

Alaska Gas Producers Pipeline Team

Final Fish Surveys Report

**Presented to the
Alaska Department of Fish and Game**

By

**Dave Erikson
URS Corporation**

October 12, 2001

1.0 INTRODUCTION

The purpose of this document is to report the results of activities conducted under URS's Alaska Department of Fish and Game Collection Permit No. SP-2001-099 (as amended) for collecting fish in select freshwater streams crossed by the Alaska Gas Producer's Pipeline Team's (AGPPT) Alaska Highway alignment. The primary objective of the fish stream crossing survey was to document and describe fish presence and relevant physical habitat characteristics for small to moderately-sized streams crossed by the proposed gas pipeline alignment with emphasis on the portion of the stream in the immediate vicinity of the crossing locations. This survey was conducted between July 7 and August 19, 2001.

The data collected under this field study could be used to support the preparation of resource reports for an application to the Federal Energy Regulatory Commission (FERC) for a certificate to construct the proposed gas pipeline project, if the proposed gas pipeline is determined to be economic. Fish presence and aquatic habitat information, in combination with hydrological and water quality information, will also be used to assist in the planning of pipeline design, construction techniques, and construction timing at specific crossing locations. Information regarding the presence and nature of fish resources and the sensitivity of their habitat is needed to define the permitting and mitigation requirements at each stream crossing. We understand that additional investigations will be required for necessary State of Alaska, Title 16 Permits to cross anadromous fish streams along the alignment.

2.0 METHODS

The proposed gas pipeline alignment along the Alaska Highway Route crosses or otherwise impacts about 538 streams, from Prudhoe Bay south to the Canadian border. While the aquatic resources of large rivers and streams are reasonably well known from data collected and compiled by the Alaska Department of Fish and Game, data for many of the numerous small and medium sized streams is limited. Through an initial screening process based on a review of the published and unpublished literature, data collected by resources agencies, and from other projects in the region, approximately 230-250 streams were considered to have insufficient data to meet the minimum requirement of the FERC Application. After the initiation of the field studies, we increased this number of streams by approximately 80 streams with an amendment to our permit in order to obtain current fisheries data on streams along the TAPS corridor.

2.1 Location Data

Coordinates for each crossing along the alignment were initially determined from a digital centerline overlaid on topographic maps and this provided the primary means of locating streams. In the field, stream crossings were located and documented using a GPS. The GPS unit used for all the field studies was Trimble Pro XRS (backpack) with the TSC-1 Data Logger. The data logger function allowed the integration of location data and site-specific survey data. Data entry into the GPS units was accomplished using menu options in order to maintain data consistency and insure complete collection of required data fields at each location. Base stations in several locations along the alignment were used to collect continuous data for post processing the GPS data collected in the field that resulted in an approximate accuracy of +/- 1 meter.

2.2 Physical Data

Once the field team arrived at a crossing location, an initial assessment of the crossing site was conducted. This involved collecting a standard suite of physical data and descriptive information. The data included basic water quality information (pH, dissolved oxygen, conductivity, temperature, and turbidity), average and maximum depth, average width, water velocity, estimated flow, cover characteristics, bank characteristics, riparian vegetation, substrate composition, habitat distribution, and channel type. This physical data is not included with this report because it is not required by the Permit Stipulations.

2.2 Fisheries Data

The field survey team consisted of four individual crews that could operate independently along the pipeline corridor. Each team consisted of a Crew Leader, an assistant fisheries biologist, water quality/GPS technician, and a bear guard.

The reaches of the streams near to the crossing location (50 meters upstream and 50 meters downstream) were sampled for fish using a variety of methods depending on the physical and biological characteristics of the stream. Methods available for fish sampling included a backpack, Smith-Root Model 7 electroshocker, beach seine, hook and line sampling and baited minnow-type traps. No electroshocking was conducted in streams with obvious spawning or migrating adult fish. If large fish were encountered, electrofishing activity was terminated in case they were spawners.

Because of the need to set minnow traps overnight, the use of traps was limited to special circumstances where repeat access was practical. The amount of effort expended in sampling at each stream was determined by the judgement of the team leader. The intent was to adequately characterize fish use within the sample reach.

Within small, wadeable streams, the entire 100-m reach was sampled with the electroshocker if practicable. All fish captured were identified to species, measured and released alive near the point of capture. Visual observations of fish were also recorded. If a stream was too deep for electroshocking, hook and line sampling was used or visual observations were conducted. In the larger streams or rivers where suitable information on fish is already available such as the Yukon, Chatanika, Salcha and Tanana Rivers, no active fish sampling was conducted although physical characteristics at the crossing location were collected.

A field estimation of habitat value for various fish species and life history stages was determined based on fish presence and physical characteristics. The team also recorded comments relative to special conditions, needs for mitigation, and potential for erosion. However this information is not included in this report because it is not required by the Permit Stipulations.

2.3 Logistics

Because of the large number of streams, long linear distance, and short time period, multiple investigation teams were used. Means of access to stream crossings was by foot. No helicopters or boats were used during the survey.

Accommodations for the mobile stream crews consisted of pickups and SUVs for transportation and travel trailers for lodging. Crews working in the vicinity of Fairbanks commuted to the stream locations from a base in Fairbanks.

3.0 RESULTS

A total of 376 streams or waterbodies crossing were sampled during the 2001 field season. The Alaska Department of Fish and Game has categorized sixteen of these streams as anadromous fish streams. Of the 376, eight streams were not sampled for fish due to deep water or suitable existing data such as the Yukon River. In these areas, only physical data was collected. Approximately six streams crossing along the alignment were not sampled this year because permission to access the sites was not obtained prior to the end of the field season. These crossing locations were either on private lands or on military reservations. In some cases data on these streams were collected at a different location (i.e. along the highway) in order to get some data on these streams.

Of the 376 waterbody crossings investigated, direct observations of fish presence were documented in 76 streams. This number of streams (76) is not meant to represent the total number of fish streams crossed by the alignment. Several more streams likely support fish at some time of the year but were dry at the time of sampling or they were not sampled due to deep water or dangerous sampling conditions. The larger streams likely have suitable historic information on fish use. Low water levels in July likely contributed to the lower than expected number or absence of fish in the smaller streams.

A total of ten species of fish was identified within the study area and these species are presented in the attached spreadsheet. All fish captured during the survey were released alive back into the streams. Arctic grayling were the most common and widely distributed species occurring in 65 of the 76 streams. The second most common fish was the slimy sculpin, which occurred in 23 streams. All other fish species occurred in no more than five streams.

Approximately 130 juvenile and adult Arctic grayling were captured during the survey and equally as many grayling fry were caught. One tagged grayling, was caught in a tributary to the Kuparuk River in mid-July. The tag number was yellow TOOLIK 04084. All grayling were released alive back into the stream.

Other species collected include Dolly Varden, burbot, ninespine stickleback, round whitefish, longnose suckers, and several unidentified fry. No salmon were captured during the survey but chinook salmon were visually observed in the Chatanika and Salcha Rivers.

A hard copy of the field data is attach to this report and an electronic copy of the fish stream data will be sent via email to ADF&G Area Biologists and the Gas Pipeline Office in Anchorage.

October 12, 2001

Al Havens
Alaska Department of Fish & Game
Division of Sport Fish – Permits
P.O. Box 25526
Juneau, AK. 99802

Report of Sampling Activity ADF&G Collection Permit
No. SP-2001-099
URS Job No. 74-NANGPG01.06

Dear Mr. Haven:

Please find enclosed our report of activities under our ADF&G Collection Permit No. SP-2001-099 for collecting fish in select streams crossed by the Alaska Gas Producer's Pipeline Team's (AGPPT) Alaska Highway alignment. The fish stream survey was conducted between July 7 to August 19, 2001 and sampling was conducted in 376 streams between Prudhoe Bay and the Canadian border. Fish were collected or observed in 76 streams.

A hard copy of the report including all fish data will be sent via Federal Express. Copies of this report will also be sent to ADF&G Area Management Biologists Mike Doxey and John Burr in Fairbanks and Fronty Parker in Delta Junction, Al Ott of the H&R Division in Fairbanks, and Mike Weidmer and Jonne Slemons with the Gas Pipeline Office in Anchorage.

If you have any questions on this report, the data collected this summer, or any other aspect of the project, please feel free to contact me at 907 261-9750 or at 907 441-7931. Thank you again for your assistance on this project.

Sincerely,

David Erikson,
Senior Biologist

cc: Mike Doxey, Division of Sport Fish, Fairbanks, AK
John Burr, Division of Sport Fish, Fairbanks, AK
Al Ott, Division of Habitat and Restoration, Fairbanks, AK
Fonty Parker, Division of Sport Fish, Delta Junction, AK
Mike Weidmer, H&R Division, Gas Pipeline Office, Anchorage, AK
Jonne Slemons, Gas Pipeline Office, Anchorage, AK
Allen Scheyler, AGPPT, Anchorage, AK
Randy Kanady, AGPPT, Anchorage, AK

Attachment: 2

Legend and Notes

Value_Code	Data_Value	Value
A	Abundant	
C	Common	>5 fish per 100 meters
F	Frequent	
NA	No Available Data	
NS	Not Sampled	
R	Rare	
U	Uncommon	1-5 fish per 100 meters
X	Not present	0

Fish Measurements
All lengths are in millimeters.
Each Asterix (*) represents an unmeasured fish.
Only Values in Bold were used

AGGPT Stream Reference Number
Sampling for streams with AGP reference numbers ending in "-A" were taken at locations other than the centerline of the proposed route, all of which were in the Delta Junction area where the proposed route crossed lands to which field teams had not yet received land owner permission to access. Sampling for streams with AGP reference numbers ending in "Rev13" were at locations from the Revision 13 alignments. The most current revision is Rev17.

Stream Names
Stream names taken from USGS Quad Maps, Alyeska Fish Stream Crossing Names(APSC Environmental Atlas, June 1993 edition), and descriptive names assigned by URS staff/surveyors for ease of identification.

TABLE 1 - SUMMARY OF FISH COLLECTION

Species	Total Number	Abundance	Number of Streams	Percent of Total						
Burbot	1	Not present	375	99.7%						
		Uncommon	1	0.3%						
Dolly Varden	130 + ~ 100 fry	Not present	374	99.5%						
		Uncommon	2	0.5%						
Arctic Grayling	2	Not present	310	82.4%						
		Common	34	9.0%						
		Uncommon	31	8.2%						
		No Available Data	1	0.3%						
Other Fish (Unid.)	<10	Not present	367	97.6%						
		Common	5	1.3%						
		Uncommon	4	1.1%						
Pike	8	Not present	373	99.2%						
		Uncommon	3	0.8%						
Slimy Sculpin	105	Not present	353	93.9%						
		Common	20	5.3%						
		Uncommon	3	0.8%						
Stickleback	4	Not present	374	99.5%						
		Uncommon	2	0.5%						
Round Whitefish	5	Not present	371	98.7%						
		Uncommon	3	0.8%						
		Common	2	0.5%						
Longnose_Sucker	2	Not present	374	99.5%						
		Uncommon	2	0.5%						
			<table border="1"> <thead> <tr> <th>Fish Present?</th> <th>Number of Streams</th> </tr> </thead> <tbody> <tr> <td>No</td> <td>300</td> </tr> <tr> <td>Yes</td> <td>76</td> </tr> </tbody> </table>		Fish Present?	Number of Streams	No	300	Yes	76
Fish Present?	Number of Streams									
No	300									
Yes	76									

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP100000.00	Trib of Putuligayuk River		436992.8846	7792462.1677	70.23068	-148.66929				
AGP100000.10	Putuligayuk River		436009.1714	7791238.5214	70.21947	-148.69443				2.75
AGP100000.20	Trib of Putuligayuk River		435921.6694	7790138.6343	70.20959	-148.69594				
AGP100000.30	Trib of Putuligayuk River		435333.9581	7787915.1226	70.18951	-148.70983				
AGP100000.40	Trib of Putuligayuk River		433704.8542	7781259.8600	70.12945	-148.74783				
AGP100000.50	Trib of Putuligayuk River		432965.6160	7777386.2234	70.09454	-148.76436				
AGP100000.60	Trib of Kuparak River		432232.0068	7727325.8066	69.64565	-148.74596				
AGP100000.70	Trib of Kuparak River		432023.4302	7726646.0789	69.63950	-148.75083				
AGP100000.80	Trib of Kuparak River		431797.8056	7725872.9964	69.63252	-148.75607				
AGP100000.90	Trib of Kuparak River		431779.2226	7725774.5876	69.63163	-148.75648				
AGP100005.00	Trib of Kuparak River		431716.0480	7725487.0532	69.62904	-148.75789				
AGP100005.10	Trib of Kuparak River		431647.9441	7725128.8715	69.62581	-148.75937				
AGP100005.20	Trib of Kuparak River		431533.3166	7724522.4456	69.62034	-148.76187				
AGP100005.30	Trib of Kuparak River		431531.5446	7724437.7792	69.61958	-148.76186				
AGP100005.40	Trib of Kuparak River		431509.2998	7724400.1883	69.61924	-148.76240				
AGP100005.50	Trib of Kuparak River		431460.2024	7724020.0677	69.61582	-148.76338				
AGP100005.60	Trib of Kuparak River		431395.2944	7723438.4681	69.61059	-148.76462				
AGP100005.70	Trib of Kuparak River		431327.2443	7722475.1033	69.60194	-148.76565				
AGP100005.80	Trib of Toolik River		430859.6815	7714730.4602	69.53240	-148.77190				
AGP100005.90	Trib of Toolik River		430744.1055	7703829.0599	69.43465	-148.76679				
AGP100010.00	Trib of Toolik River		430738.4293	7703798.4843	69.43438	-148.76691				
AGP100010.10	Trib of Toolik River		430729.1045	7703740.9179	69.43386	-148.76711				
AGP100010.20	Trib of Toolik River		430659.9139	7703266.5398	69.42959	-148.76852				
AGP100010.30	Trib of Toolik River		430516.8714	7702411.0401	69.42188	-148.77154				
AGP100010.40	Trib of Toolik River		430410.0676	7701293.1226	69.41184	-148.77343				
AGP100010.50	Trib of Toolik River		430453.1260	7701067.2794	69.40982	-148.77217				
AGP100010.60	Trib of Toolik River		430511.5961	7700688.5932	69.40644	-148.77040				
AGP100010.70	Trib of Toolik River		430526.3682	7700595.2851	69.40561	-148.76996				
AGP100010.80	Trib of Toolik River		430622.6772	7700010.7402	69.40040	-148.76708				
AGP100010.90	Trib of Toolik River		430839.4550	7699051.6165	69.39186	-148.76085				
AGP100015.00	Trib of Sagavanirktok R		430940.1079	7697328.2674	69.37643	-148.75703				65.00

