	0.673	1.62	1.36	**0.0075**	**0.0075**	0.0102	**0.0016**
Mean	0.0018	0.0017	59.0	24.5	0.107	0.0510	1.13	0.785	2.05	1.64	0.0069	0.0069	0.0082	0.3600
Median	0.0013	0.0013	47.0	17.8	0.0390	0.0330	1.14	0.804	2.06	1.66	0.0075	0.0075	0.0059	0.2800
St. Deviation	0.0014	0.0009	41	15	0.184	0.0626	0.49	0.185	0.56	0.22	0.0019	0.0019	0.0088	0.38
# of values	10	10	10	10	10	9	10	10	10	10	10	10	6	10
Minimum	0.0013	0.0013	19.3	12.3	0.0168	0.0124	0.307	0.548	1.60	1.30	0.0015	0.0015	0.00155	0.00155
Maximum	0.0055	0.0036	166	57.0	0.611	0.216	1.73	0.997	3.48	1.99	0.0075	0.0075	0.024	0.75
% of values undetected	90%	80%		20%	20%	33%					100%	100%	70%	100%
# of values between MDL and MRL		2			1		1							
Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
% of CALC exceedences	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS20A														
Sample Date														
07/20/04	**0.0013**	**0.0013**	49.2	**12.5** U	**0.100** UJ	J	1.31	1.03	2.49	2.19	**0.0075**	**0.0075**	**0.750**	**0.750**
08/20/04	**0.0013**	**0.0013**	38.8 J+	**12.5** U	**0.0779** J	**0.0385**	1.44	1.25	3.07 J+	2.72 J+	**0.0075**	**0.0075**	**0.750**	**0.750**
09/21/04	**0.0025** U	**0.0013**	85.9	**12.5** U	**0.0385**	**0.0385**	1.09	0.557	3.33	2.51	**0.0075**	**0.0075**	**0.750**	**0.750**
10/14/04	**0.0025** U	**0.0025** U	88.1	**23.2** J	**0.0385**	**0.0385**	0.706	**0.324** J	2.66	1.70	**0.0075**	**0.0075**	**0.750**	**0.750**
02/18/05	**0.0013**	**0.0013**	33.1 J+	21.7 J+	0.0510 J+	0.0366 J+	**0.327** J	**0.473** J	2.78	2.82	**0.0075**	**0.0075**	**0.0050** U	**0.0016**
03/30/05	**0.0013**	**0.0013**	27.7 J+	16.7 J+	0.0315	0.0274	0.575	0.414	3.10	2.84	**0.0015**	**0.0015**	**0.0038**	**0.0038**
Mean	0.0017	0.0015	53.8	16.5	0.0560	0.036	0.910	0.670	2.91	2.46	0.0065	0.0065	0.50	0.50
Median	0.0013	0.0013	44.0	14.6	0.0450	0.0385	0.900	0.520	2.93	2.62	0.0075	0.0075	0.75	0.75
St. Deviation	0.00065	0.00051	26.7	4.9	0.027	0.0048	0.44	0.37	0.31	0.45	0.0025	0.0025	0.39	0.39
# of values	6	6	6	6	6	5	6	6	6	6	6	6	6	6
Minimum	0.0013	0.0013	27.7	12.5	0.0315	0.0274	0.327	0.324	2.49	1.70	0.0015	0.0015	0.0038	0.0016
Maximum	0.0025	0.0025	88.1	23.2	0.100	0.0385	1.44	1.25	3.33	2.84	0.0075	0.0075	0.750	0.750
% of values undetected	100%	100%		50%	50%	60%					100%	100%	100%	100%
# of values between MDL and MRL				1	1		1	2						
Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
% of CALC exceedences	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS20															
	Sample Date														
	07/22/04	**1.55**	**1.55**	**0.0155**	**0.0155**	7350	7090	**0.050**	0.159 J	0.0715 J	0.0533 J	0.462 J	J	415	157
	08/20/04	**5.00** U	**1.55**	**0.0155**	**0.0155**	8690	8020	0.308	**0.100** U	0.0771 J	0.059 J	0.556 J+	0.358 J+	481	152 J+
	09/20/04	4.20 J	**1.55**	**0.0155**	**0.0155**	6390	7160	0.220 J		0.145	0.0694 J	0.481	0.302	707	168
	10/18/04	**1.55**	**1.55**	**0.0155**	**0.0155**	5170	4830	0.184 J	0.206	0.0575 J	0.0478 J	0.303	0.243	230	139
	02/19/05	3.20 J	4.80 J	**0.0078**	**0.0078**	5500	6310	0.271 J+	**0.100** U	0.0310 J	J	0.192 J+	0.207 J+	188 J+	112 J+
	04/01/05	2.23 J+	2.57 J+	0.0122 J	0.0131 J	6140 J	7850 J	0.126 J	0.137 J	0.0570	0.0331	0.704 J+	0.202 J+	205	116
	07/16/05	**1.55**	**1.55**	**0.0078**	**0.0078**	8080	7830	0.460 J+	0.525 J+	0.0664	0.0346	0.356 J	J	505	211
	08/08/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	8410	8500	0.249	0.366	0.0754 J+	0.0646 J+	0.249 J+	0.313 J+	406	207
	09/08/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	6210	6380	1.02 J+	0.993 J+	0.0926 J+	0.0812 J+	0.427 J+	0.385 J+	335	213
	10/06/05	**1.55**	**5.00** U	**0.0078**	**0.0078**	5980	5670	0.480 J+	**0.031**	0.0690 J+	0.0686 J+	0.27 J+	0.317 J+	328	215
	Mean	3.1	3.01	0.011	0.011	6790	6960	0.34	0.291	0.0740	0.057	0.400	0.291	380	169
	Median	2.7	2.06	0.010	0.010	6300	7130	0.26	0.159	0.0700	0.059	0.392	0.308	371	163
	St. Deviation	1.6	1.7	0.0039	0.0039	1250	1160	0.27	0.305	0.03	0.016	0.157	0.067	160	40
	# of values	10	10	10	10	10	10	10	9	10	9	10	8	10	10
	Minimum	1.55	1.55	0.00775	0.0078	5170	4830	0.050	0.031	0.0310	0.0331	0.192	0.202	188	112
	Maximum	5.00	5.00	0.0155	0.0155	8690	8500	1.02	0.993	0.145	0.0812	0.704	0.385	707	215
	% of values undetected	70%	80%	90%	90%			10%	33%						
	# of values between MDL and MRL	2	1	1	1			2	2	3	4				
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.072	0.071	NA	NA	10.98	10.56	NA	NA	2.029	1.948	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS20A															
	Sample Date														
	07/20/04	**1.55**	**1.55**	**0.0155**	**0.05** U	7180	6980	0.452	0.156 J	0.0479 J	0.0458 J	0.346 J	J	314	154
	08/20/04	**1.55**	**1.55**	**0.0155**	**0.0155**	8950	8690	0.266	0.329	0.0689 J	0.0542 J	0.300 J+	0.425 J+	364	132 J+
	09/21/04	**1.55**	**1.55**	2.19	**0.0155**	7860	7500	0.396	0.226	0.0761 J	0.0412 J	0.561	0.284	423	90.9
	10/14/04	**1.55**	**1.55**	**0.0155**	**0.0155**	5770	5410	**0.050**	**0.050**	0.155	0.0963 J	1.62	0.736	276	84.9
	02/18/05	**1.55**	**1.55**	**0.0078**	**0.0078**	7510	7620	0.211 J	J	0.0452 J+	0.0512 J+	0.254 J+	0.289 J+	274	141 J+
	03/30/05	1.73 J+	2.10 J+	**0.0031**	0.0100 J	8510	7400	0.119 J	**0.036**	0.0499	0.0587	0.341 J+	0.324 J+	267	131
	Mean	1.58	1.64	0.37	0.019	7630	7270	0.249	0.159	0.0740	0.0579	0.570	0.412	320	122
	Median	1.55	1.55	0.020	0.016	7690	7450	0.239	0.156	0.0590	0.0527	0.340	0.324	295	132
	St. Deviation	0.07	0.22	0.89	0.0155	1120	1070	0.156	0.123	0.042	0.0198	0.52	0.19	62	28
	# of values	6	6	6	6	6	6	6	5	6	6	6	5	6	6
	Minimum	1.55	1.55	0.0031	0.0078	5770	5410	0.050	0.036	0.0452	0.0412	0.254	0.284	267	84.9
	Maximum	1.73	2.10	2.19	0.05	8950	8690	0.452	0.329	0.155	0.0963	1.62	0.736	423	154
	% of values undetected	83%	83%	83%	83%			17%	60%						
	# of values between MDL and MRL				1			1	1	3	4				
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.078	0.076	NA	NA	10.98	10.56	NA	NA	2.216	2.128	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Lead[4]				Magnesium		Manganese		Mercury[7]		Molybdenum		Nickel[4]		Potassium	
	Total/Dissolved	Total		Dissolved		Total	Dissolved	Total	Dissolved	Total		Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L		µg/L		µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS20																	
	Sample Date																
	07/22/04	**0.134**	J	0.336	J	944	915	27.3	18.0	**0.0005**	U	**0.570**	J	**0.563**	J	0.244	0.427	204	206
	08/20/04	**0.100**	U	**0.100**	U	1130	1150	28.2	14.1	0.0018		**0.700**	J	**0.739**	J	0.336	0.441	327	
	09/20/04	0.202		**0.050**		1000	1010	73.6	23.8	0.0022		**0.331**	J	**0.355**	J	0.268	0.291	698 J+	J+
	10/18/04	**0.050**		**0.115**	J	764	738	20.6	15.4	0.0039		**0.155**		**0.155**		**0.196**	J 0.298	211	207
	02/19/05	**0.016**		**0.050**	U	947	964	16.1	14.7	0.00100		0.326		0.347		0.226	J J	234	
	04/01/05	0.180	J+	**0.035**	U	904	1020	J 15.3	12.3	**0.00015**		0.190	J	J		0.234	**0.0450** U	251	275
	07/16/05	**0.050**	U	0.111	J+	1120	1130	32.7	20.7	**0.00045**		0.383		0.348		0.344	J J	216 J+	216 J+
	08/08/05	**0.016**			J	1090	1100	22.6	14.8	**0.00045**		0.473		0.449		0.366	J J	225	239
	09/08/05	**0.050**	U	**0.050**	U	901	927	17.2	11.2	**0.0025**	U	0.257		0.203		0.419	0.434	244 J+	J+
	10/06/05	**0.016**		0.107		867	841	21.6	16.5	0.00133	J	0.218		0.240		0.298	J J	273	260
	Mean	0.080		0.106		970	980	27.5	16.2	0.0014		0.360		0.378		0.293	0.323	288	234
	Median	0.050		0.10		950	990	22.1	15.1	0.0012		0.329		0.348		0.283	0.363	239	228
	St. Deviation	0.07		0.092		120	130	17.1	3.8	0.0012		0.175		0.184		0.072	0.152	148	29
	# of values	10		9		10	10	10	10	10		10		9		10	6	10	6
	Minimum	0.016		0.035		764	738	15.3	11.2	0.00015		0.155		0.155		0.196	0.0450	204	206
	Maximum	0.202		0.336		1130	1150	73.6	23.8	0.0039		0.700		0.739		0.419	0.441	698	275
	% of values undetected	70%		56%						50%		10%		11%			17%		
	# of values between MDL and MRL	1		1						1		3		3		1			
	Chronic Aquatic Life Criteria (CALC)[1]	0.328		0.345		NA	NA	NA	NA	0.012		NA		NA		11.52	11.48	NA	NA
	Drinking Water Standards (DWS)[2]	15		NA		NA	NA	50	NA	2		NA		NA		100	NA	NA	NA
	% of CALC exceedences	0%		0%		0%	0%	0%	0%	0%		0%		0%		0%	0%	0%	0%
	% of DWS exceedences	0%		0%		0%	0%	10%	0%	0%		0%		0%		0%	0%	0%	0%
GS20A																	
	Sample Date																
	07/20/04	**0.050**			J	954	967	22.6	9.77	0.0011	J-	**0.427**	J	**0.629**	J	0.255	0.363	164	165
	08/20/04	**0.050**		**0.100**	U	1180	1170	39.3	16.9	0.0015		**0.580**	J	**0.613**	J	0.289	0.388	210	207
	09/21/04	**0.050**		**0.100**	U	1050	1140	24.2	9.82	0.0016		**0.351**	J	**0.344**	J	0.299	0.391	594 J+	606 J+
	10/14/04	0.213		**0.152**	J	747	711	8.60	2.33	0.00200		**0.155**		**0.155**		0.319	0.282	344	327
	02/18/05	0.388	J+	0.194	J+	1080	1040	33.4	33.2	0.0018		0.268		0.262		0.412	J J	374	374
	03/30/05	**0.035**	U		J	1200	1050	29.7	27.6	0.00054	J	0.288	J+	0.206		0.104	J J	339	331
	Mean	0.10		0.137		1040	1010	26.3	16.6	0.0014		0.345		0.368		0.280	0.356	338	335
	Median	0.10		0.126		1070	1050	27.0	13.4	0.0016		0.320		0.303		0.294	0.376	342	329
	St. Deviation	0.1		0.046		170	170	10.6	11.8	0.0005		0.146		0.206		0.101	0.051	151	155
	# of values	6		4		6	6	6	6	6		6		6		6	4	6	6
	Minimum	0.035		0.100		747	711	8.60	2.33	0.00054		0.155		0.155		0.104	0.282	164	165
	Maximum	0.388		0.194		1200	1170	39.3	33.2	0.002		0.580		0.629		0.412	0.391	594	606
	% of values undetected	67%		50%								17%		17%					
	# of values between MDL and MRL			2						1		3		3					
	Chronic Aquatic Life Criteria (CALC)[1]	0.374		0.387		NA	NA	NA	NA	0.012		NA		NA		12.57	12.53	NA	NA
	Drinking Water Standards (DWS)[2]	15		NA		NA	NA	50	NA	2		NA		NA		100	NA	NA	NA
	% of CALC exceedences	17%		0%		0%	0%	0%	0%	0%		0%		0%		0%	0%	0%	0%
	% of DWS exceedences	0%		0%		0%	0%	0%	0%	0%		0%		0%		0%	0%	0%	0%

	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS20																
	Sample Date															
	07/22/04	**0.155**	**0.155**	4880	**0.0031**	**0.0031**	2730	2640	**0.0125**	**0.0125**	**0.155**	**0.155**	0.616	0.45	**1.35** J	1.62
	08/20/04	**0.155**	**0.155**	5450	**0.0031**	**0.0031**	2900	2830	**0.0125**	J	**0.155**	**0.155**	0.706	0.422	**0.75** U	1.71 J+
	09/20/04	**0.155**	**0.155**	4700	**0.0031**	**0.0031**	2440	2520	**0.0125**	**0.0125**	UJ	**0.155**	1.07	**0.20** U	1.76 J+	**0.75** U
	10/18/04	**0.155**	**0.155**	4830	**0.0031**	**0.0031**	2440	1970	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.359** J	**0.283** J	4.36	1.93
	02/19/05	**0.0775**	**0.0775**	5560	**0.0031**	**0.0031**	2560 J+	2650 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.20** U	**0.10**	**0.75** U	2.56 J+
	04/01/05	**0.0143**	**0.0143**	5070	**0.0050** U	**0.0050** U	2210 J	J	**0.0021**	**0.0021**	0.362	**0.0302**	0.52	0.347	4.56 J+	4.12 J+
	07/16/05	**0.0775**	**0.0775**	4150	**0.0031**	**0.0031**	2790 J+	2830 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.547	**0.31** J	13.8 J	J
	08/08/05	**0.0775**	**0.0775**	4660	**0.0031**	**0.0031**	2640	2800	**0.0031**	**0.0031**	**0.031**	**0.031**	0.555	**0.227** J	**0.75** U	2.41 J+
	09/08/05	**0.157** J	**0.0775**	4790	**0.0031**	**0.0031**	2050	2130	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.236** J	2.26 J	J
	10/06/05	**0.0775**	**0.0775**	4850	**0.0031**	**0.0031**	2380	2220	**0.0031**	**0.0031**	**0.031**	**0.031**	0.414	0.646	1.64 J	J
	Mean	0.110	0.102	4890	0.0033	0.0033	2510	2510	0.0070	0.006	0.1100	0.080	0.51	0.322	3.2	2.16
	Median	0.116	0.0780	4840	0.0031	0.0031	2500	2640	0.0030	0.0031	0.0310	0.030	0.53	0.297	1.7	1.93
	St. Deviation	0.051	0.049	400	0.0006	0.0006	260	330	0.005	0.0048	0.11	0.06	0.27	0.154	4	1.05
	# of values	10	10	10	10	10	10	9	10	9	9	10	10	10	10	7
	Minimum	0.0143	0.0143	4150	0.0031	0.0031	2050	1970	0.0021	0.0021	0.031	0.0302	0.10	0.10	0.75	0.75
	Maximum	0.157	0.155	5560	0.0050	0.0050	2900	2830	0.0125	0.0125	0.362	0.155	1.07	0.646	13.8	4.12
	% of values undetected	90%	100%		100%	100%			100%	100%	90%	100%	20%	20%	30%	14%
	# of values between MDL and MRL	1											1	4	1	
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.188	0.160	NA	NA	NA	NA	NA	NA	NA	NA	26.40	26.03
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS20A																
	Sample Date															
	07/20/04	**0.155**	**0.155**	2970	**0.0031**	**0.0031**	2280	2360	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.363** J	**0.263** J	3.11	1.96
	08/20/04	**0.155**	**0.155**	3780	**0.0031**	**0.0031**	2530	2510	**0.0125**	**0.0125**	**0.155**	**0.155**	0.464	**0.125**	1.68 J+	1.85 J+
	09/21/04	**0.155**	**0.155**	4320	**0.0031**	**0.0031**	2360	2650	**0.0125**	**0.0125**	**0.155**	**0.155**	0.521	**0.125**	1.92 J+	1.77 J+
	10/14/04	**0.155**	**0.155**	3470	**0.0063** J	**0.0031**	1910	1880	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.397** J	**0.125**	2.94	1.90
	02/18/05	**0.0775**	**0.0775**	5800	**0.0031**	**0.0031**	2900 J+	2780 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	**0.75** U	2.50 J+
	03/30/05	**0.0322** J	**0.0143**	4240	**0.0014**	**0.0014**	2340 J+	2230 J+	**0.0050** J	**0.0021**	**0.0302**	**0.0302**	0.192	0.0847	2.56 J+	3.38 J+
	Mean	0.122	0.119	4100	0.0034	0.0028	2390	2400	0.0097	0.0092	0.11	0.11	0.34	0.137	2.2	2.2
	Median	0.155	0.155	4010	0.0031	0.0031	2350	2440	0.013	0.013	0.16	0.16	0.38	0.125	2.2	1.9
	St. Deviation	0.054	0.06	970	0.0016	0.0007	320	320	0.0044	0.0051	0.064	0.064	0.162	0.064	0.89	0.62
	# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Minimum	0.0322	0.0143	2970	0.0014	0.0014	1910	1880	0.0031	0.0021	0.030	0.0302	0.10	0.0847	0.75	1.77
	Maximum	0.155	0.155	5800	0.0063	0.0031	2900	2780	0.0125	0.0125	0.155	0.155	0.521	0.263	3.11	3.38
	% of values undetected	83%	100%		83%	100%			83%	100%	100%	100%	17%	67%	17%	
	# of values between MDL and MRL	1			1				1				2	1		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.225	0.191	NA	NA	NA	NA	NA	NA	NA	NA	28.81	28.41
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+Nitrite (as N)	Ammonia (as N)[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	Total/Dissolved														
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GS23															
	Sample Date														
	07/14/05	2.98	6.73	7.8	**1.6**	**0.2**	**0.79**	**3.75** J	0.110	**0.0155**	0.047		0.525	**0.016**	0.528
	08/09/05	3.59	6.51	7.39	20.0	**0.2**	**0.79**	**4.0** J	0.402	**0.0155**	**0.0057** J		0.582	**0.016**	0.667
	09/09/05	7.36	6.47	7.5	17.5	0.5	**1.63** J	**4.5** J	0.665	**0.050** U	**0.0017**		0.607	**0.016**	4.12
	10/06/05	4.30	5.5	6.13	**7.0**	**0.2**	**4.0** J	**3.5** J	0.294	**0.041** J	**0.0017**		0.718	**0.016**	0.782
	Mean	4.56	6.30	7.21	12	0.3	1.8	3.9	0.368	0.031	0.014	NA	0.608	0.016	1.52
	Median	3.95	6.49	7.45	12	0.2	1.2	3.9	0.348	0.028	0.0040	NA	0.595	0.016	0.720
	St. Deviation	1.94	0.55	0.74	9	0.15	1.52	0.4	0.232	0.018	0.022	NA	0.081	0	1.73
	# of values	4	4	4	4	4	4	4	4	4	4	0	4	4	4
	Minimum	2.98	5.5	6.13	1.6	0.2	0.79	3.5	0.110	0.0155	0.00165	NA	0.525	0.016	0.528
	Maximum	7.36	6.73	7.8	20.0	0.5	4.0	4.5	0.665	0.050	0.047	NA	0.718	0.016	4.12
	% of values undetected				25%		50%			75%	50%			100%	
	# of values between MDL and MRL				1	3	2	4		1	1				
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.03	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	50%	0%	0%	0%	0%	100%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%
GS3A															
	Sample Date														
	08/19/04	6.00	7.7	13.1	**5.0**	0.7	**3.4** J	**6.0** J	**0.155**	0.184	**0.0155**		0.587	**0.016**	1.36
	09/25/04	6.86	6.69	8.5	17.5	1.2	**1.57**	**6.25** J	**0.155**	0.253	**0.0155**		0.810	**0.016**	1.69
	10/19/04	6.56	5.61	4	22.5	1.9	**1.57**	**6.0** J	1.25	**0.0155**	**0.0155**		0.906 J-	**0.050** UJ	1.48
	02/15/05	7.92	5.26	0.12	26.2	**0.2**	**3.2** J	**6.0** J	26.4	**0.050** U	0.0264 J		0.966	**0.016**	1.98
	04/02/05	9.08	6.46	0.17	22.5	**0.075**	**0.79**	**7.0** J	0.56	**0.0155**	0.0486		1.04	**0.016**	2.13
	05/04/05	8.02	7.63	3.46	53.8	2.2	**2.25** J	**5.0** U	0.710	**0.0155**	0.0095		0.954	**0.016**	1.27
	06/14/05	4.89	7.88	5.69	12.5	1.3	**0.79**	**3.5** J	0.211	**0.0155**	**0.0095** J		0.594	**0.016**	1.02
	07/13/05	3.73	7.76	7.62	10.0	3.2	**0.79**	**1.55**	**0.048** J	**0.0155**	0.0605		0.366	**0.037** J	0.606
	08/10/05	5.74	5.84	11.5	13.8	3.3	**3.0** J	**5.0** J	0.193	**0.057** J	0.0200		0.484	**0.016**	1.25
	09/10/05	4.83	5.72	8.66	26.3	6.0	**2.13** J	**4.5** J	0.133	**0.050** U	0.0230		0.450	**0.016**	0.920
	10/07/05	7.21	6.1	5.6	**1.6**	2.9	**2.75** J	**6.0** J	0.336	**0.036** J	**0.0130** J		0.604	**0.016**	1.40
	Mean	6.44	6.60	6.22	19	2.1	2.0	5.2	2.7	0.064	0.0234	NA	0.710	0.021	1.37
	Median	6.56	6.46	5.69	18	1.9	2.1	6.0	0.211	0.036	0.0155	NA	0.604	0.016	1.36
	St. Deviation	1.6	0.98	4.19	14.1	1.7	0.99	1.5	7.9	0.079	0.0165	NA	0.24	0.0117	0.45
	# of values	11	11	11	11	11	11	11	11	11	11	0	11	11	11
	Minimum	3.73	5.26	0.12	1.6	0.075	0.79	1.55	0.048	0.0155	0.0095	NA	0.366	0.016	0.606
	Maximum	9.08	7.88	13.1	53.8	6.0	3.4	7.0	26.4	0.253	0.0605	NA	1.04	0.050	2.13
	% of values undetected				9%	9%	45%	18%	18%	64%	27%			91%	
	# of values between MDL and MRL				1	1	6	9	1	2	2			1	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.05	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	55%	0%	0%	0%	0%	100%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	36%	0%	0%	0%	0%	0%	9%	0%	0%	NA	0%	0%	0%

	Parameters	Total Cyanide	Cyanide WAD[5]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth	
	Total/Dissolved			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS23															
	Sample Date														
	07/14/05	**0.0013**	**0.0013**	13.0 J+	5.00 J+	**0.0050** U	0.0128 J+	**0.125**	**0.125**	0.623 J+	0.600 J+	**0.0075**	**0.0075**	**0.0016**	**0.0016**
	08/09/05	**0.0013**	**0.0013**	28.2 J+	6.46 J+	**0.0016**	**0.0016**	**0.125**	0.348 J	0.777	0.709	**0.0075**	**0.0075**	**0.0050** U	**0.0050** U
	09/09/05	**0.0013**	**0.0013**	33.8 J+	7.06 J+	0.0118	0.0132	**0.125**	**0.125**	2.18	2.02	**0.0075**	**0.0075**	**0.0016**	**0.0016**
	10/06/05	**0.0013**	0.0037 J	7.35 J	J	**0.0050** U	**0.0016**	**0.125**	**0.125**	0.875	0.835	**0.0075**	**0.0075**	**0.0050** U	**0.0016**
	Mean	0.0013	0.0019	20.6	6.17	0.0060	0.0073	0.125	0.181	1.11	1.04	0.0075	0.0075	0.0033	0.002
	Median	0.0013	0.0013	20.6	6.46	0.0050	0.0072	0.125	0.125	0.830	0.770	0.0075	0.0075	0.0033	0.002
	St. Deviation	0	0.0012	12.5	1.06	0.004	0.0066	0	0.112	0.72	0.66	0	0	0.002	0.00173
	# of values	4	4	4	3	4	4	4	4	4	4	4	4	4	4
	Minimum	0.0013	0.0013	7.35	5.00	0.00155	0.0016	0.125	0.125	0.623	0.600	0.0075	0.0075	0.0016	0.0016
	Maximum	0.0013	0.0037	33.8	7.06	0.0118	0.0132	0.125	0.348	2.18	2.02	0.0075	0.0075	0.0050	0.0050
	% of values undetected	100%	75%			75%	50%	100%	75%			100%	100%	100%	100%
	# of values between MDL and MRL		1						1						
	Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
	Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS3A															
	Sample Date														
	08/19/04	**0.0013**	**0.0013**	77.1 J+	**12.5** U	**0.0385**	**0.0385**	**0.125**	**0.125**	7.75	7.14	**0.0075**	**0.0075**	**0.750**	**0.750**
	09/25/04	**0.0013**	**0.0013**	61.5	**12.5** U	**0.0385**	**0.0385**	**0.125**	**0.125**	7.87	7.42	**0.0075**	**0.0075**	**0.750**	**0.750**
	10/19/04	0.0036 J	**0.0013**	141	**12.5** U	**0.0385**	**0.0385**	**0.125**	**0.125**	9.92	7.28	**0.0075**	**0.0075**	**0.750**	**0.750**
	02/15/05	**0.0013**	**0.0013**	12.6 J+	4.25 J+	**0.0050** U	0.0126 J+	**0.125**	**0.125**	8.11	8.20	**0.0075**	**0.0075**	**0.0016**	**0.0016**
	04/02/05	**0.0013**	**0.0013**	10.4 J+	3.50 J+	**0.0041**	**0.0100** U	**0.0200** U	**0.0200** U	10.3	9.64	**0.0015**	**0.0015**	**0.0038**	**0.0038**
	05/04/05	**0.0013**	**0.0013**	84.5	12.9 J+	0.0273	**0.0100** U	0.111	0.0657	9.64	7.44	**0.0015**	**0.0015**	**0.0038**	**0.0038**
	06/14/05	**0.0013**	**0.0013**	55.3	5.50	0.0266 J+	0.0236 J+	**0.125**	**0.125**	6.75	6.04	**0.0075**	**0.0075**	**0.0016**	**0.0016**
	07/13/05	**0.0013**	**0.0013**	138	8.50 J+	0.0346 J+	0.0216 J+	**0.125**	**0.125**	6.10	4.49 J+	**0.0075**	**0.0075**	**0.0016**	**0.0016**
	08/10/05	**0.0013**	**0.0013**	183	5.47 J+	0.0052 J	J	**0.125**	**0.125**	8.06	6.93	**0.0075**	**0.0075**	**0.0050** U	**0.0016**
	09/10/05	**0.0013**	**0.0013**	198	13.8 J+	0.0630	0.0676	**0.125**	**0.125**	8.11	6.12	**0.0075**	**0.0075**	**0.0016**	**0.0016**
	10/07/05	**0.0013**	0.0037 J	90.5	5.12 J+	**0.0016**	J	**0.125**	**0.125**	8.76	7.85	**0.0075**	**0.0075**	**0.0016**	**0.0016**
	Mean	0.0015	0.0015	96.0	8.80	0.026	0.0290	0.114	0.110	8.30	7.14	0.0064	0.0064	0.21	0.21
	Median	0.0013	0.0013	84.5	8.50	0.027	0.0236	0.125	0.125	8.11	7.28	0.0075	0.0075	0.0038	0.0016
	St. Deviation	0.0007	0.0007	63	4.1	0.0197	0.0188	0.032	0.035	1.3	1.32	0.0024	0.0024	0.349	0.349
	# of values	11	11	11	11	11	9	11	11	11	11	11	11	11	11
	Minimum	0.0013	0.0013	10.4	3.50	0.00155	0.0100	0.0200	0.0200	6.10	4.49	0.0015	0.0015	0.0016	0.0016
	Maximum	0.0036	0.0037	198	13.8	0.0630	0.0676	0.125	0.125	10.3	9.64	0.0075	0.0075	0.750	0.750
	% of values undetected	91%	91%		27%	55%	56%	91%	91%			100%	100%	100%	100%
	# of values between MDL and MRL	1	1			1									
	Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
	Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
	% of CALC exceedences	0%	0%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS23															
	Sample Date														
	07/14/05	**1.55**	**3.70** J	**0.0078**	**0.0078**	1030 J+	1020 J+	0.226 J+	0.312 J+	**0.0050** U	**0.0050** U	4.81 J+	3.51 J+	**10.0** U	**10.0** U
	08/09/05	10.1	**5.00** U	**0.0078**	**0.0078**	1240	1160	0.249	0.253	0.0294 J+	0.0270 J+	0.396 J+	0.36 J+	28.4	**8.8** J
	09/09/05	14.0	**5.00** U	**0.0078**	**0.0078**	2540	2540	0.962 J+	0.889 J+	0.0548 J+	0.0554 J+	0.577 J+	0.545 J+	45.3	20.5 J+
	10/06/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	1480	1310	0.330 J+	**0.031**	0.0278 J+	0.0264 J+	0.402 J+	0.263 J+	**13.7** J	**16.6** J
	Mean	8.00	4.70	0.00775	0.0078	1570	1510	0.442	0.37	0.0293	0.0280	1.55	1.17	24.4	14.0
	Median	8.00	5.00	0.00775	0.0078	1360	1240	0.290	0.28	0.0286	0.0270	0.490	0.450	21.1	13.3
	St. Deviation	5	0.7	0	0	670	700	0.35	0.366	0.0204	0.021	2.18	1.56	16.1	5.6
	# of values	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Minimum	1.55	3.70	0.00775	0.0078	1030	1020	0.226	0.031	0.0050	0.0050	0.396	0.263	10.0	8.8
	Maximum	14.0	5.00	0.00775	0.0078	2540	2540	0.962	0.889	0.0548	0.0554	4.81	3.51	45.3	20.5
	% of values undetected	50%	75%	100%	100%				25%	25%	25%			25%	25%
	# of values between MDL and MRL		1											1	2
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.020	0.022	NA	NA	4.972	4.276	NA	NA	0.476	0.457	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS3A															
	Sample Date														
	08/19/04	10.5	**5.00** U	**0.0155**	**0.0155**	2130	2000	**0.100** U	**0.050**	**0.0361** J	**0.0155**	0.787 J+	0.656 J+	71.9 J+	21.4 J+
	09/25/04	**9.00** J	**8.20** J	**0.0155**	**0.0155**	2460	2330	**0.100** U	**0.100** U	**0.0460** J	**0.0155**	0.485	0.346	70.6	33.5
	10/19/04	**1.55**	**1.55**	**0.0155**	**0.0155**	2280 J+	2200 J+	**0.050**	**0.050**	**0.0500** U	**0.0500** U	0.706 J+	0.353 J+	103	**10.0** U
	02/15/05	10.0	11.4	**0.0078**	**0.0078**	2770	2910	0.270 J+	0.263 J+	0.0178 J	J	0.246 J+	0.308 J+	57.4 J+	48.8 J+
	04/02/05	12.6 J+	13.8	**0.0031**	**0.0031**	3220	3390	**0.036**	**0.036**	**0.0196** J	0.0385	0.291 J+	0.312 J+	86.1	67.2
	05/04/05	8.53 J	J	**0.0100** U	**0.0100** U	2830	2630	**0.036**	**0.036**	0.0401	0.0308	0.806 J+	0.618 J+	63.5	14.2
	06/14/05	**4.50** J	**1.55**	**0.0078**	**0.0078**	1720	1700	**0.100** U	0.208	0.0266	**0.0050** U	0.430 J+	0.318 J+	35.3	**7.3** J
	07/13/05	**1.55**	**1.55**	**0.0078**	**0.0078**	1280 J+	1200 J+	0.299 J+	0.318 J+	0.0574	0.0116	1.10 J+	1.09 J+	100	**10.0** U
	08/10/05	10.8	**5.00** U	**0.0078**	**0.0078**	2000	1980	**0.130** J	**0.194** J	0.0756 J+	0.0364 J+	0.879 J+	0.375 J+	134	**15.7** J
	09/10/05	10.0	13.6	**0.0078**	**0.0078**	1660	1640	0.670 J+	0.676 J+	0.0820 J+	0.0522 J+	1.18 J+	0.635 J+	142	25.5 J+
	10/07/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	2530	2270	0.496 J+	**0.031**	0.0482 J+	0.0384 J+	0.601 J+	0.621 J+	98.9	**16.5** J
	Mean	7.60	6.7	0.0096	0.0096	2260	2200	0.21	0.18	0.045	0.029	0.680	0.510	88.0	24.6
	Median	9.00	5.00	0.00775	0.0078	2280	2200	0.10	0.10	0.046	0.034	0.706	0.375	86.1	16.5
	St. Deviation	3.8	4.8	0.0041	0.0041	580	610	0.21	0.194	0.0208	0.0165	0.31	0.24	32	18.6
	# of values	11	10	11	11	11	11	11	11	11	10	11	11	11	11
	Minimum	1.55	1.55	0.0031	0.0031	1280	1200	0.036	0.031	0.0178	0.005	0.246	0.308	35.3	7.3
	Maximum	12.6	13.8	0.0155	0.0155	3220	3390	0.670	0.676	0.0820	0.0522	1.18	1.09	142	67.2
	% of values undetected	27%	60%	100%	100%			55%	55%	9%	20%				18%
	# of values between MDL and MRL	2	1					1	1	3					3
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.026	0.027	NA	NA	6.525	5.611	NA	NA	0.632	0.606	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%	45%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Lead[4]				Magnesium				Manganese				Mercury[7]		Molybdenum				Nickel[4]				Potassium			
	Total/Dissolved	Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location	Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
GS23																											
	Sample Date																										
	07/14/05	**0.016**			J	100		99.7		0.804	J+	0.637	J+	**0.00045**		0.168		0.155		**0.0500**	U		J	146	J+	149	J+
	08/09/05	**0.016**			J	120		116		1.04		0.665		**0.00045**		0.198		0.188		0.131	J		J	184		194	
	09/09/05	**0.050**	U		J	250		244		0.546		**0.100**	U	**0.0025**	U	0.266		0.302		0.169	J		J	352	J+	366	J+
	10/06/05	0.185		**0.016**		147		137		0.846		0.748		**0.00045**		0.151		0.177		0.352		**0.0832**	J	219		180	
	Mean	0.067		0.02		150		149		0.810		0.538		0.00096		0.196		0.206		0.176		0.083		225		222	
	Median	0.033		0.0155		130		127		0.830		0.651		0.00045		0.183		0.183		0.150		0.083		202		187	
	St. Deviation	0.081		NA		70		65		0.2		0.295		0.00103		0.051		0.066		0.128		NA		90		98	
	# of values	4		1		4		4		4		4		4		4		4		4		1		4		4	
	Minimum	0.016		0.016		100		99.7		0.546		0.100		0.0004495		0.151		0.155		0.0500		0.0832		146		149	
	Maximum	0.185		0.0155		250		244		1.04		0.748		0.0025		0.266		0.302		0.352		0.0832		352		366	
	% of values undetected	75%		100%								25%		100%						25%							
	# of values between MDL and MRL																					1					
	Chronic Aquatic Life Criteria (CALC)[1]	0.038		0.049		NA		NA		NA		NA		0.012		NA		NA		2.74		2.73		NA		NA	
	Drinking Water Standards (DWS)[2]	15		NA		NA		NA		50		NA		2		NA		NA		100		NA		NA		NA	
	% of CALC exceedences	50%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
	% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
GS3A																											
	Sample Date																										
	08/19/04	**0.050**		**0.100**	U	163		146		2.81		2.05		0.0017		**0.155**		**0.155**		**0.0310**		**0.100**	U	331		303	
	09/25/04	**0.050**		**0.050**		175		169		3.36		2.86		0.0015		**0.155**		**0.155**		**0.100**	U	**0.100**	U	293	J+	277	J+
	10/19/04	1.20		0.217		210		170		2.91		1.79		0.0017		**0.155**		**0.155**		**0.100**	U	0.236		252		240	
	02/15/05	0.174	J+	0.222	J+	242		248		2.73	J+	2.77	J+	**0.0005**	U	0.134	J		J	0.117	J		J	268		292	
	04/02/05	**0.035**	U		J	252		261		2.95		2.84		**0.0025**	U	**0.017**			J	**0.0450**	U		J	271		288	
	05/04/05	**0.035**	U		J	232		216		1.87		1.14	J+	**0.00015**		0.135		**0.050**	U	0.135		0.224		222	J+	219	J+
	06/14/05	**0.050**	U		J	145		139		1.16		0.684		**0.00045**		0.221		0.082		0.109	J		J	162		173	
	07/13/05	**0.050**	U	0.142	J+	127		96.8		2.67	J+	0.903	J+	**0.00045**		0.106		0.109		0.183	J+	0.282	J+	192	J+	175	J+
	08/10/05	**0.016**			J	178		151		3.76		1.62		**0.00045**		0.138	J		J	0.163	J		J	249		262	
	09/10/05	**0.050**	U		J	167		133		3.57		1.50		**0.0025**	U	0.091	J		J	0.170	J		J	232	J+	238	J+
	10/07/05	**0.016**		**0.050**	U	214		196		2.77		1.88		**0.0031**	J	**0.003**			J	0.153	J		J	255		237	
	Mean	0.20		0.13		191		175		2.78		1.82		0.0014		0.12		0.12		0.119		0.188		248		246	
	Median	0.050		0.12		178		169		2.81		1.79		0.0015		0.14		0.13		0.117		0.224		252		240	
	St. Deviation	0.3		0.077		41		50		0.74		0.76		0.001		0.063		0.045		0.049		0.084		46		44	
	# of values	11		6		11		11		11		11		11		11		6		11		5		11		11	
	Minimum	0.016		0.050		127		96.8		1.16		0.684		0.00015		0.003		0.050		0.0310		0.100		162		173	
	Maximum	1.20		0.222		252		261		3.76		2.86		0.0031		0.221		0.155		0.183		0.282		331		303	
	% of values undetected	82%		33%										64%		45%		67%		36%		40%					
	# of values between MDL and MRL			0										1													
	Chronic Aquatic Life Criteria (CALC)[1]	0.058		0.072		NA		NA		NA		NA		0.012		NA		NA		3.63		3.62		NA		NA	
	Drinking Water Standards (DWS)[2]	15		NA		NA		NA		50		NA		2		NA		NA		100		NA		NA		NA	
	% of CALC exceedences	18%		67%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
	% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS23																
	Sample Date															
	07/14/05	**0.0775**	**0.0775**	1210	**0.0031**	**0.0031**	889 J+	903 J+	**0.0031**	**0.0031**	0.212	**0.031**	**0.10**	0.428	8.47 J+	4.47 J+
	08/09/05	**0.0775**	**0.0775**	1670	**0.0031**	**0.0031**	970	1000	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	0.204 J	1.98 J+	2.19 J+
	09/09/05	**0.0775**	**0.0775**	1860	**0.0031**	**0.0031**	1230	1290	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	**0.75** U	1.61 J+
	10/06/05	**0.0775**	**0.0775**	2160	**0.0031**	**0.0031**	1180	1070	**0.0031**	**0.0031**	**0.031**	**0.031**	0.26 J	J	9.49	**0.75** U
	Mean	0.0775	0.0775	1730	0.0031	0.0031	1070	1070	0.0031	0.0031	0.080	0.031	0.14	0.244	5.2	2.3
	Median	0.0775	0.0775	1770	0.0031	0.0031	1080	1040	0.0031	0.0031	0.030	0.031	0.10	0.204	5.2	1.9
	St. Deviation	0	0	400	0	0	160	160	0	0	0.09	0	0.08	0.168	4.44	1.59
	# of values	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4
	Minimum	0.0775	0.0775	1210	0.0031	0.0031	889	903	0.0031	0.0031	0.031	0.031	0.10	0.10	0.75	0.75
	Maximum	0.0775	0.0775	2160	0.0031	0.0031	1230	1290	0.0031	0.0031	0.212	0.031	0.26	0.428	9.49	4.47
	% of values undetected	100%	100%		100%	100%			100%	100%	75%	100%	75%	33%	25%	25%
	# of values between MDL and MRL												1	1		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.010	0.009	NA	NA	NA	NA	NA	NA	NA	NA	6.26	6.18
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS3A																
	Sample Date															
	08/19/04	**0.155**	**0.155**	2040	**0.0031**	**0.0031**	1050 J+	988 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	0.607	0.318 J	**0.75** U	1.61 J+
	09/25/04	**0.155**	**0.155**	2210	**0.0031**	0.0084 J	1040 J+	1040 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	0.559	0.584	1.95 J+	2.67 J+
	10/19/04	**0.155**	**0.155**	2120 J+	**0.0031**	**0.0031**	1090 J+	1030 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	0.49	**0.20** U	2.48	2.30
	02/15/05	**0.0775**	**0.0775**	2600	**0.0031**	**0.0031**	1210 J+	1330 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	2.08 J+	2.79 J+
	04/02/05	**0.0143**	**0.0143**	2940	**0.0014**	**0.005** U	877 J	J	**0.0021**	**0.0021**	0.421	**0.0302**	0.246	0.205	1.09 J+	1.43 J+
	05/04/05	0.0333 J	**0.0143**	**1215** U	**0.0014**	**0.0014**	978 J+	964 J+	**0.0021**	**0.0021**	0.0804 J	**0.0302**	0.373	0.227	2.91 J	J
	06/14/05	**0.0775**	**0.0775**	1380	**0.0031**	**0.0031**	851 J+	871 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.398 J	0.352 J	**0.75** U	**0.75** U
	07/13/05	**0.0775**	**0.0775**	1050	**0.0031**	**0.0031**	770 J+	714 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.473	0.409	14.6 J+	10.3 J+
	08/10/05	**0.0775**	**0.0775**	1900	**0.0031**	**0.0031**	859	909	**0.0031**	**0.0031**	**0.031**	**0.031**	0.707	0.211 J	**0.75** U	**0.75** U
	09/10/05	**0.0775**	**0.0775**	1840	**0.0031**	**0.0031**	846 J+	903 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.419	0.462	3.99 J+	4.24 J+
	10/07/05	**0.0775**	**0.0775**	2530	**0.0031**	**0.0031**	1090	1050	**0.0031**	**0.0031**	**0.031**	**0.031**	0.441	0.383 J	**0.75** U	J
	Mean	0.0890	0.0870	1980	0.0028	0.0036	970	980	0.0050	0.0050	0.1	0.060	0.438	0.314	2.9	3.0
	Median	0.0775	0.0775	2040	0.0031	0.0031	978	980	0.0031	0.0031	0.031	0.031	0.441	0.318	2.0	2.3
	St. Deviation	0.047	0.05	590	0.0007	0.0018	140	160	0.005	0.005	0.12	0.06	0.166	0.141	4	2.96
	# of values	11	11	11	11	11	11	10	11	11	11	11	11	11	11	9
	Minimum	0.0143	0.0143	1050	0.0014	0.0014	770	714	0.0021	0.0021	0.031	0.0302	0.10	0.10	0.75	0.75
	Maximum	0.155	0.155	2940	0.0031	0.0084	1210	1330	0.0125	0.0125	0.421	0.155	0.707	0.584	14.6	10.3
	% of values undetected	91%	100%	9%	100%	91%			100%	100%	82%	100%	9%	18%	36%	22%
	# of values between MDL and MRL	1				1					1		1	4		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.018	0.015	NA	NA	NA	NA	NA	NA	NA	NA	8.30	8.18
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	11%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity		Alkalinity		Nitrate+Nitrite (as N)		Ammonia (as N)[3]		Total Phosphorus		Ortho-phosphate		Chloride		Fluoride		Sulfate
	Total/Dissolved																						
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L
GS4A																							
	Sample Date																						
	07/31/04	7.13	5.82	13.2	25.0	6.0	**1.57**		**3.5**	J	**0.155**		**0.0155**		**0.0326**	J			0.382		**0.032**	J	5.89
	08/19/04	7.49	5.9	10.6	**6.3**	17.3	**1.57**		**1.55**		**0.155**		**0.0155**		**0.0800**	J			0.309		**0.016**		4.53
	09/25/04	10.2	5.31	3.5	**7.5**	**0.4**	**1.57**		**4.5**	J	**0.92**	J	**0.0155**		**0.0400**	J			0.767		**0.041**	J	9.96
	10/19/04	10.1	5.98	4.2	11.3	2.3	**1.57**		**1.55**		**0.63**	J	**0.0155**		**0.0155**				0.844	J-	**0.050**	UJ	6.86
	02/16/05	13.0	6.43	0.44	36.3	**0.2**	**2.8**	J	**1.55**		1.49		**0.050**	U	0.0600	J			1.22		**0.034**	J	11.4
	04/02/05	12.8	7.42	0.09	33.7	**0.3**	**0.79**		**4.5**	J	0.63		**0.050**	U	0.0614				1.21		**0.044**	J	10.6
	05/04/05	10.9	6.73	5.76	110	1.2	**2.38**	J	**1.55**		1.03		**0.0155**		0.0132				0.856		**0.016**		4.95
	06/14/05	8.96	5.67	6.21	22.5	6.0	**0.79**		**1.55**		0.194		**0.0155**		0.0233				0.550		**0.016**		6.29
	07/15/05	8.42	5.94	9.31	20.0	7.2	**0.79**		**1.55**		0.14		**0.0155**		0.0545				0.356		**0.035**	J	5.51
	08/10/05	8.28	5.50	10.02	22.5	12.6	**0.79**		**1.55**		0.337	J-	**0.0155**		0.0200				0.323		**0.016**		5.86
	09/10/05	11.1	6.08	9.41	22.5	34.8	**1.75**	J	**3.5**	J	0.242		**0.050**	U	0.0380				0.335		**0.050**	U	6.20
	10/07/05	11.3	6.40	6.05	22.0	1.6	**1.63**	J	**6.0**	J	0.478		**0.0155**		**0.0085**	J			0.593		**0.050**	U	10.1
	Mean	10.0	6.10	6.57	28	7.0	1.5		2.7		0.53		0.024		0.0370		NA		0.650		0.033		7.30
	Median	10.2	5.96	6.13	23	4.0	1.57		1.6		0.41		0.016		0.0350		NA		0.570		0.035		6.20
	St. Deviation	1.9	0.58	4.08	27	10	0.65		1.59		0.43		0.0156		0.023		NA		0.33		0.014		2.4
	# of values	12	12	12	12	12	12		12		12		12		12		0		12		12		12
	Minimum	7.13	5.31	0.09	6.3	0.2	0.79		1.55		0.14		0.0155		0.0085		NA		0.309		0.016		4.53
	Maximum	13.0	7.42	13.2	110	34.8	2.8		6		1.49		0.05		0.0800		NA		1.22		0.050		11.4
	% of values undetected						67%		58%		17%		100%		8%						58%		
	# of values between MDL and MRL				2	3	4		5		2				4						5		
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA		>=20		NA		7.05		NA		NA		230		NA		NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA		NA		10		NA		NA		NA		250		4		250
	% of CALC exceedences	0%	83%	0%	0%	0%	0%		100%		0%		0%		0%		NA		0%		0%		0%
	% of DWS exceedences	0%	58%	0%	0%	0%	0%		0%		0%		0%		0%		NA		0%		0%		0%
GS4B																							
	Sample Date																						
	09/25/04	8.15	6.94	6.9	21.3	8.0	**1.57**		**7.75**	J	1.32	J-	**0.050**	U	**0.0155**				1.53		**0.016**		1.74
	10/15/04	8.27	6.9	6.6	21.3	1.0	**1.57**		**7.0**	J	**0.155**		**0.037**	J	**0.0155**				1.43		**0.016**		1.70
	02/16/05	10.0	4.69	0.1	31.2	**0.3**	**2.2**	J	**7.0**	J	3.22		**0.050**	U	0.0321	J			1.68		**0.016**		2.31
	04/03/05	8.17	6.71	1.18	21.2	1.4	**0.79**		**8.0**	J	0.46		**0.050**	U	0.0414				1.49		**0.016**		1.79
	Mean	8.6	6.31	3.70	23.8	2.7	1.5		7.4		1.3		0.047		0.0261		NA		1.53		0.016		1.89
	Median	8.2	6.81	3.89	21.3	1.2	1.6		7.4		0.89		0.050		0.0238		NA		1.51		0.016		1.77
	St. Deviation	0.9	1.08	3.56	5	3.6	0.58		0.5		1.38		0.007		0.0128		NA		0.11		0		0.29
	# of values	4	4	4	4	4	4		4		4		4		4		0		4		4		4
	Minimum	8.15	4.69	0.1	21.2	0.3	0.79		7.0		0.155		0.037		0.0155		NA		1.43		0.016		1.70
	Maximum	10.0	6.94	6.9	31.2	8.0	2.2		8.0		3.22		0.050		0.0414		NA		1.68		0.016		2.31
	% of values undetected						75%				25%		75%		50%						100%		
	# of values between MDL and MRL					1	1		4				1										
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA		>=20		NA		7.07		NA		NA		230		NA		NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA		NA		10		NA		NA		NA		250		4		250
	% of CALC exceedences	0%	25%	0%	0%	0%	0%		100%		0%		0%		0%		NA		0%		0%		0%
	% of DWS exceedences	0%	25%	0%	0%	0%	0%		0%		0%		0%		0%		NA		0%		0%		0%

Parameters	Total Cyanide	Cyanide WAD[5]	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth	
Total/Dissolved			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location / Units	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS4A														
Sample Date														
07/31/04	**0.0013**	**0.0013**	324	32.1	**0.0385**	0.0915 J	**0.125**	**0.125**	8.15	4.85	**0.0075**	**0.0075**	**0.7500**	**0.7500**
08/19/04	**0.0013**	**0.0013**	1340	**12.5** U	**0.0385**	**0.0385**	**0.125**	**0.125**	21.3	3.64 J+	0.0202 J	**0.0075**	**0.7500**	**0.7500**
09/25/04	0.0026 J	**0.0013**	61.4	**12.5** U	**0.0385**	**0.0385**	**0.125**	**0.125**	7.24	7.46	**0.0075**	**0.0075**	**0.7500**	**0.7500**
10/19/04	**0.0013**	**0.0013**	184	25.1	**0.0385**	**0.0385**	**0.125**	**0.125**	7.74	6.90	**0.0075**	**0.0075**	**0.7500**	**0.7500**
02/16/05	**0.0013**	**0.0013**	41.4 J+	6.92 J+	0.0442 J	J	0.498 J	J	8.59	8.14	**0.0075**	**0.0075**	**0.0050** U	**0.0050** U
04/02/05	**0.0013**	**0.0013**	51.2 J+	14.2 J+	**0.0100** U	**0.0100** U	**0.0200** U	**0.0200** U	11.2	10.5	0.0035 J	0.0040 J	**0.0038**	**0.0038**
05/04/05	**0.0013**	**0.0013**	102	14.2 J+	**0.0100** U	**0.0100** U	0.0307 J	**0.0061**	8.94	7.49	0.0037 J	**0.0015**	**0.0038**	**0.0038**
06/14/05	**0.0013**	**0.0013**	227	8.34	0.0250 J+	0.0220 J+	**0.125**	**0.125**	6.90	5.39	**0.0075**	**0.0075**	**0.0016**	**0.0016**
07/15/05	**0.0013**	**0.0013**	358	7.37 J+	0.0276 J+	0.0144 J+	**0.125**	**0.125**	9.11	5.01 J+	**0.0075**	**0.0075**	**0.0016**	**0.0016**
08/10/05	**0.0013**	**0.0013**	576	3.92 J+	0.0276	0.0174	0.377 J	**0.125**	11.7	5.12	**0.0075**	**0.0075**	0.0102 J+	**0.0050** U
09/10/05	**0.0013**	**0.0013**	1360	24.2 J+	0.0572	0.0292	**0.125**	**0.125**	20.1	5.95	0.0342	**0.0075**	**0.0016**	**0.0016**
10/07/05	**0.0013**	**0.0013**	207	6.72 J+	**0.0050** U	0.0168	**0.125**	**0.125**	8.19	8.24	**0.0075**	**0.0075**	**0.0016**	**0.0016**
Mean	0.0014	0.0013	400	14.0	0.030	0.0297	0.160	0.105	10.8	6.60	0.010	0.0067	0.25	0.25
Median	0.0013	0.0013	220	12.5	0.033	0.0220	0.125	0.125	8.80	6.40	0.0080	0.0075	0.0040	0
St. Deviation	0.00039	0	470	8.7	0.0156	0.0233	0.137	0.045	4.9	1.9	0.009	0.0019	0.367	0.37
# of values	12	12	12	12	12	11	12	11	12	12	12	12	12	12
Minimum	0.0013	0.0013	41.4	3.92	0.0050	0.0100	0.0200	0.0061	6.90	3.64	0.0035	0.0015	0.0016	0.0016
Maximum	0.0026	0.0013	1360	32.1	0.0572	0.0915	0.498	0.125	21.3	10.5	0.0342	0.0075	0.75	0.75
% of values undetected	92%	100%		17%	58%	45%	75%	100%			67%	92%	92%	100%
# of values between MDL and MRL	1					1	3				3	1		
Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
% of CALC exceedences	0%	0%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS4B														
Sample Date														
09/25/04	0.0035 J	**0.0013**	183	**12.5** U	**0.0385**	**0.0385**	**0.125**	**0.125**	8.60	8.53	**0.0075**	**0.0075**	**0.750**	**0.750**
10/15/04	**0.0025** U	**0.0025** U	47.3	18.4 J	**0.0385**	0.112 J	**0.125**	**0.125**	7.78	7.58	**0.0075**	**0.0075**	**0.750**	**0.750**
02/16/05	**0.0013**	**0.0013**	17.5 J+	14.9 J+	0.0144 J	J	**0.125**	J	10.2	11.0	**0.0075**	**0.0075**	**0.0016**	0.0112
04/03/05	**0.0013**	**0.0013**	37.6 J+	13.7 J+	**0.0041**	**0.0100** U	**0.0200** U	0.0436	10.5	9.26	**0.0015**	**0.0015**	**0.0038**	**0.0038**
Mean	0.0021	0.0016	71.0	14.9	0.024	0.0540	0.0990	0.098	9.30	9.10	0.0060	0.0060	0.38	0.38
Median	0.0019	0.0013	42.0	14.3	0.027	0.0385	0.125	0.125	9.40	8.90	0.0075	0.0075	0.38	0.38
St. Deviation	0.0011	0.0006	75	2.5	0.0174	0.053	0.053	0.047	1.3	1.4	0.003	0.003	0.43	0.43
# of values	4	4	4	4	4	3	4	3	4	4	4	4	4	4
Minimum	0.0013	0.0013	17.5	12.5	0.00405	0.0100	0.0200	0.0436	7.78	7.58	0.0015	0.0015	0.0016	0.0038
Maximum	0.0035	0.0025	183	18.4	0.0385	0.112	0.125	0.125	10.5	11.0	0.0075	0.0075	0.750	0.750
% of values undetected	75%	100%		25%	75%	67%	100%	67%			100%	100%	100%	75%
# of values between MDL and MRL	1			1		1								
Chronic Aquatic Life Criteria (CALC)[1]	NA	0.0052	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA
Drinking Water Standards (DWS)[2]	NA	0.2	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA
% of CALC exceedences	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS4A															
	Sample Date														
	07/31/04	**6.40** J	**4.40** J	**0.0500** U	**0.0500** U	2370	2160	**0.161** J	**0.129** J	0.272	0.180	6.89	1.93	175	24.4
	08/19/04	**5.00** U	**5.00** U	**0.0314** J	**0.0155**	2220	2020	0.399	**0.050**	0.599	0.197	12.8	0.922 J+	826	**10.0** U
	09/25/04	**1.55**	**1.55**	**0.0387** J	**0.0448** J	3500	3930	**0.100** U	**0.050**	0.277	0.317	7.85	6.27	112	57.3
	10/19/04	**1.55**	**1.55**	**0.0155**	**0.0364** J	3490 J+	3390 J+	**0.050**	**0.050**	0.324 J+	0.299 J+	20.8	14.8	138	46.7
	02/16/05	**1.55**	**1.55**	0.0680 J+	0.0754 J+	4410	4080	0.317 J+	0.232 J+	0.297 J+	0.301 J+	12.5	10.5	123 J+	82.9 J+
	04/02/05	3.28 J	J	0.0683	0.0667	4340	5110	**0.083** J	**0.036**	0.366	0.327	15.0	13.6	169	123
	05/04/05	2.15 J	J	0.0302	0.0274	3790	3790	**0.036**	**0.036**	0.167	0.160	11.3	4.20	70.1	26.1
	06/14/05	**1.55**	**1.55**	**0.0250** U	**0.0250** U	3060	3000	**0.100** U	**0.100** U	0.310	0.259	15.9	9.03	103	**9.4** J
	07/15/05	**1.55**	**1.55**	**0.0250** U	**0.0078**	2810 J+	2620 J+	0.346 J+	0.424 J+	0.363	0.233	11.9 J+	11.4 J+	226	**10.0** U
	08/10/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	2690	2690	0.327	0.384	0.463	0.301	13.9 J+	2.61 J+	332	**18.6** J
	09/10/05	**5.00** U	**5.00** U	**0.0078**	**0.0078**	3370	3120	0.954 J+	0.785 J+	0.719	0.293	15.4	3.04 J+	757	31.8 J+
	10/07/05	**1.55**	**5.00** U	**0.0392** J	**0.0078**	3850	4000	**0.031**	**0.031**	0.548	0.581	34.6	26	97.4	39.4
	Mean	3.01	3.22	0.034	0.031	3330	3330	0.24	0.19	0.392	0.287	14.9	8.70	261	40.0
	Median	1.85	2.98	0.031	0.026	3430	3260	0.13	0.075	0.344	0.296	13.4	7.70	154	29.0
	St. Deviation	1.83	1.76	0.0203	0.0239	720	900	0.261	0.232	0.159	0.108	7.2	7.2	258	34
	# of values	12	10	12	12	12	12	12	12	12	12	12	12	12	12
	Minimum	1.55	1.55	0.00775	0.0078	2220	2020	0.031	0.031	0.167	0.160	6.89	0.922	70.1	9.4
	Maximum	6.40	5	0.0683	0.0754	4410	5110	0.954	0.785	0.719	0.581	34.6	26.0	826	123
	% of values undetected	75%	90%	50%	58%			42%	58%						17%
	# of values between MDL and MRL	1	1	3	2			2	1						2
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.039	0.040	NA	NA	10.135	8.716	NA	NA	1.000	0.960	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	33%	33%	0%	0%	0%	0%	0%	0%	100%	92%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS4B															
	Sample Date														
	09/25/04	**4.10** J	**1.55**	**0.0155**	**0.0155**	2710	3030	0.219	**0.100** U	**0.0604** J	**0.0560** J	0.337	0.364	196	78.0
	10/15/04	**5.50** J	**3.30** J	**0.0155**	**0.0155**	2840	2820	**0.050**	**0.050**	0.104	**0.0332** J	1.51	0.664	37.1	**3.1**
	02/16/05	**1.55**	**5.30** J	**0.0250** U	**0.0250** U	3370	3480	0.213 J+	0.361 J+	0.0186 J	J	0.307 J	J	37.9 J+	41.2 J+
	04/03/05	4.63 J+	4.94 J+	**0.0066** J	**0.0106** J	2790	2930	**0.036**	**0.036**	**0.0048**	**0.0221** J	0.285 J+	0.312 J+	58.2	19.3
	Mean	3.90	3.80	0.016	0.017	2930	3070	0.13	0.14	0.047	0.0371	0.610	0.447	82.0	35
	Median	4.40	4.10	0.016	0.016	2820	2980	0.13	0.080	0.040	0.0332	0.320	0.364	48.0	30
	St. Deviation	1.7	1.7	0.0075	0.006	300	290	0.1	0.15	0.045	0.0173	0.6	0.19	76	32
	# of values	4	4	4	4	4	4	4	4	4	3	4	3	4	4
	Minimum	1.55	1.55	0.00659	0.0106	2710	2820	0.036	0.036	0.0048	0.0221	0.285	0.312	37.1	3.1
	Maximum	5.50	5.30	0.0250	0.0250	3370	3480	0.219	0.361	0.104	0.0560	1.51	0.664	196	78.0
	% of values undetected	25%	25%	75%	75%			50%	75%	25%					25%
	# of values between MDL and MRL	2	2	1	1					1	3				
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.042	0.043	NA	NA	10.98	10.56	NA	NA	1.095	1.052	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Lead[4]				Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium	
	Total/Dissolved	Total		Dissolved		Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L		µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS4A																
	Sample Date															
	07/31/04	**0.171**	J	**0.118**	J	297	228	21.6	15.8	**0.0005** U	**0.155**	**0.155**	0.205	0.246	309	259
	08/19/04	0.666	J+	**0.100**	U	474	186	42.1	17.8	0.0032	**0.644** J	**0.570** J	0.503	0.256	511	266
	09/25/04	**0.050**		**0.100**	U	359	339	22.4	23.6	**0.0005** U	**0.997** J	1.18	0.267	0.346	350 J+	354 J+
	10/19/04	**0.050**		**0.160**	J	341	299	20.2	18.5	**0.0005** U	**0.905** J	**0.881** J	**0.100** U	0.324	329	318
	02/16/05	0.242	J+	0.157	J+	496	472	21.9	20.6	**0.0005** U	0.669	0.629	0.383 J+	0.451 J+	456	433
	04/02/05	0.077	J		J	471	487	27.2	27.2	**0.00015**	0.492 J	J	0.231 J	J	402	456
	05/04/05	**0.035**	U		J	355	349	11.1	9.86	**0.00015**	0.666	0.535	0.168 J	J	373	367
	06/14/05	0.211	J+	0.234	J+	324	281	23.1	19.1	**0.00045**	0.707	0.691	0.317 J	J	298	281
	07/15/05	0.186	J+	**0.050**	U	338	239	26.1	18.8	**0.00045**	0.655	0.645	0.344 J+	0.439 J+	335 J+	267 J+
	08/10/05	0.309		0.173		382	244	32.0	21.9	**0.00121** J	0.646	0.658	0.403	0.469	348	279
	09/10/05	0.714	J+	0.186	J+	648	327	54.5	27.4	**0.0025** U	0.716	0.756	0.678	0.514	513 J+	308 J+
	10/07/05	**0.016**		**0.050**	U	417	428	31.8	31.5	**0.00045**	0.838	0.820	0.338 J	J	356	371
	Mean	0.23		0.13		409	323	27.8	21.0	0.0009	0.674	0.684	0.328	0.381	382	330
	Median	0.18		0.14		371	313	24.6	19.9	0.0005	0.668	0.658	0.328	0.393	353	313
	St. Deviation	0.235		0.06		99	97	11.3	5.8	0.001	0.212	0.251	0.156	0.101	74	67
	# of values	12		10		12	12	12	12	12	12	11	12	8	12	12
	Minimum	0.016		0.050		297	186	11.1	9.86	0.00015	0.155	0.155	0.100	0.246	298	259
	Maximum	0.714		0.234		648	487	54.5	31.5	0.0032	0.997	1.18	0.678	0.514	513	456
	% of values undetected	33%		40%						83%	8%	9%	8%			
	# of values between MDL and MRL	1		2						1	3	2				
	Chronic Aquatic Life Criteria (CALC)[1]	0.114		0.134		NA	NA	NA	NA	0.012	NA	NA	5.72	5.70	NA	NA
	Drinking Water Standards (DWS)[2]	15		NA		NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	58%		50%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%		0%		0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
GS4B																
	Sample Date															
	09/25/04	**0.050**		**0.100**	U	337	310	8.70	7.23	**0.0005** U	**0.155**	**0.155**	**0.100** U	0.287	260 J+	269 J+
	10/15/04	0.230		0.207		286	282	2.54	**0.876** J	**0.0005** U	**0.155**	**0.155**	**0.189** J	0.253	267	274
	02/16/05	**0.050**	U		J	388	398	2.03 J+	1.78 J+	**0.0005** U	0.161 J+	0.194 J+	0.226 J	J	345	366
	04/03/05	**0.035**	U		J	292	295	2.54	1.79	**0.00015**	**0.017**	J	0.274 J	J	233	269
	Mean	0.10		0.15		326	321	3.95	2.92	0.00041	0.122	0.168	0.197	0.27	276	295
	Median	0.10		0.15		315	303	2.54	1.79	0.00050	0.155	0.155	0.208	0.27	264	272
	St. Deviation	0.1		0.08		47	52	3.17	2.91	0.00018	0.07	0.023	0.074	0.024	48	48
	# of values	4		2		4	4	4	4	4	4	3	4	2	4	4
	Minimum	0.035		0.100		286	282	2.03	0.876	0.00015	0.0169	0.155	0.100	0.253	233	269
	Maximum	0.230		0.207		388	398	8.70	7.23	0.0005	0.161	0.194	0.274	0.287	345	366
	% of values undetected	75%		50%						100%	75%	67%	25%			
	# of values between MDL and MRL								1				1			
	Chronic Aquatic Life Criteria (CALC)[1]	0.131		0.151		NA	NA	NA	NA	0.012	NA	NA	6.26	6.24	NA	NA
	Drinking Water Standards (DWS)[2]	15		NA		NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	25%		50%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%		0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS4A															
Sample Date															
07/31/04	**0.155**	**0.155**	2080	**0.0031**	**0.0031**	799	742	**0.0125**	**0.0125**	**0.155**	**0.155**	0.375 J	**0.125**	5.01	4.25
08/19/04	**0.155**	**0.155**	1400	**0.0031**	**0.0031**	819 J+	620 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	1.83	**0.125**	7.32 J+	2.71 J+
09/25/04	**0.155**	**0.155**	2830	**0.0031**	**0.0031**	1320 J+	1300 J+	**0.0125**	0.0304 J	**0.155**	**0.155**	**0.125**	**0.125**	5.32 J+	6.14 J+
10/19/04	**0.155**	**0.155**	2940 J+	**0.0031**	**0.0031**	1210 J+	1250 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	4.93	5.27
02/16/05	**0.0775**	**0.0775**	3460	**0.0031**	**0.0031**	1760 J+	1730 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	6.86 J+	7.53 J+
04/02/05	**0.0143**	0.0507 J	3710	**0.0014**	**0.0014**	1180 J	J	**0.0021**	**0.0021**	2.29	**0.030**	0.0521	0.0254 J	8.57 J+	8.64 J+
05/04/05	0.0442 J	0.0411 J	3270	**0.0014**	**0.0014**	1110 J+	1120 J+	**0.0021**	**0.0021**	**0.0302**	**0.0302**	0.135	0.083	3.91 J+	4.40 J+
06/14/05	**0.0775**	**0.0775**	1970	**0.0031**	**0.0031**	964 J+	1010 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.492	**0.10**	6.47 J+	6.59 J+
07/15/05	**0.0775**	**0.0775**	1580	**0.0031**	**0.0031**	845 J+	791 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.545	**0.10**	18.5 J+	17.0 J+
08/10/05	**0.0775**	**0.0775**	1650	**0.0031**	**0.0031**	773	720	**0.0031**	**0.0031**	**0.031**	**0.031**	0.714	**0.10**	7.43 J+	5.66 J+
09/10/05	**0.0775**	**0.0775**	2520	**0.0031**	**0.0031**	1170 J+	936 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	1.71	**0.10**	11.4 J+	5.87 J+
10/07/05	**0.0775**	**0.0775**	3590	**0.0031**	**0.0031**	1200	1270	**0.0031**	**0.0031**	**0.031**	**0.031**	0.529	0.261 J	8.34 J	J
Mean	0.0950	0.0980	2580	0.0028	0.0028	1100	1040	0.0060	0.0080	0.30	0.070	0.56	0.114	7.80	6.73
Median	0.0780	0.0780	2680	0.0031	0.0031	1140	1010	0.0030	0.0030	0.000	0.030	0.43	0.1	7.10	5.87
St. Deviation	0.048	0.044	830	0.0006	0.0006	280	330	0.005	0.008	0.6	0.06	0.61	0.054	3.9	3.77
# of values	12	12	12	12	12	12	11	12	12	12	12	12	12	12	11
Minimum	0.0143	0.0411	1400	0.0014	0.0014	773	620	0.0021	0.0021	0.0302	0.0302	0.0521	0.0254	3.91	2.71
Maximum	0.155	0.155	3710	0.0031	0.0031	1760	1730	0.0125	0.0304	2.29	0.155	1.83	0.261	18.5	17.0
% of values undetected	92%	83%		100%	100%			100%	92%	92%	100%	25%	75%	0%	0%
# of values between MDL and MRL	1	2							1			1	2		
Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.045	0.039	NA	NA	NA	NA	NA	NA	NA	NA	13.09	12.90
Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	9%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS4B															
Sample Date															
09/25/04	**0.155**	**0.155**	2240	**0.0031**	**0.0031**	1570	1490	**0.0125**	**0.0125**	**0.155**	**0.155**	0.474	**0.125**	3.52 J	J
10/15/04	**0.155**	**0.155**	1990	**0.0031**	**0.0031**	1380	1520	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	8.34	7.68
02/16/05	**0.0775**	**0.0775**	2730	**0.0031**	0.0068 J	1870 J+	2000 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	2.13 J	J
04/03/05	**0.0143**	**0.0143**	2460	**0.0014**	**0.0014**	1080 J	J	**0.0021**	**0.0021**	0.480	**0.0302**	0.164	0.0834	3.32 J+	4.20 J+
Mean	0.100	0.100	2360	0.0027	0.0036	1480	1670	0.0076	0.0076	0.21	0.093	0.216	0.108	4.33	5.94
Median	0.116	0.116	2350	0.0031	0.0031	1480	1520	0.0078	0.0078	0.16	0.093	0.145	0.113	3.42	5.94
St. Deviation	0.068	0.068	320	0.0008	0.0023	330	290	0.0057	0.0057	0.19	0.072	0.174	0.02	2.74	2.46
# of values	4	4	4	4	4	4	3	4	4	4	4	4	4	4	2
Minimum	0.0143	0.0143	1990	0.0014	0.0014	1080	1490	0.0021	0.0021	0.031	0.0302	0.10	0.0834	2.13	4.20
Maximum	0.155	0.155	2730	0.0031	0.0068	1870	2000	0.0125	0.0125	0.480	0.155	0.474	0.125	8.34	7.68
% of values undetected	100%	100%		100%	75%			100%	100%	75%	100%	50%	75%		
# of values between MDL and MRL					1										
Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.054	0.046	NA	NA	NA	NA	NA	NA	NA	NA	14.32	14.12
Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+Nitrite (as N)	Ammonia (as N)[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	Total/Dissolved														
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GS6A															
	Sample Date														
	07/21/04	21.3	5.78	18	53.8	1.6	**1.57**	18	**0.41** J-	**0.0155**	0.645		1.47	**0.033** J	7.75
	08/19/04	21.8	7.6	22	33.8	2.4	**1.57**	17.5	7.2	**0.0155**	**0.0155**		1.52	**0.053** J	7.91
	09/24/04	23.0	6.06	6.7	43.8	3.8	**1.57**	20.8	2.37 J-	**0.050** U	**0.0400** J		1.64	**0.016**	8.60
	10/15/04	24.2	5	7.1	72.5	3.4	**1.57**	20	**0.32** J	**0.093** J	**0.0700** J		1.61	**0.048** J	7.77
	02/16/05	25.5	6.87	1.45	55.0	**0.2**	**2.2** J	17	1.36	**0.050** U	0.0564 J		1.68	**0.036** J	9.88
	04/03/05	20.9	7.04	1.33	28.7	0.6	**0.79**	16	0.76	**0.050** U	0.0521		1.62	**0.032** J	9.10
	Mean	22.8	6.39	9.43	47.9	2.0	1.5	18	2.1	0.050	0.147	NA	1.59	0.036	8.50
	Median	22.4	6.47	6.9	48.8	2.0	1.6	18	1.1	0.050	0.0540	NA	1.62	0.035	8.26
	St. Deviation	1.8	0.95	8.64	16	1.5	0.45	2	2.6	0.030	0.245	NA	0.08	0.013	0.86
	# of values	6	6	6	6	6	6	6	6	6	6	0	6	6	6
	Minimum	20.9	5	1.33	28.7	0.2	0.79	16	0.32	0.0155	0.0155	NA	1.47	0.016	7.75
	Maximum	25.5	7.60	22	72.5	3.8	2.2	20.8	7.2	0.093	0.645	NA	1.68	0.053	9.88
	% of values undetected						83%			83%	17%			17%	
	# of values between MDL and MRL					1	1		2	1	2			5	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	7.07	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	50%	0%	0%	0%	0%	67%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%
GS7A															
	Sample Date														
	10/16/04	11.1	6.6	4	31.3	**0.4**	**1.57**	10	2.08	**0.069** J	**0.0155**		1.22	**0.050** UJ	26.2
	Mean	11.1	6.60	4	31.3	0.4	1.57	10	2.08	0.069	0.0155	NA	1.22	0.050	26.2
	Median	11.1	6.60	4	31.3	0.4	1.57	10	2.08	0.069	0.0155	NA	1.22	0.050	26.2
	St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	# of values	1	1	1	1	1	1	1	1	1	1	0	1	1	1
	Minimum	11.1	6.6	4	31.3	0.4	1.57	10	2.08	0.069	0.0155	NA	1.22	0.050	26.2
	Maximum	11.1	6.60	4	31.3	0.4	1.57	10	2.08	0.069	0.0155	NA	1.22	0.050	26.2
	% of values undetected						100%				100%			100%	
	# of values between MDL and MRL					1				1					
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	6.57	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%

