

**APPENDIX I**  
**Waterbody Tables**

## **APPENDIX I: Waterbody Tables**

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TABLE I-1

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
0.2	2163	0	Road crossing
0.3	2164	0	Road crossing
0.4	9851	0	Horizontal bend
1.3	9849	0	Horizontal bend
1.3	9850	0	Horizontal bend
2.3	9847	0	Horizontal bend
2.3	9848	0	Horizontal bend
2.5	2180	0	Road crossing
2.5	2177	0	Road crossing
2.6	2179	0	Road crossing
2.6	2178	0	Road crossing
2.7	2183	0	Road crossing
2.7	2182	0	Road crossing
2.7	2181	0	Road crossing
3.2	3809	0	Waterbody crossing
3.2	3804	0	Waterbody crossing
3.3	3810	0	Waterbody crossing
3.3	9846	0	Horizontal bend
4.4	2184	0	Road crossing
4.4	2187	0	Road crossing
4.6	2186	0	Road crossing
4.6	2185	0	Road crossing
4.6	2188	0	Road crossing
4.6	2189	0	Road crossing
4.7	2153	0	Road crossing
4.8	2152	0	Road crossing
4.8	2151	0	Road crossing
4.8	2150	0	Road crossing
4.9	3748	0	Waterbody crossing
4.9	3746	0	Waterbody crossing
4.9	3749	0	Waterbody crossing
4.9	3747	0	Waterbody crossing
5.1	9845	0	Horizontal bend
5.1	9844	0	Horizontal bend
5.7	9843	0	Horizontal bend
5.7	9842	0	Horizontal bend
6.5	9840	0	Horizontal bend
6.5	9841	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
6.6	9838	0	Horizontal bend
6.6	9839	0	Horizontal bend
7.8	9836	0	Horizontal bend
7.8	9837	0	Horizontal bend
7.9	9834	0	Horizontal bend
7.9	9835	0	Horizontal bend
8.2	9832	0	Horizontal bend
8.2	9833	0	Horizontal bend
8.4	9831	0	Horizontal bend
8.4	9830	0	Horizontal bend
8.8	9828	0	Horizontal bend
8.8	9829	0	Horizontal bend
8.9	9827	0	Horizontal bend
9.0	9826	0	Horizontal bend
9.0	3806	0	Waterbody crossing
9.0	3805	0	Waterbody crossing
9.2	9824	0	Horizontal bend
9.2	9825	0	Horizontal bend
10.5	9822	0	Horizontal bend
10.5	9823	0	Horizontal bend
11.4	9821	0	Horizontal bend
11.4	9820	0	Horizontal bend
11.9	9819	0	Horizontal bend
11.9	9818	0	Horizontal bend
13.7	3803	0	Waterbody crossing
13.7	3802	0	Waterbody crossing
14.1	3801	0	Waterbody crossing
14.1	3800	0	Waterbody crossing
14.3	3799	0	Waterbody crossing
14.3	3798	0	Waterbody crossing
14.5	3797	0	Waterbody crossing
14.5	3796	0	Waterbody crossing
15.6	3794	0	Waterbody crossing
15.6	3795	0	Waterbody crossing
15.8	3793	0	Waterbody crossing
15.8	3792	0	Waterbody crossing
16.1	3790	0	Waterbody crossing
16.1	3791	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
16.4	3789	0	Waterbody crossing
16.4	3788	0	Waterbody crossing
16.7	3787	0	Waterbody crossing
16.7	3786	0	Waterbody crossing
17.7	3784	0	Waterbody crossing
17.7	3785	0	Waterbody crossing
18.6	3783	0	Waterbody crossing
18.6	3782	0	Waterbody crossing
21.4	3811	0	Waterbody crossing
27.4	3764	0	Waterbody crossing
27.4	3763	0	Waterbody crossing
30.9	9816	0	Horizontal bend
30.9	9817	0	Horizontal bend
30.9	9814	0	Horizontal bend
30.9	9815	0	Horizontal bend
34.3	9813	0	Horizontal bend
35.2	3781	0	Waterbody crossing
35.2	3780	0	Waterbody crossing
35.6	3779	0	Waterbody crossing
35.6	3778	0	Waterbody crossing
38.0	3777	0	Waterbody crossing
38.1	3776	0	Waterbody crossing
39.7	3766	0	Waterbody crossing
39.7	3765	0	Waterbody crossing
39.9	3768	0	Waterbody crossing
40.0	3767	0	Waterbody crossing
40.4	3807	0	Waterbody crossing
40.4	3808	0	Waterbody crossing
41.4	3770	0	Waterbody crossing
41.4	3769	0	Waterbody crossing
41.6	3775	0	Waterbody crossing
41.7	3773	0	Waterbody crossing
41.7	3774	0	Waterbody crossing
42.8	3771	0	Waterbody crossing
42.8	3772	0	Waterbody crossing
44.1	3745	0	Waterbody crossing
48.9	9811	0	Horizontal bend
48.9	9812	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
52.8	9809	0	Horizontal bend
52.8	9810	0	Horizontal bend
53.5	9807	0	Horizontal bend
53.5	9808	0	Horizontal bend
56.5	9806	0	Horizontal bend
56.5	9805	0	Horizontal bend
59.4	9804	0	Horizontal bend
59.4	9803	0	Horizontal bend
63.2	2149	0	Road crossing
63.2	2148	0	Road crossing
63.3	9802	0	Horizontal bend
63.3	1952	0	False right-of-way
63.3	2147	0	Road crossing
65.5	8309	0	Cut and fill
65.7	9800	0	Horizontal bend
65.7	9801	0	Horizontal bend
65.9	3897	0	Thrucut storage
66.8	9798	0	Horizontal bend
66.8	9799	0	Horizontal bend
67.3	4154	0	Thrucut storage
67.5	3898	0	Thrucut storage
67.5	9796	0	Horizontal bend
67.5	9797	0	Horizontal bend
68.0	2167	0	Road crossing
68.0	2168	0	Road crossing
68.1	2166	0	Road crossing
68.1	2165	0	Road crossing
68.3	9794	0	Horizontal bend
68.3	9795	0	Horizontal bend
69.1	3812	0	Waterbody crossing
69.9	3813	0	Waterbody crossing
71.2	9792	0	Horizontal bend
71.2	9793	0	Horizontal bend
72.1	3751	0	Waterbody crossing
72.1	3750	0	Waterbody crossing
72.3	9790	0	Horizontal bend
72.3	9791	0	Horizontal bend
72.6	9788	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
72.6	9789	0	Horizontal bend
74.0	9786	0	Horizontal bend
74.0	9787	0	Horizontal bend
74.6	3752	0	Waterbody crossing
74.6	3753	0	Waterbody crossing
74.7	3754	0	Waterbody crossing
74.8	3756	0	Waterbody crossing
74.9	3755	0	Waterbody crossing
76.8	3758	0	Waterbody crossing
76.8	3757	0	Waterbody crossing
77.0	9785	0	Horizontal bend
77.2	3759	0	Waterbody crossing
77.2	3760	0	Waterbody crossing
77.5	9783	13.9	Horizontal bend
78.4	9782	0	Horizontal bend
78.4	9781	22.8	Horizontal bend
80.3	3743	0	Waterbody crossing
80.3	3744	0	Waterbody crossing
80.7	9779	0	Horizontal bend
80.7	9780	0	Horizontal bend
81.4	9777	0	Horizontal bend
81.4	9778	0	Horizontal bend
82.4	9776	0	Horizontal bend
82.4	9775	0	Horizontal bend
82.9	4155	0	Thrucut storage
82.9	3762	0	Waterbody crossing
82.9	3761	0	Waterbody crossing
83.1	9774	0	Horizontal bend
83.1	9773	0	Horizontal bend
84.2	9772	0	Horizontal bend
84.2	9771	0	Horizontal bend
84.7	9770	0	Horizontal bend
84.7	9769	0	Horizontal bend
85.0	3814	0	Waterbody crossing
85.5	3815	0	Waterbody crossing
85.7	9767	0	Horizontal bend
85.7	9768	0	Horizontal bend
86.1	9765	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
86.2	9766	0	Horizontal bend
86.7	3816	0	Waterbody crossing
86.9	9763	0	Horizontal bend
87.0	9764	0	Horizontal bend
87.2	3817	0	Waterbody crossing
87.8	3818	0	Waterbody crossing
88.3	3819	0	Waterbody crossing
88.9	9762	0	Horizontal bend
88.9	9761	0	Horizontal bend
89.2	9759	0	Horizontal bend
89.2	9760	0	Horizontal bend
90.1	9758	0	Horizontal bend
90.1	9757	0	Horizontal bend
90.3	3708	0	Waterbody crossing
90.3	3707	0	Waterbody crossing
90.5	9755	0	Horizontal bend
90.5	9756	0	Horizontal bend
90.8	9753	0	Horizontal bend
90.8	9754	0	Horizontal bend
91.4	9752	0	Horizontal bend
91.4	9751	0	Horizontal bend
92.6	9749	0	Horizontal bend
92.6	9750	0	Horizontal bend
93.1	3709	0	Waterbody crossing
93.1	9747	0	Horizontal bend
93.1	9748	0	Horizontal bend
94.4	9746	0	Horizontal bend
94.4	9745	0	Horizontal bend
96.1	9743	0	Horizontal bend
96.1	9744	0	Horizontal bend
96.5	9742	0	Horizontal bend
96.5	9741	0	Horizontal bend
97.1	9739	0	Horizontal bend
97.1	9740	0	Horizontal bend
97.5	9737	0	Horizontal bend
97.5	9738	0	Horizontal bend
99.2	3727	0	Waterbody crossing
99.2	3710	0	Waterbody crossing



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
99.5	9735	0	Horizontal bend
99.5	9736	0	Horizontal bend
100.1	9734	0	Horizontal bend
100.1	9733	0	Horizontal bend
100.6	3820	0	Waterbody crossing
100.6	3730	0	Waterbody crossing
100.7	3821	0	Waterbody crossing
100.8	9731	0	Horizontal bend
100.8	9732	0	Horizontal bend
101.3	9729	0	Horizontal bend
101.3	9730	0	Horizontal bend
101.6	3731	0	Waterbody crossing
102.8	3711	0	Waterbody crossing
102.8	3728	0	Waterbody crossing
103.2	3732	0	Waterbody crossing
103.8	3712	0	Waterbody crossing
103.9	3722	0	Waterbody crossing
103.9	3899	0	Thrucut storage
104.7	3713	0	Waterbody crossing
104.7	3723	0	Waterbody crossing
105.1	3724	0	Waterbody crossing
105.1	3714	0	Waterbody crossing
105.7	3725	0	Waterbody crossing
105.7	3715	0	Waterbody crossing
106.1	3733	0	Waterbody crossing
106.8	3716	0	Waterbody crossing
106.8	3726	0	Waterbody crossing
107.3	3734	0	Waterbody crossing
108.2	9728	0	Horizontal bend
108.2	9727	0	Horizontal bend
108.4	3900	0	Thrucut storage
108.5	3645	0	Waterbody crossing
108.6	3644	0	Waterbody crossing
108.7	3643	0	Waterbody crossing
109.0	3901	0	Thrucut storage
109.6	9726	0	Horizontal bend
109.6	9725	0	Horizontal bend
110.5	9724	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
110.5	9723	0	Horizontal bend
110.7	3735	0	Waterbody crossing
111.1	9721	0	Horizontal bend
111.1	9722	0	Horizontal bend
112.9	9720	0	Horizontal bend
112.9	9719	0	Horizontal bend
113.3	9717	0	Horizontal bend
113.3	9718	0	Horizontal bend
115.2	9715	0	Horizontal bend
115.2	9716	0	Horizontal bend
115.3	3856	0	Foreign crossing
115.3	3853	0	Foreign crossing
115.3	3854	0	Foreign crossing
115.3	3855	0	Foreign crossing
115.5	5081	0	Waterbody crossing
115.5	5080	0	Waterbody crossing
115.5	9713	0	Horizontal bend
115.6	9714	0	Horizontal bend
116.2	4156	0	Thrucut storage
117.7	9711	0	Horizontal bend
117.7	9712	0	Horizontal bend
119.2	2160	0	Road crossing
119.3	2161	0	Road crossing
119.3	9709	0	Horizontal bend
119.3	9710	0	Horizontal bend
120.3	9708	0	Horizontal bend
120.3	9707	0	Horizontal bend
121.1	9705	0	Horizontal bend
121.1	9706	0	Horizontal bend
121.4	2000	0	Grading
121.5	3902	0	Thrucut storage
121.6	3705	0	Waterbody crossing
121.6	3703	0	Waterbody crossing
121.6	3721	0	Waterbody crossing
121.6	3704	0	Waterbody crossing
121.8	3702	0	Waterbody crossing
121.8	3701	0	Waterbody crossing
121.9	3700	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
121.9	3699	0	Waterbody crossing
122.8	2146	0	Road crossing
122.8	1951	0	False right-of-way
122.8	2162	0	Road crossing
122.9	2144	0	Road crossing
122.9	9704	0	Horizontal bend
123.0	2145	0	Road crossing
123.0	2158	0	Road crossing
123.0	2159	0	Road crossing
124.4	3698	0	Waterbody crossing
124.4	3697	0	Waterbody crossing
124.5	3696	0	Waterbody crossing
124.5	9703	0	Horizontal bend
125.0	9701	0	Horizontal bend
125.0	9702	0	Horizontal bend
126.1	3695	0	Waterbody crossing
126.1	3693	0	Waterbody crossing
126.2	3692	0	Waterbody crossing
126.2	3694	0	Waterbody crossing
128.1	3691	0	Waterbody crossing
128.2	3690	0	Waterbody crossing
128.2	3689	0	Waterbody crossing
128.2	3720	0	Waterbody crossing
128.5	3688	0	Waterbody crossing
128.6	3687	0	Waterbody crossing
128.6	3685	0	Waterbody crossing
128.6	3686	0	Waterbody crossing
129.2	3684	0	Waterbody crossing
129.3	3682	0	Waterbody crossing
129.3	3681	0	Waterbody crossing
129.3	3683	0	Waterbody crossing
129.5	2157	0	Road crossing
129.5	2156	0	Road crossing
129.7	9699	0	Horizontal bend
129.7	9700	0	Horizontal bend
130.8	9697	0	Horizontal bend
130.8	9698	0	Horizontal bend
130.8	3642	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
130.9	3641	0	Waterbody crossing
130.9	3640	0	Waterbody crossing
131.0	3729	0	Waterbody crossing
131.9	9696	0	Horizontal bend
131.9	9695	0	Horizontal bend
132.2	3680	0	Waterbody crossing
132.3	3679	0	Waterbody crossing
132.4	3719	0	Waterbody crossing
132.4	3678	0	Waterbody crossing
132.7	3677	0	Waterbody crossing
132.7	3676	0	Waterbody crossing
132.8	3674	0	Waterbody crossing
132.8	3675	0	Waterbody crossing
133.7	9694	0	Horizontal bend
133.7	9693	0	Horizontal bend
134.8	9692	0	Horizontal bend
134.8	9691	0	Horizontal bend
135.3	9689	0	Horizontal bend
135.4	9690	0	Horizontal bend
135.8	3903	0	Thrucut storage
136.3	3847	0	Foreign crossing
136.3	3846	0	Foreign crossing
136.4	3845	0	Foreign crossing
136.4	3848	0	Foreign crossing
136.4	3896	0	Foreign crossing
136.4	3673	0	Waterbody crossing
136.4	3706	0	Waterbody crossing
136.5	2136	0	Road crossing
136.5	2143	0	Road crossing
136.5	2141	0	Road crossing
136.6	2142	0	Road crossing
136.6	9687	0	Horizontal bend
136.6	9688	0	Horizontal bend
136.7	3672	0	Waterbody crossing
136.7	3671	0	Waterbody crossing
136.8	3669	0	Waterbody crossing
136.8	3670	0	Waterbody crossing
137.2	3668	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
137.2	3667	0	Waterbody crossing
137.3	3718	0	Waterbody crossing
137.3	3666	0	Waterbody crossing
137.7	3665	0	Waterbody crossing
137.7	3664	0	Waterbody crossing
137.7	3662	0	Waterbody crossing
137.8	3663	0	Waterbody crossing
138.4	9685	0	Horizontal bend
138.4	9686	0	Horizontal bend
138.8	9684	0	Horizontal bend
138.8	9683	0	Horizontal bend
139.2	9682	0	Horizontal bend
139.2	9681	0	Horizontal bend
141.2	2140	0	Road crossing
141.2	2139	0	Road crossing
141.3	2138	0	Road crossing
141.3	2137	0	Road crossing
141.5	9680	0	Horizontal bend
141.5	9679	0	Horizontal bend
141.8	3661	0	Waterbody crossing
141.8	3660	0	Waterbody crossing
141.9	3659	0	Waterbody crossing
141.9	3658	0	Waterbody crossing
142.5	3657	0	Waterbody crossing
142.5	3656	0	Waterbody crossing
142.6	3655	0	Waterbody crossing
142.6	3654	0	Waterbody crossing
143.1	3652	0	Waterbody crossing
143.2	3653	0	Waterbody crossing
143.2	3651	0	Waterbody crossing
143.2	3650	0	Waterbody crossing
143.8	2193	0	Road crossing
143.8	2192	0	Road crossing
143.8	9678	0	Horizontal bend
143.9	2190	0	Road crossing
143.9	9677	0	Horizontal bend
143.9	2191	0	Road crossing
144.4	9676	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
144.5	9675	0	Horizontal bend
145.0	2155	0	Road crossing
145.0	2154	0	Road crossing
145.1	3639	0	Waterbody crossing
145.1	3717	0	Waterbody crossing
145.1	3904	0	Thru-cut storage
145.3	3638	0	Waterbody crossing
145.3	3637	0	Waterbody crossing
145.4	9673	0	Horizontal bend
145.4	9674	0	Horizontal bend
145.4	3850	0	Foreign crossing
145.5	3849	0	Foreign crossing
145.5	3852	0	Foreign crossing
145.5	3851	0	Foreign crossing
145.5	9671	0	Horizontal bend
145.5	9672	0	Horizontal bend
145.9	9670	0	Horizontal bend
145.9	9669	0	Horizontal bend
146.0	9668	0	Horizontal bend
146.2	9667	0	Horizontal bend
146.2	9666	0	Horizontal bend
146.7	9665	0	Horizontal bend
146.7	9664	0	Horizontal bend
146.8	3741	0	Waterbody crossing
146.8	5083	0	Waterbody crossing
146.9	5082	0	Waterbody crossing
146.9	3736	0	Waterbody crossing
147.0	3742	0	Waterbody crossing
147.0	5579	0	Waterbody crossing
147.0	5578	0	Waterbody crossing
148.1	3649	0	Waterbody crossing
148.1	3648	0	Waterbody crossing
148.1	3647	0	Waterbody crossing
148.1	3646	0	Waterbody crossing
148.2	2171	0	Road crossing
148.2	9663	0	Horizontal bend
148.2	2172	0	Road crossing
148.3	2169	0	Road crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
148.3	2170	0	Road crossing
148.4	5084	0	Waterbody crossing
148.4	5085	0	Waterbody crossing
148.6	8308	0	Cut and fill
148.7	3739	0	Waterbody crossing
148.7	3740	0	Waterbody crossing
148.8	8307	24.2	Cut and fill
148.8	3738	17.2	Waterbody crossing
149.1	8302	0	Cut and fill
149.3	9662	0	Horizontal bend
149.3	9661	0	Horizontal bend
149.3	2176	0	Road crossing
149.3	8300	0	Cut and fill
149.3	2175	0	Road crossing
149.3	8299	0	Cut and fill
149.4	2173	0	Road crossing
149.4	8298	0	Cut and fill
149.4	9660	0	Horizontal bend
149.4	8297	0	Cut and fill
149.4	2174	0	Road crossing
150.0	3571	0	Waterbody crossing
150.1	3572	0	Waterbody crossing
150.1	3570	0	Waterbody crossing
150.1	3569	0	Waterbody crossing
150.6	8296	0	Cut and fill
150.7	8295	0	Cut and fill
151.0	8294	0	Cut and fill
151.1	3621	0	Waterbody crossing
151.2	3624	14.2	Waterbody crossing
151.2	9659	0	Horizontal bend
153.0	2098	22.9	Road crossing
153.0	2099	0	Road crossing
153.5	3548	0	Waterbody crossing
153.8	3547	0	Waterbody crossing
153.8	3546	0	Waterbody crossing
153.8	3544	0	Waterbody crossing
153.9	3545	0	Waterbody crossing
154.3	3543	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
154.3	3542	0	Waterbody crossing
154.4	3540	0	Waterbody crossing
154.4	3541	0	Waterbody crossing
154.9	9657	0	Horizontal bend
154.9	9658	0	Horizontal bend
155.3	3539	0	Waterbody crossing
155.3	3538	0	Waterbody crossing
155.5	8293	0	Cut and fill
155.6	3295	0	Waterbody crossing
155.6	3294	0	Waterbody crossing
155.7	3293	26.6	Waterbody crossing
155.7	3292	0	Waterbody crossing
155.8	8292	0	Cut and fill
156.2	2095	0	Road crossing
156.2	8291	0	Cut and fill
156.2	2096	0	Road crossing
156.5	3291	0	Waterbody crossing
156.5	3290	0	Waterbody crossing
156.5	3289	0	Waterbody crossing
156.6	3288	0	Waterbody crossing
156.6	8290	0	Cut and fill
156.9	8289	0	Cut and fill
157.4	9655	44.1	Horizontal bend
157.5	5072	0	Waterbody crossing
157.5	8286	43.1	Cut and fill
157.5	5071	0	Waterbody crossing
157.6	8284	28.9	Cut and fill
157.6	5070	0	Waterbody crossing
157.6	8285	0	Cut and fill
157.6	5069	0	Waterbody crossing
157.7	3350	0	Waterbody crossing
157.8	8283	0	Cut and fill
157.8	3351	0	Waterbody crossing
157.8	9652	0	Horizontal bend
157.8	9653	0	Horizontal bend
157.8	8282	0	Cut and fill
157.9	8281	0	Cut and fill
158.0	8280	0	Cut and fill



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
158.0	8279	0	Cut and fill
158.1	3537	0	Waterbody crossing
158.1	3536	0	Waterbody crossing
158.2	3534	0	Waterbody crossing
158.2	3535	0	Waterbody crossing
158.3	3532	0	Waterbody crossing
158.3	3533	0	Waterbody crossing
158.5	3531	0	Waterbody crossing
158.5	3529	0	Waterbody crossing
158.5	3573	0	Waterbody crossing
158.6	8278	0	Cut and fill
158.6	3528	0	Waterbody crossing
158.6	3527	0	Waterbody crossing
158.6	3526	0	Waterbody crossing
158.8	8277	0	Cut and fill
160.2	8276	0	Cut and fill
160.5	3524	0	Waterbody crossing
160.5	3525	0	Waterbody crossing
160.7	3523	0	Waterbody crossing
160.7	8275	0	Cut and fill
160.7	3574	0	Waterbody crossing
160.7	3349	0	Waterbody crossing
160.8	3522	0	Waterbody crossing
160.9	3296	0	Waterbody crossing
160.9	9651	0	Horizontal bend
160.9	9650	13.8	Horizontal bend
161.0	9649	0	Horizontal bend
161.1	9648	0	Horizontal bend
162.0	3521	0	Waterbody crossing
162.0	3520	0	Waterbody crossing
162.0	3518	0	Waterbody crossing
162.1	3519	0	Waterbody crossing
162.1	8274	0	Cut and fill
162.2	3348	0	Waterbody crossing
162.2	8273	0	Cut and fill
162.3	3347	0	Waterbody crossing
163.1	3343	0	Waterbody crossing
163.1	3556	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
163.2	9644	0	Horizontal bend
163.2	9645	0	Horizontal bend
163.3	3517	0	Waterbody crossing
163.4	3516	0	Waterbody crossing
163.4	3515	0	Waterbody crossing
163.4	3514	0	Waterbody crossing
163.8	3513	0	Waterbody crossing
163.8	3510	0	Waterbody crossing
163.8	3511	0	Waterbody crossing
164.3	3504	0	Waterbody crossing
164.7	8263	0	Cut and fill
164.8	8262	0	Cut and fill
164.8	8264	0	Cut and fill
164.9	8261	0	Cut and fill
164.9	3287	0	Waterbody crossing
164.9	8260	0	Cut and fill
164.9	3286	0	Waterbody crossing
165.0	8258	0	Cut and fill
165.0	3284	0	Waterbody crossing
165.0	3285	0	Waterbody crossing
165.1	8259	0	Cut and fill
165.2	8257	0	Cut and fill
165.2	3342	0	Waterbody crossing
165.2	3341	0	Waterbody crossing
165.3	3340	0	Waterbody crossing
165.3	8256	0	Cut and fill
165.3	3339	0	Waterbody crossing
165.3	3338	0	Waterbody crossing
165.4	3337	0	Waterbody crossing
165.4	8255	0	Cut and fill
165.5	3558	0	Waterbody crossing
165.5	5079	0	Waterbody crossing
165.6	3336	0	Waterbody crossing
165.6	5078	0	Waterbody crossing
165.6	8254	0	Cut and fill
165.7	5077	0	Waterbody crossing
165.7	8253	0	Cut and fill
165.7	3575	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
165.7	9642	0	Horizontal bend
165.7	9643	0	Horizontal bend
165.9	3619	0	Waterbody crossing
166.0	8252	7.2	Cut and fill
166.1	8251	0	Cut and fill
166.3	9641	0	Horizontal bend
167.4	8250	0	Cut and fill
167.9	1938	0	Atigun Special Design Area
168.0	1939	24.9	Atigun Special Design Area
168.0	1940	7.1	Atigun Special Design Area
168.1	1941	0	Atigun Special Design Area
168.3	1942	0	Atigun Special Design Area
168.4	1944	0	Atigun Special Design Area
168.5	1943	0	Atigun Special Design Area
168.5	1945	0	Atigun Special Design Area
168.5	1925	0	Atigun Special Design Area
168.6	9640	0	Horizontal bend
168.6	3841	0	Waterbody crossing
168.6	2102	0	Road crossing
168.6	2370	0	Road crossing
168.7	8248	0	Cut and fill
168.7	8246	0	Cut and fill
168.7	5030	0	Road crossing
169.3	3501	23.9	Waterbody crossing
169.3	3502	0	Waterbody crossing
169.6	9632	0	Horizontal bend
170.0	9624	2.8	Horizontal bend
171.3	1923	0	Atigun Special Design Area
171.4	1926	42.2	Atigun Special Design Area
171.6	1921	0	Atigun Special Design Area
171.6	1927	0	Atigun Special Design Area
171.8	2101	0	Road crossing
171.8	2100	0	Road crossing
171.8	1991	0	Grading
172.2	1928	0	Atigun Special Design Area
172.5	9623	0	Horizontal bend
172.6	9622	0	Horizontal bend
172.6	9621	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
173.1	1920	0	Atigun Special Design Area
173.1	9619	0	Horizontal bend
173.3	1930	49.3	Atigun Special Design Area
173.4	1931	0	Atigun Special Design Area
173.4	3268	0	Waterbody crossing
173.4	9618	0	Horizontal bend
173.4	3500	0	Waterbody crossing
173.5	9617	2.8	Horizontal bend
173.5	3576	10.3	Waterbody crossing
173.9	3553	0	Waterbody crossing
173.9	9615	0	Horizontal bend
173.9	9616	0	Horizontal bend
174.2	3557	0	Waterbody crossing
174.2	3496	0	Waterbody crossing
174.3	3495	0	Waterbody crossing
174.3	3577	0	Waterbody crossing
174.3	3494	0	Waterbody crossing
174.4	3493	0	Waterbody crossing
174.5	3578	0	Waterbody crossing
174.6	9613	0	Horizontal bend
174.6	9614	0	Horizontal bend
175.0	9612	0	Horizontal bend
175.0	9611	45.5	Horizontal bend
175.3	3491	0	Waterbody crossing
175.3	3579	0	Waterbody crossing
175.5	9607	0	Horizontal bend
175.5	1933	0	Atigun Special Design Area
175.7	4161	0	Thrucut storage
175.7	5068	0	Waterbody crossing
175.8	5067	0	Waterbody crossing
175.8	5066	0	Waterbody crossing
175.9	5065	0	Waterbody crossing
176.0	5064	0	Waterbody crossing
176.3	1934	0	Atigun Special Design Area
176.5	1919	0	Atigun Special Design Area
176.5	5014	0	Atigun Special Design Area
176.5	4162	0	Thrucut storage
176.6	5013	0	Atigun Special Design Area