Stream Reference	Stream_Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP100015.10	Trib of Sagavanirktok R		430963.6357	7697250.0455	69.37574	-148.75638				65.00
AGP100015.20	Trib of Sagavanirktok R		430924.5230	7697081.4508	69.37422	-148.75725				65.00
AGP100100	Trib of Trib of Sagavanirktok R		431414.2277	7689415.6652	69.30563	-148.73926				75.30
AGP100150	Spoiled Mary Creek		431242.5584	7689136.8175	69.30309	-148.74341				75.40
AGP100200	Trib of Sagavanirktok R		429916.0576	7685818.5773	69.27300	-148.77459				78.00
AGP100210	Trib of Sagavanirktok R		429943.2329	7685620.9326	69.27124	-148.77376				
AGP100220	Trib of Sagavanirktok R		430062.3654	7683855.0919	69.25544	-148.76945				
AGP100230	Trib of Sagavanirktok R		429343.6173	7680224.9861	69.22271	-148.78495				
AGP100300	Trib of Sagavanirktok R		428338.1495	7678373.8483	69.20585	-148.80896				
AGP100400	Trib of Sagavanirktok R		427202.7345	7673294.6530	69.16002	-148.83376				
AGP100410	Trib of Sagavanirktok R		427075.2490	7672250.6249	69.15063	-148.83619				
AGP100420	Dan Creek		426989.5497	7666300.0538	69.09727	-148.83386	249			84.96
AGP100500	Unnamed		426032.9184	7660573.0552	69.04568	-148.85353				
AGP100600	Unnamed		425756.8574	7659084.6997	69.03226	-148.85931				90.00
AGP100700	Gustafson Gulch (Main)		424360.3599	7652901.7275	68.97646	-148.88950	89			96.12
AGP100800	Gustafson Gulch (Trib)		424175.7715	7650871.9120	68.95822	-148.89254	89			96.12
AGP100805	Unnamed		423632.6076	7647308.5922	68.92613	-148.90333				
AGP100810	Polygon Creek (Trib)		423607.8371	7646134.6683	68.91560	-148.90305	90			
AGP100815	Polygon Creek (Main)		423612.9279	7645549.9035	68.91036	-148.90247	90			99.07
AGP100820	Poison Pipe Creek		423558.3131	7643901.6376	68.89557	-148.90256	91			99.99
AGP100825	Climb Creek		423542.5940	7643262.9394	68.88984	-148.90245	92			100.31
AGP100830	Dennis Creek		423523.4683	7642399.1809	68.88209	-148.90226	93			100.82
AGP100835	Dennis Creek		423515.9073	7642036.7354	68.87884	-148.90217	93			100.82
AGP100840	Rudy 1		423495.5077	7641101.4146	68.87045	-148.90196	94			102.45
AGP100845	Rudy 2		423234.9884	7639768.0785	68.85843	-148.90740	94			102.45
AGP100850	Oksrukuyik Creek Trib 1		422051.1327	7632540.0936	68.79331	-148.93116	98			103.55

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP100855	Oksrukuyik Creek Trib 2		422054.5231	7632461.2988	68.79260	-148.93101	98			103.55
AGP100860	Oksrukuyik Creek Trib 3		420915.4618	7628346.4188	68.75540	-148.95597	98			
AGP100865	Oksrukuyik Creek Trib 4		420564.9330	7627667.9000	68.74921	-148.96409	98			
AGP100870	Unnamed		418907.1833	7625469.0526	68.72903	-149.00328				
AGP100875	Oksrukuyik Creek		418358.6386	7624808.7927	68.72295	-149.01629	98			114.00
AGP100880	Toolik River Trib		415698.8184	7621861.5632	68.69574	-149.07946	99			117.11
AGP100885	Toolik River		405741.7168	7616878.1503	68.64788	-149.32020				123.92
AGP100890	East Fork Kuparuk		404765.8555	7616358.1760	68.64289	-149.34371	100			124.80
AGP100900	Kuparuk River		403135.8950	7614286.3237	68.62376	-149.38181	101			126.33
AGP101000	Kuparuk River Trib		401220.1216	7612429.2957	68.60645	-149.42706				
AGP101100	Terry Creek		398823.7964	7608582.3539	68.57113	-149.48206	107			133.20
AGP101105	Terry Creek		398275.5902	7607719.0142	68.56319	-149.49464	107			133.49
AGP101110	Mack Creek		398427.2406	7606779.8226	68.55483	-149.48999	108			134.01
AGP101115	Ed Creek		398500.0090	7606313.0061	68.55067	-149.48775	109			134.33
AGP101120	Jill Creek		398767.6704	7605179.8642	68.54062	-149.48008	110			135.11
AGP101125	Atigun River		403191.3769	7595071.7217	68.45160	-149.36232	252			142.02
AGP101130	Vanish/Holden Creek		404544.4261	7590003.0219	68.40664	-149.32468	115			145.67
AGP101135	Roche Moutonee Creek		404808.2166	7586283.1150	68.37339	-149.31486	119			147.58
AGP101140	Mile 153 Creek		402800.6605	7579158.4660	68.30886	-149.35701	124			153.04
AGP101145	Trevor Creek		402068.0046	7576368.8458	68.28361	-149.37215	128			154.12
AGP101150	Atigun River Trib 1		399834.7150	7571960.1251	68.24333	-149.42200				
AGP101155	Atigun River Trib 2		400461.4327	7569541.3922	68.22187	-149.40458				
AGP101160	Atigun River		400352.7032	7568687.2314	68.21418	-149.40640	252			
AGP101165	Atigun River Trib 3		399975.4061	7568143.4694	68.20917	-149.41499				
AGP101170	Atigun River Trib 4		398866.7789	7563760.3508	68.16951	-149.43755				
AGP101175	Atigun River Trib 5		398349.1250	7560428.4706	68.13947	-149.44683				
AGP101180	West Fork North Fork Chandalar River		394397.3338	7557699.3880	68.11358	-149.53914				170.70
AGP101185	North Fork Chandalar River Trib 1		393622.3055	7554952.6396	68.08868	-149.55502				
AGP101190	Andy's Creek		389258.0467	7549257.5752	68.03600	-149.65383	141			175.50
AGP101195	Dietrich River		387426.3925	7548633.2600	68.02970	-149.69701				
AGP101200	Dietrich River Trib 2		386303.7540	7547722.8801	68.02110	-149.72291				

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP101300	Dietrich River Trib 3		385396.9731	7546620.0019	68.01086	-149.74342				
AGP101300.00	Unnamed		384339.9775	7542071.3080	67.96969	-149.76382				
AGP101300.10	Nutirwik Creek		382524.3888	7538326.9141	67.93541	-149.80309	147			
AGP101300.20	Dietrich River Trib 4		381922.3098	7532884.2255	67.88641	-149.81154				
AGP101300.30	Dietrich River Trib 5		381570.6654	7528176.3506	67.84409	-149.81480				
AGP101300.40	Dietrich River Trib 6		381042.2629	7526329.9585	67.82733	-149.82534				
AGP101300.50	Dietrich River Trib 7		381742.0229	7522395.6711	67.79237	-149.80451				
AGP101300.60	Dietrich River Trib 8		382764.9613	7520515.2687	67.77593	-149.77828				
AGP101300.70	Number Lakes Creek		383424.3956	7518151.5321	67.75502	-149.76018	158			
AGP101300.80	Number Lakes Creek		383423.9923	7518122.4220	67.75476	-149.76016	158			
AGP101300.90	Snowden Pond		383501.6851	7517653.6766	67.75059	-149.75783	159			197.86
AGP101305.00	Snowden Creek		383864.0826	7516256.8257	67.73822	-149.74780	2			198.56
AGP101305.10	Dietrich Trib 9		384197.3641	7515204.2945	67.72893	-149.73882				200.00
AGP101305.20	Dietrich Trib 10		384495.9780	7513872.2778	67.71711	-149.73038				
AGP101305.30	Disaster Creek		384841.4691	7512287.3454	67.70305	-149.72058	4			201.43
AGP101305.40	Dietrich Trib 12		384800.2124	7510570.4452	67.68765	-149.71977				
AGP101305.50	Dietrich Trib 13		385101.0831	7509073.6600	67.67435	-149.71113				
AGP101305.60	Brockman Creek		385266.1239	7507416.9067	67.65957	-149.70554	7			204.08
AGP101305.70	Dietrich River		383732.6279	7505936.5081	67.64571	-149.74011	8			205.34
AGP101305.80	Middle Fork Koyukuk	334-40-11000-2125-3912	381675.3858	7503225.7504	67.62060	-149.78565	222			208.01
AGP101305.90	Marsh Creek		381361.7127	7499816.1390	67.58992	-149.78941	13			210.94
AGP101310.00	Linda Creek		378628.8410	7492084.6731	67.51954	-149.84523				215.31
AGP101310.10	Gold Creek		378334.3174	7491294.3359	67.51234	-149.85128	14			215.81
AGP101310.20	Sheep Creek		377917.9988	7490128.6527	67.50173	-149.85976	16			216.59
AGP101310.30	Nugget Creek		377208.5627	7488819.5320	67.48971	-149.87493	18			217.50
AGP101310.40	Rainbow Gulch		373995.9432	7486527.1293	67.46782	-149.94748				
AGP101310.50	Unnamed		373189.0594	7486125.0513	67.46387	-149.96587				
AGP101310.55	Unnamed		373137.6141	7486120.0360	67.46380	-149.96707				
AGP101310.60	Coon Gulch		371985.3292	7485790.0492	67.46035	-149.99360				
AGP101310.70	Unnamed		371417.6299	7485615.7359	67.45854	-150.00666				
AGP101310.80	Montana Gluch		370616.5663	7485369.5151	67.45599	-150.02507				
AGP101310.90	Bluff Gulch		369370.0987	7484438.4316	67.44710	-150.05310				
AGP101315.00	Minnie Creek	334-40-11000-2125-3912-4128	368150.7041	7481493.1506	67.42018	-150.07813				225.76
AGP101315.10	Confusion Creek (North Fork)		367444.9597	7479571.4815	67.40265	-150.09235				227.39

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP101315.20	Confusion Creek (South Fork)		367342.0409	7479398.9331	67.40106	-150.09454				227.39
AGP101315.30	Dry Gulch		365837.4902	7475606.8203	67.36642	-150.12512				
AGP101315.40	Marion Creek		363917.1799	7470479.0199	67.31962	-150.16369				233.26
AGP101315.50	Slate Creek	334-40-11000-2125-3912-4100	363664.0435	7463525.6028	67.25723	-150.16134				237.57
AGP101315.60	Middle Fork Koyukuk Tributary		362368.7860	7461255.7741	67.23631	-150.18862				
AGP101315.70	Rosie Creek	334-40-11000-2125-3912-4084	358853.9982	7457060.1695	67.19709	-150.26479				242.89
AGP101315.80	Rosie Creek Tributary		358262.9226	7456515.4321	67.19194	-150.27777				
AGP101315.90	unnamed		357229.6709	7455125.1864	67.17900	-150.29991				
AGP101320.00	unnamed		357006.1563	7454939.0262	67.17722	-150.30484				
AGP101320.10	unnamed		355254.5381	7453753.1170	67.16576	-150.34376				245.53
AGP101320.20	Trent's Trickle		355202.8640	7451875.4343	67.14892	-150.34262				246.26
AGP101320.30	N.F. Windy Arm		355179.5348	7449980.7743	67.13194	-150.34081				248.19
AGP101320.40	N.F. Windy Arm		355106.9331	7449696.8666	67.12937	-150.34213				248.19
AGP101320.50	Tributary to N.F. Windy Arm		355243.1777	7447968.2015	67.11395	-150.33686				
AGP101320.60	Tributary to N.F. Windy Arm		355339.3941	7447614.6890	67.11083	-150.33421				
AGP101320.70	Chapman Creek		355351.6052	7446322.3060	67.09927	-150.33234				250.50
AGP101320.80	Drainage from Lake to Chapman Creek		354890.7235	7443852.7963	67.07693	-150.33988				
AGP101320.90	Tributary to SF Koyukuk		355848.0639	7440239.1912	67.04503	-150.31346				
AGP101325.00	Tributary to SF Koyukuk		356175.4877	7439331.8941	67.03706	-150.30485				
AGP101325.10	South Fork Koyukuk	334-4011000-2125-3740	357078.6976	7437269.9859	67.01902	-150.28164				256.26
AGP101325.20	Tributary to SF Koyukuk		357129.4567	7436765.4407	67.01453	-150.27987				
AGP101325.30	East Fork Abba Dabba Creek		356041.9305	7434152.9102	66.99061	-150.30160				258.39
AGP101325.40	Tributary to Abba Dabba Creek		355904.5203	7433974.4874	66.98895	-150.30453				
AGP101325.50	Tributary to Abba Dabba Creek		355800.4201	7433838.0080	66.98768	-150.30675				

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP101325.60	Tributary to Abba Dabba Creek		355703.1099	7433711.1711	66.98650	-150.30882				
AGP101325.70	Tributary to Abba Dabba Creek		355152.8145	7433160.1430	66.98130	-150.32074				
AGP101325.80	Tributary to Abba Dabba Creek		354532.3931	7432561.9721	66.97565	-150.33420				
AGP101325.90	Tributary to Abba Dabba Creek		354435.2057	7432470.4933	66.97478	-150.33631				
AGP101330.00	Tributary to Abba Dabba Creek		354194.4001	7432236.9859	66.97257	-150.34153				
AGP101330.10	Tributary to Abba Dabba Creek		354151.8690	7432198.4329	66.97221	-150.34246				
AGP101330.20	Tributary to Abba Dabba Creek		353516.0203	7431588.9968	66.96644	-150.35625				
AGP101330.30	Feeder to Grayling Lake		352915.9808	7431374.1649	66.96423	-150.36970				
AGP101330.40	Feeder to Grayling Lake		352512.8124	7431194.4648	66.96242	-150.37869				
AGP101330.50	Unnamed		351885.7368	7430847.0382	66.95901	-150.39259				
AGP101330.60	Tributary to Grayling Creek		351246.3626	7430095.5893	66.95196	-150.40627				
AGP101330.70	Tributary to Grayling Creek		350947.0655	7429684.6776	66.94814	-150.41259				
AGP101330.80	Tributary to Grayling Creek		350339.2392	7427880.5788	66.93168	-150.42421				
AGP101330.90	Tributary to Grayling Creek		350023.2040	7427203.5977	66.92547	-150.43057				
AGP101335.00	Tributary to Jim River		347796.6114	7424166.4243	66.89716	-150.47751				
AGP101335.10	Tributary to Jim River		346168.8344	7423020.8873	66.88609	-150.51314				
AGP101335.20	Jim River	334-40-11000-2125-3740-4080	346212.1599	7422679.0054	66.88305	-150.51171				268.12
AGP101335.30	Dee Creek		345891.0958	7421845.9740	66.87543	-150.51796				269.00
AGP101335.40	Tributary to Dee Creek		346220.5300	7421634.6251	66.87370	-150.51018				
AGP101335.50	Tributary to Dee Creek		345589.4510	7421438.9951	66.87163	-150.52430				
AGP101335.60	Tributary to Dee Creek		345427.7171	7421289.5943	66.87021	-150.52779				
AGP101335.70	Tributary to Dee Creek		345076.6732	7420881.5267	66.86638	-150.53526				
AGP101335.80	Tributary to Dee Creek		345007.3027	7420703.8507	66.86475	-150.53660				
AGP101335.90	Douglas Creek	334-40-11000-2125-3740-4080-5062	344747.9286	7419973.2607	66.85808	-150.54156				270.45