Parameters	Total Cyanide		Cyanide WAD[5]		Aluminum				Antimony				Arsenic				Barium				Beryllium				Bismuth			
Total/Dissolved					Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location Units	mg/L		mg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
GS6A																												
Sample Date																												
07/21/04	**0.0013**		**0.0013**		50.8		34.3		**0.0385**		**0.0385**		**0.125**		**0.125**		11.2		10.6		**0.0075**		**0.0075**		**0.750**		**0.750**	
08/19/04	**0.0013**		**0.0013**		79.4	J+	58.0	J+	**0.0385**		**0.0385**		**0.125**		**0.125**		10.5		9.80		**0.0075**		**0.0075**		**0.750**		**0.750**	
09/24/04	**0.0013**		**0.0013**		48.1		26.6		**0.0385**		**0.0385**		**0.125**		**0.125**		12.8		13.0		**0.0075**		**0.0075**		**0.750**		**0.750**	
10/15/04	**0.0025**	U	**0.0025**	U	62.6		**16.6**	J	**0.0385**		**0.0385**		**0.125**		**0.125**		12.2		11.5		**0.0075**		**0.0075**		**0.750**		**0.750**	
02/16/05	**0.0013**		**0.0013**		18.6	J+	8.77	J+	0.366		0.394		6.51		7.76		15.2		15.1		**0.0075**		**0.0075**		**0.0050**	U	**0.0016**	
04/03/05	**0.0013**		**0.0013**		18.5	J+	7.01	J+	**0.0100**	U	**0.0100**	U	0.0834		0.0820		16.1		15.0		**0.0015**		**0.0015**		**0.0038**		**0.0038**	
Mean	0.0015		0.0015		46.3		25.2		0.0880		0.0930		1.18		1.39		13.0		13.0		0.0065		0.0065		0.50		0.50	
Median	0.0013		0.0013		49.5		21.6		0.0390		0.0390		0.130		0.130		12.5		12.0		0.0075		0.0075		0.75		0.75	
St. Deviation	0.0005		0.0005		24.2		19.2		0.137		0.148		2.61		3.12		2.2		2		0.0025		0.0025		0.39		0.39	
# of values	6		6		6		6		6		6		6		6		6		6		6		6		6		6	
Minimum	0.0013		0.0013		18.5		7.01		0.0100		0.0100		0.0834		0.0820		10.5		9.80		0.0015		0.0015		0.0038		0.0016	
Maximum	0.0025		0.0025		79.4		58.0		0.366		0.394		6.51		7.76		16.1		15.1		0.0075		0.0075		0.750		0.750	
% of values undetected	100%		100%						83%		83%		67%		67%						100%		100%		100%		100%	
# of values between MDL and MRL							1																					
Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
% of CALC exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
GS7A																												
Sample Date																												
10/16/04	0.0066		**0.0013**		**12.5**	U	**12.5**	U	**0.0385**		**0.0385**		**0.287**	J	**0.278**	J	6.57		6.69		**0.0075**		**0.0075**		**0.750**		**0.750**	
Mean	0.0066		0.0013		12.5		12.5		0.0385		0.0385		0.287		0.278		6.57		6.69		0.0075		0.0075		0.750		0.750	
Median	0.0066		0.0013		12.5		12.5		0.0385		0.0385		0.287		0.278		6.57		6.69		0.0075		0.0075		0.750		0.750	
St. Deviation	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
# of values	1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Minimum	0.0066		0.0013		12.5		12.5		0.0385		0.0385		0.287		0.278		6.57		6.69		0.0075		0.0075		0.750		0.750	
Maximum	0.0066		0.0013		12.5		12.5		0.0385		0.0385		0.287		0.278		6.57		6.69		0.0075		0.0075		0.750		0.750	
% of values undetected			100%		100%		100%		100%		100%										100%		100%		100%		100%	
# of values between MDL and MRL													1		1													
Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
% of CALC exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt		Copper[4]		Iron	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS6A															
	Sample Date														
	07/21/04	**1.55**	**1.5500**	**0.0500** U	**0.0500** U	7750	7650	**0.050**	**0.119** J	**0.0743** J	**0.0155**	0.241	0.338	74.4	42.1
	08/19/04	**5.00** U	**5.00** U	**0.0155**	**0.0155**	8040	8970	**0.100** U	**0.100** U	**0.0923** J	**0.0559** J	0.539 J+	0.424 J+	91.5 J+	48.1 J+
	09/24/04	**3.70** J	**4.60** J	**0.0155**	**0.0155**	8340	9760	**0.100** U	**0.100** U	**0.0809** J	**0.0523** J	**0.100** U	0.206	122	49.5
	10/15/04	**3.20** J	**3.60** J	**0.0155**	**0.0155**	8880	8760	0.236	**0.050**	0.160	**0.072** J	2.03	0.554	101	25.6
	02/16/05	**1.55**	**3.40** J	**0.0250** U	**0.0078**	9210	9180	0.300 J+	0.349 J+	0.0700 J+	0.0670 J+	0.273 J+	0.298 J+	59.1 J+	30.7 J+
	04/03/05	3.16 J+	3.37 J+	**0.0031**	**0.0096** J	7540	8160	**0.036**	**0.036**	0.0818	0.0735	0.209 J+	0.263 J+	56.2	20.8
	Mean	3.00	3.60	0.021	0.019	8290	8750	0.14	0.13	0.0930	0.0561	0.570	0.347	84.0	36.1
	Median	3.20	3.50	0.016	0.016	8190	8870	0.10	0.10	0.0810	0.0615	0.260	0.318	83.0	36.4
	St. Deviation	1.3	1.2	0.0159	0.0156	650	750	0.11	0.11	0.034	0.0216	0.73	0.125	26	12.1
	# of values	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Minimum	1.55	1.55	0.0031	0.0078	7540	7650	0.036	0.036	0.0700	0.0155	0.100	0.206	56.2	20.8
	Maximum	5.00	5.00	0.0500	0.0500	9210	9760	0.300	0.349	0.160	0.0735	2.03	0.554	122	49.5
	% of values undetected	50%	33%	100%	83%			67%	67%		17%	17%			
	# of values between MDL and MRL	2	3		1				1	3	3				
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.085	0.083	NA	NA	10.98	10.56	NA	NA	2.458	2.360	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS7A															
	Sample Date														
	10/16/04	**1.55**	**1.55**	**0.0155**	**0.0155**	3860	4480	0.203	**0.050**	**0.0155**	**0.0155**	0.272	0.218	**10.8** J	**3.1**
	Mean	1.55	1.55	0.0155	0.0155	3860	4480	0.203	0.050	0.0155	0.0155	0.272	0.218	10.8	3.1
	Median	1.55	1.55	0.0155	0.0155	3860	4480	0.203	0.050	0.0155	0.0155	0.272	0.218	10.8	3.1
	St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	# of values	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Minimum	1.55	1.55	0.0155	0.0155	3860	4480	0.203	0.050	0.0155	0.0155	0.272	0.218	10.8	3.1
	Maximum	1.55	1.55	0.0155	0.0155	3860	4480	0.203	0.050	0.0155	0.0155	0.272	0.218	10.8	3.1
	% of values undetected	100%	100%	100%	100%				100%	100%	100%				100%
	# of values between MDL and MRL													1	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	NA	0.053	0.053	NA	NA	10.98	10.56	NA	NA	1.426	1.369	1000	1000
	Drinking Water Standards (DWS)[2]	NA	NA	5	NA	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Lead[4]		Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium	
	Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS6A														
	Sample Date													
	07/21/04	**0.050**	**0.133** J	476	482	19.4	3.79	**0.0005** U	**0.155**	**0.155**	0.216	0.351	241	242
	08/19/04	**0.100** U	**0.100** U	427	471	18.1	3.73	0.0012	**0.155**	**0.155**	0.236	0.361	252	259
	09/24/04	**0.050**	**0.050**	526	522	32.4	6.34	**0.0005** U	**0.155**	**0.155**	0.261	0.310	255 J+	245 J+
	10/15/04	0.287	**0.196** J	485	473	41.9	3.99	**0.0005** U	**0.155**	**0.155**	0.491	0.473	278	260
	02/16/05	**0.050** U	0.122 J+	601	599	13.1	9.25	**0.0005** U	0.195 J+	0.205 J+	0.484 J	J	289	291
	04/03/05	**0.035** U	J	510	512	14.2	11.4	**0.00015**	**0.017**	J	0.161		239	274
	Mean	0.10	0.12	504	510	23.2	6.40	0.0006	0.139	0.165	0.308	0.374	259	262
	Median	0.050	0.122	498	497	18.8	5.20	0.0005	0.155	0.155	0.249	0.356	254	260
	St. Deviation	0.1	0.053	58	48	11.5	3.3	0.0003	0.062	0.022	0.143	0.07	20	18
	# of values	6	5	6	6	6	6	6	6	5	6	4	6	6
	Minimum	0.035	0.050	427	471	13.1	3.73	0.00015	0.0169	0.155	0.161	0.31	239	242
	Maximum	0.287	0.196	601	599	41.9	11.4	0.0012	0.195	0.205	0.491	0.473	289	291
	% of values undetected	83%	40%					83%	83%	80%				
	# of values between MDL and MRL		2											
	Chronic Aquatic Life Criteria (CALC)[1]	0.436	0.444	NA	NA	NA	NA	0.012	NA	NA	13.93	13.89	NA	NA
	Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS7A														
	Sample Date													
	10/16/04	**0.103** J	**0.050**	365	407	**0.540** J	**0.250**	0.00150	**0.155**	**0.155**	**0.119** J	**0.195** J	111	134
	Mean	0.103	0.050	365	407	0.540	0.250	0.00150	0.155	0.155	0.119	0.195	111	134
	Median	0.103	0.050	365	407	0.540	0.250	0.00150	0.155	0.155	0.119	0.195	111	134
	St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	# of values	1	1	1	1	1	1	1	1	1	1	1	1	1
	Minimum	0.103	0.050	365	407	0.540	0.250	0.00150	0.155	0.155	0.119	0.195	111	134
	Maximum	0.103	0.050	365	407	0.540	0.250	0.00150	0.155	0.155	0.119	0.195	111	134
	% of values undetected		100%				100%		100%	100%				
	# of values between MDL and MRL	1				1					1	1		
	Chronic Aquatic Life Criteria (CALC)[1]	0.194	0.215	NA	NA	NA	NA	0.012	NA	NA	8.12	8.10	NA	NA
	Drinking Water Standards (DWS)[2]	15	NA	NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS6A																
	Sample Date															
	07/21/04	**0.155**	**0.155**	2820	**0.0031**	**0.0031**	2730 J	J	**0.0125**	**0.0125**	**0.155**	**0.155**	0.379 J	**0.125**	**0.75** U	**0.75** U
	08/19/04	**0.155**	**0.155**	2530	**0.0031**	**0.0031**	2140	2130	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	0.367 J	6.39 J+	1.90 J+
	09/24/04	**0.155**	**0.155**	2780	**0.0031**	**0.0031**	2020	2050	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.20** U	**0.20** U	**0.75** U	2.03 J+
	10/15/04	**0.155**	**0.155**	3220	**0.0031**	**0.0031**	2060	2080	**0.0125**	**0.0125**	**0.155**	**0.155**	0.38 J	**0.13**	7.53	6.36
	02/16/05	**0.0775**	**0.0775**	4320	**0.0031**	**0.0031**	2330 J+	2360 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	1.84 J+	2.34 J+
	04/03/05	**0.0143**	0.0346 J	3760	**0.0014**	**0.0014**	1640 J	J	**0.0021**	**0.0021**	0.507	**0.0302**	0.0982	0.0648	2.45 J	J
	Mean	0.119	0.122	3240	0.0028	0.0028	2150	2160	0.0092	0.0092	0.19	0.11	0.21	0.164	3.3	2.7
	Median	0.155	0.155	3020	0.0031	0.0031	2100	2110	0.013	0.013	0.16	0.16	0.16	0.125	2.2	2.0
	St. Deviation	0.06	0.053	680	0.0007	0.0007	360	140	0.0051	0.0051	0.162	0.064	0.13	0.109	2.94	2.15
	# of values	6	6	6	6	6	6	4	6	6	6	6	6	6	6	5
	Minimum	0.0143	0.0346	2530	0.0014	0.0014	1640	2050	0.0021	0.0021	0.031	0.0302	0.0982	0.0648	0.75	0.75
	Maximum	0.155	0.155	4320	0.0031	0.0031	2730	2360	0.0125	0.0125	0.507	0.155	0.38	0.367	7.53	6.36
	% of values undetected	100%	83%		100%	100%			100%	100%	83%	100%	50%	67%	33%	17%
	# of values between MDL and MRL		1										2	1		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.277	0.236	NA	NA	NA	NA	NA	NA	NA	NA	31.93	31.49
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GS7A																
	Sample Date															
	10/16/04	**0.155**	**0.155**	3270	0.0088 J	**0.0031**	1500	1680	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	0.874 J	1.73
	Mean	0.155	0.155	3270	0.0088	0.0031	1500	1680	0.0125	0.0125	0.155	0.155	0.125	0.125	0.874	1.73
	Median	0.155	0.155	3270	0.0088	0.0031	1500	1680	0.0125	0.0125	0.155	0.155	0.125	0.125	0.874	1.73
	St. Deviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	# of values	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Minimum	0.155	0.155	3270	0.0088	0.0031	1500	1680	0.0125	0.0125	0.155	0.155	0.125	0.125	0.874	1.73
	Maximum	0.155	0.155	3270	0.0088	0.0031	1500	1680	0.0125	0.0125	0.155	0.155	0.125	0.125	0.874	1.73
	% of values undetected	100%	100%			100%			100%	100%	100%	100%	100%	100%		
	# of values between MDL and MRL				1										1	
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.093	0.079	NA	NA	NA	NA	NA	NA	NA	NA	18.60	18.34
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity		Alkalinity		Nitrate+Nitrite (as N)		Ammonia (as N)[3]		Total Phosphorus		Ortho-phosphate		Chloride		Fluoride		Sulfate
	Total/Dissolved																						
Location	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L
GS8A																							
	Sample Date																						
	07/21/04	5.34	6.8	13.8	25.0	**0.25**	**1.57**		**4.5**	J		R	**0.0155**		**0.0155**				0.540		**0.062**	J	2.96
	08/18/04	6.74	5.8	15.1	30.0	**0.075**	**1.57**		**5.0**	J	**0.155**		**0.0155**		**0.0155**				0.914		**0.088**	J	
	09/24/04	6.47	5.05	2	13.8	0.5	**1.57**		**4.25**	J	3.25	J-	**0.0155**		**0.0155**				0.702		**0.034**	J	3.74
	10/16/04	5.82	6.6	4	15.0	**0.3**	10		**1.55**		2.48		**0.0155**		**0.0155**				0.838		**0.058**	J-	5.94
	02/17/05	8.48	6.90	1.29	16.3	**0.075**	**0.79**		**4.0**	J	2.20		**0.050**	U	0.0264	J			0.836		**0.076**	J	3.78
	04/03/05	8.90	6.88	0.1	25.0	**0.15**	**0.79**		**5.0**	J	0.56		**0.050**	U	0.0614				0.954		**0.083**	J	3.80
	05/04/05	7.74	6.74	6.56	16.3	**0.6**	**2.5**	J	**5.0**	U	0.77		**0.0155**		0.0125				0.924		**0.065**	J	2.04
	06/14/05	6.32	6.66	9.05	16.3	**0.075**	**0.79**		**1.55**		0.101		**0.0155**		**0.0054**	J			0.583		**0.043**	J	3.31
	07/15/05	5.87	7.47	11.68	15.0	**0.3**	**0.79**		**1.55**		0.388		**0.0155**		0.0340				0.440		**0.054**	J	2.99
	08/09/05	6.79	6.31	13.36	12.5	**0.075**	**0.79**		**4.0**	J	0.247		**0.0155**		**0.0017**				0.528		**0.060**	J	33.9
	09/09/05	6.44	8.59	8.51	15.0	32.9	**2.5**	J	**1.55**		**0.0395**	J	**0.050**	U	0.0300				0.360		**0.050**	U	4.00
	10/07/05	7.09	6.5	5.24	15.0	**0.2**	**0.79**		**5**	J	0.265		**0.091**	J	**0.0057**	J			0.592		**0.050**	U	3.64
	Mean	6.83	6.69	7.56	18.0	3	2.0		4.0		0.95		0.030		0.0199		NA		0.684		0.060		6.40
	Median	6.61	6.70	7.54	16.0	0.2	1.2		4.0		0.388		0.016		0.0155		NA		0.647		0.059		3.74
	St. Deviation	1.07	0.85	5.17	6	9	2.6		2		1.13		0.025		0.0164		NA		0.204		0.016		9.2
	# of values	12	12	12	12	12	12		12		11		12		12		0		12		12		11
	Minimum	5.34	5.05	0.1	12.5	0.075	0.79		1.55		0.0395		0.0155		0.0017		NA		0.360		0.034		2.04
	Maximum	8.90	8.59	15.1	30.0	32.9	10		5.0		3.25		0.091		0.0614		NA		0.954		0.088		33.9
	% of values undetected					50%	75%		42%		9%		92%		42%						17%		
	# of values between MDL and MRL					4	2		7		1		1		2						10		
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA		>=20		NA		7.05		NA		NA		230		NA		NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA		NA		10		NA		NA		NA		250		4		250
	% of CALC exceedences	0%	33%	0%	0%	0%	0%		100%		0%		0%		0%		NA		0%		0%		0%
	% of DWS exceedences	0%	25%	0%	0%	0%	0%		0%		0%		0%		0%		NA		0%		0%		0%

	Parameters	Total Cyanide		Cyanide WAD[5]		Aluminum				Antimony				Arsenic				Barium				Beryllium				Bismuth			
	Total/Dissolved					Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location	Units	mg/L		mg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
GS8A																													
	Sample Date																												
	07/21/04	**0.0013**		**0.0013**		**12.5**	U	**12.5**	U	3.86		1.02		**0.125**		**0.125**		3.72		3.74		**0.0075**		**0.0075**		**0.750**		**0.750**	
	08/18/04	**0.0013**		**0.0013**		**12.5**	U	**12.5**	U	**0.0385**		**0.0385**		**0.125**		**0.125**		4.40	J+	4.53	J+	**0.0075**		**0.0075**		**0.750**		**0.750**	
	09/24/04	**0.0013**		**0.0013**		**12.5**	U	**12.5**	U	**0.0385**		**0.0385**		**0.125**		**0.125**		3.97		3.87		**0.0075**		**0.0075**		**0.750**		**0.750**	
	10/16/04	**0.0047**	J	**0.0030**	J	34.7		**18.0**	J	**0.0385**		**0.0385**		**0.125**		**0.125**		4.33		4.27		**0.0075**		**0.0075**		**0.750**		**0.750**	
	02/17/05	**0.0013**		**0.0013**		8.02	J+	6.22	J+	0.974		0.327		21.1		6.34		5.49		5.2		**0.0075**		**0.0075**		**0.0050**	U	**0.0016**	
	04/03/05	**0.0013**		**0.0013**		8.15	J+	7.03	J+	0.0262		**0.0100**	U	**0.0200**	U	**0.0200**	U	6.81		6.22		0.0197		**0.0015**		0.0351		**0.0038**	
	05/04/05	**0.0013**		**0.0013**		19.4		12.0	J+	0.0503		0.0347		**0.0165**	J	**0.0155**	J	6.11		5.22		**0.0041**	J	**0.0050**	U	**0.0038**		**0.0038**	
	06/14/05	**0.0013**		**0.0013**		10.4		5.16		0.0114	J+	0.0102	J+	**0.125**		**0.125**		3.31		3.04		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
	07/15/05	**0.0013**		**0.0013**		17.4	J+	5.77	J+	**0.0016**		**0.0016**		**0.125**		**0.125**		3.54	J+	3.52	J+	**0.0075**		**0.0075**		**0.0016**		**0.0016**	
	08/09/05	**0.0013**		**0.0013**		11.9	J+	6.8	J+	**0.0016**		**0.0016**		**0.125**		**0.125**		4.05		4.02		**0.0075**		**0.0075**		**0.0050**	U	**0.0050**	U
	09/09/05	**0.0013**		**0.0013**		933		41.5	J+	**0.0050**	U		J	**0.125**		**0.125**		9.74		3.31		0.0340		**0.0162**	J	**0.0016**		**0.0016**	
	10/07/05	**0.0013**		**0.0036**	J	13.0	J+	7.03	J+	0.0494		**0.0050**	U	**0.125**		**0.125**		4.69		4.35		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
	Mean	0.0015		0.0016		91.0		12.3		0.42		0.139		1.90		0.630		5.01		4.27		0.0100		0.0080		0.25		0.25	
	Median	0.0013		0.0013		13.0		9.50		0.040		0.035		0.100		0.130		4.37		4.15		0.008		0.0080		0.010		0.0040	
	St. Deviation	0.001		0.0008		265		10		1.12		0.307		6.1		1.8		1.83		0.91		0.008		0.003		0.37		0.368	
	# of values	12		12		12		12		12		11		12		12		12		12		12		12		12		12	
	Minimum	0.0013		0.0013		8.02		5.16		0.00155		0.0016		0.0165		0.0155		3.31		3.04		0.0041		0.0015		0.0016		0.0016	
	Maximum	0.0047		0.0036		933		41.5		3.86		1.02		21.1		6.34		9.74		6.22		0.034		0.0162		0.750		0.750	
	% of values undetected	92%		83%		25%		25%		50%		58%		83%		83%						75%		92%		92%		100%	
	# of values between MDL and MRL	1		2				1						1		1						1		1					
	Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
	Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
	% of CALC exceedences	0%		0%		8%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
	% of DWS exceedences	0%		0%		0%		0%		0%		0%		8%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Boron				Cadmium[4]				Calcium				Chromium[4,6]				Cobalt				Copper[4]				Iron			
	Total/Dissolved	Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location	Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
GS8A																													
	Sample Date																												
	07/21/04	**1.55**		**1.55**		0.0500	U	0.0500	U	1850		1820		**0.050**		0.101	J	**0.0155**		**0.0155**		0.564		0.450		**3.1**		11	J
	08/18/04		U	**5.00**	U	**0.0155**		**0.0155**		2380		2360		**0.050**	U	**0.100**	U	**0.0155**		**0.0155**		0.278	J+	0.290	J+	**3.1**		**3.1**	
	09/24/04	3.50	J	**1.55**		**0.0155**		**0.0155**		2220		2190		**0.100**	U	**0.100**	U	**0.0155**		**0.0155**		0.236		0.200		**3.1**		**3.1**	
	10/16/04	**1.55**		**1.55**		**0.0155**		**0.0155**		2020		2110		0.243		0.113	J	**0.0155**		**0.0155**		0.632		0.350		8.1	J	**3.1**	
	02/17/05	**1.55**		**1.55**		**0.00775**		**0.025**	U	2970		2750		0.325	J+	**0.100**	U	0.0136	J+	0.0132	J+	0.297	J+	0.297	J+	**10**	U	**10**	U
	04/03/05	1.52	J+	1.34	J+	0.0456		0.0105	J	3120		2900		**0.036**		**0.036**		0.0124	J	0.0134	J	0.114	J		J	**1.3**		**1.3**	
	05/04/05	1.43	J		J	**0.0100**	U	**0.0100**	U	2730		2700		**0.036**		**0.036**		**0.0048**		**0.0150**	U	0.192	J		J	4.7	J	3.9	J
	06/14/05	**1.55**		**1.55**		**0.0250**	U		J	2190		2040		**0.100**	U	**0.100**	U	**0.0016**		**0.0016**		0.142	J+	0.198	J+	**3.1**		**3.1**	
	07/15/05	**1.55**		**1.55**		**0.0078**		**0.0078**		2030	J+	2020	J+	0.267	J+	0.351	J+	**0.0016**		**0.0016**		0.698	J		J	**10**	U	**3.1**	
	08/09/05	**5.00**	U		U	**0.0078**		**0.0078**		2360		2320		**0.031**		0.114	J	0.015	J+	0.0242	J+	0.150	J		J	**3.1**		**3.1**	
	09/09/05	**1.55**		**5.00**	U	**0.0078**		**0.0078**		2000		1730		0.749	J+	0.650	J+	0.220		0.0742	J+	13.0		0.423	J+	334		20.5	
	10/07/05	**1.55**		**5.00**	U	**0.0078**		**0.0078**		2430		2320		**0.031**		**0.031**		0.0238	J+	0.0202	J+	0.463	J+	0.201	J+	**3.1**		**3.1**	
	Mean	2.03		2.6		0.018		0.016		2360		2270		0.17		0.15		0.030		0.019		1.40		0.30		30		6.0	
	Median	1.550		1.6		0.0128		0.0105		2290		2260		0.080		0.10		0.015		0.016		0.300		0.29		0		3.0	
	St. Deviation	1.15		1.7		0.0149		0.013		400		370		0.21		0.18		0.06		0.0186		3.7		0.1		100		6	
	# of values	11		10		12		11		12		12		12		12		12		12		12		8		12		12	
	Minimum	1.43		1.34		0.00775		0.0078		1850		1730		0.031		0.031		0.0016		0.0016		0.114		0.198		1.3		1.3	
	Maximum	5.00		5.00		0.05		0.05		3120		2900		0.749		0.65		0.220		0.0742		13.0		0.45		334		20.5	
	% of values undetected	75%		100%		92%		82%						67%		58%		58%		58%						75%		75%	
	# of values between MDL and MRL	1						1								3		1		1						2		2	
	Chronic Aquatic Life Criteria (CALC)[1]	NA		NA		0.032		0.033		NA		NA		8.136		6.997		NA		NA		0.795		0.763		1000		1000	
	Drinking Water Standards (DWS)[2]	NA		NA		5		NA		NA		NA		100		NA		NA		NA		NA		NA		NA		NA	
	% of CALC exceedences	0%		0%		17%		9%		0%		0%		0%		0%		0%		0%		8%		0%		0%		0%	
	% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Lead[4]				Magnesium				Manganese				Mercury[7]		Molybdenum				Nickel[4]				Potassium			
	Total/Dissolved	Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location	Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
GS8A																											
	Sample Date																										
	07/21/04	**0.118**	J	**0.177**	J	173		174		**0.250**		**0.250**		**0.0005**	U	**0.567**	J	**0.597**	J	**0.0310**		**0.167**	J	111		113	
	08/18/04	**0.050**		**0.100**	U	194		203		**0.250**		**0.250**		**0.0005**	U	**0.746**	J	**0.760**	J	**0.0310**		**0.100**	U	138		140	
	09/24/04	**0.050**		**0.050**		225		216		**0.250**		**0.250**		**0.0005**	U	**0.670**	J	**0.69**	J	**0.100**	U	**0.100**	U	120	J+	121	J+
	10/16/04	**0.113**	J	0.261		188		190		**0.863**	J	**0.583**	J	**0.0005**	U	**0.559**	J	**0.630**	J	**0.166**	J	0.235		103		112	
	02/17/05	0.128	J+	0.149	J+	260		246		0.272	J+	0.220	J+	**0.0005**	U	0.716		0.614		0.604	J+	0.407	J+	151		144	
	04/03/05	**0.011**			J	270		261		0.640		0.135		**0.00015**		0.594		0.478		**0.0149**			J	128		150	
	05/04/05	**0.035**	U		J	224		236		0.844	J+	0.710	J+	**0.00015**		0.475		0.375		**0.0450**	U		J	148	J+	167	J+
	06/14/05	**0.016**			J	208		207		0.766		0.619		**0.00045**		0.580		0.498		0.125	J		J	106		109	
	07/15/05	**0.050**	U	**0.050**	U	196		190		0.572	J+	0.303	J+	**0.00045**		0.569		0.606		0.128	J		J	96.9	J+	100	J+
	08/09/05	**0.016**			J	214		206		0.377		0.307		**0.00045**		0.645		0.630		0.113	J		J	110		116	
	09/09/05	0.864	J+	0.414	J+	346		196		32.9		4.25		**0.00045**		0.421		0.399		0.430		0.521		254	J+	152	J+
	10/07/05	**0.050**	U	**0.050**	U	245		234		0.545		0.371		**0.00131**	J	0.535		0.493		0.160		0.182		122		110	
	Mean	0.13		0.16		229		213		3.20		0.690		0.00049		0.590		0.564		0.160		0.245		132		128	
	Median	0.050		0.13		219		207		0.600		0.310		0.00047		0.575		0.602		0.120		0.182		121		119	
	St. Deviation	0.24		0.128		47		26		9.4		1.14		0.00029		0.094		0.116		0.18		0.161		42		22	
	# of values	12		8		12		12		12		12		12		12		12		12		7		12		12	
	Minimum	0.011		0.050		173		174		0.250		0.135		0.00015		0.421		0.375		0.0149		0.100		96.9		100	
	Maximum	0.864		0.414		346		261		32.9		4.25		0.00131		0.746		0.760		0.604		0.521		254		167	
	% of values undetected	67%		38%						25%		25%		92%						42%		29%					
	# of values between MDL and MRL	2		1						1		1		1		4		4		1		1					
	Chronic Aquatic Life Criteria (CALC)[1]	0.081		0.098		NA		NA		NA		NA		0.012		NA		NA		4.56		4.54		NA		NA	
	Drinking Water Standards (DWS)[2]	15		NA		NA		NA		50		NA		2		NA		NA		100		NA		NA		NA	
	% of CALC exceedences	33%		63%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
	% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
GS8A																
	Sample Date															
	07/21/04	**0.155**	**0.155**	2450	**0.0031**	**0.0031**	1010	1080	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	1.65	1.53
	08/18/04	**0.155**	**0.155**	2890	**0.0031**	**0.0031**	1200 J+	1280 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	0.268 J	**0.125**	**0.75** U	**0.75** U
	09/24/04	**0.155**	**0.155**	2860	**0.0031**	**0.0031**	1230 J+	1210 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.38 J+	2.63 J+
	10/16/04	**0.155**	**0.155**	2810	**0.0031**	**0.0031**	1050	1080	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	2.01	1.89
	02/17/05	**0.0775**	**0.0775**	3280	**0.0031**	**0.0031**	1580 J+	1530 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	2.92 J+	3.34 J+
	04/03/05	**0.0143**	**0.0143**	3480	0.0173	**0.0014**	1570 J+	1620 J+	0.0210	**0.0021**	0.173 J	**0.0302**	0.0533	0.0612	**0.50** U	1.76 J+
	05/04/05	0.0299 J	**0.0143**	3040	0.0205	0.0105	1120 J+	1290	**0.0021**	**0.0021**	**0.0302**	**0.0302**	0.0693	0.087	2.61 J	J
	06/14/05	**0.0775**	**0.0775**	2200	**0.0031**	**0.0031**	976 J+	1040 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	0.27 J	**0.75** U	2.17 J+
	07/15/05	**0.0775**	**0.0775**	2140	**0.0031**	**0.0031**	1010 J+	1030 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	4.00 J	J
	08/09/05	**0.0775**	**0.0775**	2720	**0.0031**	**0.0031**	1040	1030	**0.0031**	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	**0.75** U	2.18 J+
	09/09/05	**0.0775**	**0.0775**	2350	**0.0031**	0.0158 J	1060 J+	876 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.34 J	**0.10**	12.2 J+	5.49 J+
	10/07/05	**0.0775**	**0.0775**	3270	**0.0031**	**0.0031**	1130	1130	**0.0031**	**0.0031**	**0.031**	**0.031**	0.24 J	**0.10**	2.51 J	J
	Mean	0.0940	0.0930	2790	0.0060	0.0050	1160	1180	0.0080	0.0060	0.080	0.070	0.145	0.12	2.8	2.42
	Median	0.0780	0.0780	2840	0.0030	0.0030	1090	1110	0.0030	0.0030	0.030	0.030	0.113	0.10	2.2	2.17
	St. Deviation	0.05	0.052	440	0.006	0.004	210	220	0.006	0.005	0.07	0.06	0.088	0.05	3.2	1.36
	# of values	12	12	12	12	12	12	12	12	12	12	12	12	12	12	9
	Minimum	0.0143	0.0143	2140	0.0031	0.0014	976	876	0.0021	0.0021	0.030	0.0302	0.0533	0.0612	0.50	0.75
	Maximum	0.155	0.155	3480	0.0205	0.0158	1580	1620	0.0210	0.0125	0.173	0.155	0.337	0.268	12.2	5.49
	% of values undetected	92%	100%		83%	83%			92%	100%	92%	100%	58%	75%	33%	11%
	# of values between MDL and MRL	1				1					1		3	1		
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.029	0.024	NA	NA	NA	NA	NA	NA	NA	NA	10.43	10.28
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Location	Parameters	Hardness	pH Field Measurement	Temperature Field Measurement	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate+Nitrite (as N)	Ammonia (as N)[3]	Total Phosphorus	Ortho-phosphate	Chloride	Fluoride	Sulfate
	Total/Dissolved														
	Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NHRIV															
	Sample Date														
	07/22/04	21.7	6.80	16.2	33.8	2.7	**1.57**	20.5	**0.155**	**0.0155**	**0.0155**		0.809	**0.078** J	6.40
	08/20/04	22.1	7.8	14.3	28.8	2.0	**1.57**	22	**0.78** J	**0.0155**	**0.0155**		0.628	**0.073** J	5.65
	09/20/04	23.9			28.8	1.3	**1.57**	21.8	1.25 J-	**0.050** U	**0.0155**		0.609	**0.036** J	5.90
	10/18/04	19.0	6.62	6.3	33.8	0.8	**1.57**	20.5	**0.155**	**0.0155**	**0.0155**		0.566	**0.074** J	5.28
	02/19/05	14.9	6.50	1.09	35.0	0.5	**2.5** J	10	0.55	**0.0155**	0.0457 J		0.941	**0.033** J	9.52
	03/31/05	23.3	7.25	2.22	45.0	0.9	**1.8** J	17	0.15	**0.050** U	0.0300		0.778	**0.045** J	8.60
	05/05/05	22.5	7.15	6.14	36.2	9.1	**2.13** J	15	0.23	**0.0155**	0.0350		0.610	**0.041** J	6.35
	06/13/05	23.0	7.39	14.99	35.0	1.1	**0.79**	20.5	0.259	**0.0155**	0.0149		0.572	**0.045** J	5.78
	07/11/05	24.7	6.66	11.34	33.8	0.9	**0.79**	26	0.201 J-	**0.0155**	0.0640 J		0.702	**0.050** U	6.25
	08/08/05	25.6	6.98	14.81	21.3	1.4	**0.79**	22	0.242 J-	**0.0155**	**0.0085** J		0.497	**0.056** J	5.63
	09/07/05	23.4	7.64	12.13	33.8	2.1	**0.79**	21	0.224	**0.0155**	**0.0071** J		0.510	**0.050** U	5.30
	10/05/05	22.6	6	8.12	18.0	1.2	**0.79**	20.5	0.221 J-	**0.050** U	**0.0071** J		0.531	**0.050** U	6.87
	Mean	22.2	6.98	9.79	31.9	2.0	1.4	20	0.37	0.024	0.023	NA	0.646	0.053	6.46
	Median	22.8	6.98	11.3	33.8	1.3	1.6	21	0.23	0.016	0.016	NA	0.610	0.050	6.08
	St. Deviation	2.8	0.53	5.32	7.1	2.3	0.6	4	0.34	0.0156	0.018	NA	0.136	0.015	1.32
	# of values	12	12	11	12	12	12	12	12	12	12	0	12	12	12
	Minimum	14.9	6	1.09	18.0	0.5	0.79	10	0.15	0.0155	0.0071	NA	0.497	0.033	5.28
	Maximum	25.6	7.80	16.2	45.0	9.1	2.5	26	1.25	0.050	0.0640	NA	0.941	0.078	9.52
	% of values undetected						75%		17%	100%	33%			25%	
	# of values between MDL and MRL						3		1		3			9	
	Chronic Aquatic Life Criteria (CALC)[1]	NA	>6.5 and <8.5	NA	NA	NA	NA	>=20	NA	6.84	NA	NA	230	NA	NA
	Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	NA	NA	250	4	250
	% of CALC exceedences	0%	8%	0%	0%	0%	0%	25%	0%	0%	0%	NA	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	NA	0%	0%	0%

Key:
Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was flagged U or UJ by validation, the value shown is 1/2 MRL.
Green Results = Estimate result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable , no limit established.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
GS11A - example of surface water sampling station identification code

Footnotes:
(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Ammonia CALC limit dependent on calculated lowest 5th percentile of temperature and pH - these are preliminary estimates of the criteria.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are dependent on Hardness lowest 5th percentile, these are preliminary estimates of the criteria.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those available for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

	Parameters	Total Cyanide		Cyanide WAD[5]		Aluminum				Antimony				Arsenic				Barium				Beryllium				Bismuth			
	Total/Dissolved					Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location	Units	mg/L		mg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
NHRIV																													
	Sample Date																												
	07/22/04	**0.0013**		**0.0013**		156		29.5		**0.0385**		**0.0385**		0.517		0.495	J	10.4		9.70		**0.0075**		**0.0075**					
	08/20/04	**0.0013**		**0.0013**		172	J+	25.8	J+	0.180	J	**0.0385**		0.558		0.613		10.9		9.39		**0.0075**		**0.0075**					
	09/20/04	**0.0025**	U	**0.0013**		112		32.2		**0.0385**		**0.0385**		0.665		0.493	J	11.1		9.83		**0.0075**		**0.0075**					
	10/18/04	0.0066		**0.0025**	U	94.8		27.2		**0.0385**		**0.0385**		**0.125**		**0.125**		8.92		8.24		**0.0075**		**0.0075**					
	02/19/05	**0.0013**		**0.0013**		37.6	J+	4.21	J+	0.0904	J+	0.0300	J+	0.437	J	**0.125**		5.34		5.79		**0.0075**		**0.0075**		**0.005**	U	**0.002**	
	03/31/05	**0.0013**		**0.0013**		45.0	J+	11.3	J+	0.0408		0.0384		0.465		0.38		10.6		10.1		**0.0015**		**0.0015**		**0.0038**		**0.0038**	
	05/05/05	**0.0013**		**0.0013**		276		10.2	J+	0.0339		0.0397		0.869		0.378		11.8		9.21		0.0101		**0.0015**		**0.0038**		**0.0038**	
	06/13/05	**0.0013**		**0.0013**		65.4		14.0		0.0422	J+	0.0502	J+	**0.125**		**0.125**		8.66		8.20		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
	07/11/05	**0.0025**	UJ	**0.0025**	UJ	58.7	J+	15.8	J+	0.0962	J+	0.0946	J+	0.530		0.376	J	9.62		9.25		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
	08/08/05	**0.0013**		**0.0025**	UJ	132		37.5	J+	0.0376		0.0424		0.445	J	0.503		10.7		9.47		**0.0075**		**0.0075**		0.0126	J+	**0.0050**	U
	09/07/05	**0.0013**		**0.0013**		157		25.0	J+	0.124		0.110		0.403	J	0.556		10.8		8.65		**0.0075**		**0.0075**		**0.0016**		**0.0016**	
	10/05/05	**0.0013**		**0.0013**		83.0		19.3	J+	0.0742		0.0746		0.430	J	**0.125**		9.98		8.99		**0.0075**		**0.0075**		0.0108		0.0154	
	Mean	0.0019		0.0016		116		21.0		0.0700		0.0530		0.464		0.358		9.90		8.90		0.0070		0.0065		0.005		0.0043	
	Median	0.0013		0.0013		103		22.2		0.0420		0.0390		0.455		0.379		10.5		9.20		0.0080		0.0075		0.0038		0.0027	
	St. Deviation	0.0016		0.0006		68		10.1		0.046		0.026		0.204		0.186		1.7		1.1		0.002		0.0023		0.0043		0.0047	
	# of values	12		12		12		12		12		12		12		12		12		12		12		12		8		8	
	Minimum	0.0013		0.0013		37.6		4.21		0.0339		0.0300		0.125		0.125		5.34		5.79		0.0015		0.0015		0.0016		0.0016	
	Maximum	0.0066		0.0025		276		37.5		0.180		0.110		0.869		0.613		11.8		10.1		0.0101		0.0075		0.013		0.015	
	% of values undetected	92%		100%						25%		33%		17%		33%						92%		100%		83%		92%	
	# of values between MDL and MRL									1				4		3													
	Chronic Aquatic Life Criteria (CALC)[1]	NA		0.0052		87		87		NA		NA		150		150		NA		NA		NA		NA		NA		NA	
	Drinking Water Standards (DWS)[2]	NA		0.2		NA		NA		6		NA		10		NA		2,000		NA		4		NA		NA		NA	
	% of CALC exceedences	0%		0%		58%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
	% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Boron				Cadmium[4]				Calcium				Chromium[4,6]				Cobalt				Copper[4]				Iron			
	Total/Dissolved	Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved		Total		Dissolved	
Location	Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
NHRIV																													
	Sample Date																												
	07/22/04	**4.60**	J	**1.55**			U	**0.0155**		6960		6900		0.22		**0.050**		**0.0656**	J	**0.0155**		1.56		1.14		118		**18.6**	J
	08/20/04	**5.00**	U	**1.55**		**0.0155**		**0.0155**		7220		7260		0.288		0.214		**0.0710**	J	**0.0155**		2.05	J+	0.873	J+	118	J+	**10.0**	U
	09/20/04	**4.10**	J	**1.55**		**0.0155**		**0.0155**		7880		7900		0.211		0.220		**0.0575**	J	**0.0155**		1.14		0.701		82.5		**11.9**	J
	10/18/04	**1.55**		**1.55**		**0.0155**		**0.0155**		6160		6090		**0.190**	J	**0.141**	J	**0.0434**	J	**0.0155**		0.865		0.611		66.0		**13.6**	J
	02/19/05	**1.55**		**1.55**		**0.0078**		**0.0250**	U	4830		5450		**0.031**			J	0.0218	J+	0.0178	J+	0.217	J+	0.110	J+	42.0	J+	26.0	J+
	03/31/05	2.83	J+	3.07	J+	**0.0031**		0.0081	J	7540		6710		**0.036**		**0.036**		**0.0274**	J	**0.0179**	J	0.578	J+	0.501	J+	45.4		30.1	
	05/05/05	6.43	J	4.60	J+	**0.0100**	U	**0.0100**	U	7460		6440		0.274		**0.036**		0.136		**0.0150**	U	1.16	J+	0.565	J+	414		27.2	
	06/13/05	**1.55**		**1.55**		**0.0250**	U	**0.0250**	U	7580		8020		**0.100**	U	0.272		0.0266		0.0332		0.826	J+	0.671	J+	59.1		**18.4**	J
	07/11/05	**5.00**	U	**5.00**	U	**0.0078**		**0.0078**		8090		7810		0.356	J+	0.448	J+	0.0334		0.0184		0.846	J		J	81.6		40.0	
	08/08/05	**5.00**	U	**5.00**	U	**0.0078**		**0.0078**		8360		8230		0.525		0.301		0.0618	J+	0.0376	J+	1.15	J+	0.881	J+	126		35.0	
	09/07/05	11.9		**5.00**	U	**0.0078**		**0.0078**		7610		7780		1.06	J+	0.468	J+	0.0896	J+	0.0316	J+	1.54	J+	0.815	J+	145		21.2	
	10/05/05	**5.00**	U	**5.00**	U	**0.0078**		**0.0078**		7340		7330		0.443	J+	0.386	J+	0.0558	J+	0.0418	J+	0.796	J+	0.636	J+	81.6		28.3	
	Mean	5.00		3.08		0.01		0.013		7250		7160		0.31		0.234		0.0570		0.0229		1.06		0.682		115		23.4	
	Median	5.00		2.31		0.01		0.013		7500		7300		0.25		0.220		0.0570		0.0179		1.00		0.671		82.0		23.6	
	St. Deviation	3		1.68		0.0061		0.0064		950		860		0.28		0.159		0.032		0.01		0.49		0.262		100		9.3	
	# of values	12		12		11		12		12		12		12		11		12		12		12		11		12		12	
	Minimum	1.55		1.55		0.0031		0.0078		4830		5450		0.031		0.036		0.0218		0.0150		0.217		0.110		42.0		10.0	
	Maximum	11.9		5.00		0.025		0.025		8360		8230		1.06		0.468		0.136		0.0418		2.05		1.14		414		40.0	
	% of values undetected	58%		83%		100%		92%						25%		27%				42%								8%	
	# of values between MDL and MRL	2						1						1		1		5		1								4	
	Chronic Aquatic Life Criteria (CALC)[1]	NA		NA		0.073		0.072		NA		NA		10.98		10.56		NA		NA		2.068		1.986		1000		1000	
	Drinking Water Standards (DWS)[2]	NA		NA		5		NA		NA		NA		100		NA		NA		NA		NA		NA		NA		NA	
	% of CALC exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	
	% of DWS exceedences	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%	

	Parameters	Lead[4]				Magnesium		Manganese		Mercury[7]	Molybdenum		Nickel[4]		Potassium	
	Total/Dissolved	Total		Dissolved		Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L		µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NHRIV																
	Sample Date															
	07/22/04	0.191	J	0.202		1040	853	4.40	0.927 J	0.0005 U	1.13	1.35	0.309	0.452	786	758
	08/20/04	0.284	J+	0.050		982	964	3.83	0.50 U	0.0005 U	1.31	1.29	0.408	0.233	847	
	09/20/04	0.100	U	0.050		1020	992	3.06	0.904 J	0.0005 U	1.32	1.37	0.315	0.288	863 J+	J+
	10/18/04	0.050		0.191	J	885	871	2.75	0.946 J	0.0016	1.15	1.22	0.218	0.324	660	662
	02/19/05	0.050	U	0.016		689	772	2.82 J+	1.85 J+	0.0005 U	0.406	0.420	0.248 J+	0.309 J+	298	
	03/31/05	0.035	U	0.071	J+	1080	874	3.07	1.74	0.00015	1.01 J+	0.841	0.174	0.113	562	550
	05/05/05	0.261	J+	0.207	J+	944	836	23.8	2.14	0.00015	0.769	0.939	0.257 J	J	595	542
	06/13/05	0.050	U		J	995	1020	2.46	1.02	0.00045	1.22	1.23	0.430 J	J	753	805
	07/11/05	0.050	U	0.138	J+	1100	1050	2.16 J+	0.819 J+	0.00045	1.32	1.49	0.359 J+	0.409 J+	824	801
	08/08/05	0.050	U	0.050	U	1140	1040	3.94	1.24	0.00045	1.42	1.26	0.456	0.406	865	
	09/07/05	0.251	J+	0.050	U	1080	971	5.04	1.08	0.0025 U	1.19	1.24	0.508	0.371	810	758
	10/05/05	0.050	U	0.050	U	1020	1000	3.25	1.20	0.00045	1.20	1.22	0.368	0.341	695	
	Mean	0.12		0.10		1000	940	5.00	1.20	0.0007	1.12	1.16	0.338	0.325	713	697
	Median	0.050		0.05		1020	970	3.20	1.05	0.0005	1.20	1.24	0.337	0.333	770	758
	St. Deviation	0.1		0.072		120	90	6	0.48	0.0007	0.28	0.29	0.102	0.098	166	113
	# of values	12		11		12	12	12	12	12	12	12	12	10	12	7
	Minimum	0.035		0.016		689	772	2.16	0.50	0.00015	0.406	0.420	0.174	0.113	298	542
	Maximum	0.284		0.207		1140	1050	23.8	2.14	0.0025	1.42	1.49	0.508	0.452	865	805
	% of values undetected	67%		55%					8%	92%						
	# of values between MDL and MRL	1		1					3							
	Chronic Aquatic Life Criteria (CALC)[1]	0.337		0.353		NA	NA	NA	NA	0.012	NA	NA	11.74	11.70	NA	NA
	Drinking Water Standards (DWS)[2]	15		NA		NA	NA	50	NA	2	NA	NA	100	NA	NA	NA
	% of CALC exceedences	0%		0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%		0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

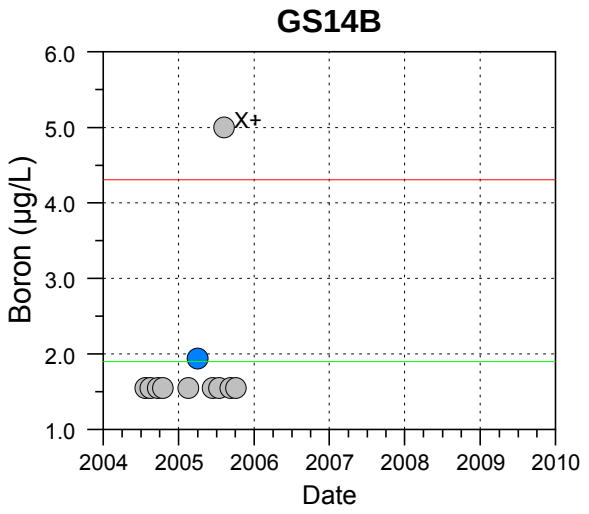
	Parameters	Selenium		Silicon	Silver[8]		Sodium		Thallium		Tin		Vanadium		Zinc[4]	
	Total/Dissolved	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Location	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NHRIV																
	Sample Date															
	07/22/04	**0.155**	**0.155**	2630	**0.0031**	**0.0031**	1410	1320	**0.0125**	**0.0125**	**0.155**	**0.155**	0.423	**0.125**	2.54	2.06
	08/20/04	**0.155**	**0.155**	2580	**0.0031**	**0.0031**	1310 J+	1350 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	0.395 J	0.279 J	1.67 J+	2.36 J+
	09/20/04	**0.155**	**0.155**	2440	**0.0031**	**0.0031**	1350 J+	1320 J+	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.20** U	**0.13**	**0.75** U	**0.75** U
	10/18/04	**0.155**	**0.155**	2380	**0.0031**	**0.0031**	1330	1340	**0.0125**	**0.0125**	**0.155**	**0.155**	**0.125**	**0.125**	0.759 J	1.18 J
	02/19/05	**0.0775**	**0.0775**	4810	**0.0031**	**0.0031**	2100 J+	2380 J+	**0.0100** U	**0.0031**	**0.031**	**0.031**	**0.10**	**0.10**	2.20 J+	2.41 J+
	03/31/05	0.0600 J	0.0506 J	3310	**0.0014**	**0.0014**	1790 J+	1730 J+	0.0055 J	**0.0021**	**0.0302**	**0.0302**	0.283	0.185	1.90 J+	2.73 J+
	05/05/05	0.0642 J	0.0520 J	5830	**0.0014**	**0.0014**	1510	1680 J	**0.0021**	**0.0021**	**0.0302**	**0.0302**	0.976	0.191	3.04 J+	2.24 J+
	06/13/05	**0.0775**	**0.0775**	2600	**0.0031**	**0.0031**	1490 J+	1500 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.568	**0.10**	**0.75** U	1.81 J+
	07/11/05	**0.0775**	0.159 J	2470	**0.0031**	**0.0031**	1480 J+	1420 J+	**0.0031**	**0.0031**	**0.031**	**0.031**	0.449	**0.10**	14.3 J+	12.9 J+
	08/08/05	0.261 J	**0.0775**	2450	**0.0031**	**0.0031**	1460	1350	**0.0031**	**0.0031**	**0.031**	**0.031**	0.33 J	**0.10**	2.17 J+	2.39 J+
	09/07/05	**0.0775**	**0.0775**	2600	**0.0031**	**0.0031**	1420	1310	**0.0031**	**0.0031**	**0.031**	**0.031**	0.269 J	**0.10**	3.23 J+	2.30 J+
	10/05/05	**0.0775**	**0.0775**	2820	**0.0031**	**0.0031**	1470	1530	0.0068 J	**0.0031**	**0.031**	**0.031**	0.721	0.445	1.53	1.67
	Mean	0.116	0.106	3080	0.0028	0.0028	1510	1520	0.0070	0.0060	0.070	0.070	0.403	0.165	2.9	2.9
	Median	0.0780	0.0780	2600	0.0031	0.0031	1470	1390	0.0060	0.0030	0.030	0.030	0.363	0.125	2.0	2.3
	St. Deviation	0.061	0.045	1100	0.0006	0.0006	220	310	0.004	0.005	0.06	0.06	0.254	0.104	3.7	3.2
	# of values	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Minimum	0.0600	0.0506	2380	0.0014	0.0014	1310	1310	0.0021	0.0021	0.030	0.0302	0.10	0.10	0.75	0.75
	Maximum	0.261	0.159	5830	0.0031	0.0031	2100	2380	0.0125	0.0125	0.155	0.155	0.976	0.445	14.3	12.9
	% of values undetected	75%	75%		100%	100%			83%	100%	100%	100%	25%	67%	17%	8%
	# of values between MDL and MRL	3	3						2				3	1	1	1
	Chronic Aquatic Life Criteria (CALC)[1]	5	4.6	NA	0.196	0.166	NA	NA	NA	NA	NA	NA	NA	NA	26.90	26.53
	Drinking Water Standards (DWS)[2]	50	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

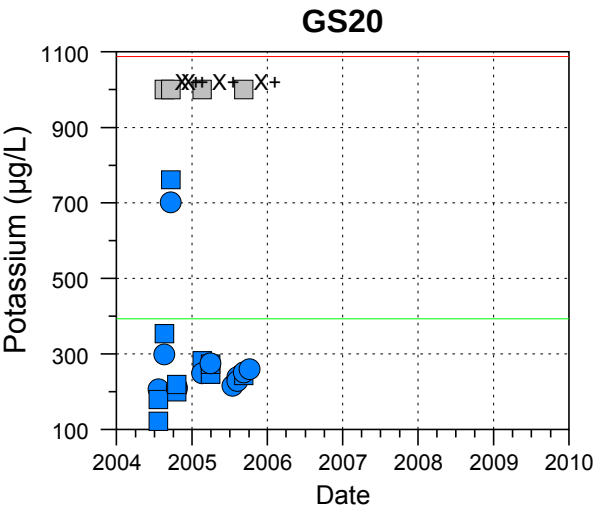
Key:

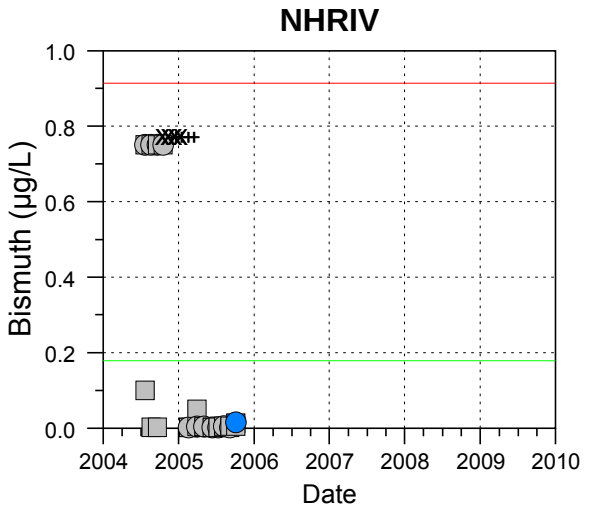
Bold Results = Parameter undetected by test, value shown is 1/2 MDL or 1/2 MRL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was flagged U or UJ by validation, the value shown is 1/2 MRL.
Green Results = Estimate result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable , no limit established.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, under fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide

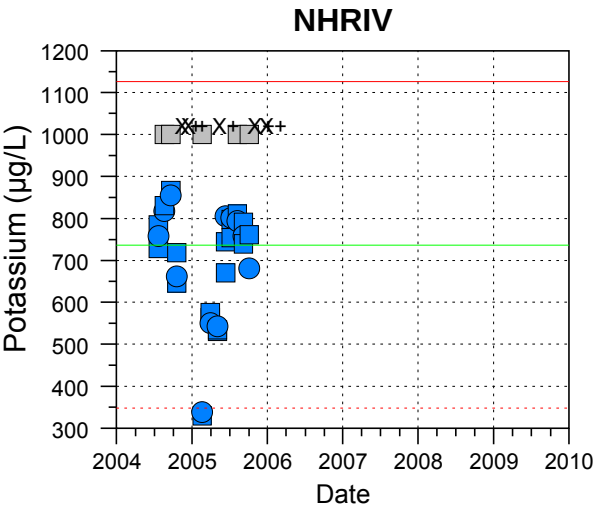
otnotes:

(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Ammonia CALC limit dependent on calculated lowest 5th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those available for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given is an acute criterion, rather than a chronic criterion. No chronic aquatic life criterion has been established for silver.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.









Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value
GS20: Example of Sampling Station Identification

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

2) Some non detect values were marked as outliers because they were higher than other actual data values, or because they were much higher than other non-detect values, and therefore would have skewed the data analysis.

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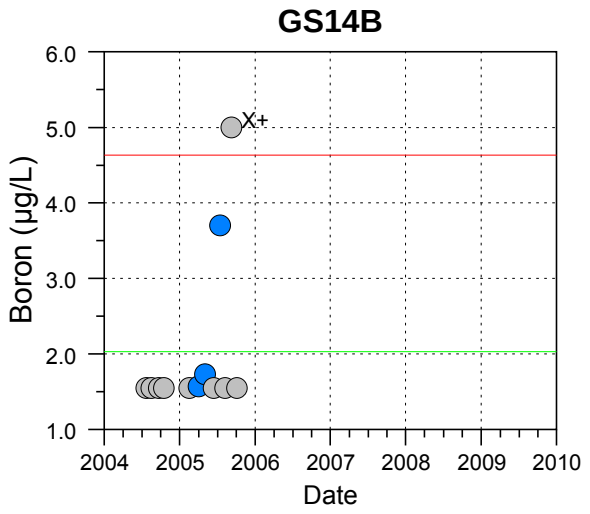
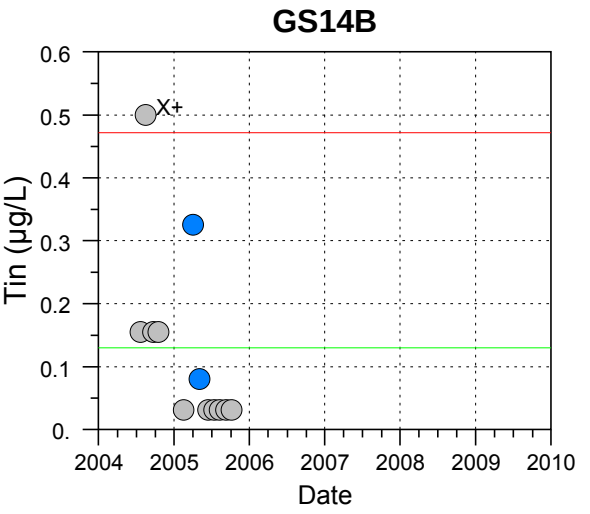
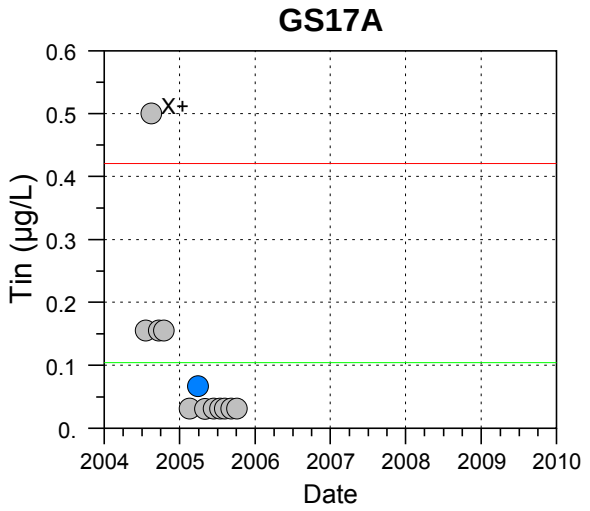
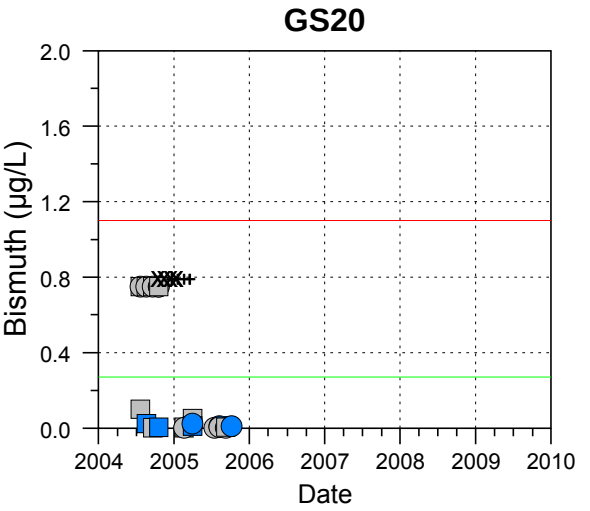
Appendix 9.3A2
Control Plots Showing Outliers at Individual Surface Water Sampling Locations, Dissolved Constituents

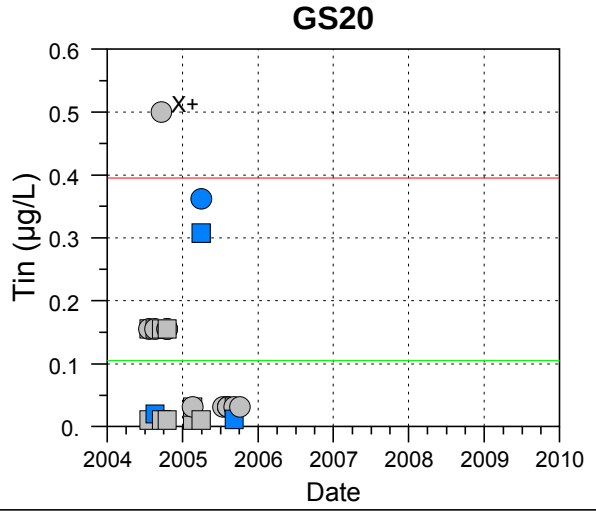
File: 7126	Date: 05-Apr-11
Version: 1	Author: SWS-ca

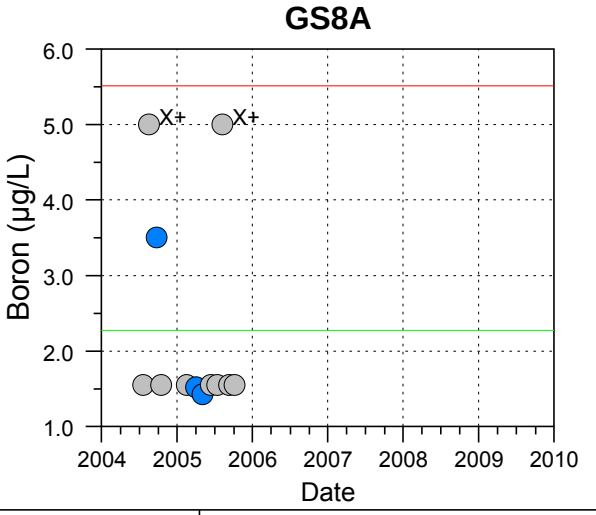












Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value
GS20: Example of Sampling Station Identification

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

2) Some non detect values were marked as outliers because they were higher than other actual data values, or because they were much higher than other non-detect values, and therefore would have skewed the data analysis.

