

ASAP Appendix E - Stream Crossings

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_1	0.78	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_2	3.24	Gas Conditioning Facility to Mile 540	Arctic	Putuligayuk R	Artificial Path	HDD	Winter 1	Y	Y
ST_3	9.36	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	HDD	Winter 1	Y	
ST_4	16.91	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_5	17.05	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_6	17.38	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_7	23.02	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_8	28.04	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_9	36.02	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_10	36.4	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_11	38.47	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_12	39.03	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_13	39.24	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_14	39.66	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_14_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_15	40.48	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_16	40.94	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_17	41.26	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_17_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_17_2	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_18	42.75	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_19	43.58	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_19_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Stream	open cut	Winter 1	Y	Y
ST_20	44.37	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Stream	open cut	Winter 1	Y	Y
ST_21	44.59	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_22	44.69	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_23	57.19	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_24	58.89	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_24_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_25	61.21	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_26	64.84	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_27	69.82	Gas Conditioning Facility to Mile 540	Arctic	Spoiled Mary Cr	Perennial Stream/River	open cut	Winter 1	N	Y
ST_28	71.36	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Intermittent Stream/River	open cut	Winter 1	Y	Y
ST_29	74.39	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 1	N	
ST_30	76.63	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_31	76.81	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_32	82.59	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* _{a,b}	Resident Fish** _{c,d}
ST_33	83.81	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_34	86.19	Gas Conditioning Facility to Mile 540	Arctic	Lori Cr	Perennial Stream/River	open cut	Winter 1	N	Y
ST_35	86.54	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_36	87.31	Gas Conditioning Facility to Mile 540	Arctic	Stump Cr	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_37	87.87	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	HDD	Winter 1	Y	Y
ST_38	91.77	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	HDD	Winter 2	Y	Y
ST_39	93.85	Gas Conditioning Facility to Mile 540	Arctic	Arthur Cr	Perennial Stream/River	open cut	Winter 2	N	Y
ST_40	94.95	Gas Conditioning Facility to Mile 540	Arctic	Gustafson Gulch	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_41	98.38	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_42	99.64	Gas Conditioning Facility to Mile 540	Arctic	Polygon Cr	Perennial Stream/River	open cut	Winter 2	N	Y
ST_43	100.09	Gas Conditioning Facility to Mile 540	Arctic	Poison Pipe Cr	Perennial Stream/River	open cut	Winter 2	N	Y
ST_44	102.43	Gas Conditioning Facility to Mile 540	Arctic	Climb Cr	Perennial Stream/River	open cut	Winter 2	N	Y
ST_45	102.78	Gas Conditioning Facility to Mile 540	Arctic	Dennis Cr	Perennial Stream/River	open cut	Winter 2	N	Y
ST_46	104.93	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_47	105.69	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_48	106.61	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	Y
ST_49	106.95	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_50	107.41	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_51	109.15	Gas Conditioning Facility to Mile 540	Arctic	Oksrukuyik Cr	Perennial Stream/River	open cut	Winter 2	N	Y

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_52	109.17	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_53	110.60	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_54	112.00	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_55	116.13	Gas Conditioning Facility to Mile 540	Arctic	Toolik R	Perennial Stream/River	open cut	Winter 2	N	Y
ST_56	124.65	Gas Conditioning Facility to Mile 540	Arctic	E. F. Kuparuk R	Perennial Stream/River	open cut	Winter 2	N	Y
ST_57	127.23	Gas Conditioning Facility to Mile 540	Arctic	Kuparuk R	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_58	128.70	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_59	130.68	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_60	131.11	Gas Conditioning Facility to Mile 540	Arctic	Toolik R	Perennial Stream/River	open cut	Winter 2	N	
ST_60_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 2	N	
ST_60_2	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 2	N	
ST_61	131.79	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_62	133.62	Gas Conditioning Facility to Mile 540	Arctic	Kuparuk R	Perennial Stream/River	HDD	Winter 2	N	
ST_63	137.87	Gas Conditioning Facility to Mile 540	Arctic	Terry Cr	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_64	138.07	Gas Conditioning Facility to Mile 540	Arctic	Terry Cr	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_65	138.74	Gas Conditioning Facility to Mile 540	Arctic	Mack Cr	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_66	139.61	Gas Conditioning Facility to Mile 540	Arctic	Ed Cr	Stream	open cut	Winter 2	N	Y
ST_67	139.93	Gas Conditioning Facility to Mile 540	Arctic	Jill Cr	Stream	open cut	Winter 2	N	Y
ST_68	140.00	Gas Conditioning Facility to Mile 540	Arctic	Galbraith L trib	Intermittent Stream/River	open cut	Winter 2	N	Y

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_69	140.42	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_70	140.78	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_70_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 2	N	
ST_71	140.96	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_72	141.69	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_73	141.98	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	HDD	Winter 2	N	Y
ST_74	142.72	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_75	145.79	Gas Conditioning Facility to Mile 540	Arctic	Tee Lake Outlet	Artificial Path	open cut	Winter 2	N	Y
ST_76	146.58	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_77	147.29	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_78	147.69	Gas Conditioning Facility to Mile 540	Arctic	Vanish/Holden Cr	Stream	open cut	Winter 2	N	Y
ST_79	147.92	Gas Conditioning Facility to Mile 540	Arctic	Mainline Spring Cr	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_80	149.26	Gas Conditioning Facility to Mile 540	Arctic	Roche Moutonee Cr	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_81	150.13	Gas Conditioning Facility to Mile 540	Arctic	Atigun R	Artificial Path	HDD	Winter 2	N	
ST_82	150.30	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_83	151.66	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_84	152.80	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_85	153.11	Gas Conditioning Facility to Mile 540	Arctic	Waterhole Cr	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_86	153.48	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_87	154.78	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_88	155.83	Gas Conditioning Facility to Mile 540	Arctic	Tyler Cr	Perennial Stream/River	open cut	Winter 2	N	Y
ST_89	157.11	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_90	158.07	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_91	158.14	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_92	158.96	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_93	160.02	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_94	160.52	Gas Conditioning Facility to Mile 540	Arctic	Atigun R floodplain	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_95	161.21	Gas Conditioning Facility to Mile 540	Arctic	Atigun R floodplain	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_96	162.18	Gas Conditioning Facility to Mile 540	Arctic	Atigun R floodplain	Perennial Stream/River	open cut	Winter 2	N	Y
ST_96_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Winter 2	N	
ST_97	162.33	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_98	163.00	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_99	163.28	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_99_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Summer 1	N	
ST_100	165.48	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_101	167.09	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_102	167.67	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Artificial Path	open cut	Summer 1	N	
ST_103	168.00	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_104	168.57	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_105	170.02	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Stream	open cut	Summer 1	N	
ST_106	170.19	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_107	170.38	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_108	170.53	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_109	171.04	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Summer 1	N	
ST_110	171.12	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Artificial Path	open cut	Summer 1	N	
ST_111	171.19	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	Y
ST_112	171.61	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_113	172.61	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_114	173.16	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_115	173.93	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 1	N	Y
ST_116	175.04	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_117	176.66	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_118	178.17	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_119	178.28	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_120	178.62	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_121	180.02	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 2	N	Y
ST_122	183.28	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_123	183.30	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_124	183.32	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_125	183.32	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_126	183.37	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_127	183.42	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	N	Y
ST_128	183.48	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 2	N	Y
ST_129	183.76	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 2	N	
ST_130	183.92	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Summer 2	N	Y
ST_131	183.94	Gas Conditioning Facility to Mile 540	Interior	Unnamed	Artificial Path	open cut	Summer 2	N	Y
ST_132	184.00	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	N	Y
ST_133	184.01	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	N	Y
ST_134	184.13	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	N	Y
ST_135	184.16	Gas Conditioning Facility to Mile 540	Interior	Nutirwik Cr	Artificial Path	open cut	Winter 1	N	Y
ST_135_1	unk	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Stream	open cut	Winter 1	N	Y
ST_135_2	unk	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Stream	open cut	Winter 1	N	Y
ST_136	184.29	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Winter 1	N	Y
ST_137	184.36	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Winter 1	N	Y
ST_138	185.52	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_139	186.29	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Winter 1	N	

