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A LIST OF WATERBODIES ALONG THE ALASKAN GAS PIPELINE IDENTIFIED AS HAVING DATA GAPS AND JUSTIFICATION FOR PERFORMING OR NOT PERFORMING FURTHER FISHERIES INVESTIGATIONS AND A LIST OF THE PROPOSED MATERIAL SITES, ACCESS ROADS, COMPRESSOR STATIONS AND CAMPS THAT MAY IMPACT A WATERBODY

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Prepared for
Northwest Alaskan Pipeline Company

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Administered by

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INTRODUCTION

On 9 May 1980 LGL Ecological Research Associates, Inc. (LGL) was awarded a contract by Fluor Northwest, Inc. funded by Northwest Alaska Pipeline Company, to prepare Phase I of the 1980-81 Fisheries Field Program. The objective of Phase I is to design a detailed research plan for the period June 1980 to June 1981. During the design of a research plan for a large, dynamic project such as pipeline construction, it is essential to review all available project-related data, as it becomes available, and to analyze the current fisheries status for each waterbody crossed or potentially affected by pipeline construction activities. It must be emphasized that this review is an ongoing process of updating and adding to the baseline fisheries information.

To develop an efficient, cost-effective research plan, all pertinent information for each waterbody has been examined to determine if and where data gaps exist, and whether further investigations should be recommended. Where data gaps exist and no further studies are recommended, justifications for not performing additional investigations have been made.

The realignment of the proposed gasline and the consideration of potential fishery impacts by the proposed pipeline facilities have altered the Provisional Waterbody List (Chihuly *et al.* 1980). Additional waterbodies that may be affected by the proposed pipeline have been identified and added to the list; because of the realignment, other waterbodies are no longer affected and have been eliminated. Many of the new stream crossings require fisheries investigations in order to satisfy the requirement for baseline information. In addition, for a number of waterbodies, fishery documentation is insufficient to accurately assess fish use in the vicinity of pipeline crossings.

A total of 119 streams are recommended for further baseline studies. Of these, 95 are recommended for investigations during fall and/or spring since information is inadequate or lacking for the entire open-water period. Late summer or fall investigations are recommended for

24 streams. Spring fisheries information is available for these 24 streams but information for the remainder of the open-water period is insufficient to assess overall fish use.

Waterbodies for which data gaps exist have been categorized as follows:

1) Streams for which data gaps exist but for which no further baseline fisheries investigations are recommended.
2) Streams for which fisheries date are inadequate to asses fish use and baseline fisheries investigations are recommended.

Each waterbody category has been further broken down according to the justification for performing or not performing additional fisheries investigations (as determined by the type of data gaps).

Also included in this report is a list of the proposed material sites, access roads, compressor stations and camps that may impact a waterbody.

A total of 10 camps, one compressor station and 175 proposed material sites were found to potentially affect approximately 94 different waterbodies. Of the 175 proposed material sites, 52 are either existing material sites or planned expansions of existing material sites, and 44 have existing access roads. Fisheries data specific for individual proposed material sites are available for only 7 of the 175 proposed material sites in this list.

Information in this table includes (1) a description of the proposed material site or facility that may potentially affect a waterbody(s); (2) the waterbody(s) potentially affected; (3) the Environmental Master Guide sheet number; (4) an indication of whether a proposed material site is located at the site of an existing excavation site or an expansion of an existing material site (when available, the material site number was listed); (5) indication of the presenceof existing access road to the material site or facility; and (6) indication of available fisheries data for the proposed material site or facility that may affect a particular waterbody.

Additional information is required for proper evaluation and recommendations of fisheries investigations of waterbodies potentially affected by the aforementioned facilities.

Streams For Which Fisheries Data Are Inadequate To Assess Fish Use and Baseline Fisheries Investigations Are Recommended

Fisheries information for the following list of waterbodies is inconclusive or, in some cases, wholly lacking with respect to fish presence or use in the vicinity of the proposed crossing. Included in this list are new stream crossings on pipeline realignments and other streams not previously on the Provisional List of Waterbodies in the Summary Report (Chihuly, et.al. 1980). Therefore, site investigation for these waterbodiesis recommended.

