TABLE I-2

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
Kuparuk River Sub-watershed (HUC8)																	
3.2	WPC001-B	Putuligayuk River [j]	Minor	PN	250	9	Dry-Ditch Open-Cut	Winter	No	330-00-10415	BCr, DVr, Wr	ND	BC, DV, W (ADFG) BW, CA, CS, LT, SB (TAPS)	None	Unk.	BCr, DVr, Wr	4,8
4.9	WPC001.1	Drainage Ditch	Minor	IN	60	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
9.0	WPC004.1	Unnamed Stream	Minor	PN	50	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
13.7	WPC008.01	Pond	Minor	O	400	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
13.8	WPC008.02	Pond	Minor	O	150	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
14.1	WPC008.03	Pond	Minor	O	250	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
14.3	WPC008.04	Pond	Minor	O	240	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
14.4	WPC008.05	Pond	Minor	O	300	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
14.5	WPC008.06	Pond	Minor	O	170	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
15.6	WPC008.07	Pond	Minor	O	270	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
15.8	WPC008.08	Pond	Minor	O	180	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
15.9	WPC008.09	Pond	Minor	O	110	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
16.1	WPC008.10	Pond	Minor	O	270	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
16.3	WPC008.11	Pond	Minor	O	180	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
16.4	WPC008.12	Pond	Minor	O	80	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
16.7	WPC008.13	Pond	Minor	O	480	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
16.8	WPC008.14	Pond	Minor	O	180	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
17.6	WPC008.15	Pond	Minor	O	60	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
17.7	WPC008.16	Pond	Minor	O	160	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
18.6	WPC008.17	Pond	Minor	O	260	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
67.4	**WBC001 [p]**	**Unnamed Tributary to Toolik River**	**Minor [p]**	**PN**	**9 [p]**	**9 [p]**	**Wet-Ditch Open-Cut**	Summer	No	None	N/A	**ND**	**ND**	None	Unk. [o]	No	**None**
128.2	WPC041	Unnamed Tributary to Toolik River	Minor	IN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	AC, GR (TAPS)	None	No	No	None
128.6	WPC042-B	Toolik River [j]	Minor	PN	9	0	Frozen-Cut	Winter	No	None	N/A	ND	AC, GR (TAPS)	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
129.3	WPC043-B	East Fork Kuparuk River	Minor	PN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) CN?, GR (TAPS)	None	Unk.	No	None
130.9	WPC044	Kuparuk River	Minor	PN	45	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	GR (AECOM) GR (ADFG) AC?, CN, GR, LT? (TAPS)	None	No	No	8
132.3	WPC044.1	Unnamed Tributary to Kuparuk River [j]	Minor	IN	7	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
132.7	WPC044.2	Unnamed Stream	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
136.4	WPC044.3	Terry Creek	Minor	IN	10	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	AC?, GR	None	No	No	None
136.8	WPC046	Mack Creek	Minor	PN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	AC?, GR (TAPS)	None	No	No	None
137.2	WPC047	Ed Creek	Minor	PN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	No collection effort	AC, GR, LT? (TAPS)	None	No	No	None
Sagavanirktok River Sub-watershed (HUC8)																	
21.4	WPC008.18	Unnamed Tributary To Sagavanirktok River	Minor	IN	10	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
27.4	WPC011-B	Sagavanirktok River Side Channel	Minor	PN	7	0	Frozen-Cut	Winter	No	None	N/A	Dolly Varden; Nine-spine stickle-back	DV, nS (AECOM) 9S (ADFG)	None	Unk.	No	None
35.2	WPC012	Thelma Creek	Minor	IN	240	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
35.6	WPC013	Pond	Minor	IN	200	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
38.1	WPC013.01	Sagavanirktok River Side Channel-Short Creek	Minor	O	225	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
39.7	WPC013.011	Sylvia Creek No. 1 [j]	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
39.9	WPC013.012	Sylvia Creek No. 2 [j]	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
40.4	WPC013.013	Sylvia Creek No. 3 [j]	Minor	IN	60	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
41.6	WPC013.02	Pond	Minor [k]	IN	420	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
41.8	WPC013.021	Sagavanirktok River Side Channel	Minor [k]	IN	155	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
42.8	WPC013.022	Unnamed Tributary to Sagavanirktok River	Minor [k]	IN	120	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
44.1	WPC013.023	Pond	Minor	O	150	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
69.1	WPC016	Unnamed Tributary to Sagavanirktok River	Minor	IN	11	6	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
69.9	WPC016.1-C	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
72.1	WPC017-B	Unnamed Stream	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
74.7	WPC018	Unnamed Tributary to Mark Creek	Minor	IN	11	6	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
74.8	WPC019	Mark Creek No. 1	Inter-mediate	PN	25	20	Wet-Ditch Open-Cut	Summer	No	None	N/A	Arctic grayling; general fish observation, no species information	GR, Unk. (AECOM) GR (ADFG) AC, BB, CN, GR, RW, S9 (TAPS)	None	Unk.	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
76.8	WPC020	Mark Creek No. 2 [j]	Inter-mediate	PN	16	11	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG)	None	Unk.	No	None
77.1	WPC021	Mark Creek No. 3 [j]	Minor	IN	12	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Ninespine stickleback; general fish observation, no species information	9S, Unk. (AECOM) 9S (ADFG)	None	Unk.	No	None
77.2	WPC022	Mark Creek No. 4	Minor	IN	85	10	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG)	None	Unk.	No	None
79.9	**WBC002 [p]**	**Unnamed Tributary to Mark Creek**	**Minor**	**PN**	**6**	**6**	**Wet-Ditch Open-Cut**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk.**	**No**	**None**
80.3	WPC022.1	Pond	Inter-mediate	O	190	20	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
82.9	WPC024-B	Unnamed Tributary to Sagavanirktok River	Minor	PN	30	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
85.0	WPC024.1-B	Unnamed Tributary to Sagavanirktok River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
85.5	WPC025-C	Unnamed Tributary to Sagavanirktok River [j]	Minor	PN	7	7	Wet-Ditch Open-Cut	Summer	No	330-00-10360-2380-3006	DVp	ND	ND	None	Unk.	Unk.	5,8
86.7	WPC025.01	Unnamed Stream	Minor	IN	15	4	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
87.2	WPC025.1	Unnamed Stream	Inter-mediate	IN	70	25	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
87.8	WPC025.2-C	Unnamed Stream	Minor	IN	10	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
88.3	WPC026-C	Unnamed Tributary to Sagavanirktok River [j]	Minor	PN	10	8	Wet-Ditch Open-Cut	Summer	Yes	330-00-10360-2380	DVp	ND	DV (ADFG)	None	Unk.	Unk.	5,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
90.3	WPC026.2	Unnamed Stream	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	No	330-00-10360-2390	DVp	ND	ND	None	Unk.	Unk.	5,7,8
90.3	WPC027-B	Dan Creek [j]	Inter-mediate	PN	22	17	Wet-Ditch Open-Cut	Summer	No	330-00-10360-2390	DVp	ND	GR, nS, Unk. (AECOM) 9S, GR (ADFG) AC, CN, GR, RW, S9 (TAPS)	None	Unk.	Unk.	4,5,8
93.1	WPC027.1-B	Lori Creek	Inter-mediate	PN	40	35	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	GR (TAPS)	None	No	No	None
99.2	WPC028	Arthur Creek North Branch No. 2 [j]	Inter-mediate	PN	27	22	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	GR, 9S (AECOM)	None	No	No	None
100.6	WPC029	Arthur Creek [j]	Inter-mediate	PN	18	13	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	DV (AECOM)	None	No	No	None
101.6	WPC030	Gustafson Gulch [j]	Minor	PN	7	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling; Ninespine stickleback	GR, 9S (AECOM) GR, 9S (ADFG) AC, BB, CN, GR (TAPS)	None	Unk.	No	None
102.9	WPC031	Unnamed Tributary to Sagavanirktok River	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
103.3	WPC032	Unnamed Tributary to Sagavanirktok River	Inter-mediate	IN	11	11	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
103.8	WPC033	Polygon Creek [j]	Inter-mediate	PN	22	17	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling; Slimy sculpin	GR, CN (AECOM) GR, CN (ADFG) AC, BB, CN, GR (TAPS)	None	Unk.	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
104.7	WPC034	Poison Pipe Creek	Minor	PN	10	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	AC, CN, GR (TAPS)	None	No	No	None
105.1	WPC035	Climb Creek	Inter-mediate	PN	29	24	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
105.7	WPC036	Dennis Creek	Minor	PN	6	6	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	AC, GR (TAPS)	None	No	No	None
106.1	WPC036.1	Unnamed Stream	Inter-mediate	IN	25	25	Wet-Ditch Open-Cut	Summer	No	None	N/A	No fish collected or observed	ND	None	No	No	None
106.8	WPC037	Rudy Creek North Branch	Inter-mediate	PN	19	14	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	GR, Unk. (AECOM) AC, CN, GR (TAPS)	None	No	No	None
107.3	WPC038	Rudy Creek South Branch	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
108.6	WPC039	Oksrukuyik Creek No. 1 [j]	Inter-mediate	PN	270	60	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	RW (AECOM) DV (ADFG) AC, BB, BW, CN, GR, RW? (TAPS)	None	No	No	8
110.7	WPC039.1	Unnamed Stream	Minor	IN	6	3	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
115.5	WPC039.2-C	Unnamed Tributary to Sagavanirktok River	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
121.6	WPC040	Oksrukuyik Creek No. 2 [j]	Minor	PN	20	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	GR (AECOM) DV (ADFG) AC, BB?, CN, GR, LT, RW? (TAPS)	None	No	No	8
121.8	WPC040.05	Unnamed Stream	Minor	IN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
124.5	WPC040.06	Unnamed Stream	Minor	IN	7	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
126.1	WPC040.1	Unnamed Tributary to Sagavanirktok River	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
141.8	WPC049	Tributary to Galbraith Lake	Minor	IN	6	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
142.6	WPC050	Tributary to Galbraith Lake	Minor	IN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
143.2	WPC051	Tributary to Galbraith Lake	Minor	IN	15	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
144.6	**WBC005 [p]**	**Tributary to Galbraith Lake**	**Minor**	**IN**	**0**	**0**	**Frozen-Cut [l]**	**Winter**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
145.2	WPC052-B	Atigun River No. 1	Inter-mediate	PN	365	30	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	Slimy sculpin; general fish observation, no species information	CD, Unk. (AECOM) CN (ADFG) AC, BB, CN, GR, LT, RW (TAPS)	None	Unk.	No	8
146.9	WPC053	Unnamed Tributary to Tee Lake Outlet	Minor	IN	12	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
146.9	WPC054	Tributary to Tee Lake Inlet	Minor	IN	16	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
148.1	WPC055	Tee Lake Inlet	Minor	IN	7	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
148.4	WPC056	Tee Lake Inlet	Minor	IN	4	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
148.8	WPC057	Holden Creek [j]	Minor	PN	90	0	Frozen-Cut [l]	Winter	No	None	N/A	Dolly Varden	DV (AECOM) DV (ADFG) AC, CN, GR, RW, DV	None	Unk.	No	None
150.1	WPC057.1	Unnamed Tributary to Mainline Spring Creek	Minor	IN	9	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