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_139_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_140	186.75	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_141	187.82	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_142	189.42	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_142_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_143	189.96	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_143_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_144	192.37	Gas Conditioning Facility to Mile 540	Interior	Nutirwik Cr	Artificial Path	open cut	Winter 1	N	Y
ST_145	193.54	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_146	193.55	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_146_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_147	194.02	Gas Conditioning Facility to Mile 540	Interior	Snowden Cr	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_148	194.51	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_149	194.79	Gas Conditioning Facility to Mile 540	Interior	Sahr's Slough	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_150	195.50	Gas Conditioning Facility to Mile 540	Interior	Disaster Cr	Perennial Stream/River	open cut	Winter 1	N	Y
ST_151	197.92	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_151_1	uknk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_151_2	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_151_3	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	

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Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_152	198.81	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_153	200.03	Gas Conditioning Facility to Mile 540	Interior	Big Jim Cr	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_154	201.23	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Winter 1	N	Y
ST_155	202.51	Gas Conditioning Facility to Mile 540	Interior	Eva Cr	Stream	open cut	Winter 1	N	Y
ST_155_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_156	202.57	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_157	202.93	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_158	203.91	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_159	204.73	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_160	205.41	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_160_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_161	205.80	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_162	206.67	Gas Conditioning Facility to Mile 540	Interior	Snowden Cr	Perennial Stream/River	open cut	Winter 1	N	Y
ST_163	207.55	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_163_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_164	208.23	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_165	209.51	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_166	210.29	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_167	210.76	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_168	210.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	Y	Y
ST_169	211.04	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	Y	Y
ST_170	211.56	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	Y	Y
ST_171	212.26	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_172	213.55	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	N	Y
ST_172_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_172_2	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_173	213.95	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_173_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_173_2	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_174	215.47	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_174_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_174_2	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_175	215.89	Gas Conditioning Facility to Mile 540	Interior	Middle Fork Koyukuk R	Artificial Path	open cut	Winter 1	Y	
ST_176	217.98	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_177	219.37	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_178	223.38	Gas Conditioning Facility to Mile 540	Interior	Linda Cr	Perennial Stream/River	open cut	Winter 1	N	
ST_179	223.92	Gas Conditioning Facility to Mile 540	Interior	Gold Cr	Perennial Stream/River	open cut	Winter 1	N	
ST_180	224.43	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* _{a,b}	Resident Fish** _{c,d}
ST_181	224.69	Gas Conditioning Facility to Mile 540	Interior	Sheep Cr	Perennial Stream/River	open cut	Winter 1	N	Y
ST_182	225.21	Gas Conditioning Facility to Mile 540	Interior	Wolf Pup Cr	Perennial Stream/River	open cut	Winter 1	N	Y
ST_182_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_183	225.64	Gas Conditioning Facility to Mile 540	Interior	Nugget Cr	Perennial Stream/River	open cut	Winter 1	N	Y
ST_184	227.91	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_185	228.11	Gas Conditioning Facility to Mile 540	Interior	Rainbow Gulch	Intermittent Stream/River	open cut	Winter 1	Y	Y
ST_186	229.53	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_187	229.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_188	230.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_189	230.28	Gas Conditioning Facility to Mile 540	Interior	Middle Fork Koyukuk R	Artificial Path	open cut	Winter 1	Y	Y
ST_189_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_189_2	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_189_3	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_190	230.60	Gas Conditioning Facility to Mile 540	Interior	Hammond R	Artificial Path	open cut	Winter 1	Y	Y
ST_191	232.70	Gas Conditioning Facility to Mile 540	Interior	Middle Fork Koyukuk R	Perennial Stream/River	open cut	Winter 1	Y	
ST_192	233.95	Gas Conditioning Facility to Mile 540	Interior	Minnie Cr	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_193	235.25	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_194	235.37	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_195	235.99	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_196	236.59	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_197	237.35	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_198	237.42	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_199	237.95	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_199_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_200	238.72	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y
ST_200_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_201	238.80	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_202	239.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	Y
ST_203	239.43	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_203_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_203_2	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	
ST_204	240.40	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_205	240.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_206	241.22	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_207	241.39	Gas Conditioning Facility to Mile 540	Interior	Marion Cr	Perennial Stream/River	open cut	Winter 1	Y	
ST_208	242.49	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_209	242.82	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_210	243.84	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	N	Y

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* _{a,b}	Resident Fish** _{c,d}
ST_211	244.82	Gas Conditioning Facility to Mile 540	Interior	Clara Cr	Perennial Stream/River	open cut	Winter 1	N	
ST_212	245.00	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_213	246.04	Gas Conditioning Facility to Mile 540	Interior	Slate Cr	Perennial Stream/River	open cut	Winter 1	Y	
ST_214	247.56	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	N	
ST_215	249.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_216	251.50	Gas Conditioning Facility to Mile 540	Interior	Rosie Cr	Perennial Stream/River	open cut	Winter 2	Y	Y
ST_217	251.64	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_218	252.22	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	Y	Y
ST_219	252.40	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	N	
ST_220	252.50	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	N	Y
ST_221	252.84	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_222	252.97	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	Y
ST_223	254.29	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	Y	Y
ST_224	255.33	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_225	256.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	Y
ST_226	258.17	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	Y
ST_227	258.31	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	Y
ST_228	259.28	Gas Conditioning Facility to Mile 540	Interior	Chapman Cr	Perennial Stream/River	open cut	Winter 2	N	Y
ST_229	259.88	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_230	260.52	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_231	263.31	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	N	Y
ST_232	265.41	Gas Conditioning Facility to Mile 540	Interior	South Fork Koyukuk R	Artificial Path	HDD	Winter 2	Y	Y
ST_233	265.69	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	N	
ST_234	266.87	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_235	267.53	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_236	268.26	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_237	268.90	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	N	
ST_238	269.63	Gas Conditioning Facility to Mile 540	Interior	Finger Mtn Cr	Stream	open cut	Winter 2	N	Y
ST_239	270.10	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_240	270.36	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_241	271.46	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_242	272.99	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_243	273.34	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_244	275.06	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_245	277.34	Gas Conditioning Facility to Mile 540	Interior	Jim R	Artificial Path	open cut	Winter 2	Y	
ST_246	277.96	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_247	279.52	Gas Conditioning Facility to Mile 540	Interior	Douglas Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_248	280.90	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_249	283.41	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_250	283.97	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_251	284.60	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_252	285.97	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	Y
ST_253	286.63	Gas Conditioning Facility to Mile 540	Interior	Prospect Cr	Perennial Stream/River	open cut	Winter 2	Y	Y
ST_254	286.96	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	N	
ST_255	290.99	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_256	291.28	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	Y
ST_257	293.60	Gas Conditioning Facility to Mile 540	Interior	North Fork Bonanza Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_257_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Summer 1	N	
ST_258	295.17	Gas Conditioning Facility to Mile 540	Interior	Bonanza Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_259	298.76	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_260	301.82	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_261	303.41	Gas Conditioning Facility to Mile 540	Interior	Fish Cr	Perennial Stream/River	open cut	Summer 1	N	Y
ST_261_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Summer 1	N	
ST_262	305.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_263	306.18	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_264	309.51	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	Y
ST_265	309.93	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	Y