Waterbody	NPSI	RX
Unnamed Creek	New	128-2
Unnamed Creek	New	128-2
Unnamed Creek	New	118-1
Unnamed Creek	New	111-3
Unnamed Creek	New	111-1
Unnamed Creek	New	110-3
Unnamed Creek	New	108-1
Daugherty Creek	New	103-1
Unnamed Tributory to Globe Creek	4-132.02	075-1
Trib. of Slate Creek	4-131.01	073-5
Slate Creek Trib. (at Ski Jump Hill)	4-130	073-3
Trib. of Wilber Creek	4-128.04	073-1
Shorty Creek	4-128.03	072-4
Trib. of Tolovana River	4-128.01	072-2
Unnamed Trib. to W. Fork Tolovana River	4-127.01	071-2
Unnamed Lake Outlet	4-124.01	069-2
Hess Creek Trib	4-123.05	068-5
Unnamed Creek	3-123	067-5
Unnamed Lake	3-122.04	067-3
Unnamed Creek	3-122.02	067-1
Unnamed Creek	3-122.01	066-4
Unnamed Creek	New	062-3
Unnamed Creek	New	062-2
Unnamed Creek	New	062-1
Unnamed Creek	New	061-3
Netsch's Creek Trib. #1	3-102	054-3
Netsch's Creek Trib. #2	3-101	054-2
Netsch's Creek Trib. #3	3-100.01	054-1
Unnamed Channel of Bonanza Creek	3-94.02	052-1
Oxbow Lake System	3-94.01	051-5
N. Fork Little Nasty	New	051-1
Inlet Gayling Lake	New	048-1

Waterbody	NPSI	RX
Unnamed Creek	3-78.01	045-5
Cathedral Mt. Creek	New	044-6
N. Marion Creek Overflow #1	3-62.04	042-5
N. Marion Creek Overflow #2	3-62.03	042-4
N. Marion Creek Overflow #3	3-62.02	042-3
Middle Fork Koyukuk River Anabranch	2-60.14	040-7
Cushing Creek	2-52.01	039-6
1415 Lake Inlet	2-46.01	038-1
Unnamed Creek (Disaster Creek Overflow)	2-43.07	037-5
Unnamed Creek	2-43.01	037-1
Wetfoot Creek	New	033-3
Leentha Creek	New	027-4
E. Fork Toolik River	1-19.01	023-1
Mary Lamb Creek	New	022-9
Thiele's Trickle	1-18.02	021-1
Unnamed Creek (Bussett Creek)	1-16.03	019-5
Woody Creek	New	015-3
Unnamed Pond		AS-010
Sagavanirktok Trib. Adjacent to Franklin Bluffs		AS-008
East Fork Sylvia Creek	New	007-4
Unnamed Creek	New	005-2
Unnamed Creek	1-3.02	005-1
Unnamed Creek	New	004-2
Unnamed Lake	1-3.01	004-1
Unnamed Pond	New	003-2
Unnamed Pond	New	003-1
Edge Lake #2	New	002-2
Edge Lake #1	New	002-1

The following waterbodies are recommended for open water investigations. Included are those streams that are believed to support fish use and provide fish habitat during the open water period but for which little or no fisheries documentation is available. Rerouting of the gasline has resulted in the crossing of previously documented fish streams in areas of potentially marginal fish habitat. These streams have also been included. In order to accurately assess the importance of these waterbodies to fish, field investigations during the open water period (fall and/or spring) are recommended. No fish use during winter is expected since streams of this size and nature tend to be dry or frozen to the bottom at that time.