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
176.7	1935	0	Atigun Special Design Area
176.8	9605	0	Horizontal bend
176.8	1918	0	Atigun Special Design Area
176.8	9606	0	Horizontal bend
177.0	5016	0	Atigun Special Design Area
177.0	5015	0	Atigun Special Design Area
177.1	1936	0	Atigun Special Design Area
177.2	1937	0	Atigun Special Design Area
177.3	9604	0	Horizontal bend
177.3	9603	0	Horizontal bend
177.8	9601	0	Horizontal bend
177.8	9602	0	Horizontal bend
177.9	9599	0	Horizontal bend
177.9	9600	0	Horizontal bend
177.9	8243	0	Cut and fill
178.0	9598	0	Horizontal bend
178.8	5028	0	Grading
179.5	4164	0	Thrucut storage
180.4	5027	0	Grading
181.8	3588	0	Waterbody crossing
181.8	3581	2.9	Waterbody crossing
181.8	8242	0	Cut and fill
181.9	3859	0	Foreign crossing
182.0	3861	41.0	Foreign crossing
182.1	2110	11.1	Road crossing
182.1	8241	0	Cut and fill
182.3	8240	0	Cut and fill
182.6	8239	0	Cut and fill
182.7	4165	0	Thrucut storage
183.0	3604	0	Waterbody crossing
183.0	3610	0	Waterbody crossing
183.2	9596	0	Horizontal bend
183.2	9595	0	Horizontal bend
183.6	3283	0	Waterbody crossing
183.7	3282	0	Waterbody crossing
183.7	3281	0	Waterbody crossing
183.8	9593	0	Horizontal bend
183.8	9594	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
183.8	3490	0	Waterbody crossing
183.8	3489	0	Waterbody crossing
183.8	4286	0	Thrucut storage
183.9	4287	0	Thrucut storage
183.9	3487	0	Waterbody crossing
183.9	3488	0	Waterbody crossing
184.1	9592	0	Horizontal bend
184.1	9591	0	Horizontal bend
184.5	3335	0	Waterbody crossing
184.5	3334	0	Waterbody crossing
184.6	3332	47.5	Waterbody crossing
184.7	8238	0	Cut and fill
185.0	3280	0	Waterbody crossing
185.0	3279	0	Waterbody crossing
185.1	3278	0	Waterbody crossing
185.1	3277	11.8	Waterbody crossing
185.4	9590	0	Horizontal bend
185.4	3486	0	Waterbody crossing
185.4	3485	0	Waterbody crossing
185.4	4166	0	Thrucut storage
185.5	4288	0	Thrucut storage
185.5	3483	0	Waterbody crossing
185.5	3484	0	Waterbody crossing
186.1	9588	0	Horizontal bend
186.1	9589	0	Horizontal bend
187.0	9586	0	Horizontal bend
187.0	9587	0	Horizontal bend
187.5	3331	0	Waterbody crossing
188.0	9585	0	Horizontal bend
188.0	9584	0	Horizontal bend
188.7	1983	0	Fiber optic crossing
188.7	3566	0	Waterbody crossing
188.7	3482	0	Waterbody crossing
188.8	3565	40.0	Waterbody crossing
188.8	3564	<1	Waterbody crossing
188.8	3580	0	Waterbody crossing
188.9	1984	0	Fiber optic crossing
188.9	3481	28.8	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
188.9	3563	0	Waterbody crossing
189.2	4289	0	Thru-cut storage
189.6	3479	0	Waterbody crossing
189.7	3476	1.5	Waterbody crossing
189.9	3475	0	Waterbody crossing
189.9	3474	0	Waterbody crossing
190.0	3473	0	Waterbody crossing
190.6	3328	0	Waterbody crossing
190.6	3327	0	Waterbody crossing
191.6	8231	0	Cut and fill
192.0	8230	5.6	Cut and fill
192.5	8228	0	Cut and fill
192.7	8229	0	Cut and fill
192.7	8227	0	Cut and fill
192.9	8226	0	Cut and fill
193.2	8225	0	Cut and fill
193.3	2115	13.6	Road crossing
193.3	2113	48.7	Road crossing
193.5	8223	0	Cut and fill
193.5	3560	0	Waterbody crossing
193.6	3559	0	Waterbody crossing
193.6	8220	0	Cut and fill
194.1	8216	42.7	Cut and fill
194.3	8215	0	Cut and fill
194.3	8214	27.7	Cut and fill
194.3	8219	0	Cut and fill
194.4	8213	0	Cut and fill
194.7	8209	0	Cut and fill
195.0	8208	0	Cut and fill
195.0	3323	0	Waterbody crossing
195.0	3322	0	Waterbody crossing
195.1	8207	0	Cut and fill
195.2	8206	0	Cut and fill
196.2	3472	0	Waterbody crossing
196.3	3471	0	Waterbody crossing
196.3	3470	0	Waterbody crossing
196.3	3469	0	Waterbody crossing
196.4	9582	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
196.5	2082	0	Road crossing
196.5	2084	0	Road crossing
196.5	2083	0	Road crossing
196.6	9581	0	Horizontal bend
196.6	2126	0	Road crossing
197.1	9580	0	Horizontal bend
197.1	9579	0	Horizontal bend
197.6	3468	0	Waterbody crossing
197.6	3618	0	Waterbody crossing
197.7	3467	30.4	Waterbody crossing
197.8	3465	0	Waterbody crossing
197.8	3464	0	Waterbody crossing
199.0	3463	0	Waterbody crossing
199.1	3461	0	Waterbody crossing
199.1	3909	0	Thrucut storage
199.1	3460	0	Waterbody crossing
199.3	9578	0	Horizontal bend
199.4	9577	0	Horizontal bend
199.9	3459	0	Waterbody crossing
199.9	3458	0	Waterbody crossing
199.9	3457	0	Waterbody crossing
200.0	3456	0	Waterbody crossing
200.3	9576	0	Horizontal bend
200.3	9575	0	Horizontal bend
200.5	3319	0	Waterbody crossing
200.6	3318	0	Waterbody crossing
200.6	3317	20.5	Waterbody crossing
201.4	8202	0	Cut and fill
201.5	8203	0	Cut and fill
201.6	8200	0	Cut and fill
201.7	8199	25.2	Cut and fill
201.9	3313	0	Waterbody crossing
201.9	3312	0	Waterbody crossing
202.0	8197	10.5	Cut and fill
202.0	8198	0	Cut and fill
202.0	8194	41.8	Cut and fill
202.2	3454	0	Waterbody crossing
202.2	3455	23.5	Waterbody crossing



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
202.3	3453	0	Waterbody crossing
202.3	3452	0	Waterbody crossing
202.5	9574	0	Horizontal bend
202.6	9573	0	Horizontal bend
202.6	3451	0	Waterbody crossing
202.6	3450	0	Waterbody crossing
202.6	4167	0	Thrucut storage
202.7	3449	0	Waterbody crossing
202.7	9571	0	Horizontal bend
202.7	9572	0	Horizontal bend
202.8	3448	0	Waterbody crossing
202.8	3447	0	Waterbody crossing
202.9	3446	0	Waterbody crossing
202.9	3445	0	Waterbody crossing
203.5	3444	0	Waterbody crossing
203.5	3443	0	Waterbody crossing
203.5	3442	0	Waterbody crossing
203.5	3441	0	Waterbody crossing
203.8	3440	0	Waterbody crossing
203.8	3439	0	Waterbody crossing
203.9	3438	0	Waterbody crossing
203.9	3437	0	Waterbody crossing
204.6	3910	20.2	Thrucut storage
204.7	3310	0	Waterbody crossing
204.7	3311	0	Waterbody crossing
204.7	4168	0	Thrucut storage
204.8	5074	0	Waterbody crossing
204.8	4169	0	Thrucut storage
204.8	5073	0	Waterbody crossing
204.8	3309	0	Waterbody crossing
206.5	9570	0	Horizontal bend
206.5	2081	0	Road crossing
206.5	1960	0	False right-of-way
206.5	2080	0	Road crossing
206.6	2078	0	Road crossing
206.6	2079	0	Road crossing
206.6	9569	0	Horizontal bend
207.4	3308	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
207.4	3307	0	Waterbody crossing
207.5	3306	0	Waterbody crossing
207.6	3305	0	Waterbody crossing
208.0	9568	0	Horizontal bend
208.0	9567	0	Horizontal bend
208.1	8193	0	Cut and fill
208.2	3567	14.6	Waterbody crossing
208.2	8191	0	Cut and fill
208.2	3436	48.4	Waterbody crossing
208.3	3434	<1	Waterbody crossing
208.3	3435	0	Waterbody crossing
208.4	8190	0	Cut and fill
208.4	8189	0	Cut and fill
208.5	8187	0	Cut and fill
208.5	8188	0	Cut and fill
208.6	2091	0	Road crossing
208.6	2376	0	Construction spread breaks
208.6	8186	0	Cut and fill
208.7	8184	0	Cut and fill
208.7	8185	0	Cut and fill
208.7	3304	0	Waterbody crossing
208.7	3303	0	Waterbody crossing
208.7	8183	0	Cut and fill
208.8	3301	0	Waterbody crossing
208.8	8180	0	Cut and fill
208.8	8182	0	Cut and fill
208.9	3302	0	Waterbody crossing
208.9	8181	26.3	Cut and fill
209.2	8179	0	Cut and fill
209.3	8178	0	Cut and fill
209.4	8177	0	Cut and fill
209.5	8176	0	Cut and fill
209.5	9565	0	Horizontal bend
209.5	9566	0	Horizontal bend
209.6	8175	0	Cut and fill
209.7	8174	0	Cut and fill
209.8	8173	0	Cut and fill
209.8	8172	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
210.2	2076	0	Road crossing
210.2	2077	0	Road crossing
210.2	8171	0	Cut and fill
210.2	2106	0	Road crossing
210.2	1959	0	False right-of-way
210.3	9564	0	Horizontal bend
210.3	2109	0	Road crossing
210.6	8170	0	Cut and fill
210.7	3433	0	Waterbody crossing
210.7	3432	0	Waterbody crossing
210.8	8169	0	Cut and fill
210.8	8168	0	Cut and fill
210.9	2003	0	Trenchless crossing
211.0	3552	0	Waterbody crossing
211.0	2005	0	Trenchless crossing
211.5	2006	0	Trenchless crossing
211.5	2004	0	Trenchless crossing
211.7	9563	0	Horizontal bend
211.7	9562	0	Horizontal bend
211.9	2007	0	Trenchless crossing
213.3	3599	0	Waterbody crossing
213.3	3592	21.5	Waterbody crossing
213.4	4170	0	Thrucut storage
213.4	3611	0	Waterbody crossing
213.4	3605	0	Waterbody crossing
214.6	3429	0	Waterbody crossing
214.6	3428	0	Waterbody crossing
214.6	4171	0	Thrucut storage
214.6	3426	0	Waterbody crossing
214.6	3427	0	Waterbody crossing
216.9	9559	0	Horizontal bend
216.9	9560	0	Horizontal bend
217.9	4292	0	Timber decks
218.4	3834	0	Waterbody crossing
218.4	4172	0	Thrucut storage
218.6	3625	0	Waterbody crossing
218.6	4173	0	Thrucut storage
218.8	8167	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
219.0	3629	3.9	Waterbody crossing
219.0	8163	11.9	Cut and fill
219.2	8162	0	Cut and fill
219.5	3600	0	Waterbody crossing
219.5	3593	0	Waterbody crossing
219.6	3606	0	Waterbody crossing
219.6	3612	0	Waterbody crossing
219.8	3587	0	Waterbody crossing
219.8	3590	0	Waterbody crossing
220.0	3584	0	Waterbody crossing
220.0	3582	0	Waterbody crossing
220.1	3601	0	Waterbody crossing
220.1	3594	0	Waterbody crossing
220.2	3607	0	Waterbody crossing
220.2	3613	0	Waterbody crossing
221.0	9555	34.2	Horizontal bend
221.1	9556	0	Horizontal bend
221.1	9554	0	Horizontal bend
221.1	3425	0	Waterbody crossing
221.2	3423	0	Waterbody crossing
221.2	3424	0	Waterbody crossing
223.2	3422	0	Waterbody crossing
223.2	3421	0	Waterbody crossing
223.3	3419	0	Waterbody crossing
223.3	3420	0	Waterbody crossing
223.5	3418	0	Waterbody crossing
223.5	3416	0	Waterbody crossing
223.6	3415	0	Waterbody crossing
223.6	3417	0	Waterbody crossing
224.0	9552	0	Horizontal bend
224.0	9553	0	Horizontal bend
224.2	9550	0	Horizontal bend
224.2	9551	0	Horizontal bend
224.8	3414	0	Waterbody crossing
224.8	3412	0	Waterbody crossing
224.9	3413	0	Waterbody crossing
225.0	3408	0	Waterbody crossing
225.0	3410	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
225.7	9548	0	Horizontal bend
225.8	9549	0	Horizontal bend
225.8	3407	0	Waterbody crossing
225.8	3406	0	Waterbody crossing
225.9	3405	0	Waterbody crossing
226.1	9546	0	Horizontal bend
226.1	9547	0	Horizontal bend
226.2	3404	0	Waterbody crossing
226.2	3403	0	Waterbody crossing
226.4	9544	19.7	Horizontal bend
226.5	9545	0	Horizontal bend
226.5	9542	0	Horizontal bend
226.6	4176	0	Thrucut storage
227.7	9536	0	Horizontal bend
227.8	9534	0	Horizontal bend
227.8	9533	0	Horizontal bend
228.0	9531	0	Horizontal bend
228.0	9532	0	Horizontal bend
228.1	2075	0	Road crossing
228.1	2073	0	Road crossing
228.1	2074	0	Road crossing
228.2	2072	0	Road crossing
228.5	8152	18.7	Cut and fill
228.6	8151	0	Cut and fill
228.7	8150	0	Cut and fill
228.7	8153	0	Cut and fill
228.9	2107	43.0	Road crossing
228.9	2108	0	Road crossing
228.9	8149	14.5	Cut and fill
228.9	8147	35.0	Cut and fill
228.9	9529	19.7	Horizontal bend
229.0	8143	0	Cut and fill
229.1	3299	25.8	Waterbody crossing
229.1	3298	33.7	Waterbody crossing
229.3	3297	15.3	Waterbody crossing
229.5	2089	0	Road crossing
230.1	3912	0	Thrucut storage
230.3	4180	0	Thrucut storage

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
230.4	3401	0	Waterbody crossing
230.4	3400	0	Waterbody crossing
230.5	3399	0	Waterbody crossing
230.5	3913	<1	Thrucut storage
230.5	3398	0	Waterbody crossing
230.6	3397	0	Waterbody crossing
231.0	3916	15.0	Thrucut storage
231.0	2071	0	Road crossing
231.0	5029	8.3	Road crossing
231.0	2070	0	Road crossing
231.0	4181	0	Thrucut storage
231.0	1957	0	False right-of-way
231.1	2069	0	Road crossing
231.1	9528	0	Horizontal bend
232.7	9527	0	Horizontal bend
232.7	9526	0	Horizontal bend
233.0	3396	0	Waterbody crossing
233.1	3395	0	Waterbody crossing
233.2	3394	0	Waterbody crossing
233.5	9524	0	Horizontal bend
233.5	9525	0	Horizontal bend
234.2	3393	0	Waterbody crossing
234.2	3392	0	Waterbody crossing
234.3	3391	0	Waterbody crossing
234.3	3390	0	Waterbody crossing
234.4	9523	0	Horizontal bend
234.4	9522	0	Horizontal bend
234.5	3917	0	Thrucut storage
235.4	8141	0	Cut and fill
235.5	3389	0	Waterbody crossing
235.5	3388	0	Waterbody crossing
235.6	3387	13.4	Waterbody crossing
235.9	3386	0	Waterbody crossing
236.0	3385	0	Waterbody crossing
236.0	8140	13.7	Cut and fill
236.0	3549	7.2	Waterbody crossing
236.2	4182	0	Thrucut storage
236.2	8138	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
236.2	9519	0	Horizontal bend
236.3	9520	0	Horizontal bend
236.3	8137	0	Cut and fill
236.5	8134	0	Cut and fill
236.5	3274	0	Waterbody crossing
236.7	8132	0	Cut and fill
236.8	9518	0	Horizontal bend
236.8	9517	0	Horizontal bend
236.9	4293	0	Timber decks
237.5	3633	0	Waterbody crossing
237.5	3384	0	Waterbody crossing
237.6	3634	3.4	Waterbody crossing
237.6	3632	0	Waterbody crossing
239.7	3383	0	Waterbody crossing
239.8	3382	0	Waterbody crossing
240.4	3380	0	Waterbody crossing
240.4	3379	0	Waterbody crossing
240.5	3378	0	Waterbody crossing
241.1	3271	0	Waterbody crossing
241.1	3270	0	Waterbody crossing
241.2	8126	0	Cut and fill
241.5	9512	0	Horizontal bend
241.5	9513	0	Horizontal bend
241.8	2002	0	Grading
242.1	9511	0	Horizontal bend
242.1	9510	20.7	Horizontal bend
243.9	9508	0	Horizontal bend
243.9	9509	0	Horizontal bend
243.9	2118	0	Road crossing
243.9	2123	0	Road crossing
244.6	9507	0	Horizontal bend
244.6	9506	0	Horizontal bend
245.4	9505	0	Horizontal bend
245.4	9504	0	Horizontal bend
246.1	3589	0	Waterbody crossing
246.2	3586	0	Waterbody crossing
246.3	4183	0	Thrucut storage
246.3	3583	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
246.3	3636	0	Waterbody crossing
246.4	9502	0	Horizontal bend
246.4	9503	0	Horizontal bend
246.6	3374	0	Waterbody crossing
246.6	3373	0	Waterbody crossing
246.7	3372	0	Waterbody crossing
246.7	3635	0	Waterbody crossing
246.8	3370	0	Waterbody crossing
246.8	3369	0	Waterbody crossing
246.8	3371	0	Waterbody crossing
247.8	3368	0	Waterbody crossing
247.8	3367	0	Waterbody crossing
247.9	3365	0	Waterbody crossing
247.9	3366	0	Waterbody crossing
247.9	9500	0	Horizontal bend
247.9	9501	1.8	Horizontal bend
248.0	3364	0	Waterbody crossing
248.0	3920	0	Thrucut storage
248.1	4184	0	Thrucut storage
248.1	9498	0	Horizontal bend
248.1	3835	49.5	Waterbody crossing
248.2	3363	12.8	Waterbody crossing
248.2	9499	0	Horizontal bend
248.2	3362	0	Waterbody crossing
248.4	3361	0	Waterbody crossing
248.6	3921	36.9	Thrucut storage
248.6	9496	0	Horizontal bend
248.6	9497	0	Horizontal bend
248.7	3922	0	Thrucut storage
248.7	9494	0	Horizontal bend
248.7	9495	0	Horizontal bend
249.2	3630	0	Waterbody crossing
249.2	8124	0	Cut and fill
249.3	3631	0	Waterbody crossing
249.3	3615	0	Waterbody crossing
249.4	3609	0	Waterbody crossing
249.5	3616	0	Waterbody crossing
249.5	9493	0	Horizontal bend



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
249.6	4185	0	Thrucut storage
249.7	9491	17.8	Horizontal bend
249.7	9492	0	Horizontal bend
249.7	4186	0	Thrucut storage
249.9	9490	0	Horizontal bend
249.9	9489	0	Horizontal bend
250.5	9488	0	Horizontal bend
250.5	9487	0	Horizontal bend
250.6	3603	0	Waterbody crossing
250.6	3597	0	Waterbody crossing
250.7	4187	0	Thrucut storage
250.7	3617	0	Waterbody crossing
250.7	9486	0	Horizontal bend
250.7	9485	0	Horizontal bend
251.2	2119	0	Road crossing
251.2	2124	0	Road crossing
252.0	3360	0	Waterbody crossing
252.0	3359	0	Waterbody crossing
252.1	3358	0	Waterbody crossing
252.1	9483	0	Horizontal bend
252.1	9484	0	Horizontal bend
252.1	9481	0	Horizontal bend
252.1	1956	0	False right-of-way
252.2	9482	0	Horizontal bend
252.2	3862	0	Foreign crossing
252.2	3864	0	Foreign crossing
252.2	3863	0	Foreign crossing
252.2	2068	0	Road crossing
252.2	2066	0	Road crossing
252.3	1955	4.7	False right-of-way
252.3	2067	0	Road crossing
252.3	2065	0	Road crossing
253.4	9480	0	Horizontal bend
253.4	3357	0	Waterbody crossing
253.5	3836	0	Waterbody crossing
253.5	3356	0	Waterbody crossing
253.5	3355	0	Waterbody crossing
254.3	3837	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
254.4	9479	0	Horizontal bend
254.4	2878	0	Waterbody crossing
254.5	2877	0	Waterbody crossing
255.0	2876	0	Waterbody crossing
255.0	2875	0	Waterbody crossing
255.1	2874	0	Waterbody crossing
255.4	2132	0	Road crossing
255.4	2133	0	Road crossing
255.6	2873	0	Waterbody crossing
255.7	2872	0	Waterbody crossing
255.7	2871	0	Waterbody crossing
255.9	9477	0	Horizontal bend
255.9	9478	0	Horizontal bend
256.5	9475	0	Horizontal bend
256.5	9476	0	Horizontal bend
256.8	9473	0	Horizontal bend
256.8	9474	0	Horizontal bend
257.4	4188	0	Thrucut storage
257.7	1954	0	False right-of-way
257.7	9471	0	Horizontal bend
257.7	3865	0	Foreign crossing
257.8	3857	0	Foreign crossing
257.8	3867	0	Foreign crossing
257.8	3866	0	Foreign crossing
257.8	9472	0	Horizontal bend
258.6	2870	0	Waterbody crossing
258.7	2869	0	Waterbody crossing
258.7	2868	0	Waterbody crossing
259.2	2867	0	Waterbody crossing
259.2	2866	0	Waterbody crossing
259.3	2865	0	Waterbody crossing
259.8	1961	0	False right-of-way
259.8	2104	0	Road crossing
259.8	2105	0	Road crossing
259.9	9470	0	Horizontal bend
259.9	1953	0	False right-of-way
259.9	2064	0	Road crossing
260.2	9469	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
260.2	9468	0	Horizontal bend
260.6	2814	0	Waterbody crossing
260.6	2813	0	Waterbody crossing
260.7	2811	0	Waterbody crossing
260.7	2812	0	Waterbody crossing
260.8	2810	0	Waterbody crossing
260.9	2803	0	Waterbody crossing
261.0	2864	0	Waterbody crossing
261.0	2863	0	Waterbody crossing
261.4	9466	0	Horizontal bend
261.4	9467	0	Horizontal bend
262.7	2128	0	Road crossing
262.7	2127	0	Road crossing
262.8	2862	0	Waterbody crossing
262.9	2861	0	Waterbody crossing
263.1	2860	0	Waterbody crossing
263.2	2859	0	Waterbody crossing
263.2	2858	0	Waterbody crossing
263.5	2857	0	Waterbody crossing
263.6	2855	0	Waterbody crossing
263.6	2856	0	Waterbody crossing
263.7	2854	0	Waterbody crossing
263.7	2853	0	Waterbody crossing
264.3	2131	0	Road crossing
264.3	2130	0	Road crossing
264.4	2852	0	Waterbody crossing
264.5	2850	0	Waterbody crossing
264.5	2851	0	Waterbody crossing
265.2	2849	0	Waterbody crossing
265.3	2848	0	Waterbody crossing
265.3	2847	0	Waterbody crossing
265.5	2846	0	Waterbody crossing
265.5	2845	0	Waterbody crossing
265.6	2844	0	Waterbody crossing
265.9	2843	0	Waterbody crossing
265.9	3923	0	Thrucut storage
265.9	2842	0	Waterbody crossing
266.0	3924	0	Thrucut storage

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
266.0	2841	0	Waterbody crossing
266.2	2840	0	Waterbody crossing
266.3	2839	0	Waterbody crossing
266.3	2838	0	Waterbody crossing
266.4	9464	0	Horizontal bend
266.4	9465	0	Horizontal bend
266.9	9463	0	Horizontal bend
266.9	2913	0	Waterbody crossing
266.9	2911	0	Waterbody crossing
267.0	2910	0	Waterbody crossing
267.0	2912	0	Waterbody crossing
267.1	9461	0	Horizontal bend
267.1	9462	0	Horizontal bend
267.5	2125	0	Road crossing
267.6	2120	0	Road crossing
268.1	2837	0	Waterbody crossing
268.2	2836	0	Waterbody crossing
268.2	2835	0	Waterbody crossing
269.1	3925	1.3	Thrucut storage
269.3	9459	0	Horizontal bend
269.3	9460	0	Horizontal bend
269.5	9457	0	Horizontal bend
269.5	9458	0	Horizontal bend
269.8	9456	40.9	Horizontal bend
269.9	9455	15.0	Horizontal bend
270.9	9453	0	Horizontal bend
270.9	9454	0	Horizontal bend
271.0	2834	0	Waterbody crossing
271.0	2832	0	Waterbody crossing
271.1	2833	0	Waterbody crossing
271.1	8123	0	Cut and fill
271.3	8122	0	Cut and fill
271.7	3926	0	Thrucut storage
272.0	2800	0	Waterbody crossing
272.0	2799	0	Waterbody crossing
272.1	2797	0	Waterbody crossing
272.1	2798	0	Waterbody crossing
272.2	8121	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
272.3	9451	0	Horizontal bend
272.3	9452	0	Horizontal bend
272.4	2809	0	Waterbody crossing
272.5	2802	0	Waterbody crossing
272.5	2807	0	Waterbody crossing
272.6	9450	0	Horizontal bend
272.6	2801	0	Waterbody crossing
273.4	2914	0	Waterbody crossing
273.4	2831	0	Waterbody crossing
273.5	2830	0	Waterbody crossing
274.0	2829	0	Waterbody crossing
274.0	2828	0	Waterbody crossing
274.0	2827	0	Waterbody crossing
274.4	9448	0	Horizontal bend
274.4	9449	0	Horizontal bend
274.4	8120	0	Cut and fill
274.6	8119	0	Cut and fill
274.6	2806	0	Waterbody crossing
274.7	3927	0	Thrucut storage
274.8	2805	0	Waterbody crossing
274.9	2804	0	Waterbody crossing
275.5	9447	0	Horizontal bend
275.5	9446	0	Horizontal bend
275.8	2826	0	Waterbody crossing
275.8	2825	0	Waterbody crossing
275.8	2824	0	Waterbody crossing
276.1	9444	0	Horizontal bend
276.1	9445	0	Horizontal bend
276.9	9442	0	Horizontal bend
276.9	9443	0	Horizontal bend
277.4	9440	0	Horizontal bend
277.4	9441	0	Horizontal bend
278.7	2823	0	Waterbody crossing
278.7	2822	0	Waterbody crossing
278.8	2821	0	Waterbody crossing
280.1	9438	0	Horizontal bend
280.1	9439	0	Horizontal bend
280.6	2891	43.1	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
280.7	2901	0	Waterbody crossing
280.7	2917	0	Waterbody crossing
281.1	3928	0	Thrucut storage
281.3	2889	0	Waterbody crossing
281.3	2890	0	Waterbody crossing
281.4	8118	0	Cut and fill
281.5	2887	0	Waterbody crossing
281.5	2884	0	Waterbody crossing
281.6	9434	0	Horizontal bend
281.6	9435	0	Horizontal bend
281.6	2915	0	Waterbody crossing
281.6	2820	0	Waterbody crossing
281.7	2819	0	Waterbody crossing
281.7	2916	0	Waterbody crossing
282.5	8117	0	Cut and fill
282.8	8116	0	Cut and fill
283.0	8113	0	Cut and fill
283.0	9433	0	Horizontal bend
283.0	9432	0	Horizontal bend
283.0	3929	0	Thrucut storage
283.2	8112	0	Cut and fill
283.2	8114	0	Cut and fill
283.2	8111	0	Cut and fill
283.2	9430	0	Horizontal bend
285.4	9427	0	Horizontal bend
285.4	9426	0	Horizontal bend
285.8	2897	0	Waterbody crossing
285.8	2892	0	Waterbody crossing
285.9	2906	0	Waterbody crossing
285.9	2902	0	Waterbody crossing
285.9	9425	0	Horizontal bend
286.2	2898	0	Waterbody crossing
286.2	2893	0	Waterbody crossing
286.3	2903	0	Waterbody crossing
286.3	2907	0	Waterbody crossing
287.1	9424	9.6	Horizontal bend
287.5	9422	0	Horizontal bend
287.5	8105	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
287.5	9421	0	Horizontal bend
287.7	8104	0	Cut and fill
288.0	9419	21.3	Horizontal bend
288.3	9417	0	Horizontal bend
288.3	9418	0	Horizontal bend
288.4	8102	30.0	Cut and fill
288.4	2795	10.4	Waterbody crossing
288.4	8103	29.9	Cut and fill
288.4	2796	32.9	Waterbody crossing
288.5	2794	0	Waterbody crossing
288.6	2793	0	Waterbody crossing
288.7	8101	0	Cut and fill
289.0	9416	0	Horizontal bend
289.0	9415	0	Horizontal bend
289.4	9413	0	Horizontal bend
289.4	9414	0	Horizontal bend
289.7	9411	0	Horizontal bend
289.7	9412	0	Horizontal bend
289.7	9410	0	Horizontal bend
289.7	9409	0	Horizontal bend
289.7	2103	0	Road crossing
289.8	2088	0	Road crossing
290.0	8099	0	Cut and fill
290.0	8100	0	Cut and fill
290.1	9407	0	Horizontal bend
290.1	9408	0	Horizontal bend
290.1	2881	6.8	Waterbody crossing
290.1	8098	44.7	Cut and fill
290.1	2880	0	Waterbody crossing
290.1	8097	0	Cut and fill
290.2	2792	0	Waterbody crossing
290.2	8095	40.8	Cut and fill
290.2	8096	0	Cut and fill
290.4	8094	0	Cut and fill
290.4	8093	0	Cut and fill
290.7	8092	0	Cut and fill
290.9	8091	0	Cut and fill
290.9	8090	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
291.0	8089	0	Cut and fill
291.1	9406	0	Horizontal bend
291.1	9405	0	Horizontal bend
292.4	8088	0	Cut and fill
292.8	9404	0	Horizontal bend
292.8	9403	0	Horizontal bend
293.6	9402	0	Horizontal bend
293.6	9401	0	Horizontal bend
293.7	2818	0	Waterbody crossing
293.7	2817	0	Waterbody crossing
293.8	2815	0	Waterbody crossing
293.8	2816	0	Waterbody crossing
293.8	8086	33.6	Cut and fill
294.0	4194	0	Thrucut storage
294.0	8087	0	Cut and fill
294.0	8084	0	Cut and fill
294.6	8083	0	Cut and fill
295.2	8079	14.4	Cut and fill
295.2	8078	16.9	Cut and fill
295.7	8077	0	Cut and fill
295.9	8071	14.7	Cut and fill
295.9	9395	0	Horizontal bend
295.9	9396	15.4	Horizontal bend
296.1	8070	0	Cut and fill
296.7	8067	0	Cut and fill
296.9	8066	0	Cut and fill
297.1	8064	16.9	Cut and fill
297.1	8065	0	Cut and fill
297.1	4197	3.3	Thrucut storage
297.2	8062	0	Cut and fill
297.2	2899	0	Waterbody crossing
297.2	2894	0	Waterbody crossing
297.2	2904	0	Waterbody crossing
297.3	2908	0	Waterbody crossing
298.0	8061	18.2	Cut and fill
298.8	2888	0	Waterbody crossing
298.8	3822	11.5	Waterbody crossing
298.9	2886	0	Waterbody crossing