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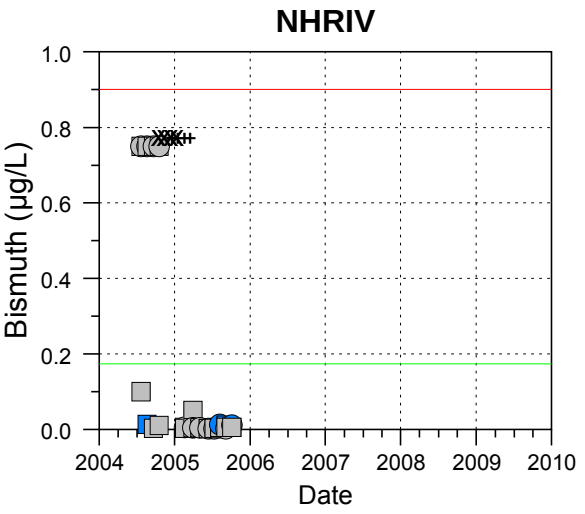
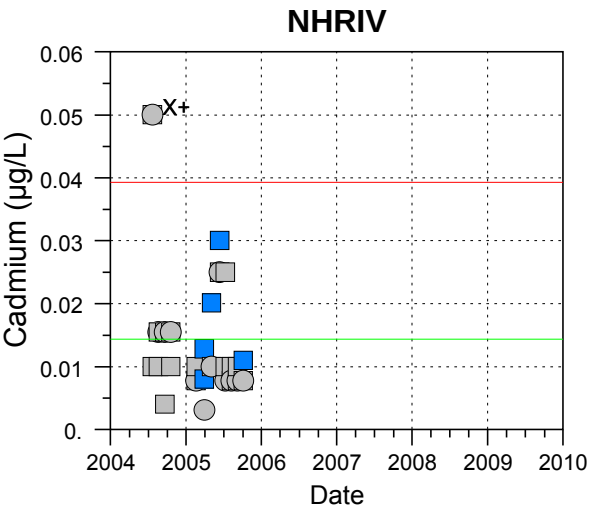
Appendix 9.3A2
Control Plots Showing Outliers at Individual Surface Water Sampling Locations, Total Constituents

File: 7126	Date: 05-Apr-11
Version: 1	Author: SWS-ca





Legend

- Analytical Result
- Quality Control Sample Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value
GS20: Example of Sampling Station Identification

Notes:

1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).

2) Some non detect values were marked as outliers because they were higher than other actual data values, or because they were much higher than other non-detect values, and therefore would have skewed the data analysis.

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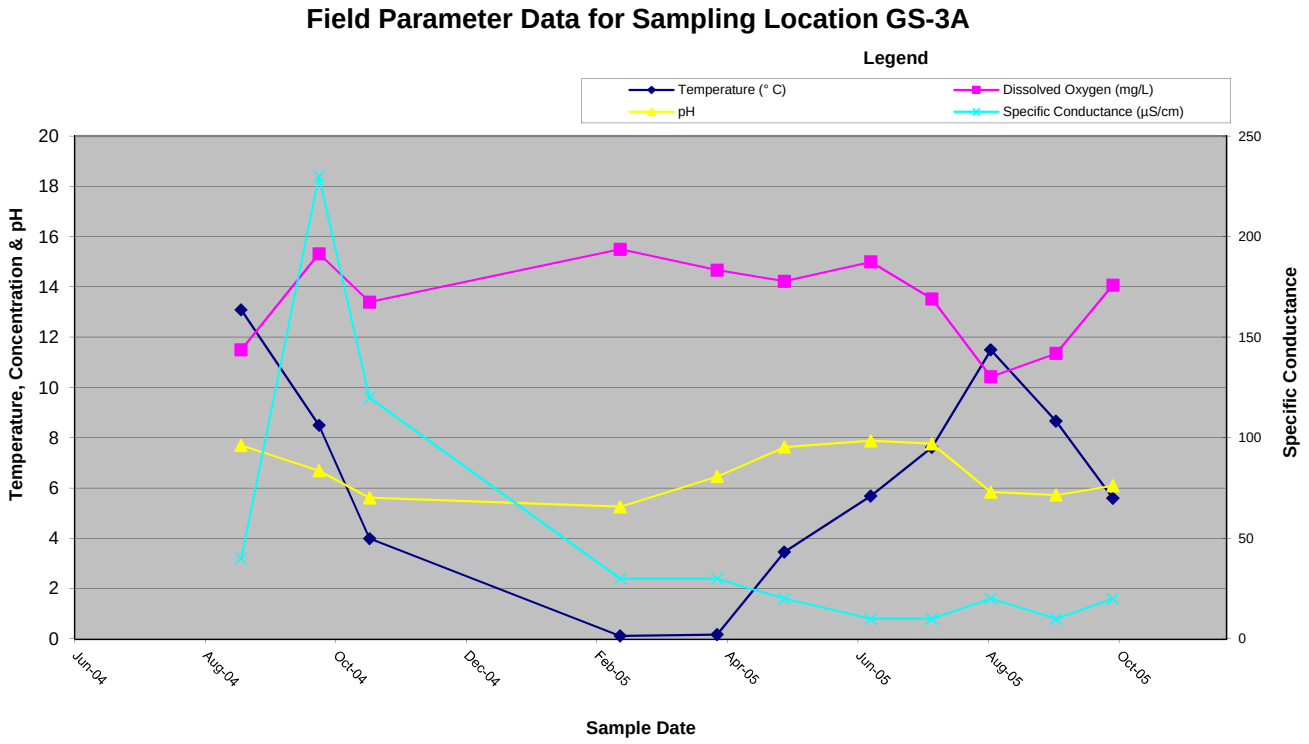
Appendix 9.3A2
Control Plots Showing Outliers at Individual Surface Water Sampling Locations, Total Constituents

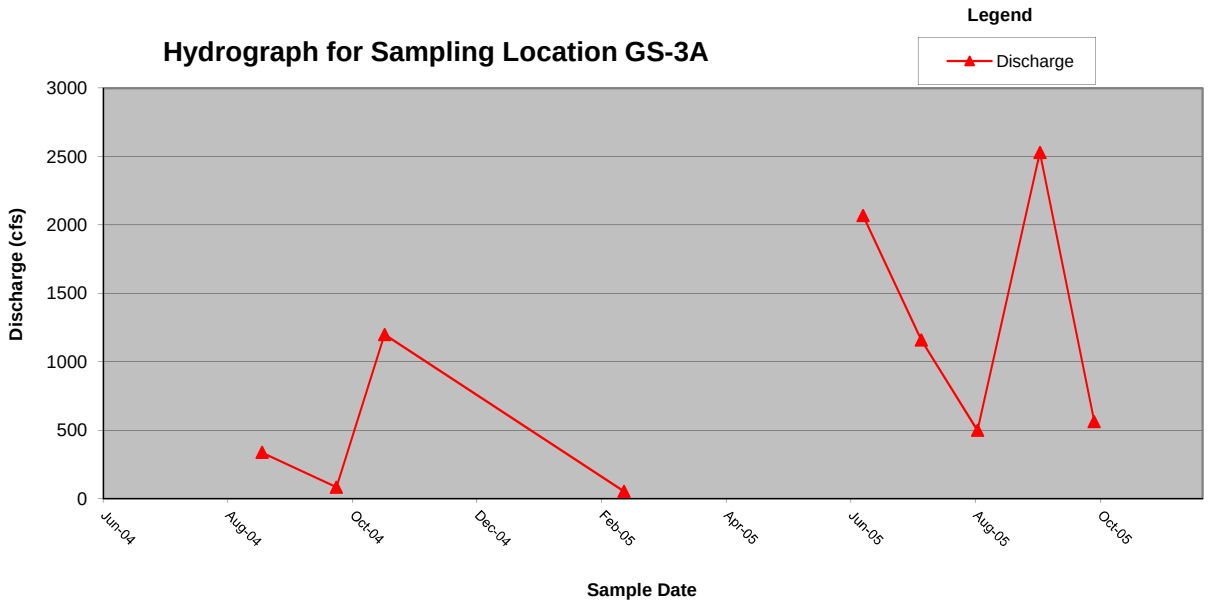
File: 7126	Date: 05-Apr-11
Version: 1	Author: SWS-ca

APPENDIX 9.3B

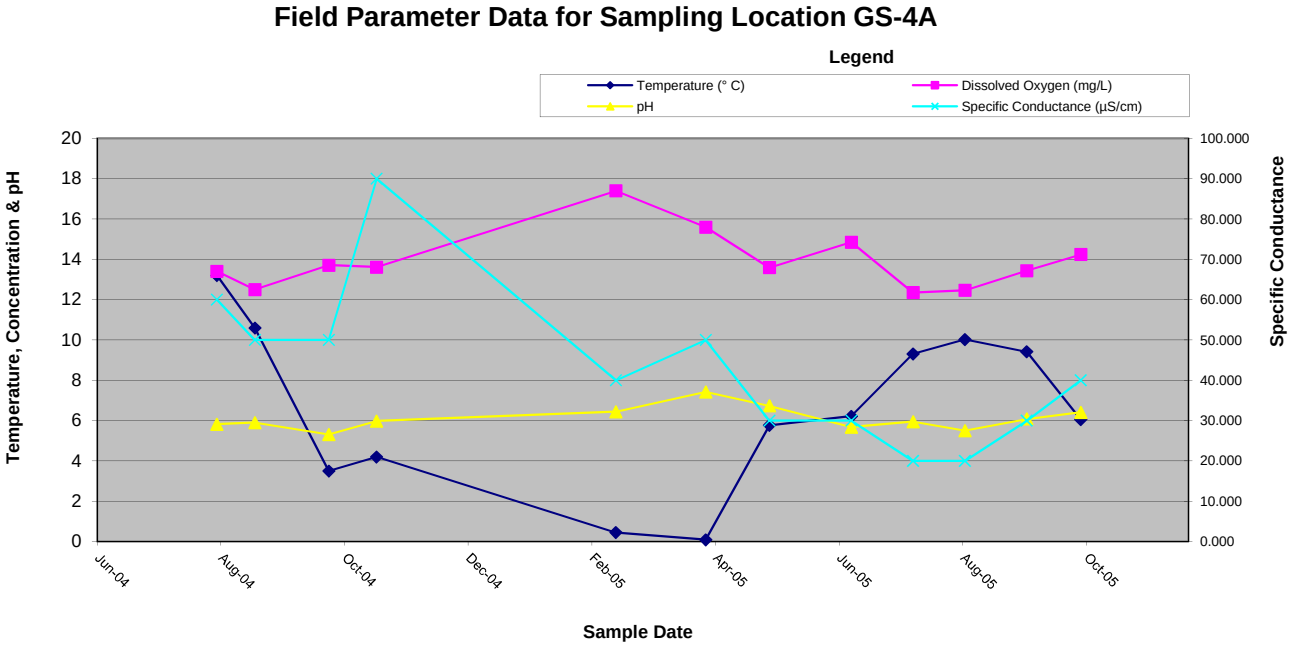
Graphs of Field Parameter Data and Hydrographs for Individual Sampling Locations 2004-2005 Surface Water Transportation-corridor, Bristol Bay Drainages Study Area

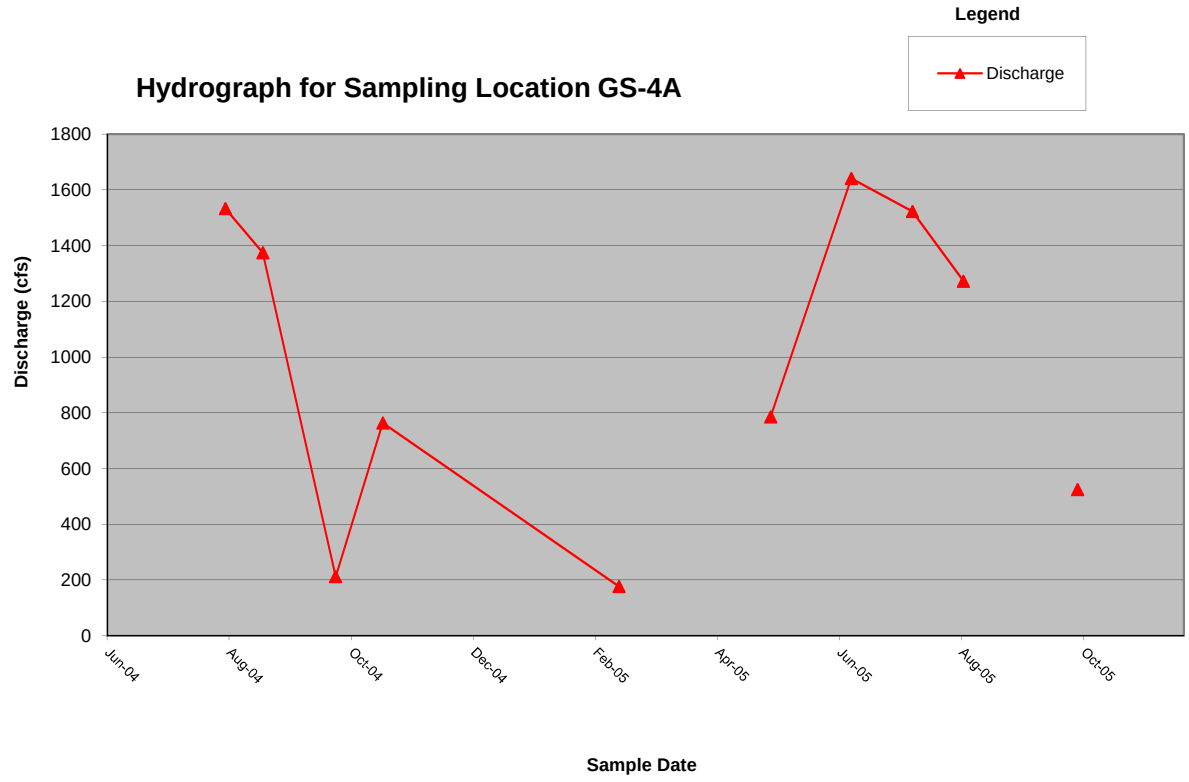
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-3A from 2004-2005.



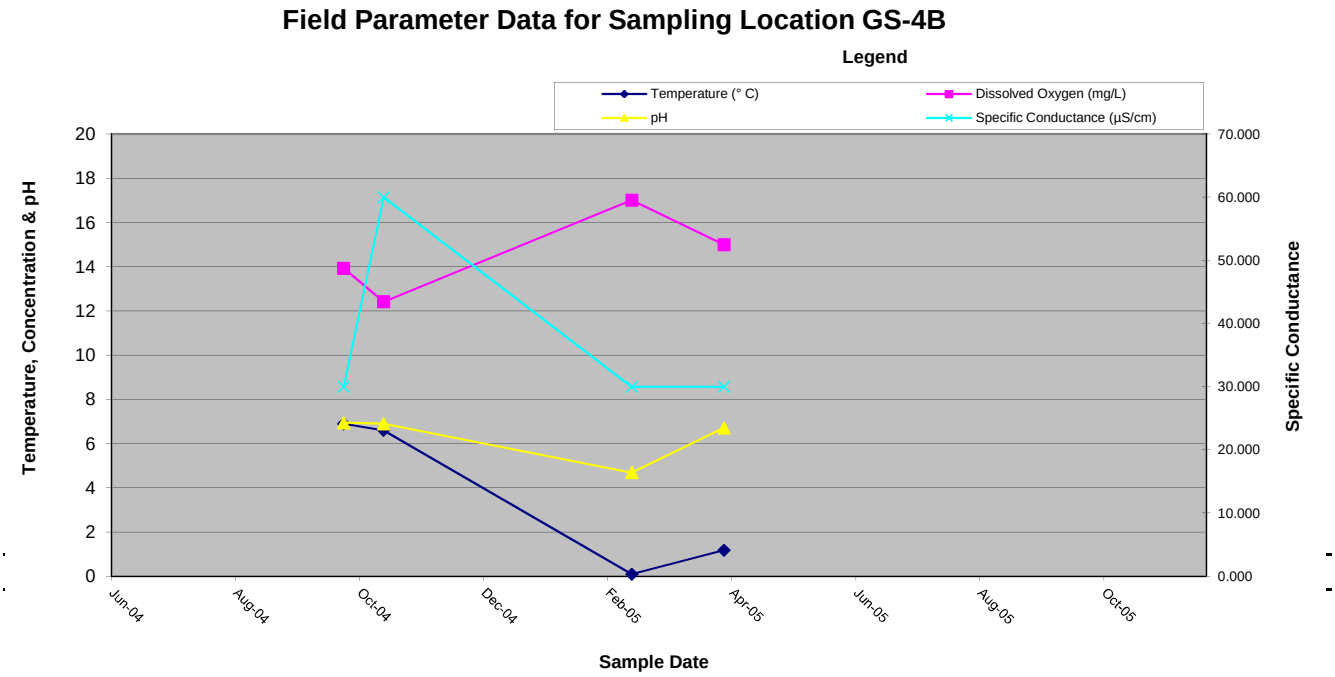


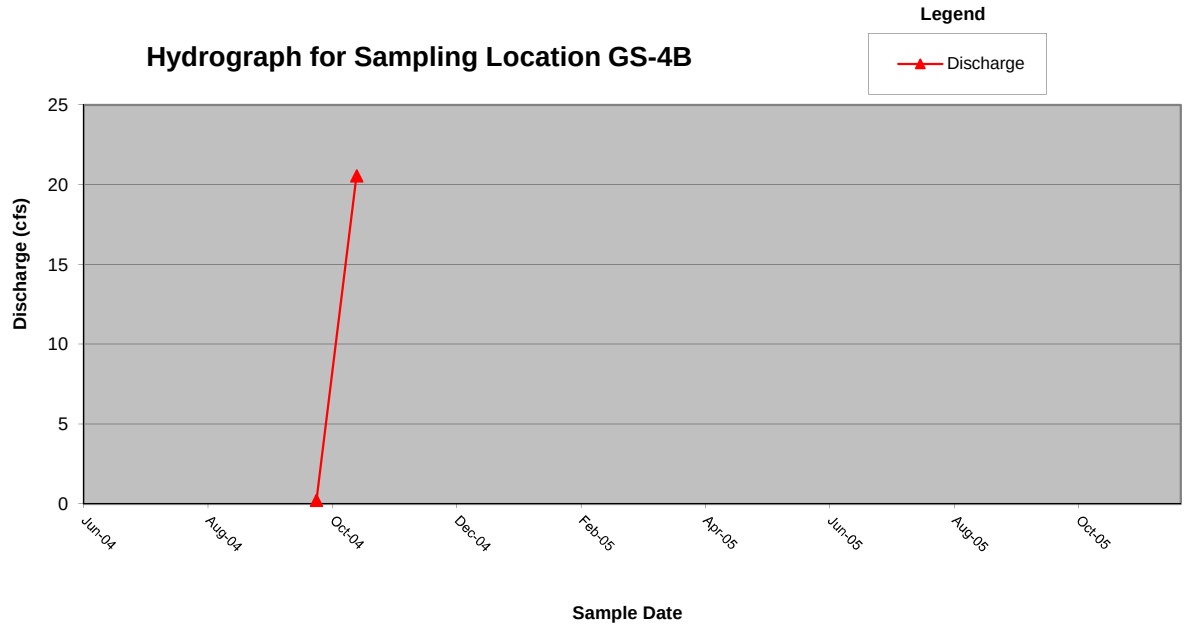
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-4A from 2004-2005.



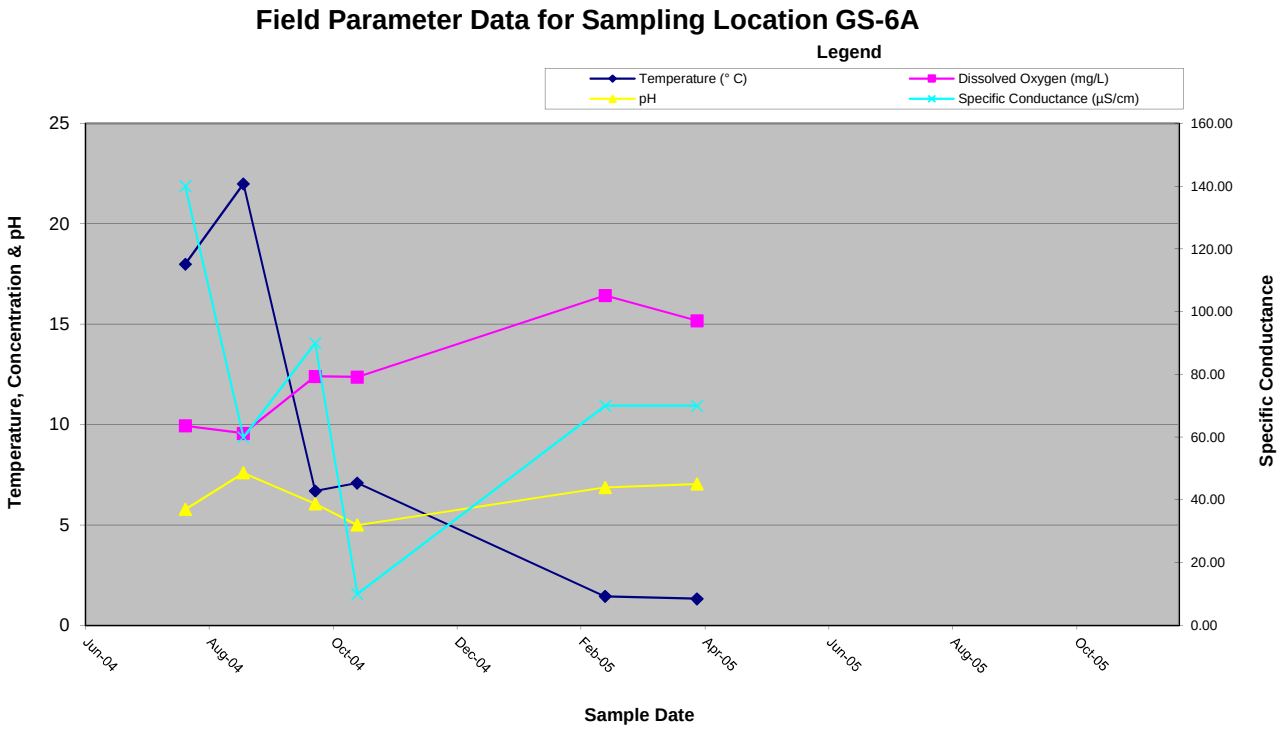


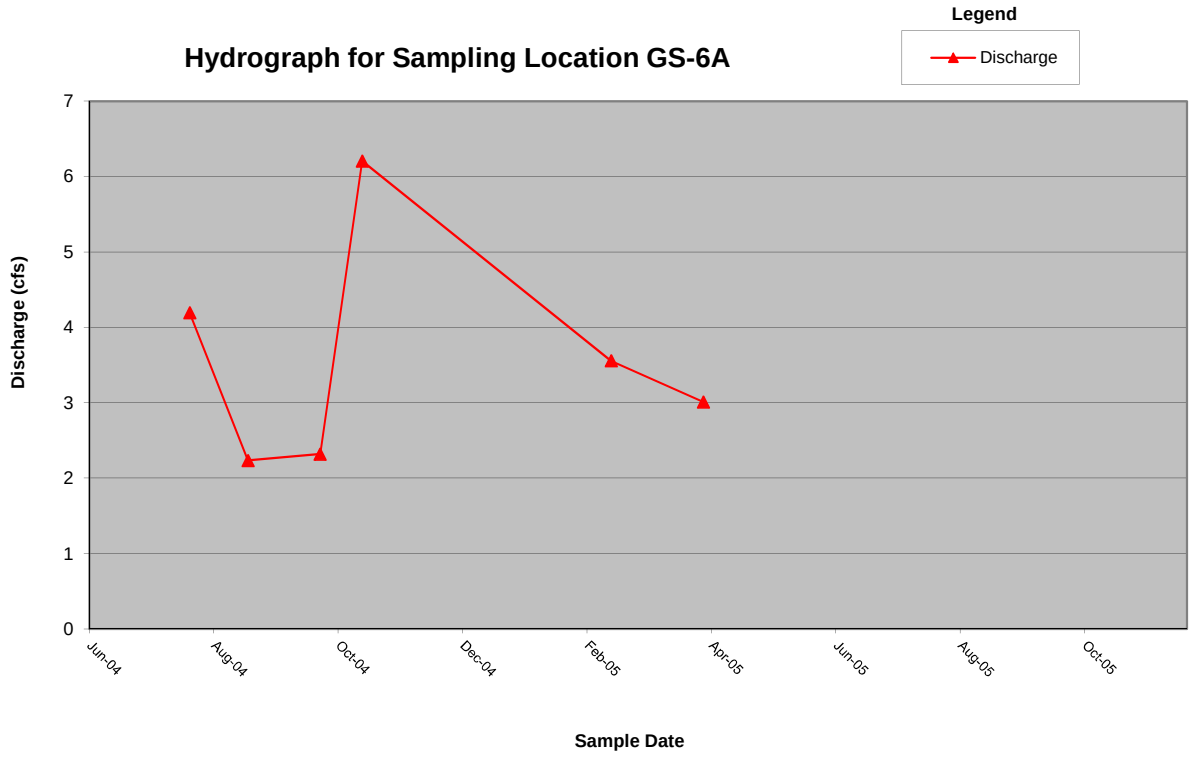
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-4B from 2004-2005.



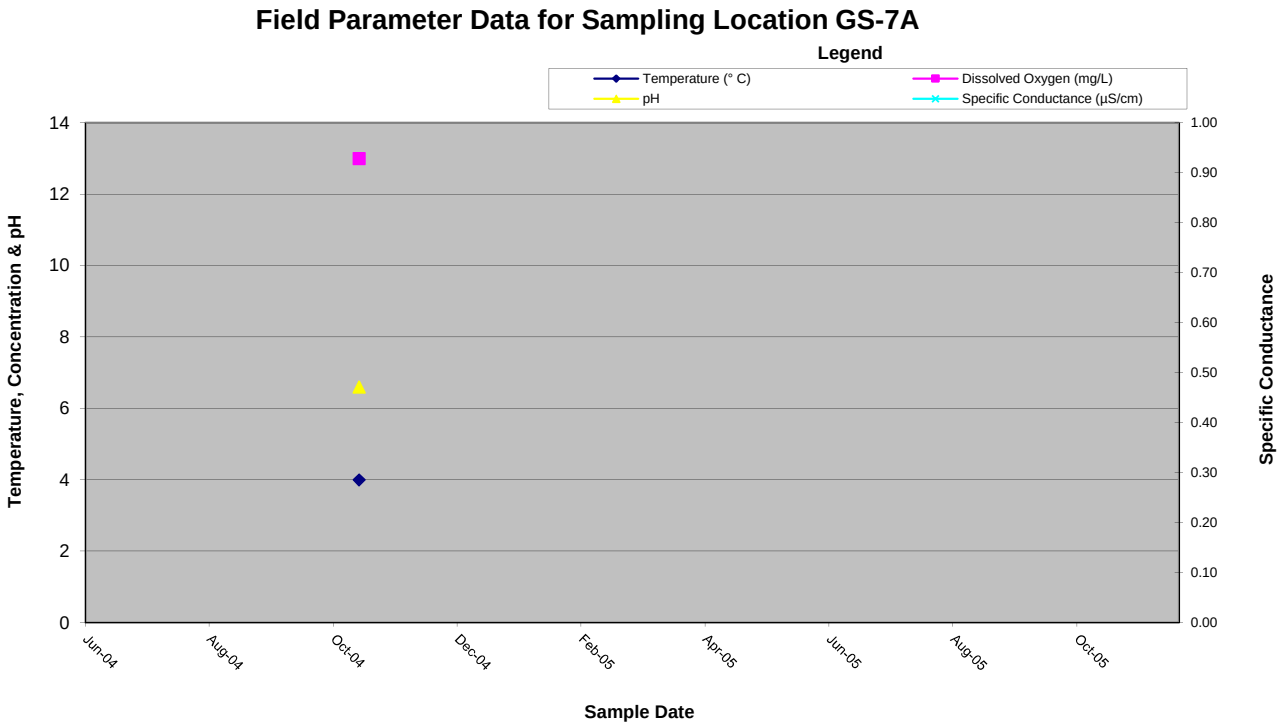


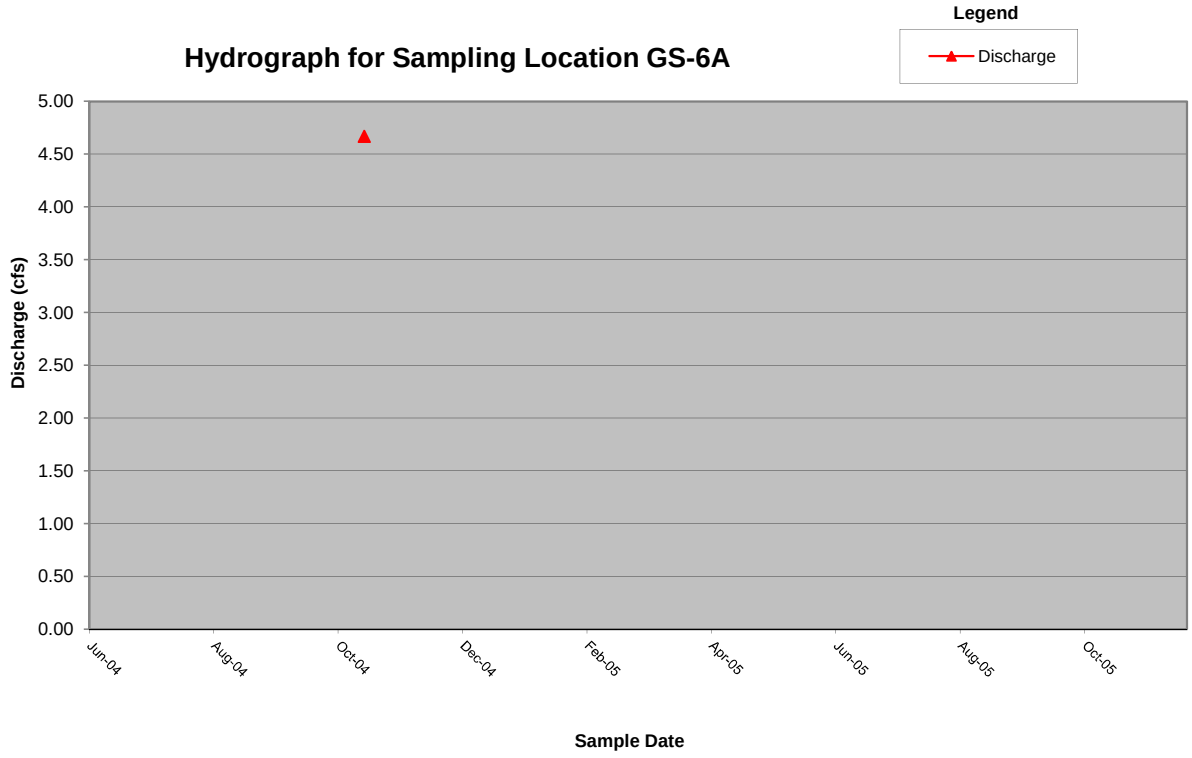
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-6A from 2004-2005.



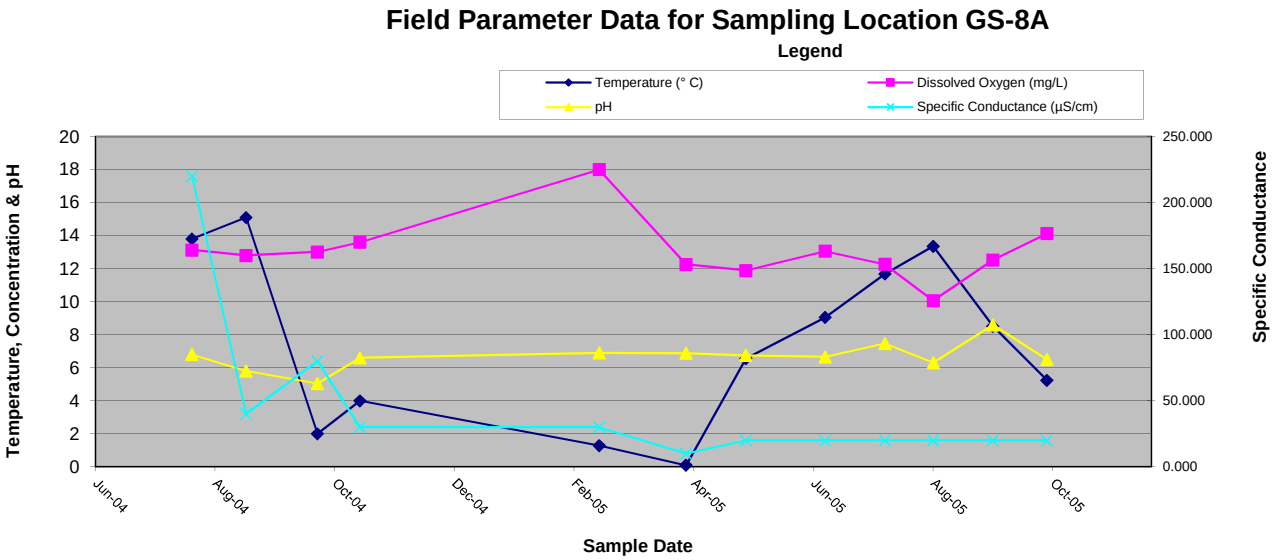


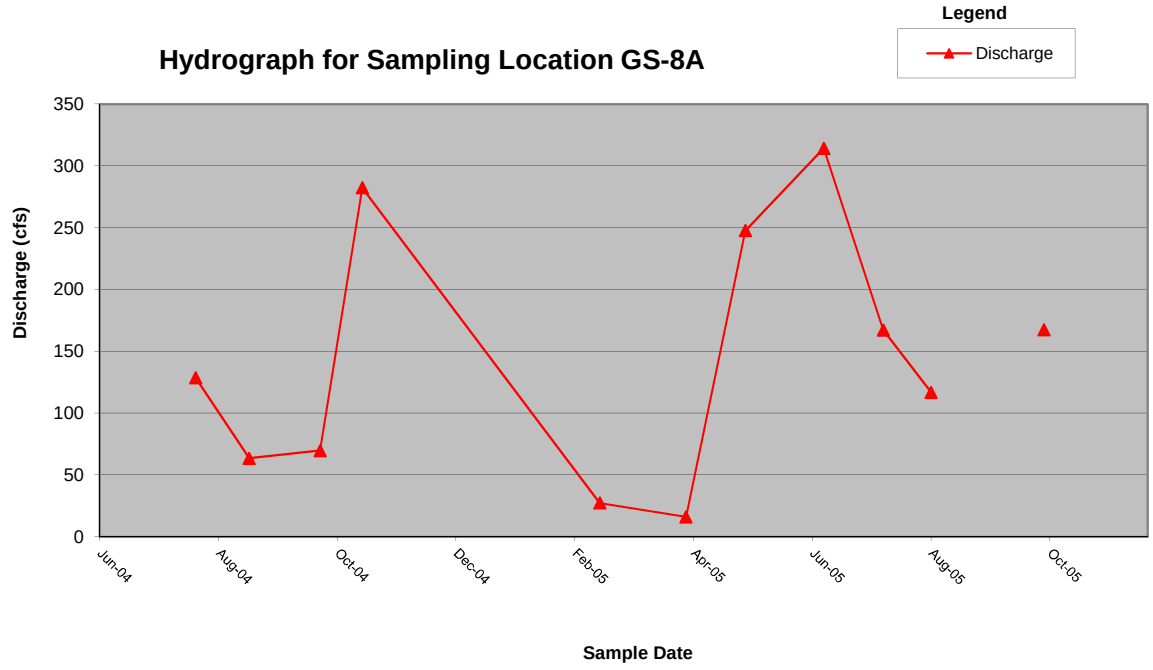
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-7A from 2004-2005.



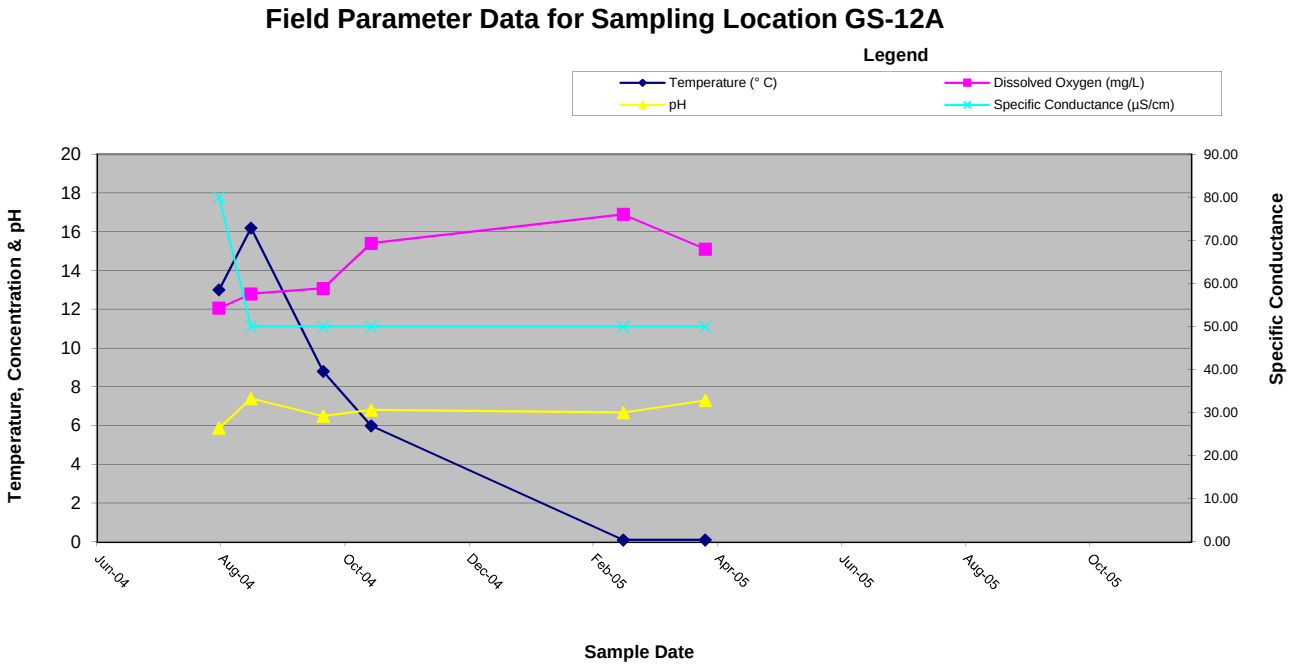


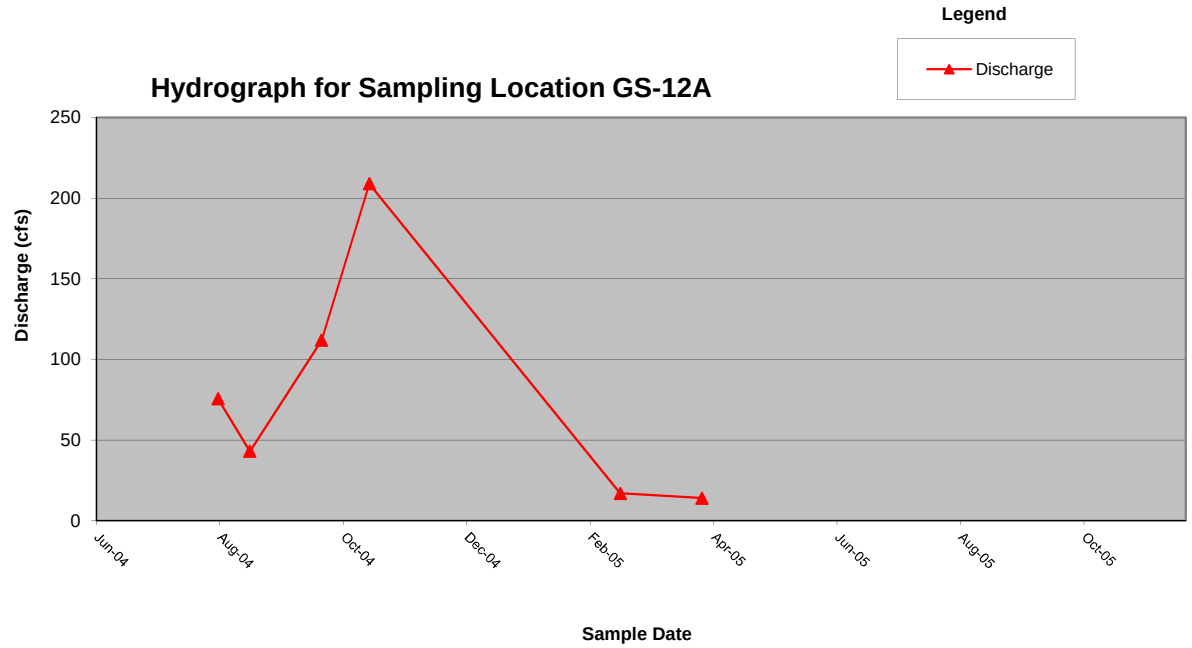
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-8A from 2004-2005.



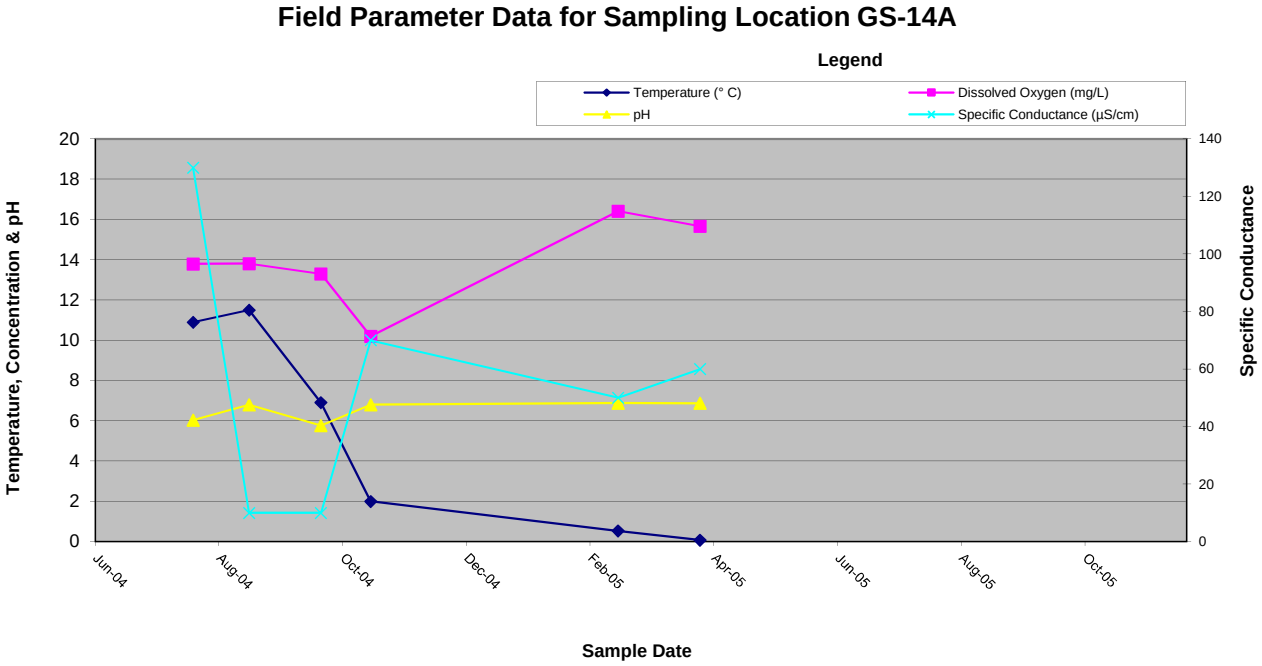


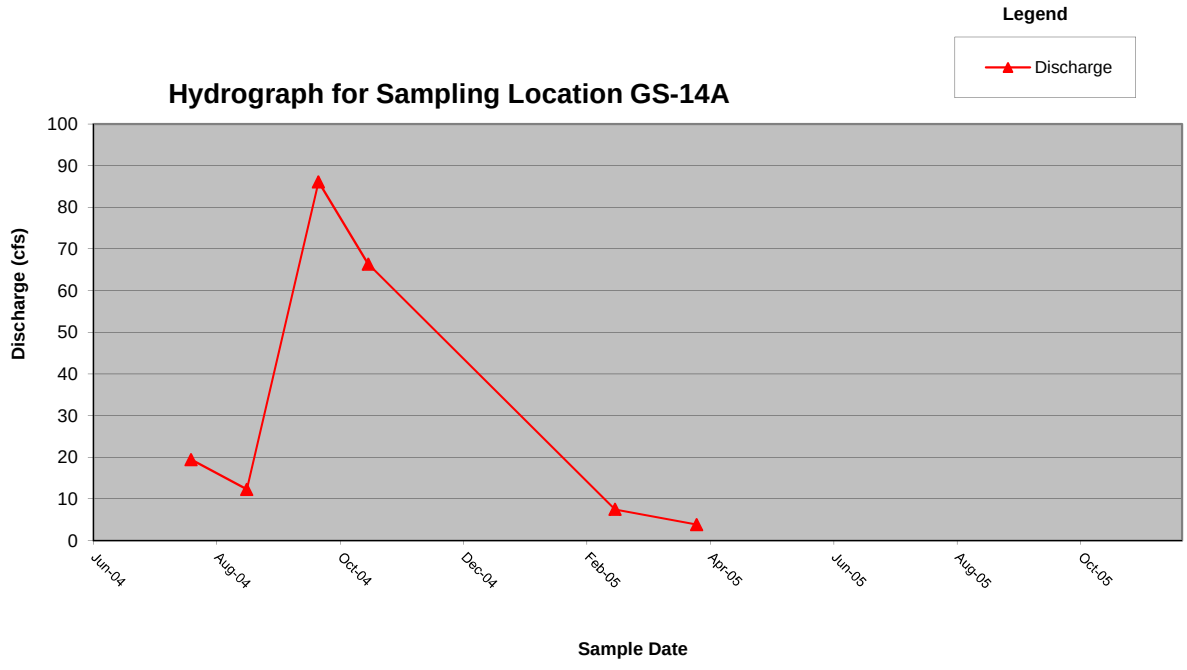
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-12A from 2004-2005.



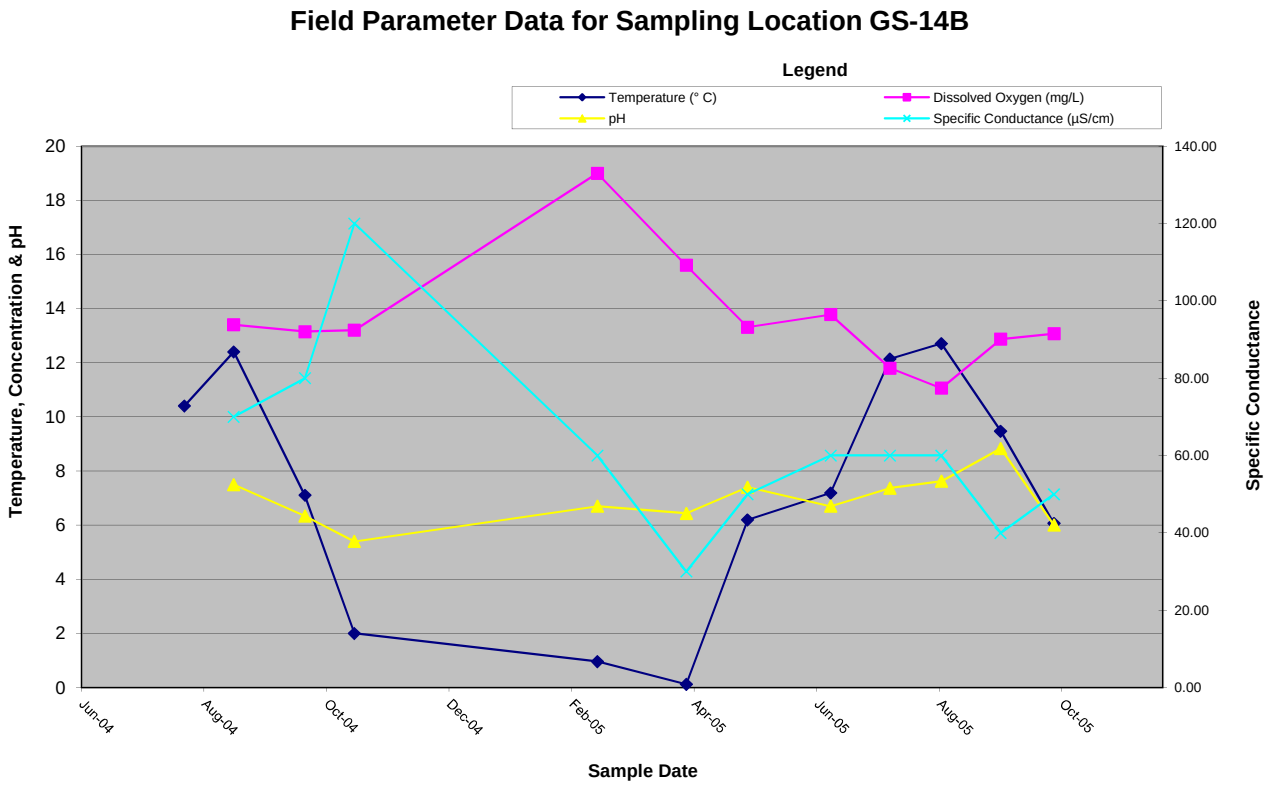


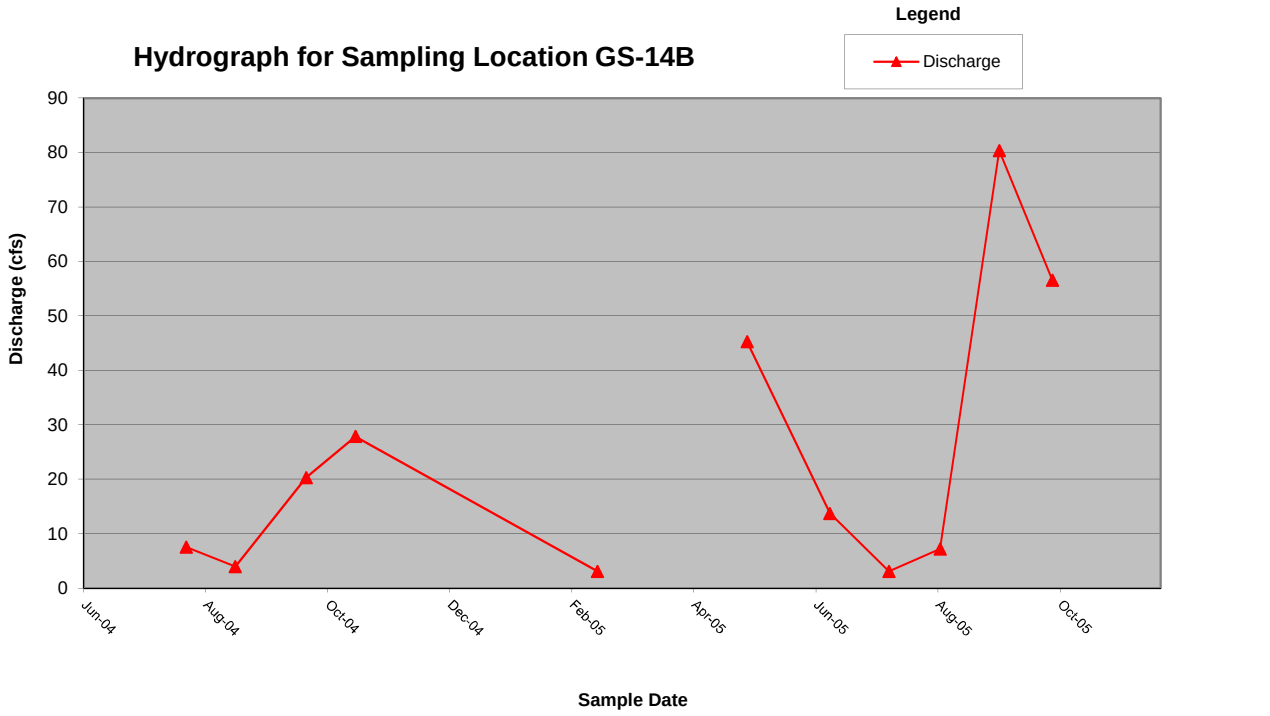
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-14A from 2004-2005.



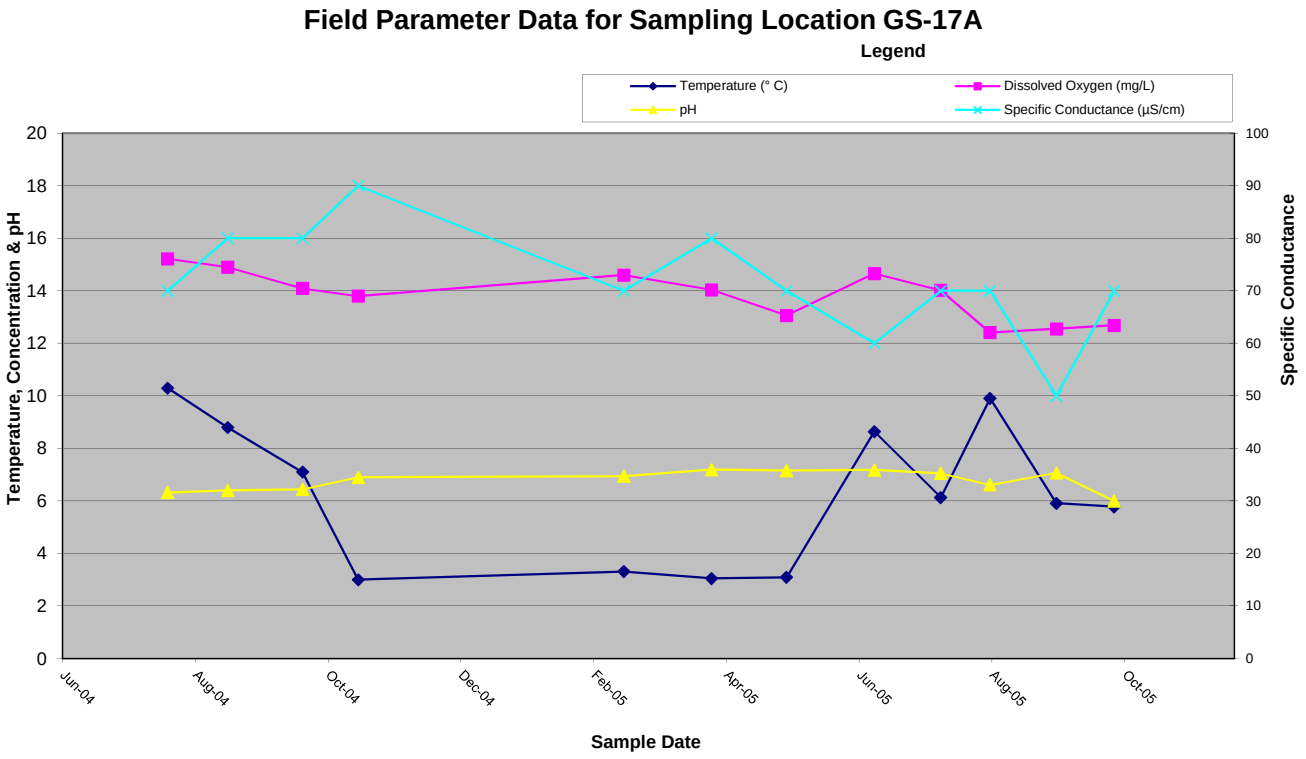


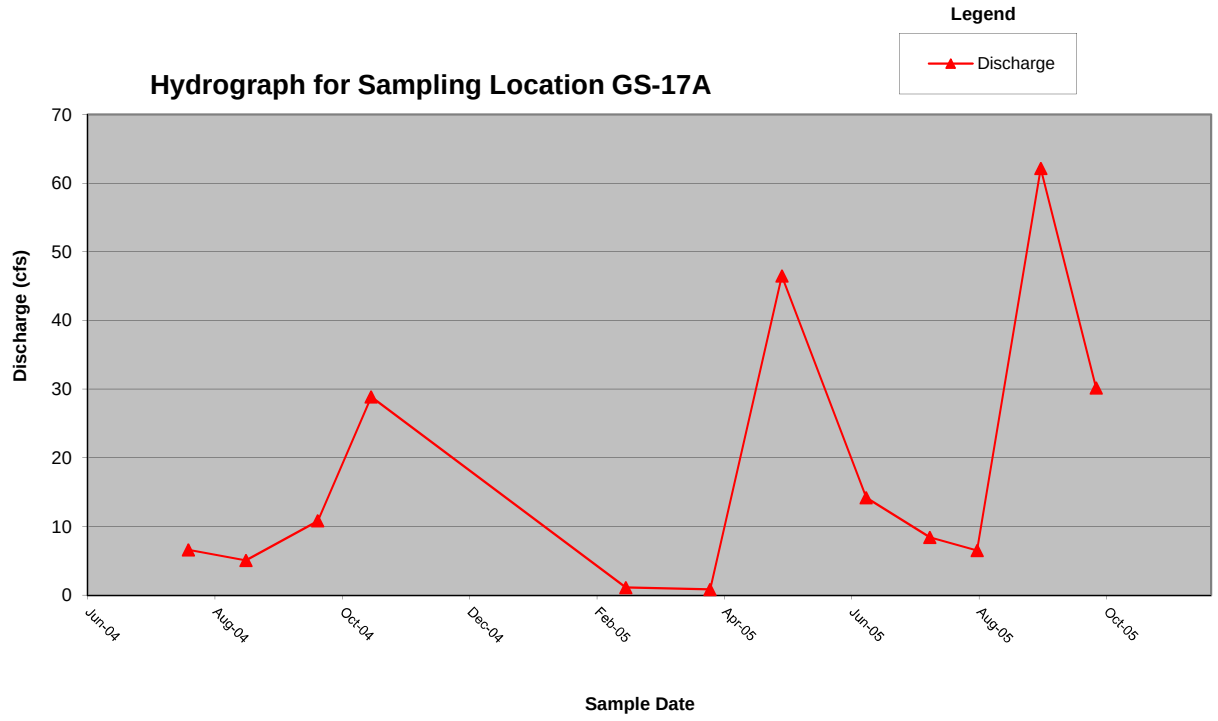
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-14B from 2004-2005.



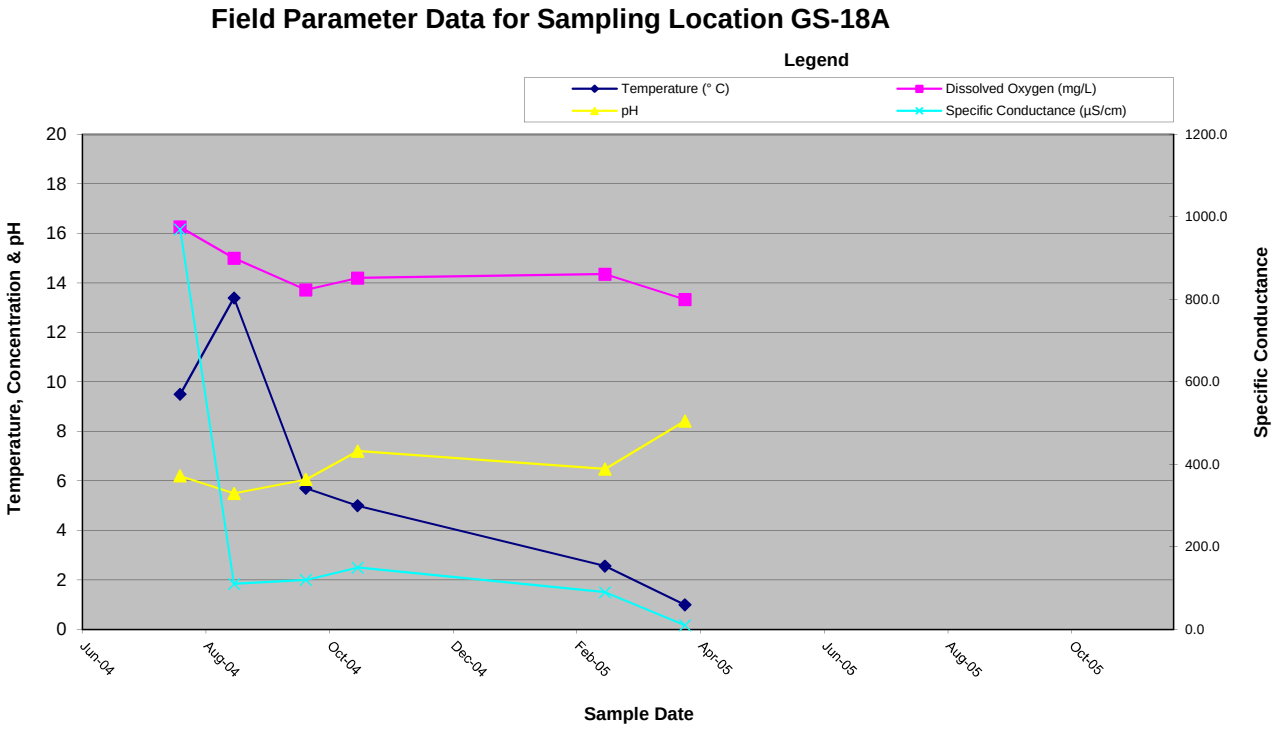


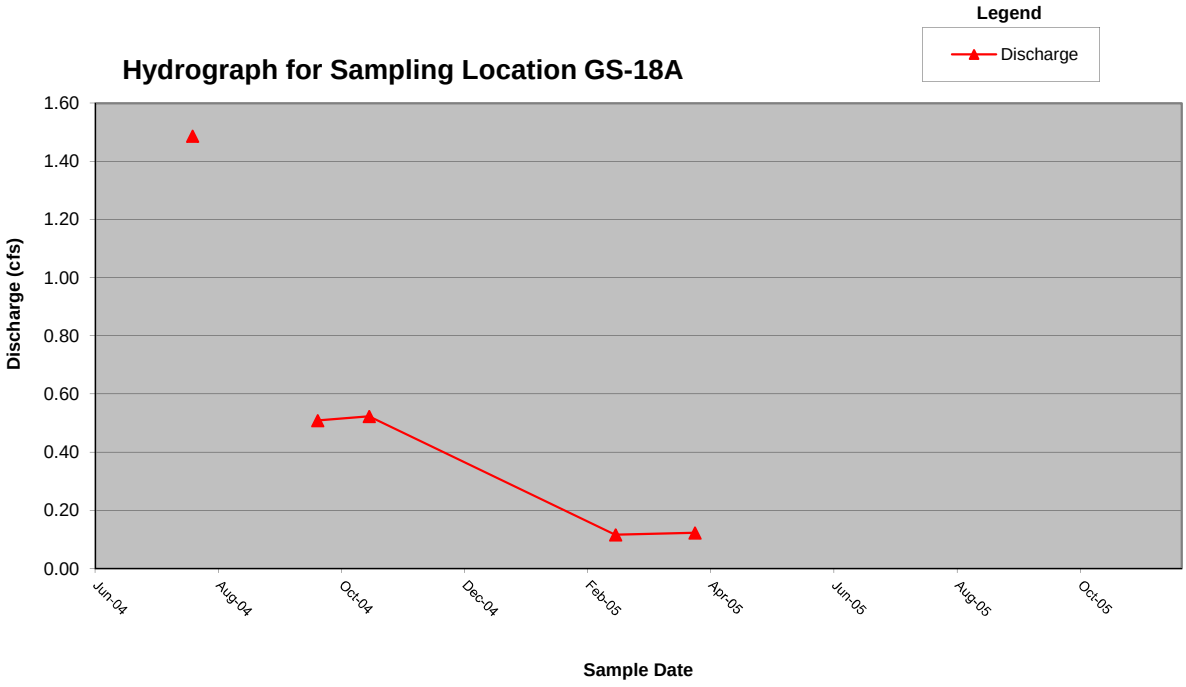
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-17A from 2004-2005.