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151.1	WPC058	Roche Mountonnee Creek [j]	Minor	IN	38	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	AC, CN, GR, LT, RW (TAPS)	None	No	No	None
152.4	WPC058.005	Unnamed Tributary to Atigun River	Minor	IN	22	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
153.4	WPC058.01	Unnamed Tributary to Atigun River	Minor	IN	8	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
153.8	WPC059	Unnamed Stream	Minor	IN	24	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
154.3	WPC059.1	Unnamed Tributary to Atigun River	Minor	IN	7	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
155.4	WPC060	Waterhole Creek	Minor	PN	12	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
155.6	WPC061	Unnamed Stream	Minor	IN	15	0	Frozen-Cut [l]	Winter	No	None	N/A	No fish collected or observed	ND	None	No	No	None
155.8	WPC062	Unnamed Tributary to Atigun River	Minor	PN	13	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
156.5	WPC063	Unnamed Tributary to Tyler Creek	Minor	IN	6	0	Frozen-Cut [l]	Winter	No	None	N/A	No fish collected or observed	ND	None	No	No	None
157.5	WPC063.1	Tyler Creek [j]	Minor	PN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling	GR (ADFG) CN, GR, RW (TAPS)	None	Unk.	No	None
157.5	WPC063.2	Tyler Creek [j]	Minor	IN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	GR (ADFG) CN, GR, RW (TAPS)	None	No	No	None
157.6	WPC063.3	Tyler Creek [j]	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	GR (ADFG) CN, GR, RW (TAPS)	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
157.7	WPC064	Trevor Creek [j]	Minor	IN	490	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	AC, CN, GR, RW (TAPS)	None	No	No	None
158.2	WPC064.1	Unnamed Stream	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG)	None	Unk.	No	None
158.2	WPC064.2	Unnamed Tributary to Atigun River	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
158.5	WPC064.3	Unnamed Tributary to Atigun River	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
158.6	WPC064.4	Unnamed Stream	Minor	IN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
159.2	WPC064.45	Unnamed Tributary to Atigun River	Minor	IN	35	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
160.6	WPC064.5	Unnamed Stream	Minor	IN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
160.8	WPC065	Unnamed Tributary to Who Creek	Minor	IN	102	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	AC, BB?, CN, GR, LT?, RW (TAPS)	None	No	No	None
160.8	WPC066	Unnamed Tributary to Who Creek	Minor	IN	24	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
162.0	WPC066.01	Unnamed Stream	Minor	IN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
162.1	WPC066.02	Unnamed Tributary to Atigun River	Minor	IN	13	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
162.4	WPC067	Unnamed Tributary to Atigun River	Minor	IN	305	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
162.5	WPC068	Unnamed Tributary to Atigun River	Minor	IN	210	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
163.0	WPC068.1	Unnamed Tributary to Atigun River	Minor [k]	IN	525	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
163.4	WPC069	Unnamed Tributary to Atigun River	Minor	IN	6	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
163.8	WPC070	Unnamed Tributary to Atigun River	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
164.1	WPC071	Unnamed Tributary to Atigun River	Minor	IN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
164.2	WPC071.1	Unnamed Tributary to Atigun River	Minor	IN	7	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
165.0	WPC072	Unnamed Tributary to Atigun River	Minor	IN	6	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
165.2	WPC073	Unnamed Tributary to Atigun River	Minor	IN	29	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
165.4	WPC074	Unnamed Tributary to Atigun River	Minor	IN	270	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
165.6	WPC074.1	Unnamed Tributary to Atigun River [j]	Minor	IN	20	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
165.6	WPC075	Unnamed Tributary to Atigun River [j]	Minor	IN	200	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
166.2	WPC075.1	Atigun River No. 2A	Minor	PNM	560	0	Frozen-Cut	Winter	No	None	N/A	ND	GR (AECOM) GR (ADFG) AC, BB?, CN, GR, LT?, RW (TAPS)	None	No	No	8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
166.6	WPC076	Atigun River No. 2B	Minor	PNM	1120	0	Frozen-Cut	Winter	Yes	None	N/A	ND	GR (AECOM) GR (ADFG) AC, BB?, CN, GR, LT?, RW (TAPS)	None	No	No	8
167.1	WPC076.2	Atigun River No. 2D	Minor	PNM	2810	0	Frozen-Cut	Winter	Yes	None	N/A	ND	GR (AECOM) GR (ADFG) AC, BB?, CN, GR, LT?, RW (TAPS)	None	No	No	8
167.6	WPC076.4	Atigun River No. 2E	Minor	IN	945	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	8
167.8	WPC076.5	Unnamed Tributary to Atigun River	Minor	IN	80	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
168.1	WPC076.6	Atigun River No. 2F	Minor	PNM	3850	0	Frozen-Cut	Winter	No	None	N/A	ND	GR (AECOM) GR (ADFG) AC, BB?, CN, GR, LT?, RW (TAPS)	None	No	No	8
168.6	WPC082	Unnamed Tributary to Atigun River	Minor	IN	200	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	8
168.6	WPC082.1	Atigun River No. 2G	Minor	PNM	150	0	Frozen-Cut	Winter	No	None	N/A	ND	GR (AECOM) GR (ADFG)	None	No	No	None
169.3	WPC082.2	Unnamed Tributary to Atigun River	Minor	IN	8	8	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
Lower Colville Sub-watershed (HUC8)																	
137.7	WPC048-B	Jill Creek	Minor	IN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	AC?, GR (TAPS)	None	No	No	None
Middle Fork-North Fork Chandalar Rivers Sub-watershed (HUC8)																	
171.1	WPC082.3	Unnamed Stream	Inter-mediate	IN	50	45	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
171.9	WPC083	Unnamed Stream	Inter-mediate	PNM	525	25	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	GR (ADFG)	None	No	No	None
171.9	WPC083.1	Unnamed Stream	Minor	IN	250	9	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
173.5	WPC084.1	Unnamed Tributary to North Fork Chandalar River	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
173.8	WPC086.1	Unnamed Tributary to North Fork Chandalar River	Inter-mediate	IN	30	25	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
174.2	WPC086.2	Unnamed Stream	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
174.4	WPC086.3	Unnamed Stream	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
175.3	WPC089.1	Unnamed Tributary to North Fork Chandalar River	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
175.8	WPC089.2	Unnamed Tributary to North Fork Chandalar River	Minor	IN	12	6	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
175.8	WPC089.3	Unnamed Tributary to North Fork Chandalar River	Minor	IN	10	6	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
175.9	WPC089.4	Unnamed Stream	Minor	IN	12	6	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
175.9	WPC089.5	Unnamed Stream	Minor	IN	9	6	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
Upper Koyukuk River Sub-watershed (HUC8)																	
179.2	WPC095-B	Dietrich River No. 1	Minor	PNM	7330	0	Frozen-Cut	Winter	Yes	None	N/A	ND	GR, CN, DV (ADFG) BB?, CN, DV, GR, LS?, RW (TAPS)	None	No	No	8
180.7	WPC096	Wetfoot Creek [j]	Minor	PNM	695	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	GR, CN (AECOM)	None	No	No	None
181.3	WPC098-C	Dietrich River No. 2	Minor	PNM	4800	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	GR, CN, DV (ADFG) BB?, CN, DV, GR, LS?, RW (TAPS)	None	No	No	8
181.9	WPC098.1	Oskar`s Eddy	Minor	IN	200	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling	GR (ADFG) DV, GR (TAPS)	None	Unk.	No	None
183.0	WPC098.2	Unnamed Tributary to Dietrich River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
183.6	WPC100	Unnamed Tributary to Dietrich River	Inter-mediate	IN	16	11	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
183.8	WPC101	Unnamed Tributary to Dietrich River	Inter-mediate	IN	19	14	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
184.5	WPC102	Unnamed Tributary to Dietrich River	Minor	IN	68	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
185.1	WPC103	Unnamed Tributary to Dietrich River	Minor	IN	12	7	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
185.5	WPC103.1	Unnamed Stream	Minor	IN	5	5	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
187.6	WPC104	Nutirwik Creek	Inter-mediate	PN	90	16	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	CN, DV, GR, RW? (TAPS)	None	No	No	None
188.7	WPC105	Unnamed Tributary to Dietrich River	Inter-mediate	IN	29	24	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	GR (ADFG) GR, CN (TAPS)	None	No	No	None
188.9	WPC106	Unnamed Tributary to Dietrich River	Inter-mediate	IN	27	22	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR (ADFG) GR, CN (TAPS)	None	No	No	None
189.0	WPC107	Unnamed Tributary to Dietrich River	Inter-mediate	PN	36	31	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR (ADFG) GR, CN (TAPS)	None	No	No	None
189.2	WPC108	Beaver Dam Brook	Inter-mediate	IN	24	19	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	GR (ADFG) GR, CN (TAPS)	None	No	No	None
189.7	WPC109	Unnamed Tributary to Dietrich River	Inter-mediate	PN	30	25	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
190.0	WPC110	Unnamed Tributary to Dietrich River	Inter-mediate	IN	17	12	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
190.7	WPC111	Tracey's Trickle	Minor	IN	370	6	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
193.7	WPC112	Ruff Creek	Minor	PNM	500	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
195.1	WPC113	Steep Creek [j]	Inter-mediate	PN	140	28	Dry-Ditch Open-Cut	Summer	No	None	N/A	No fish collected or observed	ND	None	No	No	None
196.3	WPC113.1	Unnamed Stream	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
197.7	WPC113.2	Unnamed Stream	Minor	IN	8	8	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
197.8	WPC114	Unnamed Tributary to Dietrich River [j]	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
199.1	WPC115	Unnamed Tributary to Dietrich River	Inter-mediate	PNM	23	18	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
199.9	WPC116	Unnamed Tributary to Dietrich River	Minor	IN	11	6	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
200.6	WPC117	Number Lakes Creek	Minor	IN	22	5	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
201.0	WPC117.5	Unnamed Tributary to Dietrich River	Minor	IN	14	8	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
201.8	WPC118	Snowden Creek [j]	Inter-mediate	PN	160	63	Dry-Ditch Open-Cut	Summer	No	None	N/A	Arctic grayling; Slimy sculpin	GR, CN (AECOM) GR, CN (ADFG) CN, DV, GR, RW? (TAPS)	None	Unk.	No	None
202.2	WPC118.1	Unnamed Tributary to Dietrich River	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
202.6	WPC119	Unnamed Tributary to Dietrich River	Inter-mediate	IN	22	17	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
202.8	WPC120	Unnamed Tributary to Dietrich River	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
203.5	WPC121	Sahr's Slough	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
203.8	WPC121.1	Unnamed Stream	Minor	IN	5	5	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
204.8	WPC122	Disaster Creek	Inter-mediate	PN	92	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	CN, GR (TAPS)	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
206.8	**WBC008 [p]**	**Pond Outlet to Dietrich River**	**Minor**	**PN**	**9**	**9**	**Wet-Ditch Open-Cut**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**No**	**No**	**None**
207.5	WPC123	Brockman Creek	Inter-mediate	PNM	330	75	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling; Slimy sculpin; Dolly Varden	GR, DV, CN (AECOM) GR, DV, CN (ADFG) CN, DV, GR, RW (TAPS)	None	Unk.	No	None
208.3	WPC124	1415 Lake Inlet No. 1	Minor	IN	10	0	Wet-Ditch Open-Cut	Summer	No	None	N/A	No collection effort	ND	None	No	No	None
208.8	WPC125	Dietrich River No. 3 [j]	Inter-mediate	PNM	220	100	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR, DV, CN (ADFG) BB, CN, DV?, GR, KS?, LS, RW (TAPS)	None	No	No	8
209.2	WPC126	Eva Creek	Minor	PN	15	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling; Slimy sculpin; Dolly Varden	GR (AECOM) DV, GR, CN (ADFG) CD?, GR (TAPS)	None	Unk.	No	None
209.4	**WBC009-HLPAD [p]**	**Eva Creek**	**Minor**	**PN**	**0 [p]**	**0**	**Culvert [p]**	**Winter**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk.**	**No**	**None**
210.7	WPC126.1	Unnamed Stream	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
211.1	WPC127	Middle Fork Koyukuk River	Major	PNM	2080	280	DMT	Summer	No [n]	334-40-11000-2125-3912	CHp, Kp, SFp, Wp	Burbot; Arctic grayling; Longnose sucker; Slimy sculpin;	GR, CN, CD (AECOM) CH, BB, GR, LS, CN (ADFG) BB?, CN, DS?, DV, GR, LS, NP?, RW (TAPS)	CHp, Kp	Unk.	Unk.	3,4,5,8
213.3	WPC129-B	West Fork Sukakpak Creek	Minor	IN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling; Slimy sculpin	GR, CN (AECOM) GR, CN (ADFG) CN, DV, GR (TAPS)	None	Unk.	No	None
214.6	WPC129.1-B	Unnamed Stream	Minor	IN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
218.5	WPC130	Linda Creek	Minor	PN	30	0	Frozen-Cut [l]	Winter	Yes	None	N/A	Arctic grayling; Slimy sculpin	GR, CN, CD (AECOM) GR, CN (ADFG) CN, GR (TAPS)	None	Unk.	No	None
219.1	WPC131	Gold Creek [j]	Minor	PN	25	5	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	Arctic grayling; Slimy sculpin	GR, CN, CD (AECOM) GR, CN (ADFG) CN, DV?, GR, RW? (TAPS)	None	Unk.	No	None
219.5	WPC132	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	15	0	Frozen-Cut [l]	Winter	Yes	None	N/A	No fish collected or observed	GR? (TAPS)	None	No	No	None
219.9	WPC133-B	Sheep Creek	Minor	PN	375	0	Frozen-Cut [l]	Winter	Yes	None	N/A	Arctic grayling; Slimy sculpin	GR, CN, CD (AECOM) GR, CN (ADFG) CN, GR (TAPS)	None	Unk.	No	None
220.1	WPC134-B	Wolf Pup Creek	Minor	IN	9	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
220.3	**WBC010 [p]**	**Wolf Pup Creek**	**Minor**	**IN**	**9**	**0**	**Frozen-Cut [l]**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
221.1	WPC135-B	Nugget Creek	Minor	PN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling; Longnose sucker; Slimy sculpin	GR, LS, CD (AECOM) GR, LS, CN (ADFG) CN?, GR (TAPS)	None	Unk.	No	None
222.2	**WBC011 [p]**	**Over Creek**	**Minor**	**IN**	**12**	**0**	**Frozen-Cut [l]**	**Winter**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
223.2	WPC136	Over Creek	Minor	IN	12	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
223.6	WPC137	Rainbow Gulch	Minor	IN	10	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
224.3	**WBC012 [p]**	**Unnamed Tributary to Middle Fork Koyukuk River**	**Minor**	**IN**	**0 [p]**	**0**	**Frozen-Cut [l]**	**Winter**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
224.9	WPC138	Coon Gulch	Minor	IN	20	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
225.0	WPC138.1	Coon Gulch	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	Arctic grayling; Slimy sculpin	ND	None	Unk.	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
225.9	WPC139	Montana Gulch	Minor	IN	25	5	Dry-Ditch Open-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
226.2	WPC139.1	Unnamed Stream	Minor	IN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
227.0	WPC140	Bluff Gulch	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
229.1	WPC141	Minnie Creek [j]	Minor	PN	70	0	Frozen-Cut	Winter	No	334-40-11000-2125-3912-4128	Kr	Arctic grayling; Slimy sculpin	GR, CN (AECOM) K, GR, CN (ADFG) BB, CN, DV, GR, LS, RW, KS (TAPS)	Kr	Unk.	Kr	4,5,7,8
230.4	WPC142	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	8	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
230.5	WPC143	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	7	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
231.9	**WBC013 [p]**	**Unnamed Tributary to Middle Fork Koyukuk River**	**Minor**	**IN**	**7**	**0**	**Frozen-Cut**	**Winter**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
233.1	WPC144	Dry Gulch	Minor	IN	8	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
234.2	WPC145	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	21	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
234.3	WPC145.1	Unnamed Stream	Minor	IN	8	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
234.7	**WBC014 [p]**	**Unnamed Tributary to Middle Fork Koyukuk River**	**Minor**	**IN**	**7**	**0**	**Frozen-Cut**	**Winter**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
235.5	WPC146	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	12	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
236.0	WPC147	Pence's Pond	Minor	IN	50	0	Frozen-Cut	Winter	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
236.5	WPC148	Marion Creek [j]	Minor	PN	35	0	Frozen-Cut	Winter	Yes	334-40-11000-2125-3912-4112	CHs, Kr	Chinook salmon	K, CD, CN (AECOM) K, CN (ADFG) CN, DV, GR, KS, RW (TAPS)	CHs, Kr	Yes	CHs, Kr	3,4,5,8
237.6	WPC149	Mary Angel Creek	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	Arctic grayling; Longnose sucker; Slimy sculpin	GR, LS, CN (AECOM) GR, LS, CN (ADFG) BB, CN, GR, LS, WF (TAPS)	None	Unk.	No	None
237.8	**WBC015 [p]**	**Unnamed Tributary to Middle Fork Koyukuk River**	**Minor**	**IN**	**7**	**0**	**Frozen-Cut**	**Winter**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
239.8	WPC150	Clara Creek [j]	Minor	IN	17	0	Frozen-Cut	Winter	No	None	N/A	ND	CN?, GR, RW? (TAPS)	None	No	No	None
240.4	WPC150.1	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	CD?, DV?, GR, RW? (TAPS)	None	No	No	None
241.0	WPC151	Slate Creek No. 1 [j]	Minor	PN	30	0	Frozen-Cut	Winter	Yes	334-40-11000-2125-3912-4100	CHp, Kp	ND	CH, K (ADFG) CN, DS, DV, GR, KS, RW (TAPS)	CHp, Kp	No	Unk.	3,5,8
242.7	WPC152	Spring Slough (Horseshoe)	Minor	IN	20	5	Wet-Ditch Open-Cut	Winter	No	None	N/A	ND	CD?, GR, KS (TAPS)	None	No	No	None
246.2	WPC153	Rosie Creek [j]	Minor	PN	105	8	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	Arctic grayling; general fish observation, no species information	GR, Unk. (AECOM) GR (ADFG) CN?, DV?, GR, RW?, KS (TAPS)	None	Unk.	No	None
246.6	WPC154	Unnamed Tributary to Rosie Creek	Minor	IN	10	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
246.8	WPC155	South Fork Rosie Creek	Minor	IN	8	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
247.9	WPC156	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	12	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
248.0	WPC157	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	9	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
248.2	WPC157.1	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	5	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
249.2	WPC157.12	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	10	0	Frozen-Cut [l]	Winter	Yes	None	N/A	No collection effort	GR, CN (ADFG) CN, GR, KS, RW (TAPS)	None	No	No	None
249.2	WPC157.2	Unnamed Stream [j]	Minor	PN	10	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	GR, CN (ADFG) CN, GR, KS, RW (TAPS)	None	No	No	None
249.4	WPC158	Jackson Slough [j]	Minor	IN	15	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
250.6	WPC159-C	Trent's Trickle	Minor	IN	8	0	Frozen-Cut [l]	Winter	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) CN, GR, NP? (TAPS)	None	Unk.	No	None
251.8	**WBC017 [p]**	**Ninety-Six Creek**	**Minor**	**IN**	**9**	**9**	**Wet-Ditch Open-Cut [p]**	**Summer**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
252.0	WPC159.1	Ninety-Six Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
253.5	WPC160.1	South Fork Windy Arm Creek	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG)	None	Unk.	No	None
254.4	WPC161	Chapman Creek [j]	Inter-mediate	PN	20	12	Wet-Ditch Open-Cut	Summer	No	None	N/A	Northern pike	NP (AECOM) NP (ADFG) CD?, GR, NP? (TAPS)	None	Unk.	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
255.0	WPC161.1	Unnamed Tributary to Chapman Creek	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
255.7	WPC162-B	Crossroads Creek (No. 2)	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	No fish collected or observed	ND	None	No	No	None
South Fork Koyukuk River Sub-watershed (HUC8)																	
258.7	WPC162.1	Unnamed Stream	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
259.2	WPC162.2	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
260.7	WPC163	South Fork Koyukuk River	Inter-mediate	PN	735	90	Dry-Ditch Open-Cut	Winter	Yes	334-40-11000-2125-3740	CHp, COp, Kp, Wp	Chinook salmon; Arctic grayling	K, GR (AECOM) CH, K, W, GR (ADFG) BB?, BW?, CN, DS, GR, HW?, KS, LS, NP?, RW, SK? (TAPS)	CHp, COp, Kp	Yes	CH,K	5,8
261.0	WPC163.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
262.8	WPC164	Aba-dabba Creek	Inter-mediate	PN	13	13	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
263.2	WPC164.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
263.5	WPC164.2	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
263.7	WPC165	Unnamed Tributary to Elwood Creek (No. 3)	Inter-mediate	IN	11	11	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
264.5	WPC165.05	Unnamed Tributary to Grayling Creek	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
265.3	WPC165.1	Unnamed Tributary to Grayling Creek	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
265.5	WPC166	Grayling Creek	Inter-mediate	IN	20	15	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
265.9	WPC166.1	Unnamed Stream	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
266.3	WPC166.2	Unnamed Stream	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
266.9	WPC167	Grayling Creek	Minor	PN	6	6	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
267.6	**WBC019 [p]**	**Unnamed Tributary to Grayling Creek**	**Minor**	**IN**	**9 [p]**	**9 [p]**	**Wet-Ditch Open-cut [p]**	**Summer**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
268.2	WPC168	Unnamed Tributary to Grayling Creek	Inter-mediate	IN	19	14	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
268.7	**WBC019 [p]**	**Unnamed Tributary to Grayling Creek**	**Minor**	**IN**	**9 [p]**	**9 [p]**	**Wet-Ditch Open-cut [p]**	**Summer**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
271.0	WPC169	Unnamed Tributary to Jim River	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
272.1	WPC169.1	Drainage Ditch	Minor	O	12	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
272.5	WPC170	Jim River [j]	Inter-mediate	PN	210	80	Wet-Ditch Open-Cut	Summer	Yes	334-40-11000-2125-3740-4080	CHs, COp, Ks	Chinook salmon	K, CN, Unk. (AECOM) CH, K, GR, CN (ADFG) BB;, CN, DS, GR, HW, KS, LS, NP, RW (TAPS)	CHs, COp, Ks	Yes	CH,K	3,5
272.6	WPC170.1	Unnamed Stream	Inter-mediate	PN	50	20	Wet-Ditch Open-Cut	Summer	No	None	N/A	Chinook salmon; Arctic grayling;	K, CN, Unk. (AECOM) CH, K, GR, CN (ADFG)	CHp	Unk.	No	5

