

ALASKA LNG PROJECT	DOCKET No. CP17-___-000 RESOURCE REPORT No. 7 APPENDIX C – EXTENDED TABLES FOR RESOURCE REPORT No. 7	DOC No: USAI-PE-SRREG-00- 000007-000 DATE: APRIL 14, 2017 REVISION: 0
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APPENDIX C EXTENDED TABLES FOR RESOURCE REPORT NO. 7

Table 1: Potential Permafrost Stability Disruption within the Alaska LNG Project Area

Table 2: Soils of Local Importance Affected by the Project Mainline

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
LNG Terminal	N/A	N/A	N/A	0	N/A	N/A	Unknown
INTERDEPENDENT PROJECT FACILITIES							
PIPELINES							
Mainline	0	3.19	3.19	1	3.19	TU	Winter
Mainline	3.19	3.26	0.07	0.95	0.07	TS	Winter
Mainline	3.26	64.83	61.57	1	61.57	TU	Winter
Mainline	64.83	65.98	1.15	0	0	NA	Summer
Mainline	65.98	67.35	1.37	1	1.37	TU	Summer
Mainline	67.35	67.37	0.02	1	0.02	TS	Summer
Mainline	67.37	67.45	0.08	1	0.08	TU	Summer
Mainline	67.45	67.47	0.02	1	0.02	TS	Summer
Mainline	67.47	68.75	1.28	0	0	NA	Summer
Mainline	68.75	73.58	4.83	1	4.83	TU	Summer
Mainline	73.58	73.76	0.17	0.65	0.11	TU	Summer
Mainline	73.76	74.87	1.11	1	1.11	TU	Summer
Mainline	74.87	74.99	0.12	1	0.12	TS	Summer
Mainline	74.99	79.63	4.64	1	4.64	TU	Summer
Mainline	79.63	79.93	0.3	0.9	0.27	TU	Summer
Mainline	79.93	80.7	0.78	1	0.78	TU	Summer
Mainline	80.7	80.71	0.01	1	0.01	TS	Summer
Mainline	80.71	90.25	9.54	1	9.54	TU	Summer
Mainline	90.25	90.37	0.13	0.65	0.08	TU	Summer
Mainline	90.37	90.94	0.56	0.5	0.28	TU	Summer
Mainline	90.94	91	0.06	1	0.06	TU	Summer
Mainline	91	91.62	0.62	0.5	0.31	TU	Summer
Mainline	91.62	91.7	0.09	1	0.09	TU	Summer
Mainline	91.7	92.25	0.55	0.5	0.28	TU	Summer
Mainline	92.25	92.4	0.14	1	0.14	TU	Summer
Mainline	92.4	96.54	4.14	0.5	2.07	TU	Summer
Mainline	96.54	96.93	0.39	1	0.39	TU	Summer
Mainline	96.93	99.55	2.62	0.5	1.31	TU	Summer
Mainline	99.55	108.61	9.06	1	9.06	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	108.61	108.62	0.01	0.95	0.01	TU	Summer
Mainline	108.62	108.65	0.04	0.1	0	TU	Summer
Mainline	108.65	108.66	0.01	0.7	0	TU	Summer
Mainline	108.66	108.96	0.3	0.55	0.17	TU	Summer
Mainline	108.96	109.19	0.22	0.55	0.12	TS	Summer
Mainline	109.19	113.61	4.43	0.55	2.43	TU	Summer
Mainline	113.61	113.63	0.02	0.95	0.02	TU	Summer
Mainline	113.63	114.25	0.62	0.55	0.34	TU	Summer
Mainline	114.25	114.91	0.66	0.1	0.07	TU	Summer
Mainline	114.91	114.93	0.02	0.35	0.01	TU	Winter
Mainline	114.93	114.95	0.02	0.55	0.01	TU	Winter
Mainline	114.95	114.97	0.02	0.75	0.01	TU	Winter
Mainline	114.97	130.89	15.92	1	15.92	TU	Winter
Mainline	130.89	130.9	0.01	0.95	0.01	TU	Winter
Mainline	130.9	148.44	17.54	1	17.54	TU	Winter
Mainline	148.44	149.34	0.9	1	0.9	TS	Winter
Mainline	149.34	150.86	1.52	1	1.52	TU	Winter
Mainline	150.86	151.3	0.44	1	0.44	TS	Winter
Mainline	151.3	155.24	3.94	1	3.94	TU	Winter
Mainline	155.24	157.1	1.86	1	1.86	TS	Winter
Mainline	157.1	157.37	0.27	0.95	0.25	TS	Winter
Mainline	157.37	157.47	0.1	1	0.1	TU	Winter
Mainline	157.47	157.48	0.01	0.95	0.01	TU	Winter
Mainline	157.48	157.55	0.07	1	0.07	TU	Winter
Mainline	157.55	157.57	0.02	0.95	0.02	TS	Winter
Mainline	157.57	157.62	0.05	1	0.05	TS	Winter
Mainline	157.62	157.66	0.04	0.75	0.03	TS	Winter
Mainline	157.66	158.02	0.35	1	0.35	TS	Winter
Mainline	158.02	158.02	0	1	0	TU	Winter
Mainline	158.02	158.17	0.15	1	0.15	TS	Winter
Mainline	158.17	158.32	0.14	1	0.14	TU	Winter
Mainline	158.32	159.01	0.7	1	0.7	TS	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	159.01	159.81	0.79	1	0.79	TU	Winter
Mainline	159.81	160.81	1	1	1	TS	Winter
Mainline	160.81	161.88	1.07	1	1.07	TU	Winter
Mainline	161.88	162.45	0.57	1	0.57	TS	Winter
Mainline	162.45	162.53	0.08	0.6	0.05	TS	Winter
Mainline	162.53	162.53	0	0.8	0	TS	Winter
Mainline	162.53	163.1	0.57	1	0.57	TS	Winter
Mainline	163.1	163.12	0.02	0.05	0	TS	Winter
Mainline	163.12	163.12	0	0.2	0	TS	Winter
Mainline	163.12	163.17	0.05	1	0.05	TS	Winter
Mainline	163.17	164.65	1.47	1	1.47	TU	Winter
Mainline	164.65	165.33	0.68	1	0.68	TS	Winter
Mainline	165.33	165.46	0.13	0.7	0.09	TS	Winter
Mainline	165.46	165.63	0.17	0.05	0.01	TS	Winter
Mainline	165.63	165.76	0.13	1	0.13	TS	Winter
Mainline	165.76	166.32	0.55	0.5	0.28	TS	Winter
Mainline	166.32	167.59	1.28	0	0	NA	Winter
Mainline	167.59	167.66	0.07	1	0.07	TS	Winter
Mainline	167.66	167.82	0.15	1	0.15	TU	Winter
Mainline	167.82	168.63	0.82	1	0.82	TS	Winter
Mainline	168.63	169.11	0.47	1	0.47	TU	Winter
Mainline	169.11	169.13	0.02	0.75	0.02	TU	Winter
Mainline	169.13	169.77	0.64	1	0.64	TU	Winter
Mainline	169.77	169.97	0.2	1	0.2	TS	Summer
Mainline	169.97	170.28	0.31	1	0.31	TU	Summer
Mainline	170.28	170.35	0.07	0.35	0.03	TU	Summer
Mainline	170.35	170.54	0.19	1	0.19	TU	Summer
Mainline	170.54	170.6	0.06	0.35	0.02	TU	Summer
Mainline	170.6	170.75	0.16	1	0.16	TU	Summer
Mainline	170.75	170.93	0.18	0.35	0.06	TU	Summer
Mainline	170.93	171.8	0.87	1	0.87	TU	Summer
Mainline	171.8	171.9	0.1	1	0.1	TS	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	171.9	171.97	0.07	0.95	0.06	TS	Summer
Mainline	171.97	173.49	1.52	0.95	1.45	TU	Summer
Mainline	173.49	173.82	0.33	1	0.33	TU	Summer
Mainline	173.82	173.86	0.03	0.9	0.03	TU	Summer
Mainline	173.86	174.31	0.45	1	0.45	TU	Summer
Mainline	174.31	174.32	0.02	0.95	0.02	TU	Summer
Mainline	174.32	174.75	0.42	1	0.42	TU	Summer
Mainline	174.75	174.85	0.1	0.95	0.1	TU	Summer
Mainline	174.85	174.88	0.03	1	0.03	TU	Summer
Mainline	174.88	175.22	0.35	0.95	0.33	TU	Summer
Mainline	175.22	175.56	0.34	1	0.34	TU	Summer
Mainline	175.56	175.57	0.01	0.95	0.01	TU	Summer
Mainline	175.57	175.64	0.07	1	0.07	TU	Summer
Mainline	175.64	175.67	0.03	0.25	0.01	TU	Summer
Mainline	175.67	175.92	0.25	0.25	0.06	TS	Summer
Mainline	175.92	176.06	0.14	0.25	0.04	TU	Summer
Mainline	176.06	177.31	1.25	0.65	0.81	TU	Summer
Mainline	177.31	177.89	0.58	0.5	0.29	TU	Summer
Mainline	177.89	181.79	3.9	0	0	NA	Summer
Mainline	181.79	182.23	0.44	1	0.44	TS	Summer
Mainline	182.23	182.52	0.3	1	0.3	TU	Summer
Mainline	182.52	182.68	0.16	0	0	NA	Summer
Mainline	182.68	183.2	0.52	1	0.52	TU	Summer
Mainline	183.2	183.44	0.23	0.6	0.14	TU	Summer
Mainline	183.44	183.67	0.24	1	0.24	TU	Summer
Mainline	183.67	184.54	0.86	0.5	0.43	TU	Summer
Mainline	184.54	184.55	0.02	0.5	0.01	TS	Summer
Mainline	184.55	184.74	0.19	1	0.19	TS	Summer
Mainline	184.74	185.01	0.27	0.5	0.14	TU	Summer
Mainline	185.01	185.03	0.02	1	0.02	TU	Summer
Mainline	185.03	185.08	0.05	0.8	0.04	TU	Summer
Mainline	185.08	186.39	1.31	1	1.31	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	186.39	186.39	0	0.3	0	TU	Summer
Mainline	186.39	186.44	0.04	0.5	0.02	TU	Summer
Mainline	186.44	187.28	0.84	1	0.84	TU	Summer
Mainline	187.28	187.41	0.13	0.05	0.01	TU	Summer
Mainline	187.41	187.52	0.11	0.95	0.11	TU	Summer
Mainline	187.52	187.64	0.11	0.5	0.06	TS	Summer
Mainline	187.64	187.65	0.01	0.7	0.01	TS	Summer
Mainline	187.65	187.69	0.04	0.7	0.03	TU	Summer
Mainline	187.69	187.79	0.1	1	0.1	TU	Summer
Mainline	187.79	187.82	0.02	0.75	0.02	TU	Summer
Mainline	187.82	187.98	0.16	0.7	0.11	TU	Summer
Mainline	187.98	188.08	0.1	1	0.1	TU	Summer
Mainline	188.08	188.08	0	0.85	0	TU	Summer
Mainline	188.08	188.09	0.01	0.75	0.01	TU	Summer
Mainline	188.09	188.6	0.51	0.7	0.36	TU	Summer
Mainline	188.6	188.6	0	0.4	0	TU	Summer
Mainline	188.6	189.11	0.51	0.25	0.13	TU	Summer
Mainline	189.11	189.12	0.02	0.4	0.01	TU	Summer
Mainline	189.12	189.14	0.02	0.65	0.01	TU	Summer
Mainline	189.14	189.44	0.29	1	0.29	TU	Summer
Mainline	189.44	189.45	0.01	0.75	0.01	TS	Summer
Mainline	189.45	189.46	0.01	0.4	0	TS	Summer
Mainline	189.46	189.53	0.08	0.25	0.02	TS	Summer
Mainline	189.53	189.54	0.01	0.7	0	TS	Summer
Mainline	189.54	189.79	0.25	0.7	0.17	TU	Summer
Mainline	189.79	190.62	0.83	0.65	0.54	TU	Summer
Mainline	190.62	190.66	0.05	0.25	0.01	TU	Summer
Mainline	190.66	190.8	0.13	0.25	0.03	TS	Summer
Mainline	190.8	191.59	0.8	0.7	0.56	TS	Summer
Mainline	191.59	192.52	0.93	0.25	0.23	TS	Summer
Mainline	192.52	192.53	0	0.05	0	TS	Summer
Mainline	192.53	193.19	0.67	0.25	0.17	TS	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	193.19	193.21	0.02	0.05	0	TS	Summer
Mainline	193.21	193.29	0.08	0.25	0.02	TS	Summer
Mainline	193.29	193.6	0.31	0	0	NA	Summer
Mainline	193.6	193.67	0.07	0.05	0	TS	Summer
Mainline	193.67	193.67	0	0.65	0	TS	Summer
Mainline	193.67	194.61	0.94	0.7	0.66	TS	Summer
Mainline	194.61	194.64	0.02	1	0.02	TS	Summer
Mainline	194.64	194.78	0.14	0.55	0.08	TS	Summer
Mainline	194.78	194.89	0.11	0.55	0.06	TU	Summer
Mainline	194.89	194.9	0	1	0	TS	Summer
Mainline	194.9	194.9	0	0.85	0	TS	Summer
Mainline	194.9	194.9	0	0.6	0	TS	Summer
Mainline	194.9	194.91	0	0.4	0	TS	Summer
Mainline	194.91	194.91	0	0.2	0	TS	Summer
Mainline	194.91	194.95	0.04	0	0	NA	Summer
Mainline	194.95	194.96	0	0.2	0	TS	Summer
Mainline	194.96	194.96	0.01	0.4	0	TS	Summer
Mainline	194.96	194.97	0.01	0.65	0	TS	Summer
