

ALASKA LNG PROJECT	DOCKET NO. CP17-____-000 RESOURCE REPORT NO. 3 APPENDIX H –TABLE OF FISH STREAM CROSSINGS	Doc No: USAI-PE-SRREG-00- 000003-000 DATE: APRIL 14, 2017 REVISION: 0
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**APPENDIX H      TABLE OF FISH STREAM CROSSINGS**

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**APPENDIX H**

**Fisheries of Special Concern Crossed by the Project**

<b>Milepost</b>	<b>Waterbody Name</b>	<b>Proposed Construction Season</b>	<b>Width<sup>a</sup> (feet)</b>	<b>Anadromous Salmon and/or Trout<sup>b</sup></b>	<b>AWC Number<sup>c</sup></b>	<b>Fishery Concerns<sup>d</sup></b>
<b>INTERDEPENDENT PROJECT FACILITIES– MAINLINE PIPELINE</b>						
3.2	Putuligayuk River	Winter	55.00	Yes	330-00-10415	4,8
85.0	Unnamed Tributary to Sagavanirktok River	Summer	5.00	Yes	330-00-10360-2380-3006	5,8
85.5	Unnamed Tributary to Sagavanirktok River	Summer	7.00	Yes	330-00-10360-2380-3006	5,8
88.3	Unnamed Tributary to Sagavanirktok River	Summer	8.00	Yes	330-00-10360-2380	5,8
90.3	Unnamed Stream	Summer	7.00	Yes	330-00-10360-2380	5,7,8
90.3	Dan Creek	Summer	17.00	Yes	330-00-10360-2390	4,8
211.1	Middle Fork Koyukuk River	Summer	280.00	Yes	334-40-11000-2125-3912	3,4,8,11
229.1	Minnie Creek	Winter	0.00	Yes	334-40-11000-2125-3912-4128	5,7,8,11
230.4	Confusion Creek	Winter	0.00	Yes	334-40-11000-2125-3912-4128	5,8,11
236.5	Marion Creek	Winter	0.00	Yes	334-40-11000-2125-3912-4112	3,5,8,11
241.0	Slate Creek	Winter	0.00	Yes	334-40-11000-2125-3912-4100	3,5,8,11
274.0	Unnamed Stream	Summer	5.00	Yes	334-40-11000-2125-3740-4080-5062	4,8,11
356.5	Yukon River	Summer	2,000.00	Yes	334-40-11000	1,5,6,7,8,11
439.1	Chatanika River	Winter	50.00	Yes	334-40-11000-2490-3151-4020	5,8,11
473.0	Tanana River	Summer	2,200.00	Yes	334-40-11000-2490	5,6,7,8,11
476.0	Nenana River (#1)	Winter	180.00	Yes	334-40-11000-2490-3200	5,7,8,11
489.2	Nenana River (#2)	Winter	15.00	Yes	334-40-11000-2490-3200	5,7,8,11
504.7	Bear Creek	Winter	0.00	Yes	334-40-11000-2490-3200-4220	5,8,11
504.9	June Creek	Winter	0.00	Yes	334-40-11000-2490-3200-4220-5005	5,8,11
519.6	Little Panguingue Creek	Winter	0.00	Yes	334-40-11000-2490-3200-4071	3,4,8,11
521.0	Panguingue Creek	Summer	15.00	Yes	334-40-11000-2490-3200-4075	3,4,8,11

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Fisheries of Special Concern Crossed by the Project