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
273.0	**WBC022 [p]**	**Unnamed Tributary to Jim River**	**Minor**	**PN**	**5**	**5**	**Wet-Ditch Open-Cut [p]**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
273.4	WPC170.2	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
274.0	WPC170.3	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
274.8	WPC171	Douglas Creek [j]	Inter-mediate	PN	250	30	Wet-Ditch Open-Cut	Summer	Yes	334-40-11000-2125-3740-4080-5062	Kr	Chinook salmon	K (AECOM) K (ADFG) CN, GR, RW?, KS (TAPS)	CHp, Kr	Unk.	Kr	4,8
275.8	WPC171.1	Unnamed Tributary to Jim River (Gas Bubble Slough)	Minor	IN	8	3	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
278.2	**WBC023 [p]**	**Unnamed Tributary to Jim River**	**Minor**	**IN**	**5 [p]**	**5 [p]**	**Wet-Ditch Open-Cut [p]**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
278.7	WPC172	Unnamed Tributary to Jim River	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
279.2	**WBC024 [p]**	**Unnamed Tributary to Jim River**	**Minor**	**IN**	**5 [p]**	**5 [p]**	**Wet-Ditch Open-Cut [p]**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
280.6	WPC173-C	Unnamed Tributary to Prospect Creek	Minor	IN	12	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	Chinook salmon	ND	CHp	Unk.	No	5
281.3	WPC174	Prospect Creek [j]	Inter-mediate	PN	75	45	Wet-Ditch Open-Cut	Summer	Yes	334-40-11000-2125-3740-4080-5030	Ksr	Chinook salmon; slimy sculpin	K, CD, Unk. (AECOM) K, CN (ADFG) CN, GR, KS, LS, NP, RW (TAPS)	CHp, Ksr	Yes	Ksr	3,4,8
281.7	WPC175	Unnamed Tributary to Prospect Creek	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
285.9	WPC176-C	Little Nasty Creek	Minor	PN	16	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	CN, GR, RW (TAPS)	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
286.3	WPC177-C	South Fork Little Nasty Creek	Minor	PN	17	6	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	CD?, GR (TAPS)	None	No	No	None
288.5	WPC178	North Fork Bonanza Creek [j]	Inter-mediate	PN	90	50	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) BB, CN, GR, HW?, LS, LW, NP, RW (TAPS)	None	Unk.	No	None
290.1	WPC181	South Fork Bonanza Creek [j]	Inter-mediate	PN	70	40	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling; Slimy sculpin	CN, GR, CD, Unk. (AECOM) GR, CN (ADFG) BB, CN, GR, HW?, LS, NP, RW (TAPS)	None	Unk.	No	None
293.7	WPC182	Pung's Crossing Creek	Minor	PN	12	7	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	CD?, GR, RW? (TAPS)	None	No	No	None
297.2	WPC183	Alder Mountain Creek	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	CN, GR?, RW? (TAPS)	None	No	No	None
298.8	WPC184-B	Fish Creek No. 1 [j]	Inter-mediate	PN	110	30	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling; Slimy sculpin	GR, CN (AECOM) GR, CN, RW (ADFG) BW?, CN, DS?, GR, LS, NP?, RW, SK (TAPS)	None	Unk.	No	8
300.3	WPC185	Middle Fork Fish Creek	Minor	PN	17	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling; Slimy sculpin	GR, CN, CD, Unk. (AECOM) GR, CN (ADFG) CN, GR, RW (TAPS)	None	Unk.	No	None
301.5	WPC186-C	South Fork Fish Creek	Minor	PN	35	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Slimy sculpin	CN, CD (AECOM) CN (ADFG) CN,	None	Unk.	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
													GR, RW? (TAPS)				
Kanuti River Sub-watershed (HUC8)																	
304.8	WPC187	Unnamed Tributary to Kanuti River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
305.3	WPC188	Unnamed Tributary to Kanuti River	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
307.1	WPC189	Kanuti River [j]	Inter-mediate	PN	75	50	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) BB, BC?, BW?, CN, CS?, DS?, GR, HW?, IN?, LS?, NP, RW (TAPS)	None	Unk.	No	8
310.2	WPC190	Caribou Mountain Creek	Minor	PN	12	7	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR (TAPS)	None	No	No	None
312.7	WPC191	Unnamed Tributary to Olson's Lake Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	GR (TAPS)	None	No	No	None
313.1	WPC192	Olson's Lake Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	GR (TAPS)	None	No	No	None
Yukon Flats-Yukon River Sub-watershed (HUC8)																	
316.1	WPC193	Unnamed Tributary to Finger Mountain Creek	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
316.6	WPC194	Finger Mountain Creek	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
317.4	WPC195	Eight-Five Creek	Minor	IN	11	6	Wet-Ditch Open-Cut	Summer	No	None	N/A	No fish collected or observed	ND	None	No	No	None
318.9	WPC196	Smokey Creek	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
319.2	WPC197	Unnamed Tributary to Smokey Creek	Minor	IN	14	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
319.8	WPC198	Middle Branch West Fork Dall River	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	CD?, GR, IN?, WF? (TAPS)	None	No	No	None
320.6	**WBC026 [p]**	**Unnamed Tributary to Middle Branch West Dall River**	**Minor**	**IN**	**7 [p]**	**4 [p]**	**Wet-Ditch Open-Cut**	**Summer**	**No**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk.**	**No**	**None**
322.1	WPC199	South Branch West Fork Dall River [j]	Minor	PN	15	10	Dry-Ditch Open-Cut	Summer	No	None	N/A	Arctic grayling; Dolly Varden	GR, DV (AECOM) DV, GR (ADFG) CD?, GR, IN?, WF? (TAPS)	None	Unk.	No	None
323.5	WPC200-B	Unnamed Tributary to South Branch West Fork Dall River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
323.9	WPC200.5	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
324.1	WPC201-B	Unnamed Tributary to South Branch West Fork Dall River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
Ramparts-Yukon River Sub-watershed (HUC8)																	
325.9	WPC202-B	Unnamed Tributary to North Fork Ray River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
327.3	WPC202.1	Unnamed Tributary to	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
		North Fork Ray River															
328.7	WPC203	Unnamed Tributary to Fed Creek	Minor	IN	6	6	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
329.4	WPC204	Fed Creek	Minor	IN	15	10	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	CD?, GR (TAPS)	None	No	No	None
334.1	WPC205	North Fork Ray River [j]	Inter-mediate	PN	20	15	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling	GR (AECOM) GR, BB, CN (ADFG) BB?, CN, GR, IN?, LC?, LS, NP, RW (TAPS)	None	Unk.	No	None
335.2	**WBC027 [p]**	**Unnamed Tributary to North Fork Ray River**	**Minor**	**IN**	**5 [p]**	**5 [p]**	**Wet-Ditch Open-Cut**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
337.6	WPC207	Unnamed Tributary to North Fork Ray River [j]	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
340.7	WPC208	Hamlin Hills Creek [j]	Inter-mediate	PN	40	22	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) CD?, GR, RW, NP (TAPS)	None	Unk.	No	None
341.8	WPC209	Eight-O-Clock Creek	Minor	IN	8	8	Dry-Ditch Open-Cut	Summer	No	None	N/A	No fish collected or observed	ND	None	No	No	None
343.4	WPC210	Unnamed Tributary to Ray River	Minor	IN	8	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
344.8	WPC211	Unnamed Tributary to Ray River	Inter-mediate	IN	16	11	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
346.2	WPC212	Unnamed Tributary to Ray River	Minor	IN	8	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
347.6	WPC213	Unnamed Tributary to Ray River	Minor	IN	8	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
349.2	WPC214	Phelps Creek	Minor	IN	12	0	Frozen-Cut [l]	Winter	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) GR (TAPS)	None	Unk.	No	None
351.3	WPC214.1	Unnamed Tributary to Ray River	Minor	IN	16	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
352.9	WPC214.2	Unnamed Tributary to Ray River	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
354.8	WPC215	Woodchopper Creek	Minor	IN	12	0	Frozen-Cut	Winter	Yes	None	N/A	ND	CD?, GR, NP?, WF? (TAPS)	None	No	No	None
355.6	WPC216	Burbot Creek	Minor	IN	8	0	Frozen-Cut	Winter	Yes	None	N/A	ND	BB (TAPS)	None	No	No	None
356.5	WPC217	Yukon River [j]	Major	PN	2400	2000	DMT	Summer	No [n]	334-40-11000	CHp, COp, Kp, Pp, Sp, SFp, Wp	ND	CH, CO, K, SF, W (ADFG) AL?, BB, BC?, BL?, BW, CA?, CN, CS?, DS, GR, HO?, HW, IN, KS, LC, LS, NP, OM?, PS?, RS?, RW, SS, TP (TAPS)	CHp, COp, Kp, Pp, Sp	Yes	Yes	1,5,6,7,8
358.6	WPC217.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
364.7	WPC218	Unnamed Tributary to Isom Creek	Inter-mediate	IN	12	12	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
365.9	WPC219	Unnamed Stream	Inter-mediate	IN	36	12	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
366.0	WPC220	Unnamed Tributary to Isom Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
366.8	WPC221	Isom Creek	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR (TAPS)	None	No	No	None
369.7	WPC222	Unnamed Tributary to Hess Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
369.9	WPC222.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
371.4	WPC223	Unnamed Tributary to Hess Creek	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
372.2	WPC224	Unnamed Tributary to Hess Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
373.8	WPC225	Hot Cat Creek	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling; general fish observation, no species information	GR, Unk. (AECOM) GR (ADFG) GR (TAPS)	None	Unk.	No	None
374.9	WPC226	Unnamed Stream	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
375.5	WPC227	Unnamed Stream	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
376.6	WPC228	Unnamed Tributary to Hess Creek	Minor	IN	9	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
377.0	WPC228.1	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
377.6	WPC229	Unnamed Tributary to Hess Creek	Minor	IN	9	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
378.1	WPC229.1	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
380.1	WPC229.2	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
380.4	WPC229.3	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
380.4	WPC229.4	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
380.6	WPC229.5	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
381.6	WPC230	Hess Creek Side Channel [j]	Minor	PN	35	8	Dry-Ditch Open-Cut [m]	Winter	Yes	None	N/A	ND	CN, GR, DV, Si, CN (AECOM) GR, CN, LS, BB (ADFG) AL?, BC, BW, CN, CS, DS, GR, HW, IN, LS, NP, RW (TAPS)	None	No	No	None
381.7	WPC231	Hess Creek	Minor	PN	170	8	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	Arctic grayling; Slimy sculpin	CN, GR, DV, Si, CN (AECOM) GR, CN, LS, BB (ADFG) AL?, BC, BW, CN, CS, DS, GR, HW, IN, LS, NP, RW (TAPS)	None	Unk.	No	8
381.9	WPC231.1	Hess Creek Side Channel [j]	Minor	IN	13	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
385.8	WPC232.1	Erickson Creek No. 1 [j]	Inter-mediate	PN	50	25	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR, CN (ADFG) CN?, GR, LS (TAPS)	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
386.6	WPC232.2	Unnamed tributary to Erickson Creek	Minor	PN	20	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
386.9	WPC232.3	Unnamed Tributary to Erickson Creek	Minor	PN	20	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
387.9	WPC232.4	Erickson Creek No. 2 [j]	Inter-mediate	PN	20	12	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR, CN (ADFG) CN?, GR, LS (TAPS)	None	No	No	None
391.3	WPC233.1	Erickson Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
Tolovana River Sub-watershed (HUC8)																	
395.7	WPC234	Lost Creek [j]	Inter-mediate	PN	23	18	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) CN, GR, WF (TAPS)	None	Unk.	No	None
399.0	WPC235	Unnamed Tributary to West Fork Tolovana River	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
402.0	WPC235.1	Unnamed Creek (Tolovana River Oxbow)	Inter-mediate	O	90	35	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR, CN (ADFG)	None	No	No	None
402.2	WPC236	Tolovana River [j]	Minor	PN	70	5	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	Arctic grayling	CN, GR (AECOM) GR, CN (ADFG) AB?, BB, CI, CN?, CS?, DS, GR, HW, IN (TAPS)	None	Unk.	No	None
402.3	WPC236.1	Tolovana River Oxbow No. 2	Minor	O	90	0	Frozen-Cut	Winter	Yes	None	N/A	ND	GR, CN (ADFG)	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries
402.7	WPC237	Unnamed Tributary to Tolovana River	Minor	IN	18	0	Frozen-Cut	Winter	No	None	N/A	ND	WF (AECOM)	None	No	No	None
403.5	WPC238	Shorty Creek	Minor	IN	8	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
405.3	WPC239	Winter Creek	Minor	IN	9	0	Frozen-Cut	Winter	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
405.9	WPC239.1	Unnamed Tributary to Tolovana River	Minor	PN	8	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
407.5	WPC240	Eagle Creek No. 1	Minor	PN	9	0	Frozen-Cut	Winter	Yes	None	N/A	No collection effort	ND	None	No	No	None
408.7	WPC242	Unnamed Tributary to Tolovana River	Minor	PN	14	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
426.8	**WBC034 [p]**	**Unnamed Tributary to Tatalina River**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
430.5	WPC259	Tatalina River [j]	Inter-mediate	PN	91	20	Dry-Ditch Open-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
431.0	**WBC035 [p]**	**Unnamed Tributary to Tatalina River**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
432.1	WPC260	Unnamed Tributary to Tatalina River	Minor	PN	12	0	Frozen-Cut	Winter	Yes	None	N/A	ND	AB (AECOM)	None	No	No	None
432.6	WPC261	Unnamed Tributary to Washington Creek	Minor	IN	9	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
432.8	WPC262	Washington Creek [j]	Inter-mediate	PN	40	20	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	ND	BB, WF (AECOM) GR (ADFG)	None	No	No	None
433.6	**WBC036 [p]**	**Unnamed Tributary to Washington Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
433.9	**WBC036.1 [p]**	**Unnamed Tributary to Washington Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
434.5	**WBC036.2 [p]**	**Unnamed Tributary to Washington Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
439.1	WPC263	Chatanika River	Inter-mediate	PN	225	50	Dry-Ditch Open-Cut	Winter	Yes	334-40-11000-2490-3151-4020	CHp, COp, Kp	General fish observation, no species information	CH, CO, K, Unk. (ADFG)	CHp, COp, Kp	Yes	CH,K	5,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
439.3	WPC264	Chatanika River Oxbow	Minor	O	200	10	Dry-Ditch Open-Cut [m]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
439.6	WPC264.1	Unnamed Stream	Minor	PN	9	0	Frozen-Cut [l]	Winter	Yes	None	N/A	Alaska blackfish	AB (ADFG)	None	Unk.	No	None
439.9	WPC264.2	Unnamed Tributary to Goldstream Creek	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
442.4	WPC266-C	Unnamed Tributary to Goldstream Creek	Minor	IN	6	0	Frozen-Cut	Winter	Yes	None	N/A	No collection effort	ND	None	No	No	None
443.3	WPC266.1-C	Unnamed Tributary to Goldstream Creek	Minor	IN	9	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
444.0	WPC268	Unnamed Tributary to Goldstream Creek	Minor	IN	15	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
445.3	WPC269.5	Unnamed Tributary to Minto Lakes	Minor	IN	16	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
446.4	WPC270	Unnamed Tributary to Goldstream Creek	Minor	IN	7	0	Frozen-Cut [l]	Winter	Yes	None	N/A	No collection effort	ND	None	No	No	None
447.2	**WBC038 [p]**	**Unnamed Tributary to Goldstream Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
447.8	**WBC038.1 [p]**	**Unnamed Tributary to Goldstream Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
448.7	WPC271	Unnamed Tributary to Goldstream Creek	Minor	IN	12	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
449.6	WPC272	Unnamed Tributary to Goldstream Creek	Minor	IN	12	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
450.5	WPC273	Unnamed Tributary to Goldstream Creek	Minor	IN	10	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
452.3	WPC273.1	Unnamed Tributary to Goldstream Creek	Minor	IN	8	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
453.2	**WBC040 [p]**	**Unnamed Tributary to Goldstream Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
453.8	WPC273.2	Unnamed Tributary to Goldstream Creek	Minor	IN	8	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
455.0	WPC274	Goldstream Creek [j]	Minor	PN	110	10	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	ND	WF (AECOM)	None	No	No	None
465.7	WPC274.1	Unnamed Stream [j]	Inter-mediate	PN	55	12	Dry-Ditch Open-Cut	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	None
465.8	WPC275-B	Little Goldstream Creek [j]	Minor	PN	40	5	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
Lower Tanana River Sub-watershed (HUC8)																	
469.3	WPC275.3	Unnamed Tributary to Tanana River	Minor	IN	54	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
469.9	WPC275.4	Unnamed Tributary to Tanana River	Minor	IN	110	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
473.0	WPC276-B	Tanana River	Major	PN	2400	2200	DMT	Summer	No [n]	334-40-11000-2490	CHp, COp, Kp	ND	CH, CO, K (ADFG)	CHp, COp, Kp	Yes	CH,CO	5,6,7,8
Nenana River Sub-watershed (HUC8)																	
474.3	WPC276.1	Unnamed Stream [j]	Minor	IN	60	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
476.0	WPC279-B	Nenana River No. 1 [j]	Major	PN	350	180	Dry-Ditch Open-Cut [m]	Winter	Yes	334-40-11000-2490-3200	CHp, COp, Kp	ND	CH, CO, K (ADFG)	CHp, COp, Kp	Yes	CH,CO	5,7,8
478.5	WPC280	Unnamed Stream	Minor	IN	32	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
483.4	WPC280.1	Unnamed Tributary to Nenana River	Minor	IN	15	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
485.5	WPC281	Unnamed Tributary to Nenana River	Minor	PN	25	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
486.9	WPC281.1	Unnamed Tributary to Nenana River	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
489.2	WPC282	Nenana River No. 2	Inter-mediate	PNM	54	15	Dry-Ditch Open-Cut	Winter	Yes	334-40-11000-2490-3200	CHp, COp, Kp	ND	CH, CO, K (ADFG)	CHp, COp, Kp	Yes	CH,CO	5,7,8
494.9	**WBC042 [p]**	**Unnamed Stream**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
501.5	WPC285	Birch Creek	Minor	PN	25	5	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	No collection effort	ND	None	No	No	None
502.1	WPC285.2	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
504.7	WPC286	Bear Creek	Minor	PN	14	0	Frozen-Cut	Winter	Yes	334-40-11000-2490-3200-4220-5005-6016	CHs, COs	No collection effort	CH, CO (ADFG)	CHs, COs	Yes	CH,CO	3,5,8
504.9	WPC287	June Creek	Minor	PN	9	0	Frozen-Cut	Winter	No	334-40-	CHs, COs	No collection effort	CO (ADFG)	CHs, COs	Yes	CH,CO	3,5,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										11000-2490-3200-4220-5005							
506.7	WPC287.05	Unnamed Tributary to Nenana River	Minor	IN	30	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
507.8	WPC287.1-C	Unnamed Tributary to Nenana River	Minor	PN	5	0	Frozen-Cut	Winter	Yes	None	N/A	No collection effort	CN (AECOM)	None	No	No	None
512.7	WPC288	Rock Creek	Minor	PN	13	0	Frozen-Cut	Winter	Yes	None	N/A	No collection effort	ND	None	No	No	None
515.8	WPC289	Slate Creek No. 2	Minor	PN	16	0	Frozen-Cut	Winter	Yes	None	N/A	ND	GR, DV (AECOM)	None	No	No	None
519.6	WPC290	Little Panguingue Creek	Minor	PN	14	0	Frozen-Cut	Winter	Yes	None	N/A	No collection effort	ND	None	Yes	No	3,4,8
521.0	WPC291	Panguingue Creek [j]	Inter-mediate	PN	20	15	Dry-Ditch Open-Cut	Summer	Yes	334-40-11000-2490-3200-4075	COsr	No collection effort	CO (ADFG)	COsr	Yes	CH,CO	3,4,8
523.6	WPC292	Unnamed Tributary to Nenana River	Minor	IN	5	5	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
525.9	WPC293	Dry Creek [j]	Minor	IN	35	0	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
527.9	**WBC044 [p]**	**Unnamed Stream**	**Minor**	**PN**	**6 [p]**	**4 [p]**	**Wet-Ditch Open-Cut**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
530.4	WPC294	Antler Creek	Minor	PN	25	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
531.4	WPC295	Unnamed Tributary to Nenana River	Minor	PN	9	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
531.9	WPC295.1	Manmade Ditch	Minor	IN	10	0	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
532.1	WPC296-B	Nenana River No. 3 [j]	Major	PN	250	160	Aerial Span	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
532.4	WPC297	Coyote Creek	Minor	PN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	No collection effort	ND	None	No	No	None
532.8	WPC298	Dragonfly Creek	Minor	PN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
533.1	WPC299	Eagle Creek No. 2	Minor	PN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
533.9	WPC300	Fox Creek	Minor	PN	17	8	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
534.3	WPC301-C	Grizzly Creek	Minor	PN	8	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	No collection effort	ND	None	No	No	None
534.9	WPC302-B	Hornety Creek [j]	Inter-mediate	PN	35	12	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
535.1	WPC303-B	Iceworm Gulch	Minor	PN	40	8	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
~~536.2~~	~~WPC304-B~~	~~Junco Creek~~	~~Minor~~	~~PN~~	~~8~~	~~8~~	~~Wet-Ditch Open-Cut~~	~~Summer~~	~~Yes~~	~~None~~	~~N/A~~	~~No collection effort~~	~~ND~~	~~None~~	~~No~~	~~No~~	~~None~~
~~537.0~~	~~WPC305~~	~~Kingfisher Creek~~	~~Minor~~	~~PN~~	~~8~~	~~8~~	~~Wet-Ditch Open-Cut~~	~~Summer~~	~~No~~	~~None~~	~~N/A~~	~~No collection effort~~	~~ND~~	~~None~~	~~No~~	~~No~~	~~None~~
~~537.9~~	~~WPC306~~	~~Lynx Creek~~	~~Minor~~	~~PN~~	~~6~~	~~5~~	~~Aerial Span~~	~~Summer~~	~~No~~	~~None~~	~~N/A~~	~~No collection effort~~	~~ND~~	~~None~~	~~No~~	~~No~~	~~None~~
~~538.6~~	~~WPC308~~	~~Montana Creek~~	~~Minor~~	~~PN~~	~~20~~	~~10~~	~~Wet-Ditch Open-Cut~~	~~Summer~~	~~Yes~~	~~None~~	~~N/A~~	~~No collection effort~~	~~ND~~	~~None~~	~~No~~	~~No~~	~~None~~
~~539.5~~	~~WPC309-B~~	~~Unnamed Tributary to Nenana River~~	~~Inter-mediate~~	~~IN~~	~~12~~	~~12~~	~~Wet-Ditch Open-Cut~~	~~Summer~~	~~Yes~~	~~None~~	~~N/A~~	~~No collection effort~~	~~ND~~	~~None~~	~~No~~	~~No~~	~~None~~
~~541.6~~	~~WPC309.1~~	~~Unnamed Tributary to~~ Nenana River	~~Minor~~	~~PN~~	~~5~~	~~5~~	~~Wet-Ditch Open-Cut~~	~~Summer~~	~~Yes~~	~~None~~	~~N/A~~	~~No collection effort~~	~~ND~~	~~None~~	~~No~~	~~No~~	~~None~~