Waterbody	NPSI	RX
Unnamed Creek	6-210.01	121-1
Unnamed Slough	4-158.02	089-2
Slate Creek	4-131	073-4
Lost Creek	4-127	071-1
Ericson Tributary	4-126	070-1
Isom Creek #2	3-121.01	066-2
Tributary to Isom Creek	3-121	066-1
Unnamed Creek	3-112	061-2
Unnamed Creek	3-110.01	060-1
Fed Creek	3-109	059-1
Smoky Creek	3-106.02	057-1
Unnamed Creek	3-106.01	056-2
Cross Roads Creek #1	3-82.03	046-5
Cross Roads Creek #2	3-82.02	046-4
Cross Roads Creek #3	3-82.01	046-3
Cross Roads Creek #4	3-82	046-2
Linda Creek	2-51	039-4
Wayback Creek	2-48.04	038-6
Trap Slough	2-43.06	037-4
Numbers Lake Creek	2-41.03	036-2
Roche Moutonee	2-24	028-1
Holden Creek	2-23.01	027-3
Tad Creek	2-22.04	027-2
Jill Creek Tributary	1-21.10	025-7
Ed Creek	1-21.09	025-6
Mack Creek	1-21.08	025-5
Moss Creek	1-21.06	025-3
Shifish Creek #1	1-18.04	022-2
Shifish Creek #2	1-18.03	022-1
Toolik River Tributary	1-5.49	013-1
Unnamed Creek	1-5.01	007-1

Late summer or fall fisheries investigations are recommended for the following streams. Fish use of these streams is documented for spring however, steep stream gradients, small stream size, and/or relatively small drainage areas may restrict the presence of suitable fish habitat to periods of high runoff following snow melt or heavy precipitation. It is unlikely that these streams would provide suitable fish habitat in winter since streams of this size and nature tend to be dry or frozen to the bottom in winter. The additional late summer-fall investigations would likely indicate the presence or absence of fish habitat during the winter period.

Waterbody	NPSI	RX
First Creek	3-72.05	044-4
Pence's Pond Creek	3-62.01	042-2
Sheep Creek	2-53	040-1
Gold Creek	2-52	039-5
N. Fork Sukukpak Creek	2-49.02	038-9
Unnamed Creek	2-49.01	038-8
Unnamed Creek	2-48.02	038-4
Airport Creek	2-45.01	037-7
Ugh Creek	2-41	031-1
Unnamed Creek (Buff Creek)	2-38	035-3
Unnamed Creek	2-36	035-1
Bear Track Creek	2-30.01	033-4

The following streams are not expected to provide fish habitat throughout the open water period and fish use is expected to be low to non-existent. However, documented information concerning fish habitat and/or fish use of these streams is limited or not available. Included in this group are those streams for which fish use has been documented in the past but for which a fish block downstream of the pipeline crossing appears to exist. Also included are those streams proposed to be crossed (upstream of the previous alignment) in potentially poor fish habitat. Hence, a field investigation during the open water period is recommended to determine fish access and/or habitat in the vicinity of the proposed crossing during the ice free months. These streams are not expected to provide winter habitat since fish habitat is expected to be marginal to non-existent during the open water season and would therefore probably be dry or frozen to the bottom in winter.

Waterbody	NPSI	RX
Silver Creek	6-217	125-1
Unnamed Creek	6-210.02	121-2
S. Fork Trib. to Minton Creek	5-161	092-1
Trib to S. Fork Minton Creek	5-161	091-6
Trib to Little Globe Creek	4-134.01	076-3
Little Globe Creek	4-134	076-2
Unnamed Trib. Little Globe Creek	4-133.01	076-1
Unnamed Trib.Tatalina River	4-132.01	074-2
Unnamed Creek	4-123.02	068-2
Avoided Lake Inlet	3-86.03	047-3
N. Fork Confederate Gulch Creek	2-60.15	041-1
Wolf Pup Creek	2-59	040-2
Steep Creek	2-39	035-4
Unnamed Creek	2-26	029-8
Unnamed Creek	2-25.03	029-7
Unnamed Creek	2-25.02	029-6
Unnamed Creek	2-25.01	029-5
Little Putuligayuk River	1-3	002-3

STREAMS FOR WHICH DATA GAPS EXIST BUT FOR WHICH NO FURTHER BASELINE FISHERIES INVESTIGATIONS ARE RECOMMENDED

Although certain seasonal data gaps presently exist for the following list of waterbodies, year round fish use may be inferred since sufficient documentation of fish use and/or habitat is available. One or more open water investigations have documented fish presence for these streams. In addition, each stream has been found to provide suitable habitat for fish use in winter as indicated by fish presence or observation and evaluation of the physical/chemical conditions in the waterbody. Based on this information, further investigation is not recommended for these streams.