Mainline	194.97	195.39	0.42	0.7	0.29	TS	Summer
Mainline	195.39	195.4	0.01	0.75	0.01	TU	Summer
Mainline	195.4	197.71	2.31	1	2.31	TU	Summer
Mainline	197.71	197.73	0.01	0.95	0.01	TU	Summer
Mainline	197.73	197.75	0.03	0.05	0	TU	Summer
Mainline	197.75	199.07	1.32	1	1.32	TU	Summer
Mainline	199.07	199.08	0	1	0	TS	Summer
Mainline	199.08	199.09	0.02	0.05	0	TS	Summer
Mainline	199.09	199.1	0	0.95	0	TS	Summer
Mainline	199.1	200.63	1.53	1	1.53	TU	Summer
Mainline	200.63	200.63	0.01	0.45	0	TU	Summer
Mainline	200.63	200.66	0.03	0.05	0	TU	Summer
Mainline	200.66	200.74	0.08	0.75	0.06	TU	Summer
Mainline	200.74	201.34	0.6	1	0.6	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	201.34	201.71	0.37	1	0.37	TS	Summer
Mainline	201.71	201.82	0.11	0.15	0.02	TS	Summer
Mainline	201.82	201.91	0.1	0.7	0.07	TS	Summer
Mainline	201.91	202.17	0.26	1	0.26	TS	Summer
Mainline	202.17	204.73	2.56	1	2.56	TU	Summer
Mainline	204.73	204.75	0.01	1	0.01	TS	Summer
Mainline	204.75	204.78	0.03	0.25	0.01	TS	Summer
Mainline	204.78	204.78	0.01	0.25	0	TU	Summer
Mainline	204.78	204.79	0	0.4	0	TU	Summer
Mainline	204.79	204.79	0	0.7	0	TU	Summer
Mainline	204.79	207.35	2.56	1	2.56	TU	Summer
Mainline	207.35	207.53	0.18	0.05	0.01	TU	Summer
Mainline	207.53	207.55	0.02	0.25	0	TU	Summer
Mainline	207.55	207.57	0.02	0.45	0.01	TU	Summer
Mainline	207.57	207.59	0.02	0.6	0.01	TU	Summer
Mainline	207.59	207.6	0.02	0.8	0.02	TU	Summer
Mainline	207.6	208.07	0.47	1	0.47	TU	Summer
Mainline	208.07	208.67	0.59	1	0.59	TS	Summer
Mainline	208.67	208.82	0.15	0.05	0.01	TS	Summer
Mainline	208.82	208.97	0.15	0.7	0.11	TS	Summer
Mainline	208.97	208.99	0.02	0.05	0	TS	Winter
Mainline	208.99	209.18	0.19	0.7	0.13	TS	Winter
Mainline	209.18	209.19	0.01	0.85	0.01	TS	Winter
Mainline	209.19	209.2	0.01	0.95	0.01	TS	Winter
Mainline	209.2	209.27	0.07	0.55	0.04	TS	Winter
Mainline	209.27	209.37	0.1	0.05	0	TS	Winter
Mainline	209.37	210.4	1.03	1	1.03	TS	Winter
Mainline	210.4	210.44	0.03	0.85	0.03	TS	Winter
Mainline	210.44	211.08	0.64	0.8	0.51	TS	Winter
Mainline	211.08	211.08	0	0.2	0	TS	Winter
Mainline	211.08	211.42	0.35	0.15	0.05	TS	Winter
Mainline	211.42	211.96	0.53	1	0.53	TU	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	211.96	213.01	1.05	0.7	0.74	TU	Winter
Mainline	213.01	218.41	5.4	1	5.4	TU	Winter
Mainline	218.41	218.46	0.05	0.25	0.01	TS	Winter
Mainline	218.46	218.56	0.1	0	0	NA	Winter
Mainline	218.56	219.02	0.46	0.3	0.14	TS	Winter
Mainline	219.02	219.12	0.1	0	0	NA	Winter
Mainline	219.12	219.3	0.18	0.6	0.11	TS	Winter
Mainline	219.3	219.48	0.18	0.7	0.13	TS	Winter
Mainline	219.48	221.11	1.63	1	1.63	TU	Winter
Mainline	221.11	221.3	0.19	0.7	0.14	TS	Winter
Mainline	221.3	221.33	0.02	0.95	0.02	TU	Winter
Mainline	221.33	221.41	0.09	1	0.09	TU	Winter
Mainline	221.41	221.42	0.01	0.7	0.01	TU	Winter
Mainline	221.42	221.52	0.1	1	0.1	TU	Winter
Mainline	221.52	221.56	0.03	0.6	0.02	TU	Winter
Mainline	221.56	221.57	0.01	0.8	0.01	TU	Winter
Mainline	221.57	222.72	1.15	1	1.15	TU	Winter
Mainline	222.72	222.83	0.11	0.65	0.07	TU	Winter
Mainline	222.83	223.96	1.13	1	1.13	TU	Winter
Mainline	223.96	224.28	0.32	0.65	0.21	TU	Winter
Mainline	224.28	226.46	2.18	1	2.18	TU	Winter
Mainline	226.46	226.57	0.11	0	0	NA	Winter
Mainline	226.57	226.97	0.4	0.6	0.24	TU	Winter
Mainline	226.97	227.04	0.07	1	0.07	TU	Winter
Mainline	227.04	227.73	0.69	0.6	0.41	TU	Winter
Mainline	227.73	227.78	0.05	0.8	0.04	TU	Winter
Mainline	227.78	229.01	1.24	1	1.24	TU	Winter
Mainline	229.01	229.12	0.1	0.7	0.07	TU	Winter
Mainline	229.12	229.19	0.07	0.05	0	TU	Winter
Mainline	229.19	229.89	0.71	0.85	0.6	TU	Winter
Mainline	229.89	230.49	0.59	1	0.59	TU	Winter
Mainline	230.49	230.49	0.01	0.95	0.01	TU	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	230.49	232.13	1.64	0.85	1.39	TU	Winter
Mainline	232.13	234.42	2.29	1	2.29	TU	Winter
Mainline	234.42	234.62	0.2	1	0.2	TS	Winter
Mainline	234.62	234.63	0.02	0.6	0.01	TU	Winter
Mainline	234.63	235.18	0.55	1	0.55	TU	Winter
Mainline	235.18	235.2	0.02	0.7	0.01	TU	Winter
Mainline	235.2	235.5	0.3	0.7	0.21	TS	Winter
Mainline	235.5	235.94	0.44	0.25	0.11	TS	Winter
Mainline	235.94	235.98	0.04	0.85	0.04	TU	Winter
Mainline	235.98	236.21	0.23	0.85	0.19	TS	Winter
Mainline	236.21	236.31	0.1	0.75	0.08	TS	Winter
Mainline	236.31	236.37	0.06	0.7	0.04	TU	Winter
Mainline	236.37	236.57	0.2	0.25	0.05	TU	Winter
Mainline	236.57	236.59	0.02	0.05	0	TU	Winter
Mainline	236.59	236.71	0.12	0	0	NA	Winter
Mainline	236.71	236.9	0.19	0.75	0.14	TU	Winter
Mainline	236.9	237.55	0.64	1	0.64	TU	Winter
Mainline	237.55	237.59	0.04	0.05	0	TU	Winter
Mainline	237.59	238.25	0.66	1	0.66	TU	Winter
Mainline	238.25	238.32	0.07	1	0.07	TS	Winter
Mainline	238.32	240.91	2.6	1	2.6	TU	Winter
Mainline	240.91	240.93	0.02	0.05	0	TU	Winter
Mainline	240.93	241	0.07	0	0	NA	Winter
Mainline	241	241.23	0.23	0.25	0.06	TU	Winter
Mainline	241.23	241.55	0.32	1	0.32	TU	Winter
Mainline	241.55	241.57	0.02	0.85	0.02	TU	Winter
Mainline	241.57	246.16	4.58	1	4.58	TU	Winter
Mainline	246.16	246.25	0.09	0.25	0.02	TU	Winter
Mainline	246.25	247.64	1.4	0.95	1.33	TU	Winter
Mainline	247.64	247.7	0.06	0.85	0.05	TU	Winter
Mainline	247.7	247.86	0.15	1	0.15	TU	Winter
Mainline	247.86	247.9	0.04	0.05	0	TU	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	247.9	248.38	0.49	1	0.49	TU	Winter
Mainline	248.38	248.63	0.25	0.95	0.24	TU	Winter
Mainline	248.63	248.66	0.03	0.8	0.03	TU	Winter
Mainline	248.66	248.8	0.13	0.85	0.11	TU	Winter
Mainline	248.8	248.88	0.08	0.7	0.06	TU	Winter
Mainline	248.88	249.06	0.17	0	0	NA	Winter
Mainline	249.06	249.32	0.27	0.7	0.19	TU	Winter
Mainline	249.32	249.99	0.66	1	0.66	TU	Winter
Mainline	249.99	251.27	1.29	0.9	1.16	TU	Winter
Mainline	251.27	251.34	0.07	0.8	0.05	TU	Summer
Mainline	251.34	252.38	1.04	1	1.04	TU	Summer
Mainline	252.38	252.39	0.01	0.7	0.01	TU	Summer
Mainline	252.39	252.4	0.01	0.25	0	TU	Summer
Mainline	252.4	252.47	0.07	0.05	0	TU	Summer
Mainline	252.47	257.31	4.85	1	4.85	TU	Summer
Mainline	257.31	257.4	0.09	0.85	0.08	TU	Summer
Mainline	257.4	260.56	3.16	1	3.16	TU	Summer
Mainline	260.56	260.79	0.22	0.05	0.01	TU	Summer
Mainline	260.79	260.79	0.01	0.65	0	TU	Summer
Mainline	260.79	262.67	1.88	1	1.88	TU	Summer
Mainline	262.67	262.68	0.01	0.3	0	TU	Summer
Mainline	262.68	262.78	0.1	0.25	0.03	TU	Summer
Mainline	262.78	262.83	0.04	0.7	0.03	TU	Summer
Mainline	262.83	264.05	1.22	1	1.22	TU	Summer
Mainline	264.05	264.1	0.05	0.7	0.04	TU	Summer
Mainline	264.1	266.15	2.05	1	2.05	TU	Summer
Mainline	266.15	266.21	0.06	0.65	0.04	TU	Summer
Mainline	266.21	271.03	4.82	1	4.82	TU	Summer
Mainline	271.03	271.41	0.38	1	0.38	TS	Summer
Mainline	271.41	271.45	0.05	0.05	0	TU	Summer
Mainline	271.45	271.47	0.02	0.7	0.01	TU	Summer
Mainline	271.47	271.75	0.28	1	0.28	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	271.75	272.1	0.35	0.7	0.24	TU	Summer
Mainline	272.1	272.31	0.22	0.05	0.01	TU	Summer
Mainline	272.31	272.46	0.14	0	0	NA	Summer
Mainline	272.46	272.55	0.09	0.25	0.02	TU	Summer
Mainline	272.55	272.56	0.02	0.7	0.01	TU	Summer
Mainline	272.56	274.65	2.08	1	2.08	TU	Summer
Mainline	274.65	274.67	0.03	0.75	0.02	TU	Summer
Mainline	274.67	274.68	0	0.7	0	TU	Summer
Mainline	274.68	274.7	0.02	0.15	0	TU	Summer
Mainline	274.7	274.86	0.16	0.7	0.11	TU	Summer
Mainline	274.86	281.3	6.44	1	6.44	TU	Summer
Mainline	281.3	281.36	0.05	0	0	NA	Summer
Mainline	281.36	281.44	0.08	0.3	0.03	TU	Summer
Mainline	281.44	282.49	1.05	1	1.05	TU	Summer
Mainline	282.49	283.82	1.34	1	1.34	TS	Summer
Mainline	283.82	283.9	0.08	0.25	0.02	TS	Summer
Mainline	283.9	283.91	0.01	0.35	0	TS	Summer
Mainline	283.91	284.21	0.3	0.7	0.21	TS	Summer
Mainline	284.21	284.24	0.02	0.7	0.02	TU	Summer
Mainline	284.24	284.85	0.61	0.25	0.15	TU	Summer
Mainline	284.85	285.99	1.15	1	1.15	TU	Summer
Mainline	285.99	286.1	0.1	1	0.1	TS	Summer
Mainline	286.1	286.8	0.7	1	0.7	TU	Summer
Mainline	286.8	286.98	0.18	0.7	0.13	TU	Summer
Mainline	286.98	287.04	0.06	0.05	0	TU	Summer
Mainline	287.04	287.51	0.47	0.2	0.09	TU	Summer
Mainline	287.51	287.56	0.05	0.25	0.01	TS	Summer
Mainline	287.56	287.61	0.05	0.9	0.05	TS	Summer
Mainline	287.61	287.85	0.24	0	0	NA	Summer
Mainline	287.85	288.18	0.33	0.25	0.08	TU	Summer
Mainline	288.18	288.35	0.17	0.7	0.12	TU	Summer
Mainline	288.35	288.37	0.02	0.65	0.01	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	288.37	288.38	0.01	0.05	0	TU	Summer
Mainline	288.38	288.47	0.09	0.05	0	TS	Summer
Mainline	288.47	288.49	0.02	0.05	0	TU	Summer
Mainline	288.49	288.51	0.02	0.05	0	TS	Summer
Mainline	288.51	288.59	0.08	1	0.08	TS	Summer
Mainline	288.59	288.72	0.13	0.7	0.09	TS	Summer
Mainline	288.72	288.74	0.01	0.75	0.01	TS	Summer
Mainline	288.74	288.78	0.05	1	0.05	TS	Summer
Mainline	288.78	288.86	0.07	0.75	0.06	TS	Summer
Mainline	288.86	289.35	0.5	0.7	0.35	TU	Summer