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
~~542.2~~	~~WPC309.2~~	~~Unnamed Stream~~	~~Minor~~	~~PN~~	~~5~~	~~5~~	~~Wet-Ditch Open-Cut~~	~~Summer~~	~~Yes~~	~~None~~	~~N/A~~	~~ND~~	~~ND~~	~~None~~	~~Unk. [o]~~	~~No~~	~~None~~
~~542.5~~	~~WPC309.3~~	~~Unnamed Stream~~	~~Minor~~	~~IN~~	~~5~~	~~5~~	~~Wet-Ditch Open-Cut~~	~~Summer~~	~~Yes~~	~~None~~	~~N/A~~	~~ND~~	~~ND~~	~~None~~	~~Unk. [o]~~	~~No~~	~~None~~
~~542.9~~	~~WPC310~~	~~Yanert Fork [j]~~	~~Inter-mediate~~	~~PN~~	~~310~~	~~60~~	~~Dry-Ditch Open-Cut [m]~~	~~Winter~~	~~Yes~~	~~None~~	~~N/A~~	~~No collection effort~~	~~DV, CN (ADFG)~~	~~None~~	~~No~~	~~No~~	~~None~~
536.1	**WPC521 [q]**	**Junco Creek**	**Minor**	**PN**	**8**	**8**	**Wet-Ditch Open Cut**	**Summer [q]**	**Yes**	**None**	**N/A**	**No Collection effort**	**ND**	**None**	**No**	**No**	**None**
536.9	**WPC522 [q]**	**Kingfisher Creek**	**Minor**	**PN**	**8**	**8**	**Wet-Ditch Open Cut**	**Summer [q]**	**Yes**	**None**	**N/A**	**No Collection effort**	**ND**	**None**	**No**	**No**	**None**
537.1	**WPC523 [q]**	**Nenana River #5**	**Major**	**PN**	**300**	**0**	**Aerial Span**	**Summer [q]**	**Yes**	**None**	**N/A**	**No Collection effort**	**ND**	**None**	**No**	**No**	**None**
537.9	**WPC524 [q]**	**Riley Creek**	**Major**	**PN**	**140**	**50**	**Wet-Ditch Open Cut**	**Summer [q]**	**Yes**	**None**	**N/A**	**No Collection effort**	**ND**	**None**	**No**	**No**	**None**
543.1	**WPC525 [q]**	**Nenana River #6**	**Major**	**PN**	**280**	**230**	**Wet-Ditch Open Cut**	**Summer [q]**	**Yes**	**None**	**N/A**	**No Collection effort**	**ND**	**None**	**No**	**No**	**None**
551.4	WPC311	Carlo Creek	Inter-mediate	PN	20	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	DV (AECOM)	None	No	No	None
553.0	WPC312	Pinch Point Pond (3P)	Inter-mediate	O	50	90	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
556.3	WPC317	Slime Creek	Minor	PN	8	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Salmonid-unspecified	DV (AECOM) Si (ADFG)	None	Unk.	No	None
558.3	WPC317.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
559.6	WPC318	Unnamed Tributary to Nenana River	Minor	IN	9	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
560.7	WPC319.1	Unnamed Tributary to Nenana River [j]	Inter-mediate	PN	100	35	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	BB, GR (AECOM)	None	No	No	None
561.0	WPC320-C	Nenana River No. 4	Major	PN	325	200	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
561.2	WPC320.6	Unnamed Tributary to Nenana River	Minor	PN	20	8	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
563.0	WPC320.7	Unnamed Tributary to Nenana River	Minor	PN	8	6	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
564.6	WPC322	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. [o]	No	None
566.9	WPC323	Jack River [j]	Inter-mediate	PN	190	80	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Slimy sculpin	BB (AECOM) CN (ADFG)	None	Unk.	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
567.1	WPC323.1	Unnamed Tributary to Jack River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
567.2	WPC323.2	Unnamed Tributary to Jack River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
568.8	WPC324	Unnamed Tributary to Cantwell Creek [j]	Inter-mediate	PN	20	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Slimy sculpin	CN (ADFG)	None	Unk.	No	None
577.8	WPC325	Unnamed Tributary to Cantwell Creek	Inter-mediate	IN	190	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR (AECOM)	None	No	No	None
Chulitna River Sub-watershed (HUC8)																	
582.9	WPC327	Tsaani Creek [j]	Minor	PN	9	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR, CN (AECOM)	None	No	No	None
583.9	WPC327.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
586.3	WPC328	Middle Fork Chulitna River [j]	Inter-mediate	PNM	90	75	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2381	COs, CHs, Ksr, Pp, Sp	ND	CO, K (ADFG)	COs, CHs, Ksr, Pp, Sp	Yes	CO,K	3,4,5,8, 11
586.9	WPC329-B	Fourth of July Creek	Minor	PN	8	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
589.8	WPC330	East Fork Chulitna River [j]	Inter-mediate	PN	130	90	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3260	COp, Ks, Sp	ND	CO, K, S (ADFG)	COp, Ks, Sp	Yes	K	3,4,5,8
590.6	WPC330.1-C	Unnamed Stream	Minor	PN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
593.8	WPC331	Hardage Creek [j]	Minor	PN	15	10	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200	Kr	Chinook salmon;	CN (ADFG)	Kr	Unk.	No	4,5,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										-2381-3260-4020		Slimy sculpin					
594.2	WPC332-C	Unnamed Tributary to East Fork Chulitna River [j]	Minor	PN	10	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
596.6	WPC333	Antimony Creek	Minor	PN	4	4	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	DV (AECOM) DV, Si (ADFG)	None	No	No	None
598.5	WPC334	Honolulu Creek	Inter-mediate	PN	100	40	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200 -2381-3240	Ks	ND	CO, K (ADFG)	Ks	Yes	K	3,5,8
599.3	WPC335-C	Unnamed Tributary to Honolulu Creek [j]	Minor	PN	4	2	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	DV (AECOM)	None	No	No	None
601.0	WPC336	Unnamed Tributary to Honolulu Creek [j]	Inter-mediate	PN	8	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
601.8	WPC337	Little Honolulu Creek	Minor	PN	9	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	No fish collected or observed	Ks	Yes	No	3,5,8
603.5	WPC338	Hurricane Gulch [j]	Inter-mediate	PN	20	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	DV (AECOM)	None	No	No	None
603.9	WPC339	Unnamed Stream	Minor	IN	45	9	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
606.9	WPC340-B	Granite Creek (South)[j]	Inter-mediate	PN	20	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No collection effort	ND	None	No	No	None
609.4	WPC341-C	Division Creek	Minor	PN	8	4	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
610.2	WPC341.1	Unnamed Stream	Minor	PN	5	5	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
612.4	WPC343-B	Pass Creek No. 2 [j]	Minor	PN	15	10	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	Dolly Varden, slimy sculpin	CHp, COp, Kp, Pp, Sp	Unk.	No	5,8
614.6	WPC344	Little Coal Creek [j]	Minor	PN	30	8	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3234	CHp, COr, Kr	No collection effort	K, CO, P, RB, DV, CN (AECOM) CO, K (ADFG)	CHp, COp, Kp	Unk.	No	3,5,8
616.6	WPC345	Unnamed Tributary to Chulitna River [j]	Minor	PN	8	8	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3232-4020	COr	No collection effort	ND	COr	No	CO	None
618.1	WPC346	Horseshoe Creek	Minor	PN	60	8	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3220	CHp, COp, Kp, Pp, Sp	No collection effort	CH, CO, K, P, S (ADFG)	CHp, COp, Kp, Pp, Sp	Yes	CO	3,5,8
621.3	WPC346.1	Unnamed Tributary of Chulitna River	Minor	IN	8	8	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
634.2	WPC347	Byers Creek [j]	Inter-mediate	PN	30	25	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3180	CHs, COs, Ks, Sp	Salmonid-unspecified	CH, CO, K, S, Si (ADFG)	CHs, COs, Ks, Sp	Yes	CHs, COs, Ks	3,5,8
638.0	WPC348	Unnamed Tributary to Chulitna River	Minor	PN	8	8	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200	COr, Pp	No collection effort	CO, P, RB, CN (AECOM) CO, P (ADFG)	COr, Pp	Unk.	CH	4,5

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										-2381-3150							
638.4	WPC348.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
640.8	WPC349	Troublesome Creek [j]	Inter-mediate	PN	370	50	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200 -2381-3130	CHs, COs, Ks, Ps	No collection effort	CH, CO, K, P (ADFG)	CHs, COs, Ks, Ps	Yes	CH,CO,K,P	3,8
641.8	WPC350	Chulitna River	Major	PNM	1980	1830	DMT	Summer	No [n]	247-41-10200 -2381	CHs, COp, Kp, Pp, Sp	ND	CH, CO, K, P, S (ADFG)	CHs, COp, Kp, Pp, Sp	Yes	CH	3,5,8,11
642.8	WPC350.1	Unnamed Tributary to Chulitna River	Minor	PN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	3S (AECOM)	None	No	No	None
650.8	WPC353-C	Unnamed Tributary to Chulitna River [j]	Minor	PN	9	5	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200 -2381-3073	COs, Ps	No collection effort	CO, P (ADFG)	COs, Ps	Yes	CO,P	3,5,8
652.2	**WBC050 [p]**	**Unnamed Tributary to Chulitna River**	**Minor**	**PN**	**8 [p]**	**6 [p]**	**Wet-Ditch Open-Cut**	**Summer**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**Unk.**	**None**
653.1	WPC354	Unnamed Tributary to Chulitna River [j]	Inter-mediate	PN	15	11	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200 -2381-3060	COpr	No collection effort	CO, RB, CN, 3S, WF (AECOM) CO (ADFG)	COpr	No	Unk.	None
655.2	WPC355-C	Unnamed Tributary to Chulitna River [j]	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200 -2381-3051	COp	No collection effort	CO, GR, 3S (ADFG)	COp	Unk.	Unk.	5
658.3	WPC356	Unnamed Tributary to Chulitna River	Minor	PN	15	10	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200	COp	Threespine stickleback; Slimy sculpin	CO, 3S, CN (ADFG)	COp	Unk.	Unk.	5,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										-2381-3007							
659.0	WPC356.1	Unnamed Tributary to Chulitna River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3007-4029	COp	No collection effort	CO (ADFG)	COp	Unk.	Unk.	5
659.1	WPC357	Unnamed Tributary to Chulitna River	Inter-mediate	IN	11	11	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
660.1	WPC358	Unnamed Tributary to Chulitna River	Inter-mediate	IN	11	11	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3007-4017	COp	No collection effort	CO (ADFG)	COp	Unk.	Unk.	5,8
Lower Susitna River Sub-watershed (HUC8)																	
661.3	WPC359-C	Unnamed Tributary to Chulitna River	Minor	PN	20	5	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2361	COsr, ALp	ND	CO, Si, CN (AECOM) CO (ADFG)	COsr	Yes	CO	3,4,5
663.7	WPC360	Trapper Creek [j]	Inter-mediate	PN	60	30	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2341	COsr, Kr	ND	CO (ADFG)	COsr, Kr	Yes	CO	3,4,8,9
666.5	WPC362	Unnamed Tributary to Rabideux Creek [j]	Minor	PN	15	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2291-3049	COsr	No collection effort	CO (ADFG)	COsr	Yes	CO	3,4,8
668.2	WPC363	Unnamed Tributary to Rabideux Creek	Minor	PN	9	5	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	Coho salmon	CO (ADFG)	None	Unk.	No	3,4,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
670.0	WPC364	Sawmill Creek [j]	Minor	PN	12	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2291-3041	COsr	Chinook salmon; Coho salmon; Arctic grayling; Stickleback-unspecified; lamprey-unspecified; sculpin-unspecified	CO, GR, nS, CD, LP (ADFG)	CHp, COsr	Yes	CO	3,4,5,8
670.1	WPC364.1	Unnamed Tributary to Sawmill Creek	Minor	PN	5	0	Frozen-Cut	Winter	Yes	247-41-10200-2291-3041-4002	COp	ND	CO, GR, nS, CD, LP (ADFG)	COp	Unk.	Unk.	4,5,8
672.3	WPC365	Unnamed Tributary to Rabideux Creek	Minor	PN	20	9	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	ND	nS, CD, LP (ADFG)	None	Unk.	No	4
673.4	WPC367	Queer Creek [j]	Minor	PN	15	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2291-3011	COr, Kr	Chinook salmon; Coho salmon; Stickleback-unspecified; lamprey-unspecified	CO, 3S, nS, LP (ADFG)	CHp, COr, Kr	Unk.	COr, Kr	4,8
676.8	**WBC053 [p]**	**Unnamed Tributary to Queer Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
678.1	WPC367.03	Unnamed Stream	Minor	IN	11	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	ND	None
678.5	WPC368	Unnamed Tributary of Queer Creek	Minor	IN	20	0	Frozen-Cut	Winter	Yes	247-41-10200	COr	ND	CO, 3S (AECOM) CO (ADFG)	COr	Unk.	COr	4,5

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										-2291-3011							
681.7	WPC368.3	Unnamed Stream	Minor	IN	28	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
682.1	WPC368.6	Unnamed Stream	Minor	IN	7	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
683.7	**WBC054 [p]**	**Unnamed Tributary to Trapper Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
704.7	WPC373-B	Deshka River [j]	Major	PN	275	220	DMT	Summer	No [n]	247-41-10200-2081	CHs, COsr, Kpr, Pp, Spr, ALp, Wp	Arctic lamprey; Pacific lamprey; Burbot; Longnose sucker; Northern pike; Slimy sculpin; Round whitefish; Threespine stickleback	CH, CO, K, P, S, RW, LS, CN, 3S, NP, BB (ADFG)	CHs, COsr, Kpr, Pp, Spr	Yes	CH,K, P,CO	3,4,5,8, 9
705.6	WPC373.1	Unnamed Tributary of Deshka River	Minor	PN	9	0	Frozen-Cut	Winter	Yes	247-41-10200-2081-3041	COr	Pacific lamprey; Chinook salmon; Chum salmon; Coho salmon; Pink salmon; Sockeye salmon; Humpback whitefish; lamprey-unspecified	CO (AECOM) LP (ADFG)	CHp, COr, Kp, Pp, Sp	Unk.	COr	4,5

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
706.3	WPC373.2	Unnamed Tributary of Deshka River [j]	Minor	PN	9	0	Frozen-Cut [l]	Winter	Yes	247-41-10200-2081-3035-4008	COr	ND	CO, RB, CN (AECOM)	COr	Unk.	COr	4,8
706.7	WPC373.3	Unnamed Stream	Minor	IN	15	3	Dry-Ditch Open-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	COr, Kr	4
707.0	WPC373.4	Unnamed Stream	Minor	IN	12	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	COr	4
707.7	WPC373.5	Unnamed Tributary of Deshka River [j]	Minor	PN	15	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2081-3035	COr, Kr	ND	CO, K (ADFG)	COr, Kr	Unk.	COr, Kr	4,8
709.1	WPC373.6	Unnamed Tributary of Deshka River	Minor	PN	10	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	ND	None
714.2	**WBC055 [p]**	**Unnamed Tributary to Queer Creek**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
716.0	WPC374	Unnamed Tributary to Kroto Slough [j]	Minor	PN	18	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	9
720.4	WPC375	Fish Creek No. 2 [j]	Inter-mediate	PN	225	90	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2053-3020-4015	COr, Kpr, Sp	ND	CO, K (ADFG)	COr, Kpr, Sp	Unk.	K,CO	4,5,8,9
722.9	WPC526	Unnamed Stream	Minor	PN	7	7	Dry-Ditch Open-Cut [m]	Winter	Yes	247-41-10200-2051	COr	ND	ND	COr	Unk.	COr	4
722.9	**WBC056 [p]**	**Unnamed Tributary to Susitna River**	**Minor**	**PN**	**0 [p]**	**0 [p]**	**Frozen-Cut**	**Winter**	**Yes**	**None**	**N/A**	**ND**	**ND**	**None**	**Unk. [o]**	**No**	**None**
724.9	WPC527	Unnamed Tributary to Anderson Creek	Minor	IN	7	7	Dry-Ditch Open-Cut [m]	Winter	No	247-41-10200	COr	ND	ND	COr	Unk.	COr	4

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										-2043-3018							
725.7	WPC377	Anderson Creek [j]	Minor	PN	200	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2043	COp, Pp	ND	CO, P (ADFG)	COp, Pp	Unk.	Unk.	5,8,9
727.8	WPC378	Alexander Creek [j]	Inter-mediate	PN	200	50	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2015	CHp, COr, Kp, Pp, Sp	ND	CH, CO, K, P, S (ADFG)	CHp, COr, Kp, Pp, Sp	Unk.	K,CO, P	2,4,5,8, 10
728.8	WPC528	Unnamed Tributary to Alexander Creek	Minor	PN	7	7	Dry-Ditch Open-Cut [m]	Winter	No	247-41-10200-2015-3021	COr	ND	ND	COr	Unk.	COr	4
729.4	WPC379	Unnamed Tributary to Alexander Creek	Minor	IN	8	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	COr	4
730.8	WPC380	Pierce Creek	Minor [k]	PN	15	0	Frozen-Cut [l]	Winter	Yes	247-41-10200-2015-3019	COr	ND	CO, DV, RB (AECOM) CO (ADFG)	COr	Unk.	Kr	4,8
732.8	WPC380.1	Granite Creek (North Fork) [j]	Minor [k]	PN	25	8	Dry-Ditch Open-Cut	Winter	No	247-41-10200-2015-3017	COsr, Sr	ND	CO (ADFG)	COsr, Sr	Yes	Kr	3,4,8
734.2	WPC382-C	Granite Creek (South Fork) [j]	Minor [k]	PN	12	0	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2015-3017-4021	COsr, Sr	ND	K, DV, RB (AECOM)	COsr, Sr	Yes	COr	3,4,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
735.1	WPC382.002	Unnamed Stream	Minor	IN	5	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	4
736.0	WPC382.01	Unnamed Stream	Minor [k]	IN	15	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	DV, CN (AECOM)	None	No	No	4
737.0	WPC382.014	Unnamed Stream	Minor	IN	20	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	4
737.1	WPC382.016	Unnamed Stream	Minor	IN	30	0	Frozen-Cut [l]	Winter	No	None	N/A	ND	ND	None	Unk. [o]	No	4
737.2	WPC382.017	Unnamed Stream	Minor	IN	18	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	DV (AECOM)	None	No	No	4
737.4	WPC382.018	Unnamed Stream	Minor	IN	13	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	DV, Si (AECOM)	None	No	No	4
739.7	WPC382.03	Ivan River	Minor	IN	35	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	CN, WF (AECOM)	None	No	No	4
740.2	WPC382.04-C	Unnamed Tributary to Ivan River	Minor	IN	11	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	Unk. (AECOM)	None	No	No	4
740.4	WPC382.042	Unnamed Tributary to Ivan River	Minor	IN	16	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	4
740.5	WPC382.044	Unnamed Tributary to Ivan River	Minor	IN	15	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	4
740.9	WPC382.05-C	Unnamed Tributary to Ivan River	Minor	PN	10	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	ND	None	Unk. [o]	No	4
741.1	WPC382.052	Tributary to Ivan River	Minor	PN	7	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	WF (AECOM)	None	No	No	4
741.4	WPC382.054	Unnamed Tributary to Ivan River	Minor	PN	14	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	WF (AECOM)	None	No	No	4
743.5	WPC382.056	Unnamed Tributary to Ivan River	Minor	PN	51	0	Frozen-Cut [l]	Winter	Yes	247-30-	Kr	ND	ND	None	Unk.	No	3,4,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										10010-2023							
744.1	WPC382.06-C	Tributary to Ivan River	Minor	PN	28	0	Frozen-Cut [l]	Winter	Yes	247-30-10010-2023	Kr	ND	9S, Si, WF (AECOM)	Kr	Unk.	COr	4,5,8
745.4	WPC382.07-C	Lewis River Floodplain A [j]	Minor	PN	35	0	Dry-Ditch Open-Cut [m]	Winter	Yes	247-30-10070	COr, Ksr, Pp	ND	K (ADFG)	COr, Ksr, Pp	Yes	Kr	2,3,4,5,9
745.6	WPC386-C	Tributary of Lewis River [j]	Minor	PN	120	10	Dry-Ditch Open-Cut [m]	Winter	Yes	None	N/A	ND	K (ADFG)	None	No	No	4
745.7	WPC386.1-C	Unnamed Tributary of Lewis River (Floodplain B) [j]	Minor [k]	PN	35	0	Frozen-Cut [l]	Winter	Yes	None	N/A	ND	9S, WF (AECOM) K (ADFG)	None	No	No	4
746.8	WPC386.14	Unnamed Tributary of Lewis River	Minor	PN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	4
747.4	WPC386.2-C	Unnamed Tributary of Lewis River	Minor	PN	6	4	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	CO, DV (AECOM)	None	No	No	4
Yentna River Sub-watershed (HUC8)																	
720.9	WPC376	Yentna River	Major	PN	1360	400	Dry-Ditch Open-Cut [m]	Winter	Yes	247-41-10200-2053	CHs, COsr, Kpr, Pp, Spr, OUs	ND	CH, CO, K, P, S, OU (ADFG)	CHs, COsr, Kpr, Pp, Spr	Yes	CH,CO	1,3,4,5,6,7,8,9
Redoubt-Trading Bay Sub-watershed (HUC8)																	
748.5	WPC387-C	Theodore River [j]	Inter-mediate	PN	300	90	Wet-Ditch Open-Cut	Summer	Yes	247-30-10080	CHp, COr, Ksr, Pp	ND	CH, CO, K, P (ADFG)	CHp, COr, Ksr, Pp	Yes	COr	2,3,4,5,8
749.6	WPC387.1-C	Unnamed Stream	Minor	IN	9	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	DV (AECOM)	None	Unk.	No	4

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
750.1	WPC388-C	Pretty Creek	Minor	PN	20	7	Wet-Ditch Open-Cut	Summer	Yes	247-30-10090-2010	COr, Kr, Ps, Sr	ND	CO, K, P, S (ADFG)	COr, Kr, Ps, Sr	Yes	COr	3,4,8
750.8	WPC388.01-C	Unnamed Stream	Minor	IN	8	6	Wet-Ditch Open-Cut	Summer	Yes	247-30-10090-2010-3015-4006	COr	ND	CO, DV (AECOM)	COr	Unk.	COr	4,5
751.4	WPC388.03-C	Unnamed Stream	Minor	IN	6	5	Wet-Ditch Open-Cut	Summer	Yes	247-30-10090-2010-3015-4010	COr	ND	CO, DV (AECOM)	COr	Unk.	Kr	4,5
751.7	WPC388.04-C	Unnamed Stream	Minor	IN	25	8	Wet-Ditch Open-Cut	Summer	Yes	247-30-10090-2010-3015-4012	COr	ND	CO, DV (AECOM)	COr	Unk.	Kr	4,5
752.2	WPC388.05-C	Unnamed Tributary to Pretty Creek	Minor	PN	30	6	Wet-Ditch Open-Cut	Summer	Yes	247-30-10090-2010-3015	COp, Ksr, Ps, Sp	ND	K, P (ADFG)	COp, Ksr, Ps, Sp	Yes	COr	3,4,5,8
752.6	WPC388.06-C	Unnamed Tributary to Pretty Creek	Minor	PN	35	8	Wet-Ditch Open-Cut	Summer	Yes	247-30-10090-2010-3015-4015	COp, Kp, Ps, Sp	ND	CO, K, P, S (ADFG)	COp, Kp, Ps, Sp	Yes	COr	3,5,8
754.1	WPC388.1	Olson Creek [j]	Inter-mediate	PN	105	30	Dry-Ditch Open-Cut	Summer	Yes	247-30-	COsr, Ksr	ND	CO, K, P (ADFG)	COsr, Ksr	Yes	COr	3,4,5,8

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]
										10090-2020							
756.6	WPC388.2-C	Unnamed Tributary to Beluga River	Minor	IN	4	4	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	4
757.2	WPC389-C	Beluga River	Major	PN	520	120	Dry-Ditch Open-Cut [m]	Winter	Yes	247-30-10090	COpr, Kpr, Pp, Spr	ND	CO, K, P, S, 3S (ADFG)	COpr, Kpr, Pp, Spr	Unk.	COpr, Kpr, Pp, Spr	4,5,6,7,8
763.1	WPC390	Unnamed Tributary to Threemile Creek	Minor	IN	7	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	No fish collected or observed	ND	None	No	No	None
763.9	WPC391	Threemile Creek [j]	Minor	PN	111	8	Dry-Ditch Open-Cut	Summer	Yes	247-20-10002	CHp, COsr, Kpr, Ps, Sp	Coho salmon; stickleback-unspecified	CO, K, P, S, nS (ADFG)	CHp, COsr, Kpr, Ps, Sp	Yes	CO,P,S	3,4,5,8,9
Redoubt-Trading Bay Upper and Kenai Peninsula Sub-watersheds (HUC8)																	
779.5	WPC-CI	Cook Inlet	Major	N/A	141600	141400	Open-Cut / Pipe lay	Summer	Yes	None	N/A	ND	ND	CH, CO, K, P, S	No	N/A	6,7,8
Upper Kenai Peninsula Sub-watershed (HUC8)																	
793.5	WPC391.5	Unnamed Stream	Minor	IN	15	8	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
797.8	WPC392.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
797.9	WPC392.2	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
800.6	WPC392.4	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None
804.5	WPC415	Unnamed Stream	Minor	IN	20	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. [o]	No	None

AWC = Anadromous Waters Catalog; FERC = Federal Energy Regulatory Commission; N/A = Not applicable; Unk. = Unknown

Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018, classifies all waterbodies along the Mainline Pipeline as category 1, except for the Chatanika River and Cook Inlet which are category 2, and the Kuparuk River and Deshka River which are category 3.