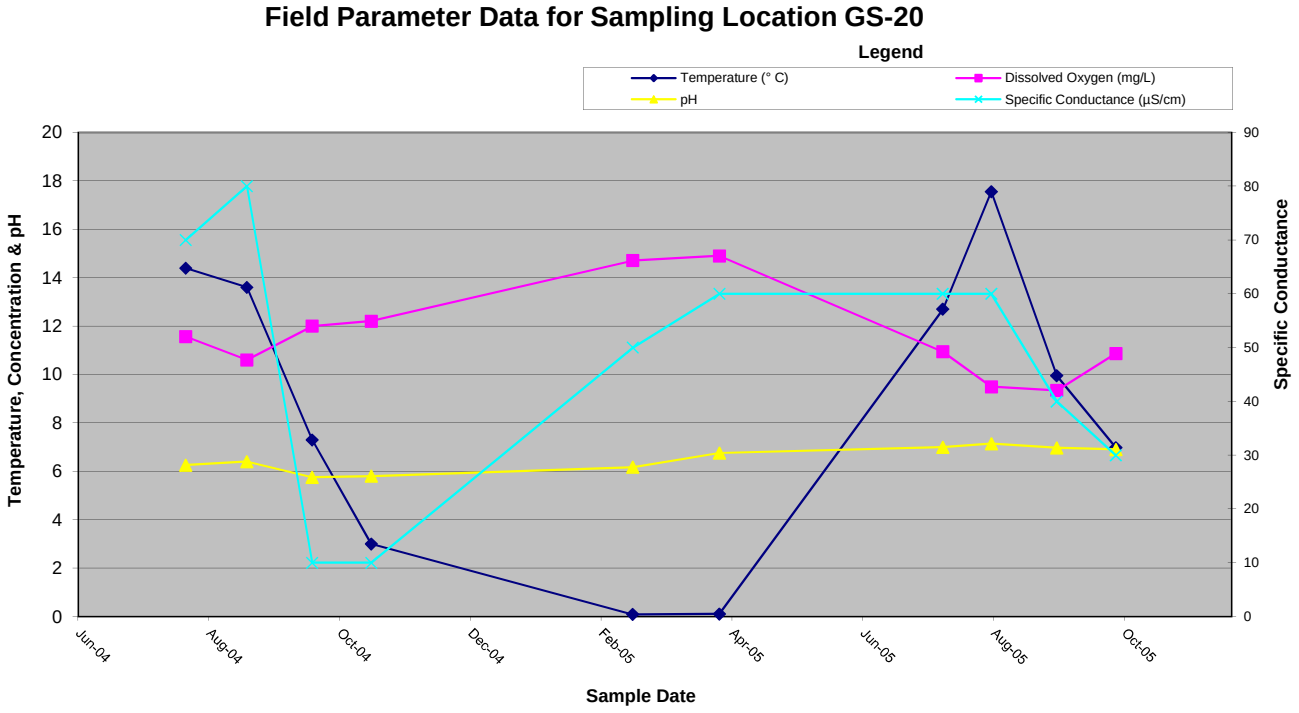


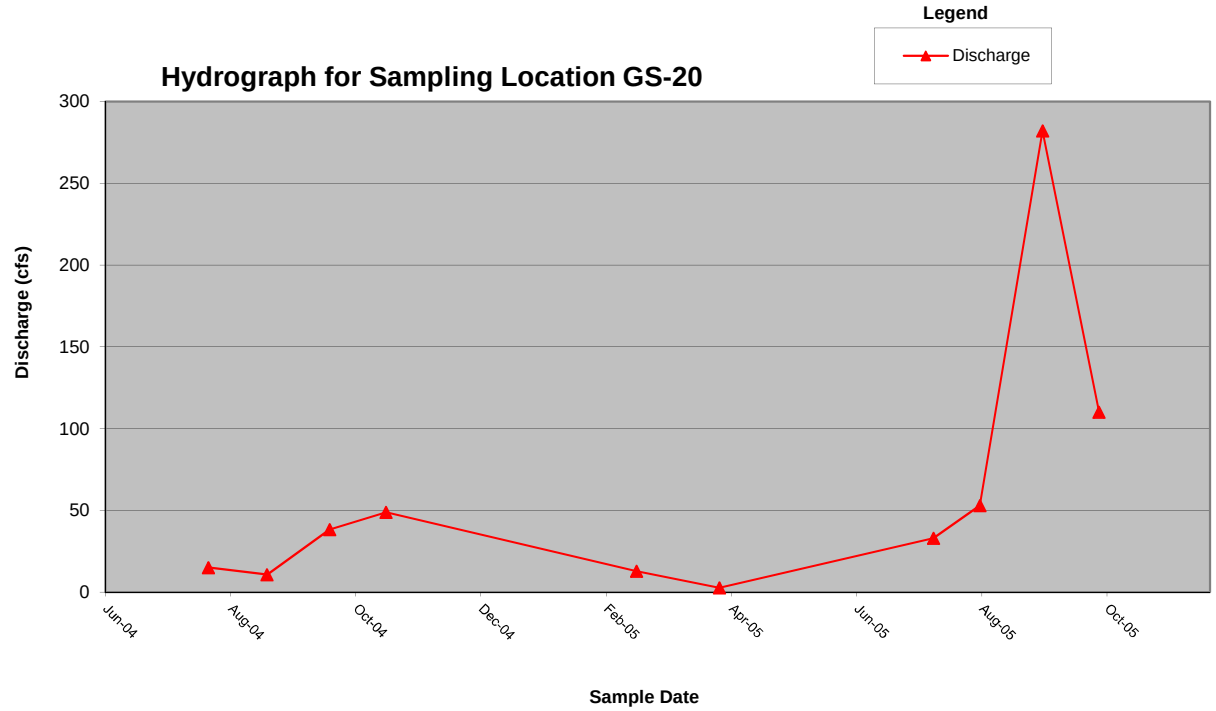
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-18A from 2004-2005.



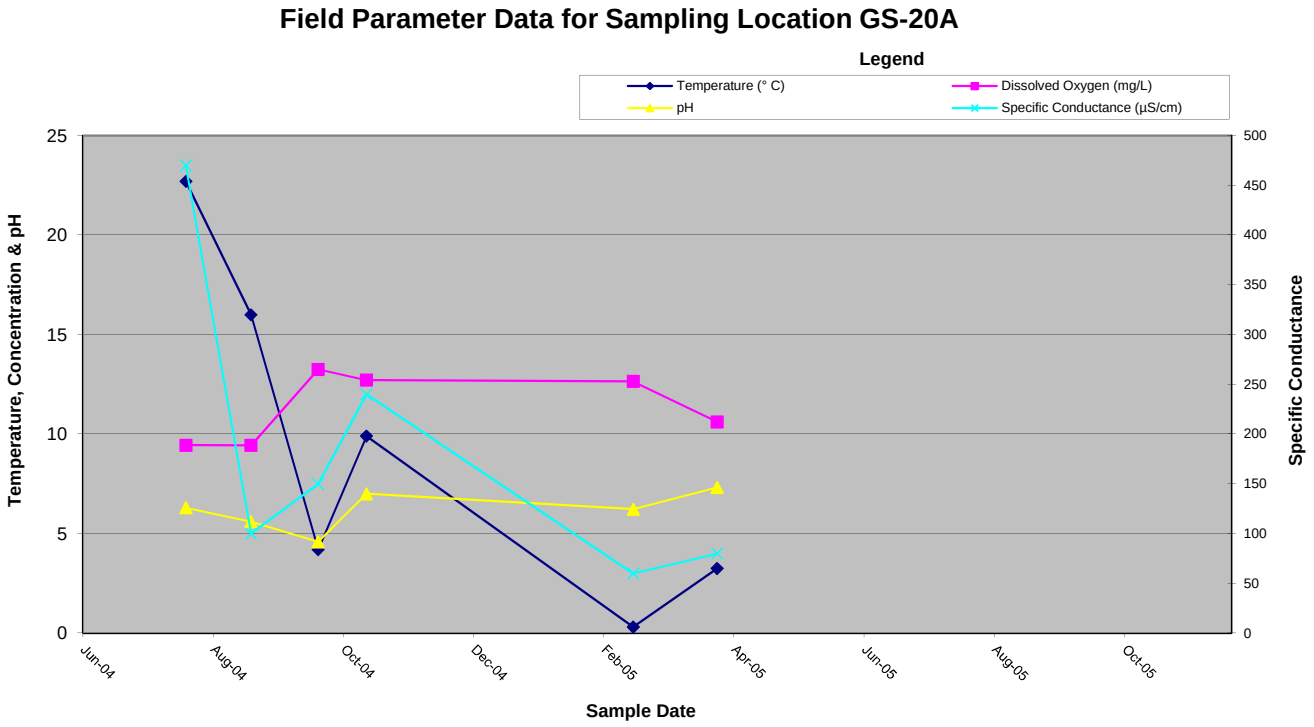


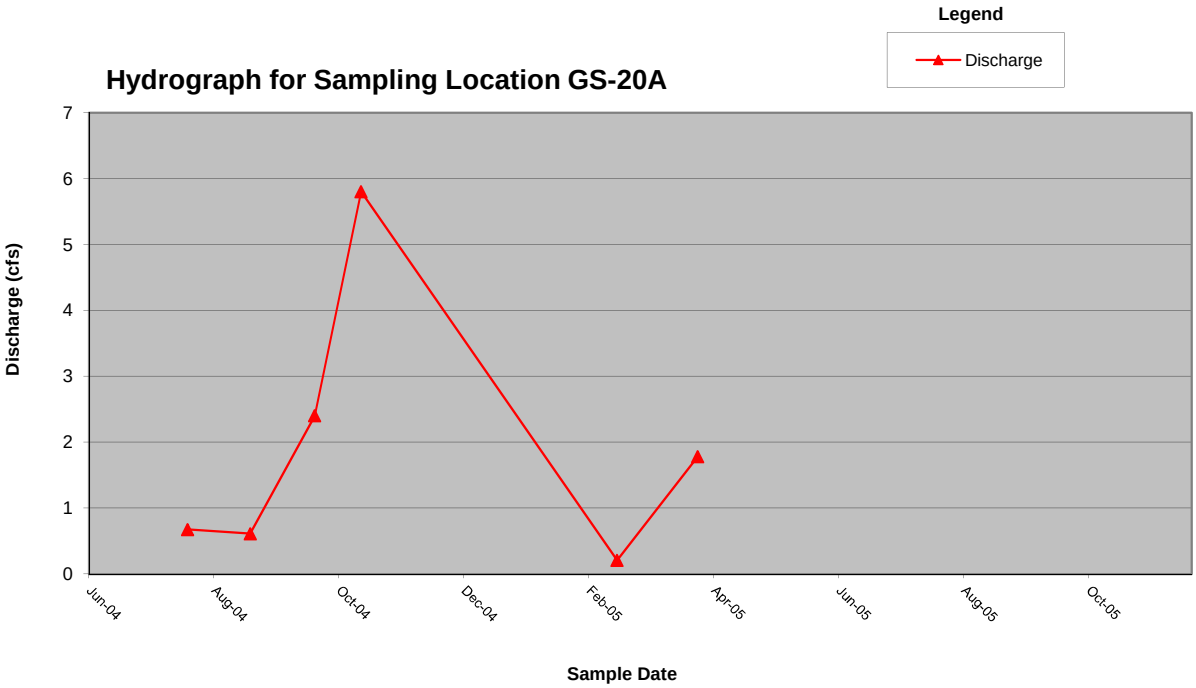
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-20 from 2004-2005.



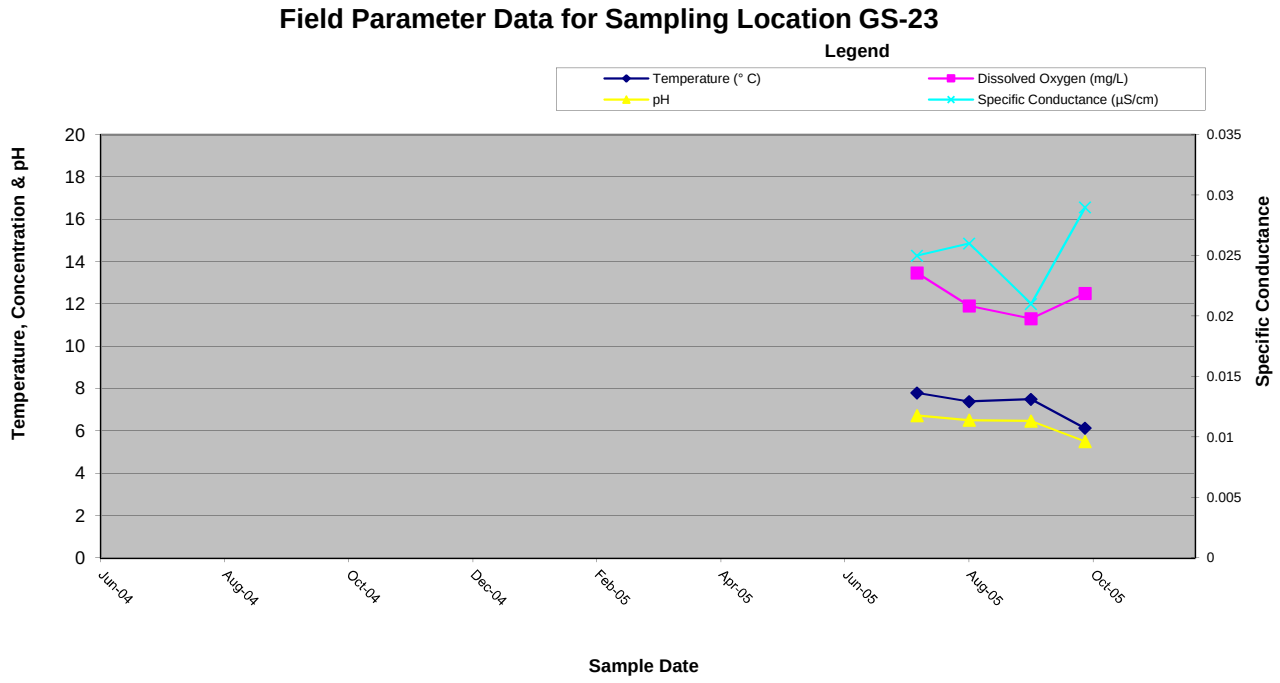


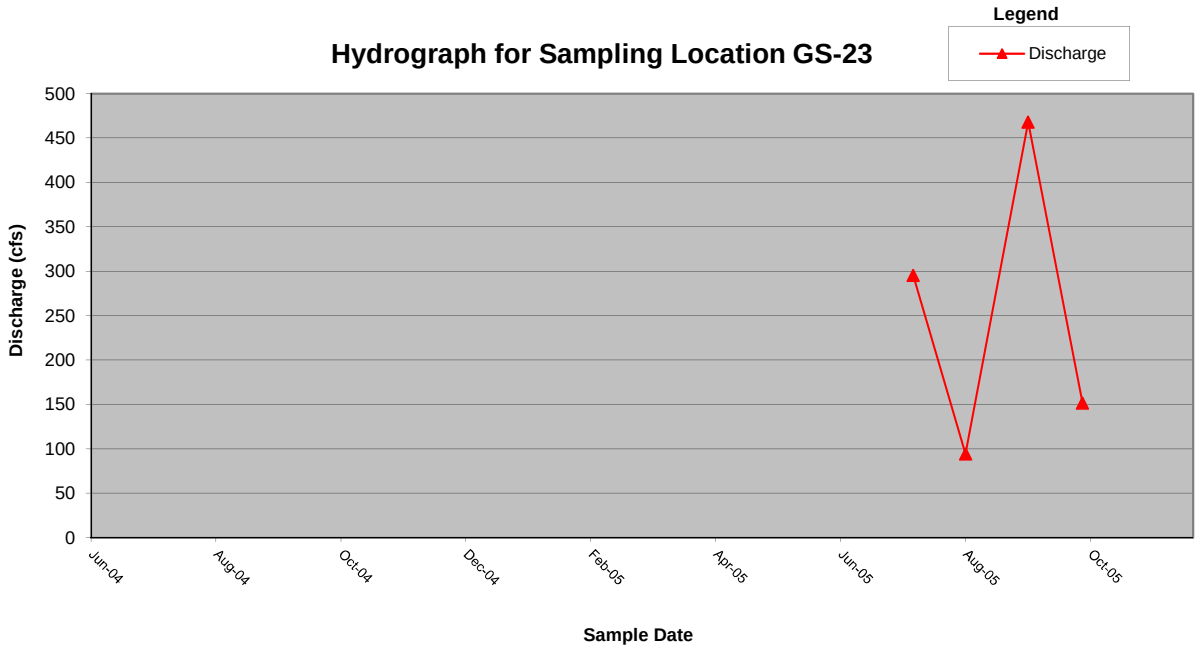
Appendix 9.3B - Graph of field parameter data and hydrograph for GS-20A from 2004-2005.



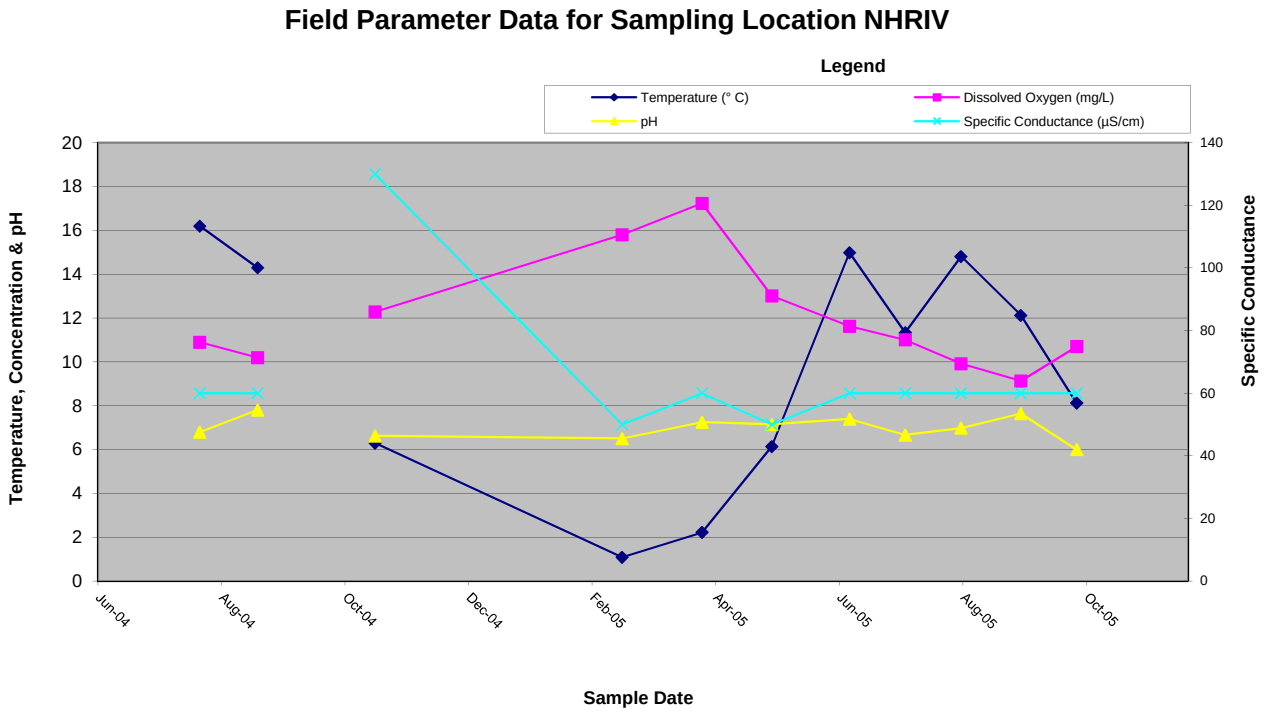


Appendix 9.3B - Graph of field parameter data and hydrograph for GS-23 from 2004-2005.





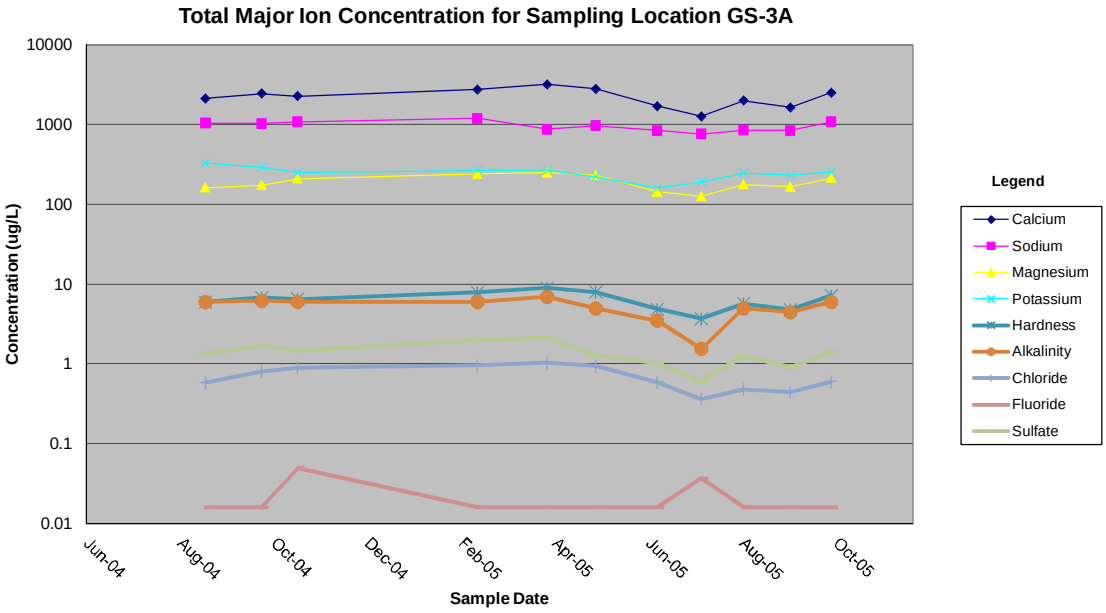
Appendix 9.3B - Graph of field parameter data for NHRIV (Newhalen River) from 2004-2005.

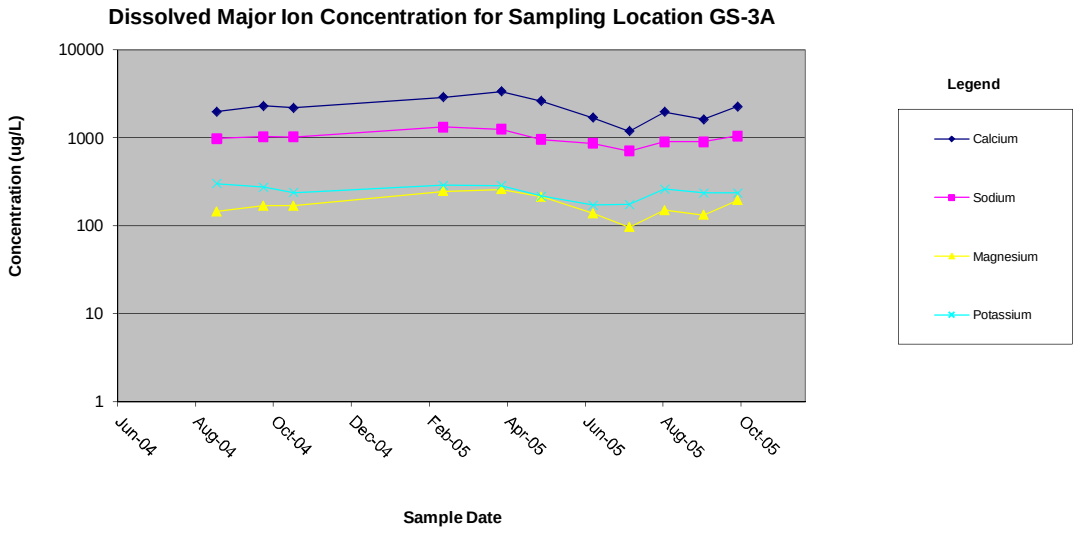


APPENDIX 9.3C

Graphs of Total and Dissolved Major Ions for Individual Sampling Locations
2004-2005 Surface Water
Transportation-corridor, Bristol Bay Drainages Study Area

Appendix 9.3C - Graph of total and dissolved major ions for GS-3A from 2004-2005.



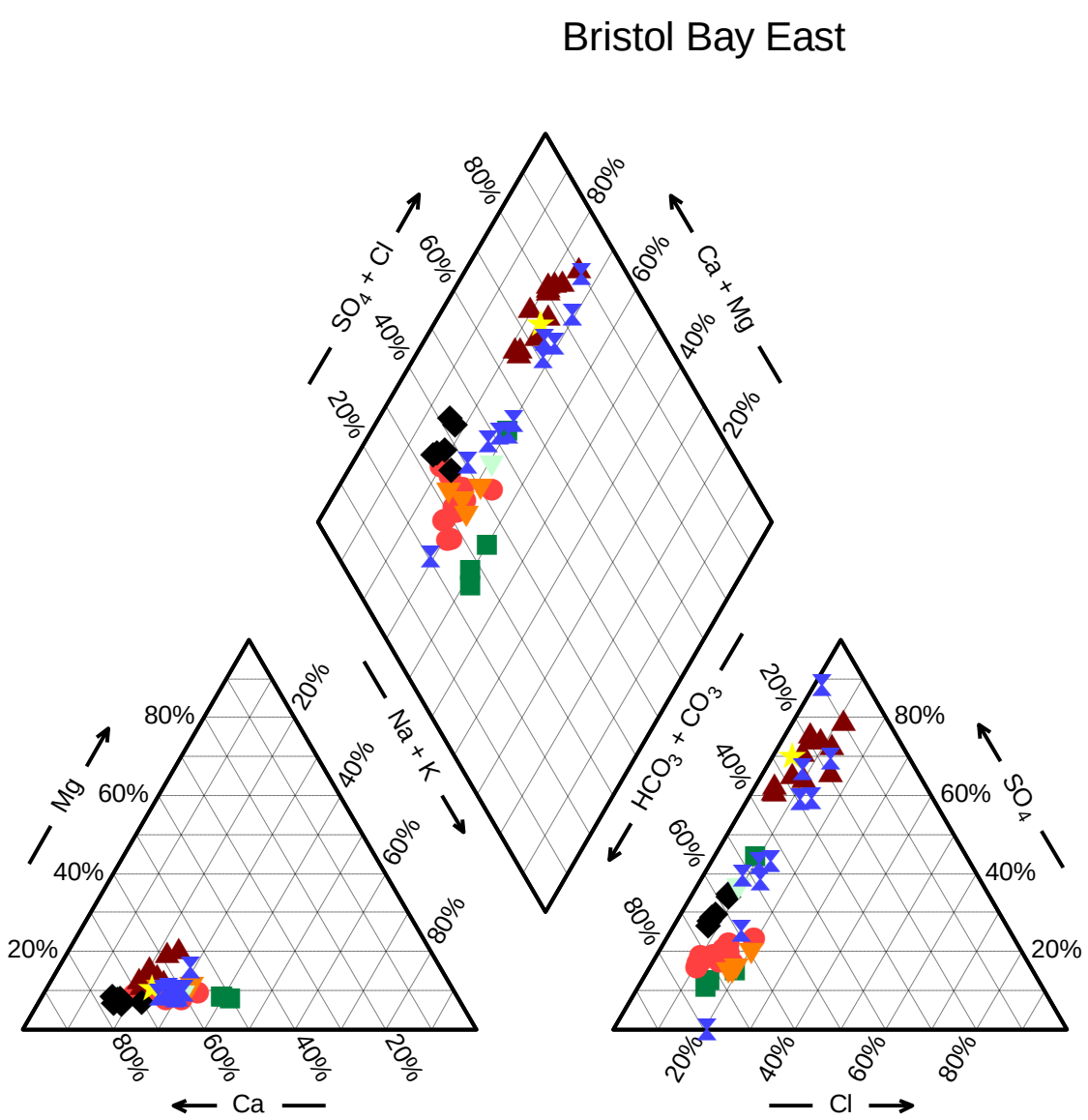


APPENDIX 9.3D

Piper Diagrams
2004-2005 Surface Water
Transportation-corridor, Bristol Bay Drainages Study Area
Eastern and Western Sample Groups

Transportation-Corridor, Bristol Bay Drainages Study Area

Eastern Sample Stations Piper Diagram



Legend

- Sampling Location GS23
- Sampling Location GS3A
- sampling Location GS4A
- Sampling Location GS4B
- Sampling Location GS6A
- Sampling Location G7A
- Sampling Location GS8A

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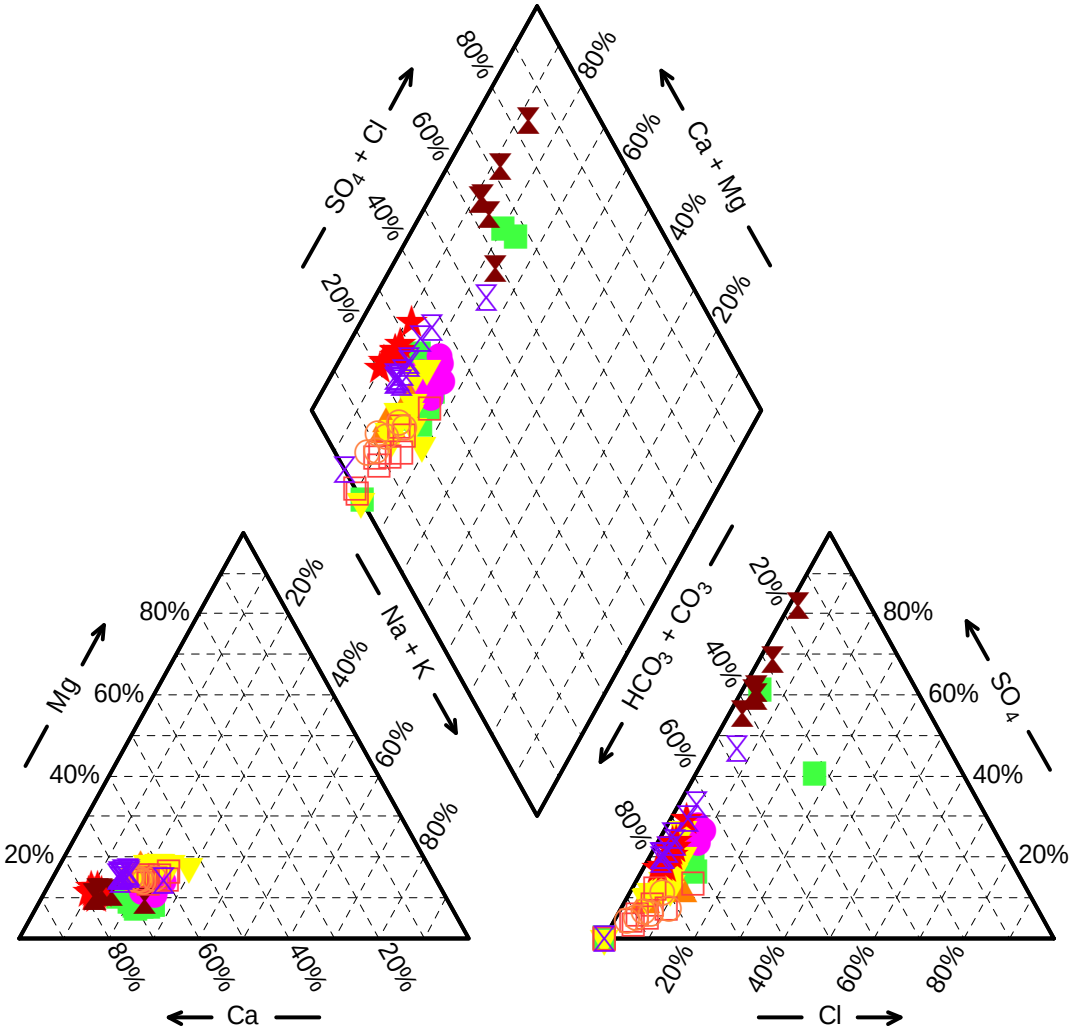
Transportation-Corridor, Bristol Bay Drainages Study Area

Western Sample Stations Piper Diagram



Legend

- Sampling Location GS11A
- Sampling Location GS12A
- Sampling Location GS14B
- Sampling Location GS17A
- Sampling Location GS18A
- Sampling Location GS20
- Sampling Location GS20A
- Sampling Location NHRIV

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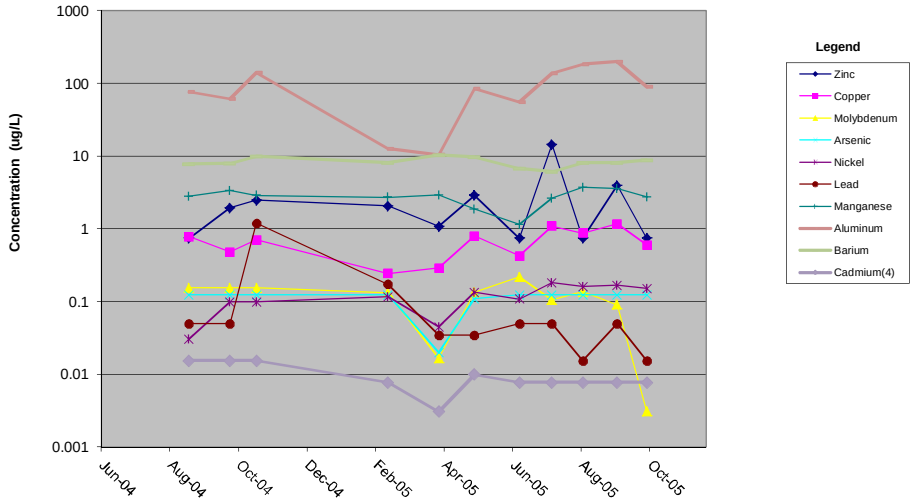
APPENDIX 9.3E

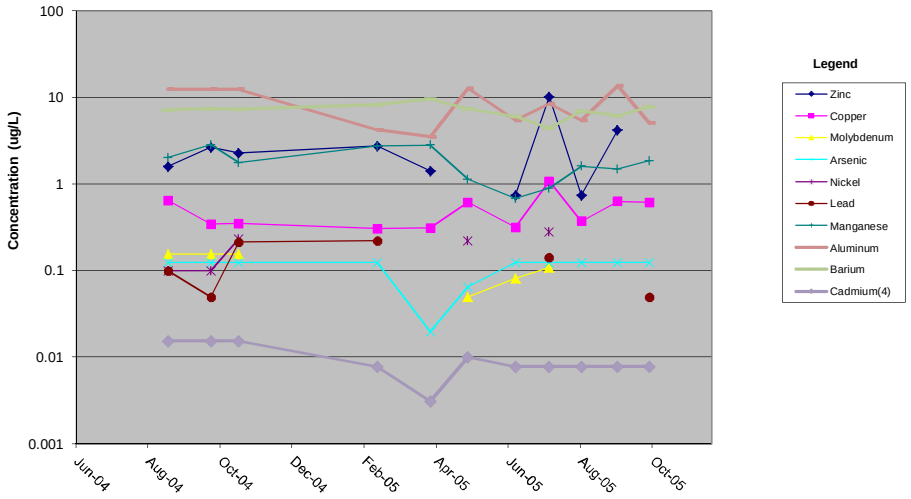
Graphs of Total and Dissolved Trace Elements for Individual Sampling Locations 2004-2005 Surface Water Transportation-corridor, Bristol Bay Drainages Study Area

Appendix 9.3 E - Graph of total and dissolved trace elements for GS-3A.

Total Trace Element Concentration for Sampling Location GS-3A

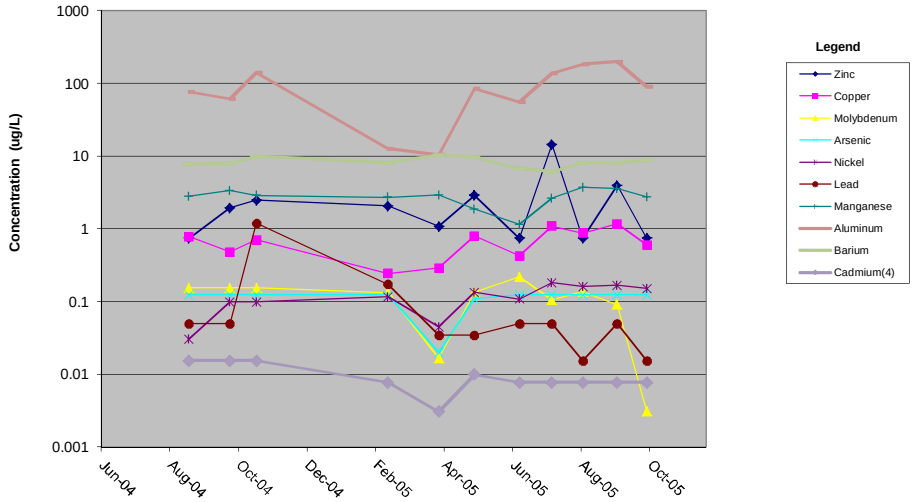


Dissolved Trace Element Concentration for Sampling Location GS-3A

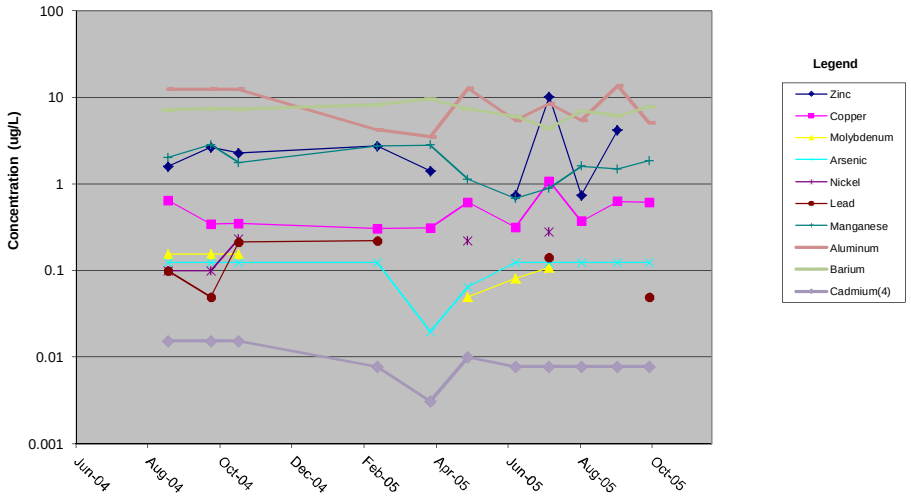


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-3A.

Total Trace Element Concentration for Sampling Location GS-3A

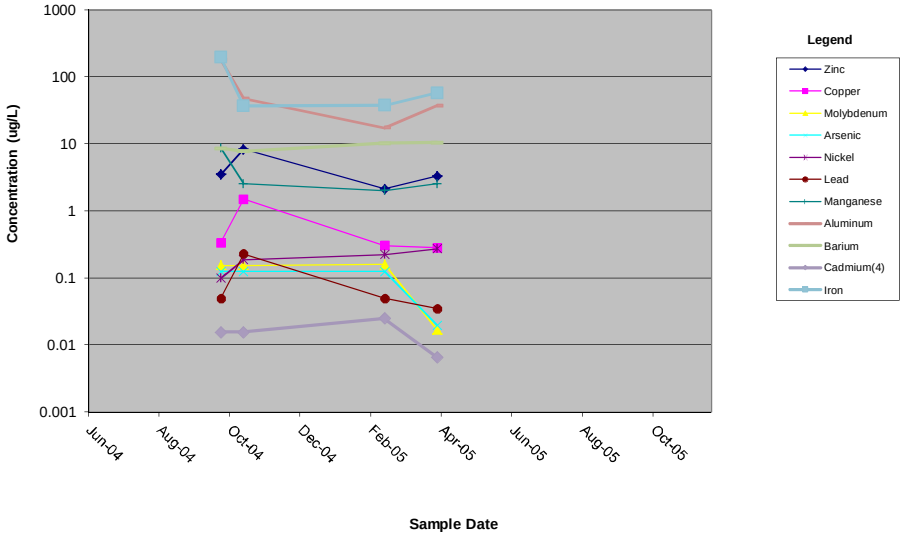


Dissolved Trace Element Concentration for Sampling Location GS-3A

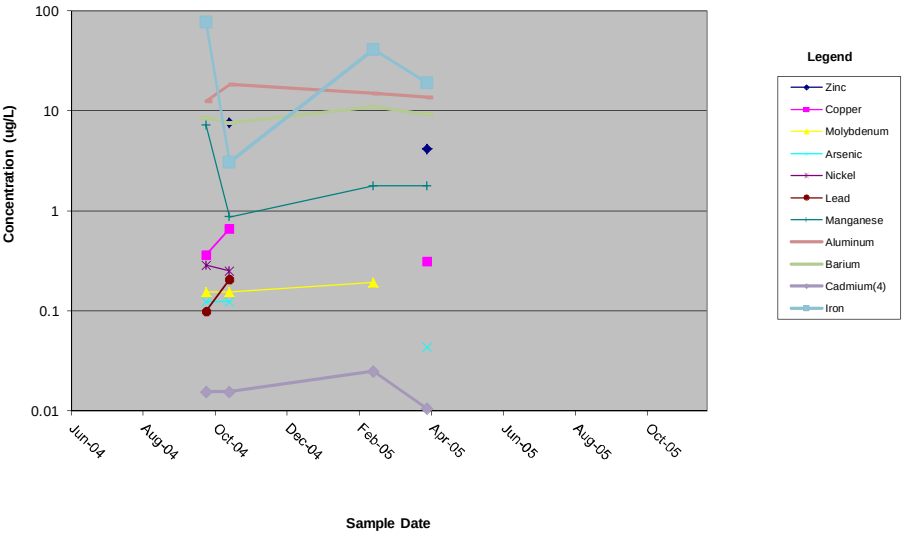


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-4B.

Total Trace Element Concentration for Sampling Location GS-4B

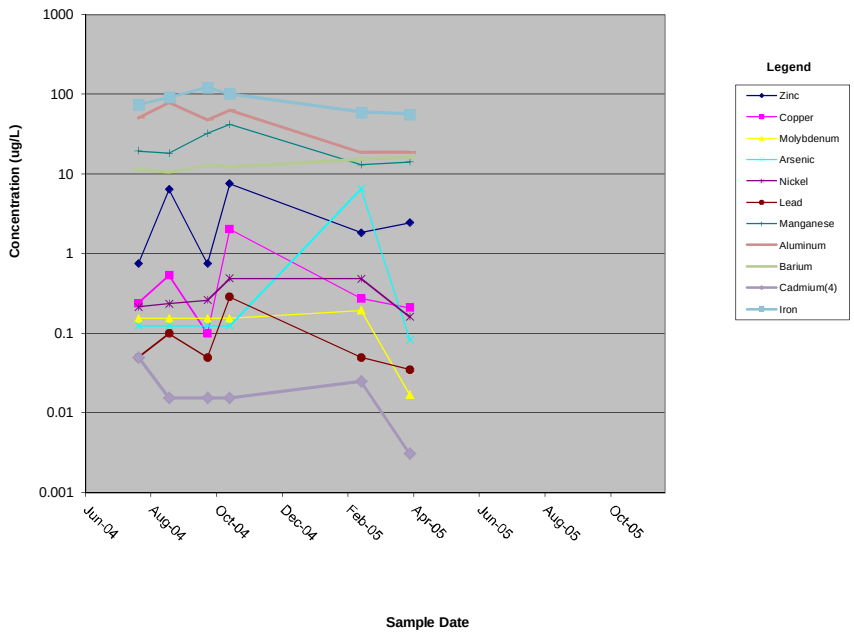


Dissolved Trace Metal Concentration for Sampling Location GS-4B

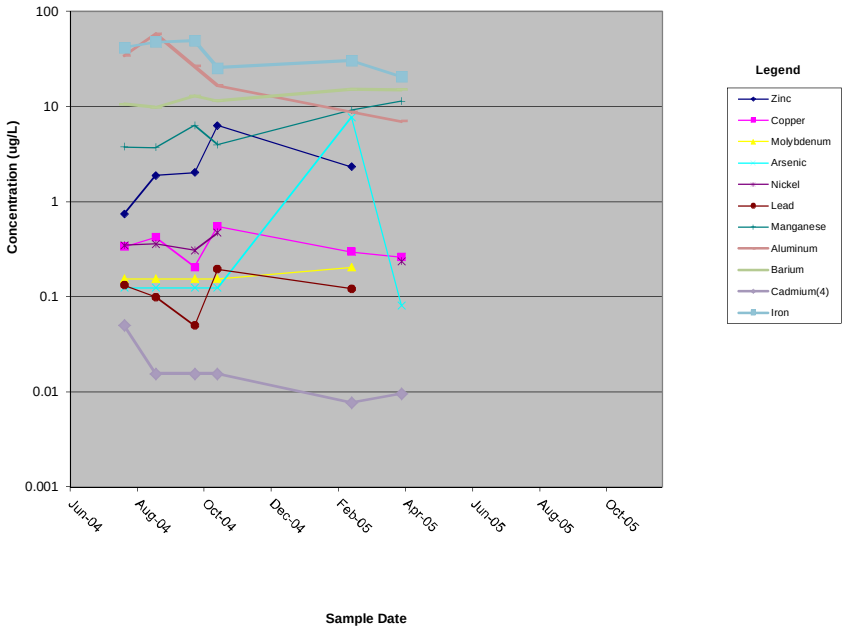


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-6A.

Total Trace Element Concentration for Sampling Location GS-6A

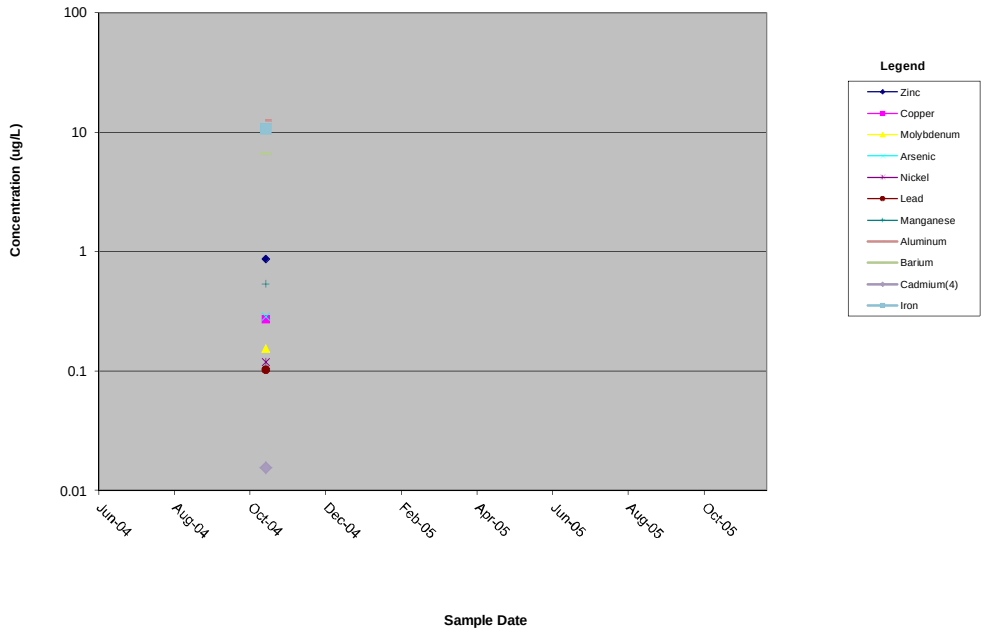


Dissolved Trace Element Concentration for Sampling Location GS-6A

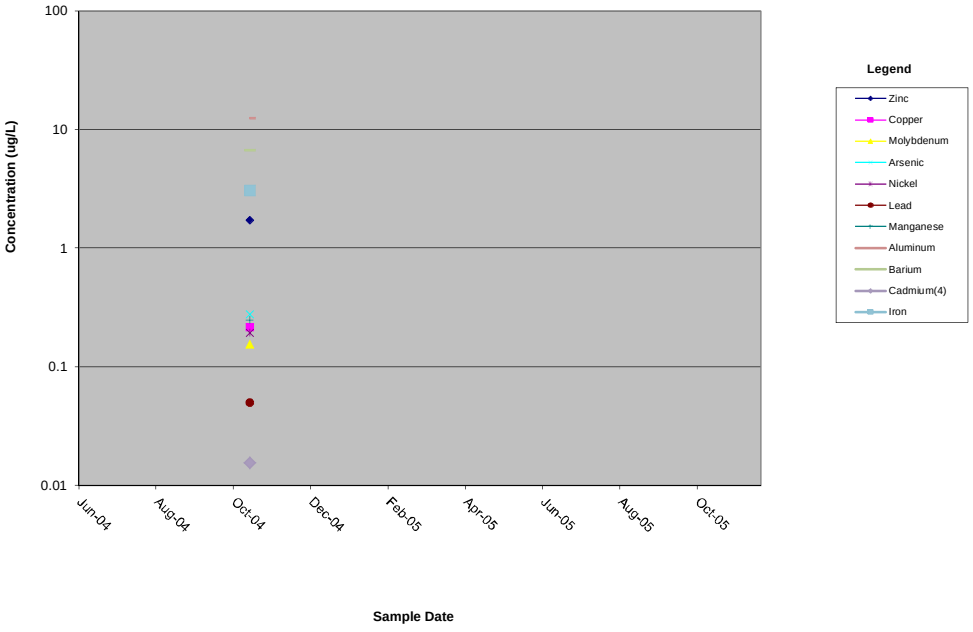


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-7A.

Total Trace Element Concentration for Sampling Location GS-7A

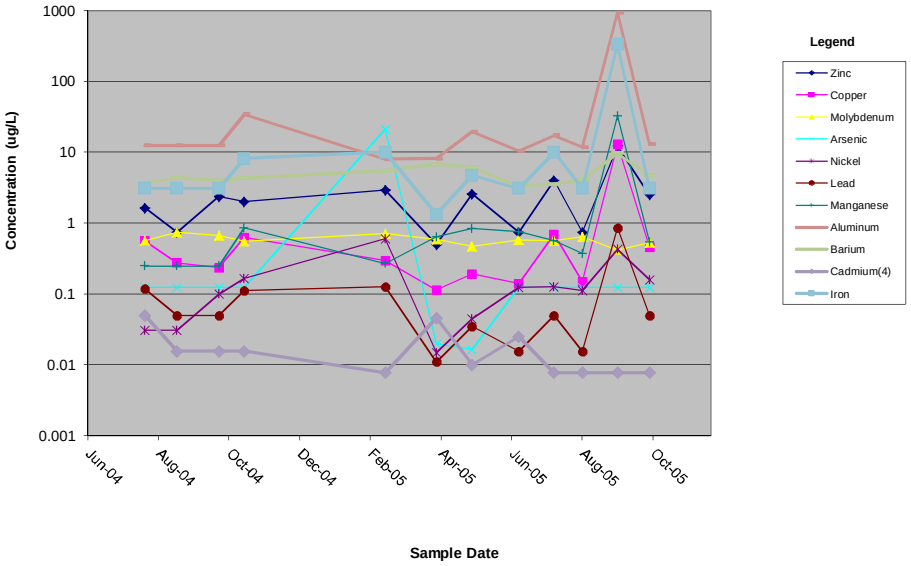


Dissolved Trace Element Concentration for Sampling Location GS-7A

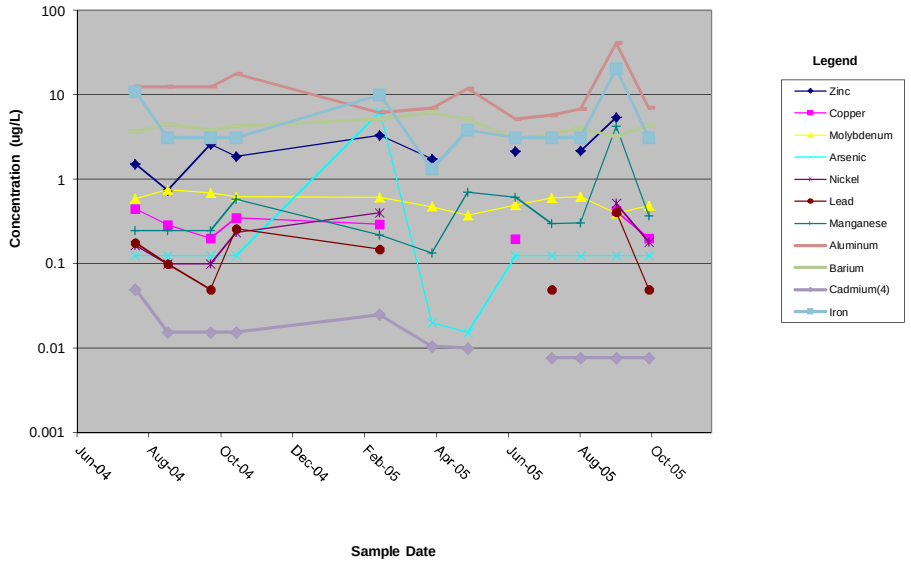


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-8A.

Total Trace Element Concentration for Sampling Location GS-8A

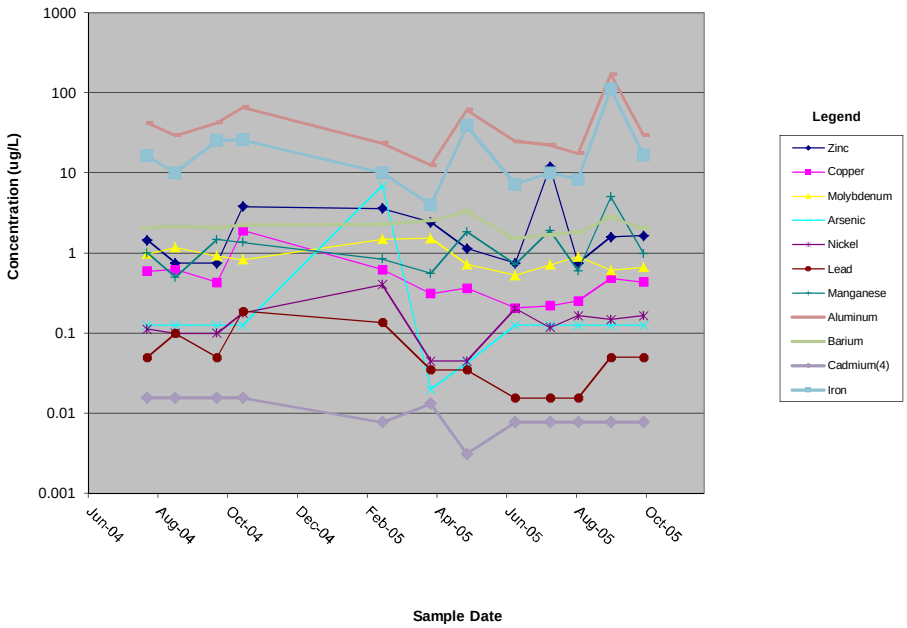


Dissolved Trace Element Concentration for Sampling Location GS-8A

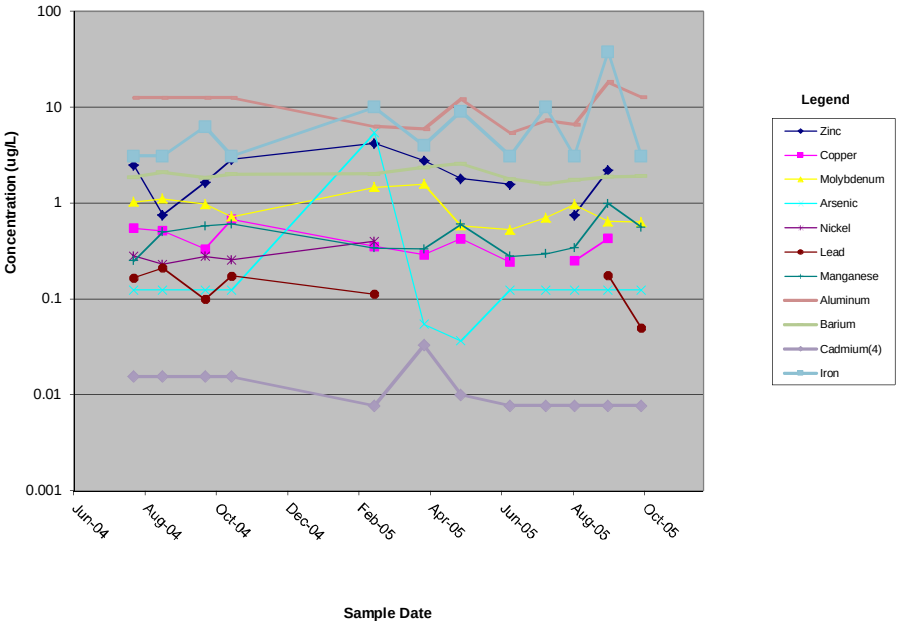


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-11A.

Total Trace Element Concentration for Sampling Location GS-11A

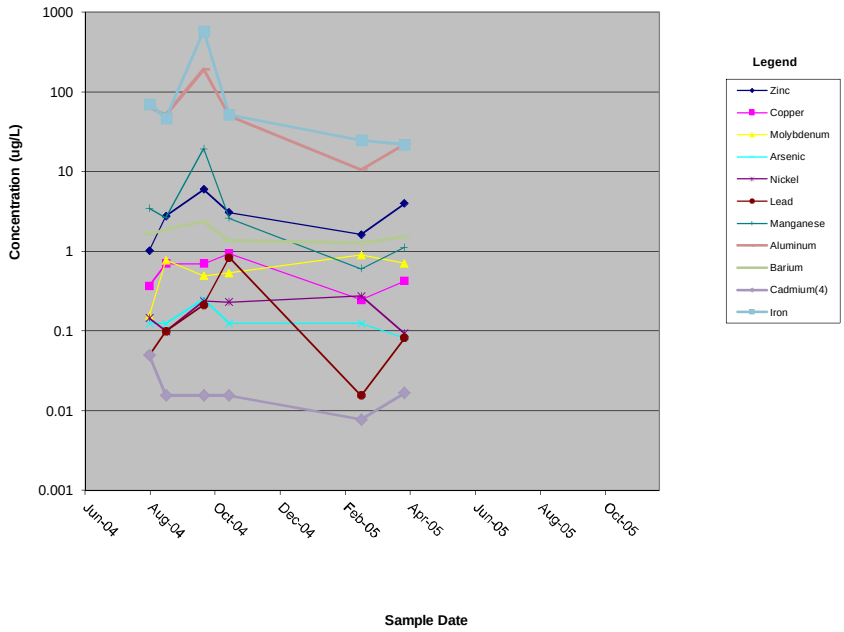


Dissolved Trace Element Concentration for Sampling Location GS-11A

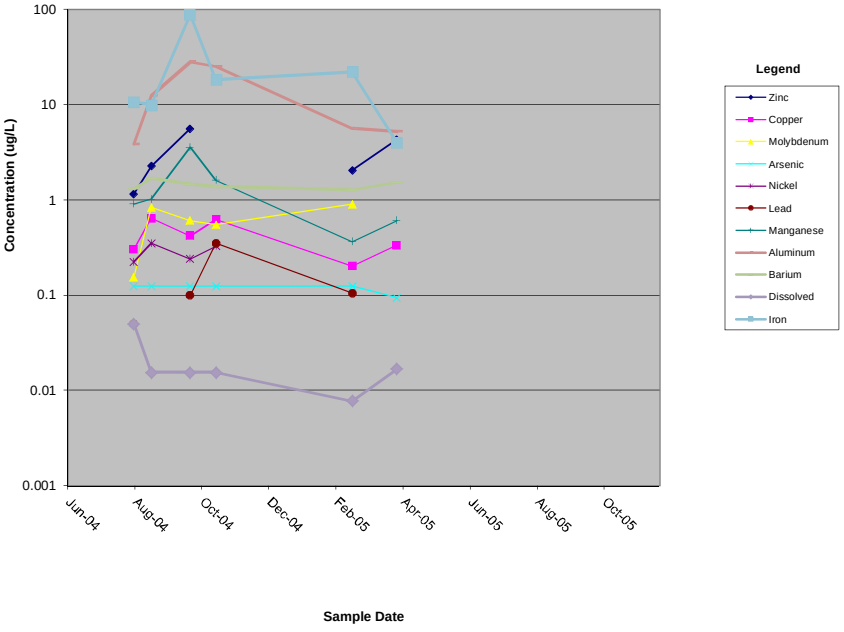


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-12A.

Total Trace Element Concentration for Sampling Location GS-12A

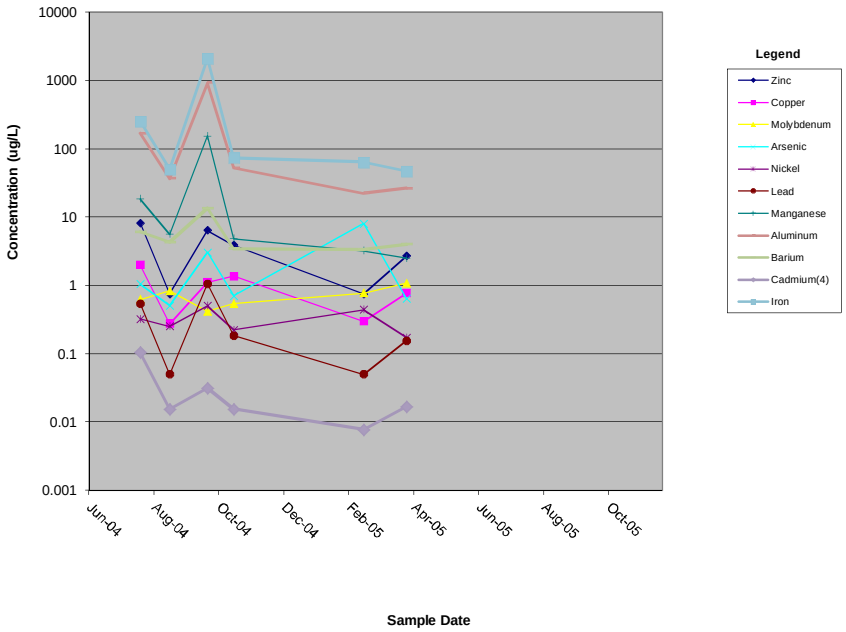


Dissolved Trace Element Concentration for Sampling Location GS-12A

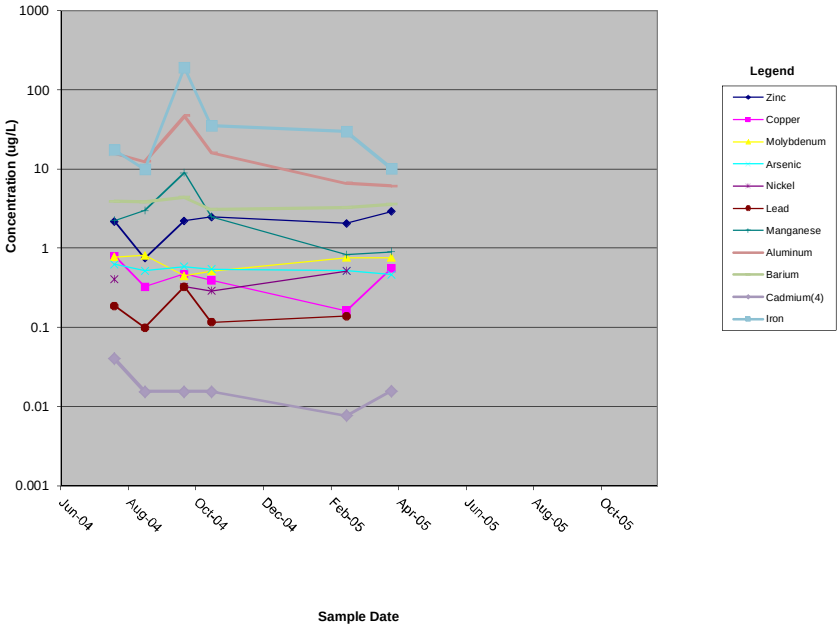


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-14A.

Total Trace Element Concentration for Sampling Location GS-14A

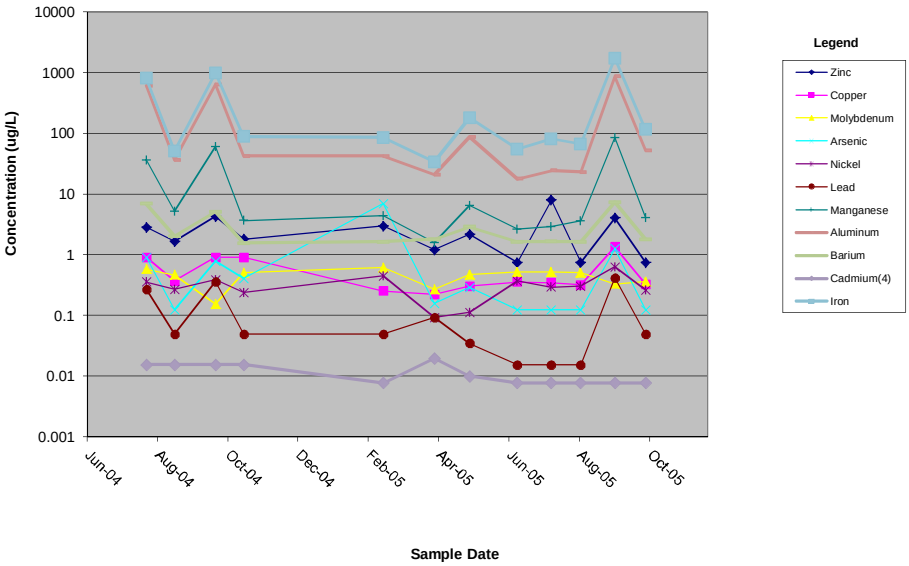


Dissolved Trace Element Concentration for Sampling Location GS-14A

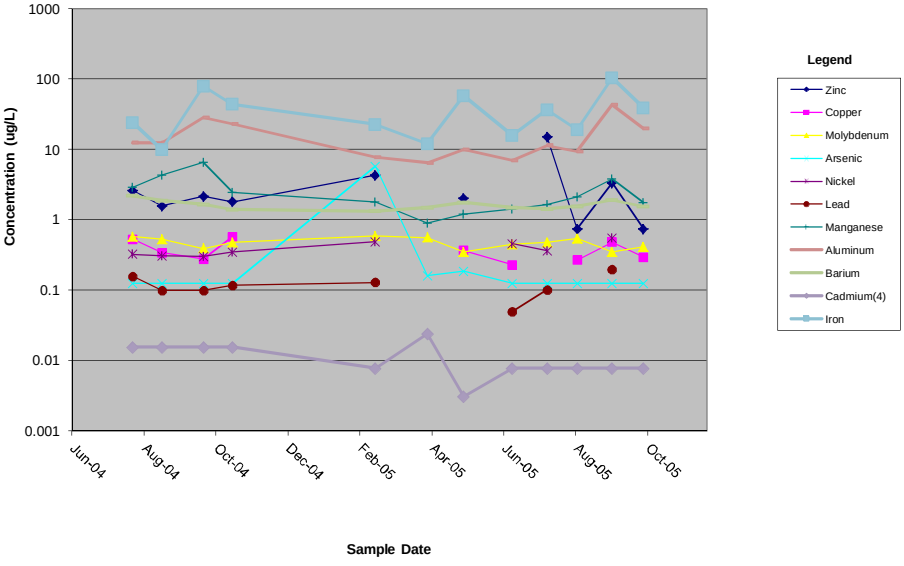


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-14B.

Total Trace Element Concentration for Sampling Location GS-14B

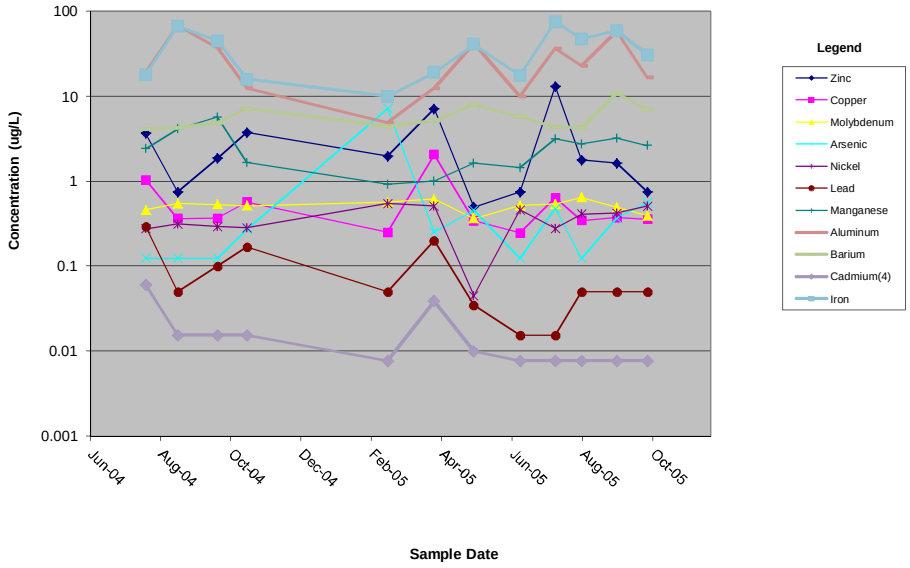


Dissolved Trace Element Concentration for Sampling Location GS-14B

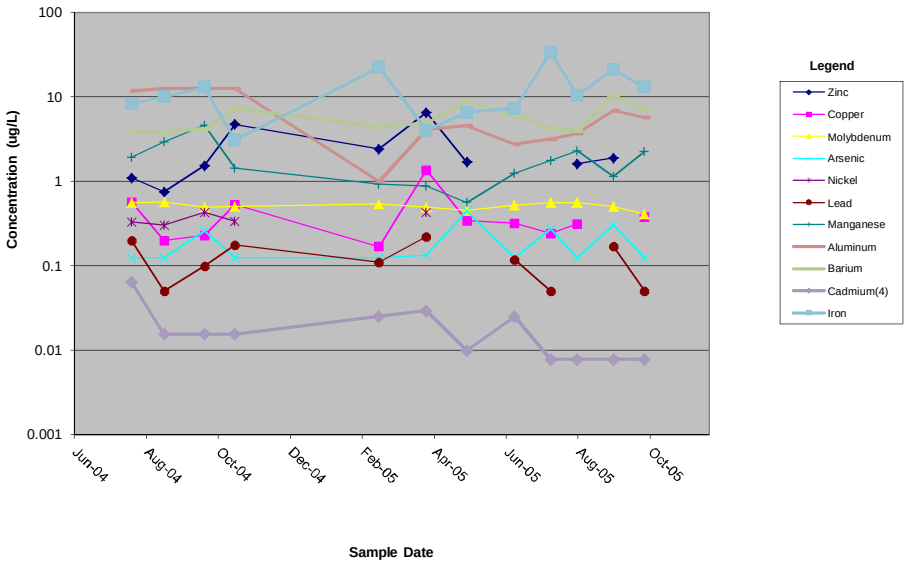


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-17A.