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_266	311.78	Gas Conditioning Facility to Mile 540	Interior	Kanuti R	Artificial Path	new bridge	Summer 1	N	Y
ST_267	314.91	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_268	315.20	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_269	315.29	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_270	317.32	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_271	317.66	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_272	320.67	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_273	321.07	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_274	321.95	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_275	323.50	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_276	323.75	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_276_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Summer 1	N	
ST_277	324.23	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_278	324.91	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_279	326.59	Gas Conditioning Facility to Mile 540	Interior	Dall Cr	Perennial Stream/River	open cut	Summer 1	N	Y
ST_280	327.92	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_281	328.46	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_282	328.63	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_283	330.39	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	Y

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_284	332.36	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_285	332.64	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_286	333.30	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	Y
ST_287	334.02	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_288	338.70	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	Y
ST_289	340.82	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_290	342.10	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_291	345.22	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_292	346.34	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	N	
ST_293	347.94	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Summer 1	N	
ST_294	349.37	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_295	350.77	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_296	352.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_297	353.74	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_298	355.26	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	N	
ST_299	355.82	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_300	358.54	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_301	359.27	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_302	360.19	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_303	361.08	Gas Conditioning Facility to Mile 540	Interior	Yukon R	Artificial Path	new bridge	Summer 1	Y	
ST_304	369.20	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_305	370.47	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_306	371.30	Gas Conditioning Facility to Mile 540	Interior	Isom Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_307	374.10	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_308	375.77	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_309	376.58	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_310	378.39	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_311	380.01	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_312	381.24	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_313	382.25	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	HDD	Summer 1	N	
ST_314	384.73	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	HDD	Summer 1	Y	
ST_315	386.21	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_316	386.42	Gas Conditioning Facility to Mile 540	Interior	Hess Cr	Artificial Path	open cut	Summer 1	N	
ST_317	386.52	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_318	390.28	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_319	392.52	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_320	395.87	Gas Conditioning Facility to Mile 540	Interior	Erickson Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_321	400.21	Gas Conditioning Facility to Mile 540	Interior	Lost Cr	Perennial Stream/River	open cut	Summer 1	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_322	403.40	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_323	404.11	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_324	406.58	Gas Conditioning Facility to Mile 540	Interior	East Fork Tolovana R	Perennial Stream/River	open cut	Winter 1	Y	
ST_325	407.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_326	409.61	Gas Conditioning Facility to Mile 540	Interior	Winter Cr	Perennial Stream/River	open cut	Winter 1	N	
ST_327	411.73	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_328	412.54	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_329	412.88	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_330	413.02	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_331	413.67	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_332	414.72	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_333	415.40	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_334	416.32	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_335	417.11	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_336	417.55	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_337	418.7	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_338	419.42	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_339	419.47	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_340	421.66	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_341	422.27	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_342	423.31	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_343	423.47	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_344	424.01	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_345	425.35	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_346	426.28	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_347	432.78	Gas Conditioning Facility to Mile 540	Interior	Tatalina R	Perennial Stream/River	open cut	Winter 1	Y	
ST_348	433.18	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_349	433.73	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_350	435.29	Gas Conditioning Facility to Mile 540	Interior	Washington Cr	Perennial Stream/River	open cut	Winter 1	N	
ST_351	435.66	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_352	441.26	Gas Conditioning Facility to Mile 540	Interior	Chatanika R	Artificial Path	HDD	Winter 1	Y	Y
ST_353	441.84	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_354	444.29	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_355	445.98	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_356	446.5	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_357	447.08	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_358	448.46	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_359	449.47	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_360	450.49	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_361	452.01	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_362	457.5	Gas Conditioning Facility to Mile 540	Interior	Goldstream Cr	Perennial Stream/River	open cut	Winter 1	N	
ST_363	458.36	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_364	465.88	Gas Conditioning Facility to Mile 540	Interior	Little Goldstream Cr	Perennial Stream/River	open cut	Winter 1	N	
ST_365	469.37	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_366	471.54	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	Y
ST_367	475.55	Gas Conditioning Facility to Mile 540	Interior	Tanana R	Artificial Path	HDD	Winter 2	Y	
ST_368	482.18	Gas Conditioning Facility to Mile 540	Interior	Fish Cr	Perennial Stream/River	open cut	Winter 2	N	
ST_369	484.32	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_370	484.82	Gas Conditioning Facility to Mile 540	Interior	Julius Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_371	485.46	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_372	486.29	Gas Conditioning Facility to Mile 540	Interior	Julius Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_373	487.74	Gas Conditioning Facility to Mile 540	Interior	Glacier Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_374	501.38	Gas Conditioning Facility to Mile 540	Interior	Nenana R	Artificial Path	open cut	Winter 2	Y	
ST_375	501.92	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_376	503.04	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_377	504.74	Gas Conditioning Facility to Mile 540	Interior	Birch Cr	Perennial Stream/River	open cut	Winter 2	N	
ST_378	506.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_379	507.9	Gas Conditioning Facility to Mile 540	Interior	Bear Cr	Perennial Stream/River	open cut	Winter 2	Y	Y
ST_380	508.22	Gas Conditioning Facility to Mile 540	Interior	June Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_381	511.09	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_382	516.08	Gas Conditioning Facility to Mile 540	Interior	Rock Cr	Perennial Stream/River	open cut	Winter 2	N	
ST_383	519.53	Gas Conditioning Facility to Mile 540	Interior	Slate Cr	Perennial Stream/River	open cut	Winter 2	N	
ST_384	523.25	Gas Conditioning Facility to Mile 540	Interior	Little Panguingue Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_385	524.76	Gas Conditioning Facility to Mile 540	Interior	Panguingue Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_386	527.58	Gas Conditioning Facility to Mile 540	Interior	Dry Cr	Artificial Path	open cut	Winter 2	N	
ST_387	528.10	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	HDD	Winter 2	N	
ST_388	532.76	Gas Conditioning Facility to Mile 540	Interior	Antler Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_389	533.81	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_390	534.51	Gas Conditioning Facility to Mile 540	Interior	Nenana R	Artificial Path	open cut	Summer 1	Y	
ST_391	534.77	Gas Conditioning Facility to Mile 540	Interior	Coyote Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_392	535.11	Gas Conditioning Facility to Mile 540	Interior	Dragonfly Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_393	535.50	Gas Conditioning Facility to Mile 540	Interior	Eagle Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_394	536.28	Gas Conditioning Facility to Mile 540	Interior	Fox Cr	Perennial Stream/River	open cut	Fall 1/Winter 2	N	Y
ST_395	536.62	Gas Conditioning Facility to Mile 540	Interior	Grizzly Cr	Perennial Stream/River	existing bridge	Fall 1/Winter 2	N	
ST_396	537.26	Gas Conditioning Facility to Mile 540	Interior	Hornet Cr	Perennial Stream/River	open cut	Fall 1/Winter 2	N	
ST_397	537.45	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Fall 1/Winter 2	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_398	538.47	Gas Conditioning Facility to Mile 540	Interior	Junco Cr	Perennial Stream/River	open cut	Fall 1/Winter 2	N	
ST_399	539.24	Gas Conditioning Facility to Mile 540	Interior	Kingfisher Cr	Perennial Stream/River	open cut	Fall 1/Winter 2	N	