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
298.9	2883	0	Waterbody crossing
299.0	9390	0	Horizontal bend
299.1	9389	0	Horizontal bend
299.4	4199	0	Thrucut storage
299.5	4224	0	Thrucut storage
299.6	8055	0	Cut and fill
299.7	8054	0	Cut and fill
299.7	8052	4.5	Cut and fill
300.0	8053	7.3	Cut and fill
300.1	4200	29.9	Thrucut storage
300.4	2882	0	Waterbody crossing
300.4	2885	0	Waterbody crossing
300.6	8048	0	Cut and fill
300.6	8047	0	Cut and fill
300.6	8046	11.1	Cut and fill
300.9	8045	0	Cut and fill
301.3	4203	37.4	Thrucut storage
301.5	8035	0	Cut and fill
301.5	2900	0	Waterbody crossing
301.5	2895	0	Waterbody crossing
301.6	2905	0	Waterbody crossing
301.6	2909	0	Waterbody crossing
302.4	9388	0	Horizontal bend
302.4	9387	0	Horizontal bend
302.4	4204	0	Thrucut storage
302.9	9386	0	Horizontal bend
303.0	9385	0	Horizontal bend
303.0	8034	0	Cut and fill
303.0	8033	0	Cut and fill
303.0	8032	0	Cut and fill
303.6	9383	0	Horizontal bend
303.6	9384	0	Horizontal bend
303.8	8031	0	Cut and fill
304.1	8030	0	Cut and fill
304.3	9381	0	Horizontal bend
304.3	9382	0	Horizontal bend
304.6	8029	0	Cut and fill
305.0	9379	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
305.0	9380	0	Horizontal bend
305.2	3085	0	Waterbody crossing
305.3	3933	0	Thrucut storage
305.3	3084	0	Waterbody crossing
305.3	3083	0	Waterbody crossing
305.7	8024	47.1	Cut and fill
305.7	8025	0	Cut and fill
305.7	9378	0	Horizontal bend
305.7	9377	0	Horizontal bend
305.8	8023	33.7	Cut and fill
306.0	8022	0	Cut and fill
306.1	8021	0	Cut and fill
306.2	8020	0	Cut and fill
306.3	9376	0	Horizontal bend
306.3	8018	0	Cut and fill
306.3	9375	0	Horizontal bend
306.3	8017	0	Cut and fill
306.3	8019	0	Cut and fill
306.4	8016	16.3	Cut and fill
306.9	2240	0	Road crossing
306.9	2241	0	Road crossing
307.1	2939	0	Waterbody crossing
307.1	2938	0	Waterbody crossing
307.2	2937	0	Waterbody crossing
307.2	2936	0	Waterbody crossing
307.4	9374	0	Horizontal bend
307.4	9373	0	Horizontal bend
310.2	3097	0	Waterbody crossing
310.2	3098	0	Waterbody crossing
310.2	3082	0	Waterbody crossing
310.2	3081	0	Waterbody crossing
310.5	1968	0	False right-of-way
310.5	9372	0	Horizontal bend
310.6	9371	0	Horizontal bend
310.6	2210	0	Road crossing
310.7	2209	0	Road crossing
310.7	2208	0	Road crossing
310.7	2239	0	Road crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
310.8	3872	0	Foreign crossing
310.8	3877	0	Foreign crossing
310.8	9370	0	Horizontal bend
310.8	9369	0	Horizontal bend
310.8	3870	0	Foreign crossing
311.2	8014	1.0	Cut and fill
311.7	8010	2.9	Cut and fill
311.7	8015	0	Cut and fill
312.4	8002	0	Cut and fill
312.4	9366	11.5	Horizontal bend
312.4	9365	0	Horizontal bend
312.7	3080	18.4	Waterbody crossing
312.8	3078	0	Waterbody crossing
312.8	3079	0	Waterbody crossing
313.1	2925	48.7	Waterbody crossing
313.2	2924	5.5	Waterbody crossing
313.7	8001	0	Cut and fill
313.9	9362	0	Horizontal bend
314.2	8000	0	Cut and fill
314.3	7998	2.8	Cut and fill
314.7	7999	0	Cut and fill
314.9	9359	0	Horizontal bend
314.9	9360	0	Horizontal bend
315.5	7997	0	Cut and fill
315.8	9358	0	Horizontal bend
315.8	7991	0	Cut and fill
315.8	7990	0	Cut and fill
315.8	7989	0	Cut and fill
315.9	7988	0	Cut and fill
315.9	7987	0	Cut and fill
316.0	7986	0	Cut and fill
316.1	3077	0	Waterbody crossing
316.1	7984	0	Cut and fill
316.1	5057	0	Waterbody crossing
316.1	5056	0	Waterbody crossing
316.2	3092	0	Waterbody crossing
316.3	9356	0	Horizontal bend
316.3	9355	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
316.3	7983	0	Cut and fill
316.5	3076	0	Waterbody crossing
316.5	3075	0	Waterbody crossing
316.6	3073	0	Waterbody crossing
316.6	7982	0	Cut and fill
316.6	3074	0	Waterbody crossing
316.6	7981	0	Cut and fill
317.0	7980	0	Cut and fill
317.4	3072	22.1	Waterbody crossing
317.4	3071	26.5	Waterbody crossing
317.4	7978	20.0	Cut and fill
317.4	3069	0	Waterbody crossing
317.5	3070	0	Waterbody crossing
317.8	7977	0	Cut and fill
318.3	7976	0	Cut and fill
318.3	9354	0	Horizontal bend
318.3	9353	0	Horizontal bend
318.7	7975	0	Cut and fill
318.8	9351	0	Horizontal bend
318.9	9352	0	Horizontal bend
318.9	7974	0	Cut and fill
318.9	3068	0	Waterbody crossing
318.9	3067	0	Waterbody crossing
319.0	3066	0	Waterbody crossing
319.0	3065	0	Waterbody crossing
319.1	2243	0	Road crossing
319.1	2242	0	Road crossing
319.1	9350	0	Horizontal bend
319.1	9349	0	Horizontal bend
319.1	7973	0	Cut and fill
319.2	3064	0	Waterbody crossing
319.2	5055	0	Waterbody crossing
319.3	5054	0	Waterbody crossing
319.3	3063	38.7	Waterbody crossing
319.7	3061	0	Waterbody crossing
319.7	3060	0	Waterbody crossing
319.8	3058	0	Waterbody crossing
319.8	3059	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
319.9	7972	0	Cut and fill
321.1	7971	0	Cut and fill
322.1	3057	0	Waterbody crossing
322.1	3056	0	Waterbody crossing
322.1	3055	0	Waterbody crossing
322.1	3054	0	Waterbody crossing
322.3	7970	0	Cut and fill
322.6	7969	0	Cut and fill
322.7	7968	0	Cut and fill
323.4	3052	0	Waterbody crossing
323.4	3053	0	Waterbody crossing
323.5	3051	0	Waterbody crossing
323.5	3050	0	Waterbody crossing
323.9	3049	0	Waterbody crossing
323.9	3048	0	Waterbody crossing
324.0	3047	0	Waterbody crossing
324.0	3096	0	Waterbody crossing
324.1	3046	0	Waterbody crossing
324.1	3045	0	Waterbody crossing
324.1	3044	0	Waterbody crossing
325.8	3043	0	Waterbody crossing
325.8	3093	0	Waterbody crossing
325.9	3042	0	Waterbody crossing
325.9	3094	0	Waterbody crossing
326.7	2237	0	Road crossing
326.7	2232	0	Road crossing
327.2	3041	0	Waterbody crossing
327.3	3040	0	Waterbody crossing
327.3	3039	0	Waterbody crossing
327.5	9345	0	Horizontal bend
327.5	9346	0	Horizontal bend
328.3	9344	0	Horizontal bend
328.3	9343	10.3	Horizontal bend
328.7	3038	0	Waterbody crossing
328.7	3037	0	Waterbody crossing
328.7	3036	0	Waterbody crossing
329.4	3035	0	Waterbody crossing
329.4	3034	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
334.1	2935	0	Waterbody crossing
334.1	2934	0	Waterbody crossing
334.1	3934	0	Thrucut storage
334.2	3935	0	Thrucut storage
334.2	2933	0	Waterbody crossing
334.2	2932	0	Waterbody crossing
337.5	3032	0	Waterbody crossing
337.6	3031	0	Waterbody crossing
337.6	3030	0	Waterbody crossing
337.6	3029	0	Waterbody crossing
339.6	9333	0	Horizontal bend
340.6	2931	0	Waterbody crossing
340.6	9331	0	Horizontal bend
340.6	7956	11.8	Cut and fill
340.6	7955	0	Cut and fill
340.6	2930	43.3	Waterbody crossing
340.6	3937	34.3	Thrucut storage
340.7	2929	0	Waterbody crossing
340.7	3938	0	Thrucut storage
340.7	2928	0	Waterbody crossing
340.8	7954	0	Cut and fill
341.6	9330	0	Horizontal bend
341.6	2205	0	Road crossing
341.6	2206	0	Road crossing
341.7	2207	0	Road crossing
341.7	1967	0	False right-of-way
341.7	9329	0	Horizontal bend
341.7	2236	0	Road crossing
341.8	2919	0	Waterbody crossing
341.8	3028	0	Waterbody crossing
341.8	3027	0	Waterbody crossing
341.8	3026	0	Waterbody crossing
341.9	9328	0	Horizontal bend
342.3	7953	0	Cut and fill
343.3	4207	3.7	Thrucut storage
343.4	7947	12.0	Cut and fill
343.5	9321	0	Horizontal bend
343.5	3025	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
343.7	4227	35.7	Thrucut storage
344.8	3023	0	Waterbody crossing
344.8	3024	0	Waterbody crossing
344.9	3022	0	Waterbody crossing
344.9	3105	0	Waterbody crossing
345.0	4208	6.3	Thrucut storage
346.2	3020	12.2	Waterbody crossing
346.2	3021	35.4	Waterbody crossing
346.3	3019	0	Waterbody crossing
346.3	3106	0	Waterbody crossing
347.5	9314	0	Horizontal bend
347.5	9313	0	Horizontal bend
347.6	3018	0	Waterbody crossing
347.6	3017	0	Waterbody crossing
347.8	9311	0	Horizontal bend
347.8	2203	20.7	Road crossing
347.8	1964	0	False right-of-way
348.5	2231	0	Road crossing
348.5	2230	0	Road crossing
349.1	3014	0	Waterbody crossing
349.2	3015	0	Waterbody crossing
349.2	3013	0	Waterbody crossing
351.0	2229	0	Road crossing
351.1	2228	0	Road crossing
351.3	3011	3.3	Waterbody crossing
351.3	3012	0	Waterbody crossing
351.8	9310	0	Horizontal bend
351.8	9309	0	Horizontal bend
351.8	3880	0	Foreign crossing
351.9	3871	0	Foreign crossing
352.0	9308	0	Horizontal bend
352.0	9307	0	Horizontal bend
352.9	3008	23.3	Waterbody crossing
352.9	3009	0	Waterbody crossing
353.0	3007	0	Waterbody crossing
354.5	9304	5.8	Horizontal bend
354.7	3006	0	Waterbody crossing
354.8	3004	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
355.6	3003	0	Waterbody crossing
355.6	3002	0	Waterbody crossing
355.7	3001	0	Waterbody crossing
355.7	3000	0	Waterbody crossing
355.9	9301	0	Horizontal bend
355.9	9300	0	Horizontal bend
356.2	2008	0	Trenchless crossing
356.2	2009	0	Trenchless crossing
357.9	9296	0	Horizontal bend
357.9	3887	0	Foreign crossing
357.9	9295	0	Horizontal bend
358.3	9291	0	Horizontal bend
358.3	2245	15.5	Road crossing
358.6	2998	28.6	Waterbody crossing
358.7	3946	0	Thrucut storage
358.7	2997	0	Waterbody crossing
363.5	2225	0	Road crossing
363.5	2224	0	Road crossing
364.8	3183	35.3	Waterbody crossing
364.8	4209	12.1	Thrucut storage
365.8	3114	0	Waterbody crossing
365.8	3112	0	Waterbody crossing
365.9	3116	0	Waterbody crossing
365.9	3115	0	Waterbody crossing
365.9	3949	0	Thrucut storage
366.0	3113	0	Waterbody crossing
366.0	3117	0	Waterbody crossing
366.0	5059	0	Waterbody crossing
366.0	3950	0	Thrucut storage
366.0	5058	0	Waterbody crossing
366.1	9288	0	Horizontal bend
366.1	9287	0	Horizontal bend
366.7	9285	0	Horizontal bend
366.7	9286	0	Horizontal bend
366.8	3824	0	Waterbody crossing
366.8	3823	0	Waterbody crossing
369.5	4211	0	Thrucut storage
369.6	9280	0	Horizontal bend



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
369.6	3118	0	Waterbody crossing
369.6	3120	0	Waterbody crossing
369.7	3122	0	Waterbody crossing
369.7	3124	0	Waterbody crossing
369.8	3121	0	Waterbody crossing
369.9	3119	43.7	Waterbody crossing
369.9	3125	0	Waterbody crossing
369.9	3123	0	Waterbody crossing
370.2	2246	0	Road crossing
370.3	2247	0	Road crossing
370.6	3885	0	Foreign crossing
370.6	3886	0	Foreign crossing
370.6	9274	0	Horizontal bend
370.6	1963	0	False right-of-way
371.0	9272	41.6	Horizontal bend
371.0	9273	35.0	Horizontal bend
371.3	2994	0	Waterbody crossing
371.3	2993	0	Waterbody crossing
371.4	2992	0	Waterbody crossing
371.4	3107	0	Waterbody crossing
372.1	2991	0	Waterbody crossing
372.1	2990	0	Waterbody crossing
372.2	2989	0	Waterbody crossing
372.2	9271	0	Horizontal bend
372.3	2988	0	Waterbody crossing
372.8	7937	0	Cut and fill
373.7	2220	0	Road crossing
373.7	2195	0	Road crossing
373.7	9263	0	Horizontal bend
373.8	2987	0	Waterbody crossing
373.8	2986	0	Waterbody crossing
373.9	3960	0	Thrucut storage
375.0	3108	0	Waterbody crossing
375.1	3965	0	Thrucut storage
376.5	2219	0	Road crossing
376.5	9258	0	Horizontal bend
376.6	2984	0	Waterbody crossing
377.0	2983	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
380.1	3968	48.6	Thrucut storage
380.2	2977	40.2	Waterbody crossing
380.4	2976	33.7	Waterbody crossing
380.4	2975	25.8	Waterbody crossing
380.5	3110	0	Waterbody crossing
380.5	2974	43.3	Waterbody crossing
380.9	4228	21.6	Thrucut storage
381.5	3174	0	Waterbody crossing
381.6	3173	0	Waterbody crossing
381.7	3132	0	Waterbody crossing
381.7	3133	0	Waterbody crossing
381.8	3130	0	Waterbody crossing
381.9	3131	0	Waterbody crossing
382.0	9252	0	Horizontal bend
382.0	9253	0	Horizontal bend
382.3	9250	0	Horizontal bend
382.3	9251	0	Horizontal bend
382.3	2215	0	Road crossing
382.3	2216	0	Road crossing
385.7	3172	0	Waterbody crossing
385.7	3169	0	Waterbody crossing
385.7	4231	0	Thrucut storage
385.8	4232	0	Thrucut storage
385.8	3170	0	Waterbody crossing
385.8	3171	0	Waterbody crossing
385.9	9242	0	Horizontal bend
386.5	3136	0	Waterbody crossing
386.6	3134	0	Waterbody crossing
386.6	3138	0	Waterbody crossing
386.6	3140	0	Waterbody crossing
386.8	3135	0	Waterbody crossing
386.8	3137	0	Waterbody crossing
386.9	3139	0	Waterbody crossing
386.9	3141	0	Waterbody crossing
387.2	9240	0	Horizontal bend
387.2	9241	0	Horizontal bend
387.7	9239	0	Horizontal bend
387.7	9238	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
387.9	3143	0	Waterbody crossing
387.9	3142	0	Waterbody crossing
387.9	3144	0	Waterbody crossing
388.0	3145	0	Waterbody crossing
391.2	2972	34.6	Waterbody crossing
391.3	2970	0	Waterbody crossing
391.3	2969	0	Waterbody crossing
391.4	2971	17.8	Waterbody crossing
393.9	4235	0	Thrucut storage
394.0	4297	46.6	Timber decks
394.0	2214	0	Road crossing
394.0	2213	0	Road crossing
394.1	7910	33.0	Cut and fill
395.3	2211	37.9	Road crossing
395.6	9225	0	Horizontal bend
395.6	3180	0	Waterbody crossing
395.7	3179	0	Waterbody crossing
395.7	4236	0	Thrucut storage
395.7	4237	0	Thrucut storage
395.8	3182	0	Waterbody crossing
395.8	3181	0	Waterbody crossing
395.8	7908	44.9	Cut and fill
395.8	4238	0	Thrucut storage
395.8	7907	0	Cut and fill
395.9	3982	0	Thrucut storage
396.2	4239	0	Thrucut storage
398.9	3147	0	Waterbody crossing
398.9	3146	0	Waterbody crossing
399.0	3148	0	Waterbody crossing
399.0	3149	0	Waterbody crossing
399.0	9219	0	Horizontal bend
399.2	4242	0	Thrucut storage
400.9	2377	0	Construction spread breaks
402.0	2968	0	Waterbody crossing
402.1	3099	0	Waterbody crossing
402.1	2927	0	Waterbody crossing
402.3	3104	0	Waterbody crossing
402.3	2967	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
402.5	9216	0	Horizontal bend
402.5	9217	0	Horizontal bend
402.7	2966	0	Waterbody crossing
402.7	3103	0	Waterbody crossing
402.8	2965	0	Waterbody crossing
403.4	2964	0	Waterbody crossing
403.5	2963	0	Waterbody crossing
403.5	2962	0	Waterbody crossing
405.2	2961	0	Waterbody crossing
405.3	2960	0	Waterbody crossing
405.3	2959	0	Waterbody crossing
406.0	2957	0	Waterbody crossing
407.6	2954	0	Waterbody crossing
408.6	2953	0	Waterbody crossing
408.7	2952	0	Waterbody crossing
408.7	2951	32.6	Waterbody crossing
408.8	9214	0	Horizontal bend
408.8	9215	0	Horizontal bend
413.2	7869	38.6	Cut and fill
413.2	7868	0	Cut and fill
414.7	7867	0	Cut and fill
415.0	7853	11.7	Cut and fill
415.3	7854	42.9	Cut and fill
417.5	7832	0	Cut and fill
417.5	9180	16.7	Horizontal bend
418.4	7825	0	Cut and fill
418.6	7841	0	Cut and fill
429.9	7764	3.1	Cut and fill
429.9	7762	0	Cut and fill
430.0	9150	0	Horizontal bend
430.0	9151	0	Horizontal bend
430.4	3176	0	Waterbody crossing
430.4	3175	0	Waterbody crossing
430.5	3177	0	Waterbody crossing
430.5	3178	0	Waterbody crossing
430.7	9149	0	Horizontal bend
430.7	9148	0	Horizontal bend
431.6	9146	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
431.6	9147	0	Horizontal bend
432.0	3151	0	Waterbody crossing
432.1	3152	2.7	Waterbody crossing
432.1	9145	0	Horizontal bend
432.2	3153	<1	Waterbody crossing
432.3	9143	0	Horizontal bend
432.3	9144	0	Horizontal bend
432.6	3156	0	Waterbody crossing
432.8	2921	0	Waterbody crossing
432.8	2920	0	Waterbody crossing
438.2	9141	0	Horizontal bend
438.2	9140	0	Horizontal bend
439.1	9137	37.5	Horizontal bend
439.3	3111	0	Waterbody crossing
439.7	3090	15.5	Waterbody crossing
439.7	2947	40.8	Waterbody crossing
439.8	2946	0	Waterbody crossing
439.9	2945	0	Waterbody crossing
439.9	2944	0	Waterbody crossing
440.5	9133	0	Horizontal bend
441.6	9131	0	Horizontal bend
441.6	9130	17.5	Horizontal bend
442.3	3158	0	Waterbody crossing
442.4	3159	0	Waterbody crossing
442.4	3160	0	Waterbody crossing
442.5	9129	0	Horizontal bend
442.5	9128	0	Horizontal bend
443.2	3161	23.2	Waterbody crossing
443.3	3163	0	Waterbody crossing
443.3	3164	0	Waterbody crossing
444.0	3166	0	Waterbody crossing
444.0	3165	0	Waterbody crossing
444.1	3167	0	Waterbody crossing
444.1	3168	0	Waterbody crossing
445.2	9125	8.5	Horizontal bend
447.4	9121	45.0	Horizontal bend
448.4	9116	0	Horizontal bend
448.7	2941	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
448.7	9115	0	Horizontal bend
448.7	3100	0	Waterbody crossing
449.0	9113	0	Horizontal bend
451.5	9102	0	Horizontal bend
452.1	9100	0	Horizontal bend
452.1	9101	0	Horizontal bend
452.2	3245	0	Waterbody crossing
452.3	3244	0	Waterbody crossing
453.8	3241	0	Waterbody crossing
454.4	4304	0	Timber decks
454.7	9094	0	Horizontal bend
454.7	9095	0	Horizontal bend
455.0	3989	25.3	Thrucut storage
455.1	3212	0	Waterbody crossing
455.1	3211	0	Waterbody crossing
457.9	9092	3.4	Horizontal bend
462.5	9088	42.8	Horizontal bend
462.5	9089	0	Horizontal bend
463.3	9086	0	Horizontal bend
463.3	9087	0	Horizontal bend
463.4	9084	0	Horizontal bend
463.4	9085	0	Horizontal bend
464.0	9082	0	Horizontal bend
464.0	9083	0	Horizontal bend
464.1	9081	0	Horizontal bend
464.1	9080	0	Horizontal bend
464.3	9078	0	Horizontal bend
464.3	9079	0	Horizontal bend
464.7	9077	0	Horizontal bend
464.7	9076	0	Horizontal bend
465.0	9074	0	Horizontal bend
465.0	9075	0	Horizontal bend
465.2	9072	0	Horizontal bend
465.2	9073	0	Horizontal bend
465.4	9070	0	Horizontal bend
465.4	9071	21.3	Horizontal bend
465.6	3239	0	Waterbody crossing
465.7	3262	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
465.7	3254	0	Waterbody crossing
465.8	3256	0	Waterbody crossing
465.9	9069	0	Horizontal bend
465.9	3202	0	Waterbody crossing
467.0	9067	0	Horizontal bend
467.0	9068	0	Horizontal bend
467.3	9065	0	Horizontal bend
467.3	9066	0	Horizontal bend
468.3	9064	0	Horizontal bend
468.3	9063	0	Horizontal bend
468.6	9062	0	Horizontal bend
468.6	9061	0	Horizontal bend
469.1	9060	0	Horizontal bend
469.1	9059	0	Horizontal bend
469.3	3238	<1	Waterbody crossing
469.3	3263	0	Waterbody crossing
469.4	3237	0	Waterbody crossing
469.8	9057	0	Horizontal bend
469.9	3236	26.9	Waterbody crossing
469.9	3235	0	Waterbody crossing
470.4	9056	0	Horizontal bend
470.8	9053	40.8	Horizontal bend
470.8	2268	0	Road crossing
471.0	10049	0	Horizontal bend
471.5	9051	0	Horizontal bend
471.5	9052	0	Horizontal bend
471.6	10050	0	Horizontal bend
471.6	10051	0	Horizontal bend
472.0	4313	0	Timber decks
472.1	9050	0	Horizontal bend
472.1	2021	0	Trenchless crossing
472.2	2018	0	Trenchless crossing
472.3	2279	0	Road crossing
472.3	5123	0	Road crossing
472.6	2017	0	Trenchless crossing
473.4	9048	0	Horizontal bend
473.7	9046	0	Horizontal bend
473.8	2365	0	Road crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
473.8	2366	0	Road crossing
474.3	3233	0	Waterbody crossing
474.3	3261	0	Waterbody crossing
474.4	3232	0	Waterbody crossing
476.0	3210	24.9	Waterbody crossing
476.0	3209	0	Waterbody crossing
476.0	2026	0	Trenchless crossing
476.0	2025	0	Trenchless crossing
476.1	3207	0	Waterbody crossing
476.1	3208	0	Waterbody crossing
478.5	3231	0	Waterbody crossing
478.5	3260	0	Waterbody crossing
478.5	3230	0	Waterbody crossing
479.5	9040	0	Horizontal bend
479.5	9039	0	Horizontal bend
485.5	3257	0	Waterbody crossing
485.6	3227	46.0	Waterbody crossing
486.9	3226	0	Waterbody crossing
489.2	7757	0	Cut and fill
489.2	3205	0	Waterbody crossing
489.2	3206	0	Waterbody crossing
489.3	3204	0	Waterbody crossing
489.3	3203	0	Waterbody crossing
489.7	7754	15.9	Cut and fill
489.7	7755	0	Cut and fill
490.2	7752	0	Cut and fill
490.2	7753	0	Cut and fill
490.9	7750	1.0	Cut and fill
490.9	7751	0	Cut and fill
493.5	4301	0	Timber decks
493.5	7749	0	Cut and fill
493.5	7748	0	Cut and fill
494.0	7746	0	Cut and fill
494.0	7747	0	Cut and fill
494.6	7744	0	Cut and fill
494.6	7745	14.2	Cut and fill
494.7	7742	0	Cut and fill
494.7	7743	19.0	Cut and fill



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
494.8	7740	0	Cut and fill
494.8	7741	0	Cut and fill
494.9	7738	0	Cut and fill
494.9	7739	0	Cut and fill
495.0	7736	0	Cut and fill
495.0	7737	0	Cut and fill
495.3	7734	4.1	Cut and fill
495.3	7735	0	Cut and fill
495.8	7733	0	Cut and fill
495.8	7732	0	Cut and fill
496.1	7730	0	Cut and fill
496.1	7731	19.7	Cut and fill
496.5	7729	0	Cut and fill
496.5	7728	0	Cut and fill
496.6	7726	44.4	Cut and fill
496.6	7727	0	Cut and fill
496.6	9028	0	Horizontal bend
496.7	9027	11.3	Horizontal bend
496.8	7725	0	Cut and fill
496.8	7724	0	Cut and fill
497.1	7722	0	Cut and fill
497.1	7723	0	Cut and fill
497.4	7720	0	Cut and fill
497.4	7721	0	Cut and fill
497.4	9026	42.0	Horizontal bend
497.8	7719	0	Cut and fill
498.1	7718	0	Cut and fill
498.4	7715	10.0	Cut and fill
498.5	4311	0	Timber decks
498.5	7714	0	Cut and fill
498.6	9024	0	Horizontal bend
498.6	7713	0	Cut and fill
498.6	7712	47.0	Cut and fill
498.6	7711	38.2	Cut and fill
498.6	2251	0	Road crossing
498.6	2250	0	Road crossing
498.7	7710	43.7	Cut and fill
498.7	7709	45.8	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
498.7	2267	0	Road crossing
498.8	2266	0	Road crossing
499.0	9023	0	Horizontal bend
499.0	9022	0	Horizontal bend
499.1	7708	0	Cut and fill
500.3	1982	0	Fault crossing
500.3	1981	0	Fault crossing
501.5	3223	0	Waterbody crossing
501.6	3222	0	Waterbody crossing
502.0	9019	0	Horizontal bend
502.1	3221	0	Waterbody crossing
502.1	3219	0	Waterbody crossing
502.2	3220	0	Waterbody crossing
502.2	9018	0	Horizontal bend
503.6	7707	0	Cut and fill
503.8	7706	0	Cut and fill
504.6	3201	0	Waterbody crossing
504.6	5063	42.6	Waterbody crossing
504.6	4245	48.6	Thrucut storage
504.7	3199	28.3	Waterbody crossing
504.7	3200	0	Waterbody crossing
504.7	7705	0	Cut and fill
504.8	2301	0	Road crossing
504.8	2302	0	Road crossing
504.8	3250	0	Waterbody crossing
504.9	3218	0	Waterbody crossing
504.9	3217	0	Waterbody crossing
505.0	7704	0	Cut and fill
505.9	7703	0	Cut and fill
505.9	7702	0	Cut and fill
506.0	9016	0	Horizontal bend
506.0	9017	0	Horizontal bend
506.9	9015	0	Horizontal bend
507.0	9014	0	Horizontal bend
507.1	3993	0	Thrucut storage
507.5	9013	0	Horizontal bend
507.5	9012	0	Horizontal bend
507.7	3264	0	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
507.7	3265	0	Waterbody crossing
507.8	3267	0	Waterbody crossing
507.8	3266	0	Waterbody crossing
507.9	9011	0	Horizontal bend
508.4	9010	0	Horizontal bend
508.4	9009	0	Horizontal bend
508.6	9008	0	Horizontal bend
508.6	9007	0	Horizontal bend
509.3	7701	0	Cut and fill
509.3	3994	0	Thrucut storage
509.3	3995	0	Thrucut storage
509.5	9005	0	Horizontal bend
509.5	9006	0	Horizontal bend
511.4	7699	0	Cut and fill
511.8	1987	8.6	Fiber optic crossing
511.9	9004	0	Horizontal bend
511.9	9003	0	Horizontal bend
512.0	7698	0	Cut and fill
512.2	7697	41.6	Cut and fill
512.3	9002	0	Horizontal bend
512.5	8998	0	Horizontal bend
512.8	3195	44.7	Waterbody crossing
513.0	2278	0	Road crossing
513.0	2277	0	Road crossing
513.3	7691	0	Cut and fill
513.5	7690	0	Cut and fill
514.7	2303	0	Road crossing
514.7	2304	0	Road crossing
515.7	7689	0	Cut and fill
515.7	3194	19.3	Waterbody crossing
515.7	7688	6.4	Cut and fill
515.7	3193	5.8	Waterbody crossing
515.8	3192	0	Waterbody crossing
515.9	8996	0	Horizontal bend
515.9	8995	0	Horizontal bend
515.9	7686	0	Cut and fill
515.9	1988	0	Fiber optic crossing
516.0	8994	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
516.0	8993	0	Horizontal bend
516.1	7685	0	Cut and fill
516.2	7684	0	Cut and fill
516.2	8992	0	Horizontal bend
516.2	8991	0	Horizontal bend
516.3	7683	0	Cut and fill
516.5	3997	0	Thrucut storage
517.3	8989	0	Horizontal bend
517.4	8990	0	Horizontal bend
517.5	8987	0	Horizontal bend
517.5	8988	0	Horizontal bend
517.8	8986	0	Horizontal bend
517.8	8985	0	Horizontal bend
517.9	8984	0	Horizontal bend
517.9	8983	0	Horizontal bend
518.4	8981	0	Horizontal bend
518.4	8982	0	Horizontal bend
519.5	3188	0	Waterbody crossing
519.6	3998	0	Thrucut storage
519.6	5020	0	Fault crossing
519.6	5022	1.1	Fault crossing
519.7	3251	49.7	Waterbody crossing
520.4	5024	0	Fault crossing
520.5	1980	0	Fault crossing
520.8	4000	47.7	Thrucut storage
520.9	5023	0	Fault crossing
521.1	8980	4.3	Horizontal bend
521.1	7679	0	Cut and fill
521.1	5061	0	Waterbody crossing
521.1	4001	0	Thrucut storage
521.2	5060	0	Waterbody crossing
521.2	7678	29.8	Cut and fill
521.2	7677	0	Cut and fill
521.2	7676	33.5	Cut and fill
521.2	7674	0	Cut and fill
521.3	7675	0	Cut and fill
521.4	8979	0	Horizontal bend
521.4	8978	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
521.4	1986	0	Fiber optic crossing
521.5	7672	46.1	Cut and fill
521.6	7671	6.3	Cut and fill
521.6	7673	13.5	Cut and fill
521.9	7669	0	Cut and fill
521.9	7668	0	Cut and fill
522.0	7666	0	Cut and fill
522.0	7667	0	Cut and fill
522.1	7665	0	Cut and fill
522.4	7664	6.2	Cut and fill
522.5	1973	26.1	Fault crossing
522.6	7663	0	Cut and fill
522.8	7662	0	Cut and fill
522.8	7661	0	Cut and fill
523.0	7660	3.7	Cut and fill
523.1	2262	0	Road crossing
523.1	7659	14.5	Cut and fill
523.1	2261	26.7	Road crossing
523.2	2259	0	Road crossing
523.2	2260	0	Road crossing
523.4	7658	0	Cut and fill
523.4	2281	45.8	Road crossing
523.6	3216	0	Waterbody crossing
523.6	7657	0	Cut and fill
523.6	3215	0	Waterbody crossing
523.7	7656	0	Cut and fill
524.1	7655	0	Cut and fill
524.9	8974	0	Horizontal bend
525.3	7653	0	Cut and fill
525.5	8972	19.9	Horizontal bend
526.3	7651	0	Cut and fill
526.4	7649	0	Cut and fill
526.4	7650	0	Cut and fill
526.5	7647	30.3	Cut and fill
526.5	7648	0	Cut and fill
526.9	1975	0	Fault crossing
526.9	1974	0	Fault crossing
527.0	2284	0	Road crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
527.4	7645	0	Cut and fill
527.6	8961	0	Horizontal bend
528.9	8963	32.5	Horizontal bend
528.9	8962	1.7	Horizontal bend
529.5	2285	0	Road crossing
529.5	2272	0	Road crossing
529.7	8957	0	Horizontal bend
529.7	8958	0	Horizontal bend
529.9	8955	0	Horizontal bend
529.9	8956	0	Horizontal bend
530.1	7642	0	Cut and fill
530.4	7640	0	Cut and fill
530.4	4005	0	Thrucut storage
530.4	2388	0	Waterbody crossing
530.5	2389	0	Waterbody crossing
530.6	7639	0	Cut and fill
531.1	7638	0	Cut and fill
531.3	4006	0	Thrucut storage
531.3	8952	0	Horizontal bend
531.4	8953	0	Horizontal bend
531.4	2425	0	Waterbody crossing
531.4	8951	0	Horizontal bend
531.4	4007	49.3	Thrucut storage
534.6	5100	0	Denali Special Design Area
534.7	5099	0	Denali Special Design Area
538.2	10076	0	Horizontal bend
539.9	10066	0	Railroad crossing
539.9	10097	0	Railroad crossing
540.0	10091	0	Horizontal bend
540.8	10090	0	Horizontal bend
543.0	10063	0	Waterbody crossing
543.0	10061	0	Waterbody crossing
543.2	10060	0	Waterbody crossing
543.2	10062	0	Waterbody crossing
543.3	10059	14.3	Horizontal bend
543.9	10087	0	Horizontal bend
544.3	10085	0	Construction spread breaks
546.2	8911	33.1	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
547.2	4248	43.3	Thrucut storage
548.0	7567	0	Cut and fill
548.3	7566	0	Cut and fill
548.4	7565	0	Cut and fill
548.6	7564	0	Cut and fill
548.7	7563	0	Cut and fill
548.7	7562	0	Cut and fill
548.7	7561	0	Cut and fill
548.7	7560	0	Cut and fill
548.8	7559	0	Cut and fill
548.9	7558	0	Cut and fill
548.9	7557	0	Cut and fill
548.9	7556	0	Cut and fill
549.0	7555	0	Cut and fill
549.0	7553	20.8	Cut and fill
549.0	7554	0	Cut and fill
549.0	7552	0	Cut and fill
549.1	7551	0	Cut and fill
549.1	7550	0	Cut and fill
549.3	7549	0	Cut and fill
549.6	7543	0	Cut and fill
549.6	7544	37.3	Cut and fill
549.7	7541	0	Cut and fill
549.7	7542	0	Cut and fill
549.9	7540	0	Cut and fill
549.9	7536	0	Cut and fill
550.0	7535	0	Cut and fill
550.1	8910	36.2	Horizontal bend
550.5	7532	0	Cut and fill
550.9	7528	0	Cut and fill
551.2	7527	0	Cut and fill
551.2	7525	34.6	Cut and fill
551.5	2384	49.0	Waterbody crossing
551.5	7523	0	Cut and fill
551.6	8908	13.9	Horizontal bend
551.7	7520	0	Cut and fill
551.7	7519	49.3	Cut and fill
551.8	8905	25.5	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
551.8	7517	19.0	Cut and fill
551.8	4022	23.7	Thrucut storage
551.8	7515	0	Cut and fill
551.9	7514	0	Cut and fill
551.9	7512	17.0	Cut and fill
551.9	7513	0	Cut and fill
552.0	4309	0	Timber decks
552.1	7510	0	Cut and fill
552.2	7509	0	Cut and fill
552.3	7508	0	Cut and fill
552.5	7506	0	Cut and fill
552.6	4285	0	Thrucut storage
552.6	8904	0	Horizontal bend
552.6	7505	14.1	Cut and fill
552.9	7499	0	Cut and fill
552.9	8901	2.0	Horizontal bend
553.0	2463	0	Waterbody crossing
553.0	2465	0	Waterbody crossing
553.0	7498	0	Cut and fill
553.0	2464	0	Waterbody crossing
553.0	2466	38.3	Waterbody crossing
553.1	7497	0	Cut and fill
553.2	7494	0	Cut and fill
553.3	7492	0	Cut and fill
553.3	7493	0	Cut and fill
553.5	7489	0	Cut and fill
553.5	4308	0	Timber decks
553.5	7488	0	Cut and fill
553.6	7490	0	Cut and fill
553.6	7486	0	Cut and fill
553.7	8899	0	Horizontal bend
553.7	8900	0	Horizontal bend
553.8	7485	0	Cut and fill
553.8	7484	33.0	Cut and fill
553.8	7483	0	Cut and fill
553.9	7482	0	Cut and fill
553.9	7481	0	Cut and fill
553.9	7479	0	Cut and fill