Total Trace Element Concentration for Sampling Location GS-17A

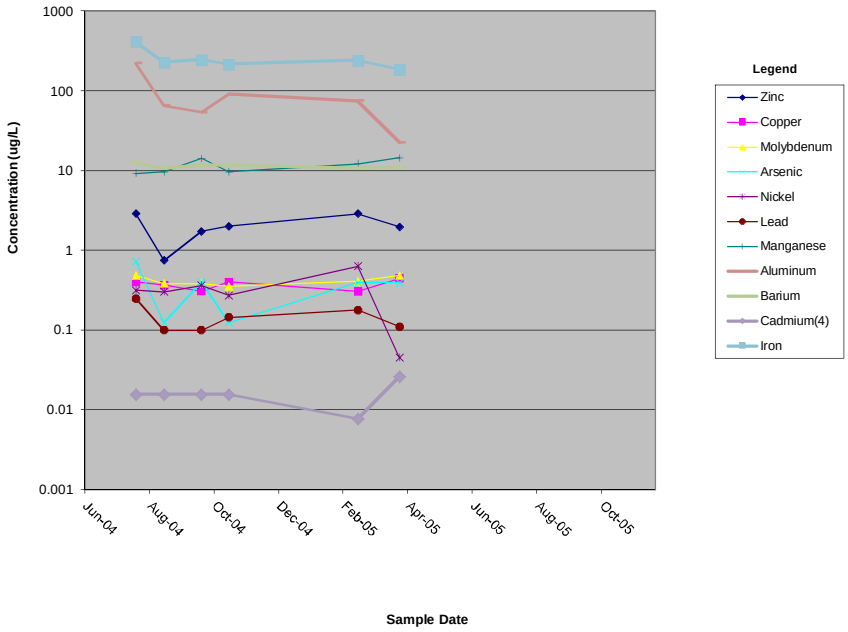


Dissolved Trace Element Concentration for Sampling Location GS-17A

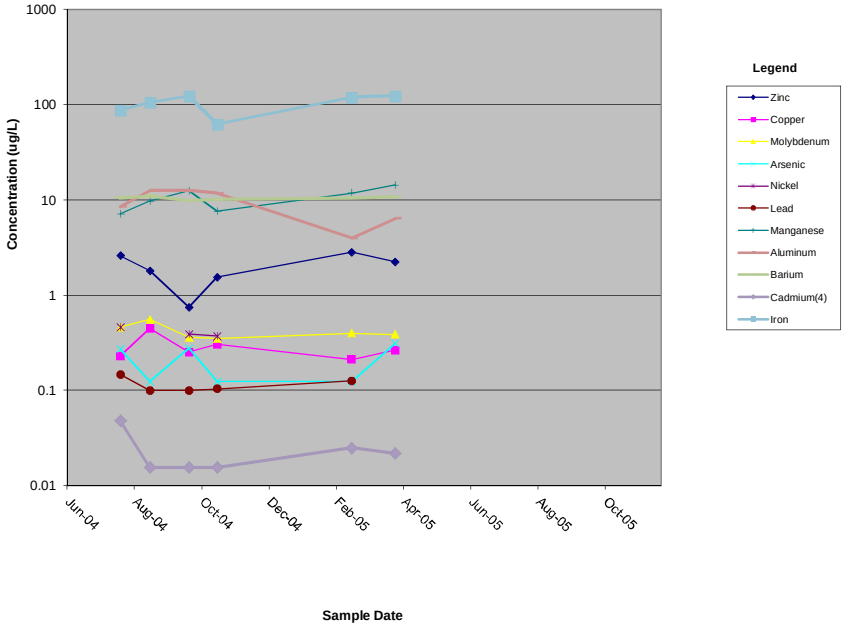


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-18A.

Total Trace Element Concentration for Sampling Location GS-18A

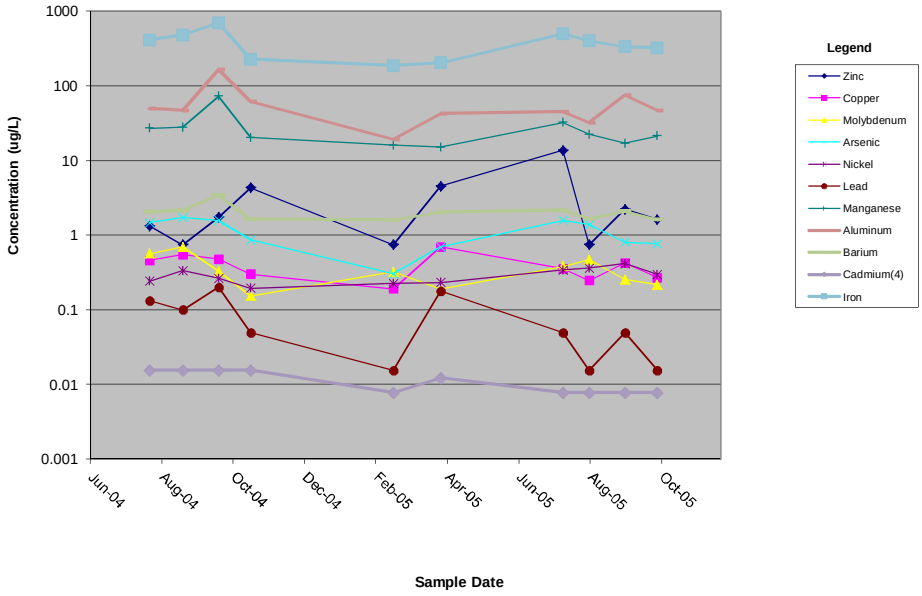


Dissolved Trace Element Concentration for Sampling Location GS-18A

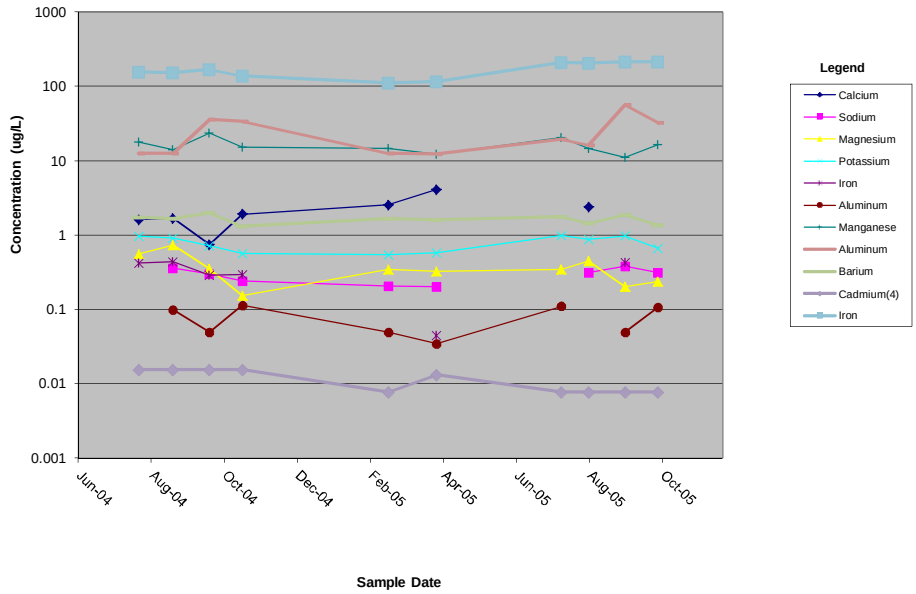


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-20.

Total Trace Element Concentration for Sampling Location GS-20

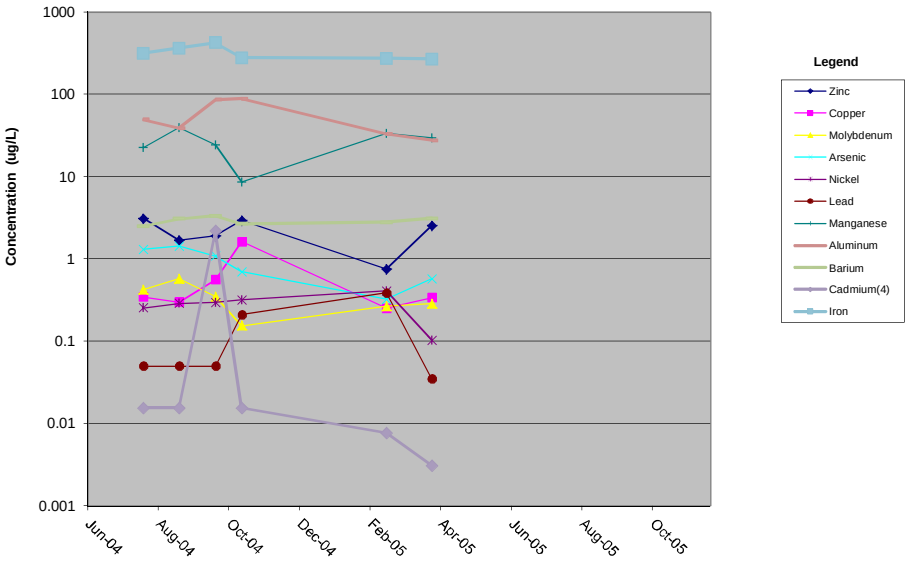


Dissolved Trace Element Concentration for Sampling Location GS-20

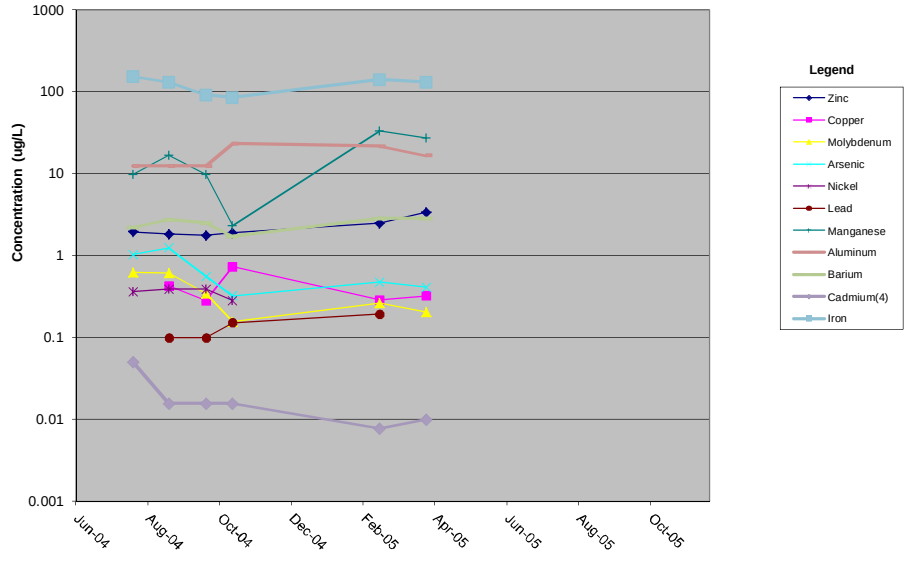


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-20A.

Total Trace Element Concentration for Sampling Location GS-20A

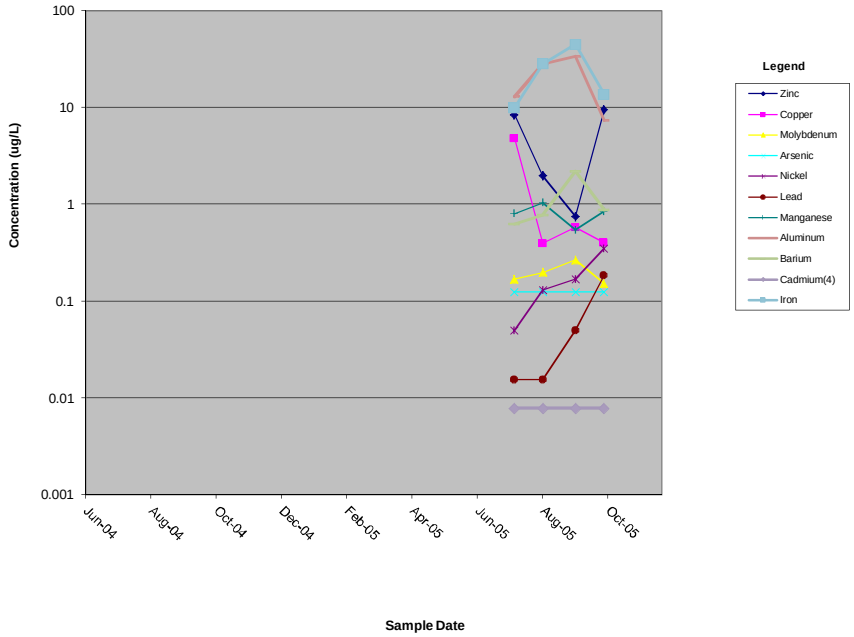


Dissolved Trace Element Concentration for Sampling Location GS-20A

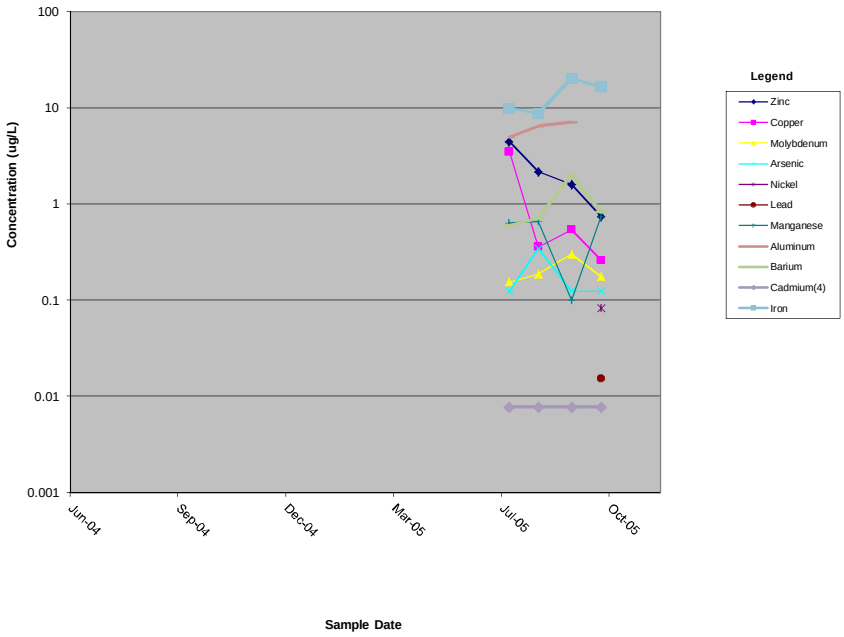


Appendix 9.3 E - Graph of total and dissolved trace elements for GS-23.

Total Trace Element Concentration for Sampling Location GS-23

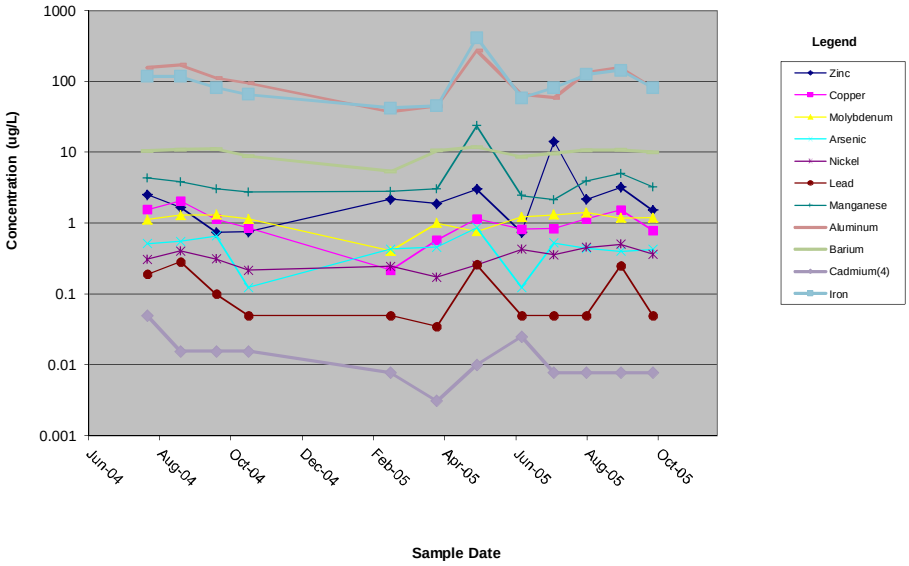


Dissolved Trace Element Concentration for Sampling Location GS-23

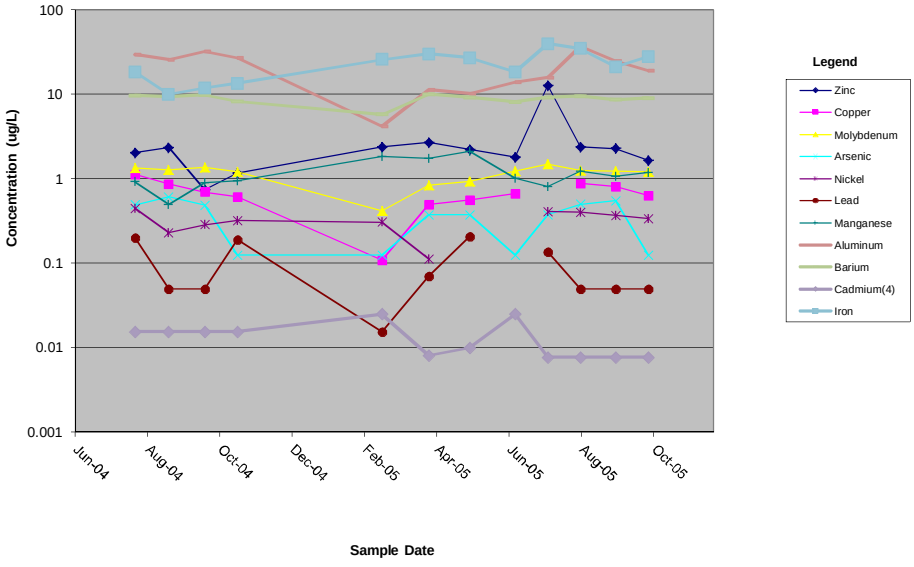


Appendix 9.3 E - Graph of total and dissolved trace elements for NHRIV (Newhalen River).

Total Trace Element Concentration for Sampling Location NHRIV



Dissolved Trace Element Concentration for Sampling Location NHRIV



APPENDIX 9.3F

Table of Analytical Results for Organic Constituents 2004-2005 Surface Water Transportation-corridor, Bristol Bay Drainages Study Area

Table of analytical results for organic constituents, including pesticides, volatile compounds, and semivolatile compounds.

		Sample Station	GS-17A	GS-20	GS-7A
		Sample Date	10/17/2004	10/18/2004	10/16/2004
Parameter	**Units**	**MDL**	**Result**	**Result**	**Result**
1,1,1,2-Tetrachloroethane	µg/L	0.15	ND	ND	ND
1,1,1-Trichloroethane	µg/L	0.31	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	0.15	ND	ND	ND
1,1,2-Trichloroethane	µg/L	0.31	ND	ND	ND
1,1-Dichloroethane	µg/L	0.31	ND	ND	ND
1,1-Dichloroethene	µg/L	0.31	ND	ND	ND
1,1-Dichloropropene	µg/L	0.31	ND	ND	ND
1,2,3-Trichlorobenzene	µg/L	0.31	ND	ND	ND
1,2,3-Trichloropropane	µg/L	0.31	ND	ND	ND
1,2,4-Trichlorobenzene	µg/L	0.31	ND	ND	ND
1,2,4-Trimethylbenzene	µg/L	0.31	ND	ND	ND
1,2-Dibromo-3-chloropropane	µg/L	0.62	ND	ND	ND
1,2-Dibromoethane	µg/L	0.31	ND	ND	ND
1,2-Dichlorobenzene	µg/L	0.31	ND	ND	ND
1,2-Dichloroethane	µg/L	0.15	ND	ND	ND
1,2-Dichloropropane	µg/L	0.31	ND	ND	ND
1,3,5-Trimethylbenzene	µg/L	0.31	ND	ND	ND
1,3-Dichlorobenzene	µg/L	0.31	ND	ND	ND
1,3-Dichloropropane	µg/L	0.12	ND	ND	ND
1,4-Dichlorobenzene	µg/L	0.15	ND	ND	ND
1-Chlorohexane	µg/L	0.31	ND	ND	ND
2,2-Dichloropropane	µg/L	0.31	ND	ND	ND
2,4,5-Trichlorophenol	µg/L	3.1	ND	ND	ND
2,4,6-Trichlorophenol	µg/L	3.1	ND	ND	ND
2,4-Dichlorophenol	µg/L	3.1	ND	ND	ND
2,4-Dimethylphenol	µg/L	3.1	ND	ND	ND
2,4-Dinitrophenol	µg/L	21	ND	ND	ND
2,4-Dinitrotoluene	µg/L	3.1	ND	ND	ND
2,6-Dinitrotoluene	µg/L	3.1	ND	ND	ND
2-Butanone	µg/L	3.1	ND	ND	ND
2-Chloroethyl vinyl ether	µg/L	3.1	ND	ND	ND
2-Chloronaphthalene	µg/L	3.1	ND	ND	ND
2-Chlorophenol	µg/L	3.1	ND	ND	ND
2-Chlorotoluene	µg/L	0.31	ND	ND	ND
2-Hexanone	µg/L	3.1	ND	ND	ND
2-Methyl-4,6-dinitrophenol	µg/L	15	ND	ND	ND
2-Methylnaphthalene	µg/L	3.1	ND	ND	ND
2-Methylphenol (o-Cresol)	µg/L	3.1	ND	ND	ND
2-Nitroaniline	µg/L	3.1	ND	ND	ND
2-Nitrophenol	µg/L	3.1	ND	ND	ND
3,3'-Dichlorobenzidine	µg/L	3.1	ND	ND	ND
3-Methylphenol/4-Methylphenol Coelution	µg/L	6.2	ND	ND	ND
3-Nitroaniline	µg/L	3.1	ND	ND	ND
4,4'-DDD	µg/L	0.0094	ND	ND	ND
4,4'-DDE	µg/L	0.0094	ND	ND	ND
4,4'-DDT	µg/L	0.0094	ND	ND	ND

		Sample Station	GS-17A	GS-20	GS-7A
		Sample Date	10/17/2004	10/18/2004	10/16/2004
Parameter	**Units**	**MDL**	**Result**	**Result**	**Result**
4-Bromophenyl phenyl ether	µg/L	3.1	ND	ND	ND
4-Chloro-3-methylphenol	µg/L	3.1	ND	ND	ND
4-Chloroaniline	µg/L	3.1	ND	ND	ND
4-Chlorophenyl phenyl ether	µg/L	3.1	ND	ND	ND
4-Chlorotoluene	µg/L	0.31	ND	ND	ND
4-Isopropyltoluene	µg/L	0.31	ND	ND	ND
4-Methyl-2-pentanone	µg/L	3.1	ND	ND	ND
4-Nitroaniline	µg/L	3.1	ND	ND	ND
4-Nitrophenol	µg/L	15	ND	ND	ND
Acenaphthene	µg/L	3.1	ND	ND	ND
Acenaphthylene	µg/L	3.1	ND	ND	ND
Acetone	µg/L	3.1	ND	ND	ND
Acrylonitrile	µg/L	3.1	ND	ND	ND
Aldrin	µg/L	0.015	ND	ND	ND
alpha-BHC	µg/L	0.0094	ND	ND	ND
alpha-Chlordane	µg/L	0.0094	ND	ND	ND
Aniline	µg/L	3.1	ND	ND	ND
Anthracene	µg/L	3.1	ND	ND	ND
Azobenzene	µg/L	3.1	ND	ND	ND
Benzene	µg/L	0.12	ND	ND	ND
Benzo(a)anthracene	µg/L	3.1	ND	ND	ND
Benzo(a)pyrene	µg/L	3.1	ND	ND	ND
Benzo(b)fluoranthene	µg/L	3.1	ND	ND	ND
Benzo(g,h,i)perylene	µg/L	3.1	ND	ND	ND
Benzo(k)fluoranthene	µg/L	3.1	ND	ND	ND
Benzoic acid	µg/L	15	ND	ND	ND
Benzyl alcohol	µg/L	3.1	ND	ND	ND
Benzyl butyl phthalate	µg/L	3.1	ND	ND	ND
beta-BHC	µg/L	0.031	ND	ND	ND
bis-(2-Chloroethoxy)methane	µg/L	3.1	ND	ND	ND
bis-(2-Chloroethyl)ether	µg/L	3.1	ND	ND	ND
bis(2-Chloroisopropyl)ether	µg/L	3.1	ND	ND	ND
bis-(2-Ethylhexyl)phthalate	µg/L	3.1	ND	ND	ND
Bromobenzene	µg/L	0.31	ND	ND	ND
Bromochloromethane	µg/L	0.31	ND	ND	ND
Bromodichloromethane	µg/L	0.15	ND	ND	ND
Bromoform	µg/L	0.31	ND	ND	ND
Bromomethane	µg/L	0.94	ND	ND	ND
Carbon disulfide	µg/L	0.62	ND	ND	ND
Carbon tetrachloride	µg/L	0.31	ND	ND	ND
Chlorobenzene	µg/L	0.15	ND	ND	ND
Chloroethane	µg/L	0.31	ND	ND	ND
Chloroform	µg/L	0.3	ND	ND	ND
Chloromethane	µg/L	0.31	ND	ND	ND
Chrysene	µg/L	3.1	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	0.31	ND	ND	ND
cis-1,3-Dichloropropene	µg/L	0.15	ND	ND	ND
delta-BHC	µg/L	0.0094	ND	ND	ND

		Sample Station	GS-17A	GS-20	GS-7A
		Sample Date	10/17/2004	10/18/2004	10/16/2004
Parameter	**Units**	**MDL**	**Result**	**Result**	**Result**
Dibenzo(a,h)anthracene	µg/L	3.1	ND	ND	ND
Dibenzofuran	µg/L	3.1	ND	ND	ND
Dibromochloromethane	µg/L	0.15	ND	ND	ND
Dibromomethane	µg/L	0.31	ND	ND	ND
Dichlorodifluoromethane	µg/L	0.31	ND	ND	ND
Dieldrin	µg/L	0.0094	ND	ND	ND
Diethyl phthalate	µg/L	3.1	ND	ND	ND
Dimethyl phthalate	µg/L	3.1	ND	ND	ND
Di-n-butyl phthalate	µg/L	3.1	ND	ND	ND
Di-n-octyl phthalate	µg/L	3.1	ND	ND	ND
Endosulfan I	µg/L	0.0094	ND	ND	ND
Endosulfan II	µg/L	0.0094	ND	ND	ND
Endosulfan sulfate	µg/L	0.0094	ND	ND	ND
Endrin	µg/L	0.0094	ND	ND	ND
Endrin aldehyde	µg/L	0.015	ND	ND	ND
Endrin ketone	µg/L	0.015	ND	ND	ND
Ethylbenzene	µg/L	0.31	ND	ND	ND
Fluoranthene	µg/L	3.1	ND	ND	ND
Fluorene	µg/L	3.1	ND	ND	ND
gamma-BHC (Lindane)	µg/L	0.01	ND	ND	ND
gamma-Chlordane	µg/L	0.0094	ND	ND	ND
Heptachlor	µg/L	0.015	ND	ND	ND
Heptachlor epoxide	µg/L	0.0094	ND	ND	ND
Hexachlorobenzene	µg/L	3.1	ND	ND	ND
Hexachlorobutadiene	µg/L	0.31	ND	ND	ND
Hexachlorocyclopentadiene	µg/L	9.4	ND	ND	ND
Hexachloroethane	µg/L	3.1	ND	ND	ND
Indeno(1,2,3-cd)pyrene	µg/L	3.1	ND	ND	ND
Isophorone	µg/L	3.1	ND	ND	ND
Isopropylbenzene	µg/L	0.31	ND	ND	ND
Methoxychlor	µg/L	0.0094	ND	ND	ND
Methyl iodide	µg/L	0.31	ND	ND	ND
Methylene chloride	µg/L	1	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	µg/L	1.5	ND	ND	ND
Naphthalene	µg/L	0.62	ND	ND	ND
n-Butylbenzene	µg/L	0.31	ND	ND	ND
Nitrobenzene	µg/L	3.1	ND	ND	ND
n-Nitrosodimethylamine	µg/L	3.1	ND	ND	ND
n-Nitrosodi-n-propylamine	µg/L	3.1	ND	ND	ND
n-Nitrosodiphenylamine	µg/L	3.1	ND	ND	ND
n-Propylbenzene	µg/L	0.31	ND	ND	ND
o-Xylene	µg/L	0.31	ND	ND	ND
Pentachlorophenol	µg/L	15	ND	ND	ND
Phenanthrene	µg/L	3.1	ND	ND	ND
Phenol	µg/L	3.1	ND	ND	ND
Pyrene	µg/L	3.1	ND	ND	ND
sec-Butylbenzene	µg/L	0.31	ND	ND	ND
Styrene	µg/L	0.31	ND	ND	ND

		Sample Station	GS-17A	GS-20	GS-7A
		Sample Date	10/17/2004	10/18/2004	10/16/2004
Parameter	**Units**	**MDL**	**Result**	**Result**	**Result**
tert-Butylbenzene	µg/L	0.31	ND	ND	ND
Tetrachloroethene (PCE)	µg/L	0.31	ND	ND	ND
Toluene	µg/L	0.31	ND	ND	ND
Toxaphene	µg/L	0.31	ND	ND	ND
trans-1,2-Dichloroethene	µg/L	0.31	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	0.31	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/L	0.62	ND	ND	ND
Trichloroethene (TCE)	µg/L	0.31	ND	ND	ND
Trichlorofluoromethane	µg/L	0.31	ND	ND	ND
Vinyl acetate	µg/L	3.1	ND	ND	ND
Vinyl chloride	µg/L	0.31	ND	ND	ND
Xylene, Isomers m & p	µg/L	0.62	ND	ND	ND

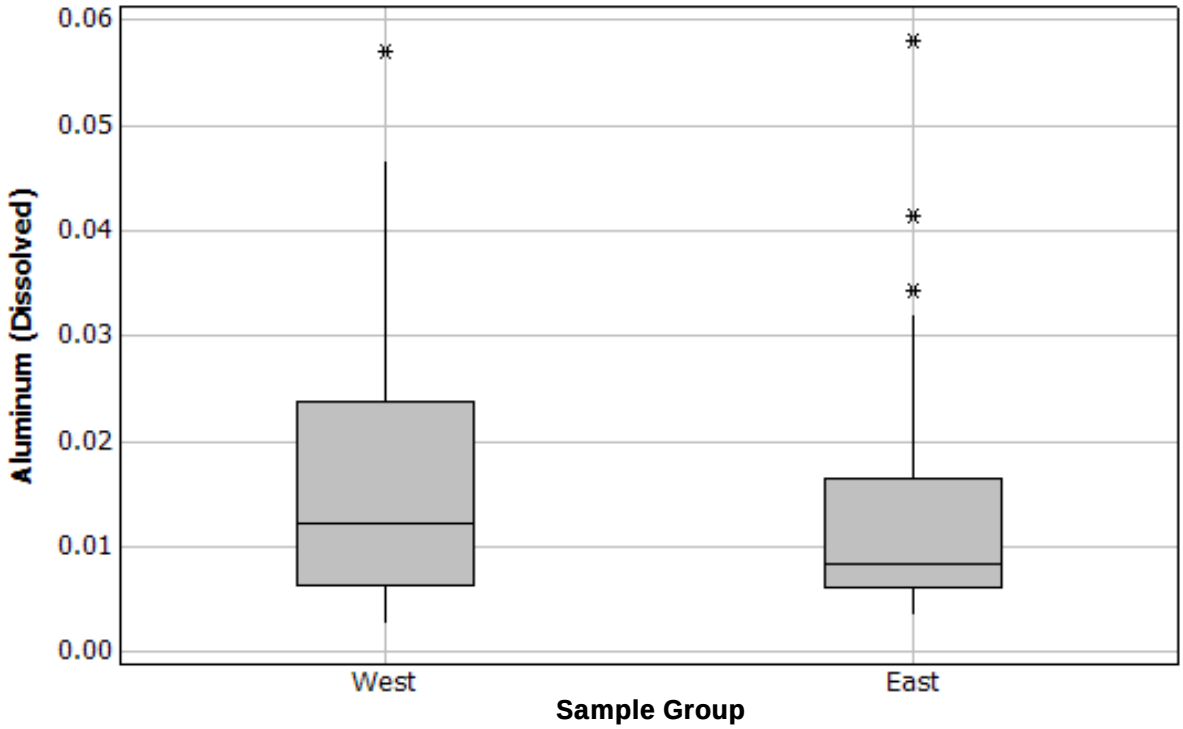
Key:
µg/L = micrograms per liter
MDL = method detection limit
ND = parameter is undetected

APPENDIX 9.3G

Box and Whisker Plots
2004-2005 Surface Water
Transportation-corridor, Bristol Bay Drainages Study Area
Eastern and Western Sample Groups

APPENDIX G

BOX AND WHISKER PLOTS BY SAMPLE GROUP



Most Stringent ADEC Water Quality Criterion 0.087

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

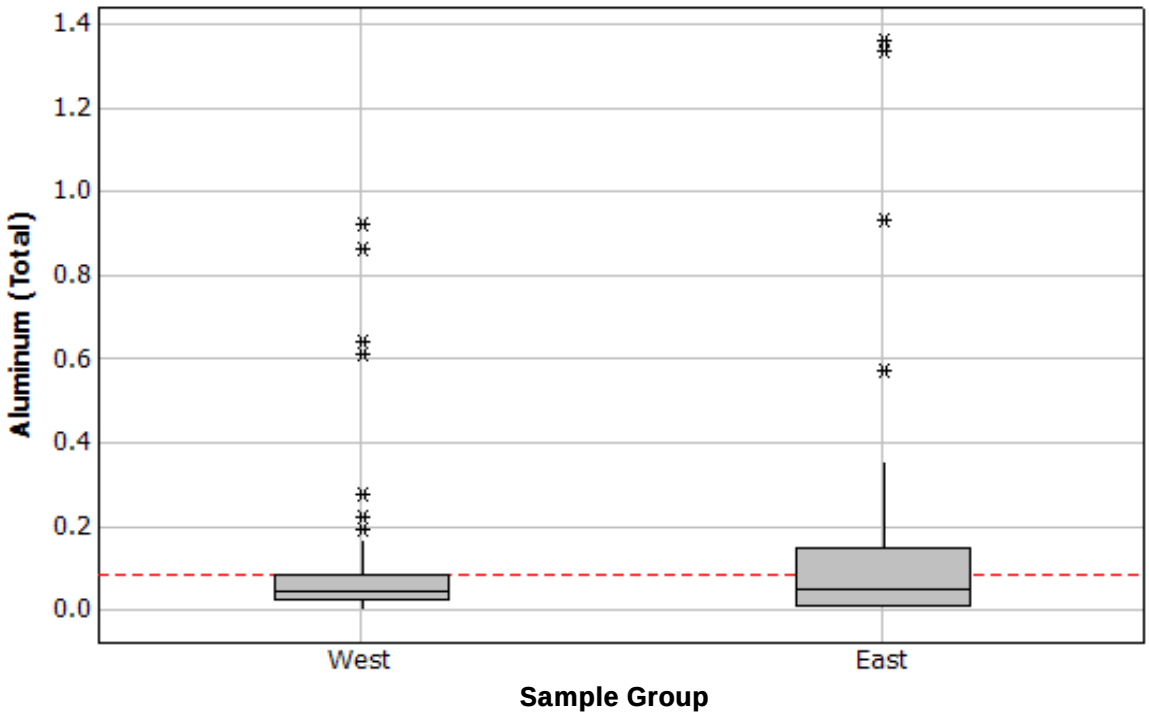
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Harness based on CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.087

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

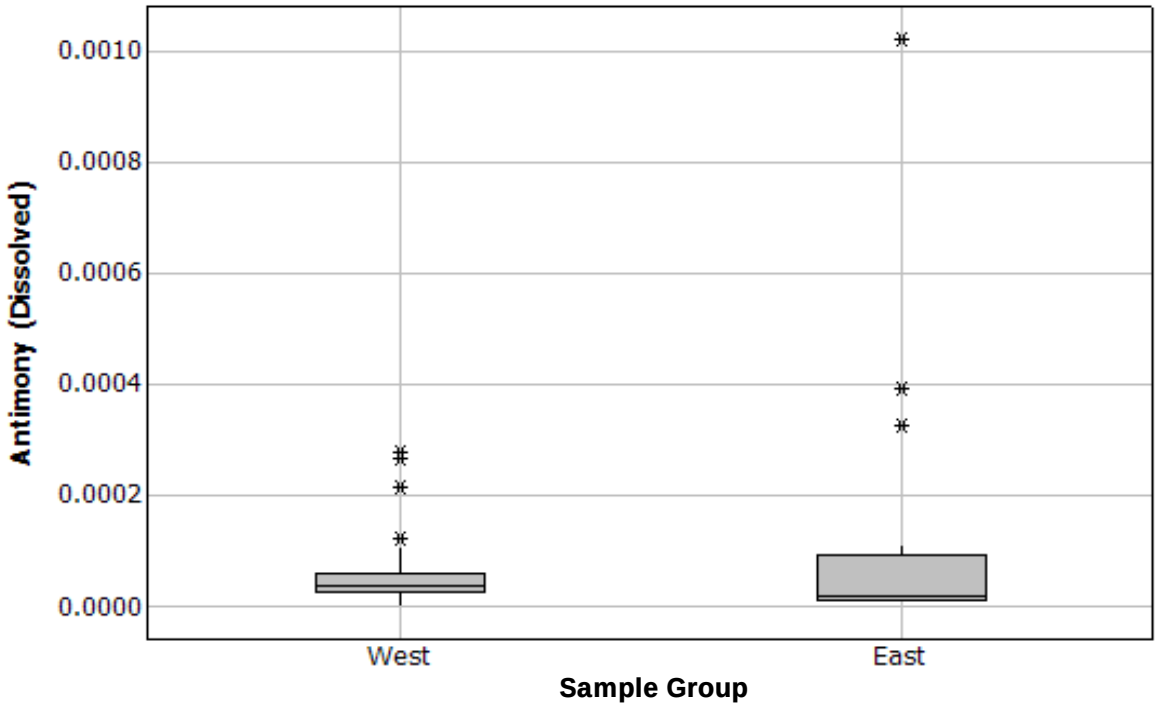
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sampler Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based on CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

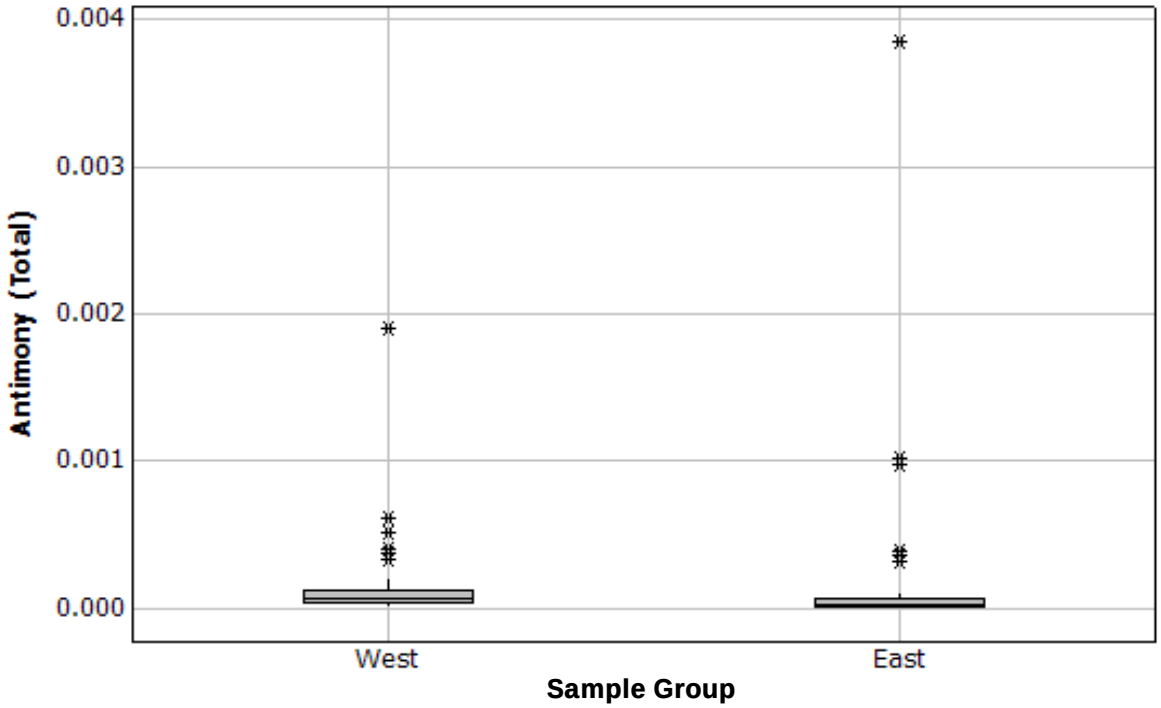
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the lowest Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.0060

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

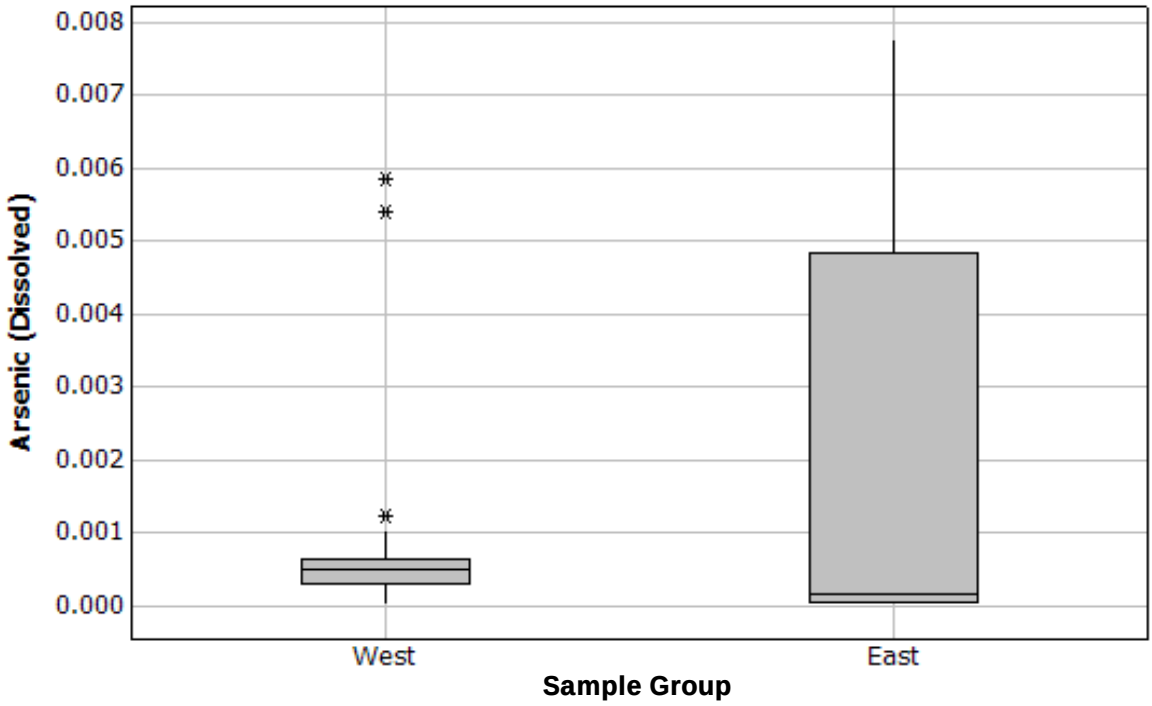
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.15

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

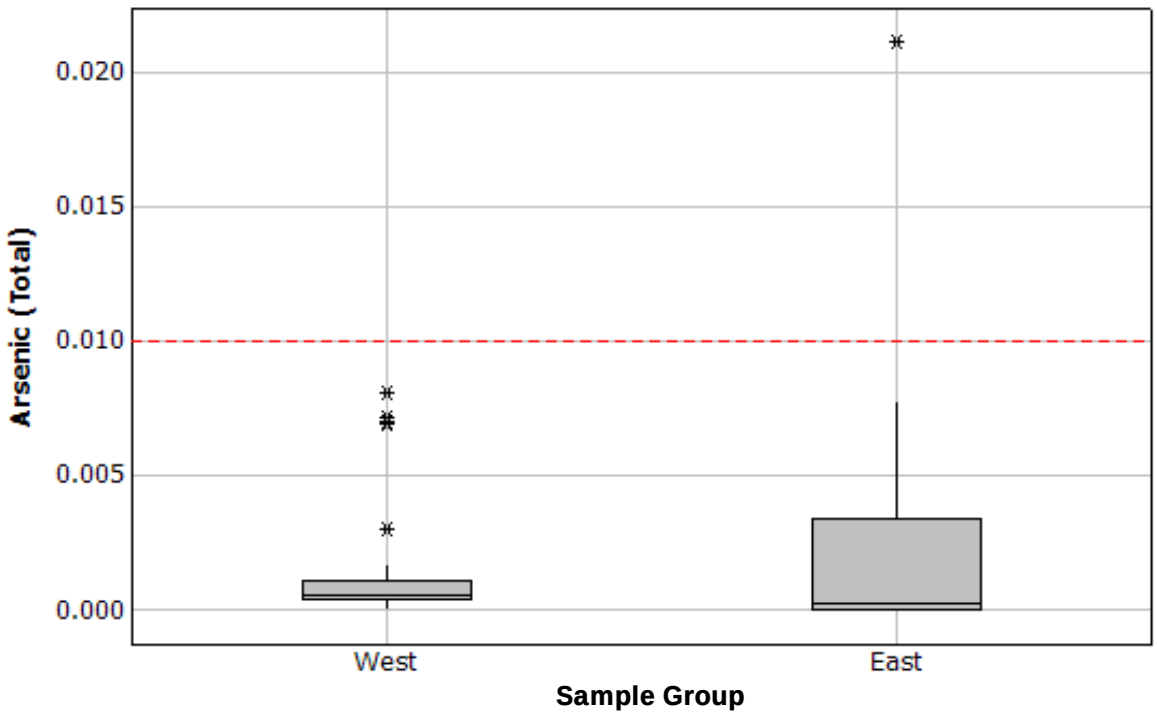
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay East Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.010

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

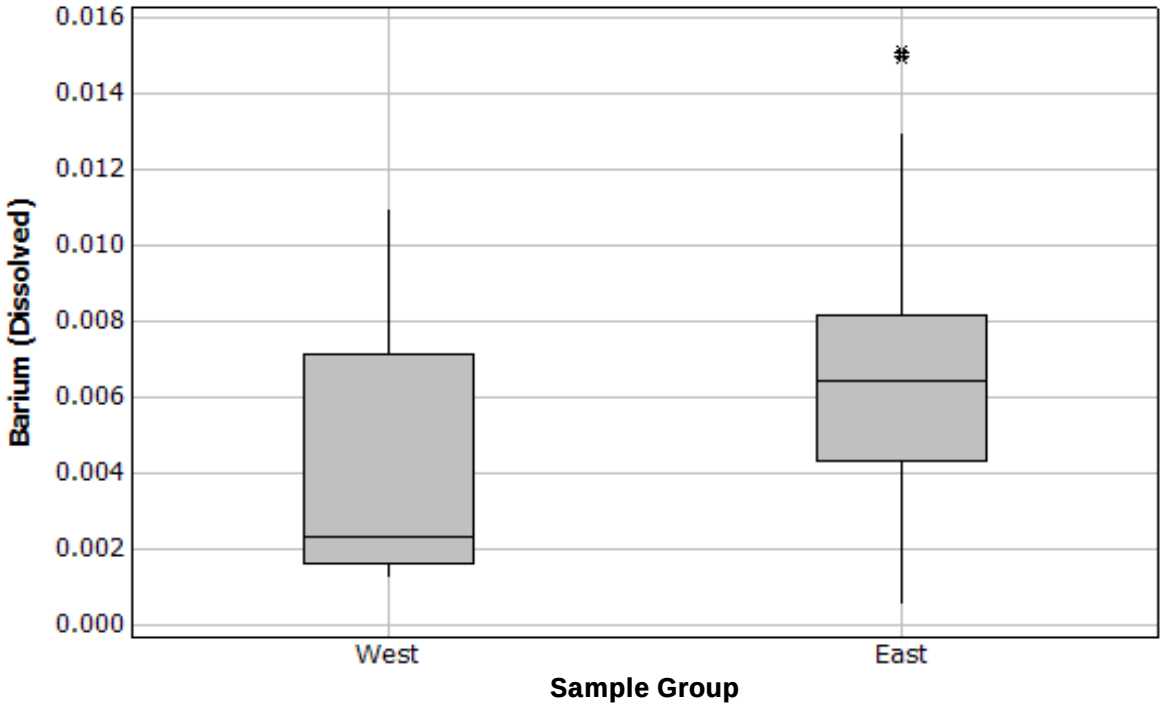
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends.Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

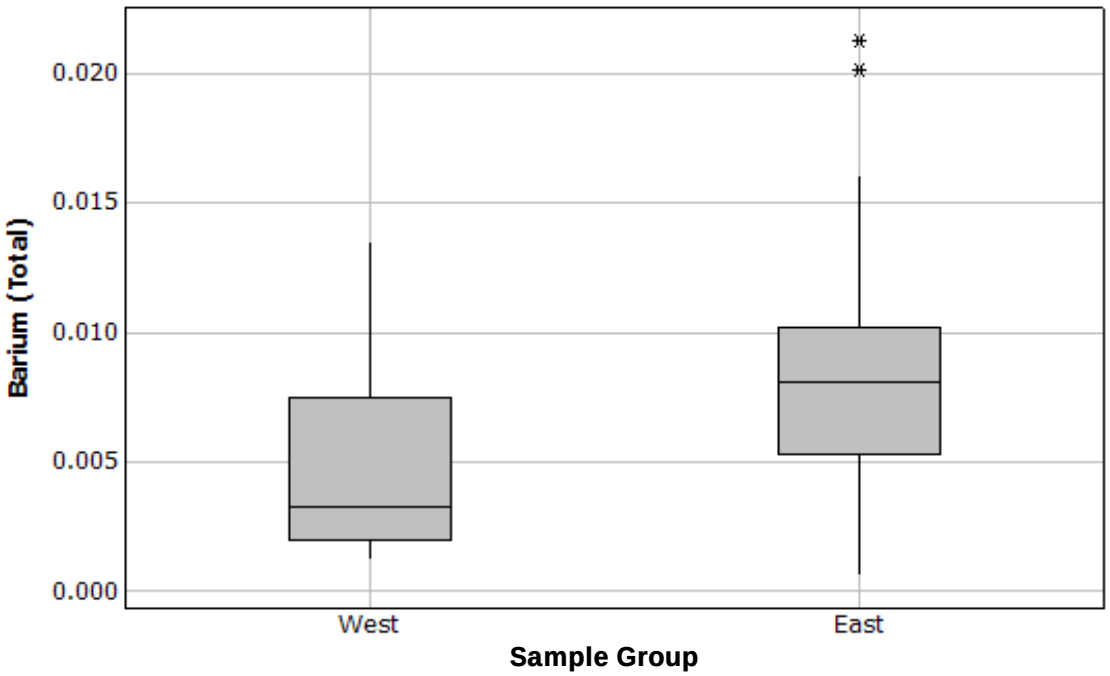
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 2.00

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

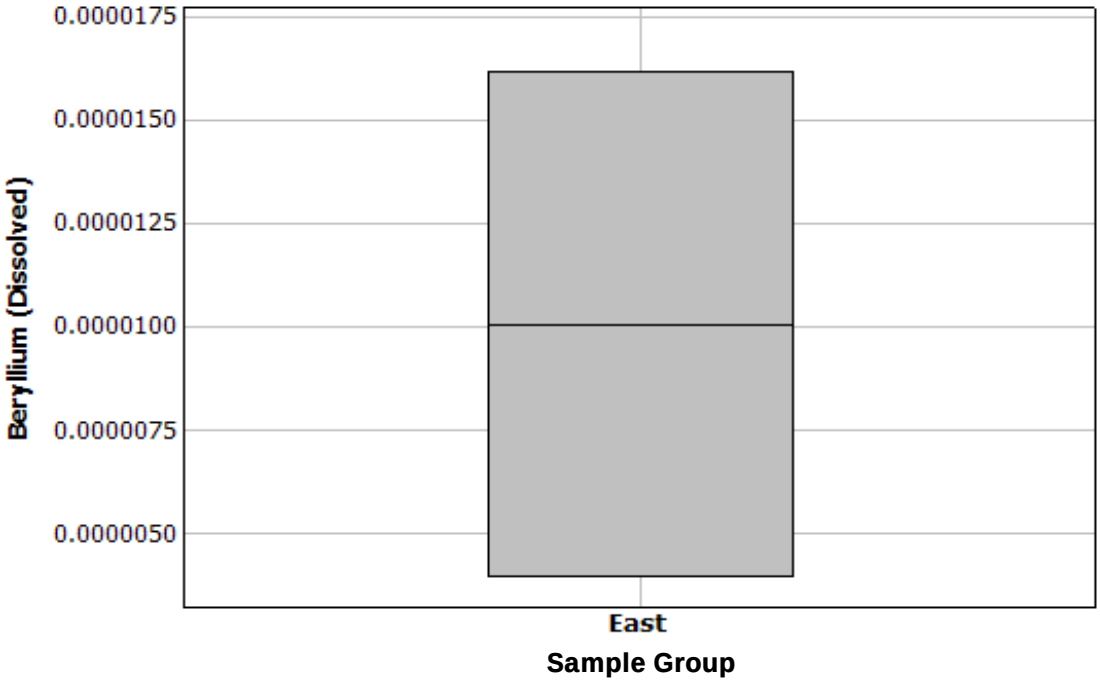
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

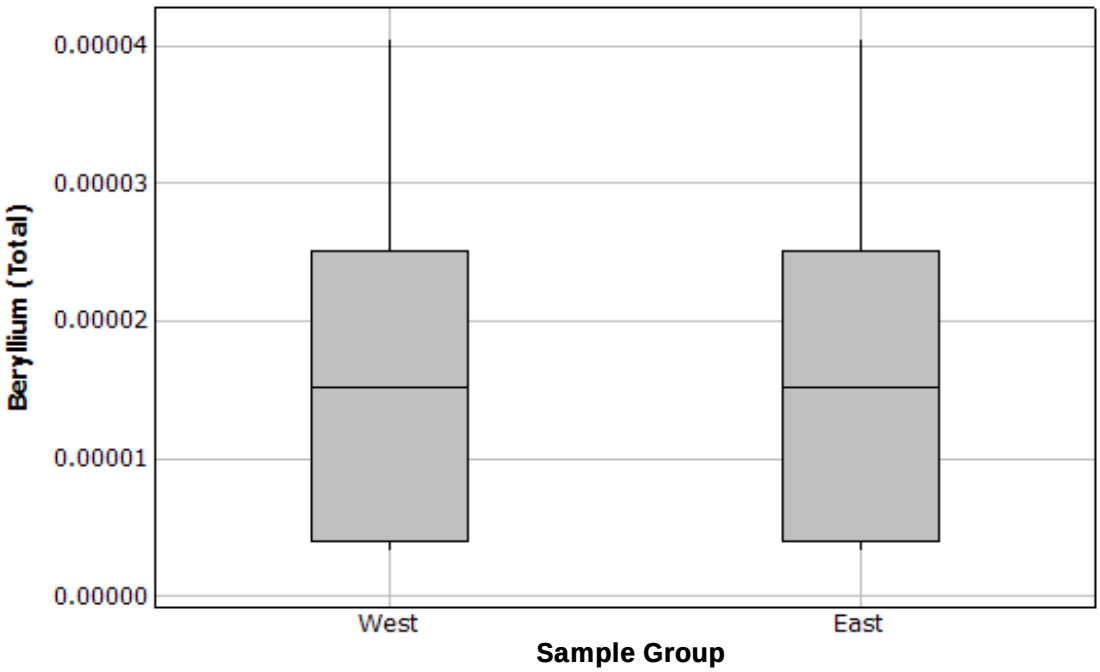
Bristol Bay Western Sample Group had no detected values and therefore is not depicted.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.0040

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

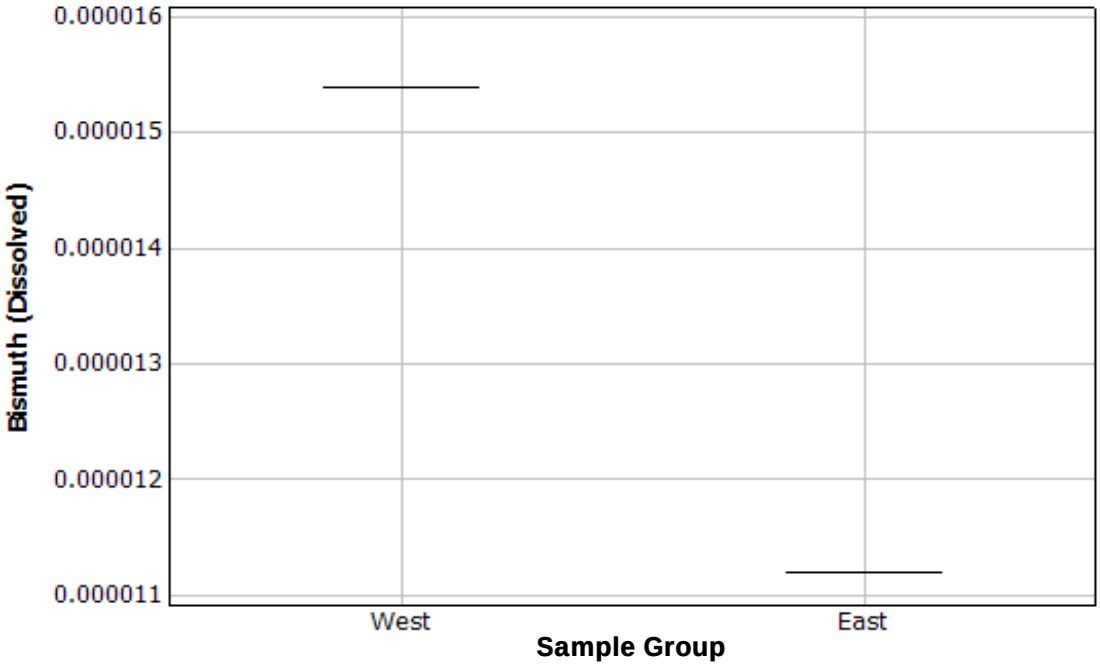
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

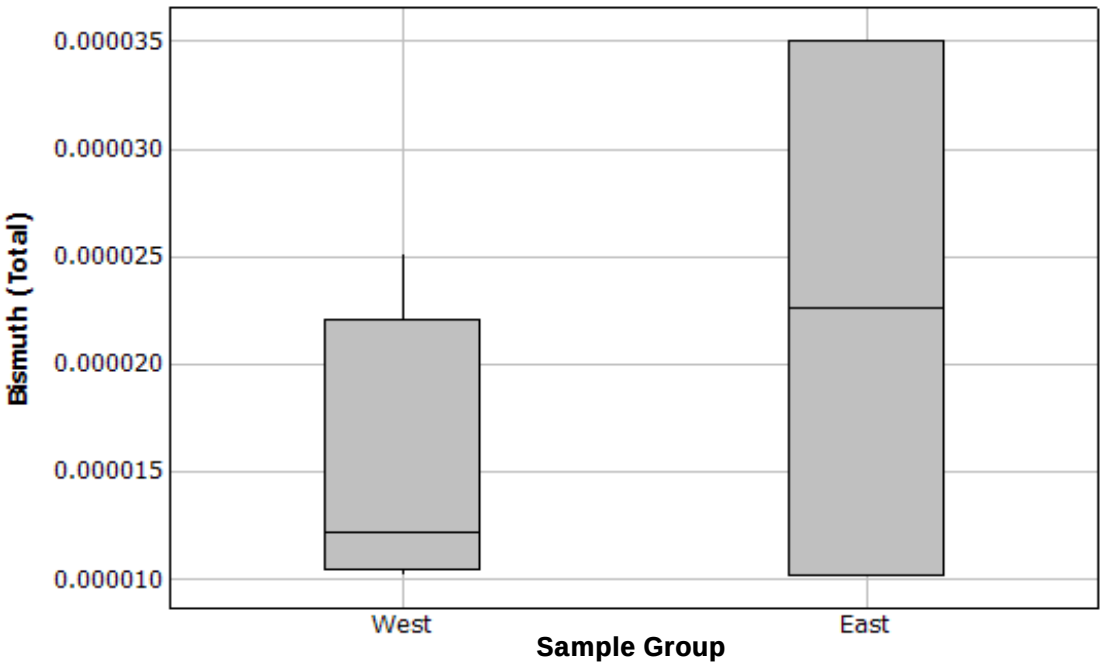
Only one value for each sample group was detected.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay East Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

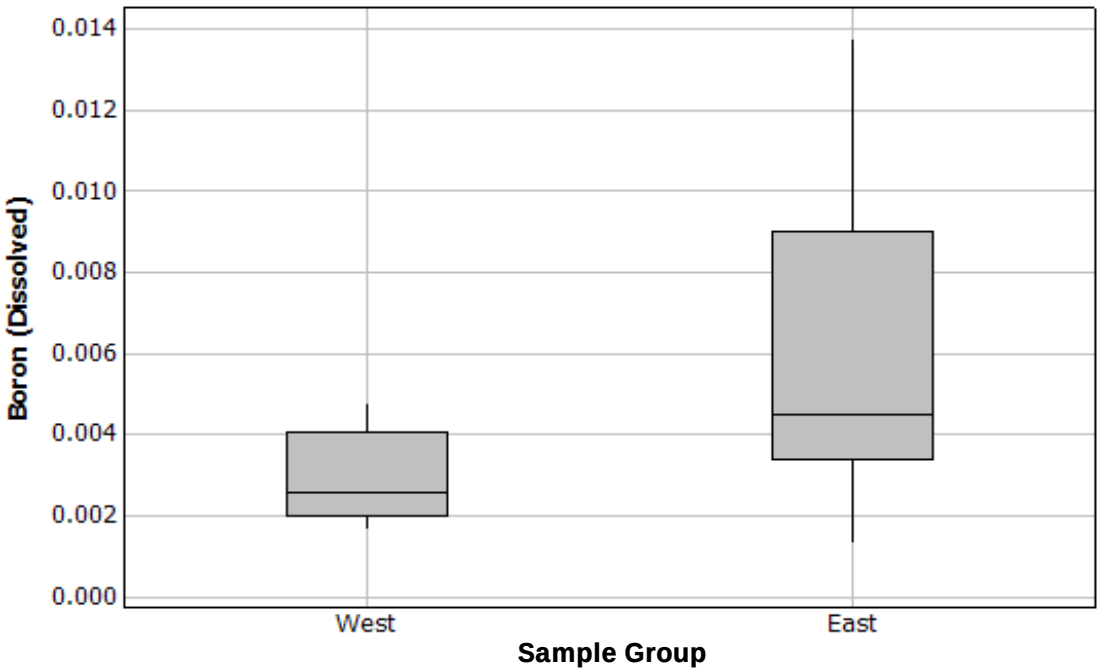
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

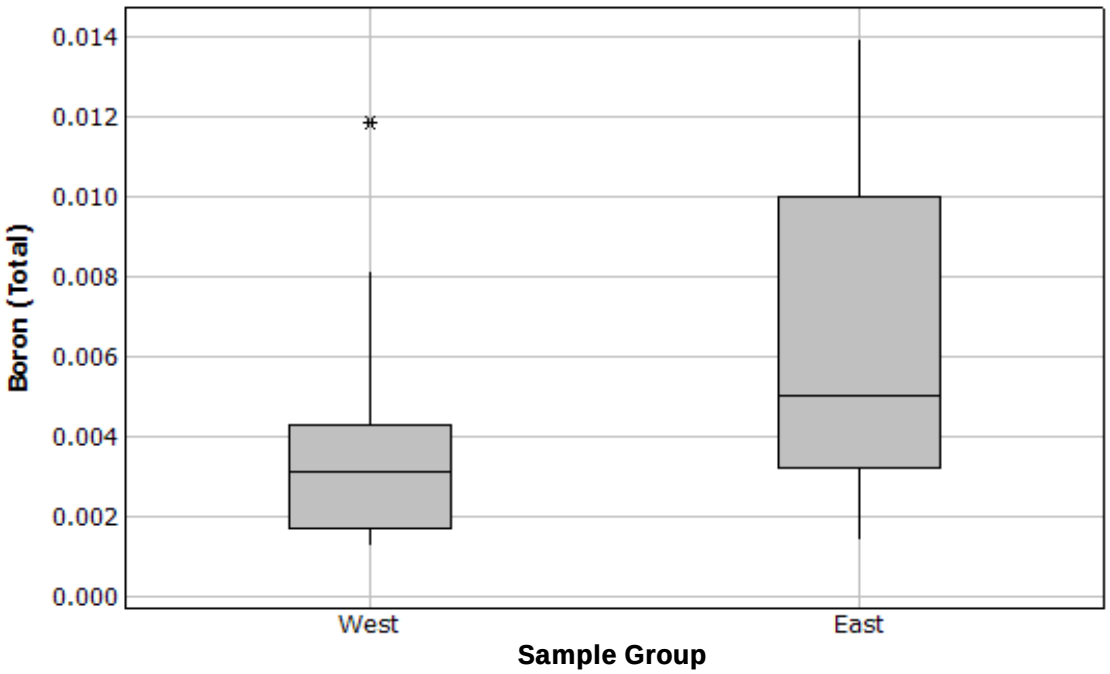
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