ST_400	540.23	Mile 540 to Mile 555	Interior	Lynx Cr	Perennial Stream/River	open cut	Fall 1/Winter 2	N	
ST_401	540.9	Mile 540 to Mile 555	Interior	Montana Cr	Perennial Stream/River	open cut	Fall 1/Winter 2	N	
ST_402	541.8	Mile 540 to Mile 555	Interior	Name Unknown	Perennial Stream/River	open cut	Fall 1/Winter 2	N	
ST_403	543.84	Mile 540 to Mile 555	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_404	545.16	Mile 540 to Mile 555	Interior	Yanert Fork	Artificial Path	open cut	Summer 1	N	
ST_405	553.57	Mile 540 to Mile 555	Interior	Carlo Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_406	555.73	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_407	556.43	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	Y
ST_408	556.56	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_409	556.91	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_410	557.99	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Slime Cr	Perennial Stream/River	HDD	Summer 1	N	
ST_411	561.4	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_412	561.92	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Nenana R	Artificial Path	open cut	Summer 1	Y	Y
ST_413	562.29	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_414	565.77	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_415	568.07	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Jack R	Perennial Stream/River	HDD	Summer 1	N	
ST_416	569.57	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	HDD	Summer 1	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* _{a,b}	Resident Fish** _{c,d}
ST_417	577.54	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_418	583.12	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Middle Fork Chulitna R	Artificial Path	HDD	Summer 1	Y	
ST_419	587.32	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Fourth of July Cr	Perennial Stream/River	open cut	Summer 1	N	
ST_420	592.56	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	East Fork Chulitna R	Perennial Stream/River	HDD	Summer 1	Y	
ST_421	593.73	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Hardage Cr	Perennial Stream/River	HDD	Summer 1	Y	
ST_422	594.22	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	Y
ST_423	596.4	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Antimony Cr	Perennial Stream/River	HDD	Summer 1	N	Y
ST_424	596.61	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	N	
ST_425	599.63	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Honolulu Cr	Perennial Stream/River	open cut	Summer 1	Y	Y
ST_426	600.11	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	Y	
ST_427	601.11	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Honolulu Cr	Perennial Stream/River	open cut	Summer 1	Y	
ST_428	603.63	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Hurricane Gulch	Perennial Stream/River	existing bridge	Winter 1	N	
ST_429	606.67	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Granite Cr	Perennial Stream/River	HDD	Winter 1	Y	
ST_430	609.57	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Division Cr	Perennial Stream/River	open cut	Winter 1	Y	
ST_431	610.66	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_432	612.05	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Pass Cr	Perennial Stream/River	HDD	Winter 1	Y	
ST_433	614.28	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Coal Cr	Perennial Stream/River	existing bridge	Winter 1	Y	
ST_434	616.23	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_435	617.7	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Horseshoe Cr	Perennial Stream/River	open cut	Winter 1	Y	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_436	633.68	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Byers Cr	Perennial Stream/River	HDD	Winter 1	Y	
ST_437	637.73	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_438	640.25	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Troublesome Cr	Perennial Stream/River	HDD	Winter 1	Y	
ST_439	640.52	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_440	640.9	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_441	641.61	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	Y
ST_442	642.19	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_443	644.53	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_443_1	unk	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_444	644.79	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Chulitna R	Artificial Path	existing bridge	Winter 1	Y	
ST_445	649.10	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_446	649.69	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_447	650.10	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	Y
ST_448	651.63	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_449	653.06	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	HDD	Winter 1	Y	
ST_450	656.61	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_451	657.35	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	HDD	Winter 1	Y	
ST_452	658.30	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_453	660.18	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Drywater Cr	Perennial Stream/River	HDD	Winter 1	Y	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_454	660.54	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_455	661.13	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_456	662.00	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Trapper Cr	Perennial Stream/River	HDD	Winter 1	Y	Y
ST_457	665.05	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	HDD	Winter 1	Y	
ST_458	665.49	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_459	666.17	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_460	668.06	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Sawmill Cr	Perennial Stream/River	open cut	Winter 1	Y	
ST_461	670.03	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	Y	
ST_462	670.19	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	N	
ST_463	672.04	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Queer Cr	Perennial Stream/River	open cut	Winter 1	Y	
ST_464	672.12	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Rabideux Cr	Perennial Stream/River	HDD	Winter 1	Y	
ST_465	673.28	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Rabideux Cr	Perennial Stream/River	HDD	Winter 1	Y	
ST_466	673.71	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Susitna R	Artificial Path	HDD	Winter 2	Y	
ST_467	675.78	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_468	676.77	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	Y	
ST_469	678.79	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Montana Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_470	681.53	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Montana Cr	Perennial Stream/River	HDD	Winter 2	Y	
ST_471	681.68	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_472	684.50	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Goose Cr	Perennial Stream/River	open cut	Winter 2	Y	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_473	685.67	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	Y	
ST_474	685.73	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	Y	
ST_475	689.35	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Sheep Cr	Perennial Stream/River	HDD	Winter 2	Y	
ST_476	692.78	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Caswell Cr	Perennial Stream/River	open cut	Winter 2	Y	
ST_477	694.54	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_478	694.68	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Kashwitna R	Artificial Path	HDD	Winter 2	Y	
ST_479	696.60	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	197 1/2 Mile Cr	Perennial Stream/River	HDD	Winter 2	Y	
ST_480	703.11	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Willow Cr	Perennial Stream/River	HDD	Winter 2	Y	
ST_481	706.05	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Stream	open cut	Winter 2	N	
ST_482	706.09	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_483	706.32	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Willow Cr	Artificial Path	HDD	Winter 2	Y	
ST_484	708.40	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	Y	
ST_485	710.82	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	Y	
ST_486	715.33	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Rolly Cr	Perennial Stream/River	HDD	Winter 2	N	
ST_487	717.46	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_488	719.36	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_489	722.56	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Fish Cr	Perennial Stream/River	HDD	Winter 2	Y	
ST_490	724.26	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_491	724.47	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_492	730.13	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 2	N	
ST_493	730.55	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Susitna R	Artificial Path	HDD	Winter 2	Y	
ST_494	732.09	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	HDD	Winter 2	Y	
ST_495	734.36	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	HDD	Winter 2	Y	
ST_N1	unk	Denali National Park Route Variation	Interior	Nenana River	Perennial Stream/River	existing bridge	Summer 1	Y	
ST_N2	unk	Denali National Park Route Variation	Interior	Nenana River	Perennial Stream/River	HDD	Fall 1/Winter 2	Y	
ST_F1	unk	Fairbanks Lateral	Interior	Goldstream Creek	Perennial Stream/River	Open cut	Summer 2	N	
ST_F2	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F3	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F4	unk	Fairbanks Lateral	Interior	Glacier Creek	Perennial Stream/River	Open cut	Summer 2	N	
ST_F5	unk	Fairbanks Lateral	Interior	Standard Creek	Perennial Stream/River	Open cut	Summer 2	N	
ST_F6	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F7	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F8	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F9	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F10	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F11	unk	Fairbanks Lateral	Interior	Cache Creek	Perennial Stream/River	Open cut	Summer 2	N	
ST_F12	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F13	unk	Fairbanks Lateral	Interior	Lincoln Creek	Perennial Stream/River	Open cut	Summer 2	N	

TABLE E-1 Stream Crossings Proposed for the ASAP Project ROW

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Anadromous* a,b	Resident Fish** c,d
ST_F14	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F15	unk	Fairbanks Lateral	Interior	Spinach Creek	Perennial Stream/River	Open cut	Summer 2	N	
ST_F16	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F17	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	
ST_F18	unk	Fairbanks Lateral	Interior	Moose Creek	Perennial Stream/River	Open cut	Summer 2	N	
ST_F19	unk	Fairbanks Lateral	Interior	Goldstream Creek	Perennial Stream/River	Open cut	Summer 2	N	
ST_F20	unk	Fairbanks Lateral	Interior	Name Unknown	Perennial Stream/River	Open cut	Summer 2	N	

Key: N=No, Y=Yes, Y-NOM= nominated anadromous stream, HDD= Horizontal Directional Drilling.*Streams that have been nominated as anadromous were considered anadromous. ** Resident fish data is incomplete.