- Category 1 = All Water Quality Standards (WQS) for all designated uses are attained
- Category 2 = Some WQS for the designated uses are attained, but data and information to determine whether the WQS for the remaining uses are attained are insufficient or absent.
- Category 3 = Data or information is insufficient to determine whether the WQS for any designated uses are attained.
- Rev C2 alignment used for analysis.
- DMT= directional micro-tunneling
- FERC= Federal Energy Regulatory Commission

[a] Based on FERC staff's Wetland and Waterbody Construction and Mitigation Procedures (2013) definitions for waterbodies, includes any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes. Minor waterbodies are those that are less than or equal to 10 feet wide at the water's edge at the time of crossing; intermediate waterbodies are those that are greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge; and major waterbodies are those greater than 100 feet wide at the water's edge at the time of crossing.

[b] Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD) and LiDAR imagery. Perennial = PN; Perennial – Multiple = PNM; Intermittent = IN; and Pond/Open Water = O.

[c] Preliminary construction wetted width for waterbodies with perceptible flow at the time of crossing. Waterbodies that are dry or frozen to the bed will be crossed using standard upland construction techniques in accordance with the Project Plan and Procedures.

[d] Anadromous Waters Catalog (AWC) Species and Life Stage Codes Below:

[e] Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (2018).

[f] Field Season Surveys from Alaska LNG (AECOM); Alaska Department of Fish and Game; and the Trans Alaska Pipeline System. Species code, common and scientific name defined below (see Field Survey Species Codes).

AWC Species and Life Stage Codes

Code / Species	Code / Species	Code / Species	Life Stage
AC = Arctic char	DV = Dolly Varden	P = Pink salmon	m = migration
AW = Arctic cisco	OU = Eulachon	OM = Rainbow smelt	p = present
AL = Arctic lamprey	GS = Green sturgeon	LV = River lamprey	r = rearing
BW = Broad whitefish	HW = Humpback whitefish	SM = Smelts, undifferentiated	s = spawning
BC = Bering cisco	SF = Inconnu/Sheefish	S = Sockeye salmon	
K = Chinook salmon	LP = Lamprey, undifferentiated	SH = Steelhead trout	
CH = Chum salmon	LC = Least cisco	ST = Sturgeon, undifferentiated	
CO = Coho salmon	OL = Longfin smelt	W = Whitefishes, undifferentiated	
CT = Cutthroat trout	PC = Pacific lamprey	WS = White sturgeon	

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries Concerns [i]

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
?	=	Fish Present?	*N/A*
AB	=	Alaska blackfish	*:Dallia pectoralis*
AC	=	Arctic char	*:Salvelinus alpinus*
AL	=	Arctic lamprey	*:Lampetra japonica*
AS	=	American shad	*:Alosa sapidissima*
BB	=	Burbot	*:Lota lota*
BC	=	Bering cisco	*:Coregonus laurettae*
BL	=	American brook lamprey	*:Lampetra sp.*
BW	=	Broad whitefish	*:Coregonus nasus*
CA	=	Arctic cisco	*:Coregonus autumnalis*
CD	=	Sculpin	*:Family Cottidae*
CI	=	Cisco	*:Coregonus sp.*
CN	=	Slimy sculpin	*:Cottus cognatus*
CS	=	Least cisco	*:Coregonus sardinella*
CT	=	Cutthroat trout	*:Oncorhynchous clarkii*
DS	=	Dog (Chum) salmon	*:Oncorhynchus keta*
DV	=	Dolly varden	*:Salvelinus malma*
GR	=	Grayling	*:Thymallus arcticus*
HO	=	Pond Smelt	*:Hypomesus olidus*

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
HW	=	Humpback whitefish	*:Coregonus pidschian*
IN	=	Inconnu (Sheefish)	*:Stenodus leucichthys*
KO	=	Kokanee	*:Oncorhynchus nerka*
KS	=	King (Chinook) salmon	*:Ohncorhynchus tshawytscha*
LC	=	Lake chub	*:Couesius plumbeus*
LS	=	Longnose sucker	*:Catostomus catostomus*
LT	=	Lake trout	*:Salvelinus namaycush*
LW	=	Lake whitefish	*:Coregomis clupeaformis*
NP	=	Northern pike	*:Esox lucius*
OM	=	Rainbow smelt	*:Osmerus mordax*
PS	=	Pink (Humpback) salmon	*:Oncorhychus gorbuscha*
PW	=	Pygmy whitefish	*:Prosopium coulteri*
RB	=	Rainbow trout	*:Oncorhynchus mykiss*
RS	=	Red (Sockeye) salmon	*:Oncorhynchus nerka*
RW	=	Round whitefish	*:Prosopium cylindraceum*
SB	=	Stickleback	*:Family Gasterosteidae*
S9	=	Ninespine stickleback	*:Pungitius pungitius*
SH	=	Steelhead trout	*:Oncorhynchus mykiss*
SK	=	Sucker	*:Family Catostomidae*
SS	=	Coho (Silver) salmon	*:Oncorhynchus kisutch*
TP	=	Trout – Perch	*:Percopsis omiscomaycus*
WF	=	Whitefish	*:Coregonus sp.*
unk	=	unkown	*N/A*

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Over-wintering	Spawning Upstream [h]	Special Fisheries

g Essential Fish Habitat (EFH) species- K = Chinook salmon; CH = Chum salmon; CO = Coho salmon; P = Pink salmon; S = Sockeye salmon; life stage: m = migration; p = present; r = rearings; s = spawning

h No = no known spawning habitat or data is not available.

i-1 FSC Yield Concern: arising from a chronic inability, despite the use of specific management measures to maintain specific yields or harvestable surpluses (5 AAC 39.222(f)(42)).

i-2 FSC Management Concern: arising chronic inability, despite the use of specific management measures, to maintain escapements for a salmon stock within the bounds of the Sustainable Escapement Goal (SEG), Biological Escapement Goal (BEG), Optimal Escapement Goal (OEG), or other specified management objectives for the fishery (5 Alaska Administrative Code 39.222(f)(21)).

i-3 Spawning: preparation, deposition, or fertilization of anadromous fish eggs.

i-4 Documented occurrence of developmental life phase of an anadromous fish species.

i-5 Documented occurrence of anadromous fish.

i-6 Subsistence fisheries.

i-7 Commercial fisheries.

i-8 Recreational (sport) fisheries.

i-9 Northern pike (NAS/ANS) confirmed.

i-10 Northern pike (NAS/ANS) active suppression.

i-11 Unconfirmed northern pike (NAS/ANS) reported.

j Waterbodies identified as susceptible to vertical scour as defined by a susceptibility value of greater than 10-3 and baseline case of 3 feet cover over the pipeline.

k FERC size classification reassigned based on AGDC's preliminary construction wetted width.

l Proposed crossing method reassigned from wet-ditch or dry-ditch open-cut to frozen-cut because water is unlikely to flow at the time of construction based on construction season and waterbody characteristics.

m Proposed crossing method changed from wet-ditch open-cut to dry-ditch open-cut due to known overwintering fish habitat at the crossing and for consistency with AGDC's commitment to utilize dry-ditch methods at waterbodies with flowing water at time of construction.

n In-stream blasting was reassigned to no because blasting should not be required for DMT crossing construction.

o Status of overwintering fish habitat reassigned from no to Unk. Insufficient data available to determine that no overwintering habitat exists at the crossing location, therefore, we have determined that overwintering habitat is Unk.

p **Preliminary additional waterbody features to be confirmed during pre-construction surveys.**

q **Preliminary engineered designed crossings for the Alternative Denali National Park and Preserve (DNPP) Route as the preferred route. Proposed construction season begins late September (shoulder season) into winter.**

TABLE I-3

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
Canning River Sub-watershed (HUC8)																
0.6	WPT001	C Creek	Minor	IN	10	0	Aerial Span	Winter	None	ND	Ninespine stickleback	9S, nS (AECOM) 9S (ADFG)	None	Unk.	No	0
Mikkelsen Bay Sub-watershed (HUC8)																
1.4	WPT003	Pond	Minor	O	90	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
1.7	WPT003.1	Pond	Minor	O	55	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
1.7	WPT003.2	Unnamed Stream	Minor	IN	35	0	Aerial Span	Winter	None	ND	ND	9S, Unk. (AECOM)	None	Unk.	No	0
1.9	WPT006	D Creek	Minor	PN	15	0	Aerial Span	Winter	330-00-10246	DVr	ND	ND	None	Unk.	DVr	4
2.9	WPT014	East E Creek	Minor	IN	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
3.0	WPT014.1	E Creek	Minor	PN	70	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
3.5	WPT016	18A Creek	Minor	PN	70	0	Aerial Span	Winter	None	ND	ND	nS (AECOM) 9S (ADFG)	None	Unk.	No	0
3.6	WPT017	Pond	Minor	O	10	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
3.7	WPT019	Pond	Minor	O	75	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
4.5	WPT022-B	F Creek	Minor	PN	20	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
5.8	WPT024	G Creek	Minor	PN	40	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
7.0	WPT032	H Creek	Minor	IN	55	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
8.2	WPT040	I Creek	Minor	PN	35	0	Aerial Span	Winter	None	ND	Ninespine stickleback	9S, nS (AECOM)	None	Unk.	No	0

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
												9S (ADFG)				
9.2	WPT043	J Creek	Minor	PN	40	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
10.6	WPT048	K Creek	Minor	PN	60	0	Aerial Span	Winter	None	ND	Ninespine stickleback	9S (AECOM) 9S (ADFG)	None	Unk.	No	0
12.5	WPT061	L Creek	Minor	PN	10	0	Aerial Span	Winter	330-00-10280	DVr	ND	9S (AECOM) 9S, DV (ADFG)	None	Unk.	DVr	4
14.3	WPT070	N Creek	Minor	PN	6	0	Aerial Span	Winter	None	ND	ND	CD (AECOM) CD (ADFG)	None	Unk.	No	0
15.1	WPT072	M Creek	Minor	PN	25	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
16.0	WPT072.1	Pond	Minor	O	110	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
16.8	WPT073	O Creek	Minor	PN	20	0	Aerial Span	Winter	None	ND	ND	9S, Unk. (AECOM)	None	Unk.	No	0
18.7	WPT080	East Badami Creek	Minor	PN	640	0	Aerial Span	Winter	330-00-10290	DVr	ND	ND	None	Unk.	DVr	4
19.3	WPT081-B	Middle Badami Creek	Minor	PN	25	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
20.4	WPT084-B	West Badami Creek	Minor	PN	130	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
22.2	WPT091-B	Unnamed Stream	Minor	IN	115	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
22.6	WPT091.1	Pond	Minor	O	85	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
23.3	WPT096	Pond	Minor	O	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
24.3	WPT102	Unnamed Stream (Artificial)	Minor	PN	900	0	Aerial Span	Winter	330-00-10300	DVr	ND	DV (ADFG)	None	Unk.	DVr	4
24.8	WPT104	Unnamed Stream	Minor	PN	5	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
24.8	WPT106	Pond	Minor	O	270	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
24.9	WPT106.1	Pond	Minor	O	220	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
25.5	WPT107	Shaviovik River East	Intermediate	PN	550	90	Aerial Span	Winter	330-00-10310	Ps, DVp	ND	P, DV (ADFG)	Ps	Yes	P	3,5,8
25.7	WPT108	Shaviovik River East Overflow	Minor	PN	500	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
25.9	WPT110	Shaviovik River West	Minor	PN	500	0	Aerial Span	Winter	None	ND	ND	9S, nS (AECOM) 9S (ADFG)	None	Unk.	No	0
26.1	WPT113	Shaviovik River West	Minor	IN	140	0	Aerial Span	Winter	None	ND	Ninespine stickleback	ND	None	Unk.	No	0
26.5	WPT115	Unnamed Tributary to Shaviovik River	Minor	PN	200	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
26.9	WPT116	Unnamed Tributary to Shaviovik River	Minor	PN	55	0	Aerial Span	Winter	330-00-10310-2006	DVr	Ninespine stickleback; general fish observation, no species information	nS, Unk. (AECOM) 9S, DV (ADFG)	None	Unk.	DVr	4
27.2	WPT117	Unnamed Tributary to Shaviovik River	Minor	PN	20	0	Aerial Span	Winter	330-00-10310-2006	DVr	Ninespine stickleback	DV (ADFG)	None	Unk.	DVr	4
27.3	WPT118	Unnamed Tributary to Shaviovik River	Minor	IN	50	0	Aerial Span	Winter	330-00-10310-2006	DVr	Ninespine stickleback	nS (AECOM)	None	Unk.	DVr	4

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
												9S, DV (ADFG)				
28.9	WPT118.01	Pond	Minor	O	820	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
29.4	WPT118.02	Pond	Minor	O	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
29.6	WPT118.1	Pond	Minor	O	90	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
29.7	WPT128-B	Unnamed Stream	Minor	IN	7	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
30.0	WPT128.05	Pond	Minor	O	200	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
30.1	WPT128.1	Pond	Minor	O	60	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
30.8	WPT128.3	Pond	Minor	O	115	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
31.2	WPT135	Pond	Minor	O	200	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
31.5	WPT135.1	Pond	Minor	O	175	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
31.7	WPT137	Unnamed Stream	Minor	IN	6	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	0
32.0	WPT137.1	Pond	Minor	O	105	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
32.2	WPT137.2	Pond	Minor	O	8	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
32.3	WPT140	Unnamed Stream	Minor	IN	9	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
32.5	WPT140.5	Pond	Minor	O	205	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
32.5	WPT141	Pond	Minor	O	105	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
33.0	WPT141.1	Pond	Minor	O	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
33.5	WPT141.3	Pond	Minor	O	50	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
33.8	WPT141.4	Pond	Minor	O	40	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
33.9	WPT145-B	Unnamed Tributary to Kadleroshilik River	Minor	PN	65	0	Aerial Span	Winter	None	ND	Ninespine stickleback	nS (AECOM) 9S (ADFG)	None	Unk.	No	0
34.4	WPT148	Unnamed Tributary to Kadleroshilik River	Minor	IN	125	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
34.6	WPT149	Unnamed Tributary to Kadleroshilik River	Minor	IN	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
34.9	WPT150	Unnamed Tributary to Kadleroshilik River	Minor	IN	40	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
34.9	WPT151	Unnamed Tributary to Kadleroshilik River	Minor	IN	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
35.3	WPT152	Kadleroshilik River	Minor	PN	1000	0	Aerial Span	Winter	330-00-10320	DVr	ND	DV (ADFG)	None	Unk.	DVr	4,6,8
35.5	WPT153	Pond	Minor	O	155	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
35.9	WPT154	Pond	Minor	O	260	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
36.8	WPT155	Unnamed Stream	Minor	PN	20	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
Sagavanirktok River Sub-watershed (HUC8)																
38.1	WPT155.1	Pond	Minor	O	300	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
39.1	WPT155.11	Pond	Minor	O	140	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
39.7	WPT159	Pond	Minor	O	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
39.9	WPT159.01	Pond	Minor	O	240	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
40.1	WPT159.02	Pond	Minor	O	100	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
40.3	WPT159.2	Pond	Minor	O	125	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
40.4	WPT159.3	Pond	Minor	O	170	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
40.6	WPT167	Pond	Minor	O	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
40.7	WPT168	Pond	Minor	O	125	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
40.8	WPT168.1	Pond	Minor	O	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
41.0	WPT168.2	Pond	Minor	O	120	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
41.4	WPT168.3	Pond	Minor	O	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
41.5	WPT169.1	Pond	Minor	O	280	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
42.0	WPT169.3	Pond	Minor	O	50	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
42.3	WPT174	East Sagavanirktok Creek	Minor	PN	115	0	Aerial Span	Winter	330-00-10330	DVr	Broad whitefish; Slimy sculpin; Ninespine stickleback	BW, 9S, CN (AECOM) 9S, CN, DV (ADFG)	None	Unk.	DVr	4,6,8
42.4	WPT175	Pond	Minor	O	52	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
42.7	WPT176	Pond	Minor	O	1065	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
42.9	WPT177	Pond	Minor	O	420	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
44.2	WPT181-B	Sagavanirktok River - Main Channel	Major	PN	2900	250	Aerial Span	Winter	330-00-10360	CHp, Ps, BCp, DVr, LCp, Wp	Ninespine stickleback	9S (AECOM) 9S, CH, P, BC, DV, LC, W (ADFG)	CHp, Ps	Yes	P,W	3,4,5,8
44.6	WPT182-B	Unnamed Tributary to Sagavanirktok River	Minor	IN	250	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
45.2	WPT182.1	Unnamed Tributary to Sagavanirktok River	Minor	PN	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
45.4	WPT182.2	Unnamed Tributary to Sagavanirktok River	Minor	PN	75	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
45.9	WPT192-B	Pond	Minor	O	800	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
46.1	WPT194	Pond	Minor	O	35	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
46.2	WPT194.1	Pond	Minor	O	130	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
46.9	WPT196	Pond	Minor	O	60	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
49.1	WPT197-B	Unnamed Tributary to Sagavanirktok River	Minor	PN	1750	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
50.2	WPT197.1	Pond	Minor	O	560	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
50.5	WPT197.2	Unnamed Tributary to Sagavanirktok River	Minor	PN	130	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
51.2	WPT200	Unnamed Tributary to Sagavanirktok River	Minor	PN	170	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
51.9	WPT201	Unnamed Tributary to Sagavanirktok River	Minor	PN	150	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
52.2	WPT202	Unnamed Tributary to Sagavanirktok River	Minor	PN	130	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
53.6	WPT204	Sagavanirktok River - West Channel	Major	PN	770	550	Existing Aerial Span	Winter	330-00-10361	CHp, Pp, BCp, DVr, LCp, Wp	ND	CH, P, BC, DV, W, LC (ADFG)	CHp, Pp	Yes	W	4,5,8
Kuparuk River Sub-watershed (HUC8)																
56.3	WPT209	Unnamed Stream	Minor	IN	65	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	0
56.4	WPT209.1	Pond	Minor	O	145	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
56.4	WPT211	Pond	Minor	O	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
58.5	WPT214	Pond	Minor	O	390	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. [j]	No	0
59.6	WPT215	Unnamed Tributary to	Minor	PN	130	0	Aerial Span	Winter	330-00-10415-2001	BCp, DVp, Wp	ND	BC, DV, W (ADFG)	None	Unk.	Unk.	5

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
61.3	WPT221-B	Putuligayuk River	Minor	PN	300	0	Aerial Span	Winter	330-00-10415	AWr, BCr, DVr, LCr, OMp, Wr	ND	AW, BC, DV, LC, OM, W (ADFG) BW, CA, CS, LT, SB (TAPS)	None	Unk.	AWr, BCr, DVr, LCr, Wr	4,5
		Putuligayuk River														
61.4	**WBC059-PTTL [k]**	**Unnamed Tributary to Putuligayuk River**	**Minor**	**PN**	**0 [k]**	**0 [k]**	**Aerial Span**	**Winter**	**None**	**N/A**	**None**	**ND**	**None**	**No**	**No**	**0**

Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018, classifies all waterbodies along the PTTL as category 1, except for the Sagavanirktok River - Main Channel and Sagavanirktok River - West Channel which are category 3.