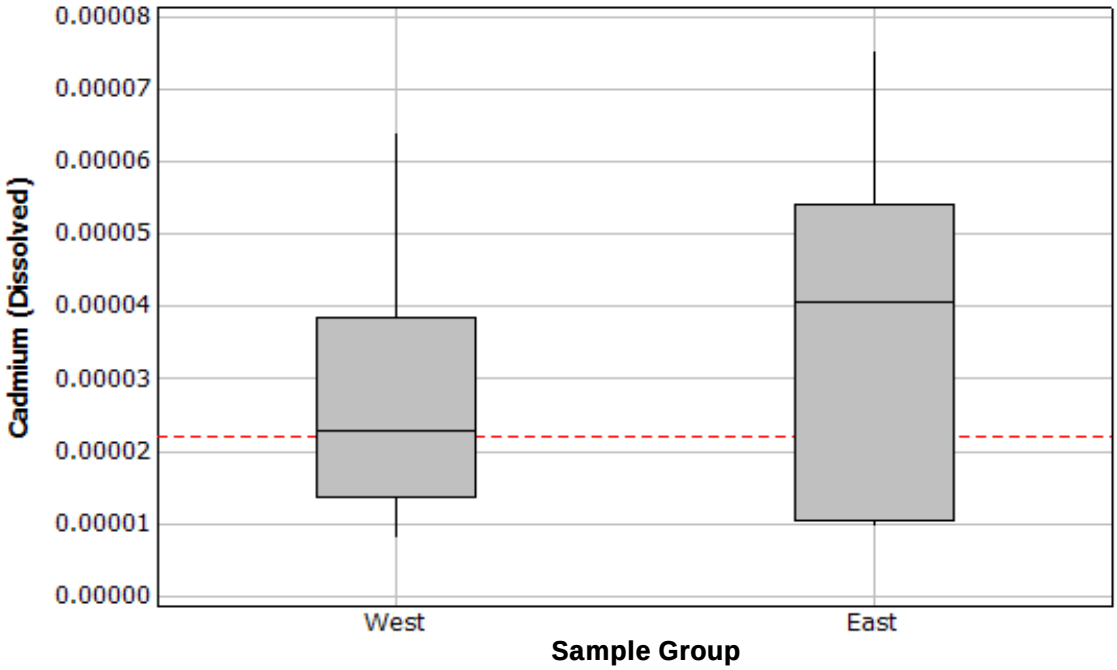
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.000022 to 0.000106 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

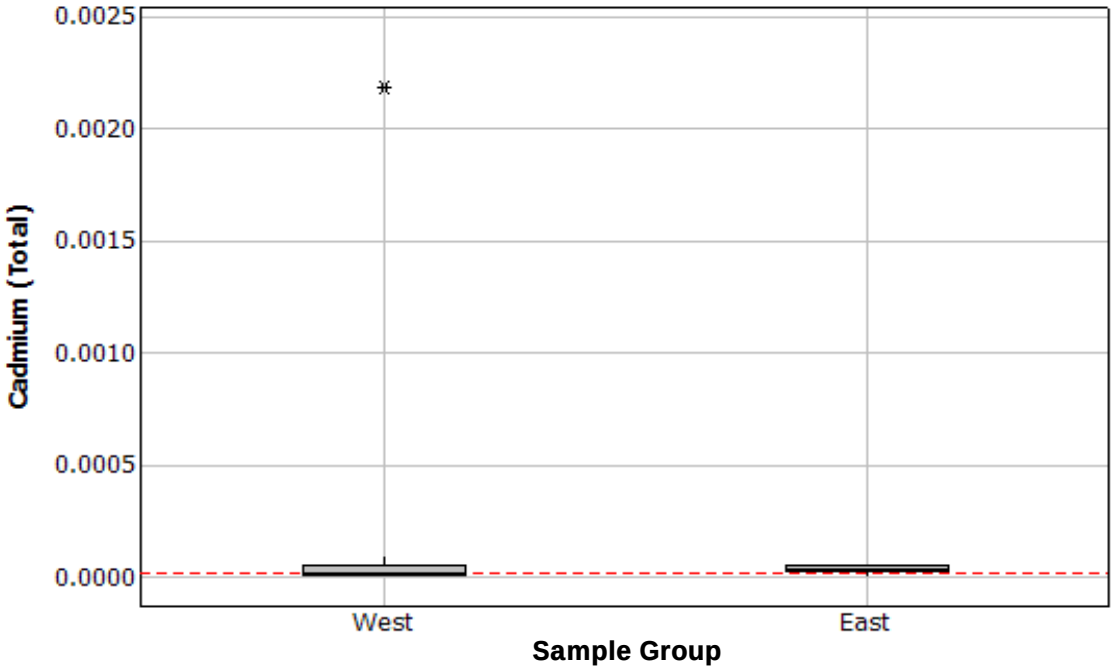
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.000020 to 0.000111 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

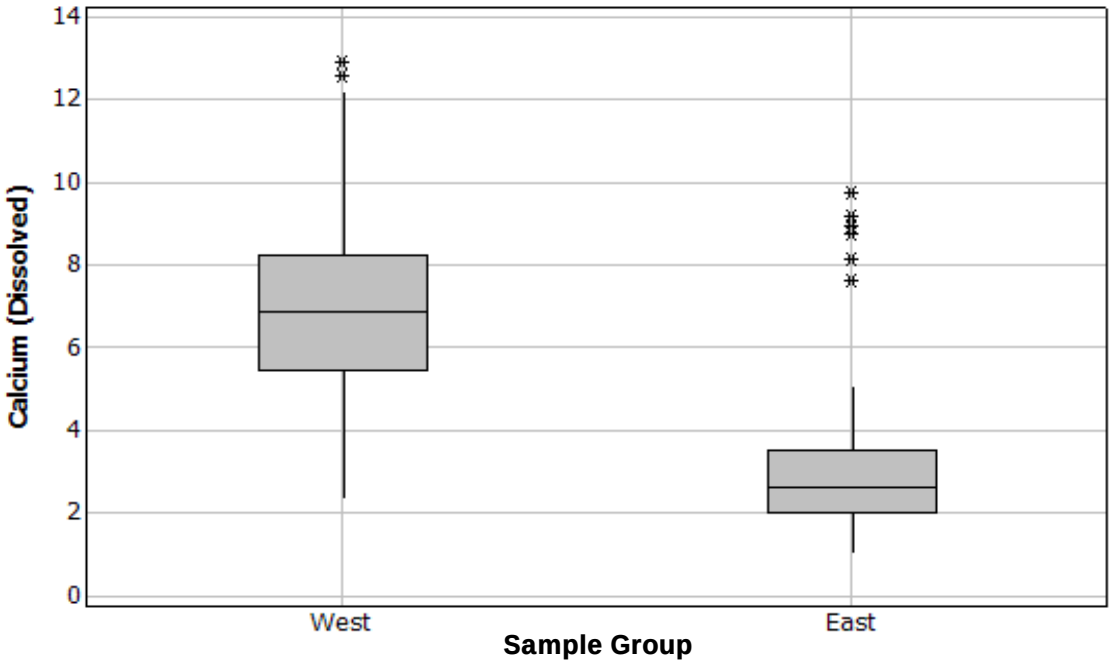
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

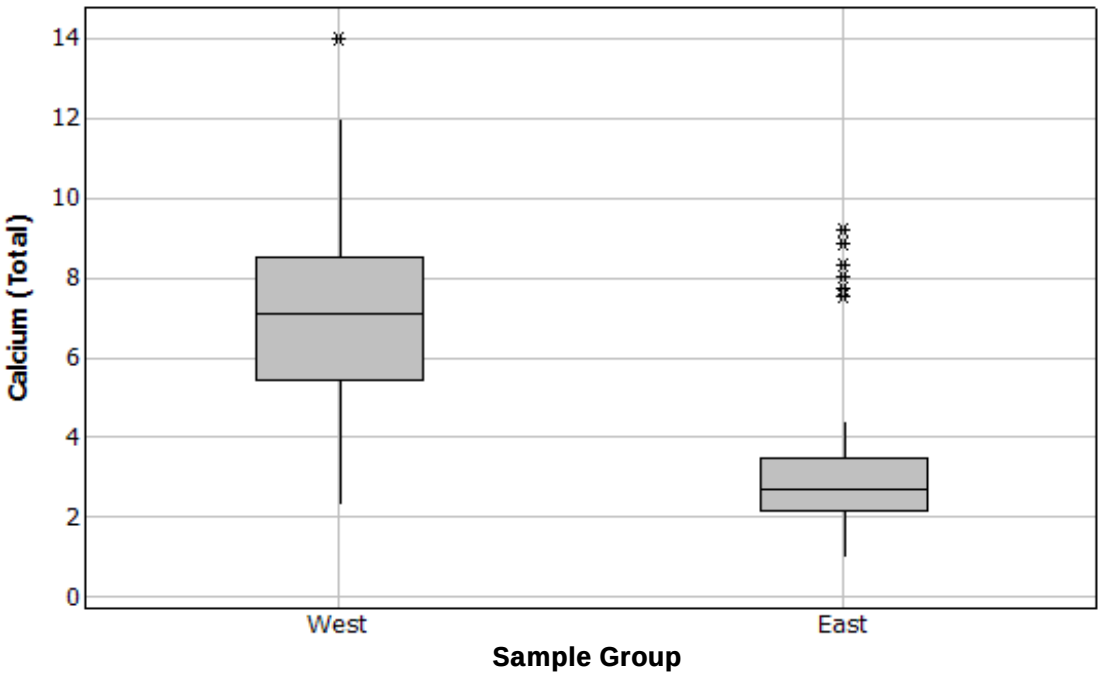
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay East Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

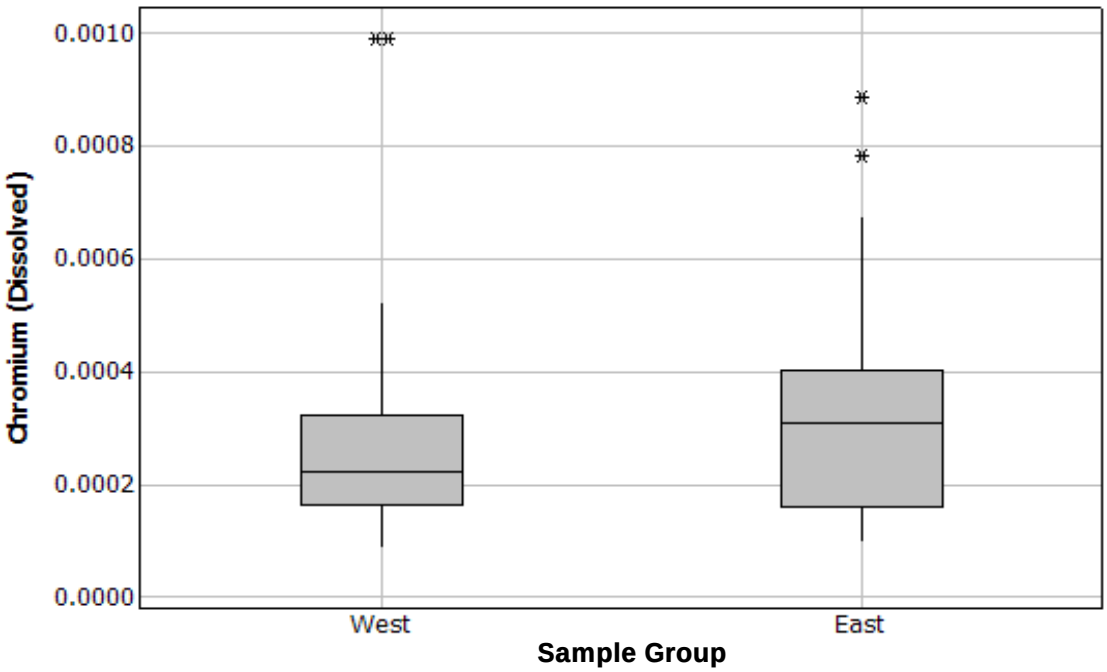
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.004276 to 0.01056 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

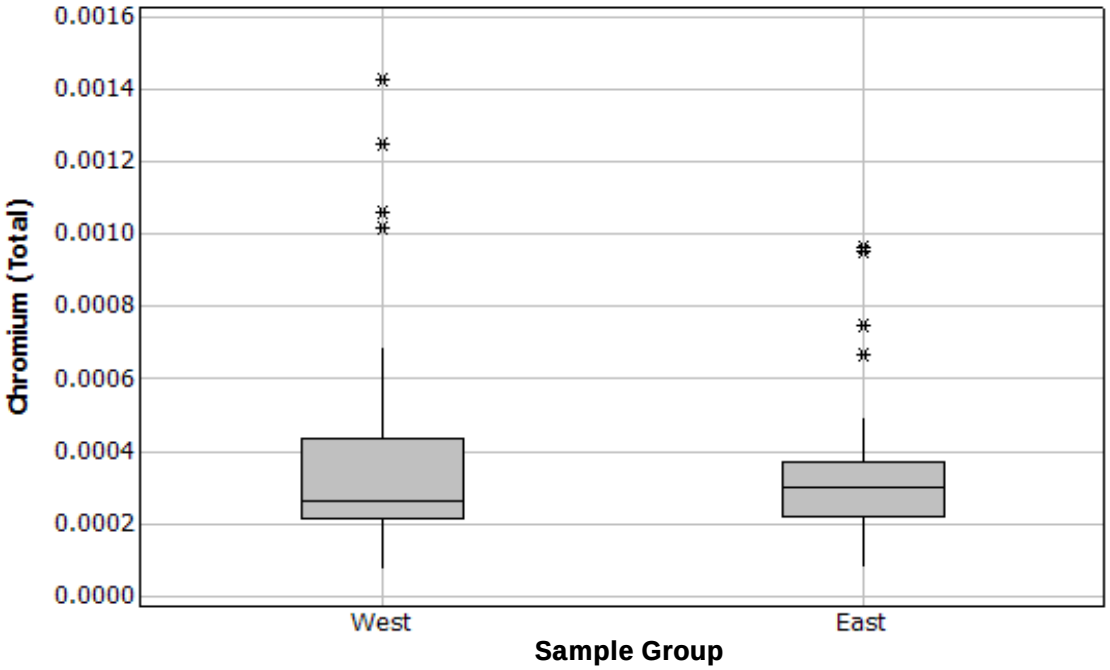
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay East Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.004972 to 0.01098 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

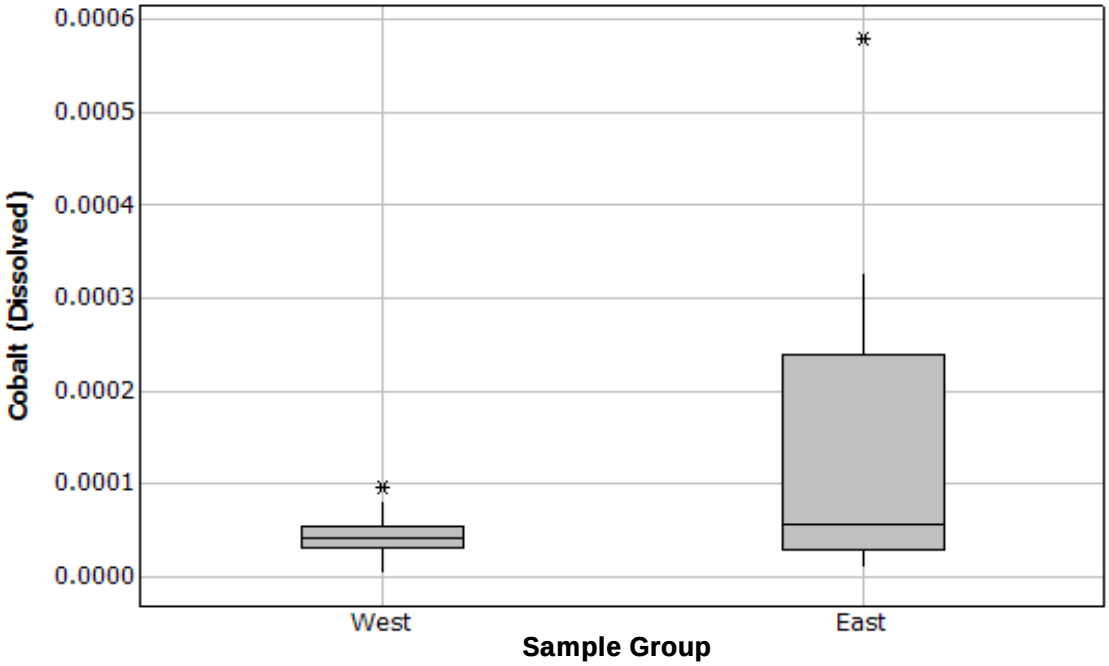
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

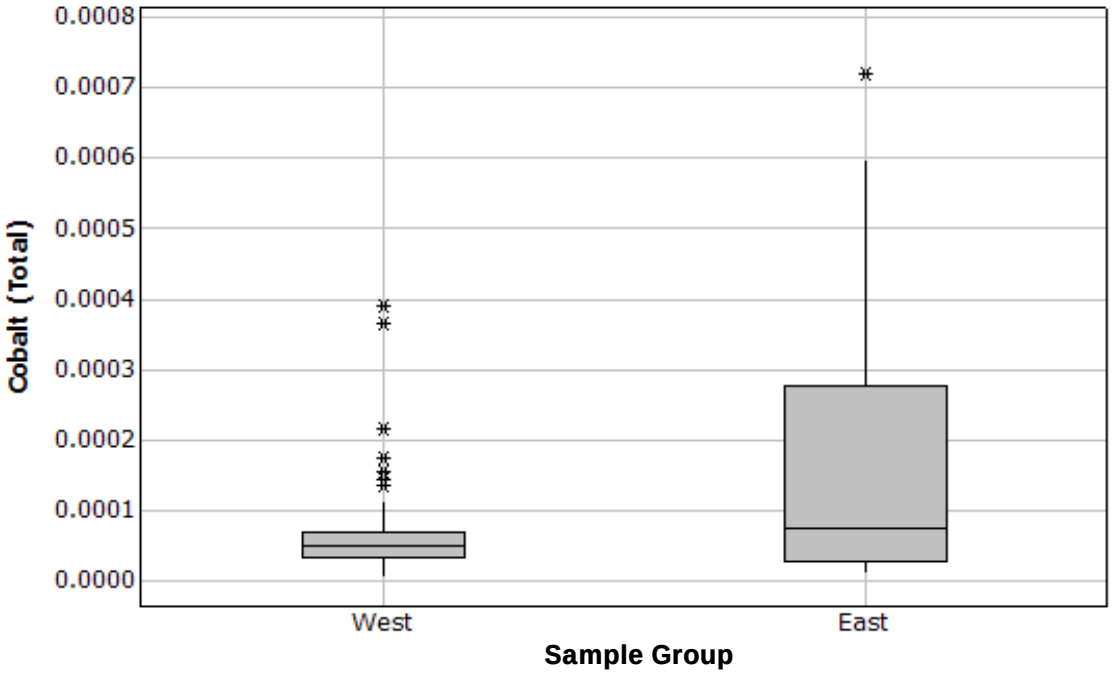
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay East Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

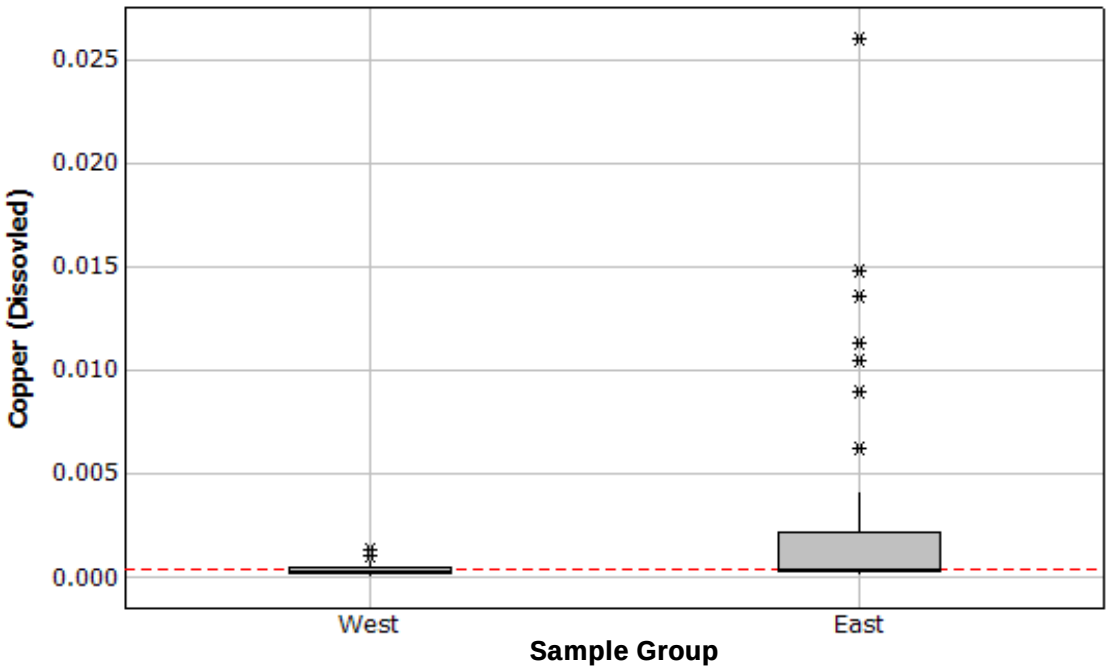
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.000457 to 0.003192 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

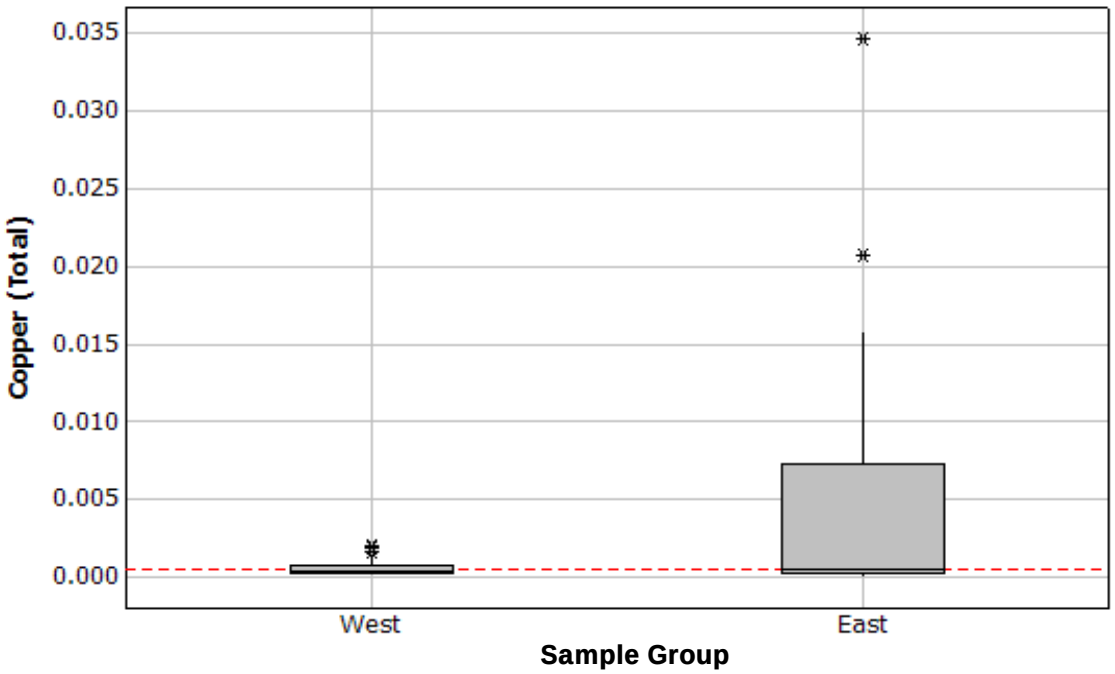
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.000476 to 0.003325 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

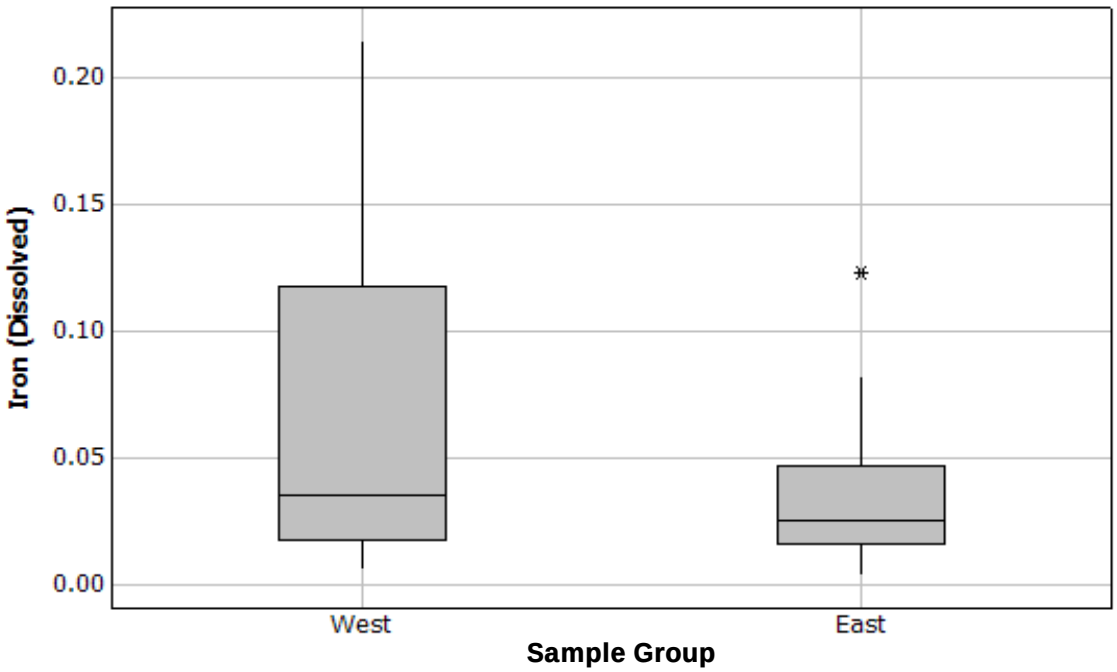
West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results.

The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 1.00

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

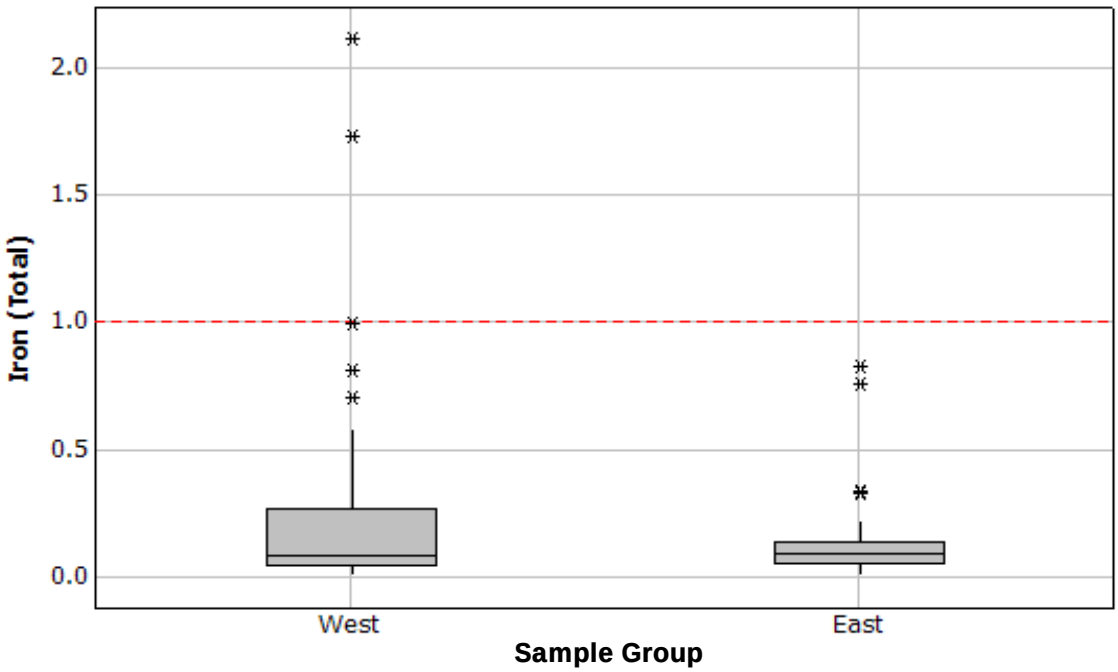
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 1.00

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

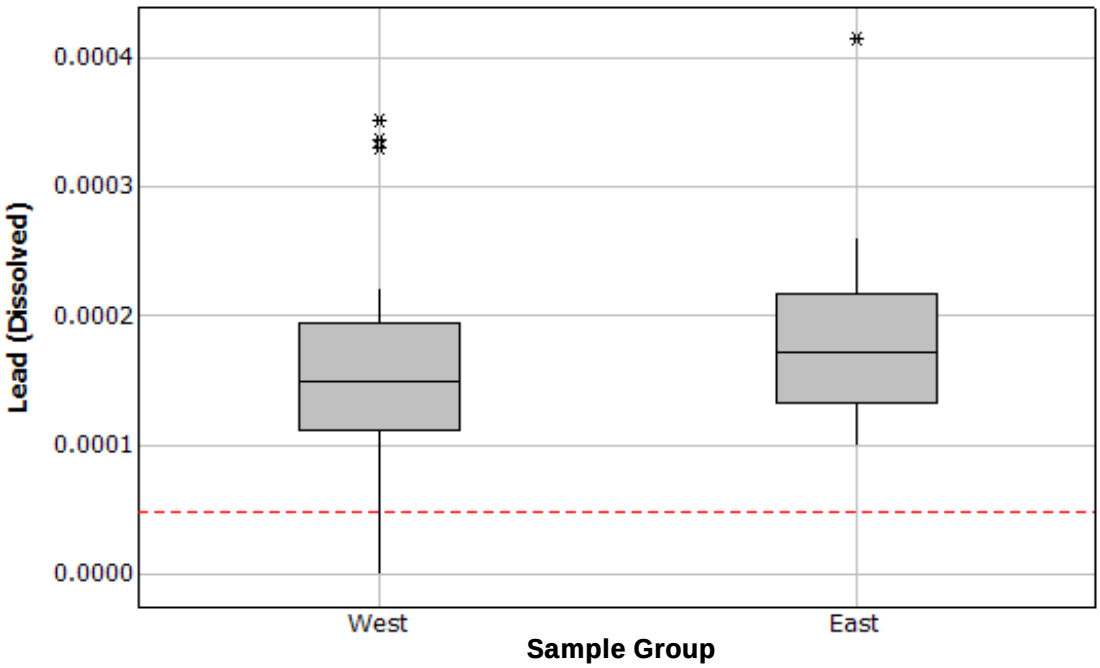
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.000049 to 0.000662 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

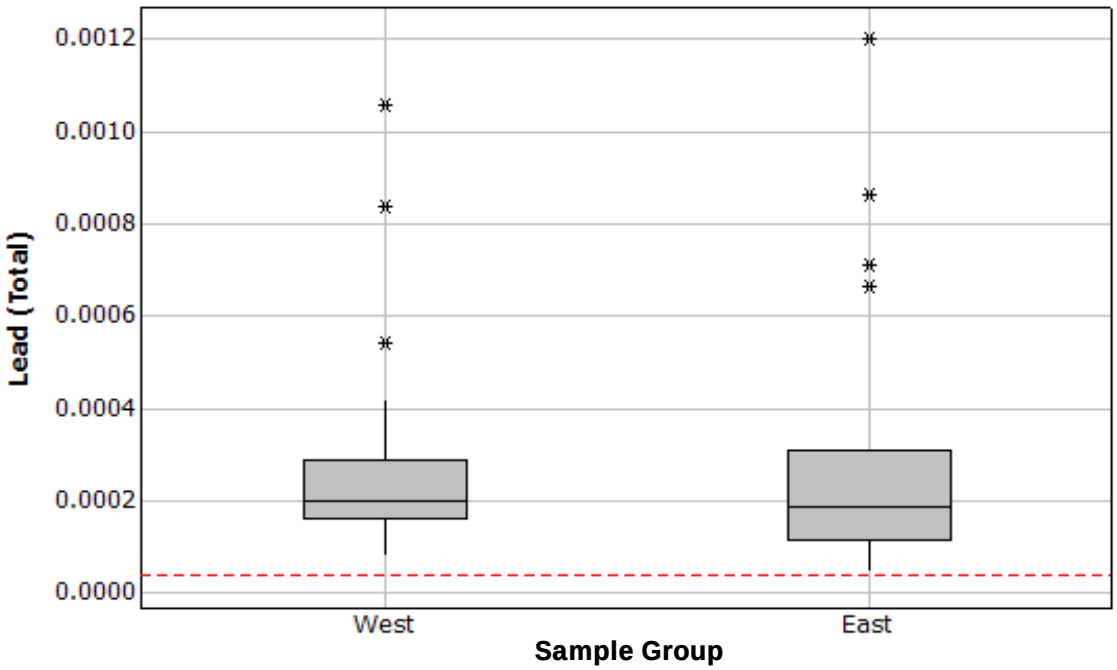
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.000038 to 0.000684 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

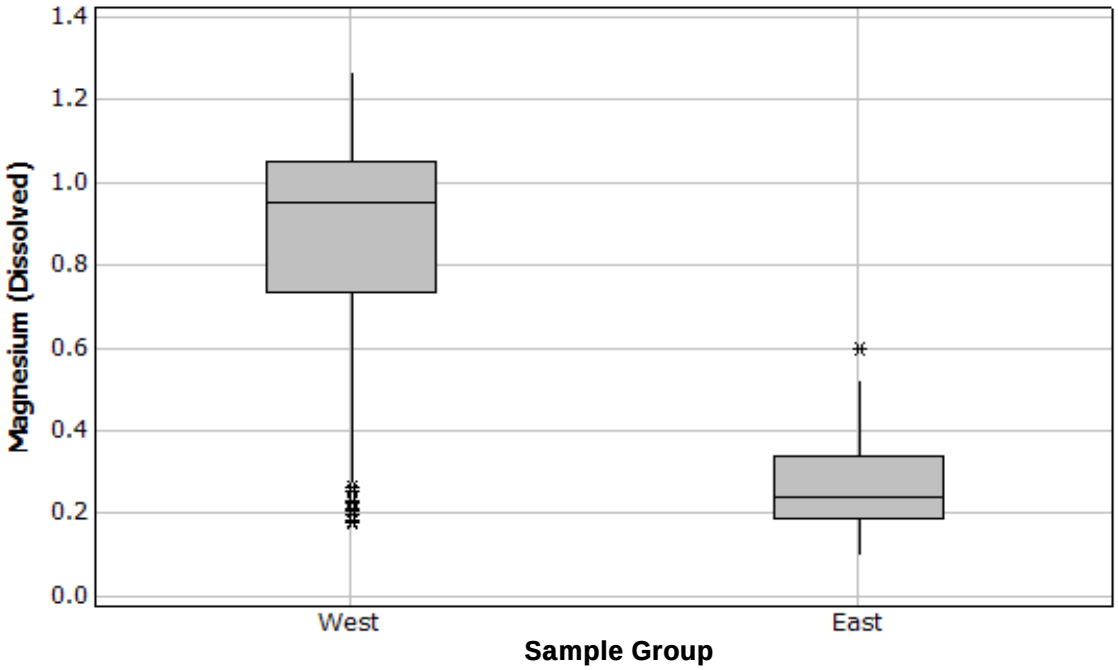
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

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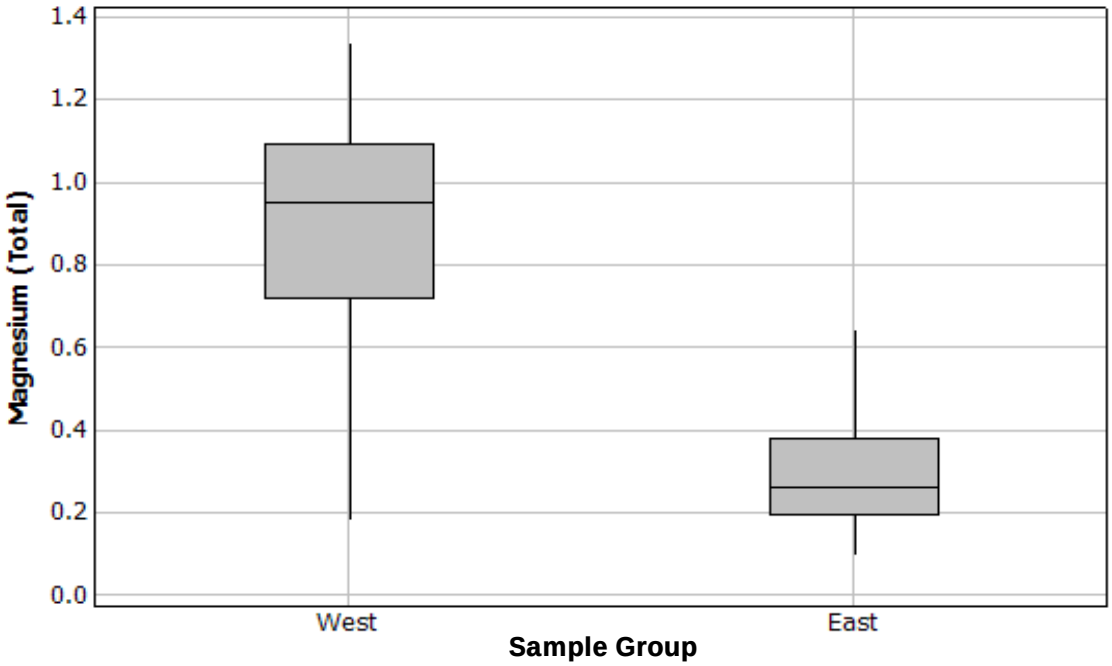
The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

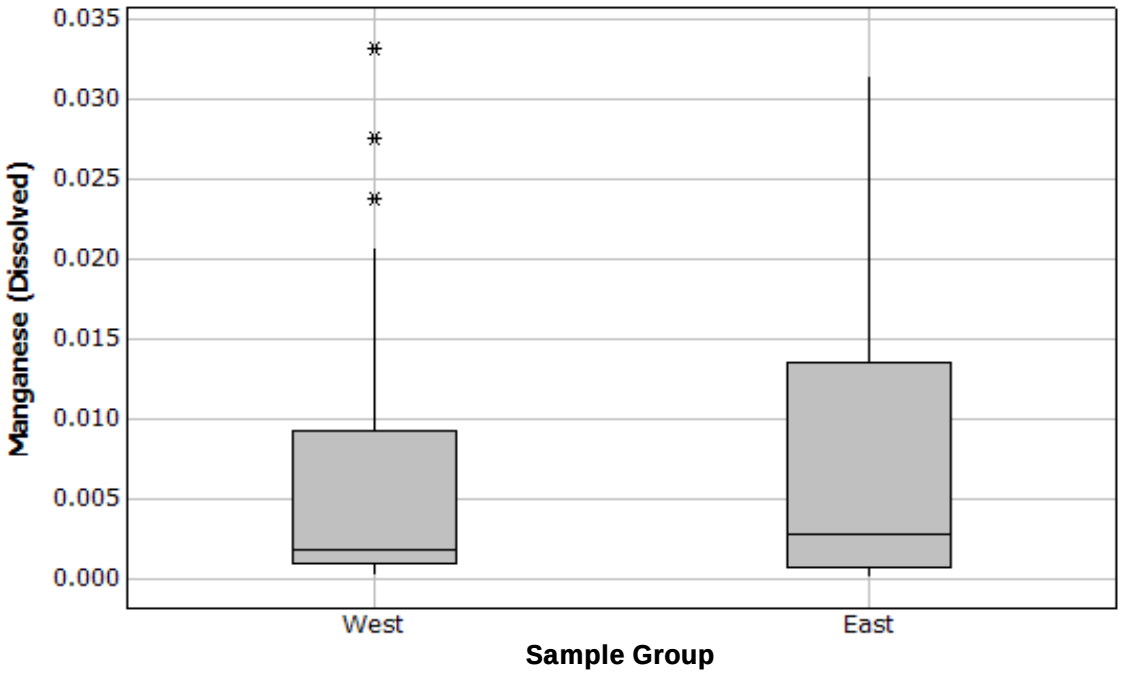
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

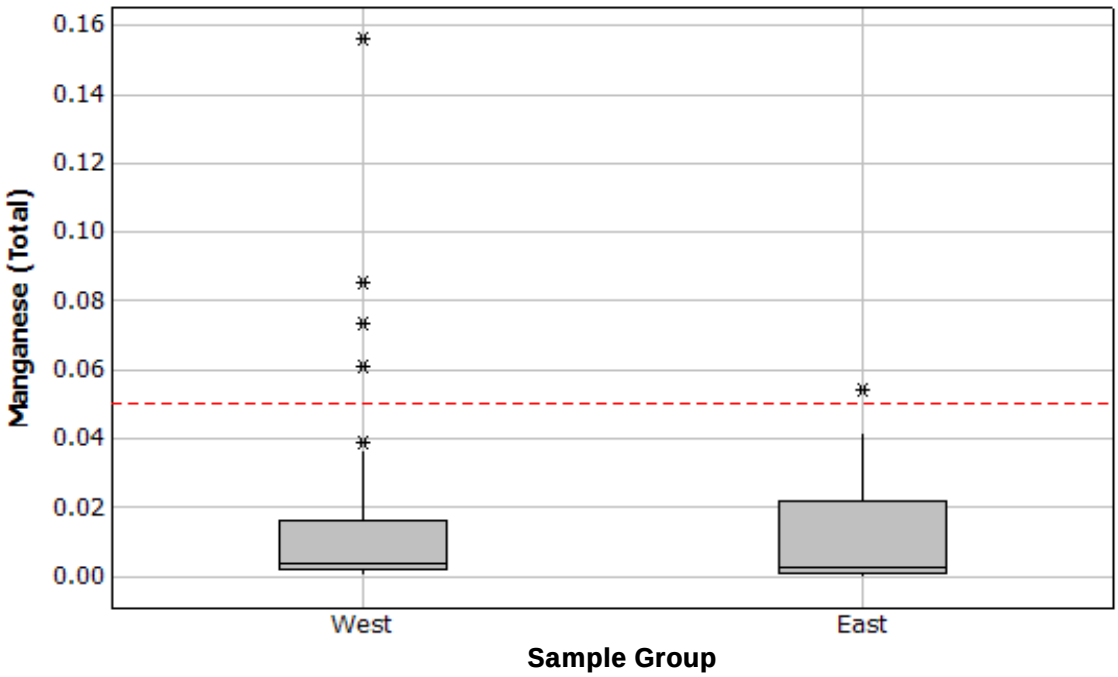
Only detected values are shown.

West = Bristol Bay Western Sample GRoup (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.050

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

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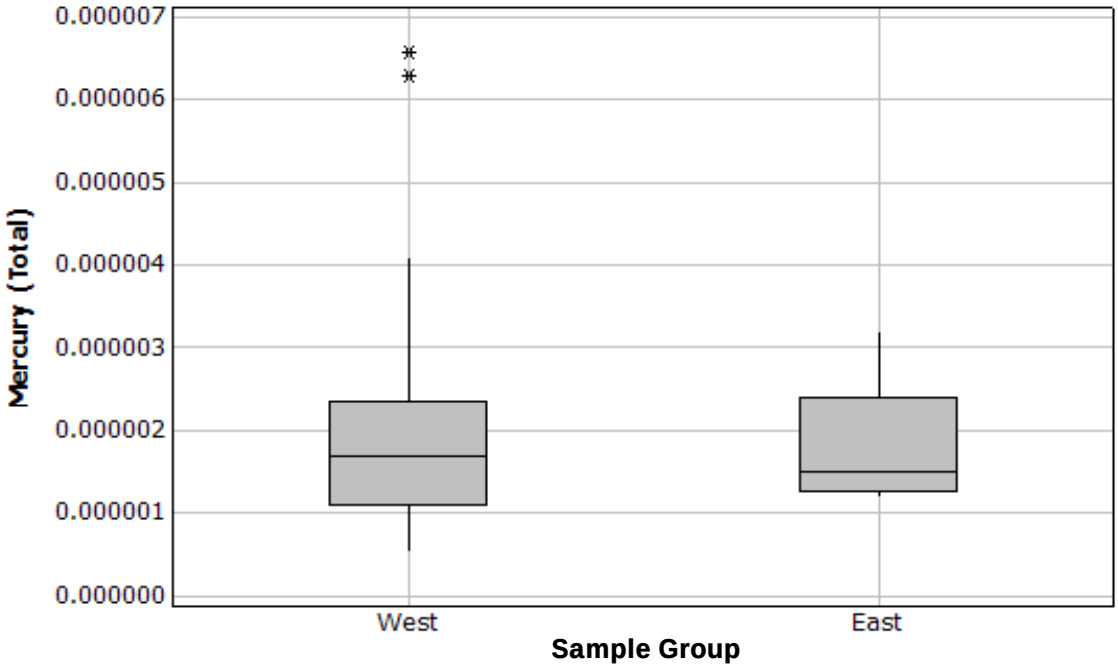


Most Stringent ADEC Water Quality Criterion 0.000012

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

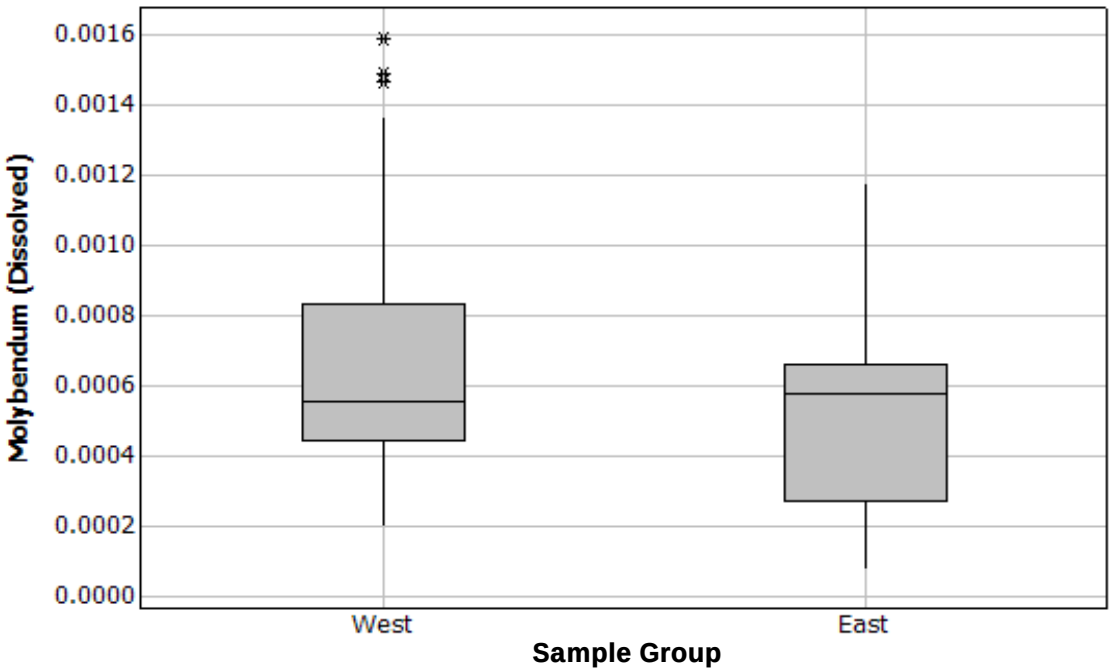
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

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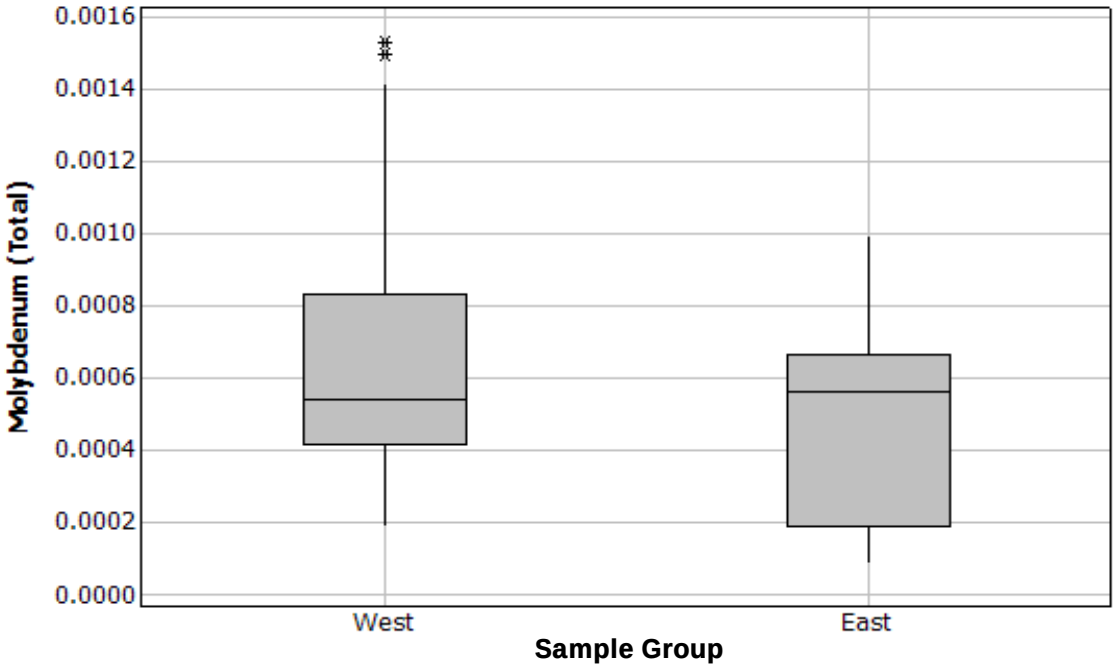

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

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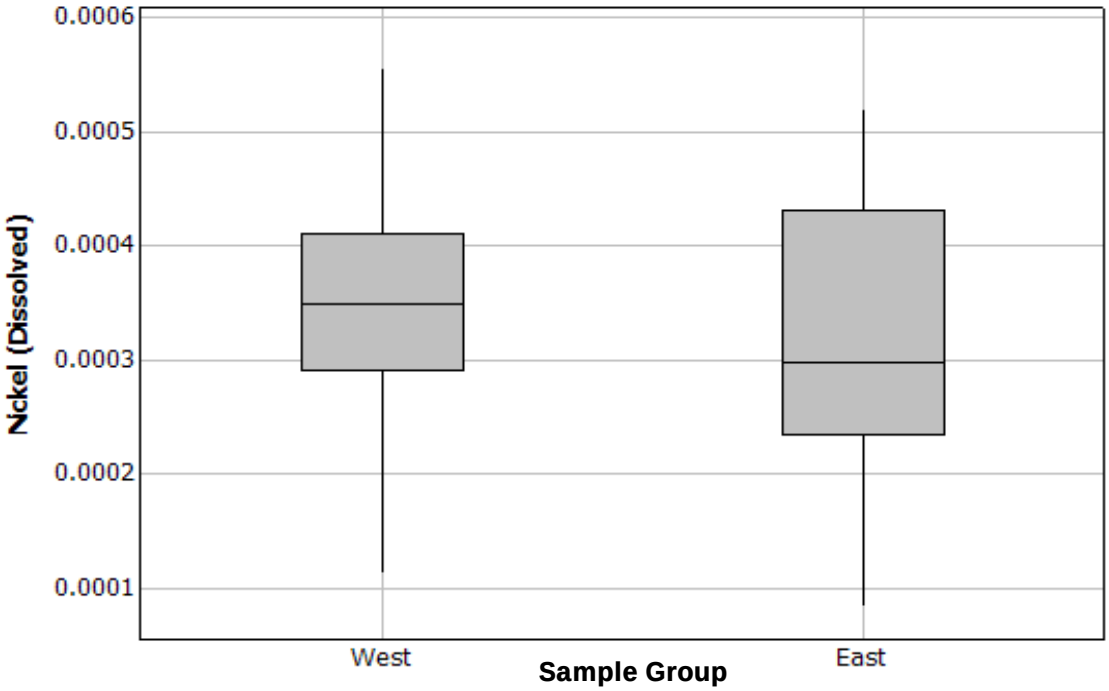

Most Stringent ADEC Water Quality Criteria 0.00273 to 0.01873 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

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The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

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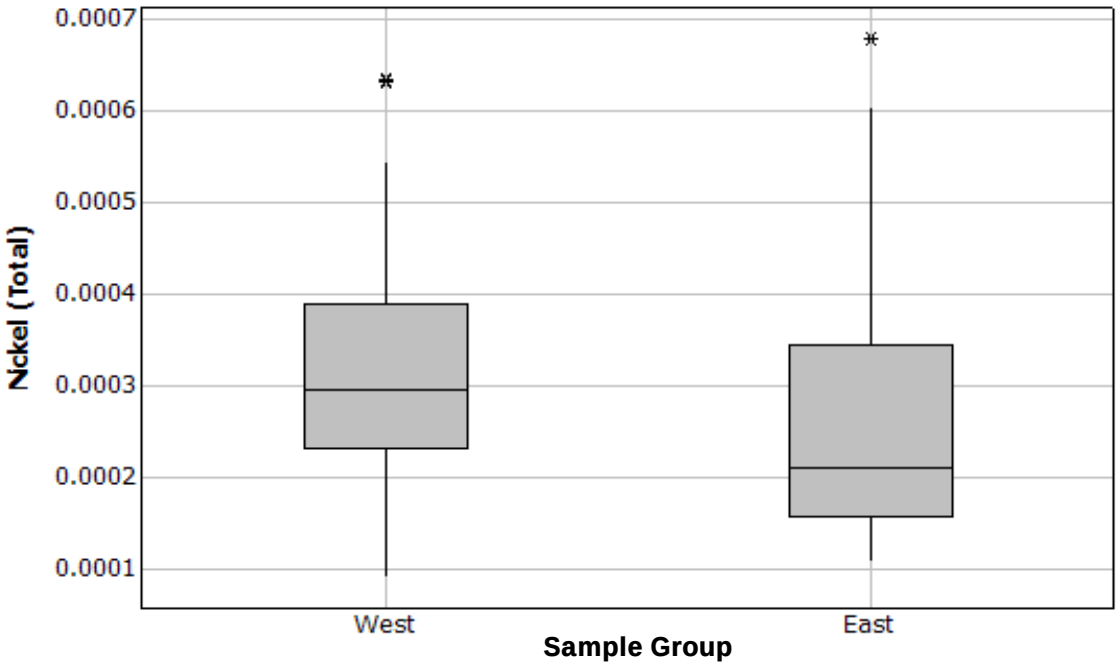

Most Stringent ADEC Water Quality Criteria 0.00274 to 0.01878 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

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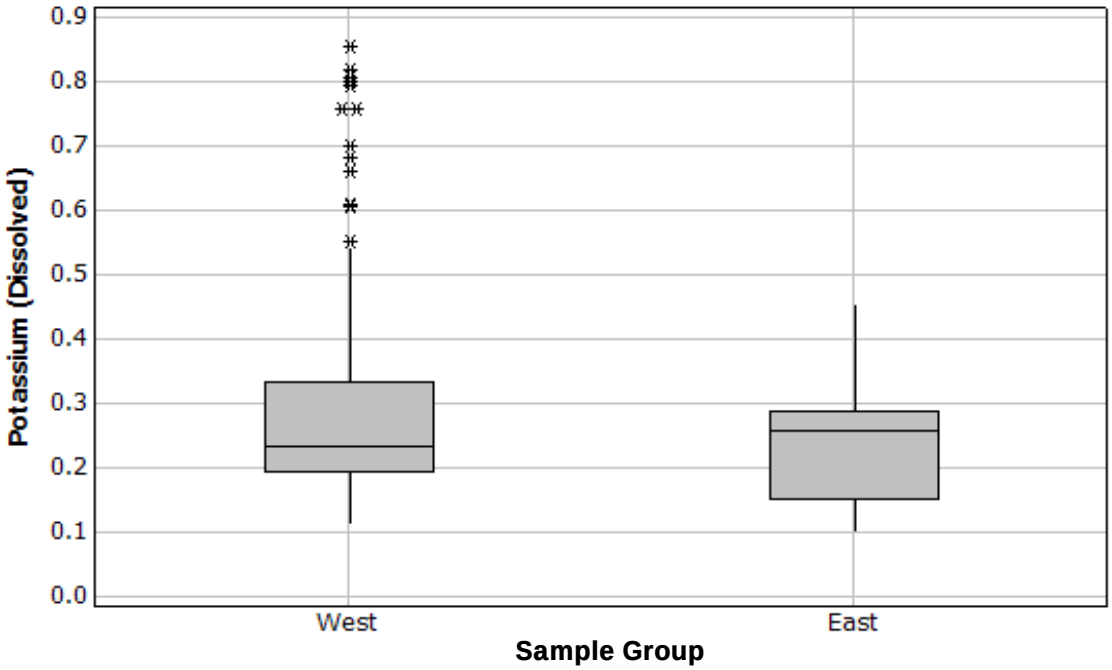


Notes:

Analyte concentrations are in milligrams per liter (mg/L).

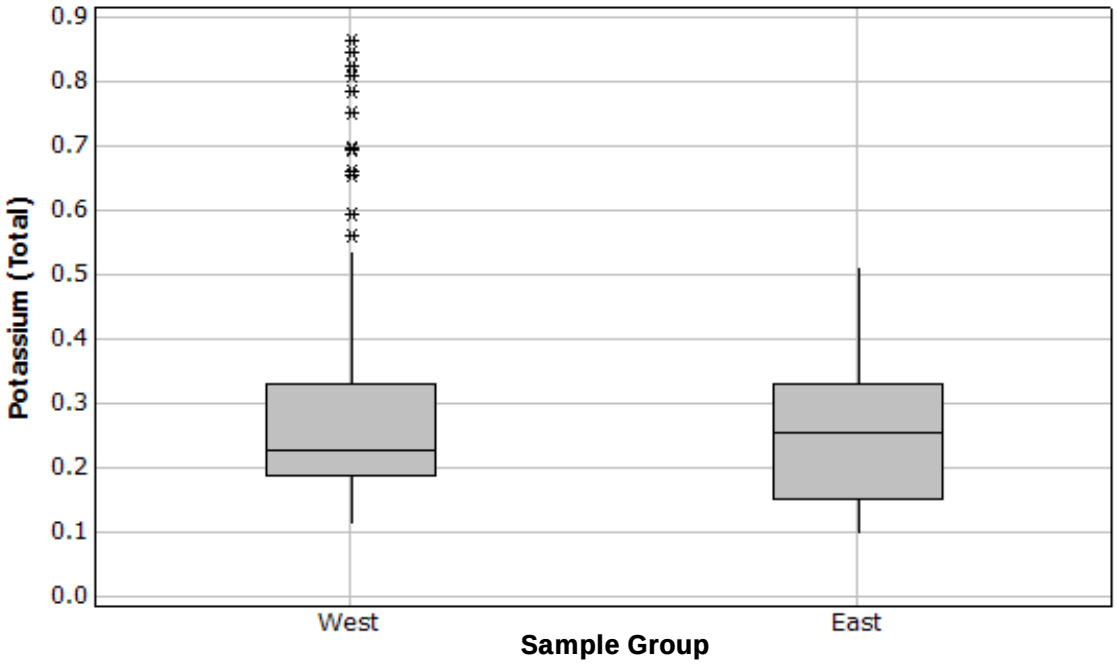
Only detected values are shown.