^a Johnson and Blanche 2011.

^b AGDC 2011b. ASAP 2010 Lake Studies Completion Report Prudhoe Bay to Galbraith Lake

^c ADF&G 2011b. Alaska Freshwater Fish Inventory (AFFI)

^d BLM 2002. Renewal of the TAPS ROW Final EIS.

^e AGDC 2011a. ASAP Plan of Development Revision 1.

See Section 5.6 (Fish) for Full References.

TABLE E-2 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Anadromous Fish

Stream Crossing ID	Milepost	Segment	Hydrologic Region	Waterbody Name	Construction Season ^c	Crossing Mode	Anadromous Species and Life Stage ^{a, b}
ST_2	3.24	Gas Conditioning Facility to Mile 540	Arctic	Putuligayuk R	Winter 1	HDD	Wr,BCr,DVr,LCr,OMp,Wr
ST_3	9.36	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Winter 1	HDD	BCp,DVp,Wp
ST_7	23.02	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_8	28.04	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_9	36.02	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_10	36.4	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_11	38.47	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_12	39.03	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_13	39.24	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_14	39.66	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_19_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_20	44.37	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_21	44.59	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_25	61.21	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_26	64.84	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_28	71.36	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_33	83.81	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	open cut	CHp,Pp,BCp,DVr,LCp,Wp
ST_36	87.31	Gas Conditioning Facility to Mile 540	Arctic	Stump Cr	Winter 1	open cut	DVp
ST_37	87.87	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 1	HDD	CHp,Pp,BCp,DVr,LCp,Wp
ST_38	91.77	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Winter 2	HDD	DVp
ST_168	210.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	
ST_169	211.04	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	
ST_170	211.56	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	
ST_171	212.26	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	DVp

TABLE E-2 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Anadromous Fish

Stream Crossing ID	Milepost	Segment	Hydrologic Region	Waterbody Name	Construction Season ^c	Crossing Mode	Anadromous Species and Life Stage ^{a, b}
ST_173	213.95	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	DVp
ST_175	215.89	Gas Conditioning Facility to Mile 540	Interior	Middle Fork Koyukuk R	Winter 1	open cut	CHp,Kp,SFp,Wp
ST_185	228.11	Gas Conditioning Facility to Mile 540	Interior	Rainbow Gulch	Winter 1	open cut	
ST_188	230.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	
ST_189	230.28	Gas Conditioning Facility to Mile 540	Interior	Middle Fork Koyukuk R	Winter 1	open cut	CHp,Kp,SFp,Wp
ST_190	230.60	Gas Conditioning Facility to Mile 540	Interior	Hammond R	Winter 1	open cut	CHr,Kp
ST_191	232.70	Gas Conditioning Facility to Mile 540	Interior	Middle Fork Koyukuk R	Winter 1	open cut	CHp,Kp,SFp,Wp
ST_192	233.95	Gas Conditioning Facility to Mile 540	Interior	Minnie Cr	Winter 1	open cut	Kr
ST_207	241.39	Gas Conditioning Facility to Mile 540	Interior	Marion Cr	Winter 1	open cut	Kp
ST_213	246.04	Gas Conditioning Facility to Mile 540	Interior	Slate Cr	Winter 1	open cut	CHp,Kp
ST_216	251.50	Gas Conditioning Facility to Mile 540	Interior	Rosie Cr	Winter 2	open cut	CHs,Kr
ST_218	252.22	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 2	open cut	Kr
ST_223	254.29	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 2	open cut	Kp
ST_232	265.41	Gas Conditioning Facility to Mile 540	Interior	South Fork Koyukuk R	Winter 2	HDD	CHp,Kp,Wp
ST_245	277.34	Gas Conditioning Facility to Mile 540	Interior	Jim R	Winter 2	open cut	CHs,Ks
ST_247	279.52	Gas Conditioning Facility to Mile 540	Interior	Douglas Cr	Winter 2	open cut	Kr
ST_253	286.63	Gas Conditioning Facility to Mile 540	Interior	Prospect Cr	Winter 2	open cut	Ks
ST_303	361.08	Gas Conditioning Facility to Mile 540	Interior	Yukon R	Summer 1	new bridge	CHp,COp,Kp,Pp,Sp,SFp,Wp
ST_314	384.73	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Summer 1	HDD	
ST_324	406.58	Gas Conditioning Facility to Mile 540	Interior	East Fork Tolovana R	Winter 1	open cut	CHp,COp,Kp
ST_336	417.55	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	
ST_341	422.27	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	
ST_342	423.31	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	

TABLE E-2 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Anadromous Fish

Stream Crossing ID	Milepost	Segment	Hydrologic Region	Waterbody Name	Construction Season ^c	Crossing Mode	Anadromous Species and Life Stage ^{a, b}
ST_346	426.28	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Winter 1	open cut	
ST_347	432.78	Gas Conditioning Facility to Mile 540	Interior	Tatalina R	Winter 1	open cut	
ST_352	441.26	Gas Conditioning Facility to Mile 540	Interior	Chatanika R	Winter 1	HDD	CHp,COp,Kp
ST_367	475.55	Gas Conditioning Facility to Mile 540	Interior	Tanana R	Winter 2	HDD	CHp,COp,Kp
ST_370	484.82	Gas Conditioning Facility to Mile 540	Interior	Julius Cr	Winter 2	open cut	CHp,COp,Kp
ST_372	486.29	Gas Conditioning Facility to Mile 540	Interior	Julius Cr	Winter 2	open cut	CHp,COp,Kp
ST_373	487.74	Gas Conditioning Facility to Mile 540	Interior	Glacier Cr	Winter 2	open cut	COp,Ks
ST_374	501.38	Gas Conditioning Facility to Mile 540	Interior	Nenana R	Winter 2	open cut	CHp,COp,Kp
ST_379	507.9	Gas Conditioning Facility to Mile 540	Interior	Bear Cr	Winter 2	open cut	CHs,COs
ST_380	508.22	Gas Conditioning Facility to Mile 540	Interior	June Cr	Winter 2	open cut	CHs,COs
ST_384	523.25	Gas Conditioning Facility to Mile 540	Interior	Little Panguingue Cr	Winter 2	open cut	COs
ST_385	524.76	Gas Conditioning Facility to Mile 540	Interior	Panguingue Cr	Winter 2	open cut	COsr
ST_390	534.51	Gas Conditioning Facility to Mile 540	Interior	Nenana R	Summer 1	open cut	CHp,COp,Kp
ST_412	561.92	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Nenana R	Summer 1	open cut	CHp, COp, Kp
ST_418	583.12	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Middle Fork Chulitna R	Summer 1	HDD	CHs, COp, Kp, Pp, Sp
ST_420	592.56	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	East Fork Chulitna R	Summer 1	HDD	COp, Ks, Sp
ST_421	593.73	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Hardage Cr	Summer 1	HDD	Kr
ST_425	599.63	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Honolulu Cr	Summer 1	open cut	COpr, Ks
ST_426	600.11	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Summer 1	open cut	COr
ST_427	601.11	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Honolulu Cr	Summer 1	open cut	Ks
ST_429	606.67	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Granite Cr	Winter 1	HDD	Sp, COpr, Kr
ST_430	609.57	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Division Cr	Winter 1	open cut	Kr
ST_432	612.05	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Pass Cr	Winter 1	HDD	CHp, COpr, Kpr, Pp, Sp
ST_433	614.28	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Coal Cr	Winter 1	existing bridge	CHp