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP101340.00	Jim River Side Channel #1	334-40-11000-2125-3740-4080	343617.4344	7418131.8622	66.84101	-150.56489	223			271.62
AGP101340.10	Unnamed		340700.3296	7415804.5229	66.81867	-150.62814				
AGP101340.20	Unnamed		340381.6094	7415050.4640	66.81175	-150.63438				
AGP101340.30	Unnamed		339896.7064	7414231.9044	66.80417	-150.64431				
AGP101340.40	Unnamed		338764.4272	7412491.1527	66.78799	-150.66769				
AGP101340.50	Prospect Creek	334-40-11000-2125-3740-4080-5030	338751.9464	7411450.1886	66.77866	-150.66658	224			277.14
AGP101340.60	Tributary to Prospect Creek		338784.5834	7410959.8502	66.77429	-150.66518				
AGP101340.70	Little Nasty Creek		338794.1791	7404497.2092	66.71644	-150.65636	162			162.00
AGP101340.80	S.F. Little Nasty Creek		338895.1577	7404037.4269	66.71238	-150.65347	27			27.00
AGP101340.90	Unnamed		339208.7258	7402961.3890	66.70291	-150.64495				
AGP101345.00	N.F. Bonanza Creek		338970.5607	7400690.9395	66.68246	-150.64733	28			284.20
AGP101345.10	Oxbow Lake System (North)		338618.8024	7399268.1685	66.66954	-150.65339	29			
AGP101345.20	Oxbow Lake System (South)		338603.0490	7399202.3346	66.66894	-150.65366	29			285.53
AGP101345.30	S.F. Bonanza Creek		338478.2095	7398218.3176	66.66006	-150.65518	30			286.01
AGP101345.40	Pung's Crossing Creek		337284.0807	7392652.5880	66.60961	-150.67472	31			289.63
AGP101345.50	Alder Mountain Creek		335105.1816	7388337.9548	66.56982	-150.71801				293.22
AGP101345.60	Fish Creek		334912.5078	7385885.2549	66.54777	-150.71905				294.91
AGP101345.70	Middle Fork Fish Creek		334862.7254	7383337.8005	66.52493	-150.71676				296.34
AGP101345.80	South Fork Fish Creek		334983.7236	7381651.7871	66.50990	-150.71179				297.42
AGP101345.90	Tributary to Kanuti River		337319.7008	7377301.7566	66.47220	-150.65366				
AGP101350.00	Tributary to Kanuti River		337314.5908	7376644.8982	66.46631	-150.65292				
AGP101350.10	Kanuti River		338164.6723	7373771.0294	66.44103	-150.63013	32			302.92
AGP101350.20	Caribou Mountain Creek		341387.3617	7370004.3599	66.40896	-150.55322	163			306.22
AGP101350.30	Tributary to Olson's Lake Creek		343156.7931	7366929.3191	66.38232	-150.50981				
AGP101350.40	Olson's Lake Creek		343469.2946	7366454.5621	66.37823	-150.50224				308.56
AGP101350.50	Tributary to W.F. of Dall River		345757.3103	7361530.7872	66.33528	-150.44510				
AGP101350.60	Tributary to W.F. of Dall River		346603.3727	7360420.2857	66.32575	-150.42489				
AGP101350.70	Finger Mountain Creek		347480.2499	7358303.1217	66.30722	-150.40278	33			312.13

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP101350.80	Middle Branch Finger Mountain Creek		347632.3786	7357866.5322	66.30338	-150.39887				
AGP101350.90	South Branch Finger Mountain Creek		347971.0285	7357143.3580	66.29707	-150.39046				
AGP101355.00	Middle Branch W.F. Dall River		349661.8752	7353755.2813	66.26754	-150.34879	34			315.24
AGP101355.10	South Branch W.F. Dall River		350796.7252	7351995.4648	66.25233	-150.32148	164			317.59
AGP101355.20	unnamed		351276.5810	7350944.0965	66.24314	-150.30959				
AGP101355.30	Northwest Branch of Tributary to Fort Hamlin Hills Creek		352812.4352	7348718.4127	66.22393	-150.27289				
AGP101355.40	Fed Creek		355218.9134	7343725.4677	66.18032	-150.21379	35			325.25
AGP101355.42	N.F. Ray River		356978.1602	7336472.6408	66.11616	-150.16668	36			329.29
AGP101355.45	Tributary to N.F. Ray River		357060.1246	7333314.7447	66.08791	-150.16135				
AGP101355.48	Tributary to N.F. Ray River		356811.4675	7331307.9725	66.06982	-150.16460				
AGP101355.50	Fort Hamlin Hills Creek		358136.0455	7326639.4598	66.02859	-150.13023	37			336.18
AGP101355.60	Tributary to Ray River		359415.8574	7325370.1222	66.01779	-150.10066				
AGP101355.70	Tributary to Ray River		362721.0448	7322349.1603	65.99218	-150.02467				
AGP101355.80	Tributary to Ray River		363857.7758	7320461.8098	65.97576	-149.99768				
AGP101355.90	Tributary to Ray River		365318.1716	7318839.4413	65.96184	-149.96390				
AGP101360.00	Phelps Creek		367272.2346	7317255.6629	65.94848	-149.91934	38			344.99
AGP101360.10	unnamed		370118.4291	7315443.2477	65.93341	-149.85502				
AGP101360.20	Woodchopper Creek		373839.5231	7311655.2860	65.90096	-149.76967	165			350.50
AGP101360.30	Burbot Creek		374800.1936	7310573.1112	65.89164	-149.74757				351.58
AGP101360.40	Yukon River	334-40-11000	376008.6985	7309073.9612	65.87868	-149.71966				353.07
AGP101400	Tributary to Isom		384163.1497	7301270.2346	65.81180	-149.53412				
AGP101500	Tributary to Isom		385709.9245	7300035.5745	65.80129	-149.49925	39			362.72
AGP101600	Isom Creek		386860.5802	7299503.9419	65.79693	-149.47366	40			362.76
AGP101605	Tributary of Hess Creek		389895.4378	7296312.5052	65.76938	-149.40471				
AGP101610	Tributary of Hess Creek		391768.4173	7294561.8273	65.75433	-149.36241				
AGP101615	Tributary of Hess Creek		392772.8139	7293366.9992	65.74395	-149.33953				
AGP101620	Hot Cat Creek		394772.3364	7291920.4341	65.73165	-149.29480	41			370.53

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP101625	Tributary of Hess Creek		396901.3445	7290313.7338	65.71793	-149.24716				
AGP101630	Tributary of Hess Creek		398591.1501	7290202.1245	65.71747	-149.21028				
AGP101635	Tributary of Hess Creek		399849.5030	7289305.4680	65.70982	-149.18220				
AGP101640	Hess Creek Slough		404260.9567	7285989.8330	65.68144	-149.08376				
AGP101645	Fish Creek		404503.8486	7285298.8614	65.67532	-149.07798	166			378.39
AGP101650	Hess Creek		404664.0849	7285003.0219	65.67271	-149.07429	42			378.57
AGP101700	Branch of Erikson Creek 2		408353.8994	7280361.7609	65.63217	-148.99087	43			382.50
AGP101800	Erikson Creek 1		410229.2759	7277699.7037	65.60882	-148.94837	44			384.37
AGP101810	Tributary to Erikson Creek		413600.4268	7273701.9893	65.57389	-148.87267				
AGP101820	Lost Creek		417142.1403	7267869.3481	65.52251	-148.79235	45			392.05
AGP101830	Tributary to W.F. of Tolovana		421049.3059	7264749.3131	65.49551	-148.70605				
AGP101840	Tolovana River		424355.4452	7260848.3702	65.46131	-148.63246	46			398.56
AGP101850	Shorty Creek		425841.1000	7258757.0401	65.44289	-148.59927				
AGP101860	Tributary of Tolovana River		424786.1046	7260133.3676	65.45499	-148.62277				
AGP101900	Wilbur Creek		430089.5819	7254675.7712	65.40723	-148.50558	47			405.51
AGP102000	Tributary to Wilbur Creek		430905.6876	7253410.6979	65.39605	-148.48737				
AGP102005	Slate Creek		433938.0780	7250257.1442	65.36840	-148.42059	48			408.36
AGP102010	Tributary to Tatalina River		437113.1254	7245396.7602	65.32543	-148.35010				
AGP102015	Tributary to Tatalina River		441957.9282	7242414.8087	65.29957	-148.24486				
AGP102020	Tributary to Globe Creek		443480.9032	7240781.5134	65.28519	-148.21153				
AGP102025	Globe Creek		444215.7114	7240072.6843	65.27895	-148.19549	49			417.41
AGP102030	Little Globe Creek		446502.7101	7236392.4519	65.24632	-148.14506				
AGP102035	Tributary to Little Globe Creek		446546.4234	7236243.3475	65.24499	-148.14407				
AGP102040	Little Globe Creek		446748.2548	7234292.4577	65.22752	-148.13900				
AGP102045	N.F. Aggie Creek		446937.1865	7231728.5554	65.20455	-148.13397	50			423.68
AGP102050	S.F. Aggie Creek		447359.4288	7230494.5604	65.19355	-148.12448				424.44

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AGP102055	Tributary of Washington Creek		454882.7645	7222642.9120	65.12423	-147.96125				
AGP102060	Washington Creek		454941.8282	7222578.4783	65.12366	-147.95997	51			431.76
AGP102065	Tributary of Chatanika River		458587.1846	7218608.0565	65.08851	-147.88114				
AGP102070	Shocker Creek		461084.1886	7216456.7031	65.06951	-147.82741	52			437.35
AGP102075	Chatanika River	334-40-11000-2490-3151-4020	462143.1245	7215789.2427	65.06365	-147.80472	225			438.15
AGP102080	Treasure Creek		466176.5377	7211286.6397	65.02369	-147.71791	53			442.18
AGP102200	Million Dollar Creek		505322.2364	7161329.6387	64.57710	-146.88889				485.35
AGP102210	Tributary to Little Salcha		507461.4791	7158753.5305	64.55395	-146.84436				489.68
AGP102220	Unnamed		508801.6975	7156713.0027	64.53560	-146.81653				
AGP102230	Little Salcha River	334-40-11000-2490-3325	509634.8030	7155616.3648	64.52574	-146.79924				490.84
AGP102300	Kanpeover Creek		512022.2619	7153748.9947	64.50891	-146.74964				491.94
AGP102400	Tributary to Salcha River		515699.0294	7151429.5292	64.48795	-146.67333				
AGP102410	Salcha River	334-40-11000-2490-3329	516142.5321	7150552.7148	64.48006	-146.66419				495.83
AGP102420	Tributary to Salcha River		518169.6054	7150187.8874	64.47668	-146.62207				
AGP102500	Redmond Creek	334-40-11000-2490-3329-4050	522176.4823	7148914.8517	64.46502	-146.53893				500.20
AGP102505	Tributary to Flat Creek		528781.7983	7144758.0912	64.42723	-146.40241				
AGP102510	Tributary to Flat Creek		529677.1211	7144399.8289	64.42394	-146.38390				
AGP102515	Tributary to Flat Creek; NWP Small Creek		530902.2768	7143907.8768	64.41941	-146.35857				
AGP102520	Gold Run Creek		531569.0984	7143348.0046	64.41433	-146.34485				507.03
AGP102525	N.F. Minton Creek		533519.4196	7141394.0356	64.39661	-146.30482				508.79
AGP102530	N.F. Minton Creek		533952.0999	7141195.5684	64.39479	-146.29589				
AGP102535	Minton Creek		534935.2391	7140519.6640	64.38862	-146.27567				
AGP102540	Minton Creek		534945.8498	7140477.3966	64.38824	-146.27546				
AGP102545	S.F. Minton Creek		535439.5984	7139979.1273	64.38372	-146.26534				
AGP102555	S.F. Minton Creek		535996.2778	7139686.5802	64.38104	-146.25387				
AGP102560	S.F. Minton Creek		537058.2522	7138871.5287	64.37361	-146.23207				512.30
AGP102565	Rosa Creek		538396.0995	7137645.7950	64.36246	-146.20466				
AGP102570	Rosa Creek		538565.1910	7137640.6939	64.36240	-146.20116				