West = Bristol Bay Western sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

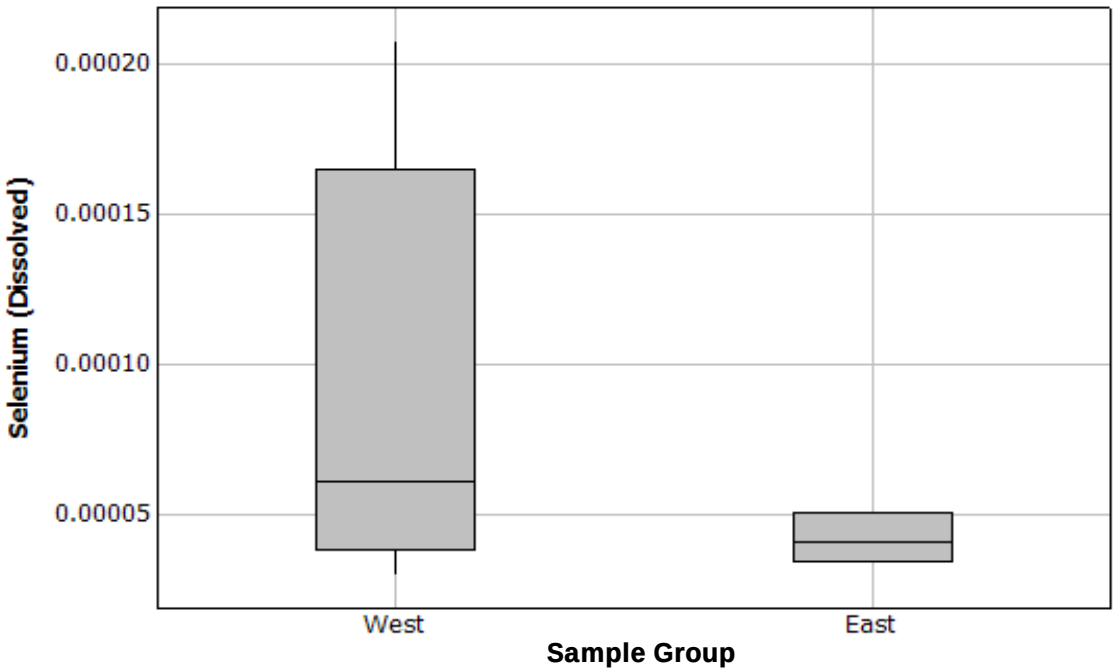
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008 and 2009). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.0046

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

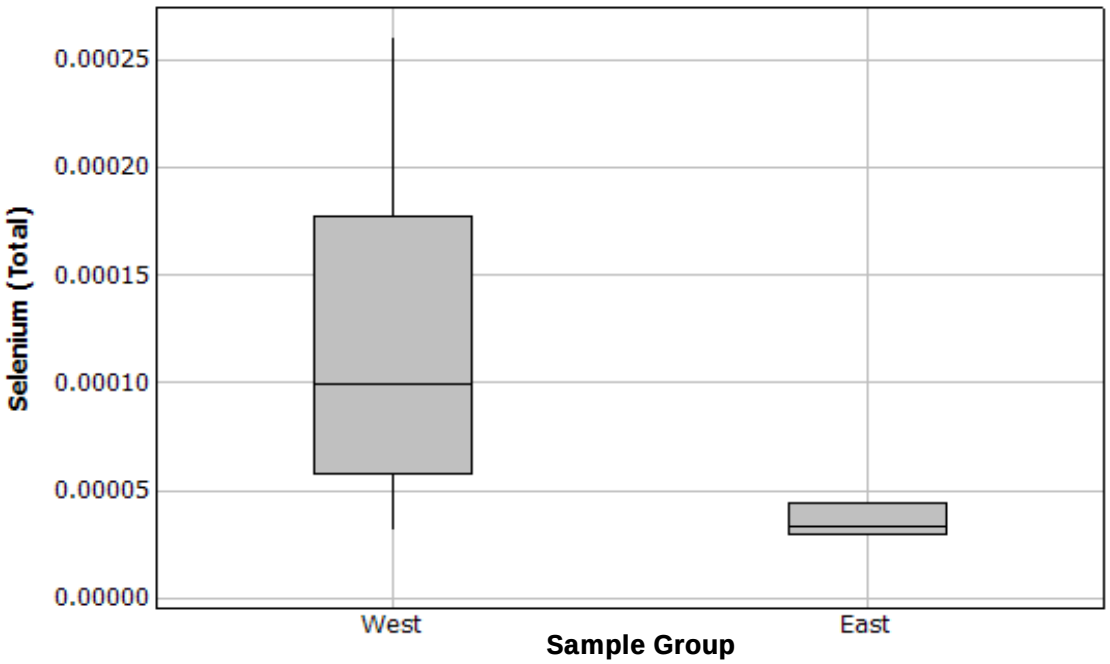
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.0050

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

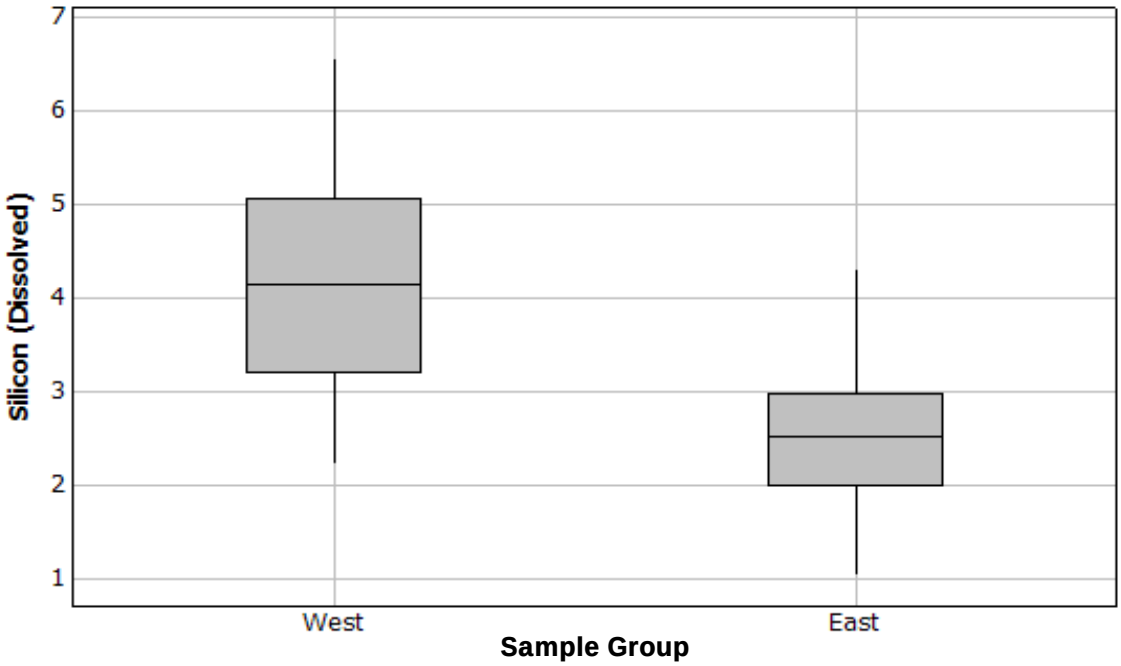
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

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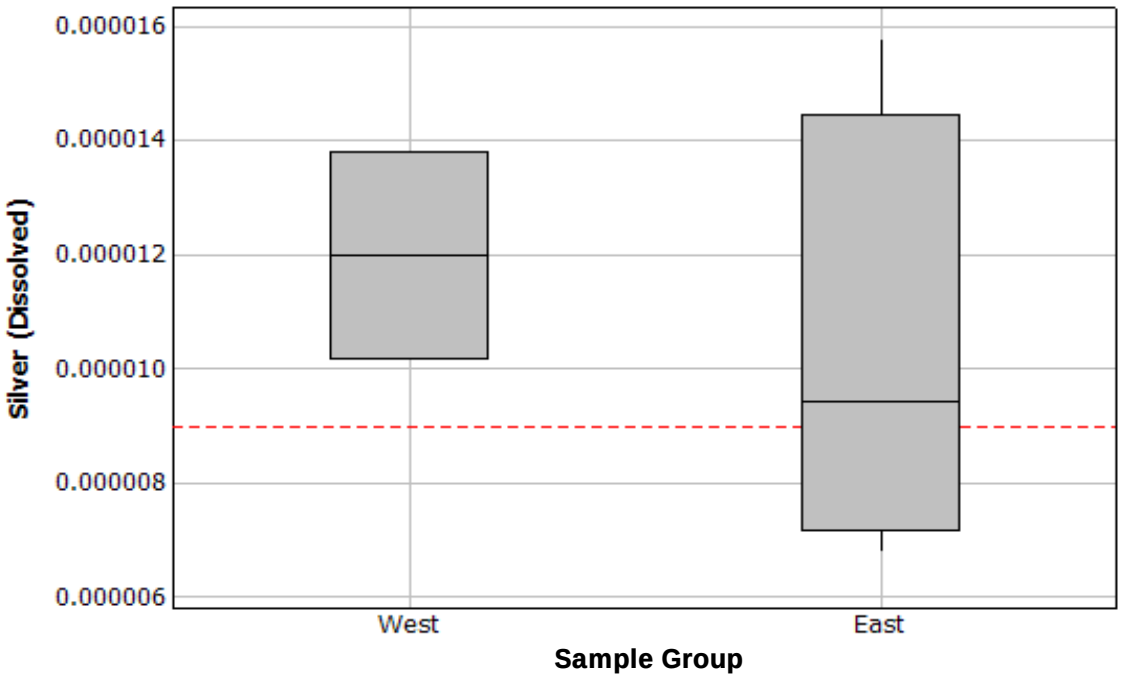


Most Stringent ADEC Water Quality Criteria 0.000009 to 0.000432 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

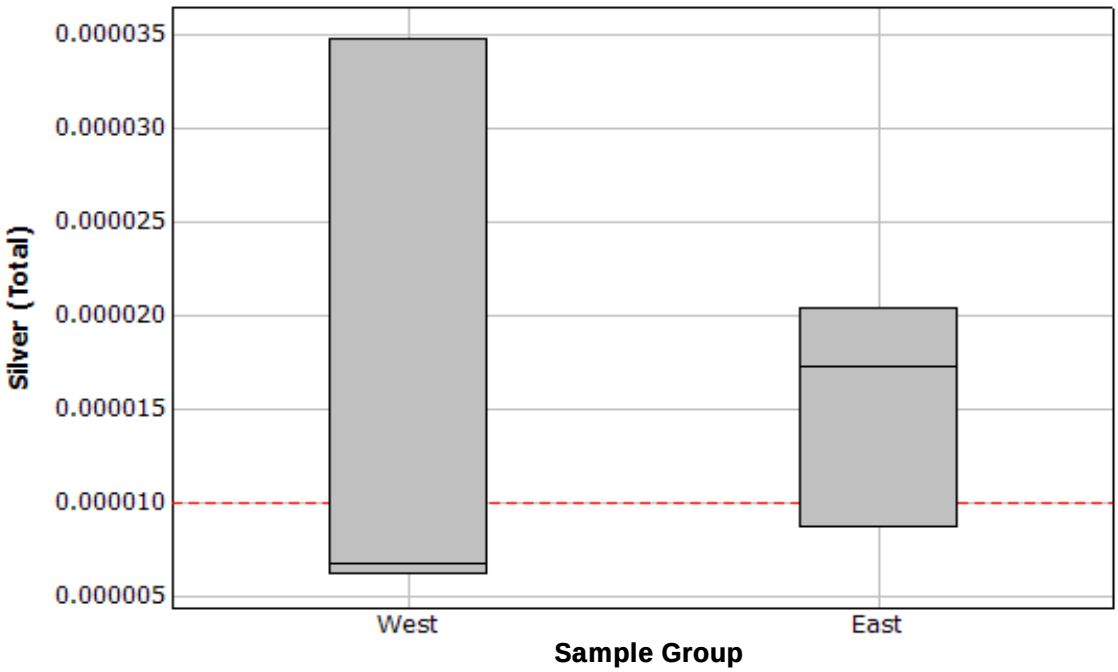
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.00001 to 0.000509 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

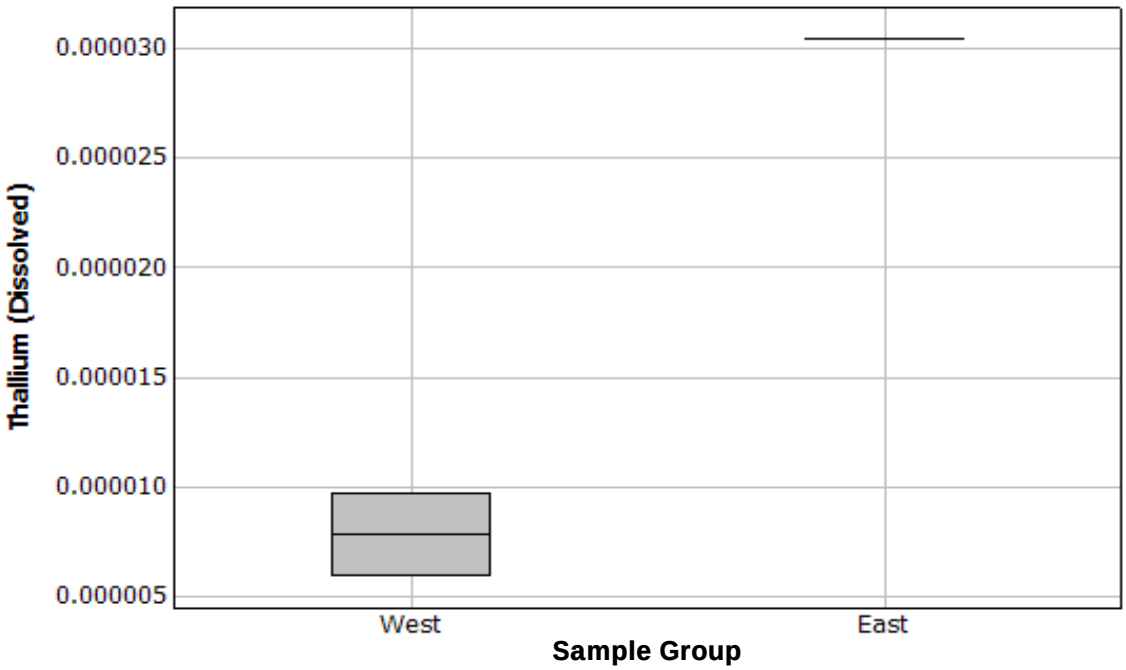
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

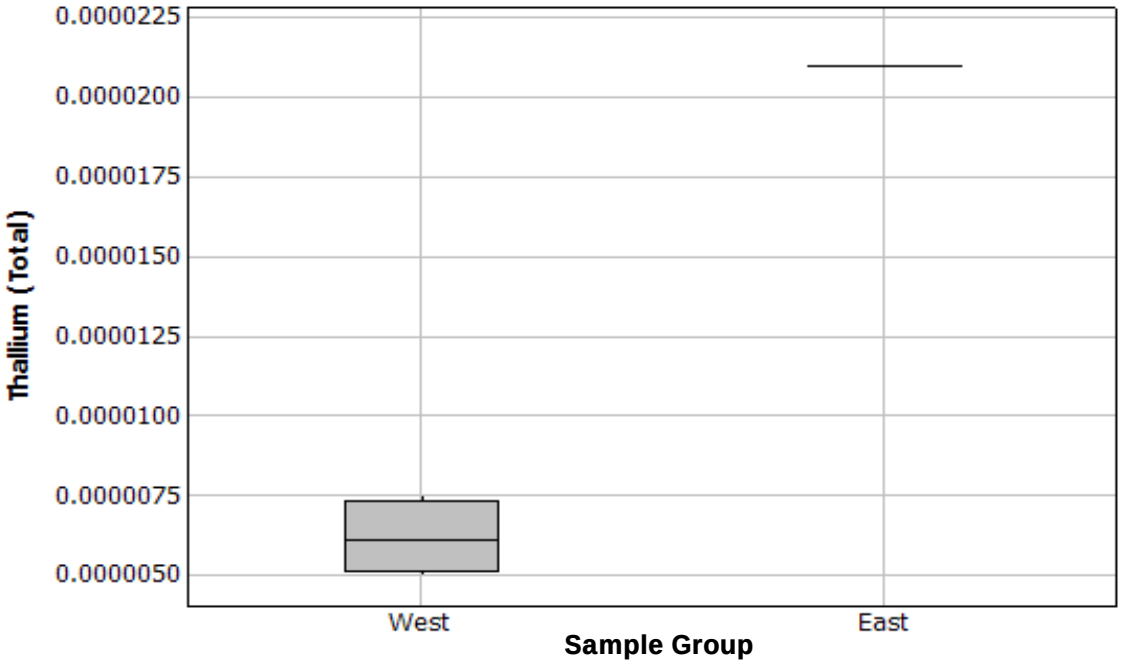
Only one value for the Bristol Bay East Drainage was detected.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.0020

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

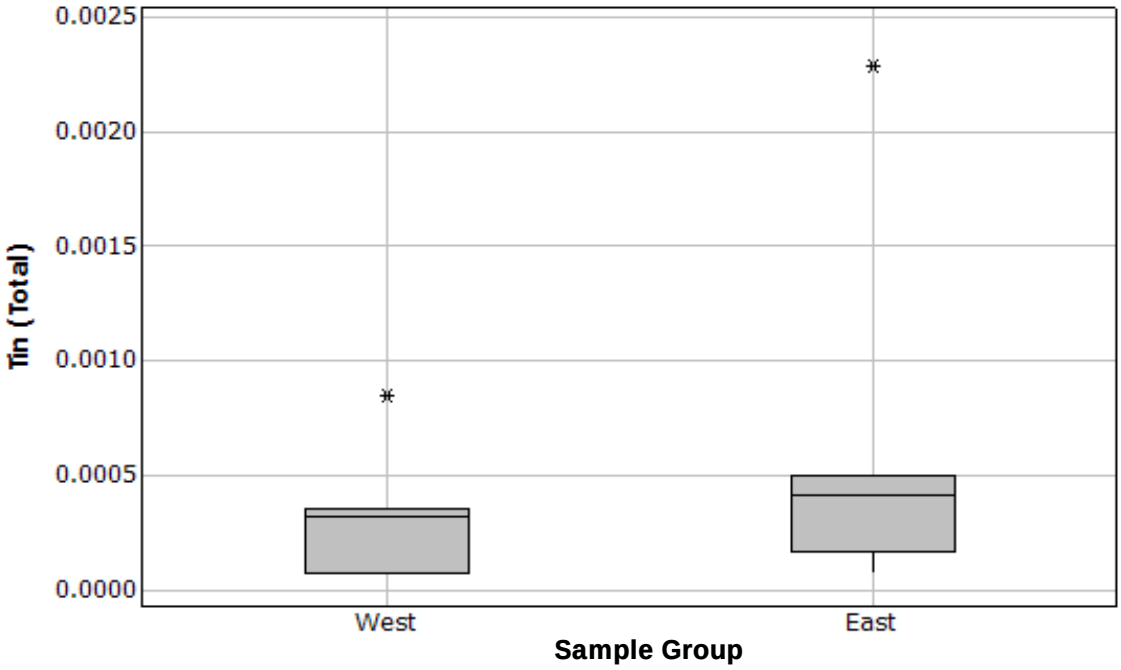
Only one value for the Bristol Bay Eastern Sample Group was detected.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

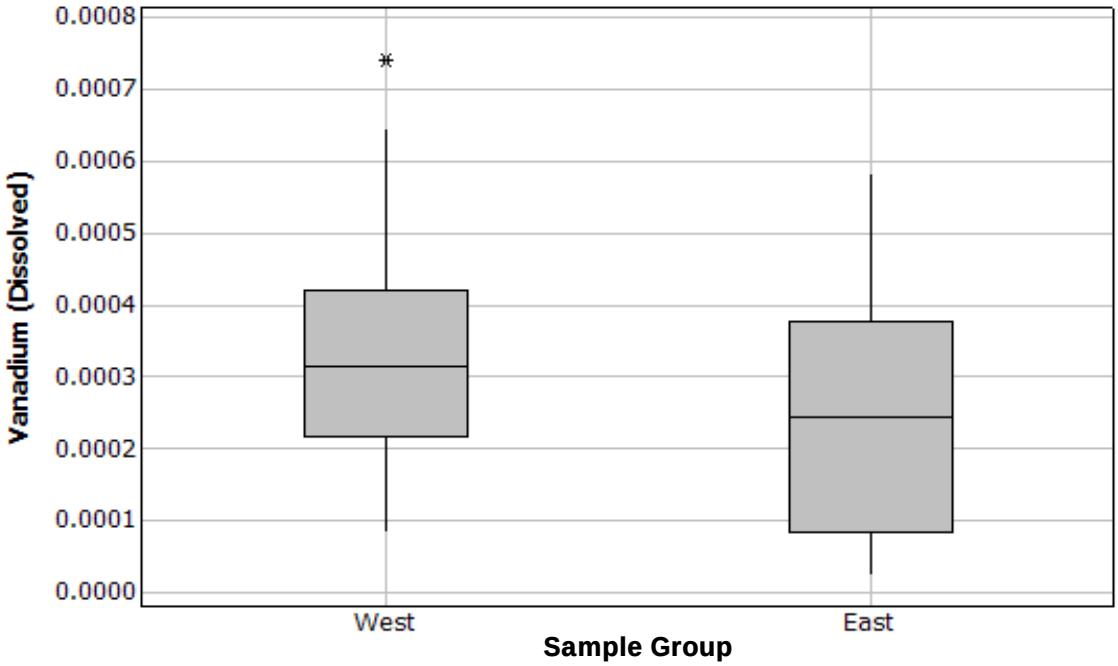
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

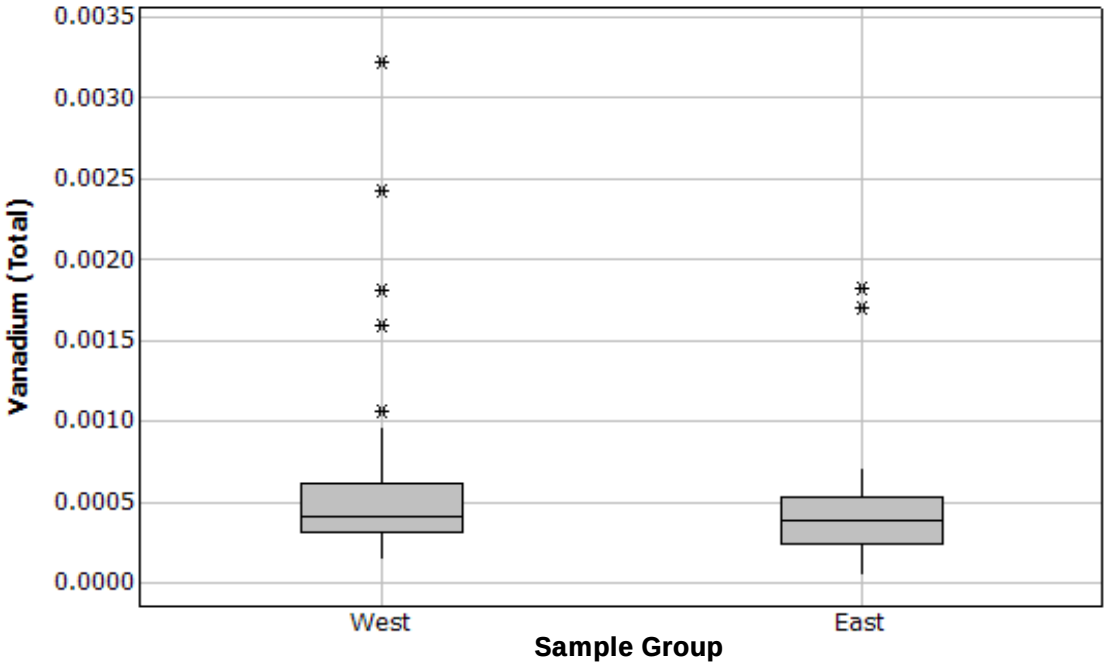
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

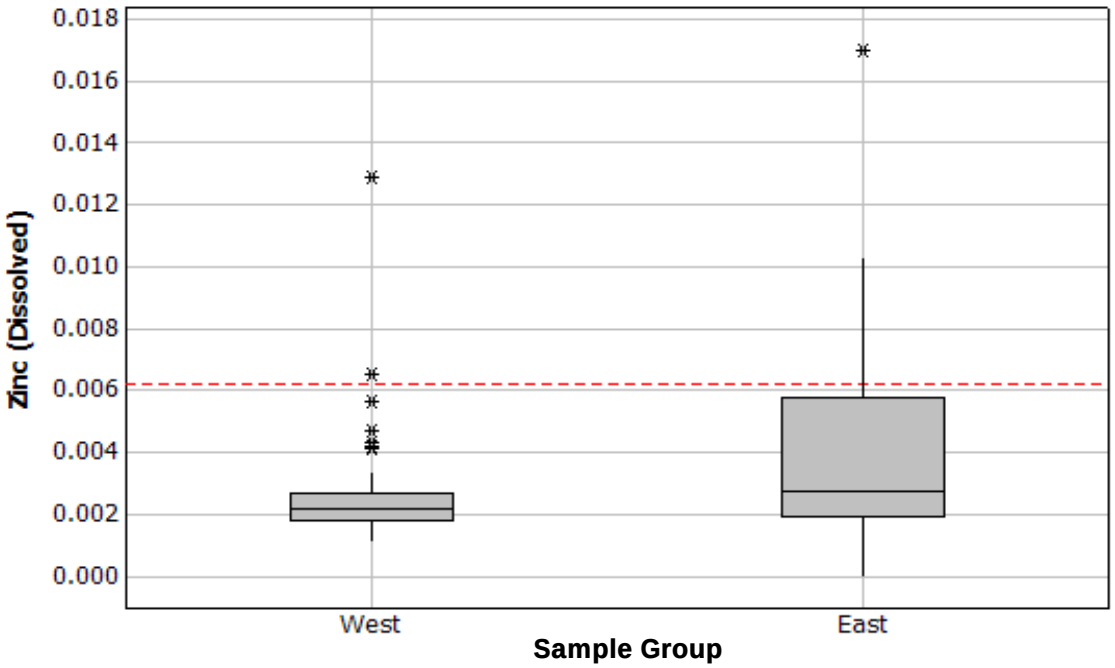
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.00618 to 0.04247 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

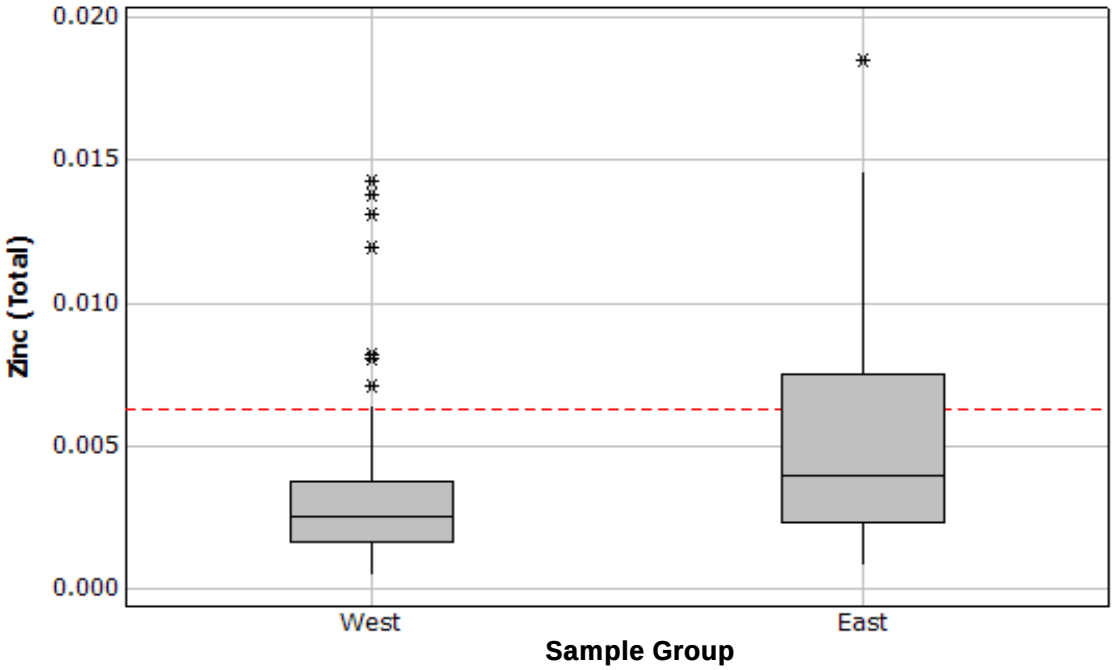
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 0.00626 to 0.04308 (Range of hardness-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

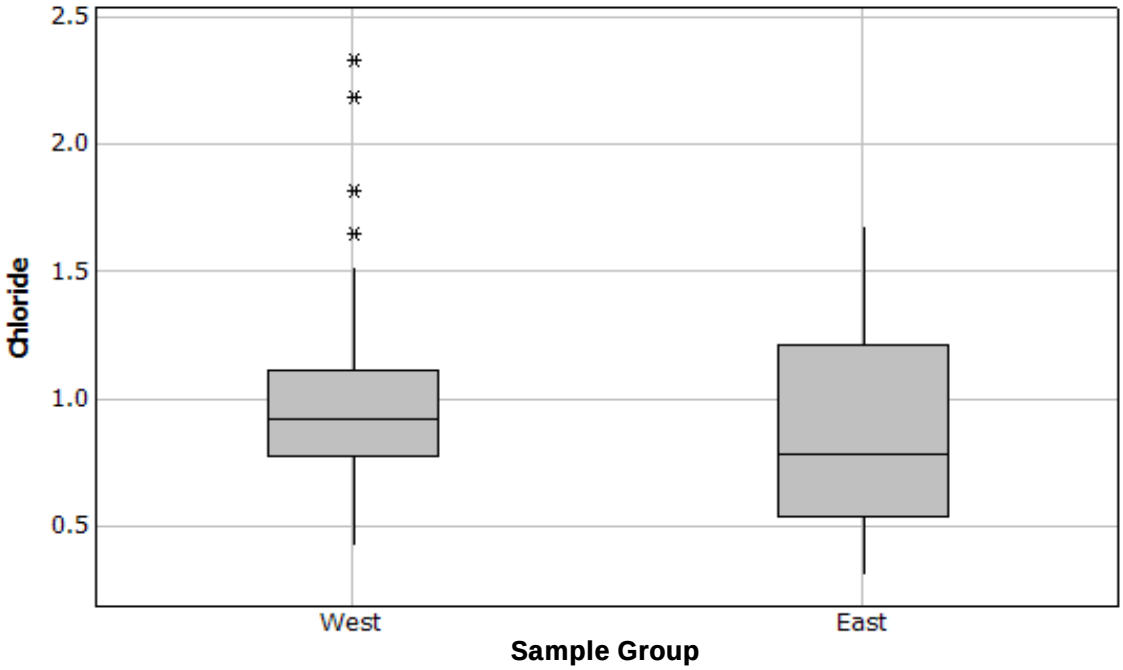
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (East ernSample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 230

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

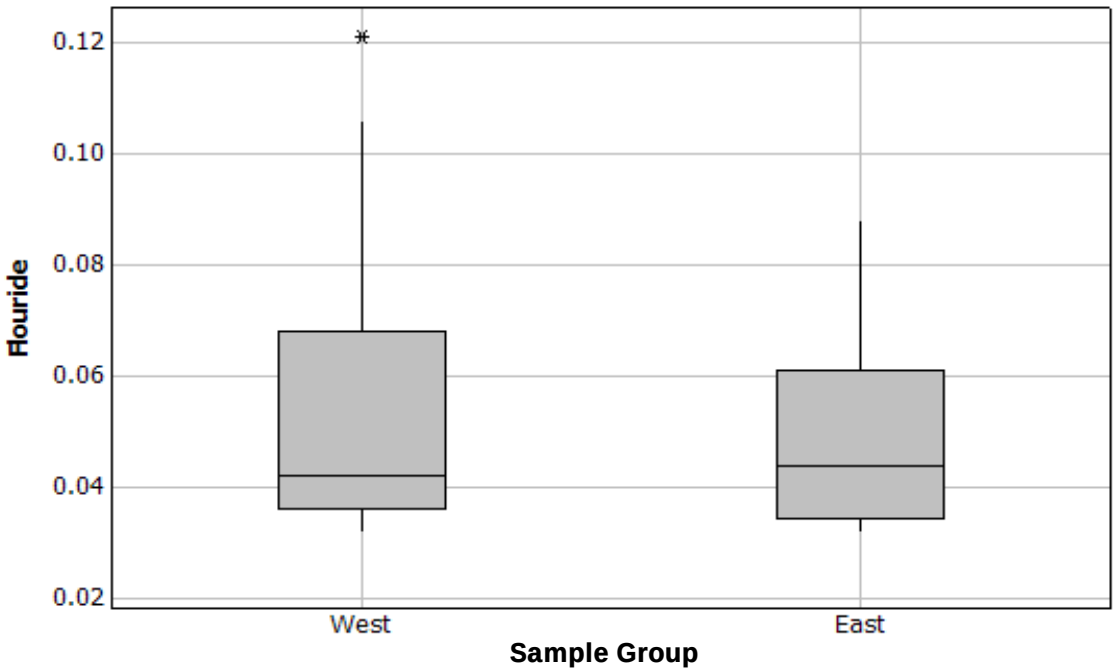
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 4.0

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

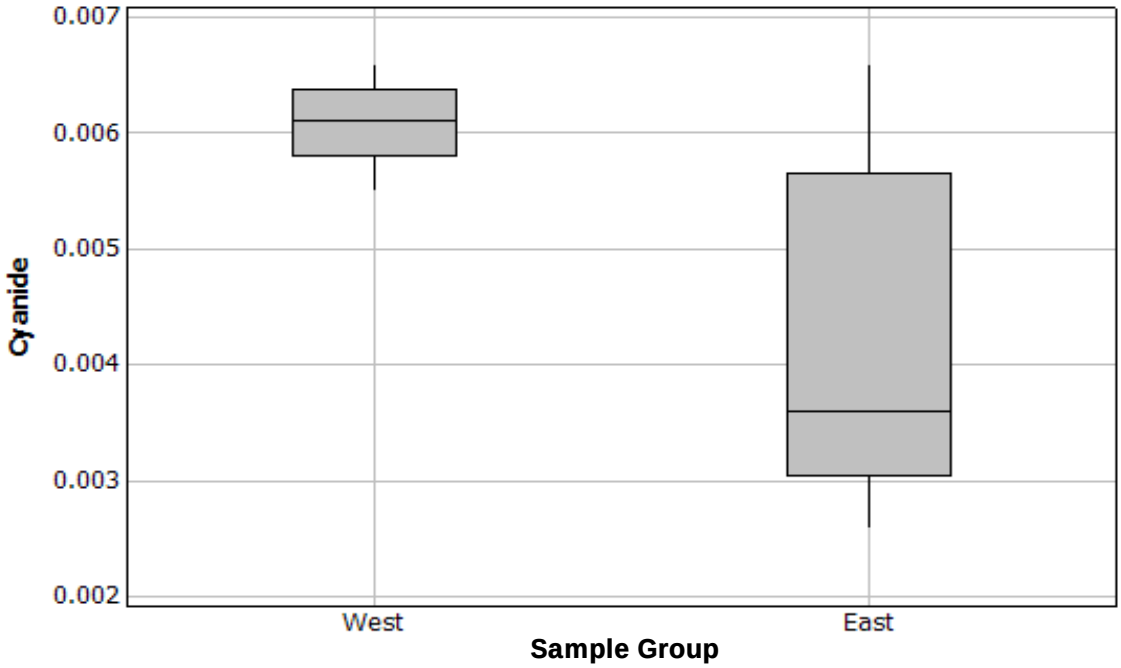
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

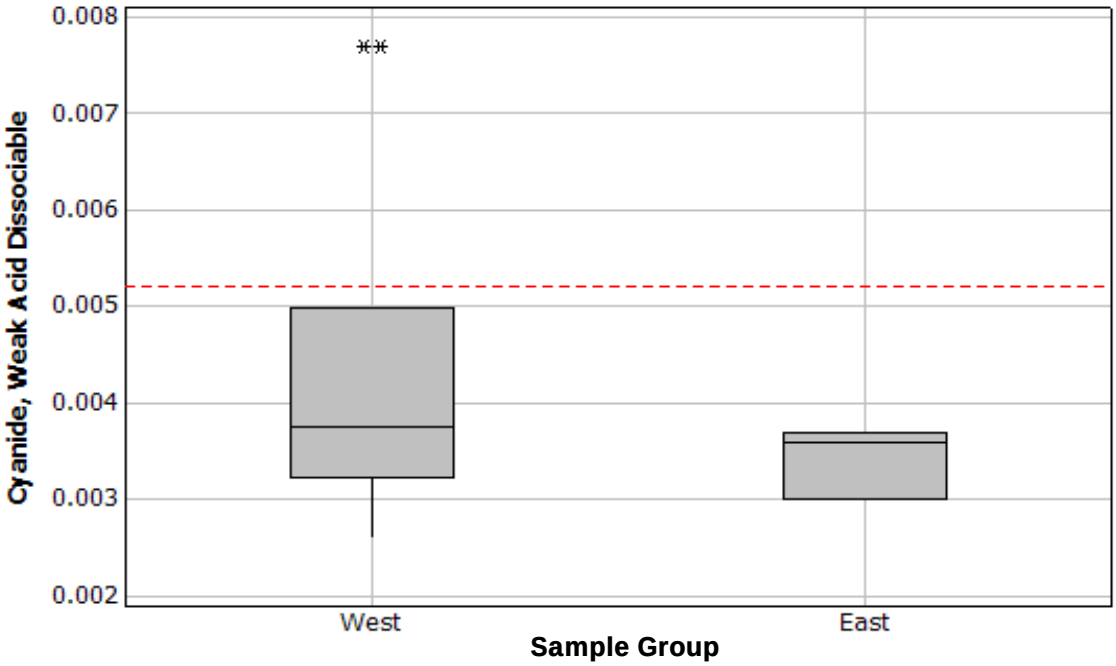
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 0.0052

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

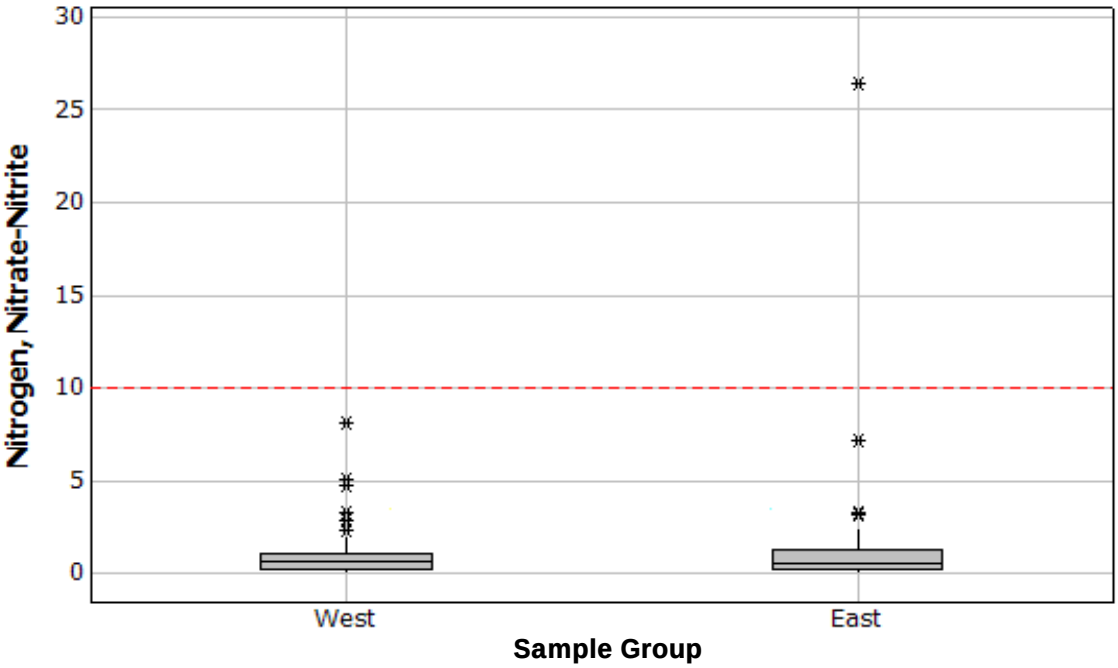
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 10

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

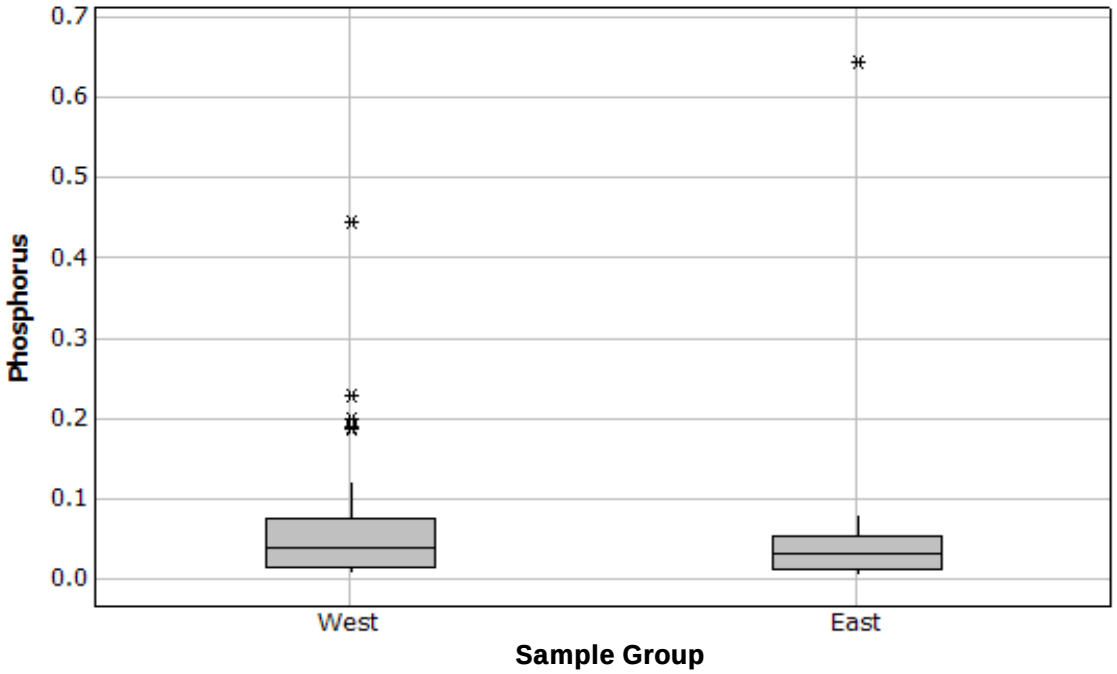
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

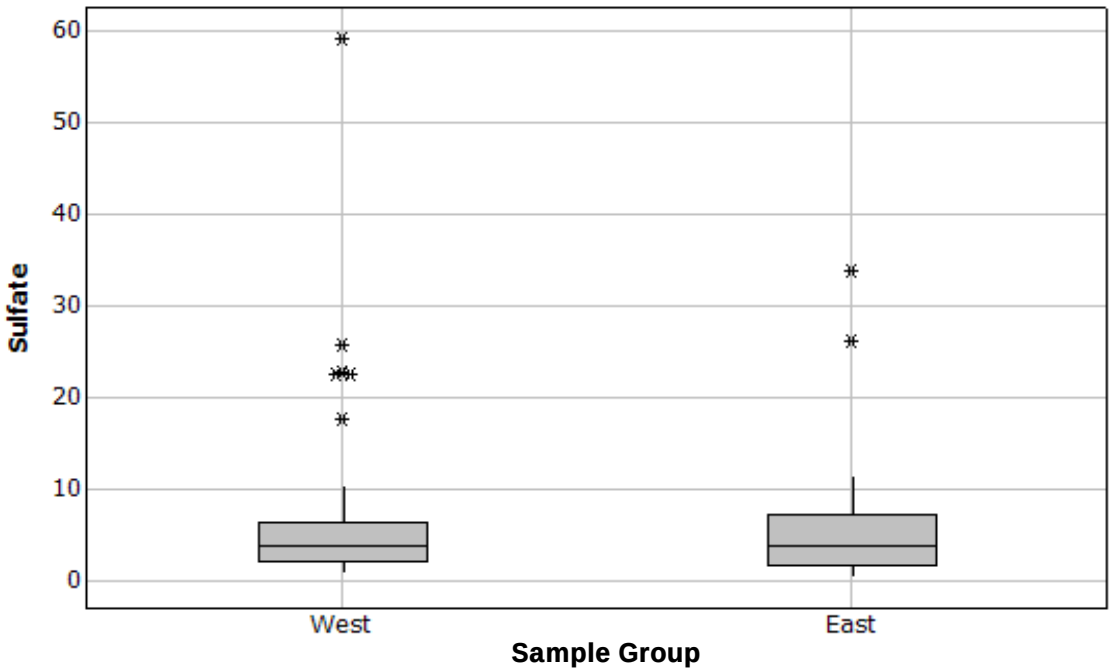
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 250

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

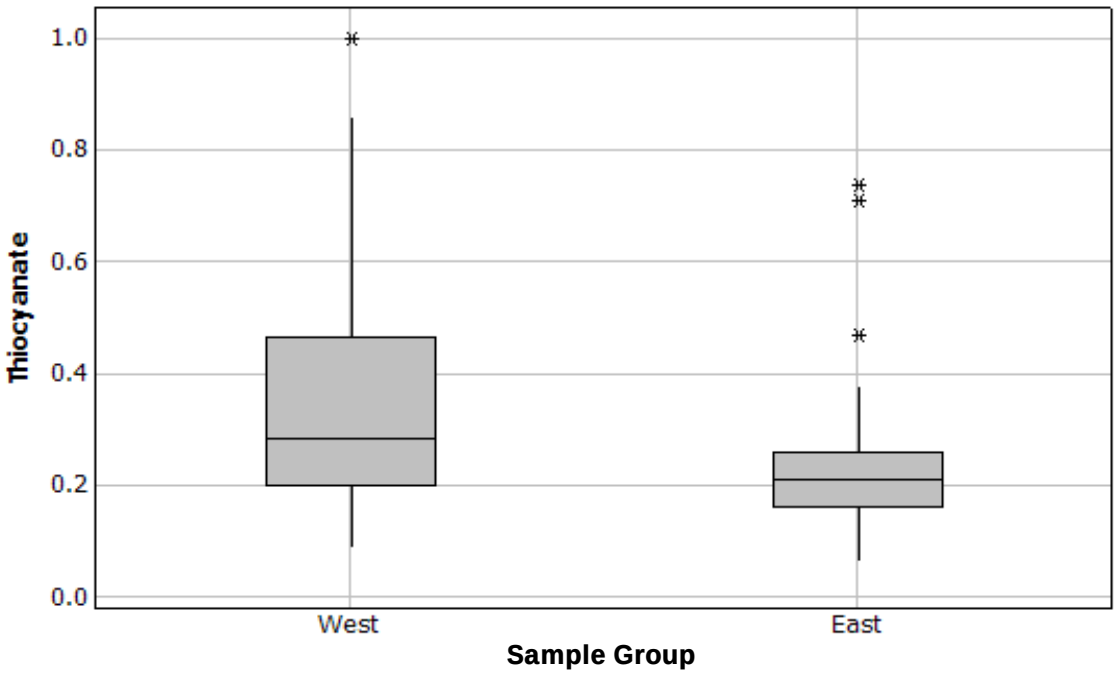
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

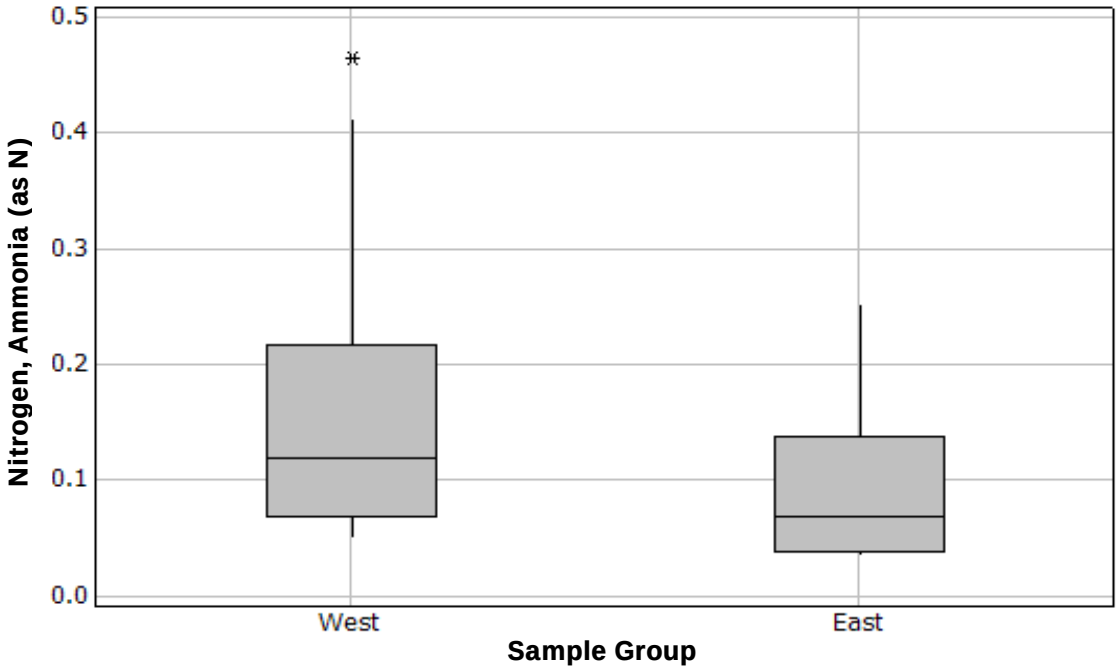
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 6.57 to 7.08 (Range of pH- and temperature-dependent criteria across rivers)

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

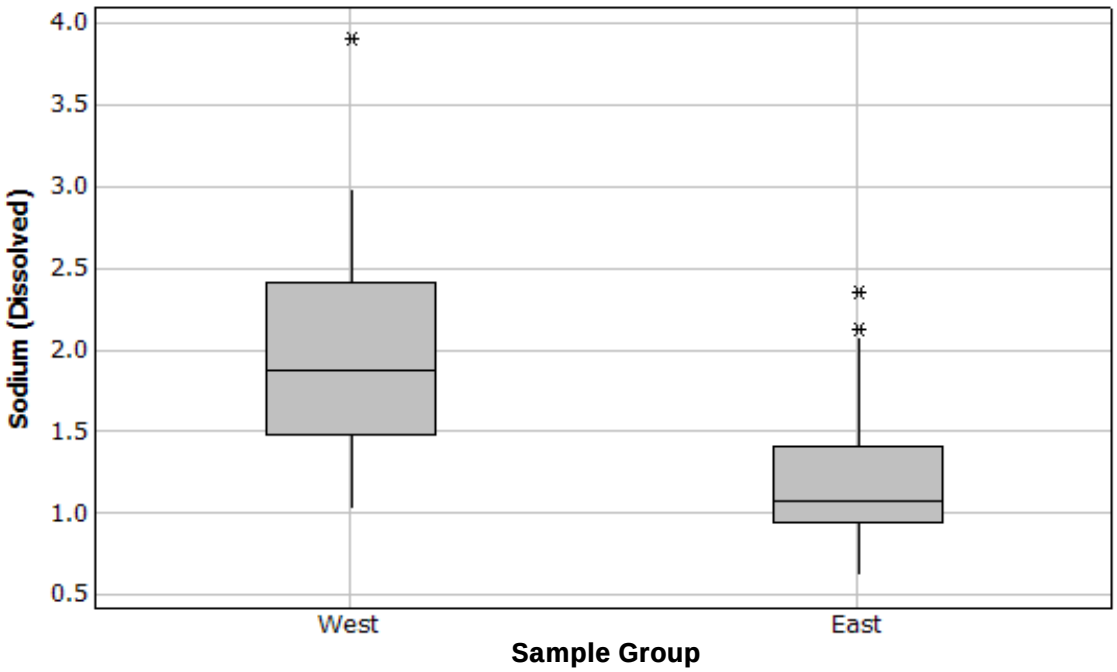
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

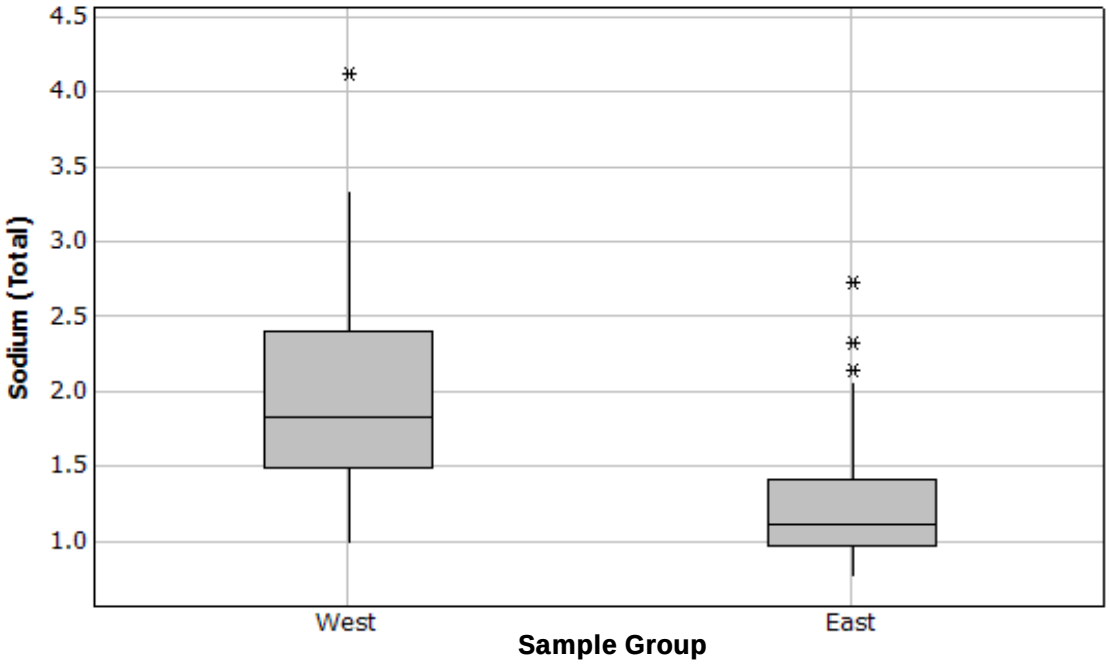
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (West Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

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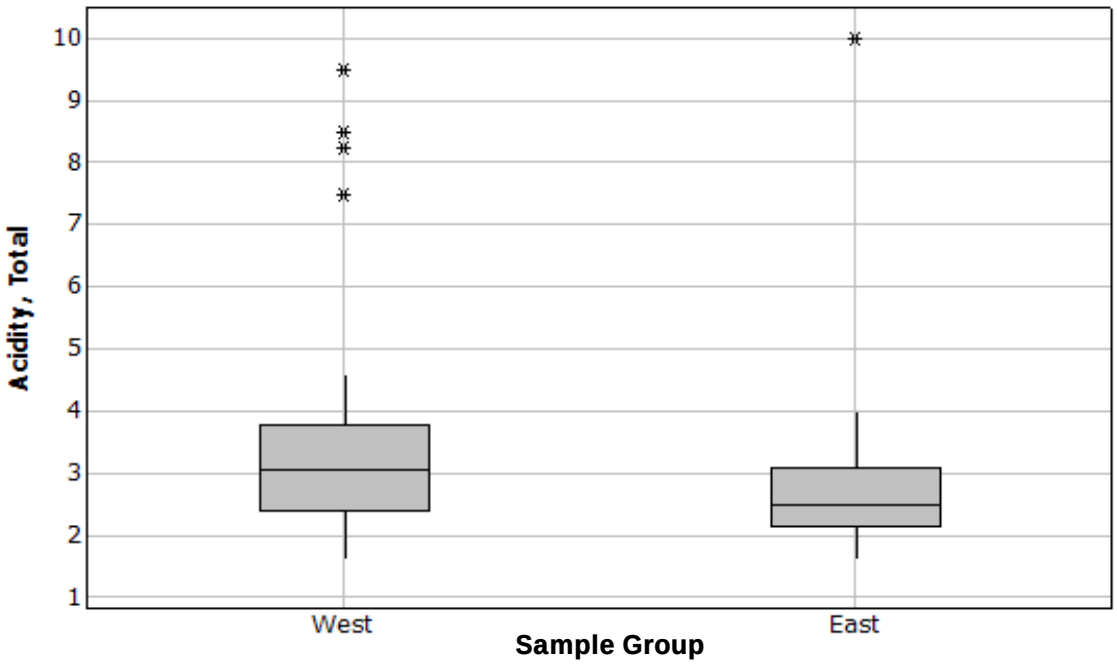

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

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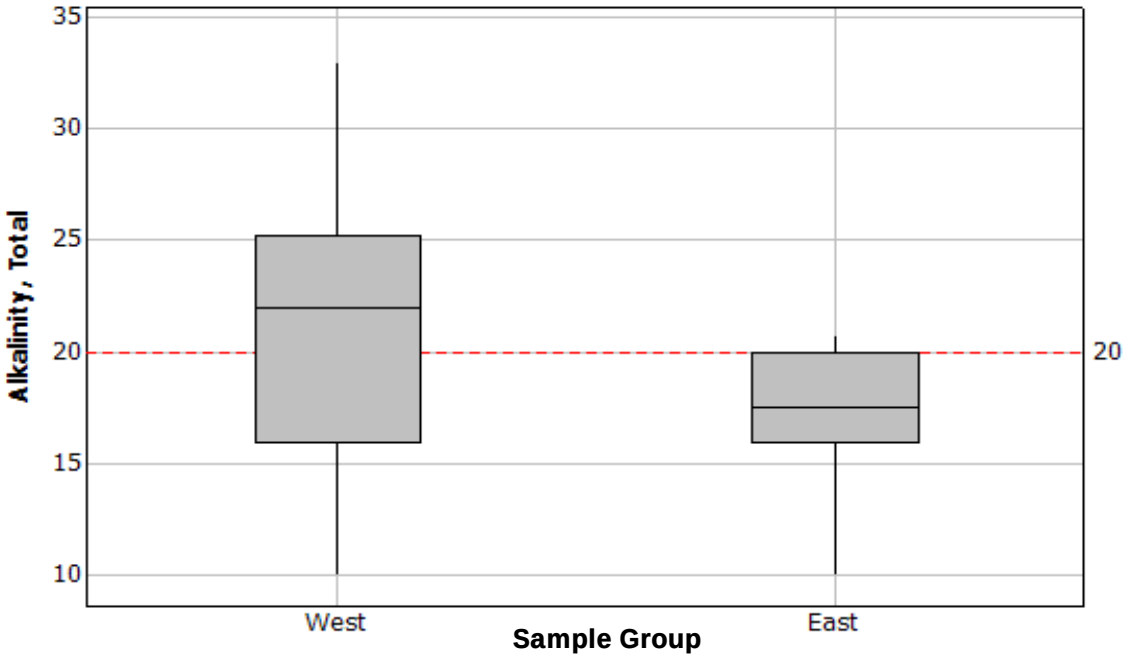

Most Stringent ADEC Water Quality Criterion >= 20

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

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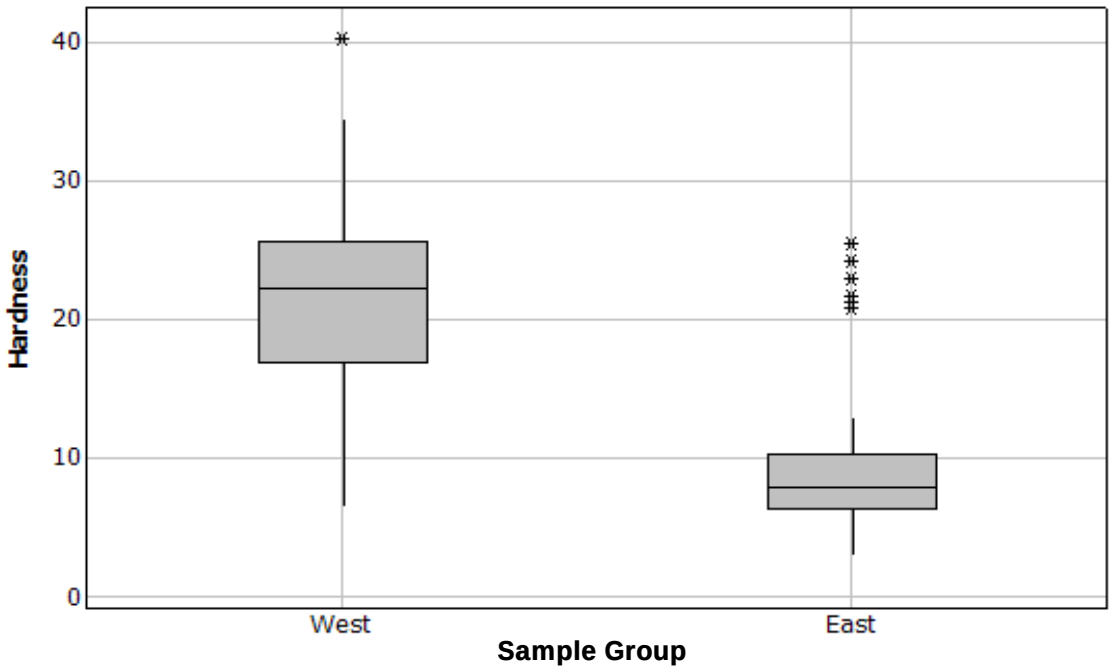


Notes:

Analyte concentrations are in milligrams per liter (mg/L).

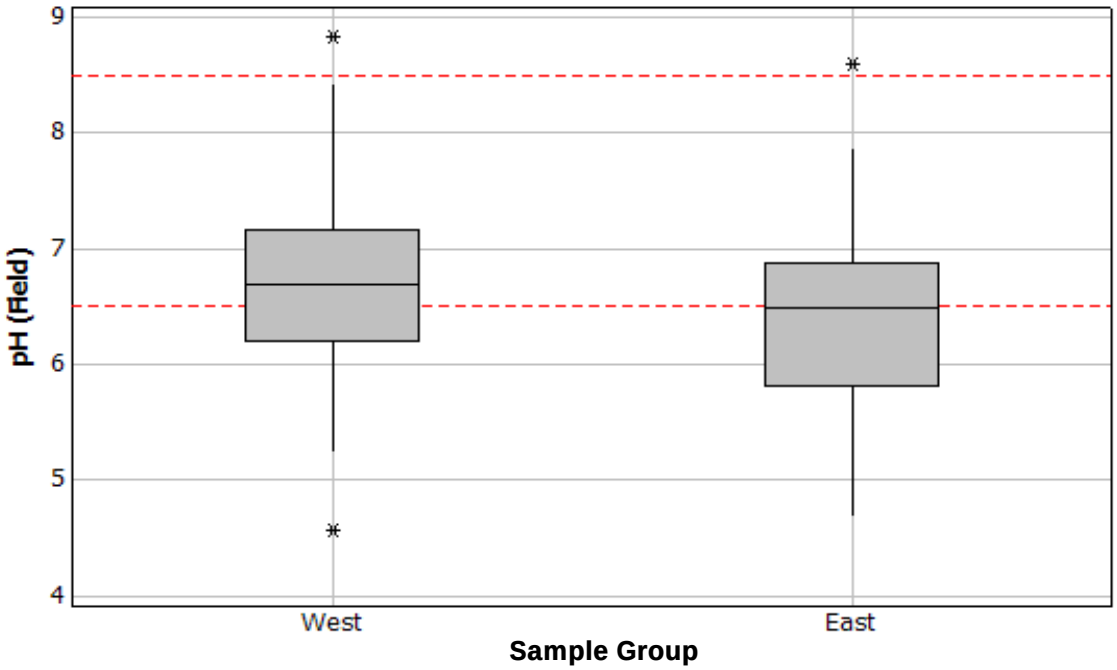
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criteria 6.5 to 8.5 (pH must be within this range)

Notes:

Values are in standard pH units.

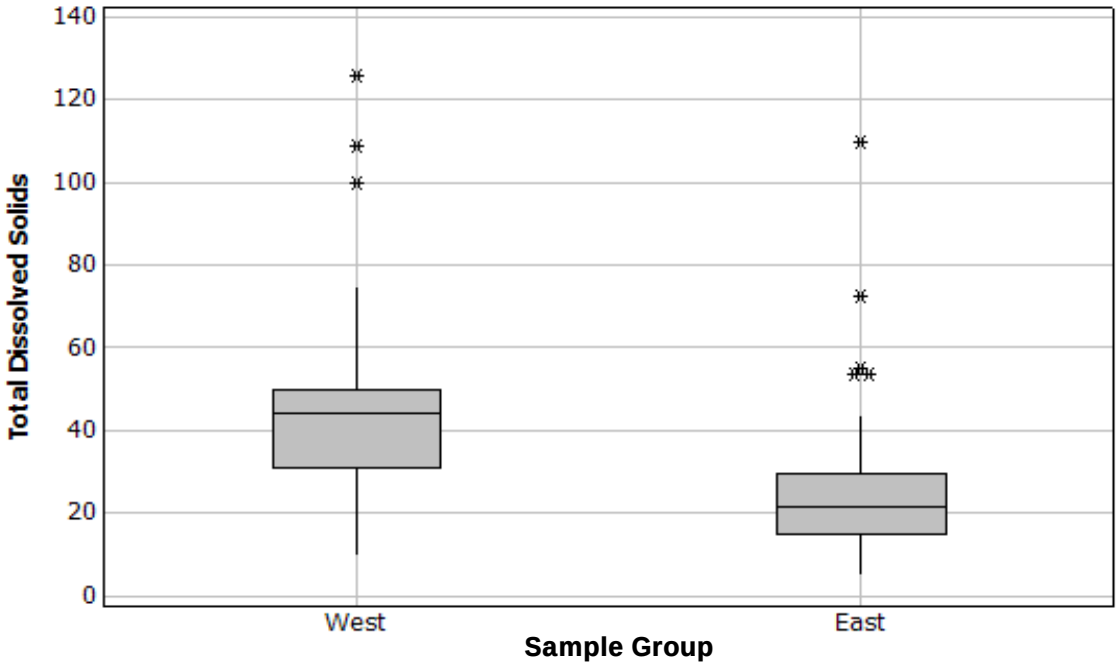
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Most Stringent ADEC Water Quality Criterion 500

Notes:

Analyte concentrations are in milligrams per liter (mg/L).

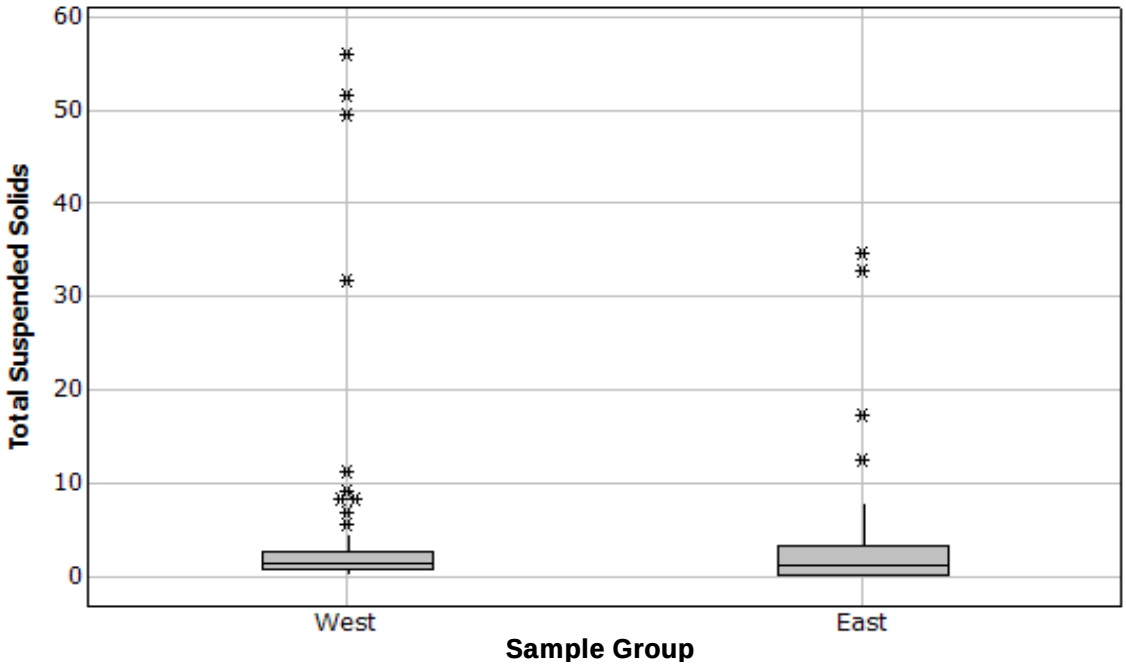
Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.



Notes:

Analyte concentrations are in milligrams per liter (mg/L).

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

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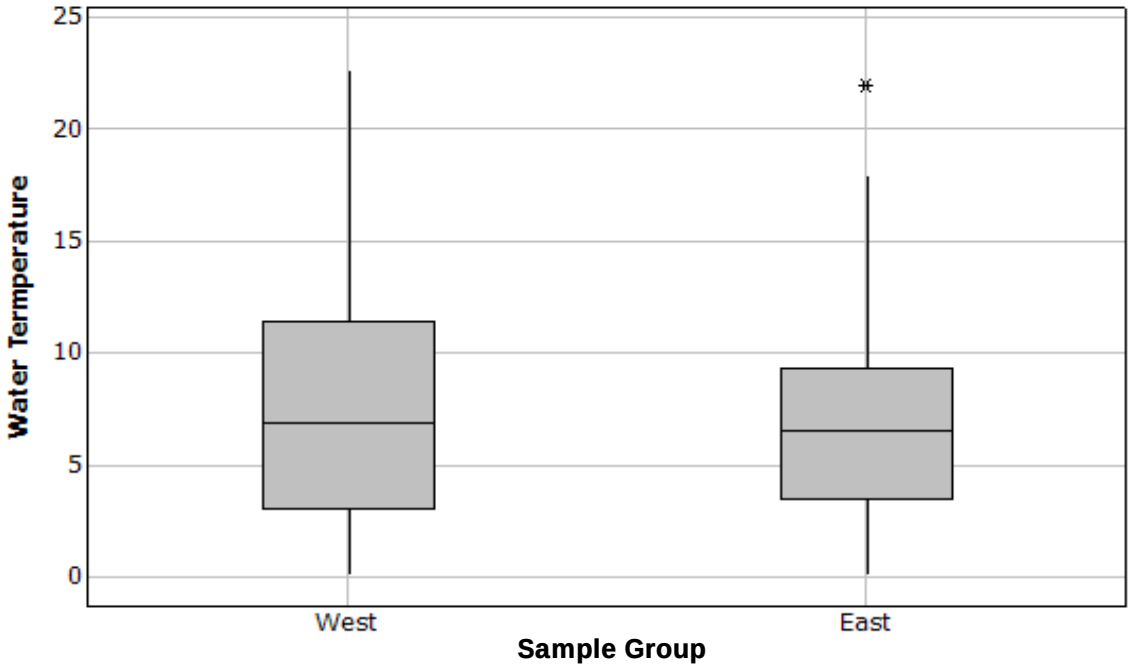


Notes:

Analyte concentrations are in degrees Celsius.

Only detected values are shown.

West = Bristol Bay Western Sample Group (Western Sample Stations = GS-11A, GS-12A, GS, 14A, GS-14B, GS-17A, GS-18A, GS-20, GS-20A, and Newhalen River [NHRIV]).

East = Bristol Bay Eastern Sample Group (Eastern Sample Stations = GS-3A, GS-4A, GS-4B, GS-6A, GS-7A, GS-8A, and GS-23).

The length of the box represents the interquartile range of the analyte and contains 50 percent of the results. The line inside the box represents the median value, and the smallest and largest results are represented by the length of the lines protruding from the box ends. Outliers are represented by asterisks.

The red dashed line on each figure, and the criterion noted below each figure, represent the most stringent Drinking Water Standards (DWS) or Chronic Aquatic Life Criteria (CALC) from ADEC (2008). If a criterion was outside the scale of the plot, then no line is shown. If neither a line nor a criterion is shown, then no criterion was available. Hardness based CALC criteria are preliminary estimates.

9.4. Drinking Water Characterization – Transportation Corridor

9.4.1. Introduction

This section presents the findings of the 2004 and 2005 drinking water characterization study for community wells within the transportation corridor study area in the Bristol Bay drainage

The objective of the drinking water quality study was to characterize groundwater used for drinking water in the communities within the Bristol Bay drainages near the Pebble Project.

9.4.2. Study Area

The transportation-corridor, Bristol Bay drainages study area is generally bounded by the Newhalen River in the west, the northern shore of Iliamna Lake in the south, the outlet of Lake Clark and the base of Roadhouse Mountain in the north, and the drainage divide between Bristol Bay and Cook Inlet drainages in the east. The study area is more specifically defined by the location of the sampling stations as depicted in Figure 9.0-2. For this study, the study area was extended to include the communities of Iliamna, Newhalen and Nondalton. The community of Pedro Bay, located within the corridor, is also included in this study. Most of the population in the study area resides in these communities, with a few isolated, outlying, individual residences, most of which are occupied on a seasonal basis only.

9.4.3. Scope of Work

One drinking water well from each community identified in the study area was selected for sampling (Figure 9.4-1). The wells sampled include the following:

- The Nondalton City Well.
- Newhalen Public Well #2.
- Iliamna Weathered Inn Well.
- The Pedro Bay Tribal Council Well.

Wells were sampled in July and October 2004, and in March, July, and October 2005. Bristol Environmental and Engineering Services Corporation conducted the work.

9.4.4. Methods

9.4.4.1. Site Selection

In each community, a representative well was identified through discussions with local village corporations and governments. In each case, a well with high usage in the community was chosen as the representative well for the community.

In Nondalton approximately 70 residences are connected to the piped water and sewer system. Two wells supply water for Nondalton and are both piped to the well house. In 2004 and 2005, Well #1 was not in service, and therefore water samples for this study were collected from Well #2. Nondalton Well # 2,

located on the shore of Six Mile Lake, was installed in 1978 to a depth of 32 feet below ground surface. Based on the location of the well, it is likely groundwater is under the influence of surface water. Due to the well producing arsenic concentrations in the drinking water above U.S. Environmental Protection Agency (EPA) maximum contaminant levels of 10 µg/L, the City of Nondalton is planning on building a new water treatment plant in 2007.

Drinking water in Newhalen is derived from a well and is treated at the washeteria. A piped water system serves 40 homes in the community. For this study, Newhalen well #2 was sampled in 2004 and 2005. The well was installed in 1942 to a depth of 405 feet below ground surface.

Iliamna residents are using individual water wells and septic systems. There is no well installation or construction information for the Iliamna Weathered Inn well that was sampled for this study.

Most of the occupied homes in Pedro Bay use individual wells and septic systems. In Pedro Bay water is also derived from Iliamna Lake and from the washeteria. For this study, the Pedro Bay Tribal Council well was sampled in 2004 and 2005. The well was drilled in 1990 to a depth of 70 feet. The well was extended in 2002 to a depth of 147 feet.

9.4.4.2. Drinking Water Sampling Procedures

The consultant conducted field sampling in accordance with Chapter 6 of the consolidated study program for Pebble Project (a copy of which is provided in Appendix E of this environmental baseline document [EBD]). Quality Assurance/Quality Control (QA/QC) protocols followed procedures outlined in the Quality Assurance Project Plan in Appendix G.

Field personnel recorded drinking water parameters in the field, including temperature, pH, dissolved oxygen, specific conductance, turbidity, and oxidation-reduction potential. In 2004, field personnel measured field parameters using a Horiba Model U-10 Water Quality Checker. In 2005, field personnel measured field parameters using an YSI 556 Multi-Probe System. Field personnel recorded field parameters in the logbook or on data sheets.

For each drinking water sample, water was poured directly into the sample containers from the tap after running the water for several minutes. For the Nondalton and Newhalen wells, the water was sampled from the wellhead, prior to chlorination. Water from the Iliamna and Pedro Bay wells is not treated; water samples were collected from the tap at these locations.

9.4.4.3. Analysis

Only primary sample data were used for analyses in this EBD. Duplicate and triplicate sample data were only used for evaluation of precision. Only sample locations from which analytical data were collected were included in the evaluation. Both field and laboratory data were available for pH and specific conductivity; but only field pH and specific conductivity data were incorporated into the quantitative evaluation because these measurements are more representative of field conditions than laboratory pH data.