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
554.0	7480	0	Cut and fill
554.0	8896	0	Horizontal bend
555.1	4251	28.6	Thrucut storage
555.2	8894	0	Horizontal bend
555.2	8895	14.4	Horizontal bend
555.8	7478	0	Cut and fill
556.2	2421	0	Waterbody crossing
556.3	7475	0	Cut and fill
556.3	2420	0	Waterbody crossing
556.3	7474	26.2	Cut and fill
556.4	2419	0	Waterbody crossing
556.4	7473	0	Cut and fill
556.4	8891	21.8	Horizontal bend
556.5	2286	0	Road crossing
556.5	2287	0	Road crossing
556.6	4306	0	Timber decks
556.7	7472	0	Cut and fill
559.0	4030	49.5	Thrucut storage
559.1	4031	23.7	Thrucut storage
559.3	2291	0	Road crossing
559.3	7451	0	Cut and fill
559.5	2469	0	Waterbody crossing
559.5	8876	0	Horizontal bend
559.6	2467	0	Waterbody crossing
559.6	7450	0	Cut and fill
559.6	4223	0	Thrucut storage
559.6	2468	0	Waterbody crossing
559.6	4032	0	Thrucut storage
559.7	2470	0	Waterbody crossing
559.7	8874	0	Horizontal bend
559.7	8875	0	Horizontal bend
559.7	7449	0	Cut and fill
559.7	8872	0	Horizontal bend
559.7	8873	0	Horizontal bend
559.8	2293	0	Road crossing
559.8	2292	0	Road crossing
559.9	7448	0	Cut and fill
560.3	1977	0	Fault crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
560.3	1976	0	Fault crossing
560.3	8871	0	Horizontal bend
560.3	7447	0	Cut and fill
560.4	7445	0	Cut and fill
560.4	7446	0	Cut and fill
560.4	8868	0	Horizontal bend
560.4	8870	0	Horizontal bend
560.5	8867	0	Horizontal bend
560.5	8869	0	Horizontal bend
560.5	4253	0	Thru-cut storage
560.6	7444	0	Cut and fill
560.6	7443	0	Cut and fill
560.6	2472	0	Waterbody crossing
560.6	2471	43.5	Waterbody crossing
560.7	2473	0	Waterbody crossing
560.7	2501	33.7	Waterbody crossing
560.8	7442	0	Cut and fill
560.8	8866	0	Horizontal bend
560.9	7441	0	Cut and fill
560.9	5045	0	Waterbody crossing
560.9	7440	0	Cut and fill
560.9	2474	36.6	Waterbody crossing
560.9	7439	8.9	Cut and fill
561.1	2475	37.4	Waterbody crossing
561.2	2477	0	Waterbody crossing
561.2	2478	0	Waterbody crossing
561.6	8865	0	Horizontal bend
561.6	8864	0	Horizontal bend
561.7	7434	0	Cut and fill
562.2	7430	0	Cut and fill
562.3	7429	0	Cut and fill
562.3	7428	0	Cut and fill
562.4	4033	0	Thru-cut storage
562.4	7427	0	Cut and fill
562.5	8859	0	Horizontal bend
562.5	8858	0	Horizontal bend
562.6	7426	0	Cut and fill
562.7	7425	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
562.7	7424	0	Cut and fill
563.5	8856	28.4	Horizontal bend
563.5	7419	0	Cut and fill
563.6	7421	0	Cut and fill
563.6	7418	31.8	Cut and fill
563.6	7417	24.6	Cut and fill
563.8	7416	0	Cut and fill
563.9	7415	0	Cut and fill
564.0	7413	14.8	Cut and fill
564.3	7412	0	Cut and fill
564.5	8852	0	Horizontal bend
564.5	8853	0	Horizontal bend
564.5	7411	0	Cut and fill
564.6	2413	0	Waterbody crossing
564.6	2412	0	Waterbody crossing
564.7	2410	0	Waterbody crossing
564.7	2411	0	Waterbody crossing
565.0	7410	0	Cut and fill
565.6	7408	0	Cut and fill
566.0	7403	0	Cut and fill
566.0	8849	9.4	Horizontal bend
566.7	7398	0	Cut and fill
566.8	2295	0	Road crossing
566.8	2294	45.8	Road crossing
566.8	2394	0	Waterbody crossing
566.8	7396	0	Cut and fill
566.8	2391	0	Waterbody crossing
567.2	7385	26.1	Cut and fill
567.2	2407	12.1	Waterbody crossing
567.3	7384	0	Cut and fill
567.3	7386	43.9	Cut and fill
567.4	7383	27.8	Cut and fill
567.4	7381	0	Cut and fill
567.5	7382	34.2	Cut and fill
567.6	7380	0	Cut and fill
567.6	7379	0	Cut and fill
567.7	7378	0	Cut and fill
567.8	7377	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
568.1	8834	0	Horizontal bend
568.1	8835	0	Horizontal bend
568.5	7376	0	Cut and fill
568.6	7375	0	Cut and fill
568.6	7374	0	Cut and fill
568.7	7373	0	Cut and fill
568.7	7372	0	Cut and fill
568.7	7371	0	Cut and fill
568.7	2383	0	Waterbody crossing
568.8	7370	0	Cut and fill
568.8	2382	0	Waterbody crossing
568.8	7369	0	Cut and fill
568.9	7368	0	Cut and fill
568.9	2380	0	Waterbody crossing
568.9	7367	0	Cut and fill
568.9	2381	0	Waterbody crossing
569.0	7366	0	Cut and fill
569.2	7365	0	Cut and fill
569.2	7364	0	Cut and fill
569.3	7363	0	Cut and fill
569.5	7362	0	Cut and fill
569.5	7361	0	Cut and fill
569.6	7360	0	Cut and fill
569.7	7359	0	Cut and fill
569.7	7358	0	Cut and fill
569.7	7357	0	Cut and fill
569.7	7356	0	Cut and fill
569.8	7353	0	Cut and fill
569.8	7355	0	Cut and fill
569.8	7352	0	Cut and fill
569.9	7351	0	Cut and fill
570.0	7354	0	Cut and fill
570.1	7349	0	Cut and fill
570.2	7350	0	Cut and fill
570.2	7347	0	Cut and fill
570.2	7348	27.2	Cut and fill
570.3	7345	0	Cut and fill
571.2	7346	6.3	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
572.2	7342	16.3	Cut and fill
572.2	7344	15.5	Cut and fill
572.3	7343	6.1	Cut and fill
572.7	2298	0	Road crossing
572.8	7337	3.6	Cut and fill
572.8	2054	0	Railroad crossing
573.0	7338	0	Cut and fill
573.1	7333	0	Cut and fill
573.2	8831	0	Horizontal bend
573.2	8830	0	Horizontal bend
573.9	7332	38.9	Cut and fill
575.1	7328	0	Cut and fill
575.5	7323	0	Cut and fill
575.7	7322	33.6	Cut and fill
575.9	7321	0	Cut and fill
577.4	7316	0	Cut and fill
577.5	2305	0	Road crossing
577.6	7315	0	Cut and fill
577.6	8827	0	Horizontal bend
577.6	8826	0	Horizontal bend
577.7	7313	0	Cut and fill
577.7	7314	0	Cut and fill
577.7	7312	0	Cut and fill
577.8	2434	0	Waterbody crossing
577.8	2433	0	Waterbody crossing
577.9	2405	0	Waterbody crossing
577.9	7311	14.6	Cut and fill
577.9	2406	0	Waterbody crossing
579.2	7310	34.7	Cut and fill
580.2	7295	34.1	Cut and fill
580.3	7296	0	Cut and fill
580.4	7294	0	Cut and fill
580.6	7293	0	Cut and fill
580.9	7292	0	Cut and fill
581.0	7291	0	Cut and fill
581.0	7290	0	Cut and fill
581.1	7289	0	Cut and fill
581.1	7287	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
581.4	7286	0	Cut and fill
581.7	7285	0	Cut and fill
581.8	7288	0	Cut and fill
581.8	7284	37.1	Cut and fill
582.2	7281	0	Cut and fill
582.3	8821	0	Horizontal bend
582.3	8820	0	Horizontal bend
582.6	7280	0	Cut and fill
582.6	4307	44.4	Timber decks
582.7	8819	33.1	Horizontal bend
582.8	7278	0	Cut and fill
582.8	2432	43.2	Waterbody crossing
582.8	7277	43.1	Cut and fill
582.9	2431	0	Waterbody crossing
583.4	7274	0	Cut and fill
583.9	2402	0	Waterbody crossing
584.1	7269	37.1	Cut and fill
584.5	7267	10.2	Cut and fill
584.9	7266	0	Cut and fill
584.9	7265	0	Cut and fill
585.0	7263	0	Cut and fill
585.0	7264	26.9	Cut and fill
585.7	7259	0	Cut and fill
586.1	2436	33.0	Waterbody crossing
586.4	2437	20.7	Waterbody crossing
586.4	2440	<1	Waterbody crossing
586.4	7250	25.3	Cut and fill
586.4	7251	0	Cut and fill
586.5	8815	0	Horizontal bend
586.6	7248	0	Cut and fill
586.8	7245	8.6	Cut and fill
586.8	7244	0	Cut and fill
586.8	7243	38.9	Cut and fill
586.8	2429	20.2	Waterbody crossing
586.8	2439	0	Waterbody crossing
586.9	2399	15.6	Waterbody crossing
586.9	2400	41.3	Waterbody crossing
586.9	7241	22.8	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
587.0	7239	26.3	Cut and fill
587.0	7238	37.4	Cut and fill
587.2	7235	28.0	Cut and fill
587.3	7236	22.1	Cut and fill
587.4	7234	0	Cut and fill
587.6	7230	0	Cut and fill
587.9	7229	0	Cut and fill
588.0	7226	6.7	Cut and fill
588.0	8814	0	Horizontal bend
588.0	1970	0	False right-of-way
588.0	7225	45.2	Cut and fill
588.0	8813	30.8	Horizontal bend
588.0	2059	0	Railroad crossing
588.0	2058	0	Railroad crossing
588.1	7222	0	Cut and fill
588.1	2060	0	Railroad crossing
588.1	2061	0	Railroad crossing
588.1	7221	33.3	Cut and fill
588.1	7223	0	Cut and fill
588.2	2253	0	Road crossing
588.3	2252	0	Road crossing
588.3	7218	0	Cut and fill
588.4	7219	0	Cut and fill
588.4	7216	0	Cut and fill
588.6	8812	0	Horizontal bend
588.6	7214	0	Cut and fill
588.6	7215	34.1	Cut and fill
588.7	7213	0	Cut and fill
588.9	7211	26.4	Cut and fill
589.0	7210	0	Cut and fill
589.0	8810	22.1	Horizontal bend
589.0	8809	22.7	Horizontal bend
589.2	8807	0	Horizontal bend
589.2	7209	0	Cut and fill
589.3	7208	0	Cut and fill
589.3	8804	0	Horizontal bend
589.3	8805	0	Horizontal bend
589.4	7207	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
589.5	7205	32.7	Cut and fill
589.5	7206	5.3	Cut and fill
589.6	8803	0	Horizontal bend
589.7	7204	0	Cut and fill
589.7	2480	0	Waterbody crossing
589.7	7203	0	Cut and fill
589.7	2479	0	Waterbody crossing
589.7	7202	0	Cut and fill
589.7	7201	0	Cut and fill
589.8	2505	0	Waterbody crossing
590.0	7198	0	Cut and fill
590.0	8801	35.7	Horizontal bend
590.0	7197	18.8	Cut and fill
590.4	7192	0	Cut and fill
590.4	8800	0	Horizontal bend
590.4	7191	0	Cut and fill
590.4	8799	0	Horizontal bend
590.5	7199	0	Cut and fill
590.5	8797	0	Horizontal bend
590.5	8798	32.3	Horizontal bend
590.5	7190	22.3	Cut and fill
590.5	2483	0	Waterbody crossing
590.6	2482	18.0	Waterbody crossing
590.6	2485	0	Waterbody crossing
590.7	2484	0	Waterbody crossing
590.7	8796	0	Horizontal bend
590.7	7189	0	Cut and fill
590.9	7188	0	Cut and fill
590.9	8794	0	Horizontal bend
591.0	7187	0	Cut and fill
591.1	7186	0	Cut and fill
591.2	7183	42.9	Cut and fill
591.2	7182	4.0	Cut and fill
591.2	7181	24.4	Cut and fill
591.3	7180	0	Cut and fill
591.3	7179	0	Cut and fill
591.4	7178	0	Cut and fill
591.4	7177	0	Cut and fill



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
591.5	7176	35.6	Cut and fill
591.6	7175	12.9	Cut and fill
591.9	8792	4.2	Horizontal bend
591.9	7172	0	Cut and fill
592.0	7171	0	Cut and fill
592.2	8790	0	Horizontal bend
592.2	8791	0	Horizontal bend
592.4	8789	0	Horizontal bend
592.8	7170	0	Cut and fill
593.1	8786	0	Horizontal bend
593.1	8787	15.0	Horizontal bend
593.1	7169	9.8	Cut and fill
593.5	7166	31.2	Cut and fill
593.6	2035	0	Foreign pipeline crossing
593.6	7162	0	Cut and fill
593.6	2034	0	Foreign pipeline crossing
593.6	2033	0	Foreign pipeline crossing
593.6	7163	0	Cut and fill
593.7	8782	0	Horizontal bend
593.7	8783	0	Horizontal bend
593.7	7161	0	Cut and fill
593.7	4259	2.3	Thrucut storage
594.6	7149	7.2	Cut and fill
594.8	8780	29.8	Horizontal bend
594.8	8781	0	Horizontal bend
594.8	8779	40.1	Horizontal bend
594.8	7154	0	Cut and fill
595.3	7147	26.7	Cut and fill
595.6	7146	0	Cut and fill
595.8	7143	32.8	Cut and fill
595.8	7142	12.9	Cut and fill
596.0	8774	0	Horizontal bend
596.0	7141	0	Cut and fill
596.0	8771	0	Horizontal bend
596.0	8772	0	Horizontal bend
596.3	8769	0	Horizontal bend
596.4	7140	0	Cut and fill
596.7	2396	21.8	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
596.7	2395	0	Waterbody crossing
597.0	2378	0	Construction spread breaks
597.1	8767	0	Horizontal bend
597.4	7139	0	Cut and fill
598.0	7138	0	Cut and fill
598.2	7137	0	Cut and fill
598.2	7136	6.2	Cut and fill
600.1	7133	0	Cut and fill
601.4	7131	0	Cut and fill
601.6	8762	0	Horizontal bend
601.7	2594	4.1	Waterbody crossing
601.8	2592	0	Waterbody crossing
601.9	8760	0	Horizontal bend
602.5	7130	0	Cut and fill
603.2	7129	0	Cut and fill
603.2	8758	0	Horizontal bend
603.2	8757	0	Horizontal bend
603.4	2521	0	Waterbody crossing
603.7	8755	0	Horizontal bend
603.7	8756	0	Horizontal bend
603.8	7127	0	Cut and fill
603.9	2590	0	Waterbody crossing
603.9	2588	0	Waterbody crossing
604.0	2589	0	Waterbody crossing
604.0	2587	0	Waterbody crossing
604.1	8753	0	Horizontal bend
604.8	7126	0	Cut and fill
605.6	7125	25.6	Cut and fill
605.6	7123	0	Cut and fill
605.7	2041	0	Foreign pipeline crossing
605.7	7122	0	Cut and fill
605.7	2042	0	Foreign pipeline crossing
605.8	2040	9.4	Foreign pipeline crossing
605.8	8751	0	Horizontal bend
605.8	8752	3.6	Horizontal bend
605.9	7121	3.9	Cut and fill
606.1	7120	0	Cut and fill
606.3	7119	35.9	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
606.4	7116	44.3	Cut and fill
606.4	7115	27.7	Cut and fill
606.4	7114	0	Cut and fill
606.4	7113	0	Cut and fill
606.4	4034	0	Thrucut storage
606.5	8749	0	Horizontal bend
606.7	7112	0	Cut and fill
606.9	8748	0	Horizontal bend
607.5	7107	0	Cut and fill
608.1	8741	18.8	Horizontal bend
608.4	7105	0	Cut and fill
608.8	7104	0	Cut and fill
608.9	7103	0	Cut and fill
609.0	2051	0	Railroad crossing
609.0	2050	0	Railroad crossing
609.1	7099	46.2	Cut and fill
609.1	7098	0	Cut and fill
609.2	7097	0	Cut and fill
609.3	7093	0	Cut and fill
609.4	2610	0	Waterbody crossing
609.4	2770	0	Waterbody crossing
609.5	2611	0	Waterbody crossing
609.6	2612	0	Waterbody crossing
609.8	7092	0	Cut and fill
610.0	7089	29.8	Cut and fill
610.1	7087	0	Cut and fill
610.1	2613	0	Waterbody crossing
610.1	2614	0	Waterbody crossing
610.1	7086	0	Cut and fill
610.1	4264	0	Thrucut storage
610.6	7085	0	Cut and fill
611.1	7084	33.9	Cut and fill
611.1	7083	0	Cut and fill
611.3	7080	0	Cut and fill
611.4	7079	0	Cut and fill
611.5	7081	0	Cut and fill
611.6	7078	0	Cut and fill
611.6	7077	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
611.7	7076	0	Cut and fill
611.7	7075	23.2	Cut and fill
612.2	7066	0	Cut and fill
612.3	7062	0	Cut and fill
612.3	7063	20.6	Cut and fill
612.3	2583	0	Waterbody crossing
612.4	7061	42.5	Cut and fill
612.4	2582	32.0	Waterbody crossing
612.4	7060	47.9	Cut and fill
612.5	2595	46.9	Waterbody crossing
612.6	2321	0	Road crossing
612.7	4039	29.5	Thrucut storage
612.8	7053	0	Cut and fill
613.1	7054	0	Cut and fill
613.3	4040	25.2	Thrucut storage
613.5	4041	0	Thrucut storage
613.5	7044	0	Cut and fill
613.6	7043	0	Cut and fill
613.7	7042	0	Cut and fill
614.2	7041	0	Cut and fill
615.6	7027	0	Cut and fill
615.8	7025	4.7	Cut and fill
615.9	7024	0	Cut and fill
616.2	7023	19.5	Cut and fill
616.2	7022	0	Cut and fill
616.3	8722	<1	Horizontal bend
616.7	7015	0	Cut and fill
616.9	8720	0	Horizontal bend
617.0	7014	0	Cut and fill
618.6	6997	23.1	Cut and fill
619.1	6993	0	Cut and fill
619.2	6985	3.9	Cut and fill
619.3	8714	42.0	Horizontal bend
619.3	8715	30.2	Horizontal bend
619.3	6984	0	Cut and fill
619.3	6982	0	Cut and fill
619.4	8713	3.2	Horizontal bend
619.4	8712	6.3	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
619.7	6981	5.6	Cut and fill
620.4	6983	0	Cut and fill
621.4	2573	9.4	Waterbody crossing
621.4	6978	0	Cut and fill
621.4	6977	0	Cut and fill
621.5	6975	0	Cut and fill
621.5	6974	0	Cut and fill
621.6	6973	37.2	Cut and fill
622.4	6972	0	Cut and fill
623.0	6970	17.9	Cut and fill
623.1	6969	16.3	Cut and fill
623.1	6966	0	Cut and fill
623.1	6968	0	Cut and fill
623.1	6967	0	Cut and fill
623.1	6965	0	Cut and fill
623.2	6963	<1	Cut and fill
623.2	6964	6.7	Cut and fill
623.2	6962	0	Cut and fill
623.5	6961	0	Cut and fill
623.6	6954	0	Cut and fill
624.0	6947	0	Cut and fill
624.0	6945	0	Cut and fill
624.0	6946	49.9	Cut and fill
624.0	8701	0	Horizontal bend
624.0	8702	25.5	Horizontal bend
624.2	6943	0	Cut and fill
624.4	6939	16.9	Cut and fill
624.4	6940	0	Cut and fill
624.5	6938	0	Cut and fill
624.7	6937	0	Cut and fill
624.7	6936	35.9	Cut and fill
624.8	6934	9.6	Cut and fill
624.8	6935	0	Cut and fill
625.0	6931	37.8	Cut and fill
625.0	6932	0	Cut and fill
625.0	8700	23.9	Horizontal bend
625.0	4323	0	Timber decks
625.0	8699	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
625.0	6930	21.9	Cut and fill
625.0	2318	14.4	Road crossing
625.2	8698	0	Horizontal bend
625.2	6927	0	Cut and fill
625.3	6923	0	Cut and fill
625.3	6922	15.0	Cut and fill
625.3	6921	0	Cut and fill
625.4	6920	0	Cut and fill
627.1	6913	0	Cut and fill
628.2	6894	21.6	Cut and fill
628.3	4060	44.9	Thrucut storage
628.3	6892	0	Cut and fill
628.3	1998	6.6	Grading
628.4	6890	0	Cut and fill
628.5	6889	0	Cut and fill
628.6	6888	0	Cut and fill
629.5	6885	0	Cut and fill
630.0	6877	33.6	Cut and fill
630.1	8693	0	Horizontal bend
630.1	8692	0	Horizontal bend
630.1	2338	0	Road crossing
630.2	6871	16.5	Cut and fill
630.2	2326	0	Road crossing
630.2	6870	0	Cut and fill
630.3	8694	28.5	Horizontal bend
631.1	6873	0	Cut and fill
631.6	8687	0	Horizontal bend
631.6	2314	29.5	Road crossing
631.6	2315	49.0	Road crossing
631.6	6855	32.8	Cut and fill
631.6	2313	0	Road crossing
631.7	8685	38.1	Horizontal bend
632.2	6853	0	Cut and fill
632.7	6846	41.2	Cut and fill
632.8	6845	7.3	Cut and fill
632.9	6841	0	Cut and fill
633.0	4266	31.4	Thrucut storage
633.4	6840	9.4	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
634.0	6834	26.4	Cut and fill
634.1	6833	28.9	Cut and fill
634.1	6832	0	Cut and fill
635.2	6823	0	Cut and fill
638.2	6801	0	Cut and fill
638.2	8670	40.1	Horizontal bend
638.5	2563	23.5	Waterbody crossing
638.6	6798	0	Cut and fill
638.9	6796	0	Cut and fill
639.8	6783	0	Cut and fill
640.8	2527	43.0	Waterbody crossing
640.8	2526	23.7	Waterbody crossing
640.8	6767	45.9	Cut and fill
640.9	6764	0	Cut and fill
640.9	2524	0	Waterbody crossing
640.9	2525	0	Waterbody crossing
641.0	6763	25.4	Cut and fill
641.3	6765	0	Cut and fill
642.2	6755	3.1	Cut and fill
642.3	6754	0	Cut and fill
642.3	6753	0	Cut and fill
642.3	8659	0	Horizontal bend
642.3	8660	0	Horizontal bend
642.6	6752	17.3	Cut and fill
642.6	6750	0	Cut and fill
642.6	4073	39.3	Thrucut storage
642.6	6751	0	Cut and fill
642.7	2604	44.7	Waterbody crossing
644.1	6736	16.7	Cut and fill
644.1	6734	45.6	Cut and fill
644.2	6732	0	Cut and fill
644.3	6733	0	Cut and fill
644.3	6731	0	Cut and fill
644.4	6729	0	Cut and fill
644.4	6728	7.7	Cut and fill
645.9	6730	0	Cut and fill
646.6	6722	0	Cut and fill
646.7	6723	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
647.0	6713	42.1	Cut and fill
647.0	6718	0	Cut and fill
647.2	6710	47.1	Cut and fill
647.2	6709	0	Cut and fill
647.3	6708	13.7	Cut and fill
647.3	6706	28.4	Cut and fill
647.4	6704	0	Cut and fill
647.4	6703	17.6	Cut and fill
647.4	6707	0	Cut and fill
647.4	8650	7.5	Horizontal bend
647.5	8651	0	Horizontal bend
647.5	6701	33.6	Cut and fill
647.5	6702	0	Cut and fill
647.6	6700	0	Cut and fill
647.8	6699	0	Cut and fill
647.8	8649	8.5	Horizontal bend
647.8	5088	0	Thrucut storage
647.9	4319	0	Timber decks
647.9	6693	0	Cut and fill
648.0	6692	0	Cut and fill
648.7	8641	0	Horizontal bend
648.7	8642	0	Horizontal bend
648.8	6682	0	Cut and fill
651.2	8635	0	Horizontal bend
651.3	6658	0	Cut and fill
651.3	8633	0	Horizontal bend
651.4	8634	47.4	Horizontal bend
651.5	6657	0	Cut and fill
652.0	6649	49.8	Cut and fill
652.0	6648	0	Cut and fill
652.2	6646	19.3	Cut and fill
652.2	6645	0	Cut and fill
652.2	6644	0	Cut and fill
652.3	8630	0	Horizontal bend
652.3	8629	0	Horizontal bend
652.8	6643	0	Cut and fill
653.0	2616	0	Waterbody crossing
653.2	2617	0	Waterbody crossing