Stream Crossing Locations and Cross References
 AGPPT Gas Pipeline Project

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP102575	Rosa Creek		538926.2138	7137544.7731	64.36150	-146.19371				
AGP102580	Rosa Creek		539435.7641	7136933.0578	64.35595	-146.18332				
AGP102585	Shaw Creek	334-40-11000-2490-3375	544953.7539	7127576.9913	64.27132	-146.07189	250			250.31
AGP102600	Tanana River Side Channel	334-40-11000-2490	558465.0731	7117080.8726	64.17512	-145.79710				531.15
AGP102700-A	Tributary of Clearwater Creek		575574.8756	7093471.8925	63.96001	-145.45698			1412.00	
AGP102800-A	Tributary of Sawmill Creek		577493.2097	7092373.5112	63.94973	-145.41838			1410.62	
AGP102900-A	Granite Creek		579196.7980	7091378.5522	63.94042	-145.38414			1409.39	
AGP103000-A	Rhoads Creek		581088.8197	7090288.5772	63.93021	-145.34614			1408.00	
AGP103000-B	Rhoads Creek		581614.6184	7089974.5164	63.92727	-145.33559			1407.60	
AGP103100-A	Sawmill Creek		586751.2847	7086989.8301	63.89926	-145.23257			1404.00	
AGP103110	Gerstle River		602641.7924	7078425.5643	63.81814	-144.91477			1392.65	
AGP103200	Tributary of Gerstle River		605907.7746	7076790.6030	63.80250	-144.84959		5-174	1390.45	
AGP103300	Little Gerstle River		608800.7679	7075275.8525	63.78803	-144.79196			1388.50	
AGP103350	Johnson River		616264.3225	7066116.6386	63.70351	-144.64749		5-175	1380.44	
AGP103400	Dry Creek		619679.3201	7064508.7302	63.68795	-144.57969		5-176	1378.06	
AGP103500	Unnamed		621518.6300	7064156.6835	63.68416	-144.54281		5-176.01	1377.11	
AGP103600	Sears Creek		625348.7357	7064528.2015	63.68615	-144.46515		5-177	1376.23	
AGP103700	Tributary of Tanana River		627462.2836	7064781.4439	63.68767	-144.42226			1373.00	
AGP103800	Tributary of Tanana River		628351.6714	7064875.3751	63.68818	-144.40422			1373.72	
AGP103900	Berry Creek		630369.6287	7065025.8004	63.68879	-144.36333		5-178	1371.46	
AGP104000	Tributary of Tanana River		632881.6154	7065797.6382	63.69477	-144.31194			1369.69	
AGP104100	Tributary of Tanana River		633583.8584	7065674.3642	63.69340	-144.29786		5-179	1369.21	
AGP104300	Tributary of Tanana River		640848.4465	7063969.2665	63.67529	-144.15266		5-181	1364.48	
AGP104400	unnamed		644262.9688	7062831.5133	63.66371	-144.08478		5-182	1361.79	
AGP104450	unnamed		644345.2185	7062787.1526	63.66328	-144.08317		5-183	1361.86	
AGP104500	unnamed		646633.2422	7060715.4293	63.64377	-144.03894			1359.88	
AGP104600	Chief Creek		648066.0971	7059319.2200	63.63066	-144.01137		5-184	1358.66	
AGP104700	Bear Creek		649484.2817	7057677.4199	63.61535	-143.98435		5-185	1357.90	

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP104800	Tributary of Tanana River		657605.1992	7039540.8356	63.44930	-143.83888		5-190	1344.00	
AGP104900	Tributary of Tanana River		658021.3191	7038581.0854	63.44051	-143.83150			1343.44	
AGP105000	Sheep Creek		658806.4176	7036772.7816	63.42396	-143.81758		6-191	1342.20	
AGP105100	Tributary of Tanana River		659607.5199	7034955.0579	63.40731	-143.80337			1341.00	
AGP105200	Tributary of Tanana River		660307.9201	7033585.2588	63.39473	-143.79075		6-193.01	1340.00	
AGP105250	Tributary of Tanana River		661350.0063	7032775.6593	63.38700	-143.77074			1339.29	
AGP105300	Cathedral Creeks		661553.8319	7032654.0153	63.38582	-143.76679			1339.17	
AGP105450	Cathedral Rapids #2		662211.6439	7032458.6349	63.38377	-143.75385			1338.80	
AGP105500	Cathedral Rapids #1		663092.6170	7032328.0269	63.38220	-143.73639			1338.26	
AGP105600	Yennick Creek		669310.6275	7031745.2290	63.37408	-143.61283		6-201	1333.66	
AGP105700	Moon Lake Creek		672659.6111	7031244.6761	63.36800	-143.54652			1332.00	
AGP105750	Unnamed		676298.7181	7031082.1570	63.36476	-143.47407			1329.42	
AGP105800-R13	Tok River side slough		704855.0625	7031071.0400	63.34944	-142.90459			1312.00	
AGP105900-R13	Tok River		707792.4456	7030624.2117	63.34374	-142.84663			1310.00	
AGP105950-R13	Tanana River		715501.5282	7030313.8317	63.33641	-142.69347		6-207A,B,C; 6-208	1305.00	
AGP106000-R13	Tributary of Tanana River		719524.7273	7029451.0561	63.32624	-142.61453			1302.50	
AGP106010-R13	Unnamed		723854.3670	7026340.9706	63.29573	-142.53267			1299.00	
AGP106020-R13	unnamed		723908.5418	7026307.5493	63.29540	-142.53164				
AGP106100	Tributary of Tanana River		725188.9255	7025097.4115	63.28377	-142.50787			1297.89	
AGP106150	Tributary of Tanana River		725373.7477	7024910.5368	63.28198	-142.50445			1297.79	
AGP106200	Tributary of Tanana River		726544.7204	7023722.2965	63.27061	-142.48285			1296.75	
AGP106300	Tributary of Tanana River		728254.5197	7022248.8590	63.25635	-142.45097			1295.30	
AGP106350	Tributary of Tanana River		729207.8752	7021601.6234	63.24995	-142.43295			1294.50	
AGP106400	Tributary of Tanana River		731451.8055	7021407.2229	63.24677	-142.38869			1293.00	
AGP106500	unnamed		734562.5316	7020369.0229	63.23546	-142.32847			1290.65	
AGP106600	unnamed		738564.2355	7020124.1929	63.23064	-142.24945			1287.75	
AGP106610	unnamed		739495.5536	7019789.1049	63.22703	-142.23148			1287.40	

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP106620	unnamed		739514.7367	7019778.8093	63.22692	-142.23112			1287.30	
AGP106700	unnamed		740500.9016	7018927.8508	63.21865	-142.21282			1286.45	
AGP106800-R13	Unnamed		741510.7674	7017919.9463	63.20896	-142.19431				
AGP106900	Tributary of Tanana River		743569.6695	7015391.7893	63.18496	-142.15730			1283.40	
AGP106900-A	Tributary of Tanana River		743355.2942	7015116.8430	63.18265	-142.16195			1283.20	
AGP106900-B	Tributary of Tanana River		743450.6587	7015026.3048	63.18178	-142.16020			1283.10	
AGP106900-C	Tributary of Tanana River		743701.7284	7014826.3525	63.17982	-142.15553			1283.00	
AGP106910	Tributary of Tanana River		743756.8971	7015262.7125	63.18368	-142.15379			1283.30	
AGP107000	Tributary of Tanana River		746111.6144	7013769.1074	63.16873	-142.10943			1281.16	
AGP107000-A	Tributary of Tanana River		746072.4460	7013733.9525	63.16844	-142.11026			1281.16	
AGP107100	Bitter Creek		747217.4491	7012900.7112	63.16020	-142.08887		6-212	1280.32	
AGP107100-A	Bitter Creek		747086.5259	7012914.6463	63.16042	-142.09144			1280.32	
AGP107200	Tributary of Tanana River		748953.6330	7010420.4563	63.13683	-142.05832			1278.40	
AGP107200-A	Tributary of Tanana River		748572.5286	7010272.4310	63.13577	-142.06607			1278.40	
AGP107300	Tributary of Tanana River		751160.5854	7007933.4173	63.11306	-142.01853			1275.47	
AGP107300-A	Tributary of Tanana River		751160.9054	7007770.1499	63.11160	-142.01877			1275.50	
AGP107400	Tributary of Tanana River		753823.4597	7005385.6774	63.08843	-141.96990			1273.00	
AGP107400-A	Unnamed		753811.3967	7005266.7789	63.08737	-141.97033			1273.00	
AGP107500	Unnamed		755150.4389	7004339.1371	63.07814	-141.94536			1272.00	
AGP107500-A	Unnamed		755108.5731	7004291.4918	63.07774	-141.94626			1272.00	
AGP107600	Tributary of Tanana River		756818.4891	7002939.8059	63.06445	-141.91466			1270.34	
AGP107600-A	Unnamed		756882.6626	7003164.6789	63.06641	-141.91304			1270.34	
AGP107700	Beaver Creek		760057.4610	7002014.1501	63.05386	-141.85229		6-215	1268.14	
AGP107700-A	Beaver Creek		760013.5573	7001897.0036	63.05284	-141.85334			1268.14	
AGP107800	Tributary of the Chisana River		762283.8049	7000605.9548	63.03967	-141.81068			1266.48	

URS Corporation
 2700 Gambell Street Suite 200
 Anchorage, AK 99503

Stream Crossing Locations and Cross References
 AGPPT Gas Pipeline Project

Contact Dave Erikson
 (907) 261 9750

Stream Reference	Stream Name	ADFG_ref	X_COORD	Y_COORD	LAT_DD	LON_DD	TAPS DBS ID	NWI_ID	AK Hwy_MP	TAPS Milepost
AGP107800-A	Tributary of the Chisana River		761542.5720	7000523.0455	63.03946	-141.82541			1266.48	
AGP107900-A	unnamed		765839.4095	6997497.3240	63.00930	-141.74570			1262.17	
AGP108000	Silver Creek		769515.2789	6995550.9807	62.98919	-141.67660		6-217	1259.14	
AGP108000-A	Silver Creek		769869.1671	6994944.8069	62.98351	-141.67064			1258.72	
AGP108100	unnamed		771173.6336	6994051.5146	62.97456	-141.64647			1257.57	
AGP108200	unnamed		772026.4106	6993048.6441	62.96496	-141.63138			1256.68	
AGP108300	Unnamed		774109.4123	6991216.0399	62.94702	-141.59352			1254.90	
AGP108400	Ten Mile Creek		776186.5475	6988922.6450	62.92496	-141.55659		6-218	1252.83	
AGP108450	Gardiner Creek		781904.8580	6982692.0437	62.86492	-141.45506		6-219	1247.00	
AGP108550-R13	Unnamed		788658.7502	6978103.3057	62.81866	-141.33091			1241.33	
AGP108850-R13	Unnamed		795813.2104	6971263.6107	62.75187	-141.20330			1235.00	
AGP109000-R13	Sweetwater Creek		796455.7702	6969762.0783	62.73795	-141.19343		6-225	1234.26	
AGP109100	Island Lake Creek		798598.5115	6966943.6056	62.71104	-141.15671			1231.45	
AGP109200	Unnamed		799680.8636	6965566.0385	62.69786	-141.13811			1230.23	
AGP109300	Desper Creek		804427.0571	6961824.5760	62.66057	-141.05259		6-226	1225.57	
AGP109400	Scottie Creek		805919.0867	6959543.8928	62.63897	-141.02774		6-227	1223.40	
AGP109450	Little Scottie Creek		806343.8630	6958548.8599	62.62974	-141.02130			1222.69	

Date	Stream Reference	Stream Name	Arctic Grayling	Arctic Grayling_len	Dolly Varden	Dolly_len	Round Whitefish	WRD_len	Burbot	Burbot_len	Stickleback	Stickleback_len	Slimy Sculpin	Sculpin_len
21-Jul-01	AGP100000.00	Trib of Putuligayuk River	X		X		X		X		X		X	
21-Jul-01	AGP100000.10	Putuligayuk River	X		X		X		X		X		X	
21-Jul-01	AGP100000.20	Trib of Putuligayuk River	X		X		X		X		U	45, 50, 60	X	
21-Jul-01	AGP100000.30	Trib of Putuligayuk River	X		X		X		X		X		X	
21-Jul-01	AGP100000.40	Trib of Putuligayuk River	X		X		X		X		X		X	
15-Jul-01	AGP100000.50	Trib of Putuligayuk River	X		X		X		X		X		X	
17-Jul-01	AGP100000.60	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100000.70	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100000.80	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100000.90	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.00	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.10	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.20	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.30	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.40	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.50	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.60	Trib of Kuparak River	X		X		X		X		X		X	
17-Jul-01	AGP100005.70	Trib of Kuparak River	X		X		X		X		X		X	
19-Jul-01	AGP100005.80	Trib of Toolik River	C	dozen fr	X		X		X		X		X	
16-Jul-01	AGP100005.90	Trib of Toolik River	X		X		X		X		X		X	
16-Jul-01	AGP100010.00	Trib of Toolik River	X		X		X		X		X		X	
16-Jul-01	AGP100010.10	Trib of Toolik River	X		X		X		X		X		X	
16-Jul-01	AGP100010.20	Trib of Toolik River	X		X		X		X		X		X	
16-Jul-01	AGP100010.30	Trib of Toolik River	X		X		X		X		X		X	
14-Jul-01	AGP100010.40	Trib of Toolik River	X		X		X		X		X		X	
14-Jul-01	AGP100010.50	Trib of Toolik River	X		X		X		X		X		X	
14-Jul-01	AGP100010.60	Trib of Toolik River	X		X		X		X		X		X	
14-Jul-01	AGP100010.70	Trib of Toolik River	X		X		X		X		X		X	
14-Jul-01	AGP100010.80	Trib of Toolik River	X		X		X		X		X		X	
14-Jul-01	AGP100010.90	Trib of Toolik River	X		X		X		X		X		X	
14-Jul-01	AGP100015.00	Trib of Sagavanirktok R	X		X		X		X		X		X	
14-Jul-01	AGP100015.10	Trib of Sagavanirktok R	X		X		X		X		X		X	
14-Jul-01	AGP100015.20	Trib of Sagavanirktok R	X		X		X		X		X		X	
14-Jul-01	AGP100100	R	X		X		X		X		X		X	
19-Jul-01	AGP100150	Spoiled Mary Creek	U	20	X		X		X		X		X	
14-Jul-01	AGP100200	Trib of Sagavanirktok R	C	*****	X		X		X		X		X	
19-Jul-01	AGP100210	Trib of Sagavanirktok R	X		X		X		X		X		X	
19-Jul-01	AGP100220	Trib of Sagavanirktok R	X		X		X		X		X		X	
19-Jul-01	AGP100230	Trib of Sagavanirktok R	X		X		X		X		X		X	
14-Jul-01	AGP100300	Trib of Sagavanirktok R	C	25,*****	U	145	X		X		X		X	
14-Jul-01	AGP100400	Trib of Sagavanirktok R	U	245, 200	X		X		X		X		X	
19-Jul-01	AGP100410	Trib of Sagavanirktok R	C	242 *****	X		X		X		X		C	65, 67 ****
19-Jul-01	AGP100420	Dan Creek	C	37 *****	X		X		X		X		C	77 *****
12-Jul-01	AGP100500	Unnamed	X		X		X		X		X		X	
12-Jul-01	AGP100600	Unnamed	X		X		X		X		X		X	
15-Jul-01	AGP100700	Gustafson Gulch (Main)	X		X		X		X		X		X	
12-Jul-01	AGP100800	Gustafson Gulch (Trib)	X		X		X		X		X		X	
15-Jul-01	AGP100805	Unnamed	X		X		X		X		X		X	
16-Jul-01	AGP100810	Polygon Creek (Trib)	X		X		X		X		X		X	
16-Jul-01	AGP100815	Polygon Creek (Main)	U	244	X		X		X		X		X	
16-Jul-01	AGP100820	Poison Pipe Creek	U	227	X		X		X		X		X	
16-Jul-01	AGP100825	Climb Creek	X		X		X		X		X		X	
16-Jul-01	AGP100830	Dennis Creek	X		X		X		X		X		X	
16-Jul-01	AGP100835	Dennis Creek	X		X		X		X		X		X	
16-Jul-01	AGP100840	Rudy 1	U	124, 150	X		X		X		X		X	
16-Jul-01	AGP100845	Rudy 2	U	150, 250	X		U	200	X		X		X	
18-Jul-01	AGP100850	Oksrukuyik Creek Trib 1	X		X		X		X		X		X	
18-Jul-01	AGP100855	Oksrukuyik Creek Trib 2	X		X		X		X		X		X	
17-Jul-01	AGP100860	Oksrukuyik Creek Trib 3	X		X		X		X		X		X	