TABLE E-2 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Anadromous Fish

Stream Crossing ID	Milepost	Segment	Hydrologic Region	Waterbody Name	Construction Season ^c	Crossing Mode	Anadromous Species and Life Stage ^{a, b}
ST_434	616.23	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	CHp, COp, Kp, Pp
ST_435	617.7	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Horseshoe Cr	Winter 1	open cut	CHp, COpsr, Kp, Pp, Sp
ST_436	633.68	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Byers Cr	Winter 1	HDD	CHps, COps, Kps, Sp
ST_438	640.25	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Troublesome Cr	Winter 1	HDD	CHs, COs, Ks, Ps
ST_440	640.9	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COr
ST_441	641.61	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COr
ST_444	644.79	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Chulitna R	Winter 1	existing bridge	CHs, COp, Kp, Pp, Sp
ST_445	649.10	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COs, Ps
ST_448	651.63	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COp
ST_449	653.06	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	HDD	COps
ST_450	656.61	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COp
ST_451	657.35	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	HDD	COp
ST_452	658.30	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COp
ST_453	660.18	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Drywater Cr	Winter 1	HDD	COsr, ALpr
ST_455	661.13	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COpr
ST_456	662.00	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Trapper Cr	Winter 1	HDD	COpsr, Kr
ST_457	665.05	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	HDD	COsr, Kr
ST_459	666.17	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COr
ST_460	668.06	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Sawmill Cr	Winter 1	open cut	COpsr
ST_461	670.03	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 1	open cut	COr, Kr
ST_463	672.04	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Queer Cr	Winter 1	open cut	COr
ST_464	672.12	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Rabideux Cr	Winter 1	HDD	COsr, Kr
ST_465	673.28	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Rabideux Cr	Winter 1	HDD	COr
ST_466	673.71	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Susitna R	Winter 2	HDD	CHp, COs, Kp, Pp, Sp, ALp, DVp, Wp, OUs

TABLE E-2 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Anadromous Fish

Stream Crossing ID	Milepost	Segment	Hydrologic Region	Waterbody Name	Construction Season ^c	Crossing Mode	Anadromous Species and Life Stage ^{a, b}
ST_468	676.77	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 2	open cut	CO _r
ST_469	678.79	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Montana Cr	Winter 2	open cut	CO _r
ST_470	681.53	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Montana Cr	Winter 2	HDD	CHs, CO _r , Ksr, Ps
ST_472	684.50	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Goose Cr	Winter 2	open cut	CHs, CO _{sr} , Ksr, Ps
ST_473	685.67	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 2	open cut	CO _r
ST_474	685.73	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 2	open cut	CO _r
ST_475	689.35	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Sheep Cr	Winter 2	HDD	CHs, CO _s , Ksr, Ps
ST_476	692.78	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Caswell Cr	Winter 2	open cut	CO _{sr}
ST_478	694.68	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Kashwitna R	Winter 2	HDD	CHs, CO _s , Kpr, Pp, DVp
ST_479	696.60	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	197 1/2 Mile Cr	Winter 2	HDD	CO _{pr} , Kr
ST_480	703.11	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Willow Cr	Winter 2	HDD	CHp, CO _{sr} , Ksr, Ps
ST_483	706.32	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Willow Cr	Winter 2	HDD	CHs, CO _{sr} , Ksr, Ps
ST_484	708.40	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 2	open cut	CO _{pr}
ST_485	710.82	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 2	open cut	CO _r
ST_489	722.56	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Fish Cr	Winter 2	HDD	CO _p , Kp, Pp, Sp
ST_493	730.55	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Little Susitna R	Winter 2	HDD	CHp, CO _p , Kp, Pp, Sp
ST_494	732.09	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 2	HDD	CO _{sr} , Ps
ST_495	734.36	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Winter 2	HDD	CO _{pr}

Key: N=No, Y=Yes, Y-NOM= nominated anadromous stream, HDD= Horizontal Directional Drilling.

*Streams that have been nominated as anadromous were considered anadromous.

Species Codes: AL=Arctic Lamprey, BC=Broad Whitefish, CH=Chum Salmon, CO=Coho Salmon, DV=Dolly Varden, K=Chinook (King) Salmon, P=Pink Salmon, S=Sockeye Salmon,

W=Whitefishes undifferentiated, SF = Sheefish, LC = Least cisco, OU = Eulachon

Life Stage Codes: m=migration, p=present, r=rearing, s=spawning, juv=juvenile.

^a Johnson and Blanche 2011.

^b ADF&G 2011b. Alaska Freshwater Fish Inventory (AFFI)

^c AGDC 2011a. ASAP Plan of Development Revision 1.

See Fish Section (5.6) for Full References.

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_1	0.78	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	W
ST_2	3.24	Gas Conditioning Facility to Mile 540	Arctic	Putuligayuk R	Artificial Path	HDD	Winter 1	W, CA, LT, SB, CS
ST_7	23.02	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 1	W
ST_8	28.04	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	CN, GR, W
ST_9	36.02	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	BB, GR
ST_10	36.4	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	BB, GR
ST_11	38.47	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	BB, W
ST_12	39.03	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	BB, W
ST_13	39.24	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	BB, W
ST_14	39.66	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	GR
ST_19_1	unk	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Stream	open cut	Winter 1	GR
ST_20	44.37	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Stream	open cut	Winter 1	W
ST_21	44.59	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	CN, GR
ST_25	61.21	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	GR
ST_26	64.84	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	GR
ST_27	69.82	Gas Conditioning Facility to Mile 540	Arctic	Spoiled Mary Cr	Perennial Stream/River	open cut	Winter 1	CN, GR
ST_28	71.36	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Intermittent Stream/River	open cut	Winter 1	BB, W, CA, CN, CS, GR,
ST_33	83.81	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	open cut	Winter 1	GR, CD
ST_34	86.19	Gas Conditioning Facility to Mile 540	Arctic	Lori Cr	Perennial Stream/River	open cut	Winter 1	GR
ST_36	87.31	Gas Conditioning Facility to Mile 540	Arctic	Stump Cr	Perennial Stream/River	open cut	Winter 1	CN, GR, LT