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
653.3	6635	17.6	Cut and fill
654.8	6615	37.4	Cut and fill
654.8	6614	0	Cut and fill
655.1	2619	0	Waterbody crossing
655.1	2618	0	Waterbody crossing
655.2	2620	42.5	Waterbody crossing
655.2	2621	0	Waterbody crossing
655.4	6610	14.7	Cut and fill
655.9	6604	0	Cut and fill
656.0	8617	46.4	Horizontal bend
656.0	8618	45.6	Horizontal bend
656.1	6603	0	Cut and fill
656.2	6602	43.9	Cut and fill
656.4	6597	0	Cut and fill
656.6	6595	0	Cut and fill
658.2	2559	0	Waterbody crossing
658.2	4076	0	Thrucut storage
658.3	2558	0	Waterbody crossing
658.3	2557	0	Waterbody crossing
658.4	6579	36.5	Cut and fill
658.5	6578	0	Cut and fill
658.6	6577	16.2	Cut and fill
658.6	6576	25.7	Cut and fill
658.6	6575	44.2	Cut and fill
658.8	6574	0	Cut and fill
659.1	2532	21.6	Waterbody crossing
659.2	6573	0	Cut and fill
659.3	6572	45.8	Cut and fill
659.6	6570	0	Cut and fill
659.9	6568	0	Cut and fill
660.1	2555	0	Waterbody crossing
660.1	6563	10.6	Cut and fill
660.2	6562	19.2	Cut and fill
660.6	8604	0	Horizontal bend
660.6	6561	0	Cut and fill
660.6	8603	0	Horizontal bend
661.0	6556	0	Cut and fill
661.1	6554	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
661.2	6553	0	Cut and fill
661.3	2623	0	Waterbody crossing
661.3	2622	32.2	Waterbody crossing
661.3	6552	0	Cut and fill
661.3	2624	0	Waterbody crossing
661.4	6551	23.2	Cut and fill
661.4	2625	7.3	Waterbody crossing
661.4	6549	0	Cut and fill
662.1	8596	11.1	Horizontal bend
662.5	6540	0	Cut and fill
662.5	4083	0	Thrucut storage
662.6	8595	0	Horizontal bend
662.6	8594	40.9	Horizontal bend
662.6	6539	0	Cut and fill
662.7	6538	0	Cut and fill
662.8	6537	1.1	Cut and fill
663.0	6535	27.3	Cut and fill
663.1	6534	0	Cut and fill
663.1	4084	0	Thrucut storage
663.5	6527	46.2	Cut and fill
663.6	2554	0	Waterbody crossing
663.7	2553	0	Waterbody crossing
664.0	6524	0	Cut and fill
664.8	6520	0	Cut and fill
666.4	6512	22.7	Cut and fill
666.5	2551	30.3	Waterbody crossing
666.5	2550	0	Waterbody crossing
666.6	2549	4.7	Waterbody crossing
666.7	8581	28.8	Horizontal bend
666.7	8580	0	Horizontal bend
666.7	6510	0	Cut and fill
666.9	6506	0	Cut and fill
667.0	8579	32.3	Horizontal bend
667.4	6504	22.2	Cut and fill
667.4	6503	44.1	Cut and fill
667.5	6502	41.7	Cut and fill
667.5	6501	0	Cut and fill
667.6	6500	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
667.7	6499	0	Cut and fill
667.7	6498	0	Cut and fill
667.8	6497	0	Cut and fill
667.8	6496	9.4	Cut and fill
668.2	2548	0	Waterbody crossing
668.2	6495	0	Cut and fill
668.2	2547	0	Waterbody crossing
668.3	2546	0	Waterbody crossing
669.9	2518	0	Waterbody crossing
669.9	6484	18.9	Cut and fill
670.0	2517	0	Waterbody crossing
670.1	4087	9.0	Thrucut storage
670.2	2601	0	Waterbody crossing
670.3	8574	0	Horizontal bend
670.3	8573	0	Horizontal bend
671.4	8569	42.1	Horizontal bend
671.5	6476	34.3	Cut and fill
671.5	8570	0	Horizontal bend
671.7	6475	37.7	Cut and fill
671.8	6474	0	Cut and fill
672.2	2516	31.7	Waterbody crossing
672.3	2513	0	Waterbody crossing
672.3	2514	0	Waterbody crossing
672.4	6468	0	Cut and fill
672.8	6465	0	Cut and fill
673.6	6461	35.9	Cut and fill
673.9	6460	31.1	Cut and fill
673.9	8563	41.0	Horizontal bend
674.6	8562	0	Horizontal bend
675.4	8561	16.3	Horizontal bend
675.4	6455	0	Cut and fill
675.7	6454	0	Cut and fill
675.8	8560	0	Horizontal bend
675.9	6453	0	Cut and fill
676.1	8559	38.4	Horizontal bend
676.1	6452	46.2	Cut and fill
676.1	6451	0	Cut and fill
676.3	8558	14.4	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
676.3	6450	19.4	Cut and fill
676.7	6445	0	Cut and fill
676.7	4093	13.8	Thrucut storage
676.7	8557	42.3	Horizontal bend
678.0	2543	0	Waterbody crossing
678.0	6428	42.6	Cut and fill
678.1	2541	0	Waterbody crossing
678.1	6427	0	Cut and fill
678.2	8555	0	Horizontal bend
678.3	6426	26.8	Cut and fill
678.4	6424	31.0	Cut and fill
678.4	8554	45.1	Horizontal bend
678.4	2512	48.6	Waterbody crossing
678.4	2511	0	Waterbody crossing
678.5	2510	0	Waterbody crossing
678.5	2509	0	Waterbody crossing
679.4	8551	0	Horizontal bend
679.6	8550	0	Horizontal bend
679.7	6421	0	Cut and fill
680.1	8548	0	Horizontal bend
680.2	6419	0	Cut and fill
680.5	6417	22.3	Cut and fill
681.2	6415	0	Cut and fill
681.6	8543	31.1	Horizontal bend
681.6	2728	0	Waterbody crossing
681.7	2727	0	Waterbody crossing
681.8	8542	32.2	Horizontal bend
682.1	8541	42.6	Horizontal bend
682.4	6410	0	Cut and fill
682.5	6409	0	Cut and fill
682.7	8539	0	Horizontal bend
682.8	8538	0	Horizontal bend
683.0	8537	0	Horizontal bend
683.1	8536	0	Horizontal bend
683.3	6408	5.8	Cut and fill
683.4	6407	26.1	Cut and fill
683.5	6406	40.9	Cut and fill
683.7	8534	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
683.8	6405	0	Cut and fill
683.8	6404	32.6	Cut and fill
683.8	6403	0	Cut and fill
683.9	6402	0	Cut and fill
684.0	6401	0	Cut and fill
684.2	8533	9.4	Horizontal bend
684.2	6400	0	Cut and fill
684.3	6399	0	Cut and fill
684.3	8531	0	Horizontal bend
684.4	6398	0	Cut and fill
684.6	6397	35.3	Cut and fill
684.7	6396	0	Cut and fill
684.8	8530	0	Horizontal bend
684.8	6395	0	Cut and fill
685.0	8528	0	Horizontal bend
685.1	6393	32.5	Cut and fill
686.0	8527	0	Horizontal bend
686.0	6387	0	Cut and fill
686.1	6386	0	Cut and fill
686.3	6385	28.1	Cut and fill
686.4	6384	0	Cut and fill
686.5	6383	0	Cut and fill
686.7	6382	6.1	Cut and fill
687.0	6379	15.9	Cut and fill
687.1	6378	0	Cut and fill
687.4	6377	0	Cut and fill
688.3	6374	1.5	Cut and fill
689.0	6373	0	Cut and fill
690.3	8525	0	Horizontal bend
691.0	8523	0	Horizontal bend
692.0	8522	0	Horizontal bend
692.2	8521	45.9	Horizontal bend
692.5	8520	0	Horizontal bend
704.8	3844	0	Waterbody crossing
704.9	2627	0	Waterbody crossing
704.9	2023	0	Trenchless crossing
705.0	8510	0	Horizontal bend
705.0	8509	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
705.0	2024	0	Trenchless crossing
705.1	6314	0	Cut and fill
706.0	6306	24.2	Cut and fill
706.2	6303	44.8	Cut and fill
706.2	6302	30.0	Cut and fill
706.6	2632	46.9	Waterbody crossing
706.7	2633	0	Waterbody crossing
706.8	2634	33.8	Waterbody crossing
707.0	2636	1.3	Waterbody crossing
707.1	6301	0	Cut and fill
707.1	2637	0	Waterbody crossing
707.1	2638	45.2	Waterbody crossing
707.7	5047	0	Waterbody crossing
708.0	6299	0	Cut and fill
708.6	8499	35.2	Horizontal bend
708.8	6296	0	Cut and fill
708.9	6295	21.5	Cut and fill
710.1	1996	0	Grading
710.1	6290	0	Cut and fill
710.2	6289	0	Cut and fill
710.2	1995	43.0	Grading
710.3	1994	0	Grading
711.1	8495	0	Horizontal bend
711.3	6287	15.4	Cut and fill
712.4	8491	0	Horizontal bend
713.8	6271	0	Cut and fill
714.3	6270	0	Cut and fill
714.5	6268	14.8	Cut and fill
714.9	6262	0	Cut and fill
716.0	2506	0	Waterbody crossing
716.1	2507	0	Waterbody crossing
716.2	8485	0	Horizontal bend
716.2	8486	0	Horizontal bend
716.8	8483	0	Horizontal bend
716.8	8484	0	Horizontal bend
717.6	6252	0	Cut and fill
717.9	6247	0	Cut and fill
718.4	6246	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
718.5	6245	28.0	Cut and fill
720.0	6228	0	Cut and fill
720.3	2523	0	Waterbody crossing
720.3	4121	0	Thrucut storage
720.4	2599	0	Waterbody crossing
720.5	2522	0	Waterbody crossing
720.8	4123	46.2	Thrucut storage
720.9	2597	0	Waterbody crossing
720.9	2596	0	Waterbody crossing
721.1	4124	13.5	Thrucut storage
721.4	6223	24.6	Cut and fill
721.4	8480	0	Horizontal bend
721.4	6225	0	Cut and fill
721.6	6222	23.3	Cut and fill
721.6	6221	<1	Cut and fill
721.7	6219	0	Cut and fill
721.7	6218	0	Cut and fill
721.8	6217	0	Cut and fill
721.8	6216	1.8	Cut and fill
721.9	6213	0	Cut and fill
722.0	6211	45.6	Cut and fill
722.0	6212	0	Cut and fill
722.1	6209	30.5	Cut and fill
722.2	6208	0	Cut and fill
722.2	4127	0	Thrucut storage
722.2	6206	0	Cut and fill
722.3	6205	26.4	Cut and fill
722.4	6203	0	Cut and fill
722.5	6202	0	Cut and fill
722.6	6201	0	Cut and fill
722.7	6200	0	Cut and fill
722.7	6199	3.5	Cut and fill
722.8	6198	0	Cut and fill
723.0	6207	0	Cut and fill
724.6	6179	26.4	Cut and fill
724.6	6175	44.5	Cut and fill
724.8	6176	0	Cut and fill
724.8	6174	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
725.7	2639	0	Waterbody crossing
725.7	2642	0	Waterbody crossing
725.8	4276	15.7	Thrucut storage
726.6	6173	14.0	Cut and fill
727.5	6167	0	Cut and fill
727.6	2645	0	Waterbody crossing
727.9	2644	0	Waterbody crossing
727.9	6165	8.3	Cut and fill
728.1	6164	0	Cut and fill
728.2	6160	0	Cut and fill
728.3	6159	35.8	Cut and fill
728.5	6161	14.2	Cut and fill
728.9	6151	10.4	Cut and fill
730.9	4142	0	Thrucut storage
730.9	2602	0	Waterbody crossing
731.1	4143	0	Thrucut storage
731.3	6141	0	Cut and fill
731.7	4144	24.9	Thrucut storage
731.9	8459	40.9	Horizontal bend
732.1	6140	0	Cut and fill
732.5	6135	37.8	Cut and fill
732.7	2734	0	Waterbody crossing
732.8	2732	0	Waterbody crossing
732.8	6134	0	Cut and fill
732.9	4145	0	Thrucut storage
732.9	2733	0	Waterbody crossing
732.9	3840	0	Waterbody crossing
733.2	6133	0	Cut and fill
733.4	6132	0	Cut and fill
733.9	6131	0	Cut and fill
734.1	2738	0	Waterbody crossing
734.1	2735	14.4	Waterbody crossing
734.2	2736	33.2	Waterbody crossing
734.2	2737	0	Waterbody crossing
734.5	6128	0	Cut and fill
734.8	6126	35.6	Cut and fill
734.8	8454	20.6	Horizontal bend
734.9	8455	0	Horizontal bend



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
735.1	2741	0	Waterbody crossing
735.1	2742	0	Waterbody crossing
735.2	2740	0	Waterbody crossing
735.2	6125	0	Cut and fill
735.2	6124	36.1	Cut and fill
735.2	6123	37.3	Cut and fill
735.3	6122	0	Cut and fill
735.4	6121	0	Cut and fill
735.6	6119	29.1	Cut and fill
735.6	6118	12.1	Cut and fill
735.8	6117	4.8	Cut and fill
735.8	6120	0	Cut and fill
736.0	2649	0	Waterbody crossing
736.1	2648	0	Waterbody crossing
736.1	6112	0	Cut and fill
736.1	6111	6.6	Cut and fill
736.1	6110	0	Cut and fill
736.2	6109	0	Cut and fill
736.5	6113	0	Cut and fill
736.9	6108	0	Cut and fill
736.9	2755	0	Waterbody crossing
737.0	2747	0	Waterbody crossing
737.0	6107	0	Cut and fill
737.0	2744	0	Waterbody crossing
737.0	2751	0	Waterbody crossing
737.0	6106	0	Cut and fill
737.3	6103	0	Cut and fill
737.3	2756	0	Waterbody crossing
737.4	2746	<1	Waterbody crossing
738.1	6102	0	Cut and fill
738.2	6101	0	Cut and fill
738.2	6100	0	Cut and fill
738.4	6099	0	Cut and fill
738.4	6098	0	Cut and fill
738.4	6097	0	Cut and fill
738.4	8448	0	Horizontal bend
738.4	8449	0	Horizontal bend
738.5	6096	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
738.6	6095	0	Cut and fill
738.6	8446	0	Horizontal bend
738.6	8447	0	Horizontal bend
738.7	6094	0	Cut and fill
738.8	6093	0	Cut and fill
739.0	6092	0	Cut and fill
739.2	6091	0	Cut and fill
739.7	2650	0	Waterbody crossing
739.7	2651	0	Waterbody crossing
739.8	2653	0	Waterbody crossing
739.8	6083	0	Cut and fill
739.8	2652	0	Waterbody crossing
739.8	8441	0	Horizontal bend
739.8	8440	0	Horizontal bend
740.0	6084	0	Cut and fill
740.1	8444	0	Horizontal bend
740.1	6087	0	Cut and fill
740.1	8442	0	Horizontal bend
740.1	2760	0	Waterbody crossing
740.1	6088	0	Cut and fill
740.2	2757	0	Waterbody crossing
740.2	2759	0	Waterbody crossing
740.4	2655	13.1	Waterbody crossing
740.5	8443	0	Horizontal bend
740.5	2657	34.6	Waterbody crossing
740.6	6086	0	Cut and fill
740.8	2659	0	Waterbody crossing
740.8	2661	40.1	Waterbody crossing
740.9	2665	30.8	Waterbody crossing
740.9	2663	38.3	Waterbody crossing
741.0	2660	22.5	Waterbody crossing
741.3	2667	12.1	Waterbody crossing
741.3	2668	23.4	Waterbody crossing
741.3	6078	6.0	Cut and fill
741.4	2670	20.8	Waterbody crossing
741.4	2669	0	Waterbody crossing
742.1	6079	0	Cut and fill
742.8	8437	0	Horizontal bend

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
742.8	8438	0	Horizontal bend
742.8	6077	0	Cut and fill
742.9	6076	0	Cut and fill
742.9	6075	0	Cut and fill
742.9	6074	0	Cut and fill
743.1	6073	0	Cut and fill
743.1	6072	0	Cut and fill
743.2	1979	0	Fault crossing
743.2	1978	0	Fault crossing
743.2	6071	0	Cut and fill
743.3	6070	0	Cut and fill
743.3	6069	0	Cut and fill
743.4	8435	2.7	Horizontal bend
743.4	8436	0	Horizontal bend
743.4	6068	0	Cut and fill
743.5	4278	0	Thrucut storage
743.5	2673	0	Waterbody crossing
743.5	6066	28.1	Cut and fill
743.5	6067	0	Cut and fill
743.5	2672	0	Waterbody crossing
743.5	6065	0	Cut and fill
743.6	6064	0	Cut and fill
743.7	6062	20.2	Cut and fill
743.7	6063	18.1	Cut and fill
744.0	6056	49.8	Cut and fill
744.0	6055	0	Cut and fill
744.0	2674	8.8	Waterbody crossing
744.1	6054	0	Cut and fill
744.1	2675	0	Waterbody crossing
744.1	2771	36.2	Waterbody crossing
744.2	6053	0	Cut and fill
744.4	6049	0	Cut and fill
744.4	6048	0	Cut and fill
744.4	6047	0	Cut and fill
744.5	6046	0	Cut and fill
744.5	6045	0	Cut and fill
744.6	6044	0	Cut and fill
744.6	6050	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
744.8	6043	0	Cut and fill
745.5	2680	27.2	Waterbody crossing
745.8	2764	28.8	Waterbody crossing
745.8	6034	0	Cut and fill
745.8	2765	0	Waterbody crossing
745.8	6032	0	Cut and fill
745.8	6029	0	Cut and fill
745.9	6028	35.0	Cut and fill
745.9	6030	31.0	Cut and fill
746.0	6022	0	Cut and fill
746.0	6021	0	Cut and fill
746.1	6020	13.8	Cut and fill
746.1	6019	0	Cut and fill
746.1	6018	0	Cut and fill
746.2	6017	0	Cut and fill
746.2	6016	0	Cut and fill
746.2	6015	0	Cut and fill
746.3	6031	0	Cut and fill
746.5	8432	45.6	Horizontal bend
746.7	2681	0	Waterbody crossing
746.8	2682	44.4	Waterbody crossing
746.8	2684	31.6	Waterbody crossing
746.9	8431	10.9	Horizontal bend
747.0	6009	31.6	Cut and fill
747.1	6014	0	Cut and fill
747.2	6008	0	Cut and fill
747.2	2038	0	Foreign pipeline crossing
747.2	2039	0	Foreign pipeline crossing
747.3	2037	0	Foreign pipeline crossing
747.3	6007	48.4	Cut and fill
747.3	6006	0	Cut and fill
747.4	6004	0	Cut and fill
747.4	2685	0	Waterbody crossing
747.4	2686	0	Waterbody crossing
747.4	6003	0	Cut and fill
747.4	2688	0	Waterbody crossing
747.5	2687	0	Waterbody crossing
747.5	6002	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
747.6	6001	12.6	Cut and fill
747.7	6000	31.2	Cut and fill
747.7	5998	0	Cut and fill
747.8	5997	27.9	Cut and fill
747.9	5996	0	Cut and fill
748.0	5995	0	Cut and fill
748.0	5994	0	Cut and fill
748.1	5993	45.3	Cut and fill
748.1	6005	0	Cut and fill
748.4	2689	48.6	Waterbody crossing
748.4	2692	0	Waterbody crossing
748.6	2691	36.8	Waterbody crossing
748.6	2690	43.6	Waterbody crossing
748.7	5985	0	Cut and fill
748.8	5984	0	Cut and fill
748.9	5983	0	Cut and fill
748.9	5986	0	Cut and fill
749.3	5577	0	Road crossing
749.3	5982	0	Cut and fill
749.3	5980	0	Cut and fill
749.4	5979	32.9	Cut and fill
749.4	5981	0	Cut and fill
749.5	5978	45.0	Cut and fill
749.7	3832	0	Waterbody crossing
749.7	3833	0	Waterbody crossing
749.7	5976	0	Cut and fill
749.7	5975	0	Cut and fill
749.8	5974	0	Cut and fill
749.8	5973	0	Cut and fill
749.8	5972	22.4	Cut and fill
749.9	5977	0	Cut and fill
750.0	2695	0	Waterbody crossing
750.0	2696	0	Waterbody crossing
750.1	2698	38.1	Waterbody crossing
750.3	5967	0	Cut and fill
750.3	5966	0	Cut and fill
750.5	5970	0	Cut and fill
751.1	5965	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
751.2	5964	19.6	Cut and fill
751.2	5963	0	Cut and fill
751.3	2703	34.3	Waterbody crossing
751.5	5961	0	Cut and fill
751.6	2707	0	Waterbody crossing
751.7	5959	0	Cut and fill
751.7	2710	20.3	Waterbody crossing
751.7	2709	0	Waterbody crossing
751.9	5958	0	Cut and fill
752.2	2768	42.1	Waterbody crossing
752.4	5955	0	Cut and fill
752.6	2711	0	Waterbody crossing
752.6	2712	0	Waterbody crossing
752.9	5946	0	Cut and fill
753.2	5950	0	Cut and fill
753.5	5939	0	Cut and fill
754.0	5938	0	Cut and fill
754.0	2718	0	Waterbody crossing
754.1	2715	41.8	Waterbody crossing
754.1	5930	0	Cut and fill
754.9	5925	11.6	Cut and fill
755.0	5923	0	Cut and fill
755.0	5922	0	Cut and fill
755.1	5921	0	Cut and fill
755.2	5916	28.1	Cut and fill
755.2	5915	11.1	Cut and fill
755.3	5918	0	Cut and fill
755.5	5912	0	Cut and fill
755.5	8422	0	Horizontal bend
755.6	5909	0	Cut and fill
755.6	5908	40.1	Cut and fill
755.8	5910	0	Cut and fill
756.0	5904	0	Cut and fill
756.1	5903	49.4	Cut and fill
756.2	5902	0	Cut and fill
756.2	5901	29.7	Cut and fill
756.3	5900	0	Cut and fill
756.3	5899	0	Cut and fill

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
756.3	5898	26.6	Cut and fill
756.4	5896	0	Cut and fill
756.4	5897	0	Cut and fill
756.5	8420	43.6	Horizontal bend
756.5	8419	16.5	Horizontal bend
756.6	2722	0	Waterbody crossing
756.7	2721	0	Waterbody crossing
756.9	8418	0	Horizontal bend
756.9	5890	0	Cut and fill
756.9	8416	0	Horizontal bend
756.9	8417	0	Horizontal bend
757.0	5889	0	Cut and fill
757.1	2029	0	Trenchless crossing
757.1	2030	0	Trenchless crossing
757.1	4282	0	Thrucut storage
757.3	2032	0	Trenchless crossing
757.3	2031	0	Trenchless crossing
758.6	5880	34.5	Cut and fill
758.7	5879	14.0	Cut and fill
758.7	2337	0	Road crossing
759.3	5878	29.6	Cut and fill
759.5	5865	9.0	Cut and fill
761.0	5847	36.3	Cut and fill
761.2	5846	36.9	Cut and fill
761.5	5845	0	Cut and fill
762.2	5848	0	Cut and fill
762.3	5843	0	Cut and fill
762.4	8401	4.9	Horizontal bend
762.4	8402	0	Horizontal bend
762.4	5841	0	Cut and fill
762.5	5840	0	Cut and fill
762.6	8400	0	Horizontal bend
762.6	5839	23.7	Cut and fill
762.7	5838	0	Cut and fill
762.9	5834	9.9	Cut and fill
762.9	8396	4.9	Horizontal bend
762.9	5837	17.3	Cut and fill
763.0	2782	24.8	Waterbody crossing

TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
763.0	5832	49.8	Cut and fill
763.0	5051	26.3	Waterbody crossing
763.1	2784	0	Waterbody crossing
763.1	2783	0	Waterbody crossing
763.2	5829	0	Cut and fill
763.3	5827	3.5	Cut and fill
763.4	5826	0	Cut and fill
763.4	5825	24.1	Cut and fill
763.7	5828	0	Cut and fill
764.0	4153	0	Thrucut storage
764.0	2786	0	Waterbody crossing
764.0	5814	0	Cut and fill
764.1	5813	0	Cut and fill
764.1	5812	0	Cut and fill
764.2	5810	38.3	Cut and fill
764.2	5811	0	Cut and fill
764.4	5804	0	Cut and fill
764.5	5809	0	Cut and fill
764.5	5803	0	Cut and fill
764.5	5802	0	Cut and fill
764.6	5801	0	Cut and fill
764.6	5800	0	Cut and fill
764.7	5799	0	Cut and fill
764.7	5798	0	Cut and fill
764.9	5797	0	Cut and fill
765.3	8386	0	Horizontal bend
765.5	8385	12.6	Horizontal bend
765.5	5795	0	Cut and fill
765.7	8383	46.2	Horizontal bend
765.9	2364	48.5	Road crossing
766.0	9946	28.4	Cook Inlet crossing onshore
766.2	4334	0	Cook Inlet crossing onshore
766.2	9947	0	Cook Inlet crossing onshore
793.2	4332	0	Cook Inlet crossing onshore
793.2	4333	0	Cook Inlet crossing onshore
794.8	8371	42.4	Horizontal bend
794.8	5762	0	Cut and fill
794.9	5761	0	Cut and fill



TABLE I-1 (cont'd)

**Additional Temporary Workspaces Within 50 Feet of Waterbodies and Wetlands**

Approximate Milepost	Additional Temporary Workspace ID <sup>a</sup>	Distance to Waterbody / Wetland (feet) <sup>b</sup>	Workspace Justification <sup>c</sup>
795.0	5766	0	Cut and fill
795.8	5748	25.3	Cut and fill
795.9	5753	0	Cut and fill
796.3	8361	30.9	Horizontal bend
796.4	5738	0	Cut and fill
796.4	8359	<1	Horizontal bend
796.8	5733	27.4	Cut and fill
798.0	2776	0	Waterbody crossing
798.2	5714	1.5	Cut and fill
798.3	5713	0	Cut and fill
799.0	5704	30.1	Cut and fill
800.3	5682	0	Cut and fill
800.4	5683	0	Cut and fill
800.8	5675	0	Cut and fill
800.8	8334	32.2	Horizontal bend
800.8	8333	0	Horizontal bend
800.8	5677	44.7	Cut and fill
801.1	5671	0	Cut and fill
801.3	5662	0	Cut and fill
804.5	2361	12.5	Road crossing
804.5	5627	0	Cut and fill
804.5	2375	1.2	Road crossing
804.8	8320	16.0	Horizontal bend

AGDC = Alaska Gasline Development Company; DNPP = Denali National Park and Preserve; GIS = Geographic Information System; ID = identification

Note: The Project would cross the DNPP from milepost 537.1 to 543.1. Data for additional temporary workspaces from MP 536.1 to 544.3 was obtained from AGDC's online GIS feature layer dated November 20, 2019 (AGDC, 2019).

<sup>a</sup> Additional temporary workspace IDs match those listed in appendix C of the EIS.

<sup>b</sup> Distances of 0 feet indicate that the additional temporary workspace is within a waterbody or wetland.

<sup>c</sup> Workspace justifications are discussed in section 2.0 of the EIS.