Documentation available for spring, summer and fall fish use and winter habitat.

Waterbody	NPSI	RX
Crystal Slough Creek	6-203.03	114-1
Moose Creek #2	4-147	085-2
Dietrich River	2-43.05	037-3
Dietrich River	2-43.04	037-2
Lower Oksrukuyik Creek	1-18	020-1

Documentation available for spring, summer and winter fish use.

Waterbody	NPSI	RX
North Fork Ray River	3-110	060-1
South Fork Fish Creek	3-100	053-4
Abba-dabba Creek	3-86	047-1

Documentation available for summer, fall and winter fish use.

Waterbody	NPSI	RX
Drainage Material Site #106	2-36.01	035-2
Dietrich River Floodplain	2-32.06	034-9
Overwintering Creek	2-32.02	
West Fork of the North Fork Chandalar River	2-29	032-2

Documentation available for spring and winter fish use.

Waterbody	NPSI	RX
Moose Creek #3	4-146	085-1
Middle Fork Koyukuk River	2-60.19	041-5
Middle Fork Koyukuk River	2-60.13	040-6
Middle Fork Koyukuk River	2-49	038-7
Burgers' Bayou	2-36.02	035-2

Documentation available for fall and winter fish use.

Waterbody	NPSI	RX
Tanana River Side Channel	5-165.01	095-1
Dietrich River Floodplan	2-32.01	033-7

Although no site specific information is available for two crossings of the Dietrich River (listed below) substantial fisheries data exist for nearby regions within the river. This section of the river is known to support a variety of fish species throughout the open water season and provides early winter fish habitat as evidenced by previous project-sponsored field investigations and the on-going literature search (see Summary Report). Fish use of the Dietrich River in the vicinity of these crossings is adequately documented and no further studies are recommended.

Waterbody	NPSI	RX
Dietrich River	2-32.04	034-2
Dietrich River Floodplan	2-32.03	034-1

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Although specific seasonal data gaps exist for the following list of waterbodies, sufficient data are available to adequately assess fish presence and use. Documentation for one or more seasons indicates that fish habitat and use is confined to the open water period. These streams either go dry or freeze solid at the onset of winter and thereby preclude fish use at this time. Further investigations of these streams are not recommended.

Documentation available for spring fish use.

Waterbody	NPSI	RX
Unnamed Pond	6-227.01	
Lower Rosa Creek #1	5-164	093-2
Wilber Creek	4-129	073-2
Unnamed Creek (Woodchopper Creek)	3-118	063-1
West Fork Dall River (Middle Branch)	3-107	057-2
Unnamed Creek (Finger Mountain Creek)	3-106	056-1
Unnamed Creek (Caribou Mt. Creek)	3-104	055-1
Unnamed Creek (Pung's Crossing)	3-96	052-3
Inlet to Grayling Lake	3-86.04	047-2
Unnamed Creek	3-86.01	047-2
Unnamed Creek (Trent's Trickle)	3-78	045-4
Trib East Fork Spring Slough	3-72.04	044-3
Calf Creek	3-71	043-7
N. Fork Confusion Creek	3-61.01	041-7
Confederate Gulch Creek	2-60.16	041-2
Over Creek		040-4
Sylvia Creek	1-5.05	007-3
Sagavinirklok River Side Channel (Short Creek)	1-5.03	007-2

Documentation available for Spring and Summer fish use.