- Category 1 = All Water Quality Standards (WQS) for all designated uses are attained.
- Category 3 = Data or information is insufficient to determine whether the WQS for any designated uses are attained.
- No Aquatic Nuisance or Nonindigenous Species have been identified in waterbodies crossed by the PTTL.
- Rev D alignment used for analysis.

AWC = Anadromous Waters Catalog; FERC = Federal Energy Regulatory Commission (FERC); N/A = not applicable; Unk. = Unknown

[a] Based on the Federal Energy Regulatory Commission (FERC) staff's Wetland and Waterbody Construction and Mitigation Procedures (2013) definitions for waterbodies, includes any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes. Minor waterbodies are those that are less than or equal to 10 feet wide at the water's edge at the time of crossing; intermediate waterbodies are those that are greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge; and major waterbodies are those greater than 100 feet wide at the water's edge at the time of crossing.

[b] Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD) and LiDAR imagery. Perennial = PN; Perennial – Multiple = PNM; Intermittent = IN; and Pond/Open Water = O.

[c] Preliminary construction wetted width for waterbodies with perceptible flow at the time of crossing. Waterbodies that are dry or frozen to the bed will be crossed using standard upland construction techniques in accordance with the Project Plan and Procedures.

[d]

[e] Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (2018).

[f] Field Season Surveys from Alaska LNG (AECOM); Alaska Department of Fish and Game; and the Trans Alaska Pipeline System. Species code, common and scientific name defined below (see Field Survey Species Codes)

AWC Species and Life Stage Codes

Code / Species	(cont'd) Code / Species	cont'd) Code / Species	Life Stage
AC = Arctic Char	DV = Dolly Varden	P = Pink Salmon	m = migration
AW = Arctic Cisco	OU = Eulachon	OM = Rainbow Smelt	p = present
AL = Arctic Lamprey	GS = Green sturgeon	LV = River Lamprey	r = rearing
BW = Broad Whitefish	HW = Humpback Whitefish	SM = Smelts, undifferentiated	s = spawning
BC = Bering Cisco	SF = Inconnu/Sheefish	S = Sockeye Salmon	
K = Chinook Salmon	LP = Lamprey, undifferentiated	SH = Steelhead Trout	
CH = Chum Salmon	LC = Least Cisco	ST = Sturgeon, undifferentiated	
CO = Coho Salmon	OL = Longfin Smelt	W = Whitefishes, undifferentiated	
CT = Cutthroat Trout	PC = Pacific Lamprey	WS = White sturgeon	

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
?	=	Fish Present?	*N/A*
AB	=	Alaska blackfish	*:Dallia pectoralis*
AC	=	Arctic char	*:Salvelinus alpinus*
AL	=	Arctic lamprey	*:Lampetra japonica*
AS	=	American shad	*:Alosa sapidissima*
BB	=	Burbot	*:Lota lota*
BC	=	Bering cisco	*:Coregonus laurettae*
BL	=	American brook lamprey	*:Lampetra sp.*
BW	=	Broad whitefish	*:Coregonus nasus*
CA	=	Arctic cisco	*:Coregonus autumnalis*
CD	=	Sculpin	*:Family Cottidae*
CI	=	Cisco	*:Coregonus sp.*
CN	=	Slimy sculpin	*:Cottus cognatus*
CS	=	Least cisco	*:Coregonus sardinella*
CT	=	Cutthroat trout	*:Oncorhynchous clarkii*
DS	=	Dog (Chum) salmon	*:Oncorhynchus keta*
DV	=	Dolly varden	*:Salvelinus malma*
GR	=	Grayling	*:Thymallus arcticus*
HO	=	Pond Smelt	*:Hypomesus olidus*

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
HW	=	Humpback whitefish	*:Coregonus pidschian*
IN	=	Inconnu (Sheefish)	*:Stenodus leucichthys*
KO	=	Kokanee	*:Oncorhynchus nerka*
KS	=	King (Chinook) salmon	*:Ohncorhynchus tshawytscha*
LC	=	Lake chub	*:Couesius plumbeus*
LS	=	Longnose sucker	*:Catostomus catostomus*
LT	=	Lake trout	*:Salvelinus namaycush*
LW	=	Lake whitefish	*:Coregomis clupeaformis*
NP	=	Northern pike	*:Esox lucius*
OM	=	Rainbow smelt	*:Osmerus mordax*
PS	=	Pink (Humpback) salmon	*:Oncorhychus gorbuscha*
PW	=	Pygmy whitefish	*:Prosopium coulteri*
RB	=	Rainbow trout	*:Oncorhynchus mykiss*
RS	=	Red (Sockeye) salmon	*:Oncorhynchus nerka*
RW	=	Round whitefish	*:Prosopium cylindraceum*
SB	=	Stickleback	*:Family Gasterosteidae*
S9	=	Ninespine stickleback	*:Pungitius pungitius*
SH	=	Steelhead trout	*:Oncorhynchus mykiss*
SK	=	Sucker	*:Family Catostomidae*
SS	=	Coho (Silver) salmon	*:Oncorhynchus kisutch*
TP	=	Trout – Perch	*:Percopsis omiscomaycus*
WF	=	Whitefish	*:Coregonus sp.*
unk	=	unkown	*N/A*

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [c]	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species [d]	AFFI Species [e]	Field Season Surveys / Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]

[g] Essential Fish Habitat (EFH) species- K = Chinook Salmon; CH = Chum Salmon; CO = Coho Salmon; P = Pink Salmon; S = Sockeye Salmon; life stage: m = migration; p = present; r = rearings; s = spawning

[h] No = no known spawning habitat or data is not available.

[i-1] FSC Yield Concern: arising from a chronic inability, despite the use of specific management measures to maintain specific yields or harvestable surpluses (5 Alaska Administrative Code 39.222(f)(42)).

[i-2] FSC Management Concern: arising chronic inability, despite the use of specific management measures, to maintain escapements for a salmon stock within the bounds of the Sustainable Escapement Goal (SEG), Biological Escapement Goal (BEG), Optimal Escapement Goal (OEG), or other specified management objectives for the fishery (5AAC 39.222(f)(21)).

[i-3] Spawning: preparation, deposition or fertilization of anadromous fish eggs.

[i-4] Documented occurrence of developmental life phase of an anadromous fish species.

[ih-5] Documented occurrence of anadromous fish.

[i-6] Subsistence fisheries.

[i-7] Commercial fisheries.

[i-8] Recreational (sport) fisheries.

[i-9] Northern pike (NAS/ANS) confirmed.

[i-10] Northern pike (NAS/ANS) active suppression.

[i-11] Unconfirmed northern pike (NAS/ANS) reported.

[j] Status of overwintering fish habitat reassigned from no to Unk. Insufficient data available to determine that no overwintering habitat exists at the crossing location, therefore, we have determined that overwintering habitat is Unk..

[k] **Preliminary additional waterbody features to be confirmed during pre-construction surveys.**

TABLE I-4a

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
Kuparuk River Sub-watershed (HUC8)																
0.0	MS-Dock-N-0	MS-Dock-N-0 (XING-03)	Pond	Culvert	Minor	O	115	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
0.0	MS-Dock-N-0	MS-Dock-N-0 (XING-02)	Pond	Culvert	Minor	O	295	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
0.0	MS-Dock-N-0	MS-Dock-N-0 (XING-01)	Pond	Culvert	Minor	O	75	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
0.0	MS-Dock-N-0	MS-Dock-N-0 (XING-05)	Pond	Culvert	Minor	O	30	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
0.0	MS-Dock-N-0	MS-Dock-N-0 (XING-04)	Pond	Culvert	Minor	O	55	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
4.5	AR-WS-E-4.61	AR-WS-E-4.61 (XING-01)	Putuligayuk River	Existing Bridge	Minor	PN	210	0	Winter	330-00-10415	BCr, DVr, Wr	ND	None	Unk.	BCr, DVr, Wr	4
136.5	MS-N-136.35	MS-N-136.35 (XING-01)	Pond	Culvert	Minor	O	105	10	Winter	None	N/A	ND	None	Unk. [l]	No	0
136.6	MS-N-136.35	MS-N-136.35 (XING-02)	Pond	Culvert	Minor	O	25	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
Sagavanirktok River Sub-watershed (HUC8)																
17.7	MS-WS-I-18.13	MS-WS-I-18.13 (XING-01)	Sagavanirktok River - West Anabranch	Ice Bridge	Minor	PN	60	0	Winter	330-00-10361	CHp, Pp, DVr, Wp	ND	CHp, Pp	Unk.	DVr	4,5
17.9	AR-MLBV-N-18.13	AR-MLBV-N-18.13 (XING-01)	Pond	Culvert	Minor	O	30	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
24.3	MS-WS-E-24.31	MS-WS-E-24.31 (XING-01)	Pond	Ice Bridge	Minor	O	70	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
24.3	MS-WS-E-24.31	MS-WS-E-24.31 (XING-02)	Sagavanirktok River - West Anabranch	Ice Bridge	Minor	PN	55	0	Winter	330-00-10361	CHp, Pp, DVR, Wp	ND	CHp, Pp	Unk.	Unk.	5
33.7	ALT-MS-33.6	ALT-MS-33.6 (XING-01)	Sagavanirktok River - West Anabranch	Ice Bridge	Minor	PN	160	0	Winter	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Unk.	DVr	4,5

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
34.2	ALT-MS-34.23	ALT-MS-34.23 (XING-01)	Sagavanirktok River - West Anabranch	Ice Bridge	Minor	PN	80	0	Winter	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Unk.	DVr	4,5
35.6	MS-WS-E-35.66	MS-WS-E-35.66 (XING-01)	Sagavanirktok River - West Anabranch	Ice Bridge	Minor	PN	130	0	Winter	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Unk.	DVr	4,5
40.2	MS-E-40.33	MS-E-40.33 (XING-01)	Pond	Existing Bridge	Minor	O	600	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
43.7	PSY-E-43.75	PSY-E-43.75 (XING-01)	Pond	Culvert	Minor	O	35	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
46.8	MS-N-46.71	MS-N-46.71 (XING-01)	Sagavanirktok River - West Anabranch	Ice Bridge	Minor	PN	350	0	Winter	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Unk.	DVr	4,5
54.5	WS-E-54.64	WS-E-54.64 (XING-01)	Pond	Ice Bridge	Major	O	312	180	Winter	None	N/A	ND	None	Unk.	Unk.	0
72.6	WS-N-72.63	WS-N-72.63 (XING-01)	Sagavanirktok River - West Anabranch	Bridge/ Culvert [j]	Minor	PN	120	0	Summer	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Unk.	DVr	4,5
76.1	MS-N-76.12	MS-N-76.12 (XING-01)	Sagavanirktok River - West Anabranch	Bridge/ Culvert [j]	Major	PN	180	120	Summer	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Unk.	DVr	4,5
76.1	MS-E-76.12	MS-E-76.12 (XING-02)	Pond	Existing Culvert	Inter-mediate	O	30	25	Summer	None	N/A	ND	None	Unk.	Unk.	0
76.1	MS-E-76.12	MS-E-76.12 (XING-01)	Unnamed Tributary to Sagavanirktok River	Existing Culvert	Inter-mediate	IN	45	35	Summer	None	N/A	ND	None	Unk.	Unk.	0
80.8	**AR-N-80.71**	**WBC003-AR [m]**	**Sagavanirktok River Side Channel**	**Culvert**	**Minor**	**PN**	**9 [m]**	**5 [m]**	**Summer**	**None**	**N/A**	**ND**	**None**	**Unk.**	**Unk.**	**0**
86.6	MS-N-86.57	MS-N-86.57 (XING-01)	Sagavanirktok River	Ice Bridge	Major	PN	420	420	Winter	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Yes	CHp, Pp, DVr	4,5
109.9	**AR-N-109.65**	**WBC004-AR [m]**	**Unnamed Tributary to Sagavanirktok River**	**Culvert**	**Minor**	**PN**	**8 [m]**	**3 [m]**	**Summer**	**None**	**N/A**	**ND**	**None**	**Unk.**	**Unk.**	**0**
141.4	AR-MS-HT-CAMP-PSY-E-141.24	AR-MS-HT-CAMP-PSY-E-141.24 (XING-01)	Unnamed Tributary to Atigun River	Existing Culvert	Minor	PN	55	0	Winter	None	N/A	ND	None	Unk. [l]	No	0

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
151.2	MS-N-151.21	MS-N-151.21 (XING-01)	Roche Mountonnee Creek	Culvert	Minor	IN	12	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
166.1	AR-PSY-N-166.07	AR-PSY-N-166.07 (XING-01)	Atigun River	Ice Bridge	Minor	PNM	260	0	Winter	None	N/A	Arctic grayling	None	Unk.	No	0
166.1	AR-PSY-N-166.07	AR-PSY-N-166.07 (XING-02)	Unnamed Tributary to Atigun River	Ice Bridge	Minor	IN	25	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
166.6	AR-E-166.57	AR-E-166.57 (XING-01)	Unnamed Stream	Existing Culvert	Minor [k]	IN	20	0	Winter	None	N/A	ND	None	Unk.	None Reported	0
168.6	AR-XG-N-168.56	AR-XG-N-168.56 (XING-01)	Atigun River #2	Culvert	Minor [k]	PNM	30	0	Winter	None	N/A	ND	None	Unk.	None Reported	0
Middle Fork-North Fork Chandalar Sub-watershed (HUC8)																
171.9	AR-XG-HT-N-171.75	AR-XG-HT-N-171.75 (XING-01)	Unnamed Stream	Culvert	Inter-mediate	PN	115	40	Summer	None	N/A	ND	None	Unk.	None Reported	0
174.6	MS-N-174.74	MS-N-174.74 (XING-01)	Unnamed Tributary to North Fork Chandalar River	Culvert	Minor	IN	50	10	Summer	None	N/A	ND	None	Unk.	No	0
174.7	MS-E-174.74	MS-E-174.74 (XING-01)	Unnamed Tributary to North Fork Chandalar River	Existing Bridge	Inter-mediate	PN	25	20	Summer	None	N/A	ND	None	Unk.	None Reported	0
Upper Koyukuk River Sub-watershed (HUC8)																

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
180.3	AR-MS-N-180.32	AR-MS-N-180.32 (XING-01)	Dietrich River Ice	Bridge	Minor	PN	85	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
181.6	AR-GA-N-181.58	AR-GA-N-181.58 (XING-01)	Dietrich River Ice	Bridge	Minor	PN	285	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
181.9	AR-XG-GA-N-181.94	AR-XG-GA-N-181.94 (XING-01)	Oskar's Eddy	Bridge	Minor [k]	PN	30	0	Winter	None	N/A	Arctic grayling	None	Unk.	None Reported	0
188.5	AR-N-188.5	AR-N-188.5 (XING-01)	Unnamed Stream	Culvert	Inter-mediate	IN	20	20	Summer	None	N/A	ND	None	Unk.	None Reported	0
236.1	AR-MS-HT-E-236.09	AR-MS-HT-E-236.09 (XING-01)	Marion Creek	Bridge	Minor [k]	PN	110	0	Winter	None	N/A	ND	None	Unk.	None Reported	0
236.4	AR-MS-HT-E-236.09	AR-MS-HT-E-236.09 (XING-02)	Marion Creek - Overflow Channel	Culvert	Minor	IN	8	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
251.9	**AR-N-251.82**	**WBC017-AR [m]**	**Ninety-Six Creek**	**Culvert**	**Minor**	**PN**	**4 [m]**	**4 [m]**	**Summer**	None	**N/A**	**ND**	**None**	**Unk. [l]**	**No**	**0**
South Fork Koyukuk River Sub-watershed (HUC8)																
277.2	AR-N-276.39	AR-N-276.39 (XING-01)	Unnamed Stream	Culvert	Minor	IN	10	10	Summer	None	N/A	ND	None	None Reported	No	0
272.7	**AR-GA-N-272.65**	**WBC021-AR [m]**	**Unnamed Tributary to Jim River**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Summer**	**None**	**N/A**	**ND**	**None**	**Unk. [l]**	**No**	**0**
278.1	**AR-N-278.11**	**WBC023-AR [m]**	**Unnamed Tributary to Jim River**	**Culvert**	**Minor**	**IN**	**0 [m]**	**0 [m]**	**Summer**	**None**	**N/A**	**ND**	**None**	**Unk. [l]**	**No**	**0**
281.5	**AR-HT-N-281.44**	**WBC025-AR [m]**	**Unnamed Tributary to Prospect Creek**	**Culvert**	**Minor**	**IN**	**5 [m]**	**3 [m]**	**Summer**	**None**	**N/A**	**ND**	**None**	**Unk. [l]**	**No**	**0**
281.7	ALT-MS-281.61	ALT-MS-281.61 (XING-01)	Prospect Creek	Bridge/ Culvert [j]	Minor	PN	75	5	Summer	334-40-11000-2125-3740-4080-5030	Ksr	Chinook salmon; Slimy sculpin	Ksr	Yes	K	3,4
299.2	AR-GA-HT-E-299.68	AR-GA-HT-E-299.68 (XING-01)	South Fork Fish Creek	Existing Culvert	Inter-mediate	PN	25	25	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
300.4	AR-GA-MS-I-300.74	AR-GA-MS-I-300.74 (XING-01)	South Fork Fish Creek	Existing Bridge	Minor	PN	10	10	Summer	None	N/A	slimy sculpin	None	Unk.	No	0