Stream Reference	Stream Name	Pike	Pike_len	Chinook	Chinook_len	Longnose Sucker	Longnose_len	Other Fish	Other_Name	Other_len	Location on Crossing
AGP100000.00	Trib of Putuligayuk River	X						X			
AGP100000.10	Putuligayuk River	X						X			AGP 0.68 mi W TAPS
AGP100000.20	Trib of Putuligayuk River	X						X			
AGP100000.30	Trib of Putuligayuk River	X						X			
AGP100000.40	Trib of Putuligayuk River	X						X			
AGP100000.50	Trib of Putuligayuk River	X						X			
AGP100000.60	Trib of Kuparak River	X						X			
AGP100000.70	Trib of Kuparak River	X						X			
AGP100000.80	Trib of Kuparak River	X						X			
AGP100000.90	Trib of Kuparak River	X						X			
AGP100005.00	Trib of Kuparak River	X						X			
AGP100005.10	Trib of Kuparak River	X						X			
AGP100005.20	Trib of Kuparak River	X						X			
AGP100005.30	Trib of Kuparak River	X						X			
AGP100005.40	Trib of Kuparak River	X						X			
AGP100005.50	Trib of Kuparak River	X						X			
AGP100005.60	Trib of Kuparak River	X						X			
AGP100005.70	Trib of Kuparak River	X						X			
AGP100005.80	Trib of Toolik River	X						X			
AGP100005.90	Trib of Toolik River	X						X			
AGP100010.00	Trib of Toolik River	X						X			
AGP100010.10	Trib of Toolik River	X						X			
AGP100010.20	Trib of Toolik River	X						X			
AGP100010.30	Trib of Toolik River	X						X			
AGP100010.40	Trib of Toolik River	X						X			
AGP100010.50	Trib of Toolik River	X						X			
AGP100010.60	Trib of Toolik River	X						X			
AGP100010.70	Trib of Toolik River	X						X			
AGP100010.80	Trib of Toolik River	X						X			
AGP100010.90	Trib of Toolik River	X						X			
AGP100015.00	Trib of Sagavanirktok R	X						X			Airport/0.3 west
AGP100015.10	Trib of Sagavanirktok R	X						X			Airport/0.3 west
AGP100015.20	Trib of Sagavanirktok R	X						X			Airport/0.3 west
AGP100100	R	X						X			WSW TAPS
AGP100150	Spoiled Mary Creek	X						X			TAPS
AGP100200	Trib of Sagavanirktok R	X						X			AGP 0.38 mi W TAPS
AGP100210	Trib of Sagavanirktok R	X						X			Same as AGP100200
AGP100220	Trib of Sagavanirktok R	X						X			TAPS
AGP100230	Trib of Sagavanirktok R	X						X			AGP 0.44 SW TAPS
AGP100300	Trib of Sagavanirktok R	X						X			side of the river here
AGP100400	Trib of Sagavanirktok R	X						X			side of the river here
AGP100410	Trib of Sagavanirktok R	X						X			of Runway) TAPS in
AGP100420	Dan Creek	X						X			0.28 mi
AGP100500	Unnamed	X						X			0.81 W of Dalton
AGP100600	Unnamed	X						X			a small lake 0.54 mi
AGP100700	Gustafson Gulch (Main)	X						X			mi SE
AGP100800	Gustafson Gulch (Trib)	X						C		*****	
AGP100805	Unnamed	X						X			
AGP100810	Polygon Creek (Trib)	X						X			
AGP100815	Polygon Creek (Main)	X						X			
AGP100820	Poison Pipe Creek	X						X			
AGP100825	Climb Creek	X						X			
AGP100830	Dennis Creek	X						X			
AGP100835	Dennis Creek	X						X			
AGP100840	Rudy 1	X						X			
AGP100845	Rudy 2	X						X			
AGP100850	Oksrukuyik Creek Trib 1	X						X			AGP 4.75 NE TAPS
AGP100855	Oksrukuyik Creek Trib 2	X						X			meters) S of
AGP100860	Oksrukuyik Creek Trib 3	X						X			

Date	Stream Reference	Stream Name	Arctic Grayling	Arctic_Grayling_len	Dolly Varden	Dolly_len	Round Whitefish	WRD_len	Burbot	Burbot_len	Stickleback	Stickleback_len	Slimy Sculpin	Sculpin_len
17-Jul-01	AGP100865	Oksrukuyik Creek Trib 4	X		X		X		X		X		X	
17-Jul-01	AGP100870	Unnamed	X		X		X		X		X		X	
20-Jul-01	AGP100875	Oksrukuyik Creek	U		X		X		X		X		X	
20-Jul-01	AGP100880	Toolik River Trib	X		X		X		X		X		X	
20-Jul-01	AGP100885	Toolik River	X		X		X		X		X		X	
20-Jul-01	AGP100890	East Fork Kuparuk	X		X		X		X		X		X	
13-Jul-01	AGP100900	Kuparuk River	C	310, 314.	X		X		X		X		X	
13-Jul-01	AGP101000	Kuparuk River Trib	U	53	X		X		X		X		X	
13-Jul-01	AGP101100	Terry Creek	X		X		X		X		X		X	
20-Jul-01	AGP101105	Terry Creek	X		X		X		X		X		X	
20-Jul-01	AGP101110	Mack Creek	X		X		X		X		X		X	
20-Jul-01	AGP101115	Ed Creek	X		X		X		X		X		X	
20-Jul-01	AGP101120	Jill Creek	X		X		X		X		X		X	
20-Jul-01	AGP101125	Atigun River	NA		X		X		X		X		X	
20-Jul-01	AGP101130	Vanish/Holden Creek	U	282, 254	X		X		X		X		X	
20-Jul-01	AGP101135	Roche Moutonee Creek	U		X		X		X		X		X	
22-Jul-01	AGP101140	Mile 153 Creek	X		X		X		X		X		X	
21-Jul-01	AGP101145	Trevor Creek	U		X		X		X		X		X	
21-Jul-01	AGP101150	Atigun River Trib 1	X		X		X		X		X		X	
21-Jul-01	AGP101155	Atigun River Trib 2	X		X		X		X		X		X	
21-Jul-01	AGP101160	Atigun River	U		X		X		X		X		X	
21-Jul-01	AGP101165	Atigun River Trib 3	X		X		X		X		X		X	
22-Jul-01	AGP101170	Atigun River Trib 4	X		X		X		X		X		X	
22-Jul-01	AGP101175	Atigun River Trib 5	X		X		X		X		X		X	
22-Jul-01	AGP101180	Chandalar River	U		X		X		X		X		X	
22-Jul-01	AGP101185	Trib 1	X		X		X		X		X		X	
22-Jul-01	AGP101190	Andy's Creek	X		X		X		X		X		X	
22-Jul-01	AGP101195	Dietrich River	X		X		X		X		X		X	
13-Jul-01	AGP101200	Dietrich River Trib 2	X		X		X		X		X		X	
13-Jul-01	AGP101300	Dietrich River Trib 3	X		X		X		X		X		X	
22-Jul-01	AGP101300.00	Unnamed	X		X		X		X		X		X	
22-Jul-01	AGP101300.10	Nutirwik Creek	U		X		X		X		X		X	
22-Jul-01	AGP101300.20	Dietrich River Trib 4	X		X		X		X		X		X	
22-Jul-01	AGP101300.30	Dietrich River Trib 5	X		X		X		X		X		X	
22-Jul-01	AGP101300.40	Dietrich River Trib 6	X		X		X		X		X		X	
23-Jul-01	AGP101300.50	Dietrich River Trib 7	X		X		X		X		X		X	
22-Jul-01	AGP101300.60	Dietrich River Trib 8	X		X		X		X		X		X	
13-Jul-01	AGP101300.70	Number Lakes Creek	X		X		X		X		X		X	
13-Jul-01	AGP101300.80	Number Lakes Creek	X		X		X		X		X		X	
13-Jul-01	AGP101300.90	Snowden Pond	X		X		X		X		X		X	
13-Jul-01	AGP101305.00	Snowden Creek	X		X		X		X		X		X	
13-Jul-01	AGP101305.10	Dietrich Trib 9	X		X		X		X		X		X	
13-Jul-01	AGP101305.20	Dietrich Trib 10	X		X		X		X		X		X	
14-Jul-01	AGP101305.30	Disaster Creek	X		X		X		X		X		X	
14-Jul-01	AGP101305.40	Dietrich Trib 12	X		X		X		X		X		X	
14-Jul-01	AGP101305.50	Dietrich Trib 13	X		X		X		X		X		X	
23-Jul-01	AGP101305.60	Brockman Creek	U	115	U	167	X		X		X		X	
23-Jul-01	AGP101305.70	Dietrich River	X		X		X		X		X		X	
23-Jul-01	AGP101305.80	Middle Fork Koyukuk	C	37, 41,****	X		X		X		X		C	59, 61****
23-Jul-01	AGP101305.90	Marsh Creek	U	141, 104	X		X		X		X		C	68, 73, 96, 68
23-Jul-01	AGP101310.00	Linda Creek	C	32, 33, 28, 94, 96, 33	X		X		X		X		C	*****
23-Jul-01	AGP101310.10	Gold Creek	X		X		X		X		X		X	
23-Jul-01	AGP101310.20	Sheep Creek	U	95	X		X		X		X		X	
23-Jul-01	AGP101310.30	Nugget Creek	X		X		X		X		X		C	72, 96 ****
15-Jul-01	AGP101310.40	Rainbow Gulch	X		X		X		X		X		X	
14-Jul-01	AGP101310.50	Unnamed	X		X		X		X		X		X	
14-Jul-01	AGP101310.55	Unnamed	X		X		X		X		X		X	
14-Jul-01	AGP101310.60	Coon Gulch	X		X		X		X		X		X	
14-Jul-01	AGP101310.70	Unnamed	X		X		X		X		X		X	

Stream Reference	Stream Name	Pike	Pike_len	Chinook	Chinook_len	Longnose Sucker	Longnose_len	Other Fish	Other_Name	Other_len	Location on Crossing
AGP100865	Oksrukuyik Creek Trib 4	X						X			
AGP100870	Unnamed	X						X			
AGP100875	Oksrukuyik Creek	X						X			off the Dalton. AGP
AGP100880	Toolik River Trib	X						X			Oksrukuyik 2.3 mi SW
AGP100885	Toolik River	X						X			to N
AGP100890	East Fork Kuparuk	X						X			to N. AGP crosses
AGP100900	Kuparuk River	X						X			to NNW
AGP101000	Kuparuk River Trib	X						X			Kuparuk than TAPS
AGP101100	Terry Creek	X						X			TAPS
AGP101105	Terry Creek	X						X			TAPS
AGP101110	Mack Creek	X						X			TAPS
AGP101115	Ed Creek	X						X			TAPS
AGP101120	Jill Creek	X						X			TAPS
AGP101125	Atigun River	X						X			AGP 850' E TAPS
AGP101130	Vanish/Holden Creek	X						X			AGP 0.45 mi E TAPS
AGP101135	Roche Moutonee Creek	X						X			AGP 0.55 mi E TAPS
AGP101140	Mile 153 Creek	X						X			AGP 0.05 mi E TAPS
AGP101145	Trevor Creek	X						X			TAPS
AGP101150	Atigun River Trib 1	X						X			mile Creek
AGP101155	Atigun River Trib 2	X						X			
AGP101160	Atigun River	X						X			
AGP101165	Atigun River Trib 3	X						X			
AGP101170	Atigun River Trib 4	X						X			Communication Site
AGP101175	Atigun River Trib 5	X						X			
AGP101180	Chandalar River	X						X			
AGP101185	Trib 1	X						X			
AGP101190	Andy's Creek	X						X			AGP 0.12 mi W TAPS
AGP101195	Dietrich River	X						X			
AGP101200	Dietrich River Trib 2	X						X			
AGP101300	Dietrich River Trib 3	X						X			
AGP101300.00	Unnamed	X						X			
AGP101300.10	Nutirwik Creek	X						X			
AGP101300.20	Dietrich River Trib 4	X						X			
AGP101300.30	Dietrich River Trib 5	X						X			
AGP101300.40	Dietrich River Trib 6	X						X			
AGP101300.50	Dietrich River Trib 7	X						X			
AGP101300.60	Dietrich River Trib 8	X						X			
AGP101300.70	Number Lakes Creek	X						X			
AGP101300.80	Number Lakes Creek	X						X			
AGP101300.90	Snowden Pond	X						X			TAPS
AGP101305.00	Snowden Creek	X						X			AGP 0.33 mi E TAPS
AGP101305.10	Dietrich Trib 9	X						X			
AGP101305.20	Dietrich Trib 10	X						X			
AGP101305.30	Disaster Creek	X						X			TAPS
AGP101305.40	Dietrich Trib 12	X						X			
AGP101305.50	Dietrich Trib 13	X						X			
AGP101305.60	Brockman Creek	X						X			AGP 0.42 mi E TAPS
AGP101305.70	Dietrich River	X						X			TAPS
AGP101305.80	Middle Fork Koyukuk	X						X			TAPS
AGP101305.90	Marsh Creek	X						X			
AGP101310.00	Linda Creek	X						X			AGP 0.10 mi E TAPS
AGP101310.10	Gold Creek	X						X			AGP 0.07 mi E TAPS
AGP101310.20	Sheep Creek	X						X			TAPS
AGP101310.30	Nugget Creek	X						X			AGP 0.01 mi S TAPS
AGP101310.40	Rainbow Gulch	X						X			
AGP101310.50	Unnamed	X						X			
AGP101310.55	Unnamed	X						X			
AGP101310.60	Coon Gulch	X						X			
AGP101310.70	Unnamed	X						X			