Milepost	Waterbody Name	Proposed Construction Season	Width <sup>a</sup> (feet)	Anadromous Salmon and/or Trout <sup>b</sup>	AWC Number <sup>c</sup>	Fishery Concerns <sup>d</sup>
586.3	Middle Fork Chulitna River	Summer	75.00	Yes	247-41-10200-2381	3,5,8,11
589.8	East Fork Chulitna River	Summer	90.00	Yes	247-41-10200-2381-3260	3,4,5,8,11
593.8	Hardage Creek	Summer	10.00	Yes	247-41-10200-2381-3260-4020	5,8,11
598.5	Honolulu Creek	Summer	40.00	Yes	247-41-10200-2381-3240	5,8,11
601.8	Little Honolulu Creek	Summer	9.00	Yes	247-41-10200-2381-3240-4020	3,5,8,11
612.4	Pass Creek	Summer	10.00	Yes	247-41-10200-2381-3236	5,8,11
614.6	Little Coal Creek	Summer	8.00	Yes	247-41-10200-2381-3234	3,8,11
618.1	Horseshoe Creek	Summer	8.00	Yes	247-41-10200-2381-3220	3,5,8,11
634.2	Byers Creek	Summer	25.00	Yes	247-41-10200-2381-3180	3,5,8,11
640.8	Troublesome Creek	Summer	50.00	Yes	247-41-10200-2381-3130	3,8,11
641.8	Chulitna River	Summer	1,830.00	Yes	247-41-10200-2381	3,5,8,11
650.8	Unnamed Tributary to Chulitna River	Summer	5.00	Yes	247-41-10200-2381-3073	5,8,11
658.3	Unnamed Tributary to Chulitna River	Summer	10.00	Yes	247-41-10200-2381-3007	5,8,11
660.1	Unnamed Tributary to Chulitna River	Summer	11.00	Yes	247-41-10200-2381-3007-4017	5,8,11
661.3	Drywater Creek	Summer	5.00	Yes	247-41-10200-2361	3,4,5,11
663.7	Trapper Creek	Summer	30.00	Yes	247-41-10200-2341	3,4,8,11
666.5	Unnamed Tributary to Rabideux Creek	Winter	5.00	Yes	247-41-10200-2291-3049	3,4,8,11
668.2	Unnamed Tributary to Rabideux Creek	Winter	5.00	Yes	247-41-10200-2291-3045	3,4,8,11
670.0	Sawmill Creek	Winter	5.00	Yes	247-41-10200-2291-3041-4002	5,8,11
670.1	Unnamed Tributary to Sawmill Creek	Winter	0.00	Yes	247-41-10200-2291-3041-4002	4,8,11
672.3	Unnamed Tributary to Rabideux Creek	Winter	9.00	Yes	247-41-10200-2291-3025	5,11
673.4	Queer Creek	Winter	5.00	Yes	247-41-10200-2291-3011	4,8,11

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**Fisheries of Special Concern Crossed by the Project**

<b>Milepost</b>	<b>Waterbody Name</b>	<b>Proposed Construction Season</b>	<b>Width<sup>a</sup> (feet)</b>	<b>Anadromous Salmon and/or Trout<sup>b</sup></b>	<b>AWC Number<sup>c</sup></b>	<b>Fishery Concerns<sup>d</sup></b>
678.5	Unnamed Tributary of Queer Creek	Winter	0.00	Yes	247-41-10200-2291-3011	5,11
704.7	Deshka River	Summer	220.00	Yes	247-41-10200-2081	3,4,5,8,9,11
705.6	Unnamed Tributary of Deshka River	Winter	0.00	Yes	247-41-10200-2081-3035	5,11
707.7	Unnamed Tributary of Deshka River	Winter	5.00	Yes	247-41-10200-2081-3035	4,8,11
709.1	Unnamed Tributary of Deshka River	Winter	0.00	Yes	247-41-10200-2081-3035	4,8,11
720.4	Fish Creek #2	Winter	90.00	Yes	247-41-10200-2053	4,5,8,11
720.9	Yentna River	Winter	400.00	Yes	247-41-10200-2053	1,3,4,5,6,7,8,11
725.7	Anderson Creek	Winter	5.00	Yes	247-41-10200-2043	5,8,11
727.8	Alexander Creek	Winter	50.00	Yes	247-41-10200-2015	2,5,8,9,11
730.8	Pierce Creek	Winter	0.00	Yes	247-41-10200-2015-3019	4,8,11
732.8	Granite Creek (North Fork)	Winter	8.00	Yes	247-41-10200-2015-3017	3,4,8,11
734.2	Granite Creek (South Fork)	Winter	0.00	Yes	247-41-10200-2015-3017	3,4,8,11
743.5	Tributary of Ivan River	Winter	0.00	Yes	247-30-10010-2023	2,3,4,5,8,11
744.1	Tributary of Ivan River	Winter	0.00	Yes	247-30-10010-2023	5,8,11
748.5	Theodore River	Summer	90.00	Yes	247-30-10080	2,3,4,5,8,11
750.1	Pretty Creek	Summer	7.00	Yes	247-30-10090-2010	3,8,11
750.8	Unnamed Stream	Summer	6.00	Yes	Nominated	5,11
751.4	Unnamed Stream	Summer	5.00	Yes	Nominated	5,11
751.7	Unnamed Stream	Summer	8.00	Yes	Nominated	5,11
752.2	Tributary of Pretty Creek	Summer	6.00	Yes	247-30-10090-2010-3015-4015	3,4,5,8,11
752.6	Tributary of Pretty Creek	Summer	8.00	Yes	247-30-10090-2010-3015-4015	5,8,11
754.1	Olson Creek	Summer	30.00	Yes	247-30-10090-2020	3,4,5,8,11
757.2	Beluga River	Winter	120.00	Yes	247-30-10090	4,5,6,7,8,11
763.9	Threemile Creek	Summer	8.00	Yes	247-20-10002	3,4,5,8,11