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_37	87.87	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	HDD	Winter 1	CN, GR
ST_38	91.77	Gas Conditioning Facility to Mile 540	Arctic	Sag R side channel	Perennial Stream/River	HDD	Winter 2	GR
ST_39	93.85	Gas Conditioning Facility to Mile 540	Arctic	Arthur Cr	Perennial Stream/River	open cut	Winter 2	BB, CN, GR
ST_40	94.95	Gas Conditioning Facility to Mile 540	Arctic	Gustafson Gulch	Intermittent Stream/River	open cut	Winter 2	BB, CN, GR
ST_42	99.64	Gas Conditioning Facility to Mile 540	Arctic	Polygon Cr	Perennial Stream/River	open cut	Winter 2	BB, CN, GR
ST_43	100.09	Gas Conditioning Facility to Mile 540	Arctic	Poison Pipe Cr	Perennial Stream/River	open cut	Winter 2	CN, GR
ST_44	102.43	Gas Conditioning Facility to Mile 540	Arctic	Climb Cr	Perennial Stream/River	open cut	Winter 2	GR
ST_45	102.78	Gas Conditioning Facility to Mile 540	Arctic	Dennis Cr	Perennial Stream/River	open cut	Winter 2	GR
ST_48	106.61	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Perennial Stream/River	open cut	Winter 2	GR
ST_51	109.15	Gas Conditioning Facility to Mile 540	Arctic	Oksrukuyik Cr	Perennial Stream/River	open cut	Winter 2	CN, GR, LT, DV
ST_55	116.13	Gas Conditioning Facility to Mile 540	Arctic	Toolik R	Perennial Stream/River	open cut	Winter 2	GR
ST_56	124.65	Gas Conditioning Facility to Mile 540	Arctic	E. F. Kuparuk R	Perennial Stream/River	open cut	Winter 2	GR
ST_57	127.23	Gas Conditioning Facility to Mile 540	Arctic	Kuparuk R	Intermittent Stream/River	open cut	Winter 2	CN, GR
ST_63	137.87	Gas Conditioning Facility to Mile 540	Arctic	Terry Cr	Intermittent Stream/River	open cut	Winter 2	GR
ST_64	138.07	Gas Conditioning Facility to Mile 540	Arctic	Terry Cr	Intermittent Stream/River	open cut	Winter 2	GR
ST_65	138.74	Gas Conditioning Facility to Mile 540	Arctic	Mack Cr	Intermittent Stream/River	open cut	Winter 2	GR
ST_66	139.61	Gas Conditioning Facility to Mile 540	Arctic	Ed Cr	Stream	open cut	Winter 2	GR
ST_67	139.93	Gas Conditioning Facility to Mile 540	Arctic	Jill Cr	Stream	open cut	Winter 2	GR
ST_68	140.00	Gas Conditioning Facility to Mile 540	Arctic	Galbraith L trib	Intermittent Stream/River	open cut	Winter 2	LT, GR
ST_73	141.98	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	HDD	Winter 2	BB, CN, GR, LT, W

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_75	145.79	Gas Conditioning Facility to Mile 540	Arctic	Tee Lake Outlet	Artificial Path	open cut	Winter 2	BB, CN, GR, LT, W
ST_78	147.69	Gas Conditioning Facility to Mile 540	Arctic	Vanish/Holden Cr	Stream	open cut	Winter 2	CN, GR, W
ST_79	147.92	Gas Conditioning Facility to Mile 540	Arctic	Mainline Spring Cr	Intermittent Stream/River	open cut	Winter 2	BB, CN, GR, W
ST_80	149.26	Gas Conditioning Facility to Mile 540	Arctic	Roche Moutonee Cr	Intermittent Stream/River	open cut	Winter 2	CN, GR, LT, W
ST_85	153.11	Gas Conditioning Facility to Mile 540	Arctic	Waterhole Cr	Intermittent Stream/River	open cut	Winter 2	GR
ST_87	154.78	Gas Conditioning Facility to Mile 540	Arctic	Name Unknown	Intermittent Stream/River	open cut	Winter 2	GR
ST_88	155.83	Gas Conditioning Facility to Mile 540	Arctic	Tyler Cr	Perennial Stream/River	open cut	Winter 2	CN, GR, W
ST_94	160.52	Gas Conditioning Facility to Mile 540	Arctic	Atigun R floodplain	Intermittent Stream/River	open cut	Winter 2	GR, CN, W
ST_95	161.21	Gas Conditioning Facility to Mile 540	Arctic	Atigun R floodplain	Intermittent Stream/River	open cut	Winter 2	GR, CN, GR, W
ST_96	162.18	Gas Conditioning Facility to Mile 540	Arctic	Atigun R floodplain	Perennial Stream/River	open cut	Winter 2	GR, CN, W
ST_108	170.53	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	GR
ST_111	171.19	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	CN, GR, W
ST_113	172.61	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 1	CN, DV, GR, W
ST_114	173.16	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 1	CN, DV, GR, W
ST_115	173.93	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 1	CN, DV, GR, W
ST_116	175.04	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_117	176.66	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_118	178.17	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_119	178.28	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_120	178.62	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_121	180.02	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_122	183.28	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	GR, CN, DV, W
ST_123	183.30	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_124	183.32	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_125	183.32	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_126	183.37	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_127	183.42	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_128	183.48	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Intermittent Stream/River	open cut	Summer 2	CN, DV, GR, W
ST_130	183.92	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Summer 2	CN, DV, GR, W
ST_131	183.94	Gas Conditioning Facility to Mile 540	Interior	Unnamed	Artificial Path	open cut	Summer 2	GR, CN
ST_132	184.00	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	BB, CN, DV, GR, LS, W
ST_133	184.01	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	BB, CN, DV, GR, LS, W
ST_134	184.13	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	BB, CN, DV, GR, LS, W
ST_135	184.16	Gas Conditioning Facility to Mile 540	Interior	Nutirwik Cr	Artificial Path	open cut	Winter 1	GR, CN, DV
ST_135_1	unk	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Stream	open cut	Winter 1	BB, CN, DV, GR, LS
ST_135_2	unk	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Stream	open cut	Winter 1	BB, CN, DV, GR, LS
ST_136	184.29	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Winter 1	GR, CN, DV, BB, LS
ST_137	184.36	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Winter 1	GR, CN, DV, BB, LS
ST_138	185.52	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	GR, CN, DV, BB, LS
ST_140	186.75	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	GR

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_144	192.37	Gas Conditioning Facility to Mile 540	Interior	Nutirwik Cr	Artificial Path	open cut	Winter 1	GR, CN
ST_145	193.54	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	GR, CN
ST_146	193.55	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	GR, CN
ST_147	194.02	Gas Conditioning Facility to Mile 540	Interior	Snowden Cr	Intermittent Stream/River	open cut	Winter 1	CN, DV, GR
ST_149	194.79	Gas Conditioning Facility to Mile 540	Interior	Sahr's Slough	Intermittent Stream/River	open cut	Winter 1	GR, CN
ST_150	195.50	Gas Conditioning Facility to Mile 540	Interior	Disaster Cr	Perennial Stream/River	open cut	Winter 1	CN, GR
ST_153	200.03	Gas Conditioning Facility to Mile 540	Interior	Big Jim Cr	Intermittent Stream/River	open cut	Winter 1	GR, CN, DV, W
ST_154	201.23	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Perennial Stream/River	open cut	Winter 1	BB, CN, GR, LS, W
ST_155	202.51	Gas Conditioning Facility to Mile 540	Interior	Eva Cr	Stream	open cut	Winter 1	GR
ST_156	202.57	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	CN, DV, GR, LS, W, BB
ST_157	202.93	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	CN, DV, GR
ST_158	203.91	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	GR
ST_159	204.73	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	CN, GR
ST_160	205.41	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	CN, GR
ST_160_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	GR
ST_161	205.80	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	CN, GR
ST_162	206.67	Gas Conditioning Facility to Mile 540	Interior	Snowden Cr	Perennial Stream/River	open cut	Winter 1	CN
ST_163	207.55	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	CN, GR
ST_164	208.23	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	CN
ST_167	210.76	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	CN, DS, DV, GR, LS, W