TABLE I-2

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
<b>Kuparuk River Sub-watershed (HUC8)</b>																	
3.2	WPC001-B	Putuligayuk River <sup>1</sup>	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. <sup>o</sup>	No	None
9.0	WPC004.1	Unnamed Stream	Minor	PN	50	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
13.7	WPC008.01	Pond	Minor	O	400	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
13.8	WPC008.02	Pond	Minor	O	150	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
14.1	WPC008.03	Pond	Minor	O	250	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
14.3	WPC008.04	Pond	Minor	O	240	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
14.4	WPC008.05	Pond	Minor	O	300	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
14.5	WPC008.06	Pond	Minor	O	170	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
15.6	WPC008.07	Pond	Minor	O	270	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
15.8	WPC008.08	Pond	Minor	O	180	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
15.9	WPC008.09	Pond	Minor	O	110	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
16.1	WPC008.10	Pond	Minor	O	270	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
16.3	WPC008.11	Pond	Minor	O	180	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
16.4	WPC008.12	Pond	Minor	O	80	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
16.7	WPC008.13	Pond	Minor	O	480	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
16.8	WPC008.14	Pond	Minor	O	180	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
17.6	WPC008.15	Pond	Minor	O	60	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
17.7	WPC008.16	Pond	Minor	O	160	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
18.6	WPC008.17	Pond	Minor	O	260	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
67.4	WBC001	Unnamed Tributary to Toolik River	Minor	PN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
128.2	WPC041	Unnamed Tributary to Toolik River	Minor	IN	5	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	AC, GR (TAPS)	None	No	No	None
128.6	WPC042-B	Toolik River <sup>j</sup>	Minor	PN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	AC, GR (TAPS)	None	No	No	None
129.3	WPC043-B	East Fork Kuparuk River	Minor	PN	8	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	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 <sup>j</sup>	Minor	IN	7	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
132.7	WPC044.2	Unnamed Stream	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
136.4	WPC044.3	Terry Creek	Minor	IN	10	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	AC?, GR	None	No	No	None
136.8	WPC046	Mack Creek	Minor	PN	5	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	AC?, GR (TAPS)	None	No	No	None
137.2	WPC047	Ed Creek	Minor	PN	5	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	No collection effort	AC, GR, LT? (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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
<b>Sagavanirktok River Sub-watershed (HUC8)</b>																	
21.4	WPC008.18	Unnamed Tributary To Sagavanirktok River	Minor	IN	10	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None
35.6	WPC013	Pond	Minor	IN	200	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None
39.7	WPC013.01 1	Sylvia Creek No. 1 <sup>j</sup>	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
39.9	WPC013.01 2	Sylvia Creek No. 2 <sup>j</sup>	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
40.4	WPC013.01 3	Sylvia Creek No. 3 <sup>j</sup>	Minor	IN	60	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
41.6	WPC013.02	Pond	Minor <sup>k</sup>	IN	420	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
41.8	WPC013.02 1	Sagavanirktok River Side Channel	Minor <sup>k</sup>	IN	155	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
42.8	WPC013.02 2	Unnamed Tributary to Sagavanirktok River	Minor <sup>k</sup>	IN	120	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
44.1	WPC013.02 <sub>3</sub>	Pond	Minor	O	150	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None
74.8	WPC019	Mark Creek No. 1	Intermediate	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
76.8	WPC020	Mark Creek No. 2 <sup>l</sup>	Intermediate	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 <sup>l</sup>	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

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
79.9	WBC002	Unnamed Tributary	Minor	PN	6	6	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk.	No	None
80.3	WPC022.1	Pond	Intermediate	O	190	20	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None
85.5	WPC025-C	Unnamed Tributary to Sagavanirktok River <sup>j</sup>	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. <sup>o</sup>	No	None
87.2	WPC025.1	Unnamed Stream	Intermediate	IN	70	25	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None
88.3	WPC026-C	Unnamed Tributary to Sagavanirktok River <sup>j</sup>	Minor	PN	10	8	Wet-Ditch Open-Cut	Summer	Yes	330-00-10360-2380	DVp	ND	DV (ADFG)	None	Unk.	Unk.	5,8
90.3	WPC026.2	Unnamed Stream	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk.	Unk.	5,8

00 I-1

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
90.3	WPC027-B	Dan Creek <sup>j</sup>	Intermediate	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	Intermediate	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 <sup>j</sup>	Intermediate	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 <sup>j</sup>	Intermediate	PN	18	13	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	DV (AECOM)	None	No	No	None
101.6	WPC030	Gustafson Gulch <sup>j</sup>	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. <sup>o</sup>	No	None
103.3	WPC032	Unnamed Tributary to Sagavanirktok River	Intermediate	IN	11	11	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
103.8	WPC033	Polygon Creek <sup>j</sup>	Intermediate	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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	Intermediate	PN	29	24	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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	Intermediate	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	Intermediate	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. <sup>o</sup>	No	None
108.6	WPC039	Oksrukuyik Creek No. 1 <sup>j</sup>	Intermediate	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. <sup>o</sup>	No	None
115.5	WPC039.2-C	Unnamed Tributary to Sagavanirktok River	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None



TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
121.6	WPC040	Oksrukuyik Creek No. 2 <sup>j</sup>	Minor	PN	20	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
124.5	WPC040.06	Unnamed Stream	Minor	IN	7	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
126.1	WPC040.1	Unnamed Tributary to Sagavanirktok River	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
141.8	WPC049	Tributary to Galbraith Lake	Minor	IN	6	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
142.6	WPC050	Tributary to Galbraith Lake	Minor	IN	5	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
143.2	WPC051	Tributary to Galbraith Lake	Minor	IN	15	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
144.6	WBC005	Tributary to Galbraith Lake	Minor	IN	0	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk.	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
146.9	WPC053	Unnamed Tributary to Tee Lake Outlet	Minor	IN	12	0	Frozen-Cut <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
146.9	WPC054	Tributary to Tee Lake Inlet	Minor	IN	16	0	Frozen-Cut <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
148.1	WPC055	Tee Lake Inlet	Minor	IN	7	0	Frozen-Cut <sup>j</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
148.4	WPC056	Tee Lake Inlet	Minor	IN	4	0	Frozen-Cut <sup>j</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
148.8	WPC057	Holden Creek <sup>j</sup>	Minor	PN	90	0	Frozen-Cut <sup>j</sup>	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 <sup>j</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
151.1	WPC058	Roche Mountonnee Creek <sup>j</sup>	Minor	IN	38	0	Frozen-Cut <sup>j</sup>	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 <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
153.4	WPC058.01	Unnamed Tributary to Atigun River	Minor	IN	8	0	Frozen-Cut <sup>j</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
153.8	WPC059	Unnamed Stream	Minor	IN	24	0	Frozen-Cut <sup>j</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
154.3	WPC059.1	Unnamed Tributary to Atigun River	Minor	IN	7	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
155.4	WPC060	Waterhole Creek	Minor	PN	12	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
155.6	WPC061	Unnamed Stream	Minor	IN	15	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
156.5	WPC063	Unnamed Tributary to Tyler Creek	Minor	IN	6	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	No fish collected or observed	ND	None	No	No	None
157.5	WPC063.1	Tyler Creek <sup>j</sup>	Minor	PN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	Arctic grayling	GR (ADFG) CN, GR, RW (TAPS)	None	Unk.	No	None
157.5	WPC063.2	Tyler Creek <sup>j</sup>	Minor	IN	8	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	GR (ADFG) CN, GR, RW (TAPS)	None	No	No	None
157.6	WPC063.3	Tyler Creek <sup>j</sup>	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	GR (ADFG) CN, GR, RW (TAPS)	None	No	No	None
157.7	WPC064	Trevor Creek <sup>j</sup>	Minor	IN	490	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	Winter	No	None	N/A	Arctic grayling	GR (AECOM) GR (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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
158.2	WPC064.2	Unnamed Tributary to Atigun River	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
158.5	WPC064.3	Unnamed Tributary to Atigun River	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
158.6	WPC064.4	Unnamed Stream	Minor	IN	8	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
159.2	WPC064.45	Unnamed Tributary to Atigun River	Minor	IN	35	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
160.6	WPC064.5	Unnamed Stream	Minor	IN	8	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
160.8	WPC065	Unnamed Tributary to Who Creek	Minor	IN	102	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
162.0	WPC066.01	Unnamed Stream	Minor	IN	5	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
162.1	WPC066.02	Unnamed Tributary to Atigun River	Minor	IN	13	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
162.4	WPC067	Unnamed Tributary to Atigun River	Minor	IN	305	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
162.5	WPC068	Unnamed Tributary to Atigun River	Minor	IN	210	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
163.0	WPC068.1	Unnamed Tributary to Atigun River	Minor <sup>k</sup>	IN	525	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
163.4	WPC069	Unnamed Tributary to Atigun River	Minor	IN	6	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
163.8	WPC070	Unnamed Tributary to Atigun River	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
164.1	WPC071	Unnamed Tributary to Atigun River	Minor	IN	8	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
164.2	WPC071.1	Unnamed Tributary to Atigun River	Minor	IN	7	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
165.0	WPC072	Unnamed Tributary to Atigun River	Minor	IN	6	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
165.2	WPC073	Unnamed Tributary to Atigun River	Minor	IN	29	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
165.4	WPC074	Unnamed Tributary to Atigun River	Minor	IN	270	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
165.6	WPC074.1	Unnamed Tributary to Atigun River <sup>l</sup>	Minor	IN	20	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
165.6	WPC075	Unnamed Tributary to Atigun River <sup>j</sup>	Minor	IN	200	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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
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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	8

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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. <sup>o</sup>	No	None
<b>Lower Colville Sub-watershed (HUC8)</b>																	
137.7	WPC048-B	Jill Creek	Minor	IN	8	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	AC?, GR (TAPS)	None	No	No	None
<b>Middle Fork-North Fork Chandalar Rivers Sub-watershed (HUC8)</b>																	
171.1	WPC082.3	Unnamed Stream	Inter-mediate	IN	50	45	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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. °	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. °	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. °	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. °	No	None
175.9	WPC089.5	Unnamed Stream	Minor	IN	9	6	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. °	No	None
<b>Upper Koyukuk River Sub-watershed (HUC8)</b>																	
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 <sup>j</sup>	Minor	PNM	695	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	GR, CN (AECOM)	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
181.3	WPC098-C	Dietrich River No. 2	Minor	PNM	4800	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	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. <sup>o</sup>	No	None
183.6	WPC100	Unnamed Tributary to Dietrich River	Intermediate	IN	16	11	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
183.8	WPC101	Unnamed Tributary to Dietrich River	Intermediate	IN	19	14	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None
185.5	WPC103.1	Unnamed Stream	Minor	IN	5	5	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
187.6	WPC104	Nutirwik Creek	Intermediate	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	Intermediate	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

TABLE I-2 (cont'd)																		
Waterbodies Crossed by the Mainline Pipeline Centerline																		
Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>	
188.9	WPC106	Unnamed Tributary to Dietrich River	Intermediate	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	Intermediate	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	Intermediate	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	Intermediate	PN	30	25	Dry-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None	
190.0	WPC110	Unnamed Tributary to Dietrich River	Intermediate	IN	17	12	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None	
195.1	WPC113	Steep Creek <sup>j</sup>	Intermediate	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. <sup>o</sup>	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. <sup>o</sup>	No	None	
197.8	WPC114	Unnamed Tributary to Dietrich River <sup>j</sup>	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None	

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
199.1	WPC115	Unnamed Tributary to Dietrich River	Intermediate	PNM	23	18	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. °	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. °	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. °	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. °	No	None
201.8	WPC118	Snowden Creek <sup>j</sup>	Intermediate	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. °	No	None
202.6	WPC119	Unnamed Tributary to Dietrich River	Intermediate	IN	22	17	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. °	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. °	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. °	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. °	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
204.8	WPC122	Disaster Creek	Intermediate	PN	92	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	CN, GR (TAPS)	None	No	No	None
206.8	WBC008	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	Intermediate	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 <sup>1</sup>	Intermediate	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 <sup>1</sup>	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	Eva Creek	Minor	PN	0	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk.	No	None
210.7	WPC126.1	Unnamed Stream	Minor	IN	9	0	Frozen-Cut <sup>1</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
211.1	WPC127	Middle Fork Koyukuk River	Major	PNM	2080	280	DMT	Summer	No <sup>n</sup>	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 <sup>l</sup>	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 <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
218.5	WPC130	Linda Creek	Minor	PN	30	0	Frozen-Cut <sup>l</sup>	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 <sup>j</sup>	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 <sup>l</sup>	Winter	Yes	None	N/A	No fish collected or observed	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
219.9	WPC133-B	Sheep Creek	Minor	PN	375	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
220.3	WBC010	Wolf Pup Creek	Minor	IN	9	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	No	none
221.1	WPC135-B	Nugget Creek	Minor	PN	9	0	Frozen-Cut <sup>l</sup>	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	Over Creek	Minor	IN	12	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk.	No	None
223.2	WPC136	Over Creek	Minor	IN	12	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
223.6	WPC137	Rainbow Gulch	Minor	IN	10	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
224.3	WBC012	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	0	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk.	No	None
224.9	WPC138	Coon Gulch	Minor	IN	20	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
225.0	WPC138.1	Coon Gulch	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	Arctic grayling; Slimy sculpin	ND	None	Unk.	No	None
225.9	WPC139	Montana Gulch	Minor	IN	25	5	Dry-Ditch Open-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
226.2	WPC139.1	Unnamed Stream	Minor	IN	5	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
227.0	WPC140	Bluff Gulch	Minor	IN	9	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
229.1	WPC141	Minnie Creek <sup>j</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None
231.9	WBC013	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	7	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk.	No	None
233.1	WPC144	Dry Gulch	Minor	IN	8	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None
234.3	WPC145.1	Unnamed Stream	Minor	IN	8	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
234.7	WBC014	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	7	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk.	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. <sup>o</sup>	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
236.5	WPC148	Marion Creek <sup>j</sup>	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	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	7	0	Frozen-Cut	Winter	No	None	N/A	ND	ND	None	Unk.	No	None
239.8	WPC150	Clara Creek <sup>j</sup>	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



TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
241.0	WPC151	Slate Creek No. 1 <sup>j</sup>	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 <sup>j</sup>	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 <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
246.8	WPC155	South Fork Rosie Creek	Minor	IN	8	0	Frozen-Cut <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
247.9	WPC156	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	12	0	Frozen-Cut <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
248.0	WPC157	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	9	0	Frozen-Cut <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
248.2	WPC157.1	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	5	0	Frozen-Cut <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
249.2	WPC157.12	Unnamed Tributary to Middle Fork Koyukuk River	Minor	IN	10	0	Frozen-Cut <sup>j</sup>	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 <sup>j</sup>	Minor	PN	10	0	Frozen-Cut <sup>j</sup>	Winter	Yes	None	N/A	ND	GR, CN (ADFG) CN, GR, KS, RW (TAPS)	None	No	No	None
249.4	WPC158	Jackson Slough <sup>j</sup>	Minor	IN	15	0	Frozen-Cut <sup>j</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
250.6	WPC159-C	Trent's Trickle	Minor	IN	8	0	Frozen-Cut <sup>j</sup>	Winter	Yes	None	N/A	Arctic grayling	GR (AECOM) GR (ADFG) CN, GR, NP? (TAPS)	None	Unk.	No	None
251.8	WBC017	Ninety-Six Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk.	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. <sup>o</sup>	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 <sup>j</sup>	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
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. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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
<b>South Fork Koyukuk River Sub-watershed (HUC8)</b>																	
258.7	WPC162.1	Unnamed Stream	Minor	IN	8	8	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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. <sup>o</sup>	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. <sup>o</sup>	No	None
265.5	WPC166	Grayling Creek	Intermediate	IN	20	15	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None
266.9	WPC167	Grayling Creek	Minor	PN	6	6	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
267.6	WBC019	Unnamed Tributary to Grayling Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk.	No	None
268.2	WPC168	Unnamed Tributary to Grayling Creek	Intermediate	IN	19	14	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
268.7	WBC019	Unnamed Tributary to Grayling Creek	Minor	IN	9	9	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk.	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. <sup>o</sup>	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. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
272.5	WPC170	Jim River <sup>j</sup>	Intermediate	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	Intermediate	PN	50	20	Wet-Ditch Open-Cut	Summer	No	None	N/A	Chinook salmon; Arctic grayling; Slimy sculpin	K, CN, Unk. (AECOM) CH, K, GR, CN (ADFG)	CHp	Unk.	No	5
273.0	WBC022	Unnamed Tributary to Jim River	Minor	PN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk.	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. °	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. °	No	None
274.8	WPC171	Douglas Creek <sup>j</sup>	Intermediate	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. °	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
278.2	WBC023	Unnamed Tributary to Jim River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk.	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. <sup>o</sup>	No	None
279.2	WBC024	Unnamed Tributary to Jim River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk.	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 <sup>j</sup>	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. <sup>o</sup>	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
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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
288.5	WPC178	North Fork Bonanza Creek <sub>j</sub>	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 <sub>j</sub>	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 <sub>j</sub>	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

TABLE I-2 (cont'd)																	
Waterbodies Crossed by the Mainline Pipeline Centerline																	
Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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, GR, RW? (TAPS)	None	Unk.	No	None
<b>Kanuti River Sub-watershed (HUC8)</b>																	
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. °	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. °	No	None
307.1	WPC189	Kanuti River <sup>j</sup>	Intermediate	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



TABLE I-2 (cont'd)																	
Waterbodies Crossed by the Mainline Pipeline Centerline																	
Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
<b>Yukon Flats-Yukon River Sub-watershed (HUC8)</b>																	
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. °	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. °	No	None
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. °	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. °	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	Unnamed Tributary to West Fork Dall River	Minor	IN	7	4	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk.	No	None
322.1	WPC199	South Branch West Fork Dall River <sup>j</sup>	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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. °	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. °	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. °	No	None
<b>Ramparts-Yukon River Sub-watershed (HUC8)</b>																	
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. °	No	None
327.3	WPC202.1	Unnamed Tributary to North Fork Ray River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. °	No	None
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. °	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

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
334.1	WPC205	North Fork Ray River <sup>j</sup>	Intermediate	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	Unnamed Tributary to North Fork Ray River	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk.	No	None
337.6	WPC207	Unnamed Tributary to North Fork Ray River <sup>j</sup>	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 <sup>j</sup>	Intermediate	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. <sup>o</sup>	No	None
344.8	WPC211	Unnamed Tributary to Ray River	Intermediate	IN	16	11	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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. <sup>o</sup>	No	None
349.2	WPC214	Phelps Creek	Minor	IN	12	0	Frozen-Cut <sup>l</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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 <sup>l</sup>	Major	PN	2400	2000	DMT	Summer	No <sup>n</sup>	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. <sup>o</sup>	No	None
364.7	WPC218	Unnamed Tributary to Isom Creek	Intermediate	IN	12	12	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
365.9	WPC219	Unnamed Stream	Intermediate	IN	36	12	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. °	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. °	No	None
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. °	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. °	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. °	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. °	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. °	No	None
375.5	WPC227	Unnamed Stream	Minor	IN	7	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
376.6	WPC228	Unnamed Tributary to Hess Creek	Minor	IN	9	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
377.0	WPC228.1	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None
378.1	WPC229.1	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
380.1	WPC229.2	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
380.4	WPC229.3	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
380.4	WPC229.4	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
380.6	WPC229.5	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
381.6	WPC230	Hess Creek Side Channel <sup>j</sup>	Minor	PN	35	8	Dry-Ditch Open-Cut <sup>m</sup>	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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 <sup>j</sup>	Minor	IN	13	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
385.8	WPC232.1	Erickson Creek No. 1 <sup>j</sup>	Intermediate	PN	50	25	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR, CN (ADFG) CN?, GR, LS (TAPS)	None	No	No	None
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. <sup>o</sup>	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. <sup>o</sup>	No	None
387.9	WPC232.4	Erickson Creek No. 2 <sup>j</sup>	Intermediate	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>	
<b>Tolovana River Sub-watershed (HUC8)</b>																		
395.7	WPC234	Lost Creek <sup>j</sup>	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 <sup>j</sup>	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	
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. <sup>o</sup>	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	



TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
405.9	WPC239.1	Unnamed Tributary to Tolovana River	Minor	PN	8	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. °	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. °	No	None
426.8	WBC034	Unnamed Tributary to Tatalina River	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	No	None
430.5	WPC259	Tatalina River <sup>j</sup>	Inter-mediate	PN	91	20	Dry-Ditch Open-Cut	Winter	No	None	N/A	ND	ND	None	Unk. °	No	None
431.0	WBC035	Unnamed Tributary to Tatalina River	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	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. °	No	None
432.8	WPC262	Washington Creek <sup>j</sup>	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	Unnamed Tributary to Washington Creek	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
433.9	WBC036.1	Unnamed Tributary to Washington Creek	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	No	None
434.5	WBC036.2	Unnamed Tributary to Washington Creek	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	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
439.3	WPC264	Chatanika River Oxbow	Minor	O	200	10	Dry-Ditch Open-Cut <sup>m</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
439.6	WPC264.1	Unnamed Stream	Minor	PN	9	0	Frozen-Cut <sup>l</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
444.0	WPC268	Unnamed Tributary to Goldstream Creek	Minor	IN	15	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
445.3	WPC269.5	Unnamed Tributary to Minto Lakes	Minor	IN	16	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
446.4	WPC270	Unnamed Tributary to Goldstream Creek	Minor	IN	7	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	No collection effort	ND	None	No	No	None
447.2	WBC038	Unnamed Tributary to Goldstream Creek	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	No	None
447.8	WBC038.1	Unnamed Tributary to Goldstream Creek	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	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. <sup>o</sup>	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. <sup>o</sup>	No	None
450.5	WPC273	Unnamed Tributary to Goldstream Creek	Minor	IN	10	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
<b>Nenana River Sub-watershed (HUC8)</b>																	
474.3	WPC276.1	Unnamed Stream <sup>j</sup>	Minor	IN	60	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
476.0	WPC279-B	Nenana River No. 1 <sup>j</sup>	Major	PN	350	180	Dry-Ditch Open-Cut <sup>m</sup>	Winter	Yes	334-40-11000-2490-3200	CHp, COp, Kp	ND	CH, CO, K (ADFG)	CHp, COp, Kp	Yes	CH,C O	5,7,8
478.5	WPC280	Unnamed Stream	Minor	IN	32	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None
485.5	WPC281	Unnamed Tributary to Nenana River	Minor	PN	25	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None
489.2	WPC282	Nenana River No. 2	Intermediate	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,C O	5,7,8
494.9	WBC042	Unnamed Stream	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
502.1	WPC285.2	Unnamed Stream	Minor	IN	5	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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	334-40-11000-2490-3200-4220-5005	CHs, COs	No collection effort	CO (ADFG)	CHs, COs	Yes	CH, CO	3,5,8
506.7	WPC287.05	Unnamed Tributary to Nenana River	Minor	IN	30	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
521.0	WPC291	Panguingue Creek <sup>j</sup>	Intermediate	PN	20	15	Dry-Ditch Open-Cut	Summer	Yes	334-40-11000-2490-3200-4075	COsr	No collection effort	CO (ADFG)	COsr	Yes	CH,C O	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. <sup>o</sup>	No	None
525.9	WPC293	Dry Creek <sup>j</sup>	Minor	IN	35	0	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
527.9	WBC044	Unnamed Stream	Minor	PN	6	4	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk.	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
531.9	WPC295.1	Manmade Ditch	Minor	IN	10	0	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
532.1	WPC296-B	Nenana River No. 3 <sup>j</sup>	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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 <sup>j</sup>	Intermediate	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
536.1	WPC521	Junco Creek	Minor	PN	8	8	Wet-Ditch Open-Cut	Winter <sup>p</sup>	Yes	None	N/A	No collection effort	ND	None	No	No	None
536.9	WPC522	Kingfisher Creek	Minor	PN	8	8	Wet-Ditch Open-Cut	Winter <sup>p</sup>	Yes	None	N/A	No collection effort	ND	None	No	No	None
537.1	WPC523	Nenana River No. 5	Major	PN	300	230	Existing Aerial Span	Winter <sup>p</sup>	Yes	None	N/A	No collection effort	ND	None	No	No	None
537.9	WPC524	Riley Creek <sup>j</sup>	Intermediate	PN	140	50	Wet-Ditch Open-Cut	Winter <sup>p</sup>	Yes	None	N/A	No collection effort	ND	None	No	No	None
543.1	WPC525	Nenana River No. 6 <sup>j</sup>	Major	PN	280	230	Wet-Ditch Open-Cut	Winter <sup>p</sup>	Yes	None	N/A	No collection effort	ND	None	No	No	None
551.4	WPC311	Carlo Creek	Intermediate	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)	Intermediate	O	50	90	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	No	None



TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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 <sup>j</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None
564.6	WPC322	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
566.9	WPC323	Jack River <sup>j</sup>	Inter-mediate	PN	190	80	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Slimy sculpin	BB (AECOM) CN (ADFG)	None	Unk.	No	None
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. <sup>o</sup>	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. <sup>o</sup>	No	None
568.8	WPC324	Unnamed Tributary to Cantwell Creek <sup>j</sup>	Inter-mediate	PN	20	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	Slimy sculpin	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
577.8	WPC325	Unnamed Tributary to Cantwell Creek	Intermediate	IN	190	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	GR (AECOM)	None	No	No	None
<b>Chulitna River Sub-watershed (HUC8)</b>																	
582.9	WPC327	Tsaani Creek <sup>j</sup>	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. <sup>o</sup>	No	None
586.3	WPC328	Middle Fork Chulitna River <sup>j</sup>	Intermediate	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 <sup>j</sup>	Intermediate	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. <sup>o</sup>	No	None
593.8	WPC331	Hardage Creek <sup>j</sup>	Minor	PN	15	10	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3260-4020	Kr	Chinook salmon; Slimy sculpin	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
594.2	WPC332-C	Unnamed Tributary to East Fork Chulitna River <sup>j</sup>	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	Intermediate	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 <sup>j</sup>	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 <sup>j</sup>	Intermediate	PN	8	15	Dry-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. °	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 <sup>j</sup>	Intermediate	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. °	No	None
606.9	WPC340-B	Granite Creek (South) <sup>j</sup>	Intermediate	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. °	No	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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 <sup>j</sup>	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 <sup>j</sup>	Minor	PN	30	8	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3234	CHp, COp, 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 <sup>j</sup>	Minor	PN	8	8	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3232-4020	COp	No collection effort	ND	COp	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. <sup>o</sup>	No	None
634.2	WPC347	Byers Creek <sup>j</sup>	Intermediate	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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
638.0	WPC348	Unnamed Tributary to Chulitna River	Minor	PN	8	8	Dry-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3150	CO <sub>r</sub> , P <sub>p</sub>	No collection effort	CO, P, RB, CN (AECOM) CO, P (ADFG)	CO <sub>r</sub> , P <sub>p</sub>	Unk.	CH	4,5
638.4	WPC348.1	Unnamed Stream	Minor	IN	5	5	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
640.8	WPC349	Troublesome Creek <sup>j</sup>	Intermediate	PN	370	50	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3130	CH <sub>s</sub> , CO <sub>s</sub> , K <sub>s</sub> , P <sub>s</sub>	No collection effort	CH, CO, K, P (ADFG)	CH <sub>s</sub> , CO <sub>s</sub> , K <sub>s</sub> , P <sub>s</sub>	Yes	CH, CO, K, P	3,8
641.8	WPC350	Chulitna River	Major	PNM	1980	1830	DMT	Summer	No <sup>n</sup>	247-41-10200-2381	CH <sub>s</sub> , CO <sub>p</sub> , K <sub>p</sub> , P <sub>p</sub> , S <sub>p</sub>	ND	CH, CO, K, P, S (ADFG)	CH <sub>s</sub> , CO <sub>p</sub> , K <sub>p</sub> , P <sub>p</sub> , S <sub>p</sub>	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 <sup>j</sup>	Minor	PN	9	5	Wet-Ditch Open-Cut	Summer	Yes	247-41-10200-2381-3073	CO <sub>s</sub> , P <sub>s</sub>	No collection effort	CO, P (ADFG)	CO <sub>s</sub> , P <sub>s</sub>	Yes	CO, P	3,5,8
652.2	WBC050	Unnamed Tributary to Chulitna River	Minor	PN	8	6	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk.	Unk.	None

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
653.1	WPC354	Unnamed Tributary to Chulitna River <sup>j</sup>	Intermediate	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 <sup>j</sup>	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	247-41-10200-2381-3007	COp	Threespine stickleback; Slimy sculpin	CO, 3S, CN (ADFG)	COp	Unk.	Unk.	5,8
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	Intermediate	IN	11	11	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
660.1	WPC358	Unnamed Tributary to Chulitna River	Intermediate	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

TABLE I-2 (cont'd)																	
Waterbodies Crossed by the Mainline Pipeline Centerline																	
Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
<b>Lower Susitna River Sub-watershed (HUC8)</b>																	
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 <sup>j</sup>	Intermediate	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 <sup>j</sup>	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
670.0	WPC364	Sawmill Creek <sup>j</sup>	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

TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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 <sup>j</sup>	Minor	PN	15	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2291-3011	CO <sub>r</sub> , Kr	Chinook salmon; coho salmon; stickleback- unspecified; lamprey- unspecified	CO, 3S, nS, LP (ADFG)	CH <sub>p</sub> , CO <sub>r</sub> , Kr	Unk.	CO <sub>r</sub> , Kr	4,8
676.8	WBC053	Unnamed Tributary to Queer Creek	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	ND	None
678.1	WPC367.03	Unnamed Stream	Minor	IN	11	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	ND	None
678.5	WPC368	Unnamed Tributary of Queer Creek	Minor	IN	20	0	Frozen-Cut	Winter	Yes	247-41-10200-2291-3011	CO <sub>r</sub>	ND	CO, 3S (AECOM) CO (ADFG)	CO <sub>r</sub>	Unk.	CO <sub>r</sub>	4,5
681.7	WPC368.3	Unnamed Stream	Minor	IN	28	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None



TABLE I-2 (cont'd)

Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
682.1	WPC368.6	Unnamed Stream	Minor	IN	7	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None
683.7	WBC054	Unnamed Tributary to Trapper Creek	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	No	None
704.7	WPC373-B	Deshka River <sup>j</sup>	Major	PN	275	220	DMT	Summer	No <sup>n</sup>	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
706.3	WPC373.2	Unnamed Tributary of Deshka River <sup>j</sup>	Minor	PN	9	0	Frozen-Cut <sup>l</sup>	Winter	Yes	247-41-10200-2081-3035-4008	CO <sub>r</sub>	ND	CO, RB, CN (AECOM)	CO <sub>r</sub>	Unk.	CO <sub>r</sub>	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. <sup>o</sup>	CO <sub>r</sub> , Kr	4
707.0	WPC373.4	Unnamed Stream	Minor	IN	12	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	CO <sub>r</sub>	4
707.7	WPC373.5	Unnamed Tributary of Deshka River <sup>j</sup>	Minor	PN	15	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2081-3035	CO <sub>r</sub> , Kr	ND	CO, K (ADFG)	CO <sub>r</sub> , Kr	Unk.	CO <sub>r</sub> , Kr	4,8
709.1	WPC373.6	Unnamed Tributary of Deshka River	Minor	PN	10	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	ND	None
714.2	WBC055	Unnamed Tributary to Kroto Slough	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	ND	None
716.0	WPC374	Unnamed Tributary to Kroto Slough <sup>j</sup>	Minor	PN	18	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	9
720.4	WPC375	Fish Creek No. 2 <sup>j</sup>	Intermediate	PN	225	90	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2053-3020-4015	CO <sub>r</sub> , Kpr, Sp	ND	CO, K (ADFG)	CO <sub>r</sub> , Kpr, Sp	Unk.	K, CO	4,5,8,9

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
722.9	WPC526	Unnamed Stream	Minor	PN	7	7	Dry-Ditch Open-Cut <sup>m</sup>	Winter	Yes	247-41-10200-2051	CO <sub>r</sub>	ND	ND	CO <sub>r</sub>	Unk.	CO <sub>r</sub>	4
722.9	WBC056	Unnamed Tributary to Susitna River	Minor	PN	0	0	Frozen-Cut	Winter	Yes	None	N/A	ND	ND	None	Unk.	ND	None
724.9	WPC527	Unnamed Tributary to Anderson Creek	Minor	IN	7	7	Dry-Ditch Open-Cut <sup>m</sup>	Winter	No	247-41-10200-2043-3018	CO <sub>r</sub>	ND	ND	CO <sub>r</sub>	Unk.	CO <sub>r</sub>	4
725.7	WPC377	Anderson Creek <sup>j</sup>	Minor	PN	200	5	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2043	CO <sub>o</sub> , P <sub>p</sub>	ND	CO, P (ADFG)	CO <sub>o</sub> , P <sub>p</sub>	Unk.	Unk.	5,8,9
727.8	WPC378	Alexander Creek <sup>j</sup>	Inter-mediate	PN	200	50	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2015	CH <sub>p</sub> , CO <sub>r</sub> , K <sub>p</sub> , P <sub>p</sub> , Sp	ND	CH, CO, K, P, S (ADFG)	CH <sub>p</sub> , CO <sub>r</sub> , K <sub>p</sub> , P <sub>p</sub> , 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 <sup>m</sup>	Winter	No	247-41-10200-2015-3021	CO <sub>r</sub>	ND	ND	CO <sub>r</sub>	Unk.	CO <sub>r</sub>	4
729.4	WPC379	Unnamed Tributary to Alexander Creek	Minor	IN	8	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	CO <sub>r</sub>	4

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
730.8	WPC380	Pierce Creek	Minor <sup>k</sup>	PN	15	0	Frozen-Cut <sup>l</sup>	Winter	Yes	247-41-10200-2015-3019	CO <sub>r</sub>	ND	CO, DV, RB (AECOM) CO (ADFG)	CO <sub>r</sub>	Unk.	Kr	4,8
732.8	WPC380.1	Granite Creek (North Fork) <sup>j</sup>	Minor <sup>k</sup>	PN	25	8	Dry-Ditch Open-Cut	Winter	No	247-41-10200-2015-3017	CO <sub>s</sub> , Sr	ND	CO (ADFG)	CO <sub>s</sub> , Sr	Yes	Kr	3,4,8
734.2	WPC382-C	Granite Creek (South Fork) <sup>j</sup>	Minor <sup>k</sup>	PN	12	0	Dry-Ditch Open-Cut	Winter	Yes	247-41-10200-2015-3017-4021	CO <sub>s</sub> , Sr	ND	K, DV, RB (AECOM)	CO <sub>s</sub> , Sr	Yes	CO <sub>r</sub>	3,4,8
735.1	WPC382.002	Unnamed Stream	Minor	IN	5	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	4
736.0	WPC382.01	Unnamed Stream	Minor <sup>k</sup>	IN	15	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	4
737.1	WPC382.016	Unnamed Stream	Minor	IN	30	0	Frozen-Cut <sup>l</sup>	Winter	No	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	4
737.2	WPC382.017	Unnamed Stream	Minor	IN	18	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	DV (AECOM)	None	No	No	4
737.4	WPC382.018	Unnamed Stream	Minor	IN	13	0	Frozen-Cut <sup>l</sup>	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 <sup>l</sup>	Winter	Yes	None	N/A	ND	CN, WF (AECOM)	None	No	No	4