Waterbody	NPSI	RX
Little Gerstle River	5-174	103-2
W. Branch Keystone Creek	5-163	093-1
Million Dollar Creek		069-3
Erickson Creek #1	4-125	069-3
Erickson Creek #2	4-124	069-1
Unnamed Creek (Fort Hammlin Hills Creek)	3-111	061-1
W. Fork Dall River (South Branch)	3-108	057-3
Unnamed Creek (Olson's Lake Creek)	3-105	055-2
Kanuti River	3-103	054-4
Middle Fork Fish Creek	3-99	053-3
Grayling Lake Creek	3-86.02	
S. Fork Clara Creek Overflow	3-70.01	043-6
Clara Creek Overflow	3-70	043-5
Clara Creek	3-69	043-4
(Unnamed Creek (S. Fork Mary Angel Creek)	3-65	043-3
Marion Creek	3-63	043-6
Confusion Creek	3-61.02	041-8
Minnie Creek	3-61	041-6
Hammond River	2-55	040-8
Millies Meander	2-48.03	038-5
Snowden Creek	2-43	036-3
Beaver Dam Brook #1	2-34.05	034-10
Nutirwik Creek	2-34	034-4
Oskar's Eddy	2-31	033-6
Treavor Creek	2-25	029-4
Tyler Creek #2	2-24.02	029-2
Oksrukuyik Creek (Upper)	1-19	022-3
Unnamed Creek (Polygon Creek)	1-15	019-1
Unnamed Creek (Arthur Creek)	1-13	018-3
Sagavanirktok River Side Channel	1-12.05	018-2
Sagavanirktok River Side Channel	1-12.04	018-1
Unnamed Creek (Dan Creek)	1-12	016-3
Happy Valley Creek	1-11	016-2
Stout Creek	1-9	015-2
Unnamed Creek Spoiled Mary Creek	1-8	015-1

Documentation available for Spring and Fall fish use.

Waterbody	NPSI	RX
Tributary Spring Slough (Spring Slough #1)	3-72-03	044-2
Tributary Spring Slough (Spring Slough #2)	3-72-02	044-1
Tributary Spring Slough (Spring Slough #3)	3-72-01	043-9

Documentation available for Spring, Summer and Fall fish use.

Waterbody	NSPI	RX
Shocker Creek	4-138	079-3
Little Nasty Creek	3-92	051-2
Unnamed Creek (North Fork Windy Arm Creek)	3-79	051-2
Jackson's Slough Cross Channel	3-77.01	045-6
Jackson's Slough East Channel #1	3-7702	045-6
Jackson"s Slough East Channel #2	3-77	045-1
Union Gulch Creek #1	2-60.17	041-4
Union Gulch Creek #2	2-60.17	041-3
Richardson's Slough		040-5
Marsh Creek #1 (Rocky Creek #1)	2-49.06	039-2
Marsh Creek #2 (Rocky Creek #2)	2-40.05	039-1
Marsh Creek #3 (Rocky Creek #3)	2-49.04	038-11
Sukakpak Creek	2-49.04	038-10
Steitz Lake Outlet	2-45.04	037-10
Unnamed Creek (Poison Pipe Creek)	1-16	019-2
Unnamed Creek (Milke Creek)	1-10	016-1

Documentation available for Summer use.

Waterbody	NSPI	RX
French Creek #1	4-153	086-3
French Creek #2	4-152	086-2
French Creek #3	4-151	086-1
French Creek #4	4-150	085-6
French Creek #5	4-149	085-5