Date	Stream Reference	Stream Name	Arctic Grayling	Arctic_Grayling_len	Dolly Varden	Dolly_len	Round Whitefish	WRD_len	Burbot	Burbot_len	Stickleback	Stickleback_len	Slimy Sculpin	Sculpin_len
14-Jul-01	AGP101310.80	Montana Gluch	X		X		X		X		X		X	
15-Jul-01	AGP101310.90	Bluff Gulch	X		X		X		X		X		X	
24-Jul-01	AGP101315.00	Minnie Creek	X		X		X		X		X		X	
24-Jul-01	AGP101315.10	Confusion Creek (North Fork)	X		X		X		X		X		X	
24-Jul-01	AGP101315.20	Confusion Creek (South Fork)	X		X		X		X		X		X	
24-Jul-01	AGP101315.30	Dry Gulch	X		X		X		X		X		X	
24-Jul-01	AGP101315.40	Marion Creek	C	333,*	X		X		X		X		X	
24-Jul-01	AGP101315.50	Slate Creek	C	*****	X		X		X		X		C	39, 57, 37, *, *
06-Aug-01	AGP101315.60	Middle Fork Koyukuk Tributary	X		X		X		X		X		X	
24-Jul-01	AGP101315.70	Rosie Creek	C	273, 340, 297 *****	X		X		X		X		X	
06-Aug-01	AGP101315.80	Rosie Creek Tributary	X		X		X		X		X		X	
24-Jul-01	AGP101315.90	unnamed	X		X		X		X		X		X	
24-Jul-01	AGP101320.00	unnamed	X		X		X		X		X		X	
24-Jul-01	AGP101320.10	unnamed	C	30, 273 ***	X		X		X		X		X	
06-Aug-01	AGP101320.20	Trent's Trickle	X		X		X		X		X		X	
24-Jul-01	AGP101320.30	N.F. Windy Arm	C	*****	X		X		X		X		C	*****
24-Jul-01	AGP101320.40	N.F. Windy Arm	C	125 *****	X		X		X		X		C	105, 85, 70 **
05-Aug-01	AGP101320.50	Tributary to N.F. Windy Arm	X		X		X		X		X		X	
05-Aug-01	AGP101320.60	Tributary to N.F. Windy Arm	X		X		X		X		X		X	
05-Aug-01	AGP101320.70	Chapman Creek	C	320 ****	X		X		X		X		X	
05-Aug-01	AGP101320.80	Chapman Creek	X		X		X		X		X		X	
05-Aug-01	AGP101320.90	Tributary to SF Koyukuk	X	NA	X		X		X		X		X	
04-Aug-01	AGP101325.00	Tributary to SF Koyukuk	X		X		X		X		X		X	
06-Aug-01	AGP101325.10	South Fork Koyukuk	C	*****	X		X		X		X		C	*****
04-Aug-01	AGP101325.20	Tributary to SF Koyukuk	X		X		X		X		X		X	
04-Aug-01	AGP101325.30	East Fork Abba Dabba Creek	X		X		C	*	X		X		X	
04-Aug-01	AGP101325.40	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
04-Aug-01	AGP101325.50	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
04-Aug-01	AGP101325.60	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
04-Aug-01	AGP101325.70	Tributary to Abba Dabba Creek	C	260mm , *****	X		X		X		X		X	
03-Aug-01	AGP101325.80	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
03-Aug-01	AGP101325.90	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
03-Aug-01	AGP101330.00	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
03-Aug-01	AGP101330.10	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
03-Aug-01	AGP101330.20	Tributary to Abba Dabba Creek	X		X		X		X		X		X	
03-Aug-01	AGP101330.30	Feeder to Grayling Lake	X		X		X		X		X		X	
03-Aug-01	AGP101330.40	Feeder to Grayling Lake	X		X		X		X		X		X	
03-Aug-01	AGP101330.50	Unnamed	C	***	X		X		X		X		X	
03-Aug-01	AGP101330.60	Tributary to Grayling Creek	X		X		X		X		X		X	
03-Aug-01	AGP101330.70	Tributary to Grayling Creek	X		X		X		X		X		X	
02-Aug-01	AGP101330.80	Tributary to Grayling Creek	X		X		X		X		X		X	
02-Aug-01	AGP101330.90	Tributary to Grayling Creek	X		X		X		X		X		X	
02-Aug-01	AGP101335.00	Tributary to Jim River	X		X		X		X		X		X	
02-Aug-01	AGP101335.10	Tributary to Jim River	X		X		X		X		X		X	
06-Aug-01	AGP101335.20	Jim River	C	*****	X		X		X		X		C	*****
10-Aug-01	AGP101335.30	Dee Creek	X		X		X		X		X		X	
16-Jul-01	AGP101335.40	Tributary to Dee Creek	X		X		X		X		X		X	
10-Aug-01	AGP101335.50	Tributary to Dee Creek	X		X		X		X		X		X	
10-Aug-01	AGP101335.60	Tributary to Dee Creek	X		X		X		X		X		X	
10-Aug-01	AGP101335.70	Tributary to Dee Creek	X		X		X		X		X		X	
10-Aug-01	AGP101335.80	Tributary to Dee Creek	X		X		X		X		X		X	
16-Jul-01	AGP101335.90	Douglas Creek	C	240,*****	X		C	*****	X		X		X	
17-Jul-01	AGP101340.00	Jim River Side Channel #1	X		X		X		X		X		X	
15-Jul-01	AGP101340.10	Unnamed	X		X		X		X		X		X	
15-Jul-01	AGP101340.20	Unnamed	X		X		X		X		X		X	
15-Jul-01	AGP101340.30	Unnamed	X		X		X		X		X		X	
15-Jul-01	AGP101340.40	Unnamed	X		X		X		X		X		X	
17-Jul-01	AGP101340.50	Prospect Creek	C	385,345,*****	X		X		U	190	X		C	65,55,55,80,**
17-Jul-01	AGP101340.60	Tributary to Prospect Creek	X		X		X		X		X		X	

Stream Reference	Stream Name	Pike	Pike_len	Chinook	Chinook_len	Longnose_Sucker	Longnose_len	Other Fish	Other_Name	Other_len	Location on Crossing
AGP101310.80	Montana Gluch	X						X			
AGP101310.90	Bluff Gulch	X						X			
AGP101315.00	Minnie Creek	X						X			AGP 0.25 mi E TAPS
AGP101315.10	Confusion Creek (North Fork)	X						X			AGP 0.20 mi E TAPS
AGP101315.20	Confusion Creek (South Fork)	X						X			TAPS
AGP101315.30	Dry Gulch	X						X			
AGP101315.40	Marion Creek	X						X			TAPS
AGP101315.50	Slate Creek	X						X			AGP 0.49 mi E TAPS
AGP101315.60	Middle Fork Koyukuk Tributary	X						X			
AGP101315.70	Rosie Creek	X						X			TAPS
AGP101315.80	Rosie Creek Tributary	X						X			TAPS
AGP101315.90	unnamed	X						X			
AGP101320.00	unnamed	X						X			
AGP101320.10	unnamed	X						X			Dalton Highway from
AGP101320.20	Trent's Trickle	X						X			TAPS (Upstream)
AGP101320.30	N.F. Windy Arm	X						X			TAPS
AGP101320.40	N.F. Windy Arm	X						X			AGP 0.12 mi E TAPS
AGP101320.50	Tributary to N.F. Windy Arm	X						X			TAPS
AGP101320.60	Tributary to N.F. Windy Arm	X						X			TAPS
AGP101320.70	Chapman Creek	U	320 ****					X			TAPS
AGP101320.80	Chapman Creek	X						X			
AGP101320.90	Tributary to SF Koyukuk	X						X			
AGP101325.00	Tributary to SF Koyukuk	X						X			
AGP101325.10	South Fork Koyukuk	X						U		*	0.18 mi E Dalton
AGP101325.20	Tributary to SF Koyukuk	X						X			
AGP101325.30	East Fork Abba Dabba Creek	X						X			400' E of Dalton
AGP101325.40	Tributary to Abba Dabba Creek	X						X			Dalton Highway
AGP101325.50	Tributary to Abba Dabba Creek	X						X			Dalton Highway
AGP101325.60	Tributary to Abba Dabba Creek	X						X			Dalton Highway
AGP101325.70	Tributary to Abba Dabba Creek	X						X			Dalton Highway
AGP101325.80	Tributary to Abba Dabba Creek	X						X			Dalton Highway
AGP101325.90	Tributary to Abba Dabba Creek	X						X			Dalton Highway
AGP101330.00	Tributary to Abba Dabba Creek	X						X			Dalton Highway
AGP101330.10	Tributary to Abba Dabba Creek	X						X			
AGP101330.20	Tributary to Abba Dabba Creek	X						X			
AGP101330.30	Feeder to Grayling Lake	X						X			
AGP101330.40	Feeder to Grayling Lake	X						X			
AGP101330.50	Unnamed	X						X			connecting Grayling
AGP101330.60	Tributary to Grayling Creek	X						X			
AGP101330.70	Tributary to Grayling Creek	X						X			
AGP101330.80	Tributary to Grayling Creek	X						X			
AGP101330.90	Tributary to Grayling Creek	X						X			
AGP101335.00	Tributary to Jim River	X						X			
AGP101335.10	Tributary to Jim River	X						X			
AGP101335.20	Jim River	X						X			
AGP101335.30	Dee Creek	X						X			
AGP101335.40	Tributary to Dee Creek	X						C		20, *****	
AGP101335.50	Tributary to Dee Creek	X						X			
AGP101335.60	Tributary to Dee Creek	X						X			
AGP101335.70	Tributary to Dee Creek	X						X			
AGP101335.80	Tributary to Dee Creek	X						X			
AGP101335.90	Douglas Creek	X						X			AGP 0.60 mi E TAPS
AGP101340.00	Jim River Side Channel #1	X						X			TAPS
AGP101340.10	Unnamed	X						X			5
AGP101340.20	Unnamed	X						X			5
AGP101340.30	Unnamed	X						X			5
AGP101340.40	Unnamed	X						X			5; AGP 0.21 mi E
AGP101340.50	Prospect Creek	X						X			(0.63 mi meander)
AGP101340.60	Tributary to Prospect Creek	X						X			

Date	Stream Reference	Stream Name	Arctic Grayling	Arctic Grayling_len	Dolly Varden	Dolly_len	Round Whitefish	WRD_len	Burbot	Burbot_len	Stickleback	Stickleback_len	Slimy Sculpin	Sculpin_len
08-Aug-01	AGP101340.70	Little Nasty Creek	X		X		X		X		X		X	
08-Aug-01	AGP101340.80	S.F. Little Nasty Creek	X		X		X		X		X		X	
08-Aug-01	AGP101340.90	Unnamed	X		X		X		X		X		X	
08-Aug-01	AGP101345.00	N.F. Bonanza Creek	C	240, 292,	X		X		X		X		C	*****
09-Aug-01	AGP101345.10	Oxbow Lake System (North)	X		X		X		X		X		X	
09-Aug-01	AGP101345.20	Oxbow Lake System (South)	X		X		X		X		X		X	
09-Aug-01	AGP101345.30	S.F. Bonanza Creek	C	410, 335, 260, 240, **	X		X		X		X		X	
09-Aug-01	AGP101345.40	Pung's Crossing Creek	U	240 **	X		X		X		X		X	
08-Aug-01	AGP101345.50	Alder Mountain Creek	X		X		X		X		X		X	
09-Aug-01	AGP101345.60	Fish Creek	C	350, 170,	X		X		X		X		C	74, 51, 26, 23
09-Aug-01	AGP101345.70	Middle Fork Fish Creek	C	133, *****	X		X		X		X		C	49, 58, 52, 57
08-Aug-01	AGP101345.80	South Fork Fish Creek	C	126, 135,	X		X		X		X		C	96, 80, 85, *
07-Aug-01	AGP101345.90	Tributary to Kanuti River	X		X		X		X		X		X	
07-Aug-01	AGP101350.00	Tributary to Kanuti River	X		X		X		X		X		X	
07-Aug-01	AGP101350.10	Kanuti River	U	*, *, *	X		X		X		X		X	
06-Aug-01	AGP101350.20	Caribou Mountain Creek	U	348, 343, **	X		X		X		X		X	
06-Aug-01	AGP101350.30	Tributary to Olson's Lake Creek	X		X		X		X		X		X	
06-Aug-01	AGP101350.40	Olson's Lake Creek	U	330, *, *	X		X		X		X		X	
06-Aug-01	AGP101350.50	Tributary to W.F. of Dall River	X		X		X		X		X		X	
06-Aug-01	AGP101350.60	Tributary to W.F. of Dall River	X		X		X		X		X		X	
06-Aug-01	AGP101350.70	Finger Mountain Creek	X		X		X		X		X		X	
06-Aug-01	AGP101350.80	Creek	X		X		X		X		X		X	
06-Aug-01	AGP101350.90	Creek	X		X		X		X		X		X	
05-Aug-01	AGP101355.00	Middle Branch W.F. Dall River	C	86, 92,	X		X		X		X		U	121, 10, 11, 9
05-Aug-01	AGP101355.10	South Branch W.F. Dall River	X		X		X		X		X		X	
05-Aug-01	AGP101355.20	unnamed	X		X		X		X		X		X	
05-Aug-01	AGP101355.30	to Fort Hamlin Hills Creek	X		X		X		X		X		X	
05-Aug-01	AGP101355.40	Fed Creek	U	* APPROX 230mm	X		X		X		X		X	
04-Aug-01	AGP101355.42	N.F. Ray River	C	many	X		X		X		X		C	52, 73, 49, 17
04-Aug-01	AGP101355.45	Tributary to N.F. Ray River	X		X		X		X		X		X	
04-Aug-01	AGP101355.48	Tributary to N.F. Ray River	X		X		X		X		X		X	
05-Aug-01	AGP101355.50	Fort Hamlin Hills Creek	C	203, 162,	X		U	122, 234	X		X		U	64
03-Aug-01	AGP101355.60	Tributary to Ray River	X		X		X		X		X		X	
03-Aug-01	AGP101355.70	Tributary to Ray River	X		X		X		X		X		X	
03-Aug-01	AGP101355.80	Tributary to Ray River	X		X		X		X		X		X	
03-Aug-01	AGP101355.90	Tributary to Ray River	X		X		X		X		X		X	
03-Aug-01	AGP101360.00	Phelps Creek	U	238, *, *	X		X		X		X		X	
03-Aug-01	AGP101360.10	unnamed	X		X		X		X		X		X	
03-Aug-01	AGP101360.20	Woodchopper Creek	X		X		X		X		X		X	
03-Aug-01	AGP101360.30	Burbot Creek	X		X		X		X		X		X	
02-Aug-01	AGP101360.40	Yukon River	NS		NS		NS		NS		NS		NS	
17-Jul-01	AGP101400	Tributary to Isom	X		X		X		X		X		X	
17-Jul-01	AGP101500	Tributary to Isom	X		X		X		X		X		X	
17-Jul-01	AGP101600	Isom Creek	X		X		X		X		X		X	
02-Aug-01	AGP101605	Tributary of Hess Creek	NS		NS		NS		NS		NS		NS	
02-Aug-01	AGP101610	Tributary of Hess Creek	NS		NS		NS		NS		NS		NS	
02-Aug-01	AGP101615	Tributary of Hess Creek	X		X		X		X		X		X	
02-Aug-01	AGP101620	Hot Cat Creek	NS		NS		NS		NS		NS		NS	
03-Aug-01	AGP101625	Tributary of Hess Creek	X		X		X		X		X		X	
03-Aug-01	AGP101630	Tributary of Hess Creek	NS		NS		NS		NS		NS		NS	
03-Aug-01	AGP101635	Tributary of Hess Creek	X		X		X		X		X		X	
03-Aug-01	AGP101640	Hess Creek Slough	X		X		X		X		X		X	
03-Aug-01	AGP101645	Fish Creek	X		X		X		X		X		X	
04-Aug-01	AGP101650	Hess Creek	U	290	X		X		X		X		X	
19-Jul-01	AGP101700	Branch of Erikson Creek 2	X		X		X		X		X		X	
19-Jul-01	AGP101800	Erikson Creek 1	X		X		X		X		X		U	71
04-Aug-01	AGP101810	Tributary to Erikson Creek	X		X		X		X		X		X	
04-Aug-01	AGP101820	Lost Creek	X		X		X		X		X		X	
05-Aug-01	AGP101830	Tributary to W.F. of Tolovana	X		X		X		X		X		X	