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
740.2	WPC382.04-C	Unnamed Tributary to Ivan River	Minor	IN	11	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	Unk. (AECOM)	None	No	No	4
740.4	WPC382.04-2	Unnamed Tributary to Ivan River	Minor	IN	16	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	4
740.5	WPC382.04-4	Unnamed Tributary to Ivan River	Minor	IN	15	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	4
740.9	WPC382.05-C	Unnamed Tributary to Ivan River	Minor	PN	10	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	4
741.1	WPC382.05-2	Tributary to Ivan River	Minor	PN	7	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	WF (AECOM)	None	No	No	4
741.4	WPC382.05-4	Unnamed Tributary to Ivan River	Minor	PN	14	0	Frozen-Cut <sup>l</sup>	Winter	Yes	None	N/A	ND	WF (AECOM)	None	No	No	4
743.5	WPC382.05-6	Unnamed Tributary to Ivan River	Minor	PN	51	0	Frozen-Cut <sup>l</sup>	Winter	Yes	247-30-10010-2023	Kr	ND	ND	None	Unk.	No	3,4,8
744.1	WPC382.06-C	Tributary to Ivan River	Minor	PN	28	0	Frozen-Cut <sup>l</sup>	Winter	Yes	247-30-10010-2023	Kr	ND	9S, Si, WF (AECOM)	Kr	Unk.	CO <sup>r</sup>	4,5,8
745.4	WPC382.07-C	Lewis River Floodplain A <sup>j</sup>	Minor	PN	35	0	Dry-Ditch Open-Cut <sup>m</sup>	Winter	Yes	247-30-10070	CO <sup>r</sup> , Ksr, Pp	ND	K (ADFG)	CO <sup>r</sup> , Ksr, Pp	Yes	Kr	2,3,4,5,9
745.6	WPC386-C	Tributary of Lewis River <sup>j</sup>	Minor	PN	120	10	Dry-Ditch Open-Cut <sup>m</sup>	Winter	Yes	None	N/A	ND	K (ADFG)	None	No	No	4

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
745.7	WPC386.1-C	Unnamed Tributary of Lewis River (Floodplain B) <sup>j</sup>	Minor <sup>k</sup>	PN	35	0	Frozen-Cut <sup>l</sup>	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. <sup>o</sup>	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
<b>Yentna River Sub-watershed (HUC8)</b>																	
720.9	WPC376	Yentna River	Major	PN	1360	400	Dry-Ditch Open-Cut <sup>m</sup>	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,C O	1,3,4,5,6,7,8,9
<b>Redoubt-Trading Bay Sub-watershed (HUC8)</b>																	
748.5	WPC387-C	Theodore River <sup>j</sup>	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
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

TABLE I-2 (cont'd)

## Waterbodies Crossed by the Mainline Pipeline Centerline

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
750.8	WPC388.01-C	Unnamed Stream	Minor	IN	8	6	Wet-Ditch Open-Cut	Summer	Yes	247-30-10090-2010-3015-4006	CO <sub>r</sub>	ND	CO, DV (AECOM)	CO <sub>r</sub>	Unk.	CO <sub>r</sub>	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	CO <sub>r</sub>	ND	CO, DV (AECOM)	CO <sub>r</sub>	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	CO <sub>r</sub>	ND	CO, DV (AECOM)	CO <sub>r</sub>	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	CO <sub>p</sub> , Ksr, Ps, Sp	ND	K, P (ADFG)	CO <sub>p</sub> , Ksr, Ps, Sp	Yes	CO <sub>r</sub>	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	CO <sub>p</sub> , Kp, Ps, Sp	ND	CO, K, P, S (ADFG)	CO <sub>p</sub> , Kp, Ps, Sp	Yes	CO <sub>r</sub>	3,5,8
754.1	WPC388.1	Olson Creek <sup>j</sup>	Inter-mediate	PN	105	30	Dry-Ditch Open-Cut	Summer	Yes	247-30-10090-2020	CO <sub>sr</sub> , Ksr	ND	CO, K, P (ADFG)	CO <sub>sr</sub> , Ksr	Yes	CO <sub>r</sub>	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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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. <sup>o</sup>	No	4
757.2	WPC389-C	Beluga River	Major	PN	520	120	Dry-Ditch Open-Cut <sup>m</sup>	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 <sup>j</sup>	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
<b>Redoubt-Trading Bay and Upper Kenai Peninsula Sub-watersheds (HUC8)</b>																	
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
<b>Upper Kenai Peninsula Sub-watershed (HUC8)</b>																	
793.5	WPC391.5	Unnamed Stream	Minor	IN	15	8	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	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. <sup>o</sup>	No	None



TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
804.5	WPC415	Unnamed Stream	Minor	IN	20	7	Wet-Ditch Open-Cut	Summer	Yes	None	N/A	ND	ND	None	Unk. <sup>o</sup>	No	None

Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018 (ADEC, 2018d), 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 was used for analysis.

The Project would cross the DNPP from milepost 537.1 to 543.1.

AWC = Anadromous Waters Catalog; DMT= directional micro-tunneling; FERC = Federal Energy Regulatory Commission; ft = feet; N/A = Not applicable; ND = No data; Unk. = Unknown

<sup>a</sup> 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.

<sup>b</sup> Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD; USGS, 2019e) and LiDAR imagery (ADNR DGGs, 2018). Perennial = PN; Perennial – Multiple = PNM; Intermittent = IN; and Pond/Open Water = O.

<sup>c</sup> 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.

<sup>d</sup> Anadromous Waters Catalog (AWC) Species and Life Stage Codes below:

**AWC Species and Life Stage Codes**

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

TABLE I-2 (cont'd)

**Waterbodies Crossed by the Mainline Pipeline Centerline**

Milepost	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Over-wintering	Spawning Upstream <sup>h</sup>	Special Fisheries Concerns <sup>i</sup>
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<sup>e</sup> Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (ADF&G, 2018a).

<sup>f</sup> 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	: <i>Dallia pectoralis</i>
AC	= Arctic char	: <i>Salvelinus alpinus</i>
AL	= Arctic lamprey	: <i>Lampetra japonica</i>
AS	= American shad	: <i>Alosa sapidissima</i>
BB	= Burbot	: <i>Lota lota</i>
BC	= Bering cisco	: <i>Coregonus laurettae</i>
BL	= American brook lamprey	: <i>Lampetra sp.</i>
BW	= Broad whitefish	: <i>Coregonus nasus</i>
CA	= Arctic cisco	: <i>Coregonus autumnalis</i>
CD	= Sculpin	: <i>Family Cottidae</i>
CI	= Cisco	: <i>Coregonus sp.</i>
CN	= Slimy sculpin	: <i>Cottus cognatus</i>
CS	= Least cisco	: <i>Coregonus sardinella</i>
CT	= Cutthroat trout	: <i>Oncorhynchus clarkii</i>
DS	= Dog (Chum) salmon	: <i>Oncorhynchus keta</i>
DV	= Dolly varden	: <i>Salvelinus malma</i>
GR	= Grayling	: <i>Thymallus arcticus</i>
HO	= Pond Smelt	: <i>Hypomesus olidus</i>

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



TABLE I-3

## Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
<b>Canning River Sub-watershed (HUC8)</b>																
0.6	WPT001	C Creek	Minor	IN	10	0	Aerial Span	Winter	None	ND	Ninespine stickleback	9S, nS (AECOM) 9S (ADFG)	None	Unk.	No	None
<b>Mikkelsen Bay Sub-watershed (HUC8)</b>																
1.4	WPT003	Pond	Minor	O	90	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
1.7	WPT003.1	Pond	Minor	O	55	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
1.7	WPT003.2	Unnamed Stream	Minor	IN	35	0	Aerial Span	Winter	None	ND	ND	9S, Unk. (AECOM)	None	Unk.	No	None
1.9	WPT006	D Creek	Minor	PN	15	0	Aerial Span	Winter	330-00-10246	DVr	ND	DV, S9 <sup>k</sup>	None	Unk.	DVr	4
2.9	WPT014	East E Creek	Minor	IN	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
3.0	WPT014.1	E Creek	Minor	PN	70	0	Aerial Span	Winter	None	ND	ND	DV, S9 <sup>k</sup>	None	Unk. <sup>j</sup>	No	None
3.5	WPT016	18A Creek	Minor	PN	70	0	Aerial Span	Winter	None	ND	ND	nS (AECOM) 9S (ADFG)	None	Unk.	No	None
3.6	WPT017	Pond	Minor	O	10	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
3.7	WPT019	Pond	Minor	O	75	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
4.5	WPT022-B	F Creek	Minor	PN	20	0	Aerial Span	Winter	None	ND	ND	DV, S9 <sup>k</sup>	None	Unk. <sup>j</sup>	No	None
5.8	WPT024	G Creek	Minor	PN	40	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	None

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
7.0	WPT032	H Creek	Minor	IN	55	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	None
8.2	WPT040	I Creek	Minor	PN	35	0	Aerial Span	Winter	None	ND	Ninespine stickleback	9S, nS (AECOM) 9S (ADFG)	None	Unk.	No	None
9.2	WPT043	J Creek	Minor	PN	40	0	Aerial Span	Winter	None	ND	ND	S9 <sup>k</sup>	None	Unk. <sup>j</sup>	No	None
10.6	WPT048	K Creek	Minor	PN	60	0	Aerial Span	Winter	None	ND	Ninespine stickleback	9S (AECOM) 9S (ADFG)	None	Unk.	No	None
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	None
15.1	WPT072	M Creek	Minor	PN	25	0	Aerial Span	Winter	None	ND	ND	S9 <sup>k</sup>	None	Unk.	No	None
16.0	WPT072.1	Pond	Minor	O	110	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
16.8	WPT073	O Creek	Minor	PN	20	0	Aerial Span	Winter	None	ND	ND	9S, Unk. (AECOM)	None	Unk.	No	None
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	None
20.4	WPT084-B	West Badami Creek	Minor	PN	130	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	None

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TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
22.2	WPT091-B	Unnamed Stream	Minor	IN	115	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	None
22.6	WPT091.1	Pond	Minor	O	85	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
23.3	WPT096	Pond	Minor	O	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
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	None
24.8	WPT106	Pond	Minor	O	270	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
24.9	WPT106.1	Pond	Minor	O	220	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
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	None
25.9	WPT110	Shaviovik River West	Minor	PN	500	0	Aerial Span	Winter	None	ND	ND	9S, nS (AECOM) 9S (ADFG)	None	Unk.	No	None
26.1	WPT113	Shaviovik River West	Minor	IN	140	0	Aerial Span	Winter	None	ND	Ninespine stickleback	ND	None	Unk.	No	None
26.5	WPT115	Unnamed Tributary to Shaviovik River	Minor	PN	200	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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) 9S, DV (ADFG)	None	Unk.	DVr	4
28.9	WPT118.01	Pond	Minor	O	820	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
29.4	WPT118.02	Pond	Minor	O	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
29.6	WPT118.1	Pond	Minor	O	90	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
29.7	WPT128-B	Unnamed Stream	Minor	IN	7	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	None
30.0	WPT128.05	Pond	Minor	O	200	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
30.1	WPT128.1	Pond	Minor	O	60	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
30.8	WPT128.3	Pond	Minor	O	115	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
31.2	WPT135	Pond	Minor	O	200	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
31.5	WPT135.1	Pond	Minor	O	175	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
31.7	WPT137	Unnamed Stream	Minor	IN	6	0	Aerial Span	Winter	None	ND	ND	9S (AECOM)	None	Unk.	No	None
32.0	WPT137.1	Pond	Minor	O	105	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
32.2	WPT137.2	Pond	Minor	O	8	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
32.3	WPT140	Unnamed Stream	Minor	IN	9	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
32.5	WPT140.5	Pond	Minor	O	205	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
32.5	WPT141	Pond	Minor	O	105	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
33.0	WPT141.1	Pond	Minor	O	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
33.5	WPT141.3	Pond	Minor	O	50	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
33.8	WPT141.4	Pond	Minor	O	40	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
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	None
34.4	WPT148	Unnamed Tributary to Kadleroshilik River	Minor	IN	125	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
34.6	WPT149	Unnamed Tributary to Kadleroshilik River	Minor	IN	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None



TABLE I-3 (cont'd)

## Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
34.9	WPT150	Unnamed Tributary to Kadleroshilik River	Minor	IN	40	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
34.9	WPT151	Unnamed Tributary to Kadleroshilik River	Minor	IN	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
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. <sup>j</sup>	No	None
35.9	WPT154	Pond	Minor	O	260	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
36.8	WPT155	Unnamed Stream	Minor	PN	20	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
<b>Sagavanirktok River Sub-watershed (HUC8)</b>																
38.1	WPT155.1	Pond	Minor	O	300	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
39.1	WPT155.11	Pond	Minor	O	140	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
39.7	WPT159	Pond	Minor	O	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
39.9	WPT159.01	Pond	Minor	O	240	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
40.1	WPT159.02	Pond	Minor	O	100	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
40.3	WPT159.2	Pond	Minor	O	125	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
40.4	WPT159.3	Pond	Minor	O	170	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
40.6	WPT167	Pond	Minor	O	45	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
40.7	WPT168	Pond	Minor	O	125	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
40.8	WPT168.1	Pond	Minor	O	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
41.0	WPT168.2	Pond	Minor	O	120	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
41.4	WPT168.3	Pond	Minor	O	160	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
41.5	WPT169.1	Pond	Minor	O	280	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
42.0	WPT169.3	Pond	Minor	O	50	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
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. <sup>j</sup>	No	None
42.7	WPT176	Pond	Minor	O	1065	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
42.9	WPT177	Pond	Minor	O	420	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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	None
45.2	WPT182.1	Unnamed Tributary to Sagavanirktok River	Minor	PN	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
45.4	WPT182.2	Unnamed Tributary to Sagavanirktok River	Minor	PN	75	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
45.9	WPT192-B	Pond	Minor	O	800	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
46.1	WPT194	Pond	Minor	O	35	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
46.2	WPT194.1	Pond	Minor	O	130	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
46.9	WPT196	Pond	Minor	O	60	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
49.1	WPT197-B	Unnamed Tributary to Sagavanirktok River	Minor	PN	1750	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
50.2	WPT197.1	Pond	Minor	O	560	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None

TABLE I-3 (cont'd)

## Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
50.5	WPT197.2	Unnamed Tributary to Sagavanirktok River	Minor	PN	130	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
51.2	WPT200	Unnamed Tributary to Sagavanirktok River	Minor	PN	170	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
51.9	WPT201	Unnamed Tributary to Sagavanirktok River	Minor	PN	150	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
52.2	WPT202	Unnamed Tributary to Sagavanirktok River	Minor	PN	130	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
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
<b>Kuparuk River Sub-watershed (HUC8)</b>																
56.3	WPT209	Unnamed Stream	Minor	IN	65	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk.	No	None
56.4	WPT209.1	Pond	Minor	O	145	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
56.4	WPT211	Pond	Minor	O	80	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None
58.5	WPT214	Pond	Minor	O	390	0	Aerial Span	Winter	None	ND	ND	ND	None	Unk. <sup>j</sup>	No	None

TABLE I-3 (cont'd)

Waterbodies Crossed by the PTTL Centerline

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
59.6	WPT215	Unnamed Tributary to Putuligayuk River	Minor	PN	130	0	Aerial Span	Winter	330-00-10415-2001	BCp, DVp, Wp	ND	BC, DV, W (ADFG)	None	Unk.	Unk.	5
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
61.4	WBC059-PTTL	Unnamed Tributary to Putuligayuk River	Minor	PN	0	0	Aerial Span	Winter	None	N/A	None	ND	None	No	No	None

Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018 (ADEC, 2018d), 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 was used for analysis.

AWC = Anadromous Waters Catalog; FERC = Federal Energy Regulatory Commission; ft = feet; N/A = Not applicable; ND = No data; Unk. = Unknown

<sup>a</sup> 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.

<sup>b</sup> Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD; USGS, 2019e) and LiDAR imagery (ADNR DGGs, 2018). Perennial = PN; Perennial - Multiple = PNM; Intermittent = IN; and Pond/Open Water = O.

<sup>c</sup> 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.

TABLE I-3 (cont'd)

**Waterbodies Crossed by the PTTL Centerline**

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
<b>AWC Species and Life Stage Codes</b>																
<b>Code / Species</b>				<b>Code / Species</b>				<b>Code / Species</b>				<b>Life Stage</b>				
AC = Arctic char				CT = Cutthroat trout				LV = River lamprey				SF = Inconnu/Sheefish				
AL = Arctic lamprey				DV = Dolly Varden				OL = Longfin smelt				SH = Steelhead trout				
AW = Arctic cisco				GS = Green sturgeon				OM = Rainbow smelt				SM = Smelts, undifferentiated				
BC = Bering cisco				HW = Humpback whitefish				OU = Eulachon				ST = Sturgeon, undifferentiated				
BW = Broad whitefish				K = Chinook salmon				P = Pink salmon				W = Whitefishes, undifferentiated				
CH = Chum salmon				LC = Least cisco				PC = Pacific lamprey				WS = White sturgeon				
CO = Coho salmon				LP = Lamprey, undifferentiated				S = Sockeye salmon								
<sup>e</sup> Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (ADF&G, 2018a).																

TABLE I-3 (cont'd)

**Waterbodies Crossed by the PTTL Centerline**

Milepost (PTMP)	Waterbody Crossing ID	Waterbody Name	FERC Size Classification <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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<sup>f</sup> Field Season Surveys from Alaska LNG (AECOM); Alaska Department of Fish and Game; and the Trans Alaska Pipeline System, unless otherwise noted. 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	: <i>Dallia pectoralis</i>
AC	= Arctic char	: <i>Salvelinus alpinus</i>
AL	= Arctic lamprey	: <i>Lampetra japonica</i>
AS	= American shad	: <i>Alosa sapidissima</i>
BB	= Burbot	: <i>Lota lota</i>
BC	= Bering cisco	: <i>Coregonus laurettae</i>
BL	= American brook lamprey	: <i>Lampetra sp.</i>
BW	= Broad whitefish	: <i>Coregonus nasus</i>
CA	= Arctic cisco	: <i>Coregonus autumnalis</i>
CD	= Sculpin	: <i>Family Cottidae</i>
CI	= Cisco	: <i>Coregonus sp.</i>
CN	= Slimy sculpin	: <i>Cottus cognatus</i>
CS	= Least cisco	: <i>Coregonus sardinella</i>
CT	= Cutthroat trout	: <i>Oncorhynchus clarkii</i>
DS	= Dog (Chum) salmon	: <i>Oncorhynchus keta</i>
DV	= Dolly varden	: <i>Salvelinus malma</i>
GR	= Grayling	: <i>Thymallus arcticus</i>
HO	= Pond Smelt	: <i>Hypomesus olidus</i>

AKLNG, ADFG and TAPS Field Survey Species Codes		
Species Code	Common Name	Scientific Name
HW	= Humpback whitefish	: <i>Coregonus pidschian</i>
IN	= Inconnu (Sheefish)	: <i>Stenodus leucichthys</i>
KO	= Kokanee	: <i>Oncorhynchus nerka</i>
KS	= King (Chinook) salmon	: <i>Oncorhynchus tshawytscha</i>
LC	= Lake chub	: <i>Couesius plumbeus</i>
LS	= Longnose sucker	: <i>Catostomus catostomus</i>
LT	= Lake trout	: <i>Salvelinus namaycush</i>
LW	= Lake whitefish	: <i>Coregonis clupeaformis</i>
NP	= Northern pike	: <i>Esox lucius</i>
OM	= Rainbow smelt	: <i>Osmerus mordax</i>
PS	= Pink (Humpback) salmon	: <i>Oncorhynchus gorbuscha</i>
PW	= Pygmy whitefish	: <i>Prosopium coulteri</i>
RB	= Rainbow trout	: <i>Oncorhynchus mykiss</i>
RS	= Red (Sockeye) salmon	: <i>Oncorhynchus nerka</i>
RW	= Round whitefish	: <i>Prosopium cylindraceum</i>
SB	= Stickleback	: <i>Family Gasterosteidae</i>
S9	= Ninespine stickleback	: <i>Pungitius pungitius</i>
SH	= Steelhead trout	: <i>Oncorhynchus mykiss</i>
SK	= Sucker	: <i>Family Catostomidae</i>
SS	= Coho (Silver) salmon	: <i>Oncorhynchus kisutch</i>
TP	= Trout – Perch	: <i>Percopsis omiscomaycus</i>
WF	= Whitefish	: <i>Coregonus sp.</i>
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 <sup>a</sup>	Flow Classification <sup>b</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>c</sup>	Proposed Crossing Method	Proposed Construction Season	AWC Code	AWC Species <sup>d</sup>	AFFI Species <sup>e</sup>	Field Season Surveys / Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>	
																	<p><sup>g</sup> 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</p> <p><sup>h</sup> No = no known spawning habitat or data is not available.</p> <p><sup>i-1</sup> 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)).</p> <p><sup>i-2</sup> 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 AAC 39.222(f)(21)).</p> <p><sup>i-3</sup> Spawning: preparation, deposition or fertilization of anadromous fish eggs.</p> <p><sup>i-4</sup> Documented occurrence of developmental life phase of an anadromous fish species.</p> <p><sup>i-5</sup> Documented occurrence of anadromous fish.</p> <p><sup>i-6</sup> Subsistence fisheries.</p> <p><sup>i-7</sup> Commercial fisheries.</p> <p><sup>i-8</sup> Recreational (sport) fisheries.</p> <p><sup>i-9</sup> Northern pike (NAS/ANS) confirmed.</p> <p><sup>i-10</sup> Northern pike (NAS/ANS) active suppression.</p> <p><sup>i-11</sup> Unconfirmed northern pike (NAS/ANS) reported.</p> <p><sup>j</sup> 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> <p><sup>k</sup> Fish species data from Winters and Morris (2004).</p>



TABLE I-4a

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
<b>Kuparuk River Sub-watershed (HUC8)</b>																
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
<b>Sagavanirktok River Sub-watershed (HUC8)</b>																
17.7	MS-WS-I-18.13	MS-WS-I-18.13 (XING-01)	Sagavanirktok River - West Anabran	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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
24.3	MS-WS-E-24.31	MS-WS-E-24.31 (XING-02)	Sagavanirktok River - West Anabran	Ice Bridge	Minor	PN	55	0	Winter	330-00-10361	CHp, Pp, DVr, Wp	ND	CHp, Pp	Unk.	Unk.	5

TABLE I-4a (cont'd)

**Waterbodies Crossed by Mainline Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
33.7	ALT-MS-33.6	ALT-MS-33.6 (XING-01)	Sagavanirktok River - West Anabran	Ice Bridge	Minor	PN	160	0	Winter	330-00-10360	CHp, Pp, DVr	ND	CHp, Pp	Unk.	DVr	4,5
34.2	ALT-MS-34.23	ALT-MS-34.23 (XING-01)	Sagavanirktok River - West Anabran	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 Anabran	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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
46.8	MS-N-46.71	MS-N-46.71 (XING-01)	Sagavanirktok River - West Anabran	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.	None
72.6	WS-N-72.63	WS-N-72.63 (XING-01)	Sagavanirktok River - West Anabran	Ice Bridge	Minor	PN	120	0	Winter	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 Anabran	Ice Bridge	Major	PN	180	120	Winter	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	Intermediate	O	30	25	Summer	None	N/A	ND	None	Unk.	Unk.	None
76.1	MS-E-76.12	MS-E-76.12 (XING-01)	Unnamed Tributary to Sagavanirktok River	Existing Culvert	Intermediate	IN	45	35	Summer	None	N/A	ND	None	Unk.	Unk.	None

TABLE I-4a (cont'd)

**Waterbodies Crossed by Mainline Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
80.8	AR-N-80.71	WBC003-AR	Sagavanirktok River Side Channel	Culvert	Minor	PN	9	5	Summer	None	N/A	ND	None	Unk.	Unk.	None
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	Unnamed Tributary to Sagavanirktok River	Culvert	Minor	PN	8	3	Summer	None	N/A	ND	None	Unk.	Unk.	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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	None
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. <sup>k</sup>	No	None
166.6	AR-E-166.57	AR-E-166.57 (XING-01)	Unnamed Stream	Existing Culvert	Minor <sup>j</sup>	IN	20	0	Winter	None	N/A	ND	None	Unk.	None Reported	None
168.6	AR-XG-N-168.56	AR-XG-N-168.56 (XING-01)	Atigun River #2	Culvert	Minor <sup>j</sup>	PNM	30	0	Winter	None	N/A	ND	None	Unk.	None Reported	None

TABLE I-4a (cont'd)

**Waterbodies Crossed by Mainline Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
<b>Middle Fork-North Fork Chandalar Sub-watershed (HUC8)</b>																
171.9	AR-XG-HT-N-171.75	AR-XG-HT-N-171.75 (XING-01)	Unnamed Stream	Culvert	Intermediate	PN	115	40	Summer	None	N/A	ND	None	Unk.	None Reported	None
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	None
174.7	MS-E-174.74	MS-E-174.74 (XING-01)	Unnamed Tributary to North Fork Chandalar River	Existing Bridge	Intermediate	PN	25	20	Summer	None	N/A	ND	None	Unk.	None Reported	None
<b>Upper Koyukuk River Sub-watershed (HUC8)</b>																
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
181.9	AR-XG-GA-N-181.94	AR-XG-GA-N-181.94 (XING-01)	Oskar's Eddy	Bridge	Minor <sup>j</sup>	PN	30	0	Winter	None	N/A	Arctic grayling	None	Unk.	None Reported	None
188.5	AR-N-188.5	AR-N-188.5 (XING-01)	Unnamed Stream	Culvert	Intermediate	IN	20	20	Summer	None	N/A	ND	None	Unk.	None Reported	None
236.1	AR-MS-HT-E-236.09	AR-MS-HT-E-236.09 (XING-01)	Marion Creek	Bridge	Minor <sup>j</sup>	PN	110	0	Winter	None	N/A	ND	None	Unk.	None Reported	None

TABLE I-4a (cont'd)

**Waterbodies Crossed by Mainline Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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. <sup>k</sup>	No	None
251.9	AR-N-251.82	WBC017-AR	Ninety-Six Creek	Culvert	Minor	PN	4	4	Summer	None	N/A	ND	None	Unk.	No	None
<b>South Fork Koyukuk River Sub-watershed (HUC8)</b>																
272.7	AR-GA-N-272.65	WBC021-AR	Unnamed Tributary to Jim River	Culvert	Minor	PN	0	0	Summer	None	N/A	ND	None	Unk.	No	None
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	None
278.1	AR-N-278.11	WBC023-AR	Unnamed Tributary to Jim River	Culvert	Minor	IN	5	5	Summer	None	N/A	ND	None	Unk.	No	None
281.5	AR-HT-N-281.44	WBC025-AR	Unnamed Tributary to Prospect Creek	Culvert	Minor	IN	5	3	Summer	None	N/A	ND	None	Unk.	No	None
281.7	ALT-MS-281.61	ALT-MS-281.61 (XING-01)	Prospect Creek	Ice Bridge	Minor	PN	75	5	Winter	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	Intermediate	PN	25	25	Summer	None	N/A	ND	None	Unk. <sup>k</sup>	None Reported	None
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	None

TABLE I-4a (cont'd)

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
<b>Tolovana River Sub-watershed (HUC8)</b>																
408.2	SF-N-408.12	WBC031-AR	Unnamed Tributary to Tolovana River	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None
409.0	SF-N-408.12	WBC032-AR	Unnamed Tributary to Vigor Creek	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None
414.0	MS-N-414.03	WBC033-AR	Unnamed Tributary to Tolovana River	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None
442.9	AR-MS-N-442.89	WBC037-AR	Unnamed Tributary to Goldstream Creek	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None
455.8	AR-MLBV-CAMP-HT-PSY-N-455.68	WBC041-AR	Unnamed Tributary to Goldstream Creek	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None
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. <sup>k</sup>	No	None
<b>Nenana River Sub-watershed (HUC8)</b>																
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	Intermediate	PN	100	50	Winter	334-40-11000-2490-3200	CHp, COp, Kp	ND	CHp, COp, Kp	Unk.	None Reported	5

TABLE I-4a (cont'd)

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
498.6	CAMP-PSY-N-499.44	WBC043-AR	Nenana River Side Channel	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None
499.4	CAMP-PSY-N-499.44	WBC043.1-AR	Nenana River Side Channel	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None
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. <sup>k</sup>	No	None
561.8	AR-HT-N-562	WBC045-AR	Unnamed Stream	Culvert	Minor	PN	8	5	Summer	None	N/A	ND	None	None	No	None
573.9	AR-N-576.1	WBC046-AR	Unnamed Tributary to Cantwell Creek	Culvert	Minor	PN	8	5	Summer	None	N/A	ND	None	None	No	None
575.9	AR-N-576.1	WBC047-AR	Unnamed Tributary to Cantwell Creek	Culvert	Minor	PN	8	5	Summer	None	N/A	ND	None	None	No	None
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. <sup>k</sup>	None Reported	None
<b>Chulitna River Sub-watershed (HUC8)</b>																
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	Intermediate <sup>j</sup>	PN	230	100	Summer	247-41-10200-2381-3240	Ks	ND	Ks	Yes	K	3

TABLE I-4a (cont'd)

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
598.3	SF-N-598.46	WBC048-AR	Unnamed Tributary to Honolulu Creek	Culvert	Minor	PN	7	4	Summer	None	N/A	ND	None	None	No	None
598.7	AR-MLBV-CS-HT-N-598.55	AR-MLBV-CS-HT-N-598.55 (XING-01)	Pond	Culvert	Intermediate	O	12	12	Summer	None	N/A	ND	None	Unk. <sup>k</sup>	None Reported	None
601.0	SF-N-600.9	WBC049-AR	Unnamed Tributary to Honolulu Creek	Culvert	Minor	PN	9	5	Summer	None	N/A	ND	None	None	No	None
603.4	SF-N-603.46	SF-N-603.46 (XING-01)	Hurricane Gulch	Bridge	Intermediate	PN	30	20	Summer	None	N/A	ND	None	Unk. <sup>k</sup>	None Reported	None
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
<b>Lower Susitna River Sub-watershed (HUC8)</b>																
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	Unnamed Tributary to Queer Creek	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None