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
Tolovana River Sub-watershed (HUC8)																
408.2	**SF-N-408.12**	**WBC031-AR [m]**	**Unnamed Tributary to Tolovana River**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
409.0	**SF-N-408.12**	**WBC032-AR [m]**	**Unnamed Tributary to Vigor Creek**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
414.0	**MS-N-414.03**	**WBC033-AR [m]**	**Unnamed Tributary to Tolovana River**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
442.9	**AR-MS-N-442.89**	**WBC037-AR [m]**	**Unnamed Tributary to Goldstream Creek**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
455.8	**AR-MLBV-CAMP-HT-PSY-N-455.68**	**WBC041-AR [m]**	**Unnamed Tributary to Goldstream Creek**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
464.7	AR-MS-E-464.37	AR-MS-E-464.37 (XING-01)	Little Goldstream Creek	Existing Bridge	Minor	PN	12	0	Winter	None	N/A	ND	None	Unk. [l]	No	0
Nenana River Sub-watershed (HUC8)																
473.8	AR-GA-MS-PSY-I-473.78	AR-GA-MS-PSY-I-473.78 (XING-01)	Nenana River	Existing Bridge	Major	PN	350	340	Winter	334-40-11000-2490-3200	CHp, COp, Kp	ND	CHp, COp, Kp	Unk.	None Reported	5
473.8	AR-GA-MS-PSY-I-473.78	AR-GA-MS-PSY-I-473.78 (XING-02)	Unnamed Tributary to Nenana River	Existing Bridge	Inter-mediate	PN	100	50	Winter	334-40-11000-2490-3200	CHp, COp, Kp	ND	CHp, COp, Kp	Unk.	None Reported	5
498.6	**CAMP-PSY-N-499.44**	**WBC043-AR [m]**	**Nenana River Side Channel**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
499.4	**CAMP-PSY-N-499.44**	**WBC043.1-AR [m]**	**Nenana River Side Channel**	**Culvert**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
507.8	ALT-MS-507.79	ALT-MS-507.79 (XING-01)	Pond	Culvert	Minor	O	50	10	Winter	None	N/A	ND	None	Unk. [l]	No	0
542.9	SF-N-543.08	SF-N-543.08 (XING-01)	Yanert Fork	Bridge	Major	PN	180	150	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
561.8	**AR-HT-N-562**	**WBC045-AR [m]**	**Unnamed Stream**	**Culvert**	**Minor**	**PN**	**8**	**5**	**Summer**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
573.9	**AR-N-576.1**	**WBC046-AR [m]**	**Unnamed Tributary to Cantwell Creek**	**Culvert**	**Minor**	**PN**	**8**	**5**	**Summer**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
575.9	**AR-N-576.1**	**WBC047-AR [m]**	**Unnamed Tributary to Cantwell Creek**	**Culvert**	**Minor**	**PN**	**8**	**5**	**Summer**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
577.5	AR-MLBV-I-577.67	AR-MLBV-I-577.67 (XING-01)	Pond	Culvert	Major	O	200	200	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
Chulitna River Sub-watershed (HUC8)																
593.7	SF-N-593.83	SF-N-593.83 (XING-01)	Hardage Creek	Bridge	Minor	PN	15	10	Summer	247-41-10200-2381-3260-4020	Kr	Chinook salmon; Slimy sculpin	Kr	Unk.	Kr	4
598.2	SF-N-598.46	SF-N-598.46 (XING-01)	Honolulu Creek	Bridge	Inter-mediate [k]	PN	230	100	Summer	247-41-10200-2381-3240	Ks	ND	Ks	Yes	K	3
598.3	**SF-N-598.46**	**WBC048-AR [m]**	**Unnamed Tributary to Honolulu Creek**	**Culvert**	**Minor**	**PN**	**7**	**4**	**Summer**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
598.7	AR-MLBV-CS-HT-N-598.55	AR-MLBV-CS-HT-N-598.55 (XING-01)	Pond	Culvert	Inter-mediate	O	12	12	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
601.0	**SF-N-600.9**	**WBC049-AR [m]**	**Unnamed Tributary to Honolulu Creek**	**Culvert**	**Minor**	**PN**	**9**	**5**	**Summer**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
603.4	SF-N-603.46	SF-N-603.46 (XING-01)	Hurricane Gulch	Bridge	Inter-mediate	PN	30	20	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
616.2	AR-MLBV-N-616.31	AR-MLBV-N-616.31 (XING-01)	Pond	Culvert	Major	O	105	105	Summer	247-41-10200-2381-3232-4020	COr	ND	COr	Unk.	None Reported	4
Lower Susitna River Sub-watershed (HUC8)																

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
674.0	AR-TL-CS-MLBV-MS-HT-N-674.75	AR-TL-CS-MLBV-MS-HT-N-674.75 (XING-01)	Queer Creek	Culvert	Intermediate	PN	250	25	Winter	247-41-10200-2291-3011	COr, Kr	Chinook salmon; Coho salmon; Stickleback-unspecified; lamprey-unspecified	CHp, COr, Kr	Unk.	None Reported	4,8
676.8	**AR-TL-CS-MLBV-MS-HT-N-674.75**	**WBC053-AR [m]**	**Unnamed Tributary to Queer Creek**	**Culvert [m]**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
678.3	**AR-TL-CS-MLBV-MS-HT-N-674.75**	**WBC067-AR [m]**	**Unnamed Stream**	**Culvert [m]**	**Minor**	**IN**	**11 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
678.5	**AR-TL-CS-MLBV-MS-HT-N-674.75**	**WBC068-AR [m]**	**Unnamed Stream**	**Culvert [m]**	**Minor**	**PN**	**20 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
681.6	**AR-TL-CS-MLBV-MS-HT-N-674.75**	**WBC066-AR [m]**	**Unnamed Stream**	**Culvert [m]**	**Minor**	**IN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
682.1	**AR-TL-CS-MLBV-MS-HT-N-674.75**	**WBC065-AR [m]**	**Unnamed Stream**	**Culvert [m]**	**Minor**	**PN**	**7 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
683.7	**AR-TL-CS-MLBV-MS-HT-N-674.75**	**WBC054-AR [m]**	**Unnamed Tributary to Trapper Creek**	**Culvert [m]**	**Minor**	**PN**	**0 [m]**	**0 [m]**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
704.7	SF-N-704.67	SF-N-704.67 (XING-01)	Deshka River	Bridge	Intermediate [k]	PN	230	100	Winter	247-41-10200-2081	CHs, COsr, Kpr, Pp, Spr, ALp, Wp	Arctic lamprey; Pacific lamprey; Chinook salmon; Pink salmon; Burbot; Longnose sucker; Northern pike; Slimy sculpin; Round whitefish; Threespine stickleback	CHs, COsr, Kpr, Pp, Spr	Yes	CH,K,P, CO	3,4,5, 8,9
720.4	SF-N-720.24	SF-N-720.24 (XING-01)	Fish Creek	Bridge	Intermediate	PN	150	80	Winter	247-41-10200-2053-3020-4015	COr, Kpr, Sp	ND	COr, Kpr, Sp	Unk.	K,CO	4,5,8, 9
725.6	SF-N-725	SF-N-725 (XING-02)	Unnamed Tributary to Anderson Creek	Culvert	Minor	PN	15	0	Winter	247-41-10200-2043-3018	COp	ND	COp	Unk.	Unk.	5
725.8	SF-N-725	SF-N-725 (XING-01)	Anderson Creek	Bridge	Minor	PN	150	5	Winter	247-41-10200-2043	COp, Pp	ND	COp, Pp	Unk.	Unk.	5,8,9

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
727.9	SF-N-727.8	SF-N-727.8 (XING-01)	Alexander Creek	Bridge	Inter-mediate	PN	200	50	Winter	247-41-10200-2015	CHp, COr, Kp, Pp, Sp	ND	CHp, COr, Kp, Pp, Sp	Unk.	K,CO,P	2,4,5, 8,10
744.6	AR-CAMP-PSY-I-745.04	AR-CAMP-PSY-I-745.04 (XING-01)	Pond	Culvert	Major	O	150	140	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
745.1	AR-CAMP-PSY-I-745.04	AR-CAMP-PSY-I-745.04 (XING-02)	Lewis River	Existing Bridge	Inter-mediate	PN	40	40	Summer	247-30-10070	COr, Ksr	ND	COr, Ksr	Yes	K	3,4,9
746.5	AR-CAMP-PSY-I-745.04	AR-CAMP-PSY-I-745.04 (XING-03)	Pond	Culvert	Inter-mediate	O	75	75	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
746.5	AR-CAMP-PSY-I-745.04	AR-CAMP-PSY-I-745.04 (XING-04)	Theodore River	Existing Bridge	Inter-mediate	PN	80	80	Summer	247-30-10080	CHp, COr, Ksr, Pp	ND	CHp, COr, Ksr, Pp	Yes	None Reported	3,4,5
Yentna River Sub-watershed (HUC8)																
720.9	SF-N-720.24	SF-N-720.24 (XING-02)	Yentna River Ice	Bridge	Major	PN	1400	400	Winter	247-41-10200-2053	CHs, COsr, Kpr, Pp, Spr, OUs	ND	CHs, COsr, Kpr, Pp, Spr	Yes	CH,CO	1,3,4, 5,6,7, 8,9
Redoubt-Trading Bay Sub-watershed (HUC8)																
749.1	AR-MLBV-CS-E-749.39	AR-MLBV-CS-E-749.39 (XING-01)	Pond	Existing Culvert	Inter-mediate	O	60	60	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
749.2	AR-MLBV-CS-E-749.39	AR-MLBV-CS-E-749.39 (XING-02)	Unnamed Stream	Existing Culvert	Inter-mediate	PN	20	20	Summer	247-30-10080-2031	COr, Kr	ND	COr, Kr	Unk.	K	4

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
750.1	MS-E-750.95	MS-E-750.95 (XING-01)	Pretty Creek	Culvert	Minor	PN	10	10	Summer	247-30-10090-2010	COr, Kr, Ps, Sr	ND	COr, Kr, Ps, Sr	Yes	K,P	3,4,8
750.1	AR-I-749.39	AR-I-749.39 (XING-01)	Pretty Creek	Existing Culvert	Inter-mediate	PN	15	15	Summer	247-30-10090-2010	COr, Kr, Ps, Sr	ND	COr, Kr, Ps, Sr	Yes	K,P	3,4,8
750.2	**MS-E-750.95**	**WBC058-AR [m]**	**Pretty Creek**	**Culvert**	**Minor**	**PN**	**9 [m]**	**4 [m]**	**Summer**	**247-30-10090-2010**	**COr, Kr, Ps, Sr**	**ND**	**COr, Kr, Ps, Sr**	**Yes**	**K,P**	**3,4,8**
750.3	AR-I-749.39	AR-I-749.39 (XING-02)	Unnamed Stream	Existing Culvert	Minor	PN	5	5	Summer	None	N/A	ND	None	Unk. [l]	No	0
750.4	AR-I-749.39	AR-I-749.39 (XING-03)	Unnamed Stream	Existing Culvert	Minor	PN	5	5	Summer	None	N/A	ND	None	Unk. [l]	No	0
750.4	AR-I-749.39	AR-I-749.39 (XING-04)	Unnamed Stream	Existing Culvert	Minor	IN	5	2	Summer	None	N/A	ND	None	Unk. [l]	No	0
750.6	AR-I-749.39	AR-I-749.39 (XING-05)	Unnamed Stream	Existing Culvert	Minor	IN	5	2	Summer	None	N/A	ND	None	Unk. [l]	No	0
750.9	AR-I-749.39	AR-I-749.39 (XING-06)	Unnamed Stream	Existing Culvert	Minor	IN	5	2	Summer	None	N/A	ND	None	Unk. [l]	No	0
752.4	AR-I-749.39	AR-I-749.39 (XING-07)	Tributary to Olson Creek	Existing Culvert	Inter-mediate	IN	30	15	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0
752.7	AR-I-749.39	AR-I-749.39 (XING-08)	Tributary to Olson Creek	Existing Culvert	Minor	IN	15	5	Summer	None	N/A	ND	None	Unk. [l]	No	0
753.7	AR-I-749.39	AR-I-749.39 (XING-09)	Olson Creek	Existing Bridge	Inter-mediate	IN	40	25	Summer	247-30-10090-2020	COsr, Ksr	ND	COsr, Ksr	Yes	CO,K	3,4,5, 8
756.1	AR-N-756.29	AR-N-756.29 (XING-01)	Pond	Culvert	Inter-mediate	O	75	75	Summer	None	N/A	ND	None	Unk. [l]	None Reported	0

Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018, classifies all waterbodies crossed by the Mainline access roads as category 1, except for the Sagavanirktok River, Sagavanirktok River - West Anabranch, Deshka River, and an Unnamed Stream at MP 749.2 which are category 3.

- Category 1 = All Water Quality Standards (WQS) for all designated uses are attained.
- Category 3 = Data or information is insufficient to determine whether the WQS for any designated uses are attained.

Rev C2 alignment used for analysis.

Access roads current as of November 26, 2018.

AWC = Anadromous Waterbody Catalog; FERC = Federal Energy Regulatory Commission; ft = feet; N/A = Not applicable; Unk. = Unknown

[a] Alaska Gasline Development Corporation (AGDC) identified all access roads as temporary except: AR-MLBV-CS-HT-N-598.55, AR-TL-CS-MLBV-MS-HT-N-674.75, and AR-MLBV-CS-E-749.39. However, AGDC has stated that bridges, culverts, and gravel placed below the ordinary high water mark of streams and rivers would not be removed following construction unless requested by the landowner and therefore all granular fill access roads are evaluated as permanent.

[b] Based on the Federal Energy Regulatory Commission (FERC) staff's Wetland and Waterbody Construction and Mitigation Procedures (2013) definitions for waterbodies, includes any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes. Minor waterbodies are those that are less than or equal to 10 feet wide at the water's edge at the time of crossing; Inter-mediate waterbodies are those that are greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge; and major waterbodies are those greater than 100 feet wide at the water's edge at the time of crossing.

[c] Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD) and LiDAR imagery. Perennial = PN; Perennial – Multiple = PNM; Intermittent = IN; and Pond/Open Water = O.

[d] Preliminary construction wetted width for waterbodies with perceptible flow at the time of crossing. Waterbodies that are dry or frozen to the bed will be crossed using standard upland construction techniques in accordance with the Project Plan and Procedures.

[e]

AWC Species and Life Stage Codes

Code / Species	(cont'd) Code / Species	cont'd) Code / Species	Life Stage
AC = Arctic Char	DV = Dolly Varden	P = Pink Salmon	m = migration
AW = Arctic Cisco	OU = Eulachon	OM = Rainbow Smelt	p = present
AL = Arctic Lamprey	GS = Green sturgeon	LV = River Lamprey	r = rearing
BW = Broad Whitefish	HW = Humpback Whitefish	SM = Smelts, undifferentiated	s = spawning
BC = Bering Cisco	SF = Inconnu/Sheefish	S = Sockeye Salmon	
K = Chinook Salmon	LP = Lamprey, undifferentiated	SH = Steelhead Trout	
CH = Chum Salmon	LC = Least Cisco	ST = Sturgeon, undifferentiated	
CO = Coho Salmon	OL = Longfin Smelt	W = Whitefishes, undifferentiated	
CT = Cutthroat Trout	PC = Pacific Lamprey	WS = White sturgeon	

TABLE I-4a (cont'd)

Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	Essential Fish Habitat [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]

[f] Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (2018).

[g] Essential Fish Habitat (EFH) species- K = Chinook Salmon; CH = Chum Salmon; CO = Coho Salmon; P = Pink Salmon; S = Sockeye Salmon; life stage: m = migration; p = present; r = rearings; s = spawning

[h] No = no known spawning habitat or data is not available.

[i-1] FSC Yield Concern: arising from a chronic inability, despite the use of specific management measures to maintain specific yields or harvestable surpluses (5 AAC 39.222(f)(42)).

[i-2] FSC Management Concern: arising chronic inability, despite the use of specific management measures, to maintain escapements for a salmon stock within the bounds of the Sustainable Escapement Goal (SEG), Biological Escapement Goal (BEG), Optimal Escapement Goal (OEG), or other specified management objectives for the fishery (5AAC 39.222(f)(21)).

[i-3] Spawning: preparation, deposition, or fertilization of anadromous fish eggs.

[i-4] Documented occurrence of developmental life phase of an anadromous fish species.

[i-5] Documented occurrence of anadromous fish.

[i-6] Subsistence fisheries.

[i-7] Commercial fisheries.

[i-8] Recreational (sport) fisheries.

[i-9] Northern pike (NAS/ANS) confirmed.

[i-10] Northern pike (NAS/ANS) active suppression.

[i-11] Unconfirmed northern pike (NAS/ANS) reported.

[j] Access road crossing type was reassigned from ice road to bridge/culvert based on proposed construction season and aerial imagery data.

[k] FERC size classification reassigned based on AGDC's preliminary construction wetted width.

[l] Status of overwintering fish habitat reassigned from no to Unk.. Insufficient data available to determine that no overwintering habitat exists at the crossing location, therefore, we have determined that overwintering habitat is Unk..

[m] **All water features identified will be confirmed during pre-construction surveys.**

TABLE I-4b

Waterbodies Crossed by GTP Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	EFH [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]
Kuparuk River Sub-watershed (HUC8)																
0.0	New Module Haul Road	New Module Haul Road	Unnamed Stream	Culvert	Minor	PN	20	0	Winter	None	N/A	ND	None	Unk. [j]	No	0
0.0	**DS15**	**WBC060.1-GTP-DS15-AR [k]**	**Unnamed Tributary to Putuligayuk River**	**Culvert**	**Minor**	**PN**	**0**	**0**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
0.0	**DS15**	**WBC060-GTP-DS15-AR [k]**	**Unnamed Tributary to Putuligayuk River**	**Culvert**	**Minor**	**PN**	**0**	**0**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**
0.0	**MS-RESVR-AR [k]**	**WBC062-RESVR-AR [k]**	**Unnamed Lake/Pond**	**Culvert [l]**	**Minor**	**PN**	**0**	**0**	**Winter**	**None**	**N/A**	**ND**	**None**	**None**	**No**	**0**

Notes: Rev C2 alignment used for analysis.
Access roads current as of November 26, 2018.

AWC = Anadromous Waters Catalog; FERC = Federal Energy Regulatory Commission; ft = feet; N/A = Not applicable; Unk. = Unknown

[a] AGDC identified all access roads as temporary except the New Module Haul Road (MP 0.0). However, AGDC has stated that bridges, culverts, and gravel placed below the ordinary high water mark of streams and rivers would not be removed following construction unless requested by the landowner and therefore all granular fill access roads are evaluated as permanent.

[b] Based on the FERC staff's Wetland and Waterbody Construction and Mitigation Procedures (2013) definitions for waterbodies, includes any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes. Minor waterbodies are those that are less than or equal to 10 feet wide at the water's edge at the time of crossing; Inter-mediate waterbodies are those that are greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge; and major waterbodies are those greater than 100 feet wide at the water's edge at the time of crossing.

[c] Flow classification based on USGS National Hydrographic Dataset (NHD) and LiDAR imagery. Perennial = PN; Perennial – Multiple = PNM; Intermittent = IN; and Pond/Open Water = O.

[d] Preliminary construction wetted width for waterbodies with perceptible flow at the time of crossing. Waterbodies that are dry or frozen to the bed will be crossed using standard upland construction techniques in accordance with the Project Plan and Procedures.

[e]

AWC Species and Life Stage Codes			
Code / Species	**(cont'd) Code / Species**	**cont'd) Code / Species**	**Life Stage**
AC = Arctic Char	DV = Dolly Varden	P = Pink Salmon	m = migration
AW = Arctic Cisco	OU = Eulachon	OM = Rainbow Smelt	p = present
AL = Arctic Lamprey	GS = Green sturgeon	LV = River Lamprey	r = rearing
BW = Broad Whitefish	HW = Humpback Whitefish	SM = Smelts, undifferentiated	s = spawning
BC = Bering Cisco	SF = Inconnu/Sheefish	S = Sockeye Salmon	
K = Chinook Salmon	LP = Lamprey, undifferentiated	SH = Steelhead Trout	
CH = Chum Salmon	LC = Least Cisco	ST = Sturgeon, undifferentiated	
CO = Coho Salmon	OL = Longfin Smelt	W = Whitefishes, undifferentiated	
CT = Cutthroat Trout	PC = Pacific Lamprey	WS = White sturgeon	

TABLE I-4b (cont'd)

Waterbodies Crossed by GTP Access Roads

Near Mainline Milepost	Access Road ID [a]	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification [b]	Flow Classification [c]	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) [d]	Proposed Construction Season	AWC Code	AWC Species [e]	AFFI Species [f]	EFH [g]	Overwintering	Spawning Upstream [h]	Special Fishery Concerns [i]

[f] Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (2018).