Mainline	289.35	289.37	0.02	1	0.02	TU	Summer
Mainline	289.37	289.4	0.03	0.7	0.02	TU	Summer
Mainline	289.4	289.41	0.01	0.9	0.01	TU	Summer
Mainline	289.41	289.44	0.02	0.8	0.02	TU	Summer
Mainline	289.44	289.7	0.27	1	0.27	TU	Summer
Mainline	289.7	289.71	0.01	0.9	0.01	TU	Summer
Mainline	289.71	289.83	0.12	0.25	0.03	TU	Summer
Mainline	289.83	289.86	0.02	0.3	0.01	TU	Summer
Mainline	289.86	289.93	0.07	0.7	0.05	TU	Summer
Mainline	289.93	289.94	0.01	0.65	0	TU	Summer
Mainline	289.94	289.94	0.01	0.05	0	TU	Summer
Mainline	289.94	290.24	0.3	0	0	NA	Summer
Mainline	290.24	290.37	0.13	0.25	0.03	TU	Summer
Mainline	290.37	290.38	0.01	1	0.01	TU	Summer
Mainline	290.38	292.27	1.89	1	1.89	TS	Summer
Mainline	292.27	293.58	1.31	0.7	0.92	TS	Summer
Mainline	293.58	293.76	0.18	0.7	0.13	TU	Summer
Mainline	293.76	294.08	0.32	0.7	0.22	TS	Summer
Mainline	294.08	297.21	3.13	1	3.13	TS	Summer
Mainline	297.21	297.37	0.16	1	0.16	TU	Summer
Mainline	297.37	297.86	0.49	1	0.49	TS	Summer
Mainline	297.86	297.97	0.11	0.05	0.01	TS	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	297.97	298.73	0.76	0	0	NA	Summer
Mainline	298.73	298.76	0.03	0.7	0.02	TU	Summer
Mainline	298.76	298.85	0.09	0	0	NA	Summer
Mainline	298.85	298.88	0.03	0.2	0.01	TU	Summer
Mainline	298.88	299.57	0.69	1	0.69	TU	Summer
Mainline	299.57	299.79	0.21	1	0.21	TS	Summer
Mainline	299.79	300.36	0.57	0	0	NA	Summer
Mainline	300.36	300.41	0.05	0.3	0.01	TU	Summer
Mainline	300.41	300.54	0.13	1	0.13	TU	Summer
Mainline	300.54	300.65	0.11	1	0.11	TS	Summer
Mainline	300.65	300.92	0.27	0.5	0.13	TS	Summer
Mainline	300.92	301.21	0.29	0.25	0.07	TS	Summer
Mainline	301.21	301.55	0.33	0	0	NA	Summer
Mainline	301.55	302.2	0.66	1	0.66	TU	Summer
Mainline	302.2	302.42	0.21	0.1	0.02	TU	Summer
Mainline	302.42	302.5	0.08	0.5	0.04	TU	Summer
Mainline	302.5	302.65	0.15	1	0.15	TU	Summer
Mainline	302.65	304.58	1.93	1	1.93	TS	Summer
Mainline	304.58	304.66	0.08	0.3	0.03	TS	Summer
Mainline	304.66	304.9	0.24	1	0.24	TS	Summer
Mainline	304.9	304.92	0.02	0.1	0	TS	Summer
Mainline	304.92	304.94	0.02	0.9	0.01	TS	Summer
Mainline	304.94	305.24	0.3	1	0.3	TS	Summer
Mainline	305.24	305.25	0.01	0.95	0.01	TS	Summer
Mainline	305.25	305.28	0.03	0.05	0	TS	Summer
Mainline	305.28	305.3	0.02	0.85	0.02	TS	Summer
Mainline	305.3	305.34	0.04	1	0.04	TS	Summer
Mainline	305.34	305.35	0.01	0.1	0	TU	Summer
Mainline	305.35	305.46	0.11	1	0.11	TU	Summer
Mainline	305.46	305.67	0.21	1	0.21	TS	Summer
Mainline	305.67	306.11	0.44	0.7	0.31	TS	Summer
Mainline	306.11	306.18	0.07	0.75	0.05	TS	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	306.18	306.39	0.22	1	0.22	TS	Summer
Mainline	306.39	307.1	0.71	1	0.71	TU	Summer
Mainline	307.1	307.12	0.01	0.95	0.01	TS	Summer
Mainline	307.12	307.13	0.02	0.1	0	TS	Summer
Mainline	307.13	307.14	0	0.95	0	TS	Summer
Mainline	307.14	307.15	0.01	1	0.01	TS	Summer
Mainline	307.15	308.6	1.45	1	1.45	TU	Summer
Mainline	308.6	308.69	0.09	0.7	0.07	TU	Summer
Mainline	308.69	310.12	1.43	1	1.43	TU	Summer
Mainline	310.12	310.14	0.02	0.95	0.02	TU	Summer
Mainline	310.14	310.16	0.02	0.5	0.01	TU	Summer
Mainline	310.16	311.14	0.98	0.7	0.69	TU	Summer
Mainline	311.14	311.34	0.2	0.7	0.14	TS	Summer
Mainline	311.34	311.48	0.15	1	0.15	TS	Summer
Mainline	311.48	311.54	0.05	0.7	0.04	TS	Summer
Mainline	311.54	312.04	0.5	1	0.5	TS	Summer
Mainline	312.04	312.37	0.33	0.7	0.23	TS	Summer
Mainline	312.37	312.49	0.11	0.7	0.08	TU	Summer
Mainline	312.49	312.51	0.03	0.4	0.01	TU	Summer
Mainline	312.51	312.99	0.47	1	0.47	TU	Summer
Mainline	312.99	316.48	3.5	1	3.5	TS	Summer
Mainline	316.48	316.59	0.11	1	0.11	TU	Summer
Mainline	316.59	318.29	1.7	1	1.7	TS	Summer
Mainline	318.29	318.51	0.22	1	0.22	TU	Summer
Mainline	318.51	319.3	0.79	1	0.79	TS	Summer
Mainline	319.3	319.75	0.46	1	0.46	TU	Summer
Mainline	319.75	320.11	0.35	1	0.35	TS	Summer
Mainline	320.11	320.75	0.64	1	0.64	TU	Summer
Mainline	320.75	321.55	0.81	1	0.81	TS	Summer
Mainline	321.55	322.19	0.64	1	0.64	TU	Summer
Mainline	322.19	323.27	1.07	1	1.07	TS	Summer
Mainline	323.27	334.12	10.85	1	10.85	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	334.12	334.14	0.02	0.15	0	TU	Summer
Mainline	334.14	334.3	0.16	1	0.16	TU	Summer
Mainline	334.3	334.55	0.25	1	0.25	TS	Summer
Mainline	334.55	334.57	0.02	0.8	0.01	TS	Summer
Mainline	334.57	334.68	0.11	0.05	0.01	TS	Summer
Mainline	334.68	334.87	0.19	1	0.19	TS	Summer
Mainline	334.87	335.3	0.43	1	0.43	TU	Summer
Mainline	335.3	335.48	0.19	0.7	0.13	TU	Summer
Mainline	335.48	336.42	0.93	1	0.93	TU	Summer
Mainline	336.42	336.43	0.01	0.75	0.01	TU	Summer
Mainline	336.43	336.47	0.04	0.7	0.03	TU	Summer
Mainline	336.47	336.49	0.02	0.75	0.01	TU	Summer
Mainline	336.49	336.52	0.03	1	0.03	TU	Summer
Mainline	336.52	337.08	0.56	0.7	0.39	TU	Summer
Mainline	337.08	337.86	0.78	1	0.78	TU	Summer
Mainline	337.86	338.04	0.18	1	0.18	TS	Summer
Mainline	338.04	338.12	0.07	0.05	0	TS	Summer
Mainline	338.12	338.14	0.02	0.05	0	TU	Summer
Mainline	338.14	338.76	0.62	1	0.62	TU	Summer
Mainline	338.76	338.86	0.1	1	0.1	TS	Summer
Mainline	338.86	339.01	0.15	0.25	0.04	TS	Summer
Mainline	339.01	339.1	0.09	0.7	0.07	TS	Summer
Mainline	339.1	339.41	0.31	0.7	0.22	TU	Summer
Mainline	339.41	340.69	1.27	1	1.27	TU	Summer
Mainline	340.69	340.83	0.14	1	0.14	TS	Summer
Mainline	340.83	340.84	0.01	0.75	0.01	TS	Summer
Mainline	340.84	340.93	0.09	0.7	0.06	TS	Summer
Mainline	340.93	340.99	0.06	0.75	0.04	TS	Summer
Mainline	340.99	341.79	0.8	1	0.8	TU	Summer
Mainline	341.79	341.86	0.07	1	0.07	TS	Summer
Mainline	341.86	341.87	0.01	0.8	0.01	TU	Summer
Mainline	341.87	341.89	0.02	0.7	0.02	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	341.89	343.04	1.15	1	1.15	TS	Summer
Mainline	343.04	343.04	0.01	0.7	0	TS	Summer
Mainline	343.04	343.45	0.41	0.25	0.1	TS	Summer
Mainline	343.45	343.48	0.03	0.7	0.02	TU	Summer
Mainline	343.48	343.49	0.01	0.9	0.01	TU	Summer
Mainline	343.49	343.5	0.01	1	0.01	TU	Summer
Mainline	343.5	343.67	0.17	1	0.17	TS	Summer
Mainline	343.67	343.69	0.01	0.1	0	TS	Summer
Mainline	343.69	343.92	0.23	0	0	NA	Summer
Mainline	343.92	343.93	0.01	0.05	0	TS	Summer
Mainline	343.93	343.94	0.01	0.65	0.01	TS	Summer
Mainline	343.94	344.17	0.24	0.7	0.16	TS	Summer
Mainline	344.17	344.31	0.14	1	0.14	TS	Summer
Mainline	344.31	344.38	0.06	0.7	0.04	TS	Summer
Mainline	344.38	344.65	0.28	0.7	0.19	TU	Summer
Mainline	344.65	344.68	0.03	0	0	NA	Summer
Mainline	344.68	344.73	0.04	0.7	0.03	TU	Summer
Mainline	344.73	346.51	1.78	1	1.78	TU	Summer
Mainline	346.51	346.56	0.06	0.05	0	TU	Summer
Mainline	346.56	346.96	0.4	1	0.4	TU	Summer
Mainline	346.96	347	0.04	0.75	0.03	TU	Summer
Mainline	347	347.29	0.29	0.7	0.2	TU	Summer
Mainline	347.29	347.32	0.04	0.75	0.03	TU	Summer
Mainline	347.32	349.1	1.77	0.95	1.68	TU	Summer
Mainline	349.1	349.11	0.02	0.85	0.01	TU	Summer
Mainline	349.11	349.96	0.84	1	0.84	TU	Summer
Mainline	349.96	350.08	0.12	0.7	0.08	TU	Winter
Mainline	350.08	352.22	2.14	1	2.14	TU	Winter
Mainline	352.22	352.23	0.01	0.8	0.01	TU	Winter
Mainline	352.23	352.36	0.13	0.7	0.09	TU	Winter
Mainline	352.36	352.54	0.18	1	0.18	TU	Winter
Mainline	352.54	352.54	0.01	0.75	0.01	TU	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	352.54	352.56	0.02	0.9	0.02	TU	Winter
Mainline	352.56	352.57	0.01	1	0.01	TU	Winter
Mainline	352.57	352.59	0.02	0.75	0.01	TU	Winter
Mainline	352.59	352.89	0.3	1	0.3	TU	Winter
Mainline	352.89	353.29	0.4	0.7	0.28	TU	Winter
Mainline	353.29	353.87	0.58	1	0.58	TU	Winter
Mainline	353.87	353.92	0.04	0.75	0.03	TU	Winter
Mainline	353.92	354.23	0.31	1	0.31	TU	Winter
Mainline	354.23	354.24	0.01	0.85	0.01	TU	Winter
Mainline	354.24	354.46	0.22	0.75	0.17	TU	Winter
Mainline	354.46	354.81	0.35	1	0.35	TU	Winter
Mainline	354.81	354.83	0.02	0.75	0.01	TU	Winter
Mainline	354.83	354.89	0.06	0.7	0.04	TU	Winter
Mainline	354.89	354.91	0.02	0.75	0.02	TU	Winter
Mainline	354.91	354.98	0.07	1	0.07	TU	Winter
Mainline	354.98	355.21	0.23	0.7	0.16	TU	Winter
Mainline	355.21	355.69	0.48	1	0.48	TU	Winter
Mainline	355.69	355.74	0.05	0.25	0.01	TU	Winter
Mainline	355.74	356.26	0.51	1	0.51	TU	Winter
Mainline	356.26	356.69	0.43	0	0	NA	Summer
Mainline	356.69	368.65	11.97	1	11.97	TU	Summer
Mainline	368.65	368.88	0.22	0.3	0.07	TU	Summer
Mainline	368.88	369.13	0.25	0.5	0.13	TU	Summer
Mainline	369.13	369.23	0.09	0.9	0.08	TU	Summer
Mainline	369.23	369.32	0.1	0.5	0.05	TU	Summer
Mainline	369.32	369.39	0.06	0.9	0.06	TU	Summer
Mainline	369.39	369.48	0.09	0.5	0.05	TU	Summer
Mainline	369.48	369.66	0.18	1	0.18	TU	Summer
Mainline	369.66	369.69	0.03	0.8	0.03	TU	Summer
Mainline	369.69	369.87	0.18	1	0.18	TU	Summer
Mainline	369.87	369.96	0.09	0.9	0.08	TU	Summer
Mainline	369.96	371.47	1.51	1	1.51	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	371.47	371.48	0.01	0.75	0.01	TU	Summer
Mainline	371.48	371.75	0.27	0.7	0.19	TU	Summer
Mainline	371.75	372.08	0.33	0	0	NA	Summer