Stream Reference	Stream Name	Pike	Pike_len	Chinook	Chinook_len	Longnose Sucker	Longnose_len	Other Fish	Other_Name	Other_len	Location on Crossing
AGP101340.70	Little Nasty Creek	X						X			AGP 0.08 mi E TAPS
AGP101340.80	S.F. Little Nasty Creek	X						X			AGP 0.08 mi E TAPS
AGP101340.90	Unnamed	X						X			AGP 0.08 mi E TAPS
AGP101345.00	N.F. Bonanza Creek	X						X			TAPS
AGP101345.10	Oxbow Lake System (North)	X						X			AGP 0.11 mi E TAPS
AGP101345.20	Oxbow Lake System (South)	X						X			AGP 0.11 mi E TAPS
AGP101345.30	S.F. Bonanza Creek	X						X			AGP 0.07 mi E TAPS
AGP101345.40	Pung's Crossing Creek	X						X			TAPS
AGP101345.50	Alder Mountain Creek	X						X			AGP 0.61 mi E TAPS
AGP101345.60	Fish Creek	X						X			TAPS
AGP101345.70	Middle Fork Fish Creek	X						X			TAPS
AGP101345.80	South Fork Fish Creek	X						X			AGP 0.14 mi E TAPS
AGP101345.90	Tributary to Kanuti River	X						X			
AGP101350.00	Tributary to Kanuti River	X						X			
AGP101350.10	Kanuti River	U	482, *					X			AGP 0.09 mi E TAPS
AGP101350.20	Caribou Mountain Creek	X						X			AGP 0.12 mi N TAPS
AGP101350.30	Tributary to Olson's Lake Creek	X						X			
AGP101350.40	Olson's Lake Creek	X						X			AGP 0.19 mi S TAPS
AGP101350.50	Tributary to W.F. of Dall River	X						X			AGP 0.17 mi W TAPS
AGP101350.60	Tributary to W.F. of Dall River	X						X			
AGP101350.70	Finger Mountain Creek	X						X			TAPS; west of DH
AGP101350.80	Creek	X						X			TAPS; west of DH
AGP101350.90	Creek	X						X			TAPS; west of DH
AGP101355.00	Middle Branch W.F. Dall River	X						X			TAPS; west of DH
AGP101355.10	South Branch W.F. Dall River	X						X			TAPS; west of DH
AGP101355.20	unnamed	X						X			W.F. Dall Creek
AGP101355.30	to Fort Hamlin Hills Creek	X						X			TAPS; west of DH
AGP101355.40	Fed Creek	X						X			TAPS; west of DH
AGP101355.42	N.F. Ray River	X						X			TAPS; at highway
AGP101355.45	Tributary to N.F. Ray River	X						X			
AGP101355.48	Tributary to N.F. Ray River	X						X			
AGP101355.50	Fort Hamlin Hills Creek	X						X			; across highway,
AGP101355.60	Tributary to Ray River	X						X			TAPS; other side of
AGP101355.70	Tributary to Ray River	X						X			where TAPS crosses
AGP101355.80	Tributary to Ray River	X						X			MP 67
AGP101355.90	Tributary to Ray River	X						X			APL/AMS-2 access
AGP101360.00	Phelps Creek	X						X			AGP 0.04 mi W TAPS
AGP101360.10	unnamed	X						X			airstrip
AGP101360.20	Woodchopper Creek	X						X			TAPS; across Dalton
AGP101360.30	Burbot Creek	X						X			TAPS
AGP101360.40	Yukon River	NS		NS		NS		NS			Crossing
AGP101400	Tributary to Isom	X						X			76-2.1
AGP101500	Tributary to Isom	X						X			TAPS
AGP101600	Isom Creek	X						X			AGP 0.86 mi E TAPS
AGP101605	Tributary of Hess Creek	NS		NS		NS		NS			
AGP101610	Tributary of Hess Creek	NS		NS		NS		NS			TAPS; N of OMS 75-
AGP101615	Tributary of Hess Creek	X						X			TAPS; S of OMS 75-
AGP101620	Hot Cat Creek	NS		NS		NS		X			AGP 0.61 mi S TAPS
AGP101625	Tributary of Hess Creek	X						X			AGP 0.19 mi N Dalton
AGP101630	Tributary of Hess Creek	NS		NS		NS		X			APL-5
AGP101635	Tributary of Hess Creek	X						X			74 -2HR Access Rd
AGP101640	Hess Creek Slough	X						X			
AGP101645	Fish Creek	X						X			AGP 0.17 mi W TAPS
AGP101650	Hess Creek	U	**			U	75	X			AGP 0.15 mi W TAPS
AGP101700	Branch of Erikson Creek 2	X						X			AGP
AGP101800	Erikson Creek 1	X						X			Branch to Erikson#1
AGP101810	Tributary to Erikson Creek	X						X			AGP 0.17 mi S TAPS
AGP101820	Lost Creek	X						U		*	AGP 0.33 mi S TAPS
AGP101830	Tributary to W.F. of Tolovana	X						X			

Date	Stream Reference	Stream Name	Arctic Grayling	Arctic Grayling_len	Dolly Varden	Dolly_len	Round Whitefish	WRD_len	Burbot	Burbot_len	Stickleback	Stickleback_len	Slimy Sculpin	Sculpin_len
05-Aug-01	AGP101840	Tolovana River	C	&12	X		X		X		X		X	
20-Jul-01	AGP101850	Shorty Creek	X		X		X		X		X		X	
20-Jul-01	AGP101860	Tributary of Tolovana River	X		X		X		X		X		X	
21-Jul-01	AGP101900	Wilbur Creek	X		X		X		X		X		X	
21-Jul-01	AGP102000	Tributary to Wilbur Creek	X		X		X		X		X		X	
22-Jul-01	AGP102005	Slate Creek	X		X		X		X		X		X	
22-Jul-01	AGP102010	Tributary to Tatalina River	X		X		X		X		X		X	
22-Jul-01	AGP102015	Tributary to Tatalina River	X		X		X		X		X		X	
23-Jul-01	AGP102020	Tributary to Globe Creek	X		X		X		X		X		X	
23-Jul-01	AGP102025	Globe Creek	X		X		X		X		X		X	
23-Jul-01	AGP102030	Little Globe Creek	X		X		X		X		X		X	
23-Jul-01	AGP102035	Tributary to Little Globe Creek	X		X		X		X		X		X	
24-Jul-01	AGP102040	Little Globe Creek	X		X		X		X		X		X	
24-Jul-01	AGP102045	N.F. Aggie Creek	X		X		X		X		X		X	
24-Jul-01	AGP102050	S.F. Aggie Creek	X		X		X		X		X		X	
01-Aug-01	AGP102055	Tributary of Washington Creek	X		X		X		X		X		X	
01-Aug-01	AGP102060	Washington Creek	C		X		X		X		X		X	
01-Aug-01	AGP102065	Tributary of Chatanika River	X		X		X		X		X		X	
02-Aug-01	AGP102070	Shocker Creek	C	190 110 ****	X		X		X		X		X	
02-Aug-01	AGP102075	Chatanika River	X		X		X		X		X		X	
02-Aug-01	AGP102080	Treasure Creek	X		X		X		X		X		X	
20-Jul-01	AGP102200	Million Dollar Creek	U	130,**	X		X		X		X		X	
03-Aug-01	AGP102210	Tributary to Little Salcha	X		X		X		X		X		X	
03-Aug-01	AGP102220	Unnamed	X		X		X		X		X		X	
04-Aug-01	AGP102230	Little Salcha River	X		X		X		X		X		C	60
11-Jul-01	AGP102300	Kanpeover Creek	X		X		X		X		X		X	
09-Jul-01	AGP102400	Tributary to Salcha River	X		X		X		X		X		X	
04-Aug-01	AGP102410	Salcha River	X		X		X		X		X		X	
05-Aug-01	AGP102420	Tributary to Salcha River	X		X		X		X		X		X	
10-Jul-01	AGP102500	Redmond Creek	U	140	X		U	200,175	X		X		C	50,55,*****
05-Aug-01	AGP102505	Tributary to Flat Creek	X		X		X		X		X		X	
05-Aug-01	AGP102510	Tributary to Flat Creek	X		X		X		X		X		X	
05-Aug-01	AGP102515	Small Creek	X		X		X		X		X		X	
06-Aug-01	AGP102520	Gold Run Creek	X		X		X		X		X		X	
09-Jul-01	AGP102525	N.F. Minton Creek	X		X		X		X		X		X	
09-Jul-01	AGP102530	N.F. Minton Creek	X		X		X		X		X		X	
09-Jul-01	AGP102535	Minton Creek	X		X		X		X		X		X	
10-Jul-01	AGP102540	Minton Creek	X		X		X		X		X		X	
10-Jul-01	AGP102545	S.F. Minton Creek	X		X		X		X		X		X	
11-Jul-01	AGP102555	S.F. Minton Creek	X		X		X		X		X		X	
11-Jul-01	AGP102560	S.F. Minton Creek	X		X		X		X		X		X	
09-Jul-01	AGP102565	Rosa Creek	X		X		X		X		X		X	
09-Jul-01	AGP102570	Rosa Creek	X		X		X		X		X		X	
09-Jul-01	AGP102575	Rosa Creek	X		X		X		X		X		X	
06-Aug-01	AGP102580	Rosa Creek	X		X		X		X		X		X	
06-Aug-01	AGP102585	Shaw Creek	U	220	X		X		X		X		X	
09-Jul-01	AGP102600	Tanana River Side Channel	X		X		X		X		X		X	
19-Aug-01	AGP102700-A	Tributary of Clearwater Creek	X		X		X		X		X		X	
19-Aug-01	AGP102800-A	Tributary of Sawmill Creek	X		X		X		X		X		X	
19-Aug-01	AGP102900-A	Granite Creek	X		X		X		X		X		X	
19-Aug-01	AGP103000-A	Rhoads Creek	X		X		X		X		X		X	
19-Aug-01	AGP103000-B	Rhoads Creek	X		X		X		X		X		X	
19-Aug-01	AGP103100-A	Sawmill Creek	X		X		X		X		X		X	
07-Aug-01	AGP103110	Gerstle River	X		X		X		X		X		X	
07-Aug-01	AGP103200	Tributary of Gerstle River	X		X		X		X		X		X	
07-Aug-01	AGP103300	Little Gerstle River	X		X		X		X		X		X	
07-Aug-01	AGP103350	Johnson River	X		X		X		X		X		X	
08-Aug-01	AGP103400	Dry Creek	X		X		X		X		X		X	
08-Aug-01	AGP103500	Unnamed	X		X		X		X		X		X	

Stream Reference	Stream Name	Pike	Pike_len	Chinook	Chinook_len	Longnose Sucker	Longnose_len	Other Fish	Other_Name	Other_len	Location on Crossing
AGP101840	Tolovana River	X						X			AGP 0.21 mi S TAPS
AGP101850	Shorty Creek	X						X			
AGP101860	Tributary of Tolovana River	X						X			TAPS; 0.48 mi S of
AGP101900	Wilbur Creek	X						X			AGP 1.33 mi W TAPS
AGP102000	Tributary to Wilbur Creek	X						X			AGP 1.02 mi W TAPS
AGP102005	Slate Creek	X						X			TAPS
AGP102010	Tributary to Tatalina River	X						X			
AGP102015	Tributary to Tatalina River	X						X			TAPS
AGP102020	Tributary to Globe Creek	X						X			1; 0.05 mi NE TAPS
AGP102025	Globe Creek	X						X			AGP 0.21 mi E TAPS
AGP102030	Little Globe Creek	X						X			AGP N 66-APL-2
AGP102035	Tributary to Little Globe Creek	X						X			AGP S 66-APL-2
AGP102040	Little Globe Creek	X						X			0.32 mi W Elliot
AGP102045	N.F. Aggie Creek	X						X			AGP 0.08 mi E TAPS
AGP102050	S.F. Aggie Creek	X						X			AGP 0.08 mi E TAPS
AGP102055	Tributary of Washington Creek	X						X			AGP 0.08 mi E TAPS
AGP102060	Washington Creek	X						X			AGP 0.08 mi E TAPS
AGP102065	Tributary of Chatanika River	X						X			AGP 0.08 mi E TAPS
AGP102070	Shocker Creek	X						X			AGP 0.08 mi E TAPS
AGP102075	Chatanika River	X		U	*			C	Chinook salmon	*****	AGP 0.23 mi E TAPS
AGP102080	Treasure Creek	X						X			AGP 0.07 NE TAPS
AGP102200	Million Dollar Creek	X						C	salmonid fry	26 ,*****	AGP 0.48 mi S TAPS
AGP102210	Tributary to Little Salcha	X						X			AGP 0.19 mi S TAPS
AGP102220	Unnamed	X						X			TAPS
AGP102230	Little Salcha River	X						X			AGP 0.28 mi W TAPS
AGP102300	Kanpeover Creek	X						X			TAPS
AGP102400	Tributary to Salcha River	X						X			Salcha River Bridge
AGP102410	Salcha River	X						C		*****	Salcha River Bridge
AGP102420	Tributary to Salcha River	X						X			TAPS
AGP102500	Redmond Creek	X						X			AGP 0.21 mi W TAPS
AGP102505	Tributary to Flat Creek	X						X			TAPS
AGP102510	Tributary to Flat Creek	X						X			AGP 0.13 mi S TAPS
AGP102515	Small Creek	X						X			AGP 0.13 mi S TAPS
AGP102520	Gold Run Creek	X						X			TAPS
AGP102525	N.F. Minton Creek	X						X			AGP 0.1 mi W TAPS
AGP102530	N.F. Minton Creek	X						X			AGP 0.11 mi W TAPS
AGP102535	Minton Creek	X						X			AGP 0.31 mi W TAPS
AGP102540	Minton Creek	X						X			AGP 0.32 mi W TAPS
AGP102545	S.F. Minton Creek	X						X			AGP 0.26 mi W TAPS
AGP102555	S.F. Minton Creek	X						X			AGP 0.14 mi W TAPS
AGP102560	S.F. Minton Creek	X						X			AGP 0.16 mi W TAPS
AGP102565	Rosa Creek	X						X			AGP W TAPS
AGP102570	Rosa Creek	X						X			AGP W TAPS
AGP102575	Rosa Creek	X						X			AGP W TAPS
AGP102580	Rosa Creek	X						X			AGP N TAPS
AGP102585	Shaw Creek	X						X			AGP 0.38 mi E TAPS
AGP102600	Tanana River Side Channel	X						X			(2.5 mi upriver from
AGP102700-A	Tributary of Clearwater Creek	X						X			from Centerline
AGP102800-A	Tributary of Sawmill Creek	X						X			from Centerline
AGP102900-A	Granite Creek	X						X			from Centerline
AGP103000-A	Rhoads Creek	X						X			Centerline
AGP103000-B	Rhoads Creek	X						X			Centerline
AGP103100-A	Sawmill Creek	X						X			Centerline
AGP103110	Gerstle River	X						X			SE bank; at bridge
AGP103200	Tributary of Gerstle River	X						X			
AGP103300	Little Gerstle River	X						X			
AGP103350	Johnson River	X						X			upstream from
AGP103400	Dry Creek	X						X			highway
AGP103500	Unnamed	X						X			

