



U.S. FISH AND WILDLIFE SERVICE, WATER RESOURCES BRANCH SURFACE-WATER QUALITY FIELD NOTES

Refuge/Project: _____ FWS Station No. _____ USGS Station No. _____
River: _____ Date: _____
Sampled By: _____ Photos Taken? _____
Collection Start Time: _____ Collection End Time: _____ Collection Mean Time: _____ Time Datum: AKDT AKST

Samples Collected

NWIS Record No. _____ Analysis: *Physical*: _____ *Chemical*: Major Ions & Nutrients _____ Trace Metals (filtered) _____
Lab Schedules: 1833 (Major ions, nutrients) _____ 1916 (Trace metals) _____
Filter Type: CAPSULE: WATMAN Lot # _____ OTHER _____
Preservative Lot Numbers: 7.5N HNO₃ (cations & metals) _____ 4.5N H₂SO₄ (raw nutrients) _____
4.5N H₂SO₄ (DOC) _____
Sample Filtering Location: ON-SITE OTHER _____

Quality Control Information:

Inorganic Blank Water Lot Number _____ Expiration Date _____
Filter Type: CAPSULE: WATMAN Lot # _____ OTHER _____
Preservative Lot Numbers: 7.5N HNO₃ (cations & metals) _____ 4.5N H₂SO₄ (raw nutrients) _____
4.5N H₂SO₄ (DOC) _____
Field Blank _____ NWIS Record No. _____
Equipment Blank _____ NWIS Record No. _____ Duplicate (Split) _____ NWIS Record No. _____
Source Solution Blank _____ NWIS Record No. _____ Duplicate (Concurrent) _____ NWIS Record No. _____
QC Sample Lab Schedules: 1833 (Major ions, nutrients) _____ 1916 (Trace metals) _____

Comments: _____

Meters

Meter Make/Model _____ S/N _____ pH Electrode No. _____
Calibration or test date: Before _____ After _____ (See Meter Log for details)
Dissolved Oxygen Meter Make/Model _____ S/N _____
Probe/Sensor No. _____ Lot No. _____ Expiration Date _____
Calibration or test date: Before _____ After _____ (See Meter Log for details)

Field Measurements

Corrected Gage Height _____ ft Q, inst. _____ cfs MEASURED RATING ESTIMATED
Water Temp _____ °C (mean / composite) pH _____ units (mean / composite) Cond. _____ uS/cm @ 25°C (mean / composite)
Salinity _____ ppt (mean / composite) Alkalinity _____ mg/L as CaCO₃ Bicarbonate _____ mg/L as HCO₃
Dis Oxygen _____ mg/L (mean) Barometric Pres. _____ mmHg DO Sat. Dis Oxygen _____ % (mean)
(note: convert pH values to a logarithm before calculating mean value)

NOTES: _____

Sample Collection Information

Sampler Type: DH81A w/ DH77 CAP DH95 OTHER _____ Sample Compositor: CHURN SPLITTER PLASTIC 3L BOTTLE
 Sampler Material & Size: PLASTIC 1L BOTTLE OTHER _____
 Nozzle Material: TEFLON OTHER: _____ Nozzle Size: 3/16" 1/4" 5/16"
 Stream Width: _____ ft Left Bank Sta No: _____ Right Bank Sta. No: _____
 Sampling Points: _____
 Sampling Location: WADING BOAT BRIDGE UPSTREAM DOWNSTREAM _____ FT MI GAGE
 Sampling Site: POOL RIFFLE OPEN CHANNEL BRAIDED BACKWATER ICE (Ice Cover _____ %)
 Bottom: BEDROCK ROCK COBBLE GRAVEL SAND SILT OTHER _____
 Stream Color: BROWN GREEN BLUE GREY CLEAR OTHER _____
 Stream Mixing: WELL-MIXED STRATIFIED POORLY MIXED UNKNOWN OTHER _____
 Sampling Method: EW1 ED1 OTHER _____
 Stage: STABLE, LOW STABLE, NORMAL STABLE, HIGH RISING FALLING PEAK
 Weather: Sky-- CLEAR PARTLY CLOUDY CLOUDY Precip-- LIGHT MEDIUM HEAVY SNOW MIST
 Wind-- CALM LIGHT BREEZE WINDY Est. Wind Speed: _____ mph
 Air Temp _____ °C at _____ hours

Observations: _____

Cross Sectional Notes

Station	ft from left bank or ft from right bank	Time	Depth ft mid- depth or mult vert	pH units	Cond. uS/cm	Specific Cond. uS/cm	Salinity ppt	Water Temp °C	Water Temp °C	Bar. Pressure mmHg	Dissolved Oxygen mg/L	Dissolved Oxygen Saturated %
X – Sec Means:												
Comp. Readings											In Situ only	In Situ only