Mainline	372.08	372.11	0.03	0.1	0	TU	Summer
Mainline	372.11	372.29	0.18	0.85	0.15	TU	Summer
Mainline	372.29	372.58	0.29	0.7	0.2	TU	Summer
Mainline	372.58	372.93	0.35	0	0	NA	Summer
Mainline	372.93	373.31	0.38	0.85	0.32	TU	Summer
Mainline	373.31	373.32	0.01	1	0.01	TU	Summer
Mainline	373.32	373.46	0.15	0.7	0.1	TU	Summer
Mainline	373.46	373.64	0.17	0	0	NA	Summer
Mainline	373.64	373.72	0.08	1	0.08	TU	Summer
Mainline	373.72	373.81	0.1	0.85	0.08	TU	Summer
Mainline	373.81	373.88	0.06	1	0.06	TU	Summer
Mainline	373.88	374.33	0.45	0.7	0.31	TU	Summer
Mainline	374.33	374.39	0.07	1	0.07	TU	Summer
Mainline	374.39	374.6	0.21	0	0	NA	Summer
Mainline	374.6	374.7	0.1	0.25	0.03	TU	Summer
Mainline	374.7	374.83	0.13	0.05	0.01	TU	Summer
Mainline	374.83	374.88	0.05	0.7	0.04	TU	Summer
Mainline	374.88	374.92	0.03	0.05	0	TU	Summer
Mainline	374.92	375	0.09	1	0.09	TU	Summer
Mainline	375	375.22	0.21	0.7	0.15	TU	Summer
Mainline	375.22	375.25	0.03	1	0.03	TU	Summer
Mainline	375.25	375.35	0.1	0.05	0	TU	Summer
Mainline	375.35	375.4	0.05	0.25	0.01	TU	Summer
Mainline	375.4	375.46	0.06	0.05	0	TU	Summer
Mainline	375.46	375.48	0.02	0.7	0.02	TU	Summer
Mainline	375.48	375.5	0.01	0.05	0	TU	Summer
Mainline	375.5	375.8	0.31	1	0.31	TU	Summer
Mainline	375.8	376.01	0.21	0.7	0.15	TU	Summer
Mainline	376.01	376.04	0.03	0.3	0.01	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	376.04	376.37	0.33	0.25	0.08	TU	Summer
Mainline	376.37	379.71	3.34	1	3.34	TU	Summer
Mainline	379.71	379.8	0.08	1	0.08	TS	Winter
Mainline	379.8	381.56	1.77	1	1.77	TU	Winter
Mainline	381.56	381.94	0.37	0	0	NA	Winter
Mainline	381.94	382.04	0.1	0.5	0.05	TU	Winter
Mainline	382.04	385.16	3.12	1	3.12	TU	Winter
Mainline	385.16	385.29	0.13	1	0.13	TS	Summer
Mainline	385.29	388.57	3.28	1	3.28	TU	Summer
Mainline	388.57	388.92	0.35	0	0	NA	Summer
Mainline	388.92	393.98	5.06	1	5.06	TU	Summer
Mainline	393.98	393.99	0.01	0.95	0.01	TU	Summer
Mainline	393.99	394	0.01	0.15	0	TU	Summer
Mainline	394	394.11	0.11	0.05	0.01	TU	Summer
Mainline	394.11	394.22	0.11	1	0.11	TU	Summer
Mainline	394.22	394.46	0.24	0.25	0.06	TU	Summer
Mainline	394.46	394.49	0.03	0.05	0	TU	Summer
Mainline	394.49	394.62	0.13	0	0	NA	Summer
Mainline	394.62	394.8	0.18	0.25	0.05	TU	Summer
Mainline	394.8	395.77	0.97	1	0.97	TU	Summer
Mainline	395.77	395.89	0.12	1	0.12	TS	Summer
Mainline	395.89	396.71	0.82	1	0.82	TU	Summer
Mainline	396.71	396.85	0.14	0.25	0.04	TU	Summer
Mainline	396.85	397.48	0.62	1	0.62	TU	Summer
Mainline	397.48	397.48	0	0.3	0	TU	Summer
Mainline	397.48	397.57	0.09	0	0	NA	Summer
Mainline	397.57	398.33	0.76	0.7	0.53	TU	Summer
Mainline	398.33	398.57	0.23	0.3	0.07	TU	Summer
Mainline	398.57	398.79	0.22	0.7	0.16	TU	Summer
Mainline	398.79	398.91	0.12	0.3	0.04	TU	Summer
Mainline	398.91	398.94	0.03	0.7	0.02	TU	Summer
Mainline	398.94	399.62	0.68	1	0.68	TU	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	399.62	399.64	0.03	0.75	0.02	TU	Summer
Mainline	399.64	399.81	0.17	0.7	0.12	TU	Summer
Mainline	399.81	400.2	0.39	0.25	0.1	TU	Summer
Mainline	400.2	400.23	0.04	0.05	0	TU	Summer
Mainline	400.23	400.65	0.42	0	0	NA	Summer
Mainline	400.65	400.67	0.02	0.05	0	TU	Summer
Mainline	400.67	400.76	0.09	0.7	0.06	TU	Summer
Mainline	400.76	400.77	0	0.85	0	TU	Summer
Mainline	400.77	400.91	0.14	1	0.14	TU	Summer
Mainline	400.91	400.93	0.02	0.75	0.02	TU	Summer
Mainline	400.93	402.01	1.08	0.7	0.76	TU	Summer
Mainline	402.01	402.03	0.02	0.35	0.01	TU	Winter
Mainline	402.03	402.08	0.05	0.25	0.01	TU	Winter
Mainline	402.08	402.24	0.16	0	0	NA	Winter
Mainline	402.24	402.37	0.13	0.25	0.03	TU	Winter
Mainline	402.37	402.74	0.37	0.7	0.26	TU	Winter
Mainline	402.74	402.75	0.01	0.65	0.01	TU	Winter
Mainline	402.75	403.03	0.28	0.25	0.07	TU	Winter
Mainline	403.03	404.23	1.19	0.7	0.83	TU	Winter
Mainline	404.23	404.45	0.22	0.85	0.19	TU	Winter
Mainline	404.45	408.92	4.47	0.8	3.58	TU	Winter
Mainline	408.92	409.69	0.77	0.3	0.23	TU	Winter
Mainline	409.69	409.79	0.1	0.05	0.01	TU	Winter
Mainline	409.79	412.21	2.42	0	0	NA	Winter
Mainline	412.21	412.38	0.17	0.7	0.12	TU	Winter
Mainline	412.38	425.86	13.48	0	0	NA	Winter
Mainline	425.86	426.47	0.61	0.7	0.43	TU	Winter
Mainline	426.47	426.88	0.41	1	0.41	TU	Winter
Mainline	426.88	427.97	1.1	0	0	NA	Winter
Mainline	427.97	429.02	1.05	0.3	0.31	TU	Winter
Mainline	429.02	429.99	0.97	0	0	NA	Winter
Mainline	429.99	430.43	0.44	1	0.44	TU	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	430.43	430.49	0.06	0.5	0.03	TU	Winter
Mainline	430.49	431.3	0.81	1	0.81	TU	Winter
Mainline	431.3	431.63	0.32	0.7	0.22	TU	Winter
Mainline	431.63	431.65	0.03	1	0.03	TU	Winter
Mainline	431.65	431.76	0.11	0.7	0.08	TU	Winter
Mainline	431.76	431.97	0.2	0.5	0.1	TU	Winter
Mainline	431.97	432.15	0.18	0.3	0.05	TU	Winter
Mainline	432.15	432.31	0.16	0.8	0.13	TU	Winter
Mainline	432.31	432.41	0.1	1	0.1	TU	Winter
Mainline	432.41	433.06	0.65	0.6	0.39	TU	Winter
Mainline	433.06	433.55	0.49	1	0.49	TU	Winter
Mainline	433.55	438.09	4.54	0.8	3.63	TU	Winter
Mainline	438.09	438.64	0.55	0.95	0.52	TU	Winter
Mainline	438.64	439.1	0.46	0.1	0.05	TU	Winter
Mainline	439.1	439.13	0.03	0.1	0	TS	Winter
Mainline	439.13	439.97	0.84	0.1	0.08	TU	Winter
Mainline	439.97	440.35	0.38	0.8	0.3	TU	Winter
Mainline	440.35	442.41	2.06	0.1	0.21	TU	Winter
Mainline	442.41	442.61	0.21	0.7	0.14	TU	Winter
Mainline	442.61	442.7	0.09	1	0.09	TU	Winter
Mainline	442.7	443.08	0.37	0.2	0.07	TU	Winter
Mainline	443.08	443.28	0.2	0.8	0.16	TU	Winter
Mainline	443.28	443.78	0.5	1	0.5	TU	Winter
Mainline	443.78	444.2	0.42	0.8	0.33	TU	Winter
Mainline	444.2	444.51	0.31	0.4	0.12	TU	Winter
Mainline	444.51	445.15	0.65	0.8	0.52	TU	Winter
Mainline	445.15	445.37	0.22	0.55	0.12	TU	Winter
Mainline	445.37	446.35	0.98	0.2	0.2	TU	Winter
Mainline	446.35	447.6	1.25	0.4	0.5	TU	Winter
Mainline	447.6	449.41	1.81	0.2	0.36	TU	Winter
Mainline	449.41	449.58	0.16	0.8	0.13	TU	Winter
Mainline	449.58	449.84	0.26	0.6	0.15	TU	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	449.84	449.94	0.11	0.2	0.02	TU	Winter
Mainline	449.94	450.26	0.32	0	0	NA	Winter
Mainline	450.26	452.27	2.01	0.15	0.3	TU	Winter
Mainline	452.27	452.89	0.62	0.25	0.16	TU	Winter
Mainline	452.89	453.5	0.61	0.15	0.09	TU	Winter
Mainline	453.5	453.59	0.09	0.4	0.04	TU	Winter
Mainline	453.59	453.9	0.31	0.15	0.05	TU	Winter
Mainline	453.9	454.61	0.71	0.25	0.18	TU	Winter
Mainline	454.61	455.04	0.43	0.15	0.06	TU	Winter
Mainline	455.04	457.64	2.6	0.25	0.65	TU	Winter
Mainline	457.64	457.83	0.19	0.35	0.07	TU	Winter
Mainline	457.83	459.64	1.81	0.4	0.72	TU	Winter
Mainline	459.64	459.78	0.14	0.25	0.03	TU	Winter
Mainline	459.78	461.98	2.2	0.4	0.88	TU	Winter
Mainline	461.98	464.51	2.53	0.15	0.38	TU	Winter
Mainline	464.51	465.38	0.87	0.05	0.04	TU	Winter
Mainline	465.38	468.26	2.88	0.55	1.59	TU	Winter
Mainline	468.26	468.44	0.18	0	0	NA	Winter
Mainline	468.44	469.31	0.87	0.55	0.48	TU	Winter
Mainline	469.31	472.75	3.44	0.25	0.86	TU	Winter
Mainline	472.75	474.33	1.58	0	0	NA	Winter
Mainline	474.33	476.01	1.68	0.15	0.25	TU	Winter
Mainline	476.01	476.06	0.05	0	0	NA	Winter
Mainline	476.06	477.02	0.96	0.15	0.14	TU	Winter
Mainline	477.02	482.78	5.76	0.2	1.15	TU	Winter
Mainline	482.78	489.1	6.32	0.15	0.95	TS	Winter
Mainline	489.1	489.29	0.19	0	0	NA	Winter
Mainline	489.29	497.52	8.22	0.15	1.23	TS	Winter
Mainline	497.52	499.11	1.59	0	0	NA	Winter
Mainline	499.11	500.63	1.53	0.15	0.23	TS	Winter
Mainline	500.63	501.48	0.85	0.3	0.25	TU	Winter
Mainline	501.48	501.53	0.05	0	0	NA	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	501.53	501.74	0.21	0.3	0.06	TU	Winter
Mainline	501.74	504.33	2.58	0.1	0.26	TU	Winter
Mainline	504.33	504.63	0.3	0.55	0.16	TU	Winter
Mainline	504.63	504.7	0.07	0	0	NA	Winter
Mainline	504.7	504.86	0.16	0.55	0.09	TU	Winter
Mainline	504.86	504.88	0.02	0	0	NA	Winter
Mainline	504.88	505	0.12	0.55	0.07	TU	Winter
Mainline	505	507.01	2.01	0.1	0.2	TU	Winter
Mainline	507.01	507.77	0.76	0.4	0.31	TS	Winter
Mainline	507.77	507.8	0.03	0	0	NA	Winter
Mainline	507.8	507.93	0.13	0.4	0.05	TS	Winter
Mainline	507.93	508.63	0.7	0.2	0.14	TS	Winter
Mainline	508.63	509.27	0.64	0.55	0.35	TS	Winter
Mainline	509.27	509.34	0.07	0.1	0.01	TS	Winter
Mainline	509.34	511.26	1.92	0.55	1.06	TS	Winter
Mainline	511.26	512.41	1.15	0.25	0.29	TU	Winter
Mainline	512.41	512.72	0.31	0.15	0.05	TU	Winter
Mainline	512.72	512.75	0.03	0	0	NA	Winter
Mainline	512.75	513.41	0.66	0.05	0.03	TU	Winter
Mainline	513.41	515.74	2.33	0.05	0.12	TS	Winter
Mainline	515.74	515.81	0.07	0	0	NA	Winter
Mainline	515.81	516.36	0.55	0.05	0.03	TS	Winter
Mainline	516.36	516.39	0.03	0.15	0	TS	Winter
Mainline	516.39	517.35	0.96	0.55	0.53	TU	Winter
Mainline	517.35	517.86	0.52	0.2	0.1	TU	Winter
Mainline	517.86	518.24	0.37	0.55	0.21	TU	Winter
Mainline	518.24	519.59	1.35	0.15	0.2	TU	Winter
Mainline	519.59	519.67	0.08	0	0	NA	Winter