Date	Stream Reference	Stream Name	Arctic Grayling	Arctic Grayling_len	Dolly Varden	Dolly_len	Round Whitefish	WRD_len	Burbot	Burbot_len	Stickleback	Stickleback_len	Slimy Sculpin	Sculpin_len
08-Aug-01	AGP103600	Sears Creek	C	*****	X		X		X		X		X	
08-Aug-01	AGP103700	Tributary of Tanana River	X		X		X		X		X		X	
09-Aug-01	AGP103800	Tributary of Tanana River	X		X		X		X		X		X	
09-Aug-01	AGP103900	Berry Creek	X		X		X		X		X		C	85 60 65 55 75
09-Aug-01	AGP104000	Tributary of Tanana River	X		X		X		X		X		X	
10-Aug-01	AGP104100	Tributary of Tanana River	X		X		X		X		X		X	
10-Aug-01	AGP104300	Tributary of Tanana River	X		X		X		X		X		X	
14-Aug-01	AGP104400	unnamed	X		X		X		X		X		X	
14-Aug-01	AGP104450	unnamed	X		X		X		X		X		X	
15-Aug-01	AGP104500	unnamed	X		X		X		X		X		X	
15-Aug-01	AGP104600	Chief Creek	X		X		X		X		X		X	
15-Aug-01	AGP104700	Bear Creek	X		X		X		X		X		X	
22-Jul-01	AGP104800	Tributary of Tanana River	C	80,*****	X		X		X		X		X	
22-Jul-01	AGP104900	Tributary of Tanana River	X		X		X		X		X		X	
22-Jul-01	AGP105000	Sheep Creek	X		X		X		X		X		X	
22-Jul-01	AGP105100	Tributary of Tanana River	X		X		X		X		X		X	
22-Jul-01	AGP105200	Tributary of Tanana River	X		X		X		X		X		X	
22-Jul-01	AGP105250	Tributary of Tanana River	X		X		X		X		X		X	
22-Jul-01	AGP105300	Cathedral Creeks	X		X		X		X		X		X	
22-Jul-01	AGP105450	Cathedral Rapids #2	U	60,190	X		X		X		X		X	
22-Jul-01	AGP105500	Cathedral Rapids #1	X		X		X		X		X		X	
09-Aug-01	AGP105600	Yennick Creek	U	**	X		X		X		X		X	
09-Aug-01	AGP105700	Moon Lake Creek	X		X		X		X		X		X	
09-Aug-01	AGP105750	Unnamed	X		X		X		X		X		X	
08-Aug-01	AGP105800-R13	Tok River side slough	X		X		X		X		X		X	
08-Aug-01	AGP105900-R13	Tok River	X		X		X		X		X		X	
10-Aug-01	AGP105950-R13	Tanana River	NS		NS		NS		NS		NS		NS	
11-Aug-01	AGP106000-R13	Tributary of Tanana River	X		X		X		X		X		X	
10-Aug-01	AGP106010-R13	Unnamed	X		X		X		X		X		X	
10-Aug-01	AGP106020-R13	unnamed	X		X		X		X		X		X	
11-Aug-01	AGP106100	Tributary of Tanana River	X		X		X		X		X		X	
11-Aug-01	AGP106150	Tributary of Tanana River	X		X		X		X		X		X	
13-Aug-01	AGP106200	Tributary of Tanana River	X		X		X		X		X		X	
11-Aug-01	AGP106300	Tributary of Tanana River	X		X		X		X		X		X	
11-Aug-01	AGP106350	Tributary of Tanana River	X		X		X		X		X		X	
12-Aug-01	AGP106400	Tributary of Tanana River	X		X		X		X		X		X	
12-Aug-01	AGP106500	unnamed	X		X		X		X		X		X	
12-Aug-01	AGP106600	unnamed	X		X		X		X		X		X	
12-Aug-01	AGP106610	unnamed	X		X		X		X		X		X	
12-Aug-01	AGP106620	unnamed	X		X		X		X		X		X	
12-Aug-01	AGP106700	unnamed	X		X		X		X		X		X	
12-Aug-01	AGP106800-R13	Unnamed	X		X		X		X		X		X	
17-Aug-01	AGP106900	Tributary of Tanana River	X		X		X		X		X		X	
14-Aug-01	AGP106900-A	Tributary of Tanana River	X		X		X		X		X		X	
14-Aug-01	AGP106900-B	Tributary of Tanana River	X		X		X		X		X		X	
14-Aug-01	AGP106900-C	Tributary of Tanana River	X		X		X		X		X		X	
17-Aug-01	AGP106910	Tributary of Tanana River	X		X		X		X		X		X	
17-Aug-01	AGP107000	Tributary of Tanana River	X		X		X		X		X		X	
14-Aug-01	AGP107000-A	Tributary of Tanana River	X		X		X		X		X		X	
17-Aug-01	AGP107100	Bitter Creek	X		X		X		X		X		X	
14-Aug-01	AGP107100-A	Bitter Creek	X		X		X		X		X		X	
17-Aug-01	AGP107200	Tributary of Tanana River	X		X		X		X		X		X	
14-Aug-01	AGP107200-A	Tributary of Tanana River	X		X		X		X		X		X	
18-Aug-01	AGP107300	Tributary of Tanana River	X		X		X		X		X		X	
14-Aug-01	AGP107300-A	Tributary of Tanana River	X		X		X		X		X		X	
18-Aug-01	AGP107400	Tributary of Tanana River	X		X		X		X		X		X	
16-Aug-01	AGP107400-A	Unnamed	U	320, 160	X		X		X		X		X	
18-Aug-01	AGP107500	Unnamed	X		X		X		X		X		X	
16-Aug-01	AGP107500-A	Unnamed	X		X		X		X		X		X	

Stream Reference	Stream Name	Pike	Pike_len	Chinook	Chinook_len	Longnose Sucker	Longnose_len	Other Fish	Other_Name	Other_len	Location on Crossing
AGP103600	Sears Creek	X						X			
AGP103700	Tributary of Tanana River	X						X			
AGP103800	Tributary of Tanana River	X						X			
AGP103900	Berry Creek	X				U	*	U	NA	**	
AGP104000	Tributary of Tanana River	X						X			
AGP104100	Tributary of Tanana River	X						X			
AGP104300	Tributary of Tanana River	X						X			
AGP104400	unnamed	X						X			
AGP104450	unnamed	X						X			
AGP104500	unnamed	X						X			
AGP104600	Chief Creek	X						X			
AGP104700	Bear Creek	X						X			Robertson River
AGP104800	Tributary of Tanana River	X						X			Robertson River
AGP104900	Tributary of Tanana River	X						X			
AGP105000	Sheep Creek	X						X			
AGP105100	Tributary of Tanana River	X						X			
AGP105200	Tributary of Tanana River	X						X			
AGP105250	Tributary of Tanana River	X						X			
AGP105300	Cathedral Creeks	X						X			
AGP105450	Cathedral Rapids #2	X						X			
AGP105500	Cathedral Rapids #1	X						X			
AGP105600	Yennick Creek	X						X			
AGP105700	Moon Lake Creek	X						X			
AGP105750	Unnamed	X						X			
AGP105800-R13	Tok River side slough	X						X			
AGP105900-R13	Tok River	X						X			
AGP105950-R13	Tanana River	NS		NS		NS		NS			North of Highway at Highway and 0.5
AGP106000-R13	Tributary of Tanana River	X						X			
AGP106010-R13	Unnamed	X						X			
AGP106020-R13	unnamed	X						X			
AGP106100	Tributary of Tanana River	X						X			
AGP106150	Tributary of Tanana River	X						X			
AGP106200	Tributary of Tanana River	X						X			
AGP106300	Tributary of Tanana River	X						X			
AGP106350	Tributary of Tanana River	X						X			
AGP106400	Tributary of Tanana River	X						X			
AGP106500	unnamed	X						X			
AGP106600	unnamed	X						X			
AGP106610	unnamed	X						X			
AGP106620	unnamed	X						X			
AGP106700	unnamed	X						X			
AGP106800-R13	Unnamed	X						X			
AGP106900	Tributary of Tanana River	X						X			
AGP106900-A	Tributary of Tanana River	X						X			
AGP106900-B	Tributary of Tanana River	X						X			
AGP106900-C	Tributary of Tanana River	X						X			
AGP106910	Tributary of Tanana River	X						X			
AGP107000	Tributary of Tanana River	X						X			
AGP107000-A	Tributary of Tanana River	X						X			
AGP107100	Bitter Creek	X						X			
AGP107100-A	Bitter Creek	X						X			
AGP107200	Tributary of Tanana River	X						X			
AGP107200-A	Tributary of Tanana River	X						X			
AGP107300	Tributary of Tanana River	X						X			
AGP107300-A	Tributary of Tanana River	X						X			
AGP107400	Tributary of Tanana River	X						X			
AGP107400-A	Unnamed	X						X			
AGP107500	Unnamed	X						X			
AGP107500-A	Unnamed	X						X			

Date	Stream Reference	Stream Name	Arctic Grayling	Arctic Grayling_len	Dolly Varden	Dolly_len	Round Whitefish	WRD_len	Burbot	Burbot_len	Stickleback	Stickleback_len	Slimy Sculpin	Sculpin_len
18-Aug-01	AGP107600	Tributary of Tanana River	X		X		X		X		X		X	
16-Aug-01	AGP107600-A	Unnamed	X		X		X		X		X		X	
18-Aug-01	AGP107700	Beaver Creek	NS		NS		NS		NS		NS		NS	
16-Aug-01	AGP107700-A	Beaver Creek	X		X		X		X		X		X	
18-Aug-01	AGP107800	Tributary of the Chisana River	X		X		X		X		X		X	
16-Aug-01	AGP107800-A	Tributary of the Chisana River	X		X		X		X		X		X	
16-Aug-01	AGP107900-A	unnamed	X		X		X		X		X		X	
18-Aug-01	AGP108000	Silver Creek	X		X		X		X		X		X	
16-Aug-01	AGP108000-A	Silver Creek	X		X		X		X		X		X	
18-Aug-01	AGP108100	unnamed	X		X		X		X		X		X	
18-Aug-01	AGP108200	unnamed	X		X		X		X		X		X	
18-Aug-01	AGP108300	Unnamed	X		X		X		X		X		X	
18-Aug-01	AGP108400	Ten Mile Creek	X		X		X		X		X		X	
11-Aug-01	AGP108450	Gardiner Creek	U	310	X		X		X		X		X	
11-Aug-01	AGP108550-R13	Unnamed	X		X		X		X		X		X	
16-Aug-01	AGP108850-R13	Unnamed	X		X		X		X		X		X	
16-Aug-01	AGP109000-R13	Sweetwater Creek	X		X		X		X		U	*	X	
16-Aug-01	AGP109100	Island Lake Creek	X		X		X		X		X		X	
23-Jul-01	AGP109200	Unnamed	X		X		X		X		X		X	
23-Jul-01	AGP109300	Desper Creek	NS		NS		NS		NS		NS		NS	
23-Jul-01	AGP109400	Scottie Creek	NS		NS		NS		NS		NS		NS	
24-Jul-01	AGP109450	Little Scottie Creek	X		X		X		X		X		X	

Stream Reference	Stream Name	Pike	Pike_len	Chinook	Chinook_len	Longnose Sucker	Longnose_len	Other Fish	Other_Name	Other_len	te on Crossing Locati
AGP107600	Tributary of Tanana River	X						X			
AGP107600-A	Unnamed	X						X			
AGP107700	Beaver Creek	NS		NS		NS		NS			
AGP107700-A	Beaver Creek	X						X			
AGP107800	Tributary of the Chisana River	X						X			
AGP107800-A	Tributary of the Chisana River	X						X			
AGP107900-A	unnamed	X						X			
AGP108000	Silver Creek	X						X			
AGP108000-A	Silver Creek	X						X			
AGP108100	unnamed	X						X			
AGP108200	unnamed	X						X			
AGP108300	Unnamed	X						X			
AGP108400	Ten Mile Creek	X						X			
AGP108450	Gardiner Creek	X						X			
AGP108550-R13	Unnamed	X						X			
AGP108850-R13	Unnamed	X						X			
AGP109000-R13	Sweetwater Creek	X						X			
AGP109100	Island Lake Creek	X						X			
AGP109200	Unnamed	X						X			
AGP109300	Desper Creek	NS		NS		NS		NS			
AGP109400	Scottie Creek	NS		NS		NS		NS			
AGP109450	Little Scottie Creek	X						X			