General statistics were compiled for each dataset and included the following parameters:

- Minimum and maximum detected concentrations.

- Sample-specific minimum and maximum method detection limits (MDLs) and method reporting limits (MRLs).
- Number of results detected.
- Number of samples analyzed.
- Frequency of detection.
- Arithmetic average and median concentrations.
- Standard deviations and coefficients of variation.

Non-detect results were included for statistical summaries as one-half the MDL, and non-detect results that were qualified as estimated were included as one-half the MRL. For all other statistical analyses, only detected concentrations were included to avoid skewing the datasets based on multiple non-detect values. Outliers are presented in Appendix 9.4A1.

The summary statistics are listed on the tables in Appendix 9.4A2. The Laboratory Data Table highlights values that are undetected, results that exceed the applicable water quality criteria, and results reported by the laboratory as being below the MRL, which is also referred to in the appendices as the practical quantitation limit (PQL). Only validated data were used in the summary tables and graphs. See Appendix A of the EBD, Analytical Data QA/QC, for a data quality assessment.

At the time of sample collection, the following field parameters were measured and recorded in 2004 and 2005:

- Dissolved oxygen.
- pH.
- Specific conductivity.
- Water temperature.
- Stream discharge.

In 2006 and 2007, the same set of field parameters were measured, except for stream discharge.

9.4.5. Results and Discussion

This section discusses and summarizes the field parameters and qualified laboratory analytical results from drinking water well samples collected in July 2004 through October 2005 along the transportation-corridor, Bristol Bay drainages study area.

Photographs of the drinking water well sample locations are provided in the photograph section at the end of this chapter. The data and summary statistics and field parameter data are provided in Appendices 9.4A and 9.4B. Based on the samples collected for this study, the Iliamna Weathered Inn, Nondalton, and Pedro Bay wells would be classified as calcium-bicarbonate type water and the Newhalen well would be classified as sodium-bicarbonate type water. The mean total dissolved solids ranged from 57 to 100 milligrams per liter (mg/L) in all the wells and was below the maximum drinking water standard (DWS) of 500 mg/L. Analytical results were compared to criteria from the primary and secondary maximum contaminant levels for drinking water in the ADEC Alaska Water Quality Criteria Manual (ADEC,

2003b). Arsenic and field pH were the only parameters that are reported as being over or outside the DWS.

Arsenic is a naturally occurring chemical element in rock and soil, and is often present in trace amounts in groundwater. Concentrations of arsenic in groundwater are generally associated with volcanic deposits and gold-mining areas, and arsenic is a major constituent of iron-sulfide and copper-sulfide minerals (Welch et al., 2000). High concentrations of arsenic in groundwater are largely the result of these minerals dissolving naturally over time from weathered rock and soils.

The Newhalen well had one total arsenic value reported as an exceedance from the sample collected in October 2005. The ADEC DWS for total arsenic is 10 micrograms per liter (µg/L). The total arsenic values from the Newhalen well ranged from 6.17 to 13.0 µg/L. A 2003 public water system summary for a Newhalen well reported arsenic concentrations from two samples collected in 2002 and 2003 to be 8.0 and 4.5 µg/L, respectively.

Exceedences were reported for total arsenic in four out of the five sampling events from the Nondalton well. Total arsenic ranged from 8.8 to 14.2 µg/L from the Nondalton well.

The Pedro Bay well had one reported total arsenic value exceeding the DWS from the July 2005 sampling event. The total arsenic values from the Pedro Bay well ranged from 9.35 to 10.5 µg/L. No water quality information was available from any previous public water supply summary reports for the Pedro Bay well.

The only other parameter reported outside the DWS is field pH. The ADEC DWS for pH is 6.0 to 8.5 (Appendix 9.4B). The field pH in all the wells ranged from 5.1 to 9.5. The Newhalen well consistently tended to have the highest pH values ranging from 8 to 9.5, whereas Pedro Bay's field pH ranged from 5.7 to 8.9, the Nondalton pH values were all close to 7, and the field pH for the Iliamna Weathered Inn well ranged from 5.1 to 8.9.

Aluminum, boron, copper, iron, and zinc were reported with the highest concentrations of all the trace elements that were analyzed by the laboratory. There are no DWS associated with these trace elements. The Newhalen well had the highest concentrations of aluminum, boron, copper, and iron. The mean highest total and dissolved zinc concentrations were reported in the Iliamna Weathered Inn well at 9 µg/L. In all the wells the mean total aluminum concentrations ranged from 9 to 127 µg/L, and the mean dissolved aluminum concentrations ranged from 6 to 19µg/L; the mean total copper concentrations ranged from 1 to 65 µg/L, and mean dissolved copper concentrations ranged from 1 to 2 µg/L; the mean total boron concentrations ranged from 3 to 26 µg/L, and the mean dissolved boron concentrations ranged from 2 to 30 µg/L; the mean total iron concentration ranged from 5 to 102 µg/L, and the mean dissolved iron concentrations ranged from 6 to 17 µg/L; and the mean total zinc concentrations ranged from 5 to 9 µg/L, and the mean dissolved zinc concentrations ranged from 2 to 9 µg/L.

9.4.6. Summary

In 2004 and 2005, drinking water quality samples were collected from four community wells within the transportation-corridor, Bristol Bay Drainages study area for the Pebble Project as part of the environmental baseline study. One well in each of the four communities was sampled as a representative well for the community.

Field personnel analyzed drinking water well samples for a set of parameters in the field and sent samples to an ADEC-approved laboratory for analyses for a suite of inorganic compounds and metals. All field parameter results are presented in Appendix 9.4B, and all laboratory results are presented in the Laboratory Data Table located in Appendix 9.4A.

Field and laboratory analytical results were compared to DWS as listed in the *Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances* (ADEC 2003a). A comparison of the results of the laboratory analyses to water quality criteria established by the ADEC shows DWS exceedences for total arsenic from the Newhalen, Nondalton, and Pedro Bay wells. There were no exceedences reported for any of the parameters analyzed from the Iliamna Weathered Inn well, except for field pH. Newhalen and Pedro Bay wells had field pH outside the range of the ADEC DWS for pH.

9.4.7. References

Alaska Department of Environmental Conservation (ADEC). 2003a. Alaska Water Quality Criteria Manual for Toxic and other Deleterious Organic and Inorganic Substances.

———. 2003b. Water Quality Standards. Title 18, Alaska Administrative Code, Chapter 70.

Peratrovich, Nottingham, and Drage (PND). 2004. Draft Iliamna Regional Transportation Corridor Analysis. Prepared for the Alaska Department of Transportation and Public Facilities.

Welch, A.H., Westjohn D.B., Helsel, D.R., and Wanty, R.B. 2000. Arsenic in ground water of the United States-occurrence and geochemistry. Ground Water v.38 no.4, p.589-604.

TABLES

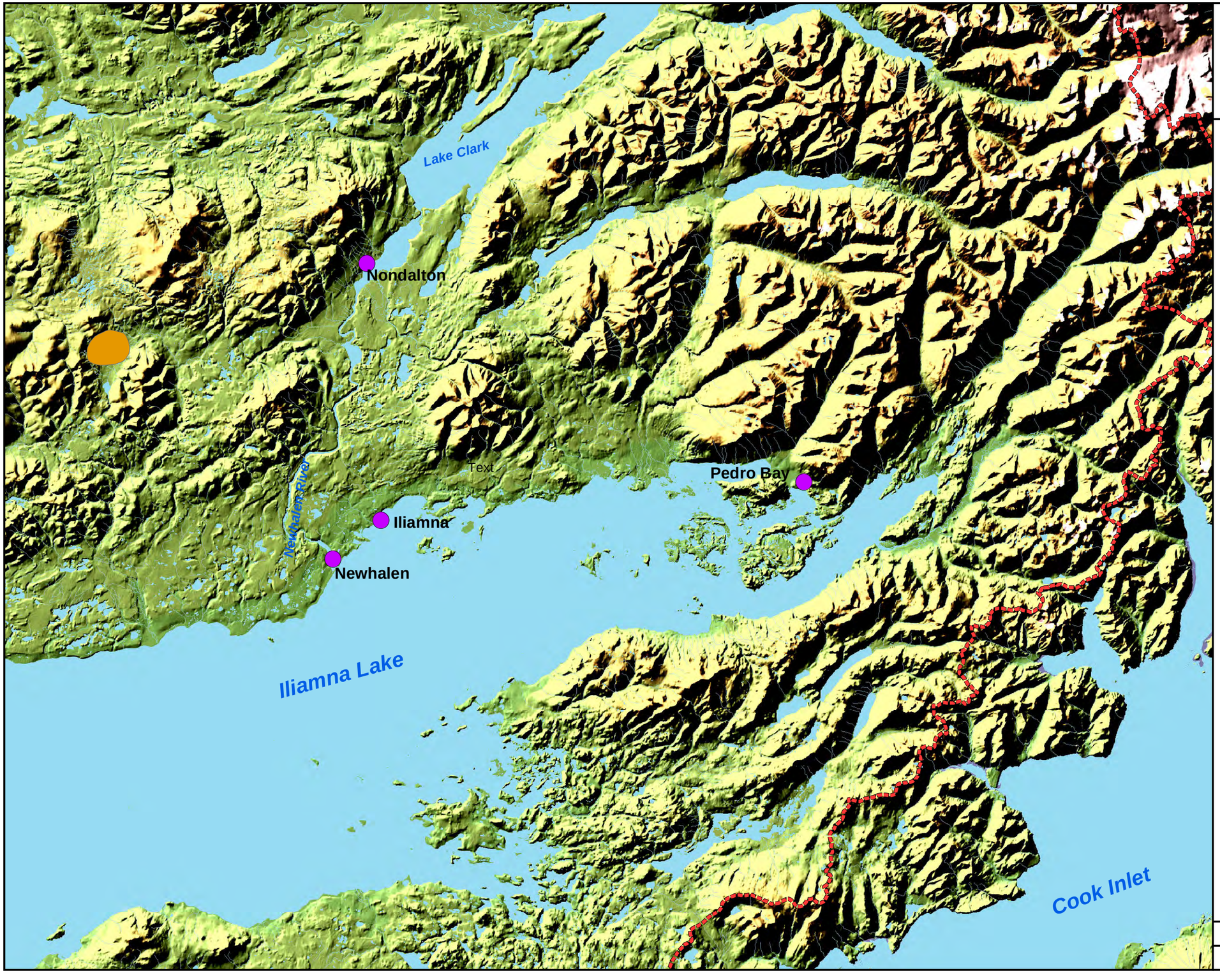
TABLE 9.4-1
Drinking Water Quality Analytical Parameters and Methods, Transportation-corridor, Bristol Bay Drainages Study Area, (2004-2005)

Parameter	Methods
Inorganics	
pH	E150.1
Conductivity	SM 20 2510B
Acidity	E305.2
Alkalinity	SM20 2320B
Ammonia as Nitrogen	SM20 4500NH3-G
Chloride	E300.0
Cyanide-total	SM20 4500CN-E
Cyanide-weak acid dissociable	SM20 4500CN-I
Fluoride	E300.0
Hardness	SM20 2340B (Calculated from calcium and magnesium)
Nitrate+Nitrite	E300.0
Phosphorus-total	E365.2 or E365.3
Sulfate	E300.0
Total Dissolved Solids	E160.1 or SM20 2540C
Total Suspended Solids	E160.2
Metals	
Mercury	E245.1
Metals [a]	E200.7/200.8

Note:

a. Aluminum, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, selenium, silicon (dissolved only), silver, sodium, thallium, tin, vanadium, and zinc. Water samples were analyzed for total and dissolved metals.

FIGURES

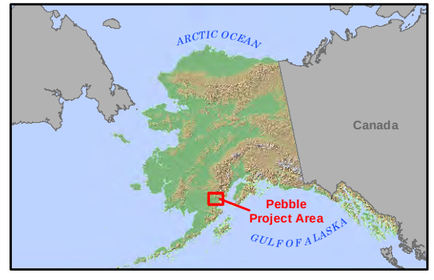


THE pebble PARTNERSHIP

Figure 9.4-1
Drinking Water Quality Sample Locations
Transportation-Corridor, Bristol Bay
Drainages Study Area 2004-2008

Legend

- Drinking Water Sample Location
- Pebble Deposit Location
- Bristol Bay/Cook Inlet Drainage Boundary



Miles
0 3 6 9 12

Kilometers
0 4 8 12 16

Scale 1:363,000

N

Alaska State Plane Zone 5 (units US feet)
1983 North American Datum

File: BEESC_TC_WG_R6.mxd	**Date: July 15, 2011**
Version: 6	**Author: BEESC-ME; PLP-JG**

PHOTOGRAPHS

PHOTO 9.4-1: Weathered Inn in Iliamna. Well is sampled from a bathroom tap on the first floor. October 2006.

PHOTO 9.4-2: Weathered Inn in Iliamna. First floor restroom where water quality samples were collected. October 2006.

PHOTO 9.4-3: Pedro Bay Council Building. Well is sampled from a tap on the front porch. October 2005.

PHOTO 9.4-4: Pedro Bay well house, located behind the Council Building. October 2005.

PHOTO 9.4-5: Nondalton well, located adjacent to Six Mile Lake. July 2005.

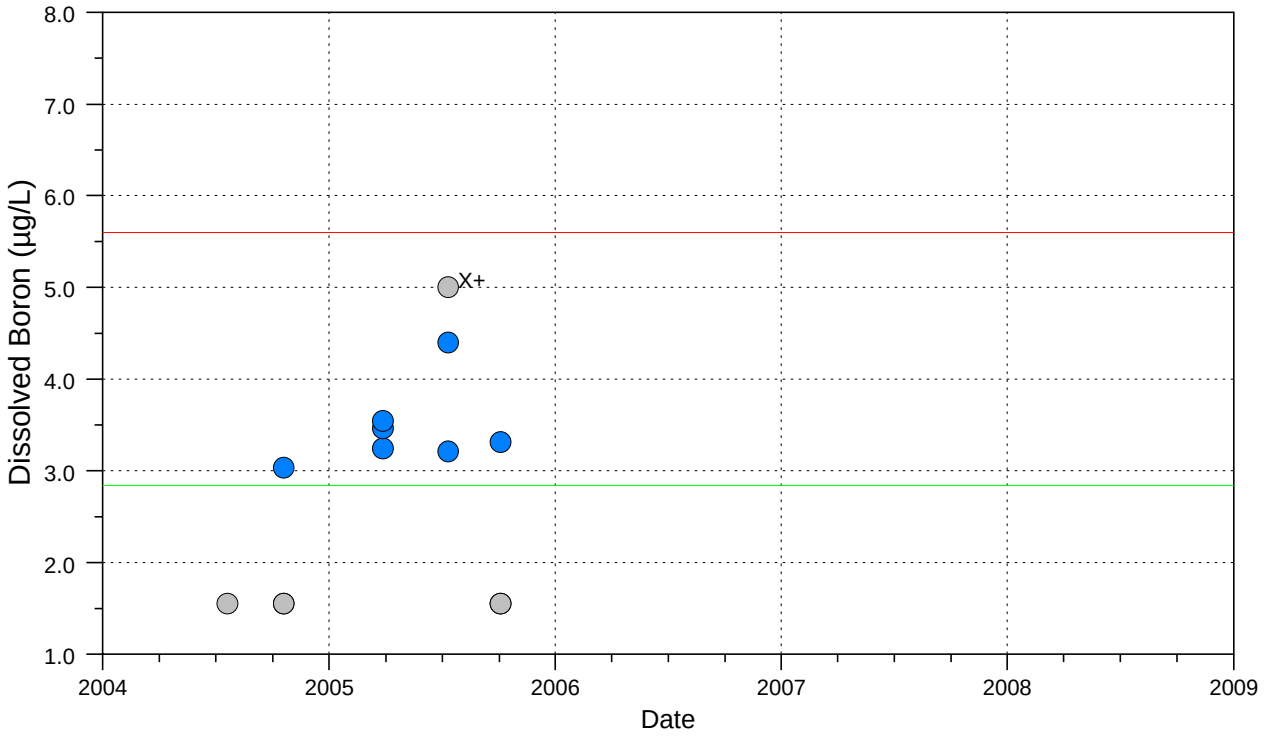
PHOTO 9.4-6: Inside the Nondalton well treatment building. Samples were collected before any chemicals were added to the water. July 2005.

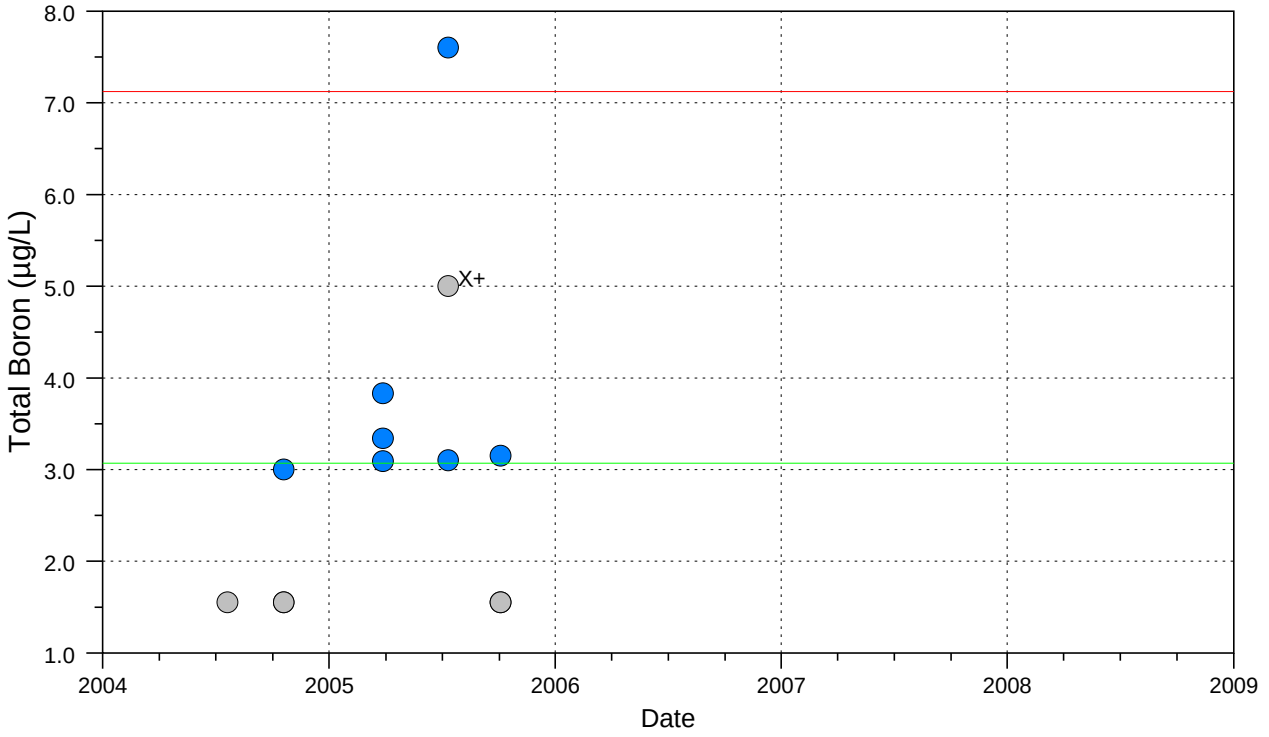
PHOTO 9.4-7: Inside the Newhalen water treatment building. Samples were collected from Well #2 before any chemicals were added to the water. July 2004.

APPENDICES

APPENDIX 9.4A

Laboratory Data Tables and Outliers Analysis
Drinking Water Wells
Transportation-corridor, Bristol Bay Drainages Study Area
2004-2005





Legend

- Analytical Result
- Not Detected
- Upper 98% Confidence Level
- Mean
- Lower 98% Confidence Level

X+ outlier, very high value

Notes:
1) Non detect (ND) values are treated as values in the data analysis at 0.5 x MDL (Method Detection Limit) for unflagged data or 0.5 x MRL (Method Reporting Limit) in the case of U-flagged data (Data below the MRL).
2) Some non detect values were marked as outliers because they were higher than other actual data values, or because they were much higher than other non-detect values, and therefore would have skewed the data analysis.
3) ug/L: micrograms per liter

THE pebble PARTNERSHIP

Appendix 9.4A
Control Plots of Outliers
for Dissolved and Total Constituents,
Iliamna Weathered Inn, 2004-2008

File: 7126	Date: Jul 15, 2011
Version: 1	Author: SWS-ca

Analytes Total/Dissolved	Hardness	Field pH	Field Temperature	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Total Phosphorus	Chloride	Fluoride	Sulfate	Total Cyanide[5]	WAD Cyanide	Total Ammonia[3]
Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location: Iliamna Weathered Inn															
Sample Date															
07/21/04	32.8	8.86	12.1	77.5	**0.25**	**1.57**	44	**0.67**	**0.0155**	1.16	**0.071**	2.16	**0.00125**	**0.00125**	**0.0155**
10/20/04	34.3	5.17	5.7	61.3	**0.2**	**1.57**	45	**0.31**	**0.0155**	1.27	**0.05**	2.05	**0.0028**	**0.00125**	**0.0155**
03/29/05	39.3	7.83	8.83	65	**0.3**	**0.785**	45	0.25	0.0986	1.12	**0.048**	1.95	**0.00125**	**0.00125**	**0.0155**
07/12/05	39.3	8.90	10.36	57.5	**0.2**	**0.785**	46	0.335	0.107	1.06	**0.05**	1.75	**0.00125**	**0.00125**	**0.0155**
10/05/05	39.2	7	7.89	51.3	1	**0.785**	45	0.308	0.03	1.07	**0.05**	1.98	**0.00125**	**0.00125**	**0.05**
Mean	37.0	7.55	8.98	62.5	0.4	1.10	45	0.375	0.0533	1.14	0.054	1.98	0.00156	0.00125	0.0224
St. Deviation	3.2	1.55	2.43	9.8	0.3	0.43	0.7	0.168	0.0457	0.09	0.010	0.15	0.00069	0.00000	0.0154
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	32.8	5.17	5.7	51.3	0.2	0.79	44	0.25	0.0155	1.06	0.048	1.75	0.00125	0.00125	0.0155
Maximum	39.3	8.90	12.1	77.5	1	1.57	46	0.67	0.107	1.27	0.071	2.16	0.0028	0.00125	0.05
Lowest fifth percentile(1)	33.1	5.54	6.14	52.5	0.20	0.79	44	0.262	0.0155	1.06	0.048	1.79	0.00125	0.00125	0.016
# of values undetected	0	0		0	1	5	0	1	2	0	3	0	4	5	5
# of values between MDL and PQL	0	0		0	3	0	0	1	0	0	2	0	1	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	>6.5 and <8.5	NA	NA	NA	NA	<20	NA	NA	230	NA	NA	NA	0.0052	7.04
Drinking Water Standards (DWS)[2]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	250	4	250	NA	0.2	NA
% of CALC exceedences	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
% of DWS exceedences	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
Location: Newhalen															
Sample Date															
07/21/04	8.28	8.83	11	76.3	1.29	**1.57**	48.5		**0.0155**	2.63	0.296	5.95	**0.00125**	**0.00125**	**0.0155**
10/20/04	12	8.76	5.6	92.5	0.7	**1.57**	47	**0.38**	**0.0155**	3.07	0.136	5.12	0.0059	**0.00125**	**0.0155**
03/29/05	9.37	9.51	5.78	77.5	**0.075**	**0.785**	49	0.14	0.0998	2.54	0.29	6.02	0.0066	**0.003**	**0.05**
07/16/05	9.37	9.39	7.54	77.5	**0.4**	**0.785**	50	0.189	0.108	2.49	0.245	5.43	**0.00125**	**0.00125**	**0.0155**
10/08/05	7.77	7.3	7.46	63.8	**0.3**	**0.785**	51	0.206	0.023	2.05	0.282	5.65	**0.00125**	**0.0038**	**0.0155**
Mean	9.36	8.76	7.48	77.52	0.55	1.10	49.10	0.23	0.05	2.56	0.25	5.63	0.00	0.00	0.02
St. Deviation	1.63	0.88	2.17	10.18	0.47	0.43	1.52	0.10	0.05	0.36	0.07	0.37	0.00	0.00	0.02
# of values	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5
Minimum	7.77	7.30	5.60	63.80	0.08	0.79	47.00	0.14	0.02	2.05	0.14	5.12	0.00	0.00	0.02
Maximum	12	9.51	11.00	92.50	1.29	1.57	51.00	0.38	0.11	3.07	0.30	6.02	0.01	0.00	0.05
Lowest fifth percentile(1)	7.87	7.59	5.64	66.30	0.12	0.79	47.30	0.15	0.02	2.14	0.16	5.18	0.00	0.00	0.02
# of values undetected	0	0		0	2	4	0	0	2	0	0	0	3	3	5
# of values between MDL and PQL	0	0		0	1	0	0	1	0	0	0	0	0	2	0
Chronic Aquatic Life Criteria (CALC)[2]	NA	>6.5 and <8.5	NA	NA	NA	NA	<20	NA	NA	230	NA	NA	NA	0.0052	4.01
Drinking Water Standards (DWS)[3]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	250	4	250	NA	0.2	NA
% of CALC exceedences	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Analytes	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt	
Total/Dissolved	Total	Dissol	Total	Dissolve	Total	Dissolv	Total	Dissolv	Total	Dissolved	Total	Dissolved	Total	Dissol	Total	Dissolved	Total	Dissolv	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location: Iliamna Weathered Inn																						
Sample Date																						
07/21/04	**12.5**	**12.5**	**0.0385**	**0.1**	2.71	2.62	**0.107**	**0.256**	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.05**	**0.05**	11300	11300	0.398	0.496	**0.0155**	**0.0155**
10/20/04	**12.5**	**12.5**	**0.0385**	**0.0385**	2.47	2.56	**0.15**	**0.15**	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	12000	12200	**0.05**	**0.139**	**0.0155**	**0.05**
03/29/05	4.19	4.65	0.0679	0.0581	2.99	2.88	0.143	0.147	**0.001495**	**0.0015**	**0.003835**	**0.00384**	3.34	3.46	**0.00310**	**0.00310**	13400	11800	0.46	0.327	**0.0143**	**0.0162**
07/12/05	5.76	6.32	0.0836	0.0798	2.82	2.95	**0.1**	**0.1**	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**7.6**		**0.00775**	**0.025**	13400	12900	0.705	0.685	0.038	0.0282
10/05/05	7.9	6.16	0.053	0.0598	2.64	2.62	**0.115**	**0.138**	**0.0075**	**0.0075**	**0.005**	**0.005**	**1.55**	**1.55**	**0.00775**	**0.00775**	13500	13500	0.807	0.91	0.0316	0.0316
Mean	8.6	8.43	0.0563	0.0672	2.73	2.73	0.12	0.16	0.0063	0.0063	0.30	0.30	3.12	2.03	0.0168	0.0203	12720	12340	0.484	0.511	0.0230	0.0283
St. Deviation	3.8	3.78	0.0195	0.0234	0.19	0.18	0.02	0.06	0.0027	0.0027	0.41	0.41	2.62	0.95	0.0191	0.0186	1008	873	0.296	0.301	0.0110	0.0141
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5
Minimum	4.19	4.65	0.0385	0.0385	2.47	2.56	0.1	0.1	0.001495	0.0015	0.00155	0.00155	1.55	1.55	0.003095	0.003095	11300	11300	0.050	0.139	0.0143	0.0155
Maximum	12.5	12.5	0.0836	0.1	2.99	2.95	0.15	0.256	0.0075	0.0075	0.75	0.75	7.6	3.46	0.05	0.05	13500	13500	0.807	0.91	0.038	0.05
Lowest fifth percentile(1)	4.5	4.95	0.0385	0.0424	2.50	2.57	0.10	0.11	0.0027	0.0027	0.0020	0.0020	1.55	1.55	0.0040	0.0040	11440	11400	0.120	0.177	0.0145	0.0156
# of values undetected	2	2	2	2	0	0	2	2	5	5	5	5	3	3	5	5	0	0	1	0	2	2
# of values between MDL and PQL	0	0	0	0	0	0	2	2	0	0	0	0	1	1	0	0	0	0	0	1	1	1
Chronic Aquatic Life Criteria (CALC)[1,4]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.119	0.114	NA	NA	10.98	9.44	NA	NA
Drinking Water Standards (DWS)[2]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Location: Newhalen																						
Sample Date																						
07/21/04	80.1	**12.5**	**0.1**		7.95	7.23	1.2	0.322	**0.0075**	**0.0075**	**0.75**	**0.75**	31.4	24.3	**0.05**	**0.05**	3100		**0.186**	0.312	**0.0361**	**0.0155**
10/20/04	176	29.4	**0.0385**	**0.0385**	6.17	6.75	2.43	0.706	**0.0075**	**0.0075**	**0.75**	**0.75**	21.9	22.1	**0.0155**	**0.0155**	4260	4300	**0.05**	**0.05**	**0.05**	**0.0155**
03/29/05	154	13.2	0.0641	0.0574	9.42	9.03	2.35	0.282	**0.00589**	**0.0015**	**0.003835**	**0.00384**	35.3	38.8	**0.00310**	**0.00310**	3520	3180	**0.152**	**0.036**	0.059	0.04
07/16/05	220	15	0.0514	0.0368	9.55	9.48	2.36	0.348	**0.0075**	**0.0075**	**0.00155**	**0.00155**	37.1	33.9	**0.00775**	**0.00775**	3490	3340	0.357	0.368	0.0468	**0.00155**
10/08/05	151	24.4	0.0334	0.041	8.88	8.86	1.86	0.35	**0.0075**	**0.0075**	**0.00155**	**0.00155**	34.2	34.3	**0.00775**	**0.00775**	2890	2870	**0.031**	**0.031**	0.0762	0.0272
Mean	156.22	18.90	0.06	0.04	8.39	8.27	2.04	0.40	0.01	0.01	0.30	0.30	31.98	30.68	0.02	0.02	3452	3423	0.16	0.16	0.05	0.02
St. Deviation	50.71	7.57	0.03	0.01	1.39	1.20	0.52	0.17	0.00	0.00	0.41	0.41	6.00	7.14	0.02	0.02	524	617	0.13	0.17	0.02	0.01
# of values	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5
Minimum	80.10	12.50	0.03	0.04	6.17	6.75	1.20	0.28	0.01	0.00	0.00	0.00	21.90	22.10	0.00	0.00	2890	2870	0.03	0.03	0.04	0.00
Maximum	220.00	29.40	0.10	0.06	9.55	9.48	2.43	0.71	0.01	0.01	0.75	0.75	37.10	38.80	0.05	0.05	4260	4300	0.36	0.37	0.08	0.04
Lowest fifth percentile(1)	94.28	12.64	0.03	0.04	6.53	6.85	1.33	0.29	0.01	0.00	0.00	0.00	23.80	22.54	0.00	0.00	2932	2917	0.03	0.03	0.04	0.00
# of values undetected	0	1	2	1	0	0	0	0	4	5	5	5	1	1	5	5	0	0	2	3	1	3
# of values between MDL and PQL	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0
Chronic Aquatic Life Criteria (CALC)[2]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.041	0.042	NA	NA	10.75	9.24	NA	NA
Drinking Water Standards (DWS)[3]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Analytes	Copper[4]		Iron		Lead[4]		Magnesium			Manganese		Mercury[4,7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
Total/Dissolved	Total	Dissolv	Total	Dissolv	Total	Dissolv	Total	Dissolved		Total	Dissolv	Total	Dissolved	Total	Dissolv	Total	Dissolv	Total	Dissol	Total	Dissolve	Dissolve	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location: Iliamna Weathered Inn																								
Sample Date																								
07/21/04	1.48	1.29	**3.1**	**6.29**	**0.05**	**0.143**	1140	1180		**0.25**	**0.25**	**0.0001**		**0.155**	**0.155**	0.295	0.427	189	198	**0.155**	**0.155**	7500	**0.0031**	**0.0031**
10/20/04	2.13	2.1	**3.1**	**3.1**	**0.14**	**0.162**	1060	1060		**0.25**	**0.25**	**0.031**	**0.031**	**0.327**	**0.337**	0.613	0.291	187	195	**0.155**	**0.155**	7150	**0.0031**	**0.0031**
03/29/05	3.8	2.5	11	**4**	0.163	0.117	1430	1320		0.943	0.72	**0.032**	**0.032**	0.334	0.259	0.221	**0.045**	200	215	**0.0544**	**0.0419**	6930	**0.00144**	**0.001435**
07/12/05	2.1	2.11	**3.1**		0.161	0.157	1410	1330		**0.1**	0.201	**0.031**	**0.031**	0.429	0.448	0.395		208	203	**0.0775**	**0.216**	7340	**0.0031**	**0.0031**
10/05/05	1.85		**3.1**	**11.2**	0.131	0.127	1300	1300		**0.149**	0.209	**0.031**	**0.031**	0.268	0.263	0.562	0.59	211	210	**0.193**	**0.0775**	7870	**0.0031**	
Mean	2.3	2.0	4.7	6.1	0.129	0.141	1268	1238		0.34	0.33	0.0249	0.0311	0.303	0.292	0.417	0.338	199	204	0.127	0.129	7358	0.0028	0.0027
St. Deviation	0.9	0.5	3.5	3.6	0.046	0.019	164	116		0.34	0.22	0.0139	0.0003	0.101	0.108	0.168	0.231	11	8	0.058	0.069	357	0.0007	0.0008
# of values	5	4	5	4	5	5	5	5		5	5	5	4	5	5	5	4	5	5	5	5	5	5	4
Minimum	1.480	1.290	3.1	3.1	0.05	0.117	1060	1060		0.1	0.201	0.0001	0.031	0.155	0.155	0.221	0.045	187	195	0.0544	0.0419	6930	0.00144	0.001435
Maximum	3.800	2.500	11	11.2	0.163	0.162	1430	1330		0.943	0.72	0.032	0.032	0.429	0.448	0.613	0.59	211	215	0.193	0.216	7870	0.0031	0.0031
Lowest fifth percentile(1)	1.6	1.4	3.1	3.2	0.066	0.119	1076	1084		0.11	0.203	0.006	0.031	0.178	0.176	0.236	0.082	187	196	0.06	0.05	6974	0.0018	0.0017
# of values undetected	0	0	4	2	1	0	0	0		3	2	5	4	1	1	0	1	0	0	3	3	0	5	4
# of values between MDL and PQL	0	0	0	2	1	2	0	0		1	0	0	0	1	1	0	0	0	0	2	2	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	3.627	3.482	1000	1000	0.779	0.741	NA	NA		NA	NA	0.77	0.77	NA	NA	20.47	20.41	NA	NA	5	4.6	NA	0.606	0.515
Drinking Water Standards (DWS)[2]	NA	NA	NA	NA	15	NA	NA	NA		50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	100%	100%	0%	0%	100%	100%	0%	0%	##	0%	0%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	100%	100%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	##	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Location: Newhalen																								
Sample Date																								
07/21/04	1.09	1.04	72.1	**3.1**	0.446	**0.193**	130			1.8	**0.25**	**0.0005**		**0.711**	**0.756**	0.234		95.4		**0.155**	**0.155**	6990	**0.0031**	**0.0031**
10/20/04	149	0.805	131	**3.1**	2.44	**0.151**	321	310		2.67	**0.25**	**0.1**	**0.1**	**0.676**	**0.716**	0.451	0.244	193	164	**0.155**	**0.155**	5880	0.128	**0.0031**
03/29/05	2.2	1.1	122	**4**	0.654	0.264	142	105		2.61	0.126	**0.032**	**0.032**	1.06	0.897	0.13		125	110	0.0982	0.0931	6120	0.0179	**0.005**
07/16/05	168	7.5	174	**10**	11.7	0.626	156	98.2		3.35	**0.1**	**0.031**	**0.031**	0.898	0.872	0.749	0.383	108	70.6	**0.191**	**0.0775**	6330	**0.0031**	**0.0031**
10/08/05	0.857	0.577	152	**19.2**	0.743	0.157	131	84.7		3.13	0.5	**0.031**	**0.031**	0.784	0.784	0.264		86.5	67.7	**0.0775**	**0.0775**	7020	**0.0031**	**0.0031**
Mean	64.23	2.20	130.22	7.88	3.20	0.28	176	149		2.71	0.25	0.04	0.05	0.83	0.81	0.37	0.31	122	103	0.14	0.11	6468	0.03	0.00
St. Deviation	86.32	2.97	38.20	6.95	4.82	0.20	82	107		0.60	0.16	0.04	0.03	0.16	0.08	0.24	0.10	42	45	0.05	0.04	516	0.05	0.00
# of values	5	5	5	5	5	5	5	4		5	5	5	4	5	5	5	2	5	4	5	5	5	5	5
Minimum	0.86	0.58	72.10	3.10	0.45	0.15	130	85		1.80	0.10	0.00	0.03	0.68	0.72	0.13	0.24	87	68	0.08	0.08	5880	0.00	0.00
Maximum	168.00	7.50	174.00	19.20	11.70	0.63	321	310		3.35	0.50	0.10	0.10	1.06	0.90	0.75	0.38	193	164	0.19	0.16	7020	0.13	0.01
Lowest fifth percentile(1)	0.90	0.62	82.08	3.10	0.49	0.15	130	87		1.96	0.11	0.01	0.03	0.68	0.72	0.15	0.25	88	68	0.08	0.08	5928	0.00	0.00
# of values undetected	0	0	0	4	0	0	0	0		0	3	5	4	0	0	0	0	0	0	3	4	0	3	5
# of values between MDL and PQL	0	0	1	1	0	2	0	0		0	0	0	0	2	2	0	0	0	0	1	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[2]	1.063	1.020	1000	1000	0.125	0.145	NA	NA		NA	NA	0.77	0.77	NA	NA	6.07	6.06	NA	NA	5	4.6	NA	0.051	0.044
Drinking Water Standards (DWS)[3]	NA	NA	NA	NA	15	NA	NA	NA		50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	##	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	##	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Analytes	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolv	Total	Dissolved	Total	Dissolve	Total	Dissol	Total	Dissolv
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location: Iliamna Weathered Inn										
Sample Date										
07/21/04	4600	4770	**0.0125**	**0.0125**	**0.155**	**0.155**	2.67	2.72	4.52	3.57
10/20/04	4660	4560	**0.0125**	**0.0125**	**0.155**	**0.155**	2.63	2.73	5.65	
03/29/05	5130	4910	**0.0021**	**0.0021**	**0.0302**	**0.0302**	2.88	2.61	11.7	8.53
07/12/05	5730	5320	**0.0031**	**0.0031**	**0.031**	**0.031**	2.76	2.83	18.4	18.9
10/05/05	5350	5380	**0.0031**	**0.0031**	**0.031**	**0.031**	2.95	2.98	5.11	6.06
Mean	5094	4988	0.0067	0.0067	0.080	0.080	2.78	2.77	9.08	9.27
St. Deviation	475	354	0.0053	0.0053	0.068	0.068	0.14	0.14	5.96	6.73
# of values	5	5	5	5	5	5	5	5	5	4
Minimum	4600	4560	0.0021	0.0021	0.0302	0.0302	2.63	2.61	4.52	3.57
Maximum	5730	5380	0.0125	0.0125	0.155	0.155	2.95	2.98	18.4	18.9
Lowest fifth percentile(1)	4612	4602	0.0023	0.0023	0.030	0.030	2.64	2.63	4.64	3.94
# of values undetected	0	0	5	5	5	5	0	0	0	0
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[1,4]	NA	NA	NA	NA	NA	NA	NA	NA	46.95	46.30
Drinking Water Standards (DWS)[2]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Location: Newhalen										
Sample Date										
07/21/04	23200	19900	**0.0125**	**0.0125**	**0.155**	**0.155**	2.29	2.48	**0.75**	**0.75**
10/20/04	20800	20700	**0.0125**	**0.0125**	**0.447**	**0.155**	2.23	2.2	6.35	5.19
03/29/05	20800	18700	**0.0021**	**0.0021**	**0.0302**	**0.0302**	2.9	2.48	1.68	1.24
07/16/05	25800	24600	**0.0031**	**0.0031**	0.71	**0.031**	3	2.72	20.1	14.3
10/08/05	20500	23700	**0.0031**	**0.0031**	**0.031**	**0.031**	2.64	2.38	**0.75**	
Mean	22220	21520	0.01	0.01	0.27	0.08	2.61	2.45	5.93	5.37
St. Deviation	2279	2524	0.01	0.01	0.30	0.07	0.35	0.19	8.26	6.28
# of values	5	5	5	5	5	5	5	5	5	4
Minimum	20500	18700	0.00	0.00	0.03	0.03	2.23	2.20	0.75	0.75
Maximum	25800	24600	0.01	0.01	0.71	0.16	3.00	2.72	20.10	14.30
Lowest fifth percentile(1)	20560	18940	0.00	0.00	0.03	0.03	2.24	2.24	0.75	0.82
# of values undetected	0	0	5	5	3	5	0	0	1	1
# of values between MDL and PQL	0	0	0	0	1	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[2]	NA	NA	NA	NA	NA	NA	NA	NA	13.90	13.71
Drinking Water Standards (DWS)[3]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Analytes Total/Dissolved	Hardness	Field pH	Field Temperature	Total Dissolved Solids	Total Suspended Solids	Acidity	Alkalinity	Nitrate + Nitrite	Total Phosphorus	Chloride	Fluoride	Sulfate	Total Cyanide[5]	WAD Cyanide	Total Ammonia[3]
Units	mg/L	pH Units	°C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Location: Nondalton															
Sample Date															
07/30/04	56.7			120	**0.4**	**1.57**	77.5	**0.33**	**0.0424**	1.39	0.236	8.46	**0.00125**	**0.00125**	**0.0155**
11/05/04	69.7	6.62	8.6	110	**0.075**	**1.57**	81.5	**0.49**	**0.06**	1.69	0.19	8.31	**0.0027**	**0.0025**	**0.0155**
03/28/05	62.5	7.7	8	104	**0.15**	**4.8**	77	0.3	0.106	1.39	0.197	9.26	**0.00125**	**0.00125**	0.297
07/11/05	76.1	7.93	9.57	103	**0.075**	**3.38**	80	0.297	0.108	1.28	0.15	7.7	**0.0025**	**0.0025**	**0.0155**
10/08/05	73.3	8	5.76	101	**0.075**	5	85.5	0.548	0.041	1.38	0.19	7.74	**0.00125**	**0.0034**	**0.0155**
Mean	67.66	7.56	7.98	108	0.2	3.26	80.3	0.393	0.071	1.43	0.193	8.29	0.00179	0.00218	0.0718
St. Deviation	7.97	0.64	1.62	8	0.1	1.67	3.4	0.118	0.033	0.15	0.031	0.64	0.00074	0.00093	0.1259
# of values	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	56.7	6.62	5.76	101.0	0.075	1.570	77	0.297	0.041	1.28	0.15	7.7	0.00125	0.00125	0.0155
Maximum	76.1	8.00	9.57	120	0.4	5.0	85.5	0.548	0.108	1.69	0.236	9.26	0.0027	0.0034	0.297
Lowest fifth percentile(1)	57.86	6.78	6.10	101	0.08	1.57	77.1	0.298	0.041	1.30	0.158	7.71	0.00125	0.00125	0.0155
# of values undetected	0	0		0	3	3	0	0	0	0	0	0	4	4	4
# of values between MDL and PQL	0	0		0	2	2	0	2	2	0	0	0	1	1	0
Chronic Aquatic Life Criteria (CALC)[2]	NA	>6.5 and <8.5	NA	NA	NA	NA	<20	NA	NA	230	NA	NA	NA	0.0052	6.32
Drinking Water Standards (DWS)[3]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	250	4	250	NA	0.2	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Location: Pedro Bay															
Sample Date															
07/22/04	33.3	6.18	8.2	75	1	**1.57**	36.5	**0.58**	**0.0155**	1.53	0.55	4.39	**0.00125**	**0.00125**	**0.0155**
10/16/04	30.6	6.6	6	63.8	0.7	**1.57**	36	**0.155**	**0.0155**	1.59	0.359	4.39	0.0061	**0.003**	**0.05**
04/02/05	32.2	7.4	8.08	55	**0.075**	**0.785**	37.5	0.4	0.122	1.5	0.496	4.47	**0.00125**	**0.00125**	**0.05**
07/13/05	39.3	8.97	10.49	57.5	0.5	**0.785**	37.5	0.391	0.106	1.37	0.444	4.12	**0.00125**	**0.00125**	**0.0155**
10/07/05	36.1	5.7	11.6	32	**0.075**	**0.785**	37.3	0.472	0.024	1.4	0.452	4.29	**0.00125**	**0.00125**	**0.0155**
Mean	34.30	6.97	8.87	56.7	0.5	1.10	37.0	0.400	0.0566	1.48	0.460	4.33	0.00222	0.00160	0.0293
St. Deviation	3.44	1.28	2.20	15.8	0.4	0.43	0.7	0.156	0.0528	0.09	0.071	0.13	0.00217	0.00078	0.0189
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	30.6	5.70	6	32.0	0.075	0.785	36	0.155	0.0155	1.37	0.359	4.12	0.00125	0.00125	0.0155
Maximum	39.3	8.97	11.6	75	1	1.57	37.5	0.58	0.122	1.59	0.55	4.47	0.0061	0.003	0.05
Lowest fifth percentile(1)	30.92	5.80	6.42	36.6	0.08	0.79	36.1	0.202	0.0155	1.38	0.376	4.15	0.00125	0.00125	0.0155
# of values undetected	0	0		0	2	5	0	1	2	0	0	0	4	4	5
# of values between MDL and PQL	0	0		0	0	0	0	1	0	0	0	0	0	1	0
Chronic Aquatic Life Criteria (CALC)[2]	NA	>6.5 and <8.5	NA	NA	NA	NA	<20	NA	NA	230	NA	NA	NA	0.0052	7.00
Drinking Water Standards (DWS)[3]	NA	>6.0 and <8.5	NA	500	NA	NA	NA	10	NA	250	4	250	NA	0.2	NA
% of CALC exceedences	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Analytes	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium[4]		Calcium		Chromium[4,6]		Cobalt	
Total/Dissolved	Total	Dissol	Total	Dissolve	Total	Dissolv	Total	Dissolv	Total	Dissolved	Total	Dissolved	Total	Dissol	Total	Dissolved	Total	Dissolv	Total	Dissolved	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location: Nondalton																						
Sample Date																						
07/30/04	**3.9**	**3.9**	0.315		11.4	11.5	4.82	4.68	**0.0075**	**0.0075**	**0.75**	**0.75**	**5.6**	**8.6**	0.105	**0.05**	17600	17400	**0.158**	**0.12**	**0.0362**	**0.0155**
11/05/04	**12.5**	**12.5**	**0.103**	**0.0903**	11.3	10.9	5.25	5.27	**0.0228**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	22400	22700	**0.05**	**0.05**	**0.05**	**0.05**
03/28/05	1.56		0.0829	0.074	14.2	13.4	5.77	5.54	**0.001495**	**0.00150**	**0.003835**	**0.00384**	8.1	8.05	**0.00310**	**0.00919**	19200	22800	**0.036**	**0.036**	**0.0256**	**0.0274**
07/11/05	4.53	2.5	0.0752	0.0806	13.4	12.8	5.47	5.48	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	24000	22400	0.397	0.472	0.0364	0.0368
10/08/05	4.5	2.9	0.0712	0.06	13	12.6	5.78	5.57	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	23200	21700	**0.031**	**0.031**	0.0606	0.059
Mean	5.4	5.5	0.1295	0.0762	12.7	12.2	5.42	5.31	0.0094	0.0063	0.30	0.30	5.1	5.6	0.0278	0.0180	21280	21400	0.134	0.142	0.0418	0.0377
St. Deviation	4.2	4.7	0.1044	0.0127	1.3	1.0	0.40	0.37	0.0080	0.0027	0.41	0.41	2.3	2.8	0.0434	0.0182	2748	2277	0.156	0.188	0.0136	0.0174
# of values	5	4	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Minimum	1.56	2.5	0.0712	0.06	11.30	10.90	4.82	4.68	0.001495	0.0015	0.00155	0.00155	1.55	1.55	0.003095	0.00775	17600	17400	0.031	0.031	0.0256	0.0155
Maximum	12.5	12.5	0.315	0.0903	14.2	13.4	5.78	5.57	0.0228	0.0075	0.75	0.75	8.1	8.6	0.105	0.05	24000	22800	0.397	0.472	0.0606	0.059
Lowest fifth percentile(1)	2.0	2.6	0.0720	0.0621	11.3	11.0	4.91	4.80	0.0027	0.0027	0.0016	0.0016	2.2	2.2	0.0040	0.0078	17920	18260	0.032	0.032	0.0277	0.0179
# of values undetected	2	2	0	0	0	0	0	0	4	5	5	5	2	2	4	4	0	0	3	3	1	2
# of values between MDL and PQL	0	0	1	1	0	0	0	0	1	0	0	0	1	1	0	1	0	0	1	1	2	1
Chronic Aquatic Life Criteria (CALC)[2]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.180	0.168	NA	NA	10.98	9.44	NA	NA
Drinking Water Standards (DWS)[3]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Location: Pedro Bay																						
Sample Date																						
07/22/04	27.4	**12.5**	0.256	**0.195**	9.8	10	33.9	36.1	**0.0075**	**0.0075**	**0.75**	**0.75**	**3.5**	**1.55**	**0.05**	**0.0155**	11800	12100	0.336	0.2	**0.0155**	**0.0155**
10/16/04	39.3	**12.5**	**0.191**	0.21	9.35	9.46	31	34.1	**0.0075**	**0.0075**	**0.75**	**0.75**	**1.55**	**1.55**	**0.0155**	**0.0155**	10900	10800	0.39	0.495	**0.0155**	**0.0155**
04/02/05	16	5.78	0.213	0.202	9.43	9.78	31.6	34.2	**0.001495**	**0.0015**	**0.003835**	**0.00384**	3.82		**0.00310**	**0.00310**	11500	13800	0.258	**0.187**	**0.00476**	**0.0208**
07/13/05	23.2	6.01	0.188	0.189	10.5	11.3	35.1	38.2	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**1.55**	**1.55**	**0.00775**	**0.00775**	14000	14300	0.504	0.528	0.022	**0.004**
10/07/05	18.8	4.91	0.164	0.154	9.99	9.62	31.1	29.9	**0.0075**	**0.0075**	**0.00155**	**0.00155**	**5**	**5**	**0.00775**	**0.00775**	12900	12400	**0.031**	**0.031**	0.0406	0.0338
Mean	24.9	8.34	0.202	0.190	9.81	10.03	32.54	34.50	0.0063	0.0063	0.3014	0.3014	3.1	2.4	0.0168	0.0099	12220	12680	0.304	0.288	0.0197	0.0179
St. Deviation	9.1	3.82	0.035	0.022	0.46	0.74	1.85	3.07	0.0027	0.0027	0.4095	0.4095	1.5	1.7	0.0191	0.0054	1232	1399	0.177	0.215	0.0132	0.0108
# of values	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5
Minimum	16	4.91	0.164	0.154	9.35	9.46	31	29.9	0.001495	0.0015	0.00155	0.00155	1.55	1.55	0.003095	0.003095	10900	10800	0.031	0.031	0.00476	0.004
Maximum	39.3	12.5	0.256	0.21	10.5	11.3	35.1	38.2	0.0075	0.0075	0.75	0.75	5	5	0.05	0.0155	14000	14300	0.504	0.528	0.0406	0.0338
Lowest fifth percentile(1)	16.6	5.08	0.169	0.161	9.37	9.49	31.0	30.7	0.0027	0.0027	0.0016	0.0016	1.6	1.6	0.0040	0.0040	11020	11060	0.076	0.062	0.0069	0.0063
# of values undetected	0	2	0	0	0	0	0	0	5	5	5	5	3	4	5	5	0	0	1	1	3	2
# of values between MDL and PQL	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
Chronic Aquatic Life Criteria (CALC)[2]	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.113	0.109	NA	NA	10.98	9.44	NA	NA
Drinking Water Standards (DWS)[3]	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Analytes	Copper[4]		Iron		Lead[4]		Magnesium			Manganese		Mercury[4,7]		Molybdenum		Nickel[4]		Potassium		Selenium		Silicon	Silver[8]	
Total/Dissolved	Total	Dissolv	Total	Dissolv	Total	Dissolv	Total	Dissolved		Total	Dissolv	Total	Dissolved	Total	Dissolv	Total	Dissolv	Total	Dissol	Total	Dissolve	Dissolve	Total	Dissolved
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location: Nondalton																								
Sample Date																								
07/30/04	7.45	6.42	**3.1**	**3.1**	0.385	0.396	3130	3170		**0.734**	**0.636**	**0.0005**		2.24	2.27	0.581	0.767	1100	1100	**0.155**	**0.155**	7850	**0.0031**	**0.0031**
11/05/04	31.8	4.26	**3.1**	**3.1**	1.33	**0.197**	3350	3230		**0.25**	**0.25**			2.96	2.82	0.613	0.673	1280	1230	**0.155**	**0.155**	7120	**0.0083**	**0.0063**
03/28/05	6.27	5.19	**1.33**	**1.33**	0.0906	0.0994	3540	3880		0.0852	0.116	**0.0315**	**0.0315**	3.72	3.21	0.12	0.192	1360	1350	**0.0367**	**0.0143**	6800	**0.00144**	**0.001435**
07/11/05	41.7	14.2	72.5	70.8	0.922	0.583	3920	3830		0.433	0.464	**0.1**	**0.031**	3.35	3.26	0.81		1370	1330	**0.0775**	**0.0775**	6760	**0.0031**	**0.0031**
10/08/05	4.6	3.43	**11.6**	**8.33**	0.149	0.117	3730	3590		4.13	3.97	**0.031**	**0.031**	2.76	2.71	1.08	1.09	1290	1260	**0.0775**	**0.0775**	7880	**0.0031**	**0.0031**
Mean	18.36	6.70	18.3	17.3	0.575	0.278	3534	3540		1.13	1.09	0.0408	0.0312	3.006	2.854	0.641	0.681	1280	1254	0.100	0.096	7282	0.0038	0.0034
St. Deviation	17.18	4.34	30.5	30.0	0.534	0.207	310	330		1.70	1.62	0.0421	0.0003	0.565	0.405	0.353	0.371	108	99	0.053	0.060	550	0.0026	0.0018
# of values	5	5	5	5	5	5	5	5		5	5	4	3	5	5	5	4	5	5	5	5	5	5	5
Minimum	4.600	3.430	1.33	1.33	0.091	0.0994	3130	3170		0.0852	0.116	0.0005	0.031	2.24	2.27	0.12	0.192	1100	1100	0.0367	0.0143	6760	0.00144	0.001435
Maximum	41.7	14.2	73	70.8	1.33	0.583	3920	3880		4.13	3.97	0.1	0.0315	3.72	3.260	1.08	1.09	1370	1350	0.155	0.155	7880	0.0083	0.0063
Lowest fifth percentile(1)	4.93	3.60	1.7	1.7	0.102	0.103	3174	3182		0.12	0.14	0.0051	0.031	2.344	2.358	0.212	0.264	1136	1126	0.045	0.027	6768	0.0018	0.0018
# of values undetected	0	0	3	3	0	0	0	0		1	1	4	3	0	0	0	0	0	0	4	5	0	4	4
# of values between MDL and PQL	0	0	0	1	0	1	0	0		1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[2]	5.845	5.611	1000	1000	1.585	1.380	NA	NA		NA	NA	0.77	0.77	NA	NA	32.83	32.74	NA	NA	5	4.6	NA	1.584	1.346
Drinking Water Standards (DWS)[3]	NA	NA	NA	NA	15	NA	NA	NA		50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	80%	40%	0%	0%	0%	0%	0%	0%	##	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	##	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Location: Pedro Bay																								
Sample Date																								
07/22/04	1.18	1.1	**13.1**	**3.1**	**0.05**	**0.157**	909	776		**0.777**	**0.25**	**0.0001**		**0.573**	**0.775**	0.317		1180	1210	**0.155**	**0.155**	5560	**0.0031**	**0.0031**
10/16/04	1.05	0.634	**18.8**	**3.1**	**0.05**	**0.104**	815	833		1.32	**0.25**			**0.639**	**0.751**	0.276	0.354	1020	980	**0.155**	**0.155**	5490	**0.0031**	**0.0031**
04/02/05	1.58	0.885	12.2	**4**	0.251	0.136	842	886		0.71	0.226	**0.032**	**0.032**	0.432		**0.045**		1090	1230	**0.0406**	**0.0742**	4990	**0.00144**	**0.005**
07/13/05	1.66	1.08	59.7	39.6	**0.05**	0.106	1040	1060		1.11	0.42	**0.031**	**0.031**	0.751	0.756	0.388		1260	1340	**0.0775**	**0.0775**	5130	**0.0031**	**0.0031**
10/07/05	1.43	0.57	25.1	**3.1**	**0.05**	**0.05**	947	905		0.989	0.311	**0.031**	**0.031**	0.585	0.579	0.567	0.634	1250	1190	**0.0775**	**0.0775**	5730	**0.0031**	**0.0031**
Mean	1.38	0.85	25.8	10.6	0.09	0.111	911	892		0.98	0.29	0.0234	0.0312	0.596	0.715	0.319	0.494	1160	1190	0.101	0.108	5380	0.0028	0.0035
St. Deviation	0.26	0.25	19.7	16.2	0.09	0.040	89	106		0.25	0.08	0.0155	0.0003	0.116	0.091	0.189	0.198	104	131	0.051	0.043	309	0.0007	0.0008
# of values	5	5	5	5	5	5	5	5		5	5	4	3	5	4	5	2	5	5	5	5	5	5	5
Minimum	1.05	0.570	12.2	3.1	0.05	0.05	815	776		0.71	0.226	0.0001	0.031	0.432	0.579	0.045	0.354	1020	980	0.0406	0.0742	4990	0.00144	0.0031
Maximum	1.66	1.1	59.7	39.6	0.251	0.157	1040	1060		1.32	0.42	0.032	0.032	0.751	0.775	0.567	0.634	1260	1340	0.155	0.155	5730	0.0031	0.0050
Lowest fifth percentile(1)	1.08	0.58	12.4	3.1	0.05	0.061	820	787		0.72	0.23	0.0047	0.031	0.460	0.605	0.091	0.368	1034	1022	0.048	0.075	5018	0.0018	0.0031
# of values undetected	0	0	0	4	4	1	0	0		0	2	4	3	0	0	1	0	0	0	4	4	0	5	5
# of values between MDL and PQL	0	0	2	0	0	2	0	0		1	0	0	0	2	2	0	0	0	0	1	1	0	0	0
Chronic Aquatic Life Criteria (CALC)[2]	3.422	3.285	1000	1000	0.714	0.687	NA	NA		NA	NA	0.77	0.77	NA	NA	19.32	19.27	NA	NA	5	4.6	NA	0.539	0.458
Drinking Water Standards (DWS)[3]	NA	NA	NA	NA	15	NA	NA	NA		50	NA	2	2	NA	NA	100	NA	NA	NA	50	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	##	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	##	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Analytes	Sodium		Thallium		Tin		Vanadium		Zinc[4]	
Total/Dissolved	Total	Dissolv	Total	Dissolved	Total	Dissolve	Total	Dissol	Total	Dissolv
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location: Nondalton										
Sample Date										
07/30/04	7070	7170	**0.0125**	**0.0125**	**0.155**	**0.155**	1.41	1.37	**0.939**	**1.44**
11/05/04	8510	8330	**0.0125**	**0.0125**	**0.482**	**0.155**	1.31	1.29	1.65	1.59
03/28/05	8540	8520	**0.0021**	**0.0021**	**0.0302**	**0.0302**	1.55	1.4	14.4	1.88
07/11/05	8960	8740	**0.0031**	**0.0031**	0.395	**0.031**	1.66	1.24	4.53	
10/08/05	8300	8120	**0.0031**	**0.0031**	**0.031**	**0.031**	1.96	2.02	3.91	
Mean	8276	8176	0.0067	0.0067	0.219	0.080	1.58	1.46	5.09	1.64
St. Deviation	715	607	0.0053	0.0053	0.209	0.068	0.25	0.32	5.42	0.22
# of values	5	5	5	5	5	5	5	5	5	3
Minimum	7070	7170	0.0021	0.0021	0.0302	0.0302	1.31	1.24	0.939	1.44
Maximum	8960	8740	0.0125	0.0125	0.482	0.155	1.96	2.02	14.4	1.9
Lowest fifth percentile(1)	7316	7360	0.0023	0.0023	0.030	0.030	1.33	1.25	1.08	1.46
# of values undetected	0	0	5	5	3	5	0	0	1	0
# of values between MDL and PQL	0	0	0	0	1	0	0	0	1	1
Chronic Aquatic Life Criteria (CALC)[2]	NA	NA	NA	NA	NA	NA	NA	NA	75.37	74.31
Drinking Water Standards (DWS)[3]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Location: Pedro Bay										
Sample Date										
07/22/04	2240	2180	**0.0125**	**0.0125**	**0.155**	**0.155**	4.57	4.94	2.77	2.18
10/16/04	2060	2100	**0.0125**	**0.0125**	**0.155**	**0.155**	4.24	4.38	2.9	
04/02/05	1810		**0.0021**	**0.0021**	0.464	**0.0302**	5.12	4.62	6.45	4
07/13/05	2500	2560	**0.0031**	**0.0031**	**0.031**	**0.031**	4.76	5.15	6.07	
10/07/05	2360	2270	**0.0031**	**0.0031**	**0.031**	**0.031**	5.08	5.06	5.51	
Mean	2194	2278	0.0067	0.0067	0.167	0.080	4.75	4.83	4.74	3.09
St. Deviation	269	201	0.0053	0.0053	0.177	0.068	0.37	0.32	1.77	1.29
# of values	5	4	5	5	5	5	5	5	5	2
Minimum	1810	2100	0.0021	0.0021	0.031	0.0302	4.24	4.38	2.77	2.18
Maximum	2500	2560	0.0125	0.0125	0.464	0.155	5.12	5.15	6.5	4.0
Lowest fifth percentile(1)	1860	2112	0.0023	0.0023	0.031	0.030	4.31	4.43	2.80	2.27
# of values undetected	0	0	5	5	4	5	0	0	0	0
# of values between MDL and PQL	0	0	0	0	0	0	0	0	0	0
Chronic Aquatic Life Criteria (CALC)[2]	NA	NA	NA	NA	NA	NA	NA	NA	44.32	43.70
Drinking Water Standards (DWS)[3]	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
% of CALC exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% of DWS exceedences	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Key:
Bold Results = Parameter undetected by test, value shown is 1/2 MDL.
If result was not detected at the lab MDL, the value shown is 1/2 MDL.
If result was validation flagged U or UJ, the value shown is 1/2 MRL.
Green Results = Estimate result reported by laboratory below reporting limit (MRL).
Red Results = Result exceed applicable Chronic Aquatic Life Criteria and/or Drinking Water Standards.
MDL = Method Detection Limit.
MRL = Method Reporting Limit.
NA = Not Applicable , no limit established.
CALC = ADEC Chronic Aquatic Life Criteria
DWS = Drinking Water Standards -18 AAC 70, Water Quality Standards, fresh water uses, (6)(A)(i) and (6)(C).
ADEC = Alaska Department of Environmental Conservation
EPA = Environmental Protection Agency
WAD Cyanide = Weak Acid Dissociable Cyanide
mg/L = Milligrams per Litre (Parts per Pillion)
µg/L = Micrograms per Litre (Parts per Billion)

Footnotes:
(1) CALC come from the ADEC Alaska Water Quality Criteria Manual – Table III and from the ADEC Water Quality Standards for Fresh Water Uses under use (C).
(2) DWS come from the ADEC Alaska Water Quality Criteria Manual – Table I, the ADEC Water Quality Standards under use (A)(i), and EPA Primary Drinking Water Standards.
(3) Total Ammonia CALC limit dependent on calculated upper 95th percentile of temperature and pH.
(4) Cadmium, Chromium III, Copper, Lead, Nickel and Zinc CALC limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(5) Criterion given is for free cyanide. ADEC has determined that the WAD cyanide method is to be used for analysis and the result is to be applied to the free cyanide criterion.
(6) Criterion given is the more stringent of those avalable for chromium III and chromium VI. Analysis is of total chromium.
(7) The Criterion given for total mercury concentration is based on the Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, 2002.
(8) Criterion given for silver is an acute criterion, rather than a chronic criterion as no chronic aquatic life criterion has been established for silver. Acute limits are preliminary estimates and are dependent on Hardness lowest 5th percentile.
(9) Precision displayed in values may be less than actual where unit conversions were necessary, esp. Hg, Si, B.

APPENDIX 9.4B

2004-2005 Field Parameter Data Tables and Graphs
Drinking Water Wells
Transportation-corridor, Bristol Bay Drainages Study Area
2004-2005

9.5. Surface Water—Iliamna Lake

9.5.1. Introduction

An integrated study of water quality, mussel tissue, sediment, and zooplankton was conducted by HDR to characterize baseline conditions for Iliamna Lake. The Iliamna Lake study objectives, study area, scope of work, methods, and results are described in full in Appendix B of this environmental baseline document. A brief overview of the water quality portion of the Iliamna Lake study is presented below.

Sampling sites for the Iliamna Lake study were selected based on their proximity to the transportation corridor and populated communities. Five deeper-water sites were sampled for water quality monthly in May through October 2005 and 2007 – Pile Bay, Knutson Bay, Northeast Bay, Roadhouse Bay and Upper Talarik outlet. Four sites were sampled for water quality in September 2006 – Whistlewing Bay, Bucket Lake, Finn Bay and Flat Lake; Bucket Lake was also sampled in June 2007. Sampling did not take place at Upper Talarik Creek September 2005 due to weather conditions. The data collected provide baseline information on aquatic conditions in the lake.

9.5.2. Summary of Results and Discussion

The water data collected from Iliamna Lake suggest that Iliamna Lake is an oligotrophic, dimictic lake with water-quality conditions similar to the natural conditions of other regional lakes. Only a few parameters (e.g., copper, lead, aluminum, iron, zinc, manganese, and alkalinity) had results outside of the chronic aquatic life criteria (CALC) benchmarks from the Alaska Department of Environmental Conservation for fresh water. These concentrations are likely a result of geological influences and are consistent with previous studies conducted at Iliamna Lake and other area watersheds. Field parameters were within normal ranges, with the exception of a few slightly low pH measurements at Pile Bay, and are considered suitable for lake biota.

Concentrations of nutrients and major ions found during the Pebble Project study were similar to concentrations from a study conducted at Iliamna Lake nearly 40 years ago, with the exception of sodium, which was present at nearly twice the concentration found by the earlier study. Cation and anion dominance in Iliamna Lake is generally characteristic of temperate lakes. Sodium was more abundant than magnesium, however, suggesting a contribution from igneous rocks in the region. Depth was not found to have an effect on the concentrations of major ions, suggesting that waters at these sites were well-mixed. Several major ions and total dissolved solids were lower earlier in the summer, peaked in September, and declined again in October. These temporary increases may be associated with the influence of inflow from streams and of precipitation.

Temporal and spatial variations were evident in some of the water quality analytes. Pile Bay and Knutson Bay tended to exhibit similar concentrations, which were often different (usually higher) than the other three sites. Zinc reached peak concentrations in June and July at many sites. Copper, lead, zinc, and aluminum were found to be above the CALC or drinking water standards periodically at some sites. Alkalinity was almost always below the criteria at all sites, indicating that the system may not be able to buffer significant changes in pH. Mercury, cyanide and organics were rarely found to be above the method reporting limits during the course of the study.

Although these data provide insight into potential trends and baseline conditions of the lake, it is important to note that all findings are based on relatively small sample sizes; therefore, they must be interpreted with caution. Appendix B of this EBD presents a more integrated analysis of the water quality, mussel tissue, sediment and zooplankton sampling methodology and data.