Mainline	519.67	520.16	0.49	0.05	0.02	TS	Winter
Mainline	520.16	520.55	0.39	0.25	0.1	TU	Winter
Mainline	520.55	520.93	0.38	0.05	0.02	TS	Winter
Mainline	520.93	521.03	0.1	0	0	NA	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	521.03	521.74	0.71	0.05	0.04	TS	Summer
Mainline	521.74	521.88	0.14	0.15	0.02	TS	Summer
Mainline	521.88	524.66	2.78	0.35	0.97	TU	Summer
Mainline	524.66	525.83	1.17	0.05	0.06	TS	Summer
Mainline	525.83	525.98	0.15	0	0	NA	Summer
Mainline	525.98	527.39	1.41	0.3	0.42	TS	Summer
Mainline	527.39	527.56	0.16	0.15	0.02	TS	Summer
Mainline	527.56	528.81	1.25	1	1.25	TU	Summer
Mainline	528.81	528.94	0.13	0.2	0.03	TS	Summer
Mainline	528.94	529.26	0.32	1	0.32	TU	Summer
Mainline	529.26	529.38	0.12	0.6	0.07	TU	Summer
Mainline	529.38	530.02	0.65	0.8	0.52	TU	Summer
Mainline	530.02	530.32	0.3	0	0	NA	Summer
Mainline	530.32	530.36	0.04	0.15	0.01	TS	Summer
Mainline	530.36	531.33	0.97	0	0	NA	Summer
Mainline	531.33	531.53	0.2	0.05	0.01	TU	Summer
Mainline	531.53	531.57	0.04	0.05	0	TS	Summer
Mainline	531.57	538.01	6.44	0	0	NA	Summer
Mainline	538.01	538.43	0.42	0.2	0.08	TS	Summer
Mainline	538.43	538.51	0.08	0.6	0.05	TU	Summer
Mainline	538.51	538.53	0.03	0.2	0.01	TS	Summer
Mainline	538.53	538.58	0.05	0.2	0.01	TU	Summer
Mainline	538.58	538.61	0.03	0	0	NA	Summer
Mainline	538.61	538.81	0.2	0.6	0.12	TU	Summer
Mainline	538.81	539	0.19	0.15	0.03	TS	Summer
Mainline	539	540.19	1.19	0.4	0.47	TU	Summer
Mainline	540.19	540.44	0.25	0.2	0.05	TU	Summer
Mainline	540.44	540.55	0.11	0.2	0.02	TS	Summer
Mainline	540.55	540.73	0.18	0.2	0.04	TU	Summer
Mainline	540.73	541.66	0.93	0.2	0.19	TS	Summer
Mainline	541.66	542.05	0.39	0.45	0.17	TU	Summer
Mainline	542.05	542.1	0.05	0	0	NA	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	542.1	542.44	0.34	0.35	0.12	TS	Summer
Mainline	542.44	542.47	0.04	0.1	0	TU	Summer
Mainline	542.47	542.73	0.26	0.2	0.05	TU	Summer
Mainline	542.73	549.29	6.56	0	0	NA	Summer
Mainline	549.29	550.75	1.46	0.35	0.51	TS	Summer
Mainline	550.75	553.15	2.4	0	0	NA	Summer
Mainline	553.15	553.82	0.67	0.05	0.03	TU	Summer
Mainline	553.82	554.43	0.61	0.05	0.03	TS	Summer
Mainline	554.43	555.14	0.71	0.05	0.04	TU	Summer
Mainline	555.14	555.72	0.58	0	0	NA	Summer
Mainline	555.72	556.15	0.43	0.05	0.02	TU	Summer
Mainline	556.15	557.3	1.15	0.25	0.29	TS	Summer
Mainline	557.3	557.95	0.65	0.05	0.03	TS	Summer
Mainline	557.95	558.14	0.19	0.35	0.07	TS	Summer
Mainline	558.14	558.87	0.73	0.05	0.04	TS	Summer
Mainline	558.87	561.89	3.02	0	0	NA	Summer
Mainline	561.89	562.2	0.31	0.35	0.11	TS	Summer
Mainline	562.2	563.02	0.82	0.4	0.33	TS	Summer
Mainline	563.02	563.35	0.32	0.35	0.11	TS	Summer
Mainline	563.35	564.35	1.01	0.5	0.5	TS	Summer
Mainline	564.35	564.42	0.06	0.5	0.03	TU	Summer
Mainline	564.42	564.48	0.06	0.5	0.03	TS	Summer
Mainline	564.48	566.03	1.55	0.35	0.54	TS	Summer
Mainline	566.03	566.29	0.27	0.35	0.09	TU	Summer
Mainline	566.29	566.87	0.58	0.1	0.06	TU	Summer
Mainline	566.87	566.89	0.02	0	0	NA	Summer
Mainline	566.89	568.79	1.9	0.35	0.66	TS	Summer
Mainline	568.79	568.97	0.18	0	0	NA	Summer
Mainline	568.97	570.36	1.39	0.35	0.49	TS	Summer
Mainline	570.36	573.26	2.9	0.15	0.43	TS	Summer
Mainline	573.26	573.37	0.11	0.15	0.02	TU	Summer
Mainline	573.37	577.5	4.13	0.15	0.62	TS	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	577.5	577.57	0.07	0.15	0.01	TU	Summer
Mainline	577.57	577.78	0.21	0.15	0.03	TS	Summer
Mainline	577.78	577.83	0.05	0.15	0.01	TU	Summer
Mainline	577.83	582.86	5.03	0.15	0.75	TS	Summer
Mainline	582.86	582.91	0.05	0	0	NA	Summer
Mainline	582.91	586.04	3.13	0.15	0.47	TS	Summer
Mainline	586.04	586.43	0.39	0	0	NA	Summer
Mainline	586.43	586.73	0.3	0.15	0.05	TS	Summer
Mainline	586.73	587.17	0.44	0	0	NA	Summer
Mainline	587.17	589.52	2.34	0.2	0.47	TS	Summer
Mainline	589.52	590.05	0.54	0	0	NA	Summer
Mainline	590.05	591.02	0.97	0.1	0.1	TS	Summer
Mainline	591.02	591.05	0.02	0.1	0	TU	Summer
Mainline	591.05	593.74	2.7	0.1	0.27	TS	Summer
Mainline	593.74	595.29	1.55	0	0	NA	Summer
Mainline	595.29	595.95	0.66	0.15	0.1	TS	Summer
Mainline	595.95	596	0.05	0.2	0.01	TS	Summer
Mainline	596	596.13	0.13	0.3	0.04	TU	Summer
Mainline	596.13	596.61	0.48	0.2	0.1	TS	Summer
Mainline	596.61	596.64	0.03	0	0	NA	Summer
Mainline	596.64	596.81	0.17	0.2	0.03	TU	Summer
Mainline	596.81	598.35	1.54	0.2	0.31	TS	Summer
Mainline	598.35	598.62	0.27	0	0	NA	Summer
Mainline	598.62	600.71	2.09	0.2	0.42	TS	Summer
Mainline	600.71	600.94	0.22	0.1	0.02	TS	Summer
Mainline	600.94	601.6	0.66	0	0	NA	Summer
Mainline	601.6	601.73	0.13	0.2	0.03	TS	Summer
Mainline	601.73	601.75	0.02	0	0	NA	Summer
Mainline	601.75	603.48	1.72	0.1	0.17	TS	Summer
Mainline	603.48	603.54	0.06	0	0	NA	Summer
Mainline	603.54	605.01	1.48	0.1	0.15	TS	Summer
Mainline	605.01	605.54	0.53	0.05	0.03	TS	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	605.54	605.96	0.42	0.1	0.04	TU	Summer
Mainline	605.96	606.93	0.97	0.1	0.1	TS	Summer
Mainline	606.93	607	0.07	0	0	NA	Summer
Mainline	607	607.16	0.16	0.1	0.02	TS	Summer
Mainline	607.16	607.36	0.2	0.1	0.02	TU	Summer
Mainline	607.36	609.31	1.95	0.1	0.19	TS	Summer
Mainline	609.31	609.36	0.05	0.1	0.01	TU	Summer
Mainline	609.36	610.19	0.83	0.1	0.08	TS	Summer
Mainline	610.19	610.22	0.03	0	0	NA	Summer
Mainline	610.22	612.37	2.15	0.1	0.21	TS	Summer
Mainline	612.37	612.42	0.05	0	0	NA	Summer
Mainline	612.42	613.53	1.11	0.1	0.11	TS	Summer
Mainline	613.53	614.58	1.05	0.05	0.05	TS	Summer
Mainline	614.58	614.66	0.08	0	0	NA	Summer
Mainline	614.66	615.97	1.3	0.05	0.07	TS	Summer
Mainline	615.97	616.15	0.18	0.05	0.01	TU	Summer
Mainline	616.15	616.53	0.38	0.05	0.02	TS	Summer
Mainline	616.53	616.7	0.17	0	0	NA	Summer
Mainline	616.7	616.92	0.22	0.05	0.01	TU	Summer
Mainline	616.92	618.01	1.09	0.05	0.05	TS	Summer
Mainline	618.01	618.12	0.11	0	0	NA	Summer
Mainline	618.12	618.82	0.7	0.05	0.03	TS	Summer
Mainline	618.82	633.95	15.12	0.1	1.51	TS	Summer
Mainline	633.95	634.04	0.09	0.1	0.01	TU	Summer
Mainline	634.04	634.31	0.27	0	0	NA	Summer
Mainline	634.31	637.16	2.85	0.05	0.14	TS	Summer
Mainline	637.16	641.96	4.8	0	0	NA	Summer
Mainline	641.96	642.28	0.32	0.05	0.02	TS	Summer
Mainline	642.28	642.56	0.28	0.1	0.03	TU	Summer
Mainline	642.56	644.31	1.75	0.05	0.09	TS	Summer
Mainline	644.31	644.46	0.15	0.1	0.02	TS	Summer
Mainline	644.46	647.9	3.44	0.05	0.17	TS	Summer

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	647.9	654.95	7.06	0	0	NA	Summer
Mainline	654.95	655.07	0.12	0.1	0.01	TU	Summer
Mainline	655.07	655.14	0.07	0.05	0	TS	Summer
Mainline	655.14	655.16	0.02	0	0	NA	Summer
Mainline	655.16	660.68	5.52	0.05	0.28	TS	Summer
Mainline	660.68	660.78	0.1	0.15	0.01	TU	Summer
Mainline	660.78	661.3	0.52	0.05	0.03	TS	Summer
Mainline	661.3	661.33	0.04	0	0	NA	Summer
Mainline	661.33	661.79	0.45	0.05	0.02	TS	Summer
Mainline	661.79	661.83	0.04	0.15	0.01	TU	Summer
Mainline	661.83	662.46	0.63	0.05	0.03	TS	Summer
Mainline	662.46	662.52	0.06	0	0	NA	Summer
Mainline	662.52	662.73	0.21	0.05	0.01	TS	Summer
Mainline	662.73	663.12	0.39	0	0	NA	Summer
Mainline	663.12	663.44	0.32	0.05	0.02	TS	Summer
Mainline	663.44	663.84	0.4	0.15	0.06	TU	Summer
Mainline	663.84	667.21	3.37	0.05	0.17	TS	Summer
Mainline	667.21	667.54	0.33	0	0	NA	Winter
Mainline	667.54	667.62	0.08	0.15	0.01	TS	Winter
Mainline	667.62	670.05	2.43	0	0	NA	Winter
Mainline	670.05	671.5	1.45	0.05	0.07	TS	Winter
Mainline	671.5	671.58	0.08	0	0	NA	Winter
Mainline	671.58	672.25	0.67	0.05	0.03	TS	Winter
Mainline	672.25	672.35	0.1	0.05	0.01	TU	Winter
Mainline	672.35	675.53	3.18	0.05	0.16	TS	Winter
Mainline	675.53	675.6	0.07	0.05	0	TU	Winter
Mainline	675.6	676.47	0.87	0.05	0.04	TS	Winter

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Mainline	676.47	677.57	1.1	0	0	NA	Winter
Mainline	677.57	677.73	0.16	0.05	0.01	TU	Winter
Mainline	677.73	678.46	0.73	0	0	NA	Winter
Mainline	678.46	678.5	0.04	0.05	0	TU	Winter
Mainline	678.5	679.94	1.44	0	0	NA	Winter
Mainline	679.94	679.99	0.05	0.05	0	TU	Winter
Mainline	679.99	680.66	0.67	0	0	NA	Winter
Mainline	680.66	680.7	0.04	0.05	0	TU	Winter
Mainline	680.7	681.63	0.93	0	0	NA	Winter
Mainline	681.63	681.69	0.06	0.05	0	TU	Winter
Mainline	681.69	684.87	3.18	0	0	NA	Winter
Mainline	684.87	684.99	0.12	0.05	0.01	TU	Winter
Mainline	684.99	690.85	5.86	0	0	NA	Winter
Mainline	690.85	690.89	0.03	0.05	0	TU	Winter
Mainline	690.89	806.57	115.69	0	0	NA	Winter
Mainline							
Total (miles)						348.7 (TU)	60.5 (TS)
PBTL ^c	0	~1	~1	1	~1	TS	Winter
PTTL ^c	0	62.5	62.5	1	62.5	TS	Winter
GTP							
GTP ^c	N/A	N/A	N/A	100	N/A	TS	Winter to lay down gravel pads and ice roads; summer from gravel pads or off West Dock
Source :							
^a TU= Thaw Unstable TS= Thaw Stable							
^b GIS Feature ID as determined by exp,							
^c Worley Parsons, 2015							
^d Thaw Stability determined by MLRA, USDA NRCS, 2014.							