[g] Essential Fish Habitat (EFH) species- K = Chinook Salmon; CH = Chum Salmon; CO = Coho Salmon; P = Pink Salmon; S = Sockeye Salmon; life stage: m = migration; p = present; r = rearings; s = spawning

[h] No = no known spawning habitat or data is not available.

[i-1] FSC Yield Concern: arising from a chronic inability, despite the use of specific management measures to maintain specific yields or harvestable surpluses (5 AAC 39.222(f)(42)).

[i-2] FSC Management Concern: arising chronic inability, despite the use of specific management measures, to maintain escapements for a salmon stock within the bounds of the Sustainable Escapement Goal (SEG), Biological Escapement Goal (BEG), Optimal Escapement Goal (OEG), or other specified management objectives for the fishery (5AAC 39.222(f)(21)).

[i-3] Spawning: preparation, deposition, or fertilization of anadromous fish eggs.

[i-4] Documented occurrence of developmental life phase of an anadromous fish species.

[i-5] Documented occurrence of anadromous fish.

[i-6] Subsistence fisheries

[i-7] Commercial fisheries

[i-8] Recreational (sport) fisheries

[i-9] Northern pike (NAS/ANS) confirmed

[i-10] Northern pike (NAS/ANS) active suppression

[i-11] Unconfirmed northern pike (NAS/ANS) reported

[j] Status of overwintering fish habitat reassigned from no to Unk. Insufficient data available to determine that no overwintering habitat exists at the crossing location, therefore, we have determined that overwintering habitat is Unk.

[K] **All water features identified will be confirmed during pre-construction surveys.**

[l] **See plan and profile drawing No. USAG-EC-CDRAL-00-001003-000 (Resource Report No. 13, GTP) for culvert placement and sizing.**

TABLE I-5

Mainline Off Right-of-Way Facilities within Waterbodies

Near Mainline Milepost	Site Name	Site Waterbody Crossing ID	Waterbody Name	Flow Classification [b]	Proposed Construction Season	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	EFH Species [f]	Over-wintering	Spawning Upstream
Sagavanirktok River Sub-watershed (HUC8)												
17.8	MS-17.81 FP	MS-17.81 FP	Sagavanirktok River - West Anabranch	PN	Winter	330-00-10361	CHp, Pp, DVr, Wp	ND	ND	CHp, Pp	Unknown	Unknown
24.3	65-9-026-2 FP	65-9-026-2 FP	Sagavanirktok River - West Anabranch	PN	Winter	330-00-10361	CHp, Pp, DVr, Wp	ND	ND	CHp, Pp	Unknown	Unknown
46.8	65-9-040-2 FP	65-9-040-2 FP	Sagavanirktok River - West Anabranch	PN	Winter	330-00-10360	CHp, Pp, DVr	ND	ND	CHp, Pp	Unknown	Unknown
75.9	65-9-072-2 FP2	65-9-072-2 FP2	Sagavanirktok River - West Anabranch	PN	Winter	330-00-10360	CHp, Pp, DVr	ND	9S, CH, P, BC, DV, LC, W (ADFG)	CHp, Pp	Unknown	Unknown
87.4	Alternate Extra FP	Alternate Site Extra FP	Sagavanirktok River	PN	Winter	330-00-10360	CHp, Pp, DVr	ND	CH, P, DV, (ADFG)	CHp, Pp	Unknown	Unknown
148.8	**65-9-056-2 FP**	**WBC006-MS [g]**	**Holden Creek**	**PN**	**Winter**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
Middle Fork-North Fork Chandalar River Sub-watershed (HUC8)												
174.6	**Chandalar PSY**	**WBC007-PSY [g]**	**Unnamed Tributary to North Fork Chandalar River**	**IN**	**Summer**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
Upper Koyukuk River Sub-watershed (HUC8)												
243.8	**Proposed Site 3 Extra FP**	**WBC016-MS [g]**	**Spring Slough**	**IN**	**Winter**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
251.8	**WD-043**	**WBC017-WD [g]**	**Ninety-Six Creek**	**PN**	**Summer**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
South Fork Koyukuk River Sub-watershed (HUC8)												
260.9	**Alternate Site 43 Extra FP**	**WBC018-MS-ALT [g]**	**Unnamed Tributary to South Fork Koyukuk River**	**IN**	**Summer**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
281.5	**WD-050**	**WBC025-WD [g]**	**Unnamed Tributary to Prospect Creek**	**IN**	**Summer**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
Ramparts-Yukon River Sub-watershed (HUC8)												
337.0	**65-9-078-2 FP**	**WBC028-PSY [g]**	**Unnamed Tributary to North Fork Ray River**	**PN**	**Summer**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
Tolovana River Sub-watershed (HUC8)												
405.9	**2015-LF1 FP**	**WBC029-MS [g]**	**Unnamed Tributary to Tolovana River**	**PN**	**Winter**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**
449.7	**2015-LF8 FP**	**WBC039-MS [g]**	**Unnamed Tributary to Goldstream Creek**	**PN**	**Winter**	**None**	**N/A**	**ND**	**ND**	**No**	**No**	**No**

TABLE I-5

Mainline Off Right-of-Way Facilities within Waterbodies

Near Mainline Milepost	Site Name	Site Waterbody Crossing ID	Waterbody Name	Flow Classification [b]	Proposed Construction Season	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	EFH Species [f]	Over-wintering	Spawning Upstream

Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018, classifies all waterbodies crossed by the Mainline material sites as category 1, except for the Sagavanirktok River and Sagavanirktok River - West Anabranch which are category 3.

- Category 1 = All Water Quality Standards (WQS) for all designated uses are attained.
- Category 3 = Data or information is insufficient to determine whether the WQS for any designated uses are attained.
- No Aquatic Nuisance or Nonindigenous Species have been identified in waterbodies where material sites would be developed.
- AFFI survey data is not available for any waterbodies affected. However, there are documented occurrences of developmental life phases and adults of anadromous fish species.
- Material sites current as of November 26, 2018.

AWC = Anadromous Waters Catalog; EFH = essential fish habitat; FERC = Federal Energy Regulatory Commission

[a] Based on FERC Staff's Wetland and Waterbody Construction and Mitigation Procedures (2013) definitions for waterbodies, includes any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes. Minor waterbodies are those that are less than or equal to 10 feet wide at the water's edge at the time of crossing; intermediate waterbodies are those that are greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge; and major waterbodies are those greater than 100 feet wide at the water's edge at the time of crossing.

[b] Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD) and LiDAR imagery. Perennial = PN

TABLE I-5 (cont'd)

Material Sites Within Waterbodies

Near Mainline Milepost	Material Site Name	Material Site Waterbody Crossing ID	Waterbody Name	Flow Classification [b]	Proposed Construction Season	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	EFH Species [f]	Over-wintering	Spawning Upstream

[c]

AWC Species and Life Stage Codes			
Code / Species	**(cont'd) Code / Species**	**cont'd) Code / Species**	**Life Stage**
AC = Arctic Char	DV = Dolly Varden	P = Pink Salmon	m = migration
AW = Arctic Cisco	OU = Eulachon	OM = Rainbow Smelt	p = present
AL = Arctic Lamprey	GS = Green sturgeon	LV = River Lamprey	r = rearing
BW = Bering Cisco	HW = Humpback Whitefish	SM = Smelts, undifferentiated	s = spawning
BC = Broad Whitefish	SF = Inconnu/Sheefish	S = Sockeye Salmon	
K = Chinook Salmon	LP = Lamprey, undifferentiated	SH = Steelhead Trout	
CH = Chum Salmon	LC = Least Cisco	ST = Sturgeon, undifferentiated	
CO = Coho Salmon	OL = Longfin Smelt	W = Whitefishes, undifferentiated	
CT = Cutthroat Trout	PC = Pacific Lamprey	WS = White sturgeon	

[d] Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (2018).

TABLE I-5 (cont'd)

Material Sites Within Waterbodies

Near Mainline Milepost	Material Site Name	Material Site Waterbody Crossing ID	Waterbody Name	Flow Classification [b]	Proposed Construction Season	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	EFH Species [f]	Over-wintering	Spawning Upstream

[e] Field Season Surveys from Alaska LNG (AECOM); Alaska Department of Fish and Game; and the Trans Alaska Pipeline System. Species code, common and scientific name defined below (see Field Survey Species Codes).

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
?	=	Fish Present?	*N/A*
AB	=	Alaska blackfish	*:Dallia pectoralis*
AC	=	Arctic char	*:Salvelinus alpinus*
AL	=	Arctic lamprey	*:Lampetra japonica*
AS	=	American shad	*:Alosa sapidissima*
BB	=	Burbot	*:Lota lota*
BC	=	Bering cisco	*:Coregonus laurettae*
BL	=	American brook lamprey	*:Lampetra sp.*
BW	=	Broad whitefish	*:Coregonus nasus*
CA	=	Arctic cisco	*:Coregonus autumnalis*
CD	=	Sculpin	*:Family Cottidae*
CI	=	Cisco	*:Coregonus sp.*
CN	=	Slimy sculpin	*:Cottus cognatus*
CS	=	Least cisco	*:Coregonus sardinella*
CT	=	Cutthroat trout	*:Oncorhynchous clarkii*
DS	=	Dog (Chum) salmon	*:Oncorhynchus keta*
DV	=	Dolly varden	*:Salvelinus malma*
GR	=	Grayling	*:Thymallus arcticus*
HO	=	Pond Smelt	*:Hypomesus olidus*

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
HW	=	Humpback whitefish	*:Coregonus pidschian*
IN	=	Inconnu (Sheefish)	*:Stenodus leucichthys*
KO	=	Kokanee	*:Oncorhynchus nerka*
KS	=	King (Chinook) salmon	*:Ohncorhynchus tshawytscha*
LC	=	Lake chub	*:Couesius plumbeus*
LS	=	Longnose sucker	*:Catostomus catostomus*
LT	=	Lake trout	*:Salvelinus namaycush*
LW	=	Lake whitefish	*:Coregomis clupeaformis*
NP	=	Northern pike	*:Esox lucius*
OM	=	Rainbow smelt	*:Osmerus mordax*
PS	=	Pink (Humpback) salmon	*:Oncorhychus gorbuscha*
PW	=	Pygmy whitefish	*:Prosopium coulteri*
RB	=	Rainbow trout	*:Oncorhynchus mykiss*
RS	=	Red (Sockeye) salmon	*:Oncorhynchus nerka*
RW	=	Round whitefish	*:Prosopium cylindraceum*
SB	=	Stickleback	*:Family Gasterosteidae*
S9	=	Ninespine stickleback	*:Pungitius pungitius*
SH	=	Steelhead trout	*:Oncorhynchus mykiss*
SK	=	Sucker	*:Family Catostomidae*
SS	=	Coho (Silver) salmon	*:Oncorhynchus kisutch*
TP	=	Trout – Perch	*:Percopsis omiscomaycus*
WF	=	Whitefish	*:Coregonus sp.*
unk	=	unkown	*N/A*

[f] Essential Fish Habitat (EFH) species- K = Chinook Salmon; CH = Chum Salmon; CO = Coho Salmon; P = Pink Salmon; S = Sockeye Salmon; life stage: m = migration; p = present; r = rearings; s = spawning

[g] **All water features identified will be confirmed during pre-construction surveys.**

TABLE I-7

Waterbodies within the Gas Treatment Plant and Liquefaction Facility Sites

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	Essential Fish Habitat [f]	Over-wintering	Spawning Upstream [g]	Special Fisheries Concerns [h]
Kuparuk River Sub-watershed (HUC8)															
0.0	WBC061-RESVR-PAD [i, j, m]	Putuligayuk River	Major	PN	N/A [j]	Winter	Yes	330-00-10415	AWr, BCr, DVr, LCr, OMp, Wr	ND	AW, BC, DV, LC, OM, W (ADFG) BW, CA, CS, LT, SB (TAPS)	None	Unk.	AWr, BCr, DVr, LCr, Wr	4,5
0.0	WBC063-GTP-PAD [i]	Unnamed Lake/Pond	Minor	PN	N/A [j]	Winter	No	None	N/A	ND	None	None	No	No	None
0.0	WBC064-GTP-ROW [i]	Unnamed Lake/Pond	Minor	PN	Aerial [l]	Winter	No	None	N/A	ND	None	None	No	No	None
Upper Kenai Peninsula Sub-watershed (HUC8)															
806	WBC069-LNG [i]	Unnamed Lake/Pond	N/A	PN	N/A [j, k]	Summer	No	None	N/A	ND	None	None	No	No	None

TABLE I-7

Waterbodies within the Gas Treatment Plant and Liquefaction Facility Sites

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	Essential Fish Habitat [f]	Over-wintering	Spawning Upstream [g]	Special Fisheries Concerns [h]

AWC = Anadromous Waters Catalog; FERC = Federal Energy Regulatory Commission; N/A = Not applicable; Unk. = Unknown

Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018, classifies all waterbodies along the Mainline Pipeline as category 1, except for the Sagavanirktok River and Sagavanirktok River - West Anabranch which are category 3.

- Category 1 = All Water Quality Standards (WQS) for all designated uses are attained
- Category 2 = Some WQS for the designated uses are attained, but data and information to determine whether the WQS for the remaining uses are attained are insufficient or absent.
- Category 3 = Data or information is insufficient to determine whether the WQS for any designated uses are attained.
- Rev C2 alignment used for analysis.
- FERC= Federal Energy Regulatory Commission

[a] Based on FERC staff's Wetland and Waterbody Construction and Mitigation Procedures (2013) definitions for waterbodies, includes any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes. Minor waterbodies are those that are less than or equal to 10 feet wide at the water's edge at the time of crossing; intermediate waterbodies are those that are greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge; and major waterbodies are those greater than 100 feet wide at the water's edge at the time of crossing.

[b] Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD) and LiDAR imagery. Perennial = PN; Perennial – Multiple = PNM; Intermittent = IN; and Pond/Open Water = O.

[c] Anadromous Waters Catalog (AWC) Species and Life Stage Codes Below:

AWC Species and Life Stage Codes

Code / Species	Code / Species	Code / Species	Life Stage
AC = Arctic char	DV = Dolly Varden	P = Pink salmon	m = migration
AW = Arctic cisco	OU = Eulachon	OM = Rainbow smelt	p = present
AL = Arctic lamprey	GS = Green sturgeon	LV = River lamprey	r = rearing
BW = Broad whitefish	HW = Humpback whitefish	SM = Smelts, undifferentiated	s = spawning
BC = Bering cisco	SF = Inconnu/Sheefish	S = Sockeye salmon	
K = Chinook salmon	LP = Lamprey, undifferentiated	SH = Steelhead trout	
CH = Chum salmon	LC = Least cisco	ST = Sturgeon, undifferentiated	
CO = Coho salmon	OL = Longfin smelt	W = Whitefishes, undifferentiated	
CT = Cutthroat trout	PC = Pacific lamprey	WS = White sturgeon	

[d] Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (2018).

TABLE I-7

Waterbodies within the Gas Treatment Plant and Liquefaction Facility Sites

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	Essential Fish Habitat [f]	Over-wintering	Spawning Upstream [g]	Special Fisheries Concerns [h]

[e] Field Season Surveys from Alaska LNG (AECOM); Alaska Department of Fish and Game; and the Trans Alaska Pipeline System. Species code, common and scientific name defined below (see Field Survey Species Codes).

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
?	=	Fish Present?	*N/A*
AB	=	Alaska blackfish	*:Dallia pectoralis*
AC	=	Arctic char	*:Salvelinus alpinus*
AL	=	Arctic lamprey	*:Lampetra japonica*
AS	=	American shad	*:Alosa sapidissima*
BB	=	Burbot	*:Lota lota*
BC	=	Bering cisco	*:Coregonus laurettae*
BL	=	American brook lamprey	*:Lampetra sp.*
BW	=	Broad whitefish	*:Coregonus nasus*
CA	=	Arctic cisco	*:Coregonus autumnalis*
CD	=	Sculpin	*:Family Cottidae*
CI	=	Cisco	*:Coregonus sp.*
CN	=	Slimy sculpin	*:Cottus cognatus*
CS	=	Least cisco	*:Coregonus sardinella*
CT	=	Cutthroat trout	*:Oncorhynchous clarkii*
DS	=	Dog (Chum) salmon	*:Oncorhynchus keta*
DV	=	Dolly varden	*:Salvelinus malma*
GR	=	Grayling	*:Thymallus arcticus*
HO	=	Pond Smelt	*:Hypomesus olidus*

AKLNG, ADFG and TAPS Field Survey Species Codes

Species Code		Common Name	Scientific Name
HW	=	Humpback whitefish	*:Coregonus pidschian*
IN	=	Inconnu (Sheefish)	*:Stenodus leucichthys*
KO	=	Kokanee	*:Oncorhynchus nerka*
KS	=	King (Chinook) salmon	*:Ohncorhynchus tshawytscha*
LC	=	Lake chub	*:Couesius plumbeus*
LS	=	Longnose sucker	*:Catostomus catostomus*
LT	=	Lake trout	*:Salvelinus namaycush*
LW	=	Lake whitefish	*:Coregomis clupeaformis*
NP	=	Northern pike	*:Esox lucius*
OM	=	Rainbow smelt	*:Osmerus mordax*
PS	=	Pink (Humpback) salmon	*:Oncorhychus gorbuscha*
PW	=	Pygmy whitefish	*:Prosopium coulteri*
RB	=	Rainbow trout	*:Oncorhynchus mykiss*
RS	=	Red (Sockeye) salmon	*:Oncorhynchus nerka*
RW	=	Round whitefish	*:Prosopium cylindraceum*
SB	=	Stickleback	*:Family Gasterosteidae*
S9	=	Ninespine stickleback	*:Pungitius pungitius*
SH	=	Steelhead trout	*:Oncorhynchus mykiss*
SK	=	Sucker	*:Family Catostomidae*
SS	=	Coho (Silver) salmon	*:Oncorhynchus kisutch*
TP	=	Trout – Perch	*:Percopsis omiscomaycus*
WF	=	Whitefish	*:Coregonus sp.*
unk	=	unkown	*N/A*

TABLE I-7

Waterbodies within the Gas Treatment Plant and Liquefaction Facility Sites

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification [a]	Flow Classification [b]	Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species [c]	AFFI Species [d]	Field Season Surveys / Species [e]	Essential Fish Habitat [f]	Over-wintering	Spawning Upstream [g]	Special Fisheries Concerns [h]

f	Essential Fish Habitat (EFH) species- K = Chinook salmon; CH = Chum salmon; CO = Coho salmon; P = Pink salmon; S = Sockeye salmon; life stage: m = migration; p = present; r = rearings; s = spawning
g	No = no known spawning habitat or data is not available.
h-1	FSC Yield Concern: arising from a chronic inability, despite the use of specific management measures to maintain specific yields or harvestable surpluses (5 AAC 39.222(f)(42)).
h-2	FSC Management Concern: arising chronic inability, despite the use of specific management measures, to maintain escapements for a salmon stock within the bounds of the Sustainable Escapement Goal (SEG), Biological Escapement Goal (BEG), Optimal Escapement Goal (OEG), or other specified management objectives for the fishery (5 Alaska Administrative Code 39.222(f)(21)).
h-3	Spawning: preparation, deposition, or fertilization of anadromous fish eggs.
h-4	Documented occurrence of developmental life phase of an anadromous fish species.
h-5	Documented occurrence of anadromous fish.
h-6	Subsistence fisheries.
h-7	Commercial fisheries.
h-8	Recreational (sport) fisheries.
h-9	Northern pike (NAS/ANS) confirmed.
h-10	Northern pike (NAS/ANS) active suppression.
h-11	Unconfirmed northern pike (NAS/ANS) reported.
i	**All water features identified will be confirmed during pre-construction surveys.**
j	**Adjustments will be made to avoid the feature to the extent practicable. Where applicable, culverts shall be installed to assure natural drainage patterns.**
k	**Existing pond will be utilized as a stormwater pond for the LNG Plant.**
l	**VSM impact for GTP support aerial pipelines, to be confirmed during detailed design.**
m	**The reservoir is not within the GTP site but a component of the facility.**