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Milepost	Waterbody Name	Proposed Construction Season	Width <sup>a</sup> (feet)	Anadromous Salmon and/or Trout <sup>b</sup>	AWC Number <sup>c</sup>	Fishery Concerns <sup>d</sup>
766.1	Cook Inlet Offshore Crossing	Summer	Varies	Yes		6,7,8,10,11
<b>INTERDEPENDENT PROJECT – PTTL PIPELINE</b>						
2.0	D Creek	Winter	0	Yes	330-00-10234	4
12.5	L Creek	Winter	0	Yes	330-00-10280	4
18.8	East Badami Creek	Winter	0	Yes	330-00-10290	4
24.3	Unnamed Stream (Artificial)	Winter	0	Yes	330-00-10300	4
25.6	Shaviovik River East	Winter	90	Yes	330-00-10310	5,8
26.9	Unnamed Tributary to Shaviovik River	Winter	0	Yes	330-00-10310-2006	4
27.3	Unnamed Tributary to Shaviovik River	Winter	0	Yes	330-00-10310-2006	4
27.4	Unnamed Tributary to Shaviovik River	Winter	0	Yes	330-00-10310-2006	4
35.4	Kadleroshilik River	Winter	0	Yes	330-00-10320	4,6,8
42.4	East Sagavanirktok Creek	Winter	0	Yes	330-00-10330	4,6,8
44.1	Sagavanirktok River Main Channel	Winter	200	Yes	330-00-10360	4,5,8
53.7	Sagavanirktok River (West Channel)	Winter	400	Yes	330-00-10361	4,5,8
59.6	Unnamed Tributary to Putuligayuk River	Winter	0	Yes	330-00-10415-2001	5
61.3	Putuligayuk River	Winter	0	Yes	330-00-10415	4

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<b>Notes:</b>						
<p><sup>a</sup> Wetted width of waterbody at the time of crossing. Waterbodies with no perceptible flow or frozen to the bed at the time of crossing are assigned a width of 0 feet and would be crossed using standard upland construction techniques in accordance with the Alaska LNG Project <i>Plan</i>. Width determined using best available information per Project <i>Watercourse Hydrology Report</i>.</p> <p><sup>b</sup> Anadromous fish is defined by Alaska Department of Fish and Game (ADF&amp;G) as any fish or fish species that spends portions of its life cycle in both fresh and salt waters, entering fresh water from the sea to spawn, and includes the anadromous forms of pacific trout and salmon of the genus <i>Oncorhynchus</i> (rainbow and cutthroat trout and chinook, coho, sockeye, chum and pink salmon), Arctic char, Dolly Varden, sheefish, smelts, lamprey, whitefish, and sturgeon.</p> <p><sup>c</sup> Anadromous Waters Catalog (AWC) number is from ADF&amp;G <i>Catalog of Waters Important for the Spawning, Rearing or Migration of Anadromous Fishes</i> (2015) protected under AS 16.05.87; nominated waterbodies will be listed in the 2016 AWC.</p> <p><sup>d</sup> Fishery Concerns:</p> <ol style="list-style-type: none"> <li>1 Yield Concern: arising from a chronic inability, despite the use of specific management measures to maintain specific yields or harvestable surpluses (5 AAC 39.222(f)(42)).</li> <li>2 Management Concern: arising chronic inability, despite the use of specific management measures, to maintain escapements for a salmon stock within the bounds of the Sustainable Escapement Goal (SEG), Biological Escapement Goal (BEG), Optimal Escapement Goal (OEG), or other specified management objectives for the fishery (5 AAC 39.222(f)(21)).</li> <li>3 Spawning: preparation, deposition or fertilization of anadromous fish eggs.</li> <li>4 Rearing: developmental life phase of an anadromous fish species.</li> <li>5 Present: documented occurrence of anadromous fish.</li> <li>6 Subsistence fisheries</li> <li>7 Commercial fisheries</li> <li>8 Recreational (sport) fisheries</li> <li>9 Nationwide Rivers Inventory</li> <li>10 Critical Habitat for Cook Inlet Distinct Population Segment (DPS) of Beluga whales</li> <li>11 Essential Fish Habitat</li> </ol>						