* Thaw unstable is equivalent to thaw sensitive permafrost.							
** Season in which Right-of-Way preparation will be executed							

TABLE 1							
Potential Permafrost Stability Disruption within the Alaska LNG Project Area							
Facility Name ^a	MP (To)	MP (From)	Length (mi)	% Permafrost Crossed ^b	Permafrost Mileage	Thaw Stability	Construction Spread-Season
						(Thaw Unstable/ Thaw Stable) ^b	
LIQUEFACTION FACILITY							
Disclaimer: "Information provided in this table is based on preliminary geotechnical analysis completed with available route data, and is subject to change as further field work and analyses are completed. Information is intended for the sole purpose of creating rolled up summary tables for Resource Reports 6 and 7 and should not be released to Agencies or third parties without the consent and guidance of WorleyParsons Geotechnical team."							

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
Pipeline	450.05	0	0.00	31FA09	Fairbanks Steese complex, 7 to 12 percent slopes	Yukon Koyukuk
Pipeline	454.62	0	0.00	31HA01	Happy silt loam, 1 to 7 percent slopes	Yukon Koyukuk
ATWS	473.24	97	0.32	22	Salchaket very fine sandy loam	Yukon Koyukuk
ATWS	473.28	166	1.44	22	Salchaket very fine sandy loam	Yukon Koyukuk
ATWS	473.37	66	0.10	22	Salchaket very fine sandy loam	Yukon Koyukuk
ATWS	473.37	8 0117	0.04	22	Salchaket very fine sandy loam	Yukon Koyukuk
Pipeline	473.38	0	1.15	22	Salchaket very fine sandy loam	Yukon Koyukuk
Pipeline	475.99	0	0.00	22	Salchaket very fine sandy loam	Yukon Koyukuk
Borrow Source	492.36	34,314	24.91	29GE01, 29SA01, 29PT01	Gerstle Moosehead complex, Sawmill Creek silt loam, Pits, gravel	Denali
Access Road	492.45	35,892	4.32	29GE01	Gerstle Moosehead complex	Denali
ATWS	494.88	53	0.02	29PL01	Eielson Piledriver complex	Denali
ATWS	494.88	95	0.05	29PL01	Eielson Piledriver complex	Denali
ATWS	495.02	52	0.03	29PL01	Eielson Piledriver complex	Denali
ATWS	495.02	95	0.06	29PL01	Eielson Piledriver complex	Denali
ATWS	495.29	52	0.30	29PL01	Eielson Piledriver complex	Denali
ATWS	495.29	95	0.59	29PL01	Eielson Piledriver complex	Denali
Pipeline	495.46	0	0.00	29PL01	Eielson Piledriver complex	Denali
ATWS	495.83	53	0.25	29PL01	Eielson Piledriver complex	Denali
ATWS	495.83	95	0.51	29PL01, 29TN01	Eielson Piledriver complex, Tanana silt loam	Denali
ATWS	496.08	53	0.04	29PL01	Eielson Piledriver complex	Denali
ATWS	496.47	52	0.19	29PL01	Eielson Piledriver complex	Denali
ATWS	496.47	95	0.38	29PL01	Eielson Piledriver complex	Denali
ATWS	496.64	95	0.01	29PL01	Eielson Piledriver complex	Denali
ATWS	496.64	53	687.00	29PL01	Eielson Piledriver complex	Denali
ATWS	496.65	65	0.16	29PL01	Eielson Piledriver complex	Denali
ATWS	496.65	99	0.02	29PL01	Eielson Piledriver complex	Denali
ATWS	496.75	95	6857.00	29PL01	Eielson Piledriver complex	Denali
ATWS	496.75	53	3443.00	29PL01	Eielson Piledriver complex	Denali
Pipeline	496.92	0	0.00	29PL01	Eielson Piledriver complex	Denali
ATWS	497.07	52	0.26	29PL01	Eielson Piledriver complex	Denali
ATWS	497.07	95	0.52	29PL01	Eielson Piledriver complex	Denali
ATWS	497.39	52	0.11	29PL01	Eielson Piledriver complex	Denali

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Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	497.39	95	0.22	29PL01	Eielson Piledriver complex	Denali
ATWS	497.40	105	0.02	29PL01	Eielson Piledriver complex	Denali
ATWS	497.40	71	0.07	29PL01	Eielson Piledriver complex	Denali
ATWS	497.77	95	0.64	29PL01, 29FU01	Eielson Piledriver complex, Fubar Piledriver complex, occasionally flooded	Denali
ATWS	498.09	81	0.69	29PL01, 29TC01, 29FU01	Eielson Piledriver complex, Tanacross peat, Fubar Piledriver complex, occasionally flooded	Denali
Pipeline	498.31	0	0.00	29PL01	Eielson Piledriver complex	Denali
Access Road	498.58	1,146	5.18	29NE01, 29SA01, 29TC01	Nenana silt loam, 0 to 3 percent slopes, Sawmill Creek silt loam, Tanacross peat	Denali
Camp	498.58	3,424	35.24	29NE01	Nenana silt loam, 0 to 3 percent slopes	Denali
Pipe Storage Yard	498.58	2,580	11.02	29NE01	Nenana silt loam, 0 to 3 percent slopes	Denali
Access Road	498.60	2,107	2.62	29NE01, 29SA01	Nenana silt loam, 0 to 3 percent slopes, Sawmill Creek silt loam	Denali
Access Road	498.61	2,332	0.67	29NE01	Nenana silt loam, 0 to 3 percent slopes	Denali
Access Road	499.32	2,102	8.53	29SA01	Sawmill Creek silt loam	Denali
Access Road	499.42	409	1.65	29SA01, 29TC01	Sawmill Creek silt loam, Tanacross peat	Denali
Pipe Storage Yard	647.78	442	11.02	218, 240, 236	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes, Starichkof peat, 0 to 7 percent slopes	Matanuska Susitna
Camp	647.78	1,165	35.23	218, 240	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna
Access Road	647.92	511	0.45	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	647.93	53	0.23	218, 240	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna
Access Road	647.94	390	1.55	218, 240	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna
ATWS	647.99	100	0.17	218, 240	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
Borrow Source	648.00	637	21.33	218, 240	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna
Access Road	648.05	964	2.43	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.08	62	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Helipad	648.10	356	0.23	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.14	63	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
MLBV Pad	648.16	1	0.77	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.17	63	0.07	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.23	64	0.30	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.28	65	9814.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.29	65	0.04	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.30	79	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.30	62	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.31	63	0.09	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.33	63	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	648.34	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.38	64	0.06	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.45	73	0.35	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.46	62	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Access Road	648.46	235	1.57	218, 240	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna
ATWS	648.46	96	0.35	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.52	73	0.20	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.53	95	0.33	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.55	65	0.19	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Access Road	648.58	182	0.47	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.73	81	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.88	62	0.07	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.90	63	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.92	62	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.94	63	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	648.98	63	0.07	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	649.01	63	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.11	63	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.13	62	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.32	63	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.33	62	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.48	82	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.48	85	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.49	65	0.85	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	649.75	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Borrow Source	649.79	531	19.87	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	649.90	62	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Disposal Site	649.96	158	1.73	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Borrow Source	650.10	518	25.33	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Access Road	650.21	126	0.13	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.23	65	0.11	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.24	88	0.23	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.30	62	0.17	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.35	63	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.40	64	0.13	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.53	63	0.33	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.58	98	0.04	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.59	65	0.04	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.63	92	0.40	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.63	64	0.21	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.68	7 0157	0.06	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	650.68	100	0.24	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	659.81	63	0.05	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	659.88	63	0.21	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	659.94	63	0.07	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	659.99	63	0.20	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.03	89	0.23	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.03	96	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.04	64	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	660.11	63	5707.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.11	66	0.11	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.12	92	0.20	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.14	62	0.12	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	660.17	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.24	62	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.62	84	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.62	67	1.41	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.63	83	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.83	63	0.11	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.84	82	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.85	63	0.08	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.91	63	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.92	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	660.96	62	0.05	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Disposal Site	661.00	162	1.35	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.01	63	0.22	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Access Road	661.04	789	3.24	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.07	63	0.10	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	661.12	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.15	66	0.14	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Access Road	661.17	2,050	0.60	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.19	63	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Borrow Source	661.22	2,672	20.12	171, 201	Nancy silt loam, 0 to 3 percent slopes, Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.27	88	0.26	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.29	67	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.33	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.34	83	0.06	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.35	65	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.37	93	0.20	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.38	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	661.42	66	0.20	201	Tokositna, undulating Chunilna complex	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	662.89	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	662.90	69	0.06	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	662.90	80	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	662.96	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	663.04	64	0.17	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	663.12	72	0.26	201, 197	Tokositna, undulating Chunilna complex, Tokositna silt loam, sloping and moderately steep	Matanuska Susitna
ATWS	663.14	91	0.06	201, 197	Tokositna, undulating Chunilna complex, Tokositna silt loam, sloping and moderately steep	Matanuska Susitna
Pipeline	663.49	0	0.00	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
Pipeline	663.60	0	0.00	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	663.61	89	0.24	171, 203	Nancy silt loam, 0 to 3 percent slopes, Typic Cryaquents, 0 to 2 percent slopes	Matanuska Susitna
Access Road	663.80	2,777	13.67	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
Pipeline	664.00	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	664.45	63	0.05	199	Tokositna silt loam, undulating	Matanuska Susitna
Pipe Storage Yard	664.58	245	8.96	199	Tokositna silt loam, undulating	Matanuska Susitna
Pipeline	664.58	0	0.00	199	Tokositna silt loam, undulating	Matanuska Susitna
ATWS	664.63	90	0.27	199	Tokositna silt loam, undulating	Matanuska Susitna
Access Road	664.67	152	0.53	199	Tokositna silt loam, undulating	Matanuska Susitna
ATWS	664.68	63	0.03	199	Tokositna silt loam, undulating	Matanuska Susitna
ATWS	664.68	62	0.02	199	Tokositna silt loam, undulating	Matanuska Susitna
ATWS	664.71	63	0.05	199	Tokositna silt loam, undulating	Matanuska Susitna
ATWS	664.71	87	0.06	199	Tokositna silt loam, undulating	Matanuska Susitna
Access Road	664.71	144	0.59	199	Tokositna silt loam, undulating	Matanuska Susitna
ATWS	664.80	63	0.16	199	Tokositna silt loam, undulating	Matanuska Susitna
ATWS	665.13	80	0.04	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	665.14	65	0.11	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	665.25	68	0.16	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
Pipeline	665.31	0	0.00	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	665.69	65	0.21	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	665.70	78	0.02	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
Pipeline	665.84	0	0.00	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	665.88	62	0.12	201, 208	Tokositna, undulating Chunilna complex, Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	665.91	63	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	665.93	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.05	65	0.42	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.16	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	666.21	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.24	63	0.43	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.44	63	0.46	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.49	101	0.27	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.55	68	0.29	201, 203, 201	Tokositna, undulating Chunilna complex, Typic Cryaquents, 0 to 2 percent slopes, Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.64	62	0.14	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.68	70	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.68	80	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.71	63	0.05	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.75	63	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.76	63	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	666.80	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.89	63	0.15	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.94	63	0.07	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.96	63	0.16	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	666.97	79	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	667.13	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	667.15	63	0.35	101, 201	Benka silt loam, 0 to 3 percent slopes, Tokositna, undulating Chunilna complex	Matanuska Susitna
Borrow Source	667.29	1,368	25.23	101, 203	Benka silt loam, 0 to 3 percent slopes, Typic Cryaquents, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	667.37	0	0.00	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Access Road	667.38	824	0.71	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Access Road	667.38	363	1.40	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	667.39	7 0293	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	667.41	95	0.06	101, 141	Benka silt loam, 0 to 3 percent slopes, Histosols	Matanuska Susitna
ATWS	667.43	65	0.22	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	667.50	65	0.04	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	667.53	63	0.02	101, 141	Benka silt loam, 0 to 3 percent slopes, Histosols	Matanuska Susitna
ATWS	667.63	62	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	667.69	63	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	667.71	62	0.03	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	667.78	63	0.07	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	667.82	63	0.07	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Pipeline	667.93	0	0.00	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Access Road	667.97	802	0.19	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Borrow Source	668.07	439	15.44	101, 141	Benka silt loam, 0 to 3 percent slopes, Histosols	Matanuska Susitna
ATWS	668.20	93	0.33	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	668.24	68	0.28	101, 141	Benka silt loam, 0 to 3 percent slopes, Histosols	Matanuska Susitna
Access Road	668.35	561	2.71	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.48	63	0.10	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
Borrow Source	668.48	412	18.74	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.59	62	0.05	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.66	62	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.72	65	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.76	62	0.03	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.77	62	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.79	62	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.84	62	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.91	63	0.12	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.91	79	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	668.93	62	0.07	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
Pipeline	669.10	0	0.00	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	669.12	64	0.14	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	669.88	96	0.38	208, 203	Whitsol silt loam, silty substratum, 0 to 7 percent slopes, Typic Cryaquents, 0 to 2 percent slopes	Matanuska Susitna
ATWS	669.91	71	0.20	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	670.04	72	0.91	208, 203	Whitsol silt loam, silty substratum, 0 to 7 percent slopes, Typic Cryaquents, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	670.07	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	670.07	107	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Access Road	670.11	295	0.97	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	670.14	78	0.08	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	670.16	65	0.04	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
Pipeline	670.18	0	0.00	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	670.19	70	0.28	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	670.81	62	0.11	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	670.81	82	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	670.84	63	0.12	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	671.08	66	0.33	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
Pipeline	671.10	0	0.00	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	671.18	70	0.22	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	671.26	62	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	671.27	63	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	671.30	64	0.15	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	671.39	63	0.31	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	671.45	65	0.02	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
ATWS	671.46	63	0.05	208, 141	Whitsol silt loam, silty substratum, 0 to 7 percent slopes, Histosols	Matanuska Susitna
ATWS	671.76	63	0.15	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	671.85	70	0.24	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	671.85	85	0.05	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	671.86	82	0.02	178	Nancy Tokositna complex, undulating	Matanuska Susitna
Access Road	671.90	784	2.34	178	Nancy Tokositna complex, undulating	Matanuska Susitna
Pipeline	671.95	0	0.00	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	671.95	64	0.25	178	Nancy Tokositna complex, undulating	Matanuska Susitna
Pipe Storage Yard	672.02	306	11.02	178	Nancy Tokositna complex, undulating	Matanuska Susitna
Access Road	672.08	76	0.18	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	672.21	63	0.02	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	672.23	65	0.04	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	672.23	76	0.08	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	672.24	65	0.03	178	Nancy Tokositna complex, undulating	Matanuska Susitna