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_168	210.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	CN, DS, DV, GR, LS, W
ST_169	211.04	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	CN, DV, GR, W
ST_170	211.56	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	CN, DS, DV, GR, LS, W
ST_171	212.26	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	GR, BB, CN, DV, LS, W
ST_172	213.55	Gas Conditioning Facility to Mile 540	Interior	Dietrich R	Artificial Path	open cut	Winter 1	DV, GR, CN
ST_172_1	unk	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	DV, GR, CN
ST_173	213.95	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	GR, CN
ST_180	224.43	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	CN, DV, GR, KS, W
ST_181	224.69	Gas Conditioning Facility to Mile 540	Interior	Sheep Cr	Perennial Stream/River	open cut	Winter 1	BB, CN, GR, LS, W
ST_182	225.21	Gas Conditioning Facility to Mile 540	Interior	Wolf Pup Cr	Perennial Stream/River	open cut	Winter 1	CN, GR
ST_183	225.64	Gas Conditioning Facility to Mile 540	Interior	Nugget Cr	Perennial Stream/River	open cut	Winter 1	GR
ST_185	228.11	Gas Conditioning Facility to Mile 540	Interior	Rainbow Gulch	Intermittent Stream/River	open cut	Winter 1	GR, CN, DV, W
ST_186	229.53	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	GR
ST_187	229.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	GR
ST_188	230.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	GR
ST_189	230.28	Gas Conditioning Facility to Mile 540	Interior	Middle Fork Koyukuk R	Artificial Path	open cut	Winter 1	CN, GR, W
ST_190	230.60	Gas Conditioning Facility to Mile 540	Interior	Hammond R	Artificial Path	open cut	Winter 1	LS, CN
ST_192	233.95	Gas Conditioning Facility to Mile 540	Interior	Minnie Cr	Perennial Stream/River	open cut	Winter 1	GR, CN
ST_197	237.35	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	GR
ST_200	238.72	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	CN, GR, LS, W

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_202	239.13	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 1	CN, GR
ST_210	243.84	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 1	BB, CN, GR, W, LS, NP
ST_212	245.00	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	CN, GR, KS
ST_216	251.50	Gas Conditioning Facility to Mile 540	Interior	Rosie Cr	Perennial Stream/River	open cut	Winter 2	GR, CN
ST_217	251.64	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	GR, CN
ST_218	252.22	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	CN, GR, LS, NP, W
ST_220	252.50	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	CN, GR, W
ST_222	252.97	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	BB, CN, GR, LS, W, NP
ST_223	254.29	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	GR, CN, BB, LS, W, NP
ST_224	255.33	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	GR
ST_225	256.83	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	CN
ST_226	258.17	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	CN, GR, LS, W, SK
ST_227	258.31	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	CN, GR, W
ST_228	259.28	Gas Conditioning Facility to Mile 540	Interior	Chapman Cr	Perennial Stream/River	open cut	Winter 2	CN, GR
ST_231	263.31	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Stream	open cut	Winter 2	BB, CN, GR, NP, W
ST_232	265.41	Gas Conditioning Facility to Mile 540	Interior	South Fork Koyukuk R	Artificial Path	HDD	Winter 2	GR
ST_238	269.63	Gas Conditioning Facility to Mile 540	Interior	Finger Mtn Cr	Stream	open cut	Winter 2	GR
ST_242	272.99	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	GR
ST_244	275.06	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	GR
ST_252	285.97	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Winter 2	GR

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_253	286.63	Gas Conditioning Facility to Mile 540	Interior	Prospect Cr	Perennial Stream/River	open cut	Winter 2	CN, GR, LS, NP, W
ST_256	291.28	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	GR, W, NP
ST_261	303.41	Gas Conditioning Facility to Mile 540	Interior	Fish Cr	Perennial Stream/River	open cut	Summer 1	GR, CN, W
ST_264	309.51	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	GR
ST_265	309.93	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	BB
ST_266	311.78	Gas Conditioning Facility to Mile 540	Interior	Kanuti R	Artificial Path	new bridge	Summer 1	BB, BC, W, CA, CN, DS, GR
ST_268	315.20	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	GR
ST_273	321.07	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	GR
ST_278	324.91	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	BC, W, CN, CS, DS, GR, IN, LS, NP
ST_279	326.59	Gas Conditioning Facility to Mile 540	Interior	Dall Cr	Perennial Stream/River	open cut	Summer 1	BC, W, CN, CS, DS, GR, IN, LS, NP
ST_280	327.92	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	GR, LS
ST_283	330.39	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	GR, W
ST_286	333.30	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Intermittent Stream/River	open cut	Summer 1	BB, CI, GR, W, IN
ST_288	338.70	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Summer 1	BB, GR, CN
ST_335	417.11	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 1	GR
ST_352	441.26	Gas Conditioning Facility to Mile 540	Interior	Chatanika R	Artificial Path	HDD	Winter 1	CN
ST_366	471.54	Gas Conditioning Facility to Mile 540	Interior	Name Unknown	Perennial Stream/River	open cut	Winter 2	CN
ST_379	507.9	Gas Conditioning Facility to Mile 540	Interior	Bear Cr	Perennial Stream/River	open cut	Winter 2	CN
ST_394	536.28	Gas Conditioning Facility to Mile 540	Interior	Fox Cr	Perennial Stream/River	open cut	Fall 1/Winter 2	CN
ST_407	556.43	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	LC

TABLE E-3 Stream Crossings Proposed for the ASAP Project ROW Known to Inhabit Resident Fish

Stream Crossing	Milepost	Segment	Hydrologic Region	Waterbody Name	Description	Cross Mode	Construction Season ^e	Resident species ^{a, b, c, d **}
ST_412	561.92	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Nenana R	Artificial Path	open cut	Summer 1	SB, CN
ST_422	594.22	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Summer 1	GR, SB
ST_423	596.4	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Antimony Cr	Perennial Stream/River	HDD	Summer 1	SB, CN
ST_425	599.63	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Honolulu Cr	Perennial Stream/River	open cut	Summer 1	SB
ST_441	641.61	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	SB, DV, CN
ST_446	649.69	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	CN
ST_447	650.10	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Name Unknown	Perennial Stream/River	open cut	Winter 1	DV
ST_456	662.00	Mile 555 to Cook Inlet NGLEP Facility	Southcentral	Trapper Cr	Perennial Stream/River	HDD	Winter 1	CN

Key: HDD = Horizontal Directional Drilling.

** Resident fish data is incomplete.

Species Codes: BB = burbot, CN = slimy culpin, GR = Arctic grayling, LS = Longnose sucker, DV = Dolly Varden, W = Whitefish, SB = Stickleback, NP = Northern Pike, CS = Least cisco, LT = Lake trout, CA = Arctic cisco
CD = Sculpin, CI = Cisco, LC = Lake chub

^a Johnson and Blanche 2011.

^b AGDC 2011b. ASAP 2010 Lake Studies Completion Report Prudhoe Bay to Galbraith Lake

^c ADF&G 2011b. Alaska Freshwater Fish Inventory (AFFI)

^d BLM 2002. Renewal of the TAPS ROW Final EIS.

^e AGDC 2011a. ASAP Plan of Development Revision 1.

See Section 5.6 (Fish) for Full References.