TABLE I-4a (cont'd)

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
678.3	AR-TL-CS-MLBV-MS-HT-N-674.75	WBC067-AR	Unnamed Stream	Culvert	Minor	IN	11	0	Winter	None	N/A	ND	None	None	No	None
678.5	AR-TL-CS-MLBV-MS-HT-N-674.75	WBC068-AR	Unnamed Stream	Culvert	Minor	PN	20	0	Winter	None	N/A	ND	None	None	No	None
681.6	AR-TL-CS-MLBV-MS-HT-N-674.75	WBC066-AR	Unnamed Stream	Culvert	Minor	IN	0	0	Winter	None	N/A	ND	None	None	No	None
682.1	AR-TL-CS-MLBV-MS-HT-N-674.75	WBC065-AR	Unnamed Stream	Culvert	Minor	PN	7	0	Winter	None	N/A	ND	None	None	No	None
683.7	AR-TL-CS-MLBV-MS-HT-N-674.75	WBC054-AR	Unnamed Tributary to Trapper Creek	Culvert	Minor	PN	0	0	Winter	None	N/A	ND	None	None	No	None

TABLE I-4a (cont'd)

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
704.7	SF-N-704.67	SF-N-704.67 (XING-01)	Deshka River	Bridge	Intermediate <sup>j</sup>	PN	230	100	Winter	247-41-10200-2081	CHs, COsr, Kpr, Pp, ALp, Wp	Arctic lamprey; Pacific lamprey; Chinook salmon; pink salmon; burbot; longnose sucker; northern pike; slimy sculpin; round whitefish; threespine stickleback	CHs, COsr, Kpr, 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
727.9	SF-N-727.8	SF-N-727.8 (XING-01)	Alexander Creek	Bridge	Intermediate	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

TABLE I-4a (cont'd)

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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. <sup>k</sup>	None Reported	None
745.1	AR-CAMP-PSY-I-745.04	AR-CAMP-PSY-I-745.04 (XING-02)	Lewis River	Existing Bridge	Intermediate	PN	40	40	Summer	247-30-10070	CO <sub>r</sub> , K <sub>sr</sub>	ND	CO <sub>r</sub> , K <sub>sr</sub>	Yes	K	3,4,9
746.5	AR-CAMP-PSY-I-745.04	AR-CAMP-PSY-I-745.04 (XING-03)	Pond	Culvert	Intermediate	O	75	75	Summer	None	N/A	ND	None	Unk. <sup>k</sup>	None Reported	None
746.5	AR-CAMP-PSY-I-745.04	AR-CAMP-PSY-I-745.04 (XING-04)	Theodore River	Existing Bridge	Intermediate	PN	80	80	Summer	247-30-10080	CH <sub>p</sub> , CO <sub>r</sub> , K <sub>sr</sub> , P <sub>p</sub>	ND	CH <sub>p</sub> , CO <sub>r</sub> , K <sub>sr</sub> , P <sub>p</sub>	Yes	None Reported	3,4,5
<b>Yentna River Sub-watershed (HUC8)</b>																
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	CH <sub>s</sub> , CO <sub>sr</sub> , K <sub>pr</sub> , P <sub>p</sub> , Spr, OUs	ND	CH <sub>s</sub> , CO <sub>sr</sub> , K <sub>pr</sub> , P <sub>p</sub> , Spr	Yes	CH, CO	1,3,4,5,6,7,8,9
<b>Redoubt-Trading Bay Sub-watershed (HUC8)</b>																
749.1	AR-MLBV-CS-E-749.39	AR-MLBV-CS-E-749.39 (XING-01)	Pond	Existing Culvert	Intermediate	O	60	60	Summer	None	N/A	ND	None	Unk. <sup>k</sup>	None Reported	None
749.2	AR-MLBV-CS-E-749.39	AR-MLBV-CS-E-749.39 (XING-02)	Unnamed Stream	Existing Culvert	Intermediate	PN	20	20	Summer	247-30-10080-2031	CO <sub>r</sub> , Kr	ND	CO <sub>r</sub> , Kr	Unk.	K	4

TABLE I-4a (cont'd)

## Waterbodies Crossed by Mainline Access Roads

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
750.1	MS-E-750.95	MS-E-750.95 (XING-01)	Pretty Creek	Culvert	Minor	PN	10	10	Summer	247-30-10090-2010	CO <sub>r</sub> , Kr, Ps, Sr	ND	CO <sub>r</sub> , 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	Intermediate	PN	15	15	Summer	247-30-10090-2010	CO <sub>r</sub> , Kr, Ps, Sr	ND	CO <sub>r</sub> , Kr, Ps, Sr	Yes	K,P	3,4,8
750.2	MS-E-750.95	WBC058-AR	Pretty Creek	Culvert	Minor	PN	9	4	Summer	247-30-10090-2010	CO <sub>r</sub> , Kr, Ps, Sr	ND	CO <sub>r</sub> , 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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
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. <sup>k</sup>	No	None
752.4	AR-I-749.39	AR-I-749.39 (XING-07)	Tributary to Olson Creek	Existing Culvert	Intermediate	IN	30	15	Summer	None	N/A	ND	None	Unk. <sup>k</sup>	None Reported	None
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. <sup>k</sup>	No	None
753.7	AR-I-749.39	AR-I-749.39 (XING-09)	Olson Creek	Existing Bridge	Intermediate	IN	40	25	Summer	247-30-10090-2020	CO <sub>s</sub> r, K <sub>s</sub> r	ND	CO <sub>s</sub> r, K <sub>s</sub> r	Yes	CO,K	3,4,5,8
756.1	AR-N-756.29	AR-N-756.29 (XING-01)	Pond	Culvert	Intermediate	O	75	75	Summer	None	N/A	ND	None	Unk. <sup>k</sup>	None Reported	None

TABLE I-4a (cont'd)

**Waterbodies Crossed by Mainline Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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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 December 20, 2019.

The Project would cross the Denali National Park and Preserve from milepost 537.1 to 543.1.

AWC = Anadromous Waterbody Catalog; FERC = Federal Energy Regulatory Commission; ft = feet; HUC = Hydraulic Unit Code; ID -- identification; N/A = Not applicable; ND = No data; Unk. = Unknown

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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.

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

TABLE I-4a (cont'd)

**Waterbodies Crossed by Mainline Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	Essential Fish Habitat <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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 (5 AAC 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 (nonindigenous aquatic species/aquatic nuisance species [NAS/ANS]) confirmed.															
i-10	Northern pike (NAS/ANS) active suppression.															
i-11	Unconfirmed northern pike (NAS/ANS) reported.															
j	FERC size classification reassigned based on AGDC's preliminary construction wetted width.															
k	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.															

TABLE I-4b

**Waterbodies Crossed by GTP Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	EFH <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
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**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. <sup>j</sup>	No	None
0.0	MS-RESVR-AR	WBC062-RESVR-AR	Unnamed Lake/Pond	Culvert	Minor	O	0	0	Winter	None	N/A	ND	None	None	No	None

Notes: The State of Alaska *2014/2016 Final Integrated Water Quality Monitoring and Assessment Report*, dated November 2, 2018 (ADEC, 2018d), classifies all waterbodies crossed by the Mainline access roads as category 1, meaning all Water Quality Standards for all designated uses are attained.  
Rev C2 alignment was used for analysis.

Access roads current as of December 20, 2019.

AWC = Anadromous Waters Catalog; FERC = Federal Energy Regulatory Commission; ft = feet; HUC = Hydraulic Unit Code; ID = identification; N/A = Not applicable; ND = No data; Unk. = Unknown

<sup>a</sup> 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.

<sup>b</sup> 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; 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.

<sup>c</sup> Flow classification based on USGS National Hydrographic Dataset (NHD; USGS, 2019e) and LiDAR imagery (ADNR DGGs, 2018). Perennial = PN and Pond/Open Water = O.

<sup>d</sup> 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.

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

TABLE I-4b (cont'd)

**Waterbodies Crossed by GTP Access Roads**

Near Mainline Milepost	Access Road ID <sup>a</sup>	Access Road Waterbody Crossing ID	Waterbody Name	Access Road Crossing Type	FERC Size Classification <sup>b</sup>	Flow Classification <sup>c</sup>	Bank Width / Crossing Length (ft)	Construction Wetted Width (ft) <sup>d</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>e</sup>	AFFI Species <sup>f</sup>	EFH <sup>g</sup>	Overwintering	Spawning Upstream <sup>h</sup>	Special Fishery Concerns <sup>i</sup>
f	Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (ADF&G, 2018a).															
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 AAC 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.															
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i-8	Recreational (sport) fisheries.															
i-9	Northern pike (nonindigenous aquatic species/aquatic nuisance species [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.															



TABLE I-5

## Mainline Facility Additional Work Areas Within Waterbodies

Near Mainline Milepost	Facility Type	Facility ID	Waterbody Crossing ID	Waterbody Name	Flow Classification <sup>a</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>b</sup>	AFFI Species <sup>c</sup>	Field Season Surveys / Species <sup>d</sup>	Essential Fish Habitat <sup>e</sup>	Over-wintering	Spawning Upstream	Waterbody Impact (acres)
<b>Sagavanirktok River Sub-watershed (HUC8)</b>														
17.8	Material site	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	Unk.	Unk.	24.7
24.3	Material site	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	Unk.	Unk.	19.7
46.8	Material site	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	Unk.	Unk.	10.2
75.9	Material site	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	Unk.	Unk.	76.2
87.4	Material site	Alternate Site 34 Extra FP	Alternate Site 34 Extra FP	Sagavanirktok River	PN	Winter	330-00-10360	CHp, Pp, DVr	ND	CH, P, DV (ADFG)	CHp, Pp	Unk.	Unk.	59.2
148.8	Material site	65-9-056-2 FP	WBC006-MS	Holden Creek	PN	Winter	None	N/A	ND	ND	No	No	No	11.4
<b>Middle Fork-North Fork Chandalar Rivers Sub-watershed (HUC8)</b>														
174.6	Contract or, pipe, double joining yard	Chandal ar PSY	WBC007-PSY	Unnamed Tributary to North Fork Chandalar River	IN	Summer	None	N/A	ND	ND	No	No	No	0.1
<b>Upper Koyukuk River Sub-watershed (HUC8)</b>														
243.8	Material site	Proposed Site 3 Extra FP	WBC016-MS	Spring Slough	IN	Winter	None	N/A	ND	ND	No	No	No	1.1
251.8	Disposal site	WD-043	WBC071-WD	Ninety-Six Creek	PN	Summer	None	N/A	ND	ND	No	No	No	<0.1

TABLE I-5 (cont'd)

## Mainline Facility Additional Work Areas Within Waterbodies

Near Mainline Milepost	Facility Type	Facility ID	Waterbody Crossing ID	Waterbody Name	Flow Classification <sup>a</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>b</sup>	AFFI Species <sup>c</sup>	Field Season Surveys / Species <sup>d</sup>	Essential Fish Habitat <sup>e</sup>	Over-wintering	Spawning Upstream	Waterbody Impact (acres)
<b>South Fork Koyukuk River Sub-watershed (HUC8)</b>														
260.9	Material site	Alternate Site 43 Extra FP	WBC018-MS-ALT	Unnamed Tributary to South Fork Koyukuk River	IN	Summer	None	N/A	ND	ND	No	No	No	<0.1
281.5	Disposal site	WD-050	WBC025-WD	Unnamed Tributary to Prospect Creek	IN	Summer	None	N/A	ND	ND	No	No	No	<0.1
<b>Ramparts-Yukon River Sub-watershed (HUC8)</b>														
337.0	Material site/ Contract or, pipe, double joining yard	65-9-078-2 FP	WBC028-PSY	Unnamed Tributary to North Fork Ray River	PN	Summer	None	N/A	ND	ND	No	No	No	0.3
<b>Tolovana River Sub-watershed (HUC8)</b>														
405.9	Material site	2015-LF1 FP	WBC029-MS	Unnamed Tributary to Tolovana River	PN	Winter	None	N/A	ND	ND	No	No	No	0.5
449.7	Material site	2015-LF8 FP	WBC039-MS	Unnamed Tributary to Goldstream Creek	PN	Winter	None	N/A	ND	ND	No	No	No	0.2

TABLE I-5 (cont'd)

**Mainline Facility Additional Work Areas Within Waterbodies**

Near Mainline Milepost	Facility Type	Facility ID	Waterbody Crossing ID	Waterbody Name	Flow Classification <sup>a</sup>	Proposed Construction Season	AWC Code	AWC Species <sup>b</sup>	AFFI Species <sup>c</sup>	Field Season Surveys / Species <sup>d</sup>	Essential Fish Habitat <sup>e</sup>	Over-wintering	Spawning Upstream	Waterbody Impact (acres)																																													
<p>Notes: The State of Alaska 2014/2016 Final Integrated Water Quality Monitoring and Assessment Report, dated November 2, 2018 (ADEC, 2018d), 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.</p> <ul style="list-style-type: none"> <li>• Category 1 = All Water Quality Standards (WQS) for all designated uses are attained.</li> <li>• Category 3 = Data or information is insufficient to determine whether the WQS for any designated uses are attained.</li> </ul> <p>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.                      Additional work areas current as of December 20, 2019.</p> <p>AWC = Anadromous Waters Catalog; FERC = Federal Energy Regulatory Commission; HUC = Hydraulic Unit Code; ID = identification; N/A = not applicable; ND = no data; Unk. = Unknown</p> <p><sup>a</sup> Flow classification based on U.S. Geological Survey National Hydrographic Dataset (NHD; USGS, 2019e) and LiDAR imagery (ADNR DGGs, 2018). Perennial = PN and Intermittent = IN</p> <p><sup>b</sup></p> <table border="0" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="5"><b>AWC Species and Life Stage Codes</b></th> </tr> <tr> <th><b>Code / Species</b></th> <th><b>Code / Species</b></th> <th><b>Code / Species</b></th> <th><b>Code / Species</b></th> <th><b>Life Stage</b></th> </tr> </thead> <tbody> <tr> <td>AC = Arctic char</td> <td>CT = Cutthroat trout</td> <td>LV = River lamprey</td> <td>SF = Inconnu/Sheefish</td> <td>m = migration</td> </tr> <tr> <td>AL = Arctic lamprey</td> <td>DV = Dolly Varden</td> <td>OL = Longfin smelt</td> <td>SH = Steelhead trout</td> <td>p = present</td> </tr> <tr> <td>AW = Arctic cisco</td> <td>GS = Green sturgeon</td> <td>OM = Rainbow smelt</td> <td>SM = Smelts, undifferentiated</td> <td>r = rearing</td> </tr> <tr> <td>BC = Bering cisco</td> <td>HW = Humpback whitefish</td> <td>OU = Eulachon</td> <td>ST = Sturgeon, undifferentiated</td> <td>s = spawning</td> </tr> <tr> <td>BW = Broad whitefish</td> <td>K = Chinook salmon</td> <td>P = Pink salmon</td> <td>W = Whitefishes, undifferentiated</td> <td></td> </tr> <tr> <td>CH = Chum salmon</td> <td>LC = Least cisco</td> <td>PC = Pacific lamprey</td> <td>WS = White sturgeon</td> <td></td> </tr> <tr> <td>CO = Coho salmon</td> <td>LP = Lamprey, undifferentiated</td> <td>S = Sockeye salmon</td> <td></td> <td></td> </tr> </tbody> </table> <p><sup>c</sup> Alaska Freshwater Fish Inventory (AFFI) Database includes anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (ADF&amp;G, 2018a).</p>															<b>AWC Species and Life Stage Codes</b>					<b>Code / Species</b>	<b>Code / Species</b>	<b>Code / Species</b>	<b>Code / Species</b>	<b>Life Stage</b>	AC = Arctic char	CT = Cutthroat trout	LV = River lamprey	SF = Inconnu/Sheefish	m = migration	AL = Arctic lamprey	DV = Dolly Varden	OL = Longfin smelt	SH = Steelhead trout	p = present	AW = Arctic cisco	GS = Green sturgeon	OM = Rainbow smelt	SM = Smelts, undifferentiated	r = rearing	BC = Bering cisco	HW = Humpback whitefish	OU = Eulachon	ST = Sturgeon, undifferentiated	s = spawning	BW = Broad whitefish	K = Chinook salmon	P = Pink salmon	W = Whitefishes, undifferentiated		CH = Chum salmon	LC = Least cisco	PC = Pacific lamprey	WS = White sturgeon		CO = Coho salmon	LP = Lamprey, undifferentiated	S = Sockeye salmon		
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TABLE I-5 (cont'd)

Mainline Facility Additional Work Areas Within Waterbodies

Near Mainline Milepost  
 Facility Type  
 Facility ID  
 Waterbody Crossing ID  
 Waterbody Name  
 Flow Classification <sup>a</sup>  
 Proposed Construction Season  
 AWC Code  
 AWC Species <sup>b</sup>  
 AFFI Species <sup>c</sup>  
 Field Season Surveys / Species <sup>d</sup>  
 Essential Fish Habitat <sup>e</sup>  
 Over-wintering  
 Spawning Upstream  
 Waterbody Impact (acres)

<sup>d</sup> 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	: <i>Dallia pectoralis</i>
AC	= Arctic char	: <i>Salvelinus alpinus</i>
AL	= Arctic lamprey	: <i>Lampetra japonica</i>
AS	= American shad	: <i>Alosa sapidissima</i>
BB	= Burbot	: <i>Lota lota</i>
BC	= Bering cisco	: <i>Coregonus laurettae</i>
BL	= American brook lamprey	: <i>Lampetra sp.</i>
BW	= Broad whitefish	: <i>Coregonus nasus</i>
CA	= Arctic cisco	: <i>Coregonus autumnalis</i>
CD	= Sculpin	: <i>Family Cottidae</i>
CI	= Cisco	: <i>Coregonus sp.</i>
CN	= Slimy sculpin	: <i>Cottus cognatus</i>
CS	= Least cisco	: <i>Coregonus sardinella</i>
CT	= Cutthroat trout	: <i>Oncorhynchus clarkii</i>
DS	= Dog (Chum) salmon	: <i>Oncorhynchus keta</i>
DV	= Dolly varden	: <i>Salvelinus malma</i>
GR	= Grayling	: <i>Thymallus arcticus</i>
HO	= Pond Smelt	: <i>Hypomesus olidus</i>

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

<sup>e</sup> 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

TABLE I-6

## PTTL Vertical Support Member Waterbody Impacts

Milepost	Waterbody Crossing ID	Waterbody Name	Proposed Crossing Method	Bank Width (feet)	Number of VSMS in Waterbody <sup>a</sup>	VSM Waterbody Impact (square feet) <sup>b</sup>
1.4	WPT003	Pond	Aerial Span	90	1	3.1
1.7	WPT003.1	Pond	Aerial Span	55	1	3.1
2.9	WPT014	East E Creek	Aerial Span	80	1	3.1
3.0	WPT014.1	E Creek	Aerial Span	70	1	3.1
3.5	WPT016	18A Creek	Aerial Span	70	1	3.1
3.7	WPT019	Pond	Aerial Span	75	1	3.1
7.0	WPT032	H Creek	Aerial Span	55	1	3.1
10.6	WPT048	K Creek	Aerial Span	60	1	3.1
16.0	WPT072.1	Pond	Aerial Span	110	2	6.3
18.7	WPT080	East Badami Creek	Aerial Span	640	12	37.7
20.4	WPT084-B	West Badami Creek	Aerial Span	130	2	6.3
22.2	WPT091-B	Unnamed Stream	Aerial Span	115	2	6.3
22.6	WPT091.1	Pond	Aerial Span	85	1	3.1
24.3	WPT102	Unnamed Stream (Artificial)	Aerial Span	900	18	56.5
24.8	WPT106	Pond	Aerial Span	270	5	15.7
24.9	WPT106.1	Pond	Aerial Span	220	4	12.6
25.5	WPT107	Shaviovik River East	Aerial Span	550	6	75.4
25.7	WPT108	Shaviovik River East Overflow	Aerial Span	500	10	31.4
25.9	WPT110	Shaviovik River West	Aerial Span	500	10	31.4
26.1	WPT113	Shaviovik River West	Aerial Span	140	2	6.3
26.5	WPT115	Unnamed Tributary to Shaviovik River	Aerial Span	200	4	12.6
26.9	WPT116	Unnamed Tributary to Shaviovik River	Aerial Span	55	1	3.1
27.3	WPT118	Unnamed Tributary to Shaviovik River	Aerial Span	50	1	3.1
28.9	WPT118.01	Pond	Aerial Span	820	16	50.3
29.4	WPT118.02	Pond	Aerial Span	160	3	9.4
29.6	WPT118.1	Pond	Aerial Span	90	1	3.1
30.0	WPT128.05	Pond	Aerial Span	200	4	12.6
30.1	WPT128.1	Pond	Aerial Span	60	1	3.1
30.8	WPT128.3	Pond	Aerial Span	115	2	6.3
31.2	WPT135	Pond	Aerial Span	200	4	12.6
31.5	WPT135.1	Pond	Aerial Span	175	3	9.4
32.0	WPT137.1	Pond	Aerial Span	105	2	6.3
32.5	WPT140.5	Pond	Aerial Span	205	4	12.6
32.5	WPT141	Pond	Aerial Span	105	2	6.3
33.5	WPT141.3	Pond	Aerial Span	50	1	3.1

TABLE I-6 (cont'd)

## PTTL Vertical Support Member Waterbody Impacts

Milepost	Waterbody Crossing ID	Waterbody Name	Proposed Crossing Method	Bank Width (feet)	Number of VSMS in Waterbody <sup>a</sup>	VSM Waterbody Impact (square feet) <sup>b</sup>
33.9	WPT145-B	Unnamed Tributary to Kadleroshilik River	Aerial Span	65	1	3.1
34.4	WPT148	Unnamed Tributary to Kadleroshilik River	Aerial Span	125	2	6.3
34.6	WPT149	Unnamed Tributary to Kadleroshilik River	Aerial Span	160	3	9.4
35.3	WPT152	Kadleroshilik River	Aerial Span	1000	12	150.8
35.5	WPT153	Pond	Aerial Span	155	3	9.4
35.9	WPT154	Pond	Aerial Span	260	5	15.7
38.1	WPT155.1	Pond	Aerial Span	300	6	18.8
39.1	WPT155.11	Pond	Aerial Span	140	2	6.3
39.7	WPT159	Pond	Aerial Span	160	3	9.4
39.9	WPT159.01	Pond	Aerial Span	240	4	12.6
40.1	WPT159.02	Pond	Aerial Span	100	2	6.3
40.3	WPT159.2	Pond	Aerial Span	125	2	6.3
40.4	WPT159.3	Pond	Aerial Span	170	3	9.4
40.7	WPT168	Pond	Aerial Span	125	2	6.3
40.8	WPT168.1	Pond	Aerial Span	80	1	3.1
41.0	WPT168.2	Pond	Aerial Span	120	2	6.3
41.4	WPT168.3	Pond	Aerial Span	160	3	9.4
41.5	WPT169.1	Pond	Aerial Span	280	5	15.7
42.0	WPT169.3	Pond	Aerial Span	50	1	3.1
42.3	WPT174	East Sagavanirktok Creek	Aerial Span	115	2	6.3
42.4	WPT175	Pond	Aerial Span	52	1	3.1
42.7	WPT176	Pond	Aerial Span	1065	21	66.0
42.9	WPT177	Pond	Aerial Span	420	8	25.1
44.2	WPT181-B	Sagavanirktok River - Main Channel	Aerial Span	2900	38	477.5
44.6	WPT182-B	Unnamed Tributary to Sagavanirktok River	Aerial Span	250	5	15.7
45.2	WPT182.1	Unnamed Tributary to Sagavanirktok River	Aerial Span	80	1	3.1
45.4	WPT182.2	Unnamed Tributary to Sagavanirktok River	Aerial Span	75	1	3.1
45.9	WPT192-B	Pond	Aerial Span	800	16	50.3
46.2	WPT194.1	Pond	Aerial Span	130	2	6.3
46.9	WPT196	Pond	Aerial Span	60	1	3.1
49.1	WPT197-B	Unnamed Tributary to Sagavanirktok River	Aerial Span	1750	35	110.0
50.2	WPT197.1	Pond	Aerial Span	560	11	34.6

TABLE I-6 (cont'd)

**PTTL Vertical Support Member Waterbody Impacts**

Milepost	Waterbody Crossing ID	Waterbody Name	Proposed Crossing Method	Bank Width (feet)	Number of VSMS in Waterbody <sup>a</sup>	VSM Waterbody Impact (square feet) <sup>b</sup>
50.5	WPT197.2	Unnamed Tributary to Sagavanirktok River	Aerial Span	130	2	6.3
51.2	WPT200	Unnamed Tributary to Sagavanirktok River	Aerial Span	170	3	9.4
51.9	WPT201	Unnamed Tributary to Sagavanirktok River	Aerial Span	150	3	9.4
52.2	WPT202	Unnamed Tributary to Sagavanirktok River	Aerial Span	130	2	6.3
56.3	WPT209	Unnamed Stream	Aerial Span	65	1	3.1
56.4	WPT209.1	Pond	Aerial Span	145	2	6.3
56.4	WPT211	Pond	Aerial Span	80	1	3.1
58.5	WPT214	Pond	Aerial Span	390	7	22.0
59.6	WPT215	Unnamed Tributary to Putuligayuk River	Aerial Span	130	2	6.3
61.3	WPT221-B	Putuligayuk River	Aerial Span	300	6	18.8
<b>Total</b>					<b>364</b>	<b>1671.3</b>

Note: VSMS data current as of November 26, 2018, and based on rev D alignment.

ID = identification; PTTL = Point Thomson Unit Gas Transmission Line; VSM = vertical support member

<sup>a</sup> VSM spacing is 50 feet, except at the Shaviovik River East, Kadleroshilik River, and Sagavanirktok River - Main Channel where spacing is 150 feet.

<sup>b</sup> All VSMS are 24 inches in diameter except at the Shaviovik River East, Kadleroshilik River, and Sagavanirktok River - Main Channel which will use 48-inch-diameter VSMS.

TABLE I-7

## Waterbodies Affected by the GTP and Liquefaction Facilities

Facility/Facility Name	Waterbody Crossing ID	Waterbody Name	Flow Classification <sup>a</sup>	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species	AFFI Species <sup>b</sup>	Field Season Surveys / Species <sup>c</sup>	Essential Fish Habitat	Over-wintering	Spawning Upstream <sup>d</sup>	Special Fisheries Concerns <sup>e</sup>	Waterbody Impact (acres)
<b>GTP</b>														
<b>Kuparuk River Sub-watershed (HUC8)</b>														
Water reservoir pad	WBC061-RESVR-PAD	Unnamed Oxbow of the Putuligayuk River	PN	Winter	Yes	None	N/A	ND	AW, BC, DV, LC, OM, W (ADFG), BW, CA, CS, LT, SB (TAPS)	None	Unk.	AWr, BCr, DVr, LCr, Wr	4,5	0.5
GTP pad	WBC063-GTP-PAD	Unnamed pond	O	Winter	No	None	N/A	ND	None	None	No	No	None	1.9
Associated transfer pipelines	WBC064-GTP-ROW	Unnamed pond	O	Winter	No	None	N/A	ND	None	None	No	No	None	<0.1 <sup>h</sup>
<b>Liquefaction Facilities</b>														
<b>Upper Kenai Peninsula Sub-watershed (HUC8)</b>														
LNG Plant	WBC069-LNG	Unnamed pond	O	Summer	No	None	N/A	ND	None	None	No	No	None	2.2 <sup>i</sup>
Notes: The State of Alaska 2014/2016 <i>Final Integrated Water Quality Monitoring and Assessment Report</i> , dated November 2, 2018 (ADEC, 2018d), classifies all waterbodies within the GTP and Liquefaction Facility as category 1, meaning all Water Quality Standards for all designated uses are attained. Facilities current as of December 20, 2019.														
AWC = Anadromous Waters Catalog; AFFI = Alaska Freshwater Fish Inventory Database; GTP = Gas Treatment Plant; HUC = Hydraulic Unit Code; ID = identification; N/A = Not applicable; ND = no data; Unk. = Unknown														
<sup>a</sup> Flow classification based on U.S. Geological Survey National Hydrographic Dataset (USGS, 2019e) and LiDAR imagery (ADNR DGGs, 2018). Perennial = PN and Pond/Open Water = O.														
<sup>b</sup> Review involved the AFFI Database, including anadromous and resident freshwater fish occurrence data sets compiled from a variety of sources (ADF&G, 2018a).														



TABLE I-7 (cont'd)

**Waterbodies Affected by the GTP and Liquefaction Facilities**

Facility/Facility Name	Waterbody Crossing ID	Waterbody Name	Flow Classification <sup>a</sup>	Proposed Construction Season	Potential In-Stream Blasting	AWC Code	AWC Species	AFFI Species <sup>b</sup>	Field Season Surveys / Species <sup>c</sup>	Essential Fish Habitat	Over-wintering	Spawning Upstream <sup>d</sup>	Special Fisheries Concerns <sup>e</sup>	Waterbody Impact (acres)
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<sup>c</sup> Field Season Surveys from Alaska LNG (AECOM); Alaska Department of Fish and Game (ADFG); and the Trans Alaska Pipeline System (TAPS). 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	: <i>Dallia pectoralis</i>
AC	= Arctic char	: <i>Salvelinus alpinus</i>
AL	= Arctic lamprey	: <i>Lampetra japonica</i>
AS	= American shad	: <i>Alosa sapidissima</i>
BB	= Burbot	: <i>Lota lota</i>
BC	= Bering cisco	: <i>Coregonus laurettae</i>
BL	= American brook lamprey	: <i>Lampetra sp.</i>
BW	= Broad whitefish	: <i>Coregonus nasus</i>
CA	= Arctic cisco	: <i>Coregonus autumnalis</i>
CD	= Sculpin	: <i>Family Cottidae</i>
CI	= Cisco	: <i>Coregonus sp.</i>
CN	= Slimy sculpin	: <i>Cottus cognatus</i>
CS	= Least cisco	: <i>Coregonus sardinella</i>
CT	= Cutthroat trout	: <i>Oncorhynchus clarkii</i>
DS	= Dog (Chum) salmon	: <i>Oncorhynchus keta</i>
DV	= Dolly varden	: <i>Salvelinus malma</i>
GR	= Grayling	: <i>Thymallus arcticus</i>
HO	= Pond Smelt	: <i>Hypomesus olidus</i>

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

<sup>d</sup> No = no known spawning habitat or data is not available.

<sup>e</sup> 4 = documented occurrence of developmental life phase of an anadromous fish species; 5 = documented occurrence of anadromous fish