ATWS	672.34	74	0.12	211, 141	Whitsol silt loam, till substratum, undulating, Histosols	Matanuska Susitna
ATWS	672.34	95	0.39	211, 141	Whitsol silt loam, till substratum, undulating, Histosols	Matanuska Susitna
ATWS	672.35	63	0.05	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	672.45	64	0.10	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	672.48	63	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	672.70	117	0.19	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	672.77	95	0.04	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	672.80	87	1.05	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	672.84	0	0.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Access Road	672.87	3,189	0.54	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
Borrow Source	672.94	3,877	25.27	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	673.01	63	0.44	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.25	65	0.12	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna

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Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	673.30	87	0.26	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.32	68	0.01	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.33	88	0.17	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.45	99	0.05	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.46	105	0.09	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.46	8 0945	0.03	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.46	90	3332.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.47	63	0.21	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	673.50	0	0.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.55	69	0.34	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Borrow Source	673.88	3,741	25.40	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	673.89	64	0.15	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Access Road	673.90	2,936	0.67	171	Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	673.91	103	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.92	65	0.13	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	673.93	63	0.03	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	674.00	0	0.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	674.02	65	0.37	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Access RoadPERM	674.03	600	10.69	211, 203, 141, 171	Whitsol silt loam, till substratum, undulating, Typic Cryaquepts, 0 to 2 percent slopes, Histosols, Nancy silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	674.69	63	0.40	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Access RoadPERM	674.85	98	5.44	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	674.92	0	0.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
COMPSTACamp	675.08	315	2.88	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
COMPSTA	675.23	373	30.30	211, 116	Whitsol silt loam, till substratum, undulating, Cryaquepts, depressional, 0 to 7 percent slopes	Matanuska Susitna
Borrow Source	675.30	662	46.56	211, 116	Whitsol silt loam, till substratum, undulating, Cryaquepts, depressional, 0 to 7 percent slopes	Matanuska Susitna
ATWS	675.30	63	0.41	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	675.38	64	0.08	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	675.41	62	0.20	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	675.84	69	0.15	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	675.87	0	0.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna

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Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	675.90	64	0.27	211, 116	Whitsol silt loam, till substratum, undulating, Cryaquepts, depressional, 0 to 7 percent slopes	Matanuska Susitna
ATWS	676.06	59	0.03	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.08	69	0.08	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.14	65	0.20	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	676.19	0	0.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.28	65	0.19	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.33	64	0.20	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.58	62	0.19	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.63	63	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.64	62	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.66	63	0.03	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.70	64	0.07	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.71	62	0.01	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.74	61	0.10	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.81	62	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.88	63	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	676.92	63	0.07	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	677.02	0	0.00	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.03	62	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.06	63	0.03	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.10	63	0.07	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.13	63	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.29	62	0.03	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.37	63	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.40	64	0.06	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.41	65	0.14	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.41	63	0.02	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.43	64	0.04	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.45	64	0.04	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.48	127	0.18	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.48	62	0.05	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
ATWS	677.50	69	0.03	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	677.52	70	0.11	211	Whitsol silt loam, till substratum, undulating	Matanuska Susitna
Pipeline	678.12	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.13	62	0.18	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
ATWS	678.14	123	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.35	64	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.35	69	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.38	63	0.20	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.39	78	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	678.40	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.42	140	0.06	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.44	74	0.11	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.77	61	0.14	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	678.83	65	0.40	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	679.01	63	0.07	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	679.09	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	679.22	112	0.03	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	679.43	65	0.11	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	679.57	65	0.15	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
Pipeline	679.72	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	679.73	65	1.05	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
ML Temp ROW	680.08	38	0.13	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
MLPERMROW	680.09	20	0.03	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	680.32	67	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	680.44	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	681.01	83	0.01	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	681.16	63	2.14	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
Pipeline	681.27	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	681.49	78	0.01	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	681.59	65	0.06	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	681.61	68	0.09	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
ATWS	681.76	64	0.09	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	681.92	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	682.07	68	0.18	201	Tokositna, undulating Chunilna complex	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	682.16	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	682.16	69	0.07	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	682.18	63	0.05	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	682.22	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	682.24	63	0.27	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	682.29	67	0.06	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	683.33	63	0.16	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
ATWS	683.39	63	0.10	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	683.43	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	683.47	64	0.46	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
ATWS	683.52	80	0.05	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	684.21	80	0.05	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
ATWS	684.23	64	0.25	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
Pipeline	684.29	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	684.33	63	0.48	201, 141	Tokositna, undulating Chunilna complex, Histosols	Matanuska Susitna
ATWS	684.34	78	8442.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	684.58	67	0.46	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	684.64	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	684.70	64	0.22	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	684.77	65	0.03	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	684.79	85	6893.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	684.79	67	0.23	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	685.06	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	685.08	62	0.03	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	685.17	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	685.22	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	685.24	62	0.10	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	685.31	63	0.11	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	686.74	64	0.27	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Disposal Site	686.79	181	1.53	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	686.81	78	0.05	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	686.82	63	0.14	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	686.84	62	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	686.95	66	0.55	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	687.14	65	0.70	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	687.39	65	0.87	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	687.53	63	0.03	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	687.58	90	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	687.63	64	0.60	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	687.79	325	4.54	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	687.81	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	688.26	66	3.68	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	688.74	85	0.02	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
ATWS	688.83	90	0.04	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	689.12	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	689.79	0	0.00	201	Tokositna, undulating Chunilna complex	Matanuska Susitna
Pipeline	691.57	0	0.00	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
Pipeline	692.00	0	0.00	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
Pipeline	692.75	0	0.00	208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	Matanuska Susitna
Pipeline	693.21	0	0.00	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	693.25	69	0.08	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Borrow Source	693.33	1,148	53.85	101, 116, 116	Benka silt loam, 0 to 3 percent slopes, Cryaquepts, depressional, 0 to 7 percent slopes, Cryaquepts, depressional, 0 to 7 percent slopes	Matanuska Susitna
Pipe Storage Yard	693.51	569	15.61	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Access Road	693.57	58	0.04	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Camp	693.72	567	35.24	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	695.71	65	0.19	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	695.77	65	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	695.83	63	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	696.68	63	0.28	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Pipeline	696.77	0	0.00	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	696.92	62	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.01	62	0.07	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	697.04	62	0.05	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.06	62	0.03	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.08	62	0.03	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.10	63	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.43	62	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.51	64	0.18	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.73	62	0.07	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.85	62	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	697.87	67	0.04	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.25	63	0.05	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.34	63	0.07	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.43	63	0.03	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.46	63	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.52	63	0.33	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
Borrow Source	698.61	444	19.88	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.62	110	0.28	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.91	63	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	698.93	62	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.05	63	0.05	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.12	62	0.09	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.28	63	0.05	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.35	63	0.05	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.36	63	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.38	64	0.06	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.42	65	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.51	62	0.09	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.51	9 2193	0.07	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.54	68	0.08	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.86	63	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.88	62	0.03	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.94	65	0.06	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	699.98	62	0.02	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	700.04	63	0.07	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	700.06	105	0.10	101	Benka silt loam, 0 to 3 percent slopes	Matanuska Susitna
ATWS	700.11	64	0.21	101, 103	Benka silt loam, 0 to 3 percent slopes, Benka silt loam, undulating	Matanuska Susitna
ATWS	700.15	105	0.13	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.16	64	0.04	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.21	63	0.21	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.27	68	0.06	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.34	64	0.09	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.36	63	0.02	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.37	63	0.07	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.52	69	0.08	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.53	10 3321	0.04	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.59	63	0.02	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.67	64	0.08	103	Benka silt loam, undulating	Matanuska Susitna
Pipeline	700.68	0	0.00	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.69	62	0.05	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.71	63	0.02	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.80	63	0.03	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.84	63	0.03	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.86	62	0.05	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.96	62	0.02	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	700.98	62	0.05	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	701.00	62	0.03	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	701.02	63	0.02	103	Benka silt loam, undulating	Matanuska Susitna
Pipeline	701.47	0	0.00	103	Benka silt loam, undulating	Matanuska Susitna
Pipeline	701.74	0	0.00	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	702.25	63	0.02	103	Benka silt loam, undulating	Matanuska Susitna
Pipeline	702.36	0	0.00	103	Benka silt loam, undulating	Matanuska Susitna
ATWS	702.46	62	0.02	103	Benka silt loam, undulating	Matanuska Susitna
Pipeline	702.69	0	0.00	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
Pipeline	702.83	0	0.00	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
Pipeline	703.22	0	0.00	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
Helipad	703.61	6,365	0.23	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	703.64	63	0.47	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
MLBV Pad	703.67	82	0.77	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	703.89	64	0.06	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	703.92	62	0.02	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.01	65	0.19	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.02	98	0.02	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
Pipeline	704.05	0	0.00	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.26	62	1.39	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.51	65	0.12	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.52	103	0.04	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.54	169	0.72	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.59	108	0.20	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	704.59	87	0.43	104	Benka Liten complex, nearly level and moderately steep	Matanuska Susitna
ATWS	711.28	62	0.22	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	711.34	62	0.07	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	711.36	63	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	711.37	62	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	711.39	62	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	711.42	62	0.10	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	711.48	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	712.03	66	0.21	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	712.03	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	712.04	98	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	713.35	62	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	713.52	63	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	713.55	62	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	713.57	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	713.69	63	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	713.73	63	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	713.84	64	0.13	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.26	65	0.36	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.34	63	0.19	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.35	100	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.40	64	0.09	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.48	62	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.53	62	0.09	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.61	65	0.04	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.69	62	0.14	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.79	62	0.12	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.86	63	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	714.93	62	0.22	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	715.03	62	0.09	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	715.08	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	715.42	62	0.10	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	715.52	62	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Borrow Source	715.54	579	24.89	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Access Road	715.57	61	0.01	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	715.59	64	0.13	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	715.88	116	0.37	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	715.89	84	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	715.89	63	0.08	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Access Road	725.55	988	16.14	219, 214, 242, 231	Nancy Kashwitna complex, 2 to 7 percent slopes, Killey and Hiline silt loams, 0 to 2 percent slopes, Susitna Niklason silt loams, 0 to 2 percent slopes, Salamatof peat, 0 to 2 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	725.79	113	0.13	219, 236	Nancy Kashwitna complex, 2 to 7 percent slopes, Starichkof peat, 0 to 7 percent slopes	Matanuska Susitna
ATWS	725.85	111	0.07	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
Helipad	725.91	236	0.23	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	725.91	86	0.26	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
MLBV Pad	725.93	0	0.14	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	725.96	118	0.55	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.20	102	6294.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.21	68	0.15	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.32	95	0.86	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.62	53	1.12	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.75	95	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
Pipeline	726.78	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.87	107	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.88	69	0.07	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	726.99	100	0.49	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.17	107	6511.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.17	68	0.13	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.23	95	0.10	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.36	96	0.17	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.47	95	0.11	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.50	108	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.50	68	0.08	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.58	112	1.31	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.63	69	0.04	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	727.69	87	0.26	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
Access Road	727.88	247	5.13	219, 214, 240	Nancy Kashwitna complex, 2 to 7 percent slopes, Killey and Hilline silt loams, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna
ATWS	733.86	71	1.62	219, 217, 242, 213	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes, Susitna Niklason silt loams, 0 to 2 percent slopes, Homestead silt loam, 0 to 2 percent slopes	Matanuska Susitna
ATWS	748.60	100	0.37	232, 214	Schrock silt loam, 0 to 2 percent slopes, Killey and Hilline silt loams, 0 to 2 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	748.69	75	0.17	232, 214	Schrock silt loam, 0 to 2 percent slopes, Killey and Hiline silt loams, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	748.77	0	0.00	232	Schrock silt loam, 0 to 2 percent slopes	Matanuska Susitna
ATWS	748.79	75	0.08	232	Schrock silt loam, 0 to 2 percent slopes	Matanuska Susitna
ATWS	748.86	76	0.06	232	Schrock silt loam, 0 to 2 percent slopes	Matanuska Susitna
ATWS	748.90	65	0.60	232, 223, 217, 214	Schrock silt loam, 0 to 2 percent slopes, Nancy Kashwitna complex, 30 to 45 percent slopes, Lucile silt loam, 0 to 2 percent slopes, Killey and Hiline silt loams, 0 to 2 percent slopes	Matanuska Susitna
Access Road	749.99	667	21.63	218, 240, 203, 233, 219, 217, 233, 203, 233, 233	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes, Chichantna peat, 0 to 8 percent slopes, Slikok muck, 0 to 5 percent slopes, Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes, Slikok muck, 0 to 5 percent slopes, Chichantna peat, 0 to 8 percent slopes, Slikok muck, 0 to 5 percent slopes, Slikok muck, 0 to 5 percent slopes	Matanuska Susitna
ATWS	750.09	74	0.08	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	750.09	75	0.04	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	750.11	98	0.25	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	750.12	80	6885.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	750.20	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	750.26	75	0.04	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	750.47	61	2.29	218, 219, 217	Nancy Kashwitna complex, 0 to 2 percent slopes, Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Matanuska Susitna
Borrow Source	750.77	529	19.80	219, 217, 203	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes, Chichantna peat, 0 to 8 percent slopes	Matanuska Susitna
ATWS	750.79	92	0.26	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	750.81	82	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
Pipeline	750.81	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	750.87	100	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	750.89	100	0.30	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Matanuska Susitna
ATWS	753.18	83	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	753.23	75	6885.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	753.52	75	0.67	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
Borrow Source	753.54	524	25.25	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	753.58	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	753.80	85	6634.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	753.88	75	0.14	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	753.95	85	6835.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	753.96	75	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	753.99	75	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	754.16	105	0.14	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	754.24	75	0.09	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	754.29	80	6883.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	754.30	80	0.01	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Pipeline	754.46	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	754.48	52	0.77	218, 240	Nancy Kashwitna complex, 0 to 2 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Matanuska Susitna
ATWS	754.53	75	0.54	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
Disposal Site	754.60	163	4.86	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Matanuska Susitna
ATWS	756.50	68	0.16	219, 240	Nancy Kashwitna complex, 2 to 7 percent slopes, Strandline Spenard Kroto complex, 2 to 30 percent slopes	Kenai Peninsula
ATWS	756.55	65	0.04	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.56	97	0.26	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.57	75	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.58	59	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.59	69	0.07	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	756.62	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.64	68	0.09	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.69	90	0.29	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.87	70	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	756.88	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.89	70	0.11	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.89	84	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	756.91	70	0.05	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	757.00	67	0.14	219, 244	Nancy Kashwitna complex, 2 to 7 percent slopes, Tyonek peat, 0 to 2 percent slopes	Kenai Peninsula
ATWS	757.06	160	2.48	219, 244, 246	Nancy Kashwitna complex, 2 to 7 percent slopes, Tyonek peat, 0 to 2 percent slopes, Water	Kenai Peninsula
ATWS	757.08	153	2.38	219, 244, 246, 216	Nancy Kashwitna complex, 2 to 7 percent slopes, Tyonek peat, 0 to 2 percent slopes, Water, Kroto Strandline Cryorthents complex, 30 to 45 percent slopes	Kenai Peninsula
ATWS	757.10	83	0.18	219, 244	Nancy Kashwitna complex, 2 to 7 percent slopes, Tyonek peat, 0 to 2 percent slopes	Kenai Peninsula
Pipeline	757.10	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	757.84	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	757.87	105	0.63	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	757.88	75	0.05	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	758.02	75	0.20	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.06	65	0.18	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.06	83	6523.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.18	76	0.08	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.22	79	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.31	75	0.12	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.37	8 0426	6871.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.43	86	0.03	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.44	69	0.08	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.44	78	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.54	76	0.17	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.63	76	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
Pipeline	758.64	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.69	75	6841.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.69	98	0.24	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.70	80	6777.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.71	79	0.07	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.71	78	0.01	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.73	77	0.01	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.79	75	0.17	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	758.95	74	0.01	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.07	76	0.09	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	759.10	65	9592.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.23	76	0.07	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.27	8 0227	6877.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.28	62	1.41	219, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.30	77	0.02	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.34	74	0.01	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.37	8 015	6868.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.41	77	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.46	79	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.49	81	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.50	62	0.21	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.54	85	6804.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.55	76	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.55	84	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	759.57	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.57	8 0199	6756.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.58	69	0.21	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.58	92	0.15	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.61	85	6859.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.62	75	6833.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.63	80	6848.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.64	90	6824.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.66	82	8341.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.70	7 0231	0.36	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.73	53	6839.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.74	8 0369	0.02	219, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.75	95	0.06	219, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	759.75	66	0.04	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.76	57	3443.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	759.77	8 0399	0.05	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
Access Road	759.98	78	0.10	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
Borrow Source	759.98	466	19.93	219, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	760.30	93	0.17	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	760.31	68	0.09	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
Pipeline	760.34	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
Disposal Site	760.35	301	4.90	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	760.73	83	6205.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	760.73	67	0.15	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	760.94	85	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	760.95	67	0.09	219, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	761.00	75	1.62	219, 217, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
Pipeline	761.01	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	761.73	0	0.00	218	Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	762.17	75	0.70	219, 217, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
ATWS	762.22	52	1.97	219, 219, 217, 218	Nancy Kashwitna complex, 2 to 7 percent slopes, Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes, Nancy Kashwitna complex, 0 to 2 percent slopes	Kenai Peninsula
Pipeline	762.26	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.33	75	0.07	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	762.36	64	0.14	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.42	8 0625	0.05	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	762.47	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.48	75	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.55	62	0.42	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	762.56	77	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.57	91	0.04	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.63	8 0406	0.03	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	762.66	75	0.03	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	762.75	87	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.77	66	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.79	75	0.05	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	762.85	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.90	75	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.91	78	0.05	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.92	83	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	762.93	65	0.97	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	762.98	75	0.05	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.02	93	0.25	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	763.03	68	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.03	8 0397	6883.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.04	79	0.03	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	763.04	8 052	6851.00	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	763.41	8 0346	6886.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.43	67	0.10	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.43	75	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.45	75	6877.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.48	75	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.51	75	0.05	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	763.62	75	0.08	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
Pipeline	763.65	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.65	62	1.03	219, 217	Nancy Kashwitna complex, 2 to 7 percent slopes, Lucile silt loam, 0 to 2 percent slopes	Kenai Peninsula
ATWS	763.68	67	0.08	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.68	86	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.72	75	0.20	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.83	98	0.27	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	763.84	77	0.13	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.84	75	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	763.86	78	0.13	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	764.00	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.01	90	0.19	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.02	105	0.47	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.03	52	0.04	219, 236	Nancy Kashwitna complex, 2 to 7 percent slopes, Starichkof peat, 0 to 7 percent slopes	Kenai Peninsula
ATWS	764.05	8 0517	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.10	8 0526	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.15	75	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.19	63	0.15	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.21	84	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.22	81	0.12	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.23	82	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.24	81	0.08	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.29	8 0052	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.34	8 0505	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.37	75	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.37	73	0.14	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.39	82	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.40	75	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.45	75	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.47	57	0.90	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.48	8 0416	0.03	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.54	75	0.09	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.59	8 0029	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.62	75	0.01	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.65	8 0481	0.04	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	764.71	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.73	75	0.10	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.90	8 0555	0.28	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	764.97	101	0.39	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula

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Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
ATWS	764.99	75	0.19	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.04	75	0.18	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.05	100	0.29	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.05	75	0.07	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.07	88	4385.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.08	70	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.24	75	0.41	219, 236	Nancy Kashwitna complex, 2 to 7 percent slopes, Starichkof peat, 0 to 7 percent slopes	Kenai Peninsula
Access Road	765.25	326	1.39	219, 236	Nancy Kashwitna complex, 2 to 7 percent slopes, Starichkof peat, 0 to 7 percent slopes	Kenai Peninsula
ATWS	765.31	85	0.02	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.31	71	0.07	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.49	78	0.01	219, 236	Nancy Kashwitna complex, 2 to 7 percent slopes, Starichkof peat, 0 to 7 percent slopes	Kenai Peninsula
ATWS	765.49	8 3585	0.04	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.52	63	0.93	219, 236	Nancy Kashwitna complex, 2 to 7 percent slopes, Starichkof peat, 0 to 7 percent slopes	Kenai Peninsula
Access Road	765.59	624	1.45	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	765.63	127	0.24	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.64	75	0.31	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	765.66	166	0.57	219, 236	Nancy Kashwitna complex, 2 to 7 percent slopes, Starichkof peat, 0 to 7 percent slopes	Kenai Peninsula
ATWS	765.74	83	6041.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.74	68	0.16	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	765.75	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.82	75	0.07	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	765.82	83	0.13	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Camp	765.83	358	2.97	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	765.83	115	0.12	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	765.84	877	1.84	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.86	92	0.18	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.87	67	0.09	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.87	75	0.06	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	765.94	75	0.09	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	765.98	57	741.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula

APPENDIX C - TABLE 2						
Soils of Local Importance Affected by the Project Mainline						
Mainline ^a						
Feature Type ^a	Approx. MP ^b	Distance (ft)	Acerage ^b	MUSYM	Map Unit Name ^b	Borough/
Helipad	765.99	2,107	0.23	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
MLBV Pad	766.01	0	0.14	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	766.04	110	0.17	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	766.07	654	0.07	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipe Storage Yard	766.07	214	2.54	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipe Storage Yard	766.10	322	5.20	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Pipeline	766.14	0	0.00	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	766.15	289	1.14	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	766.18	94	1.53	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Access Road	766.19	526	1.61	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
ATWS	766.20	100	1.74	219	Nancy Kashwitna complex, 2 to 7 percent slopes	Kenai Peninsula
Total:			247763.38			
Source:						
^a GIS Feature ID as determined by exp, ^b USDA NRCS, 2017						