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Waterbody	NPSI	RX
Globe Creek	4-133	075-2
Hot Cat Creek	4-122.03	067-2
Isom Creek #1	3-121.02	066-3
Burbot Creek	3-119	064-1
Unnamed Creek (Alder Mountain Creek)	3-97	053-1
South Fork Little Nooty Creek	3-93	051-3
Slate Creek	3-72	043-8
Nugget Creek	2-60	040-3
South Branch Airport Creek	2-45.03	037-9
Middle Tributary Airport Creek	2-45.02	037-8
Disaster Creek	2-45	037-6
Unnamed Creek (Andy's Creek)	2-29.01	032-3
W. Fork of N. Fork Chandalar River Flood Plain	2-28	031-2
Tyler Creek #1	2-24.03	029-3
Tyler Creek #3	2-24.01	029-1
Jill Creek	1-21.11	025-8
Terry Creek	1-21.07	025-4
Becky Creek #1	1-21.03	024-4
Becky Creek #2	1-21.02	024-3
East Fork Kaparuk River	1-20.01	023-3
Toolik River	1-20	023-2
Unnamed Creek (Ruby Creek)	1-17	019-6
Unnamed Creek (Dennis Creek)	1-16.02	019-4
Unnamed Creek (Climb Creek)	1-16.01	019-3
Unnamed Creek (Gustafson Gulch)	1-14	018-4
Lori Creek	1-12.01	017-1

Documentation available for Summer and Fall fish use.

Waterbody	NPSI	RX
French Creek #0	4-155	086-3
Hess Creek	4-123A.04	063-4
Unnamed Creek (Phelps Creek)	3-117	062-4
Douglas Creek	3-89	049-1
Brockman Creek	2-46	037-11
Dietrich River Flood Plain	2-29.03	033-2
Dietrich River Flood Plain	2-29.02	033-1
Chandalar River Flood Plain	2-28	032-1
Atigun River Floodplain	2-27	031-1
Mainline Spring	2-23.02	027-5
Stump Creek	1-12.01	017-2

Documentation available for Fall fish use.

Waterbody	NSPI	RX
Desper Creek	6-226	130-1
Johnson River	5-175	104-1
Gerstle River	5-172	102-1
Goldstream Creek	4-141	081-1
Tolavana River	4-128	072-1
South Fork Windy Arm Creek	3-80	045-7
Eva's Alv	2-48.01	038-3
Putuligayak River	1-1	001-1

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Although site specific seasonal data gaps exist, present knowledge of the following waterbodies adequately delineates the fisheries habitat as unsuitable or non-existent during any time of year. These waterbodies are characterized by small drainage areas and/or intermittent flow confined to periods of high runoff. Therefore, further investigations of these waterbodies are not recommended.

Waterbody	NPSI	RX
Rosa Creek #1	5-162	093-10
Rosa Creek #2	5-162	093-9
Rosa Creek #3	5-162	093-8
Rosa Creek #4	5-162	093-7
Rosa Creek #5	5-162	093-6
Two-Nineteen Creek	4-157.01	088-4
Unnamed Tributory to Washington Creek	4-136.01	078-1
Valve Site Creek	2-49.07	039-3
Beaver Dam Brook #2	2-34.04	034-8
Beaver Dam Brook #3	2-34.03	034-7
Beaver Dam Brook #4	2-34.01	034-6
Beaver Dam Brook #5	2-34.01	034-5
Unnamed Creek	2-30.02	033-5
Yam Creek	1-21.04	025-1
Pump Station #1 Drainage	1-2	001-2

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A PROVISIONAL LIST OF MATERIAL SITES, ACCESS ROADS, COMPRESSOR STATIONS AND CAMPS ALONG THE NWA GAS PIPELINE ROUTE THAT POTENTIALLY AFFECT A WATERBODY

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-1-1	Channel of Delta of Putuligayuk R.	001			
EMS-1-2	Putuligayuk R.	001	X	X	
EMS-1-3	Putuligayuk R.	001	X	X	
EMS-1-4	Putuligayuk R.	001	X	X	
EMS-2-1	Sagavanirktok R.	OFF			
EMS-3-1	Sagavanirktok R.	OFF		X	
EMS-4-1	Sagavanirktok R.	OFF			
EMS-4-2	Sagavanirktok R.	004			
EMS-4-3A	Sagavanirktok R.	004	X	X	
EMS-4-3B	Sagavanirktok R.	004			
EMS-5-1	Sagavanirktok R.	005		X	
EMS-5-2	Sagavanirktok R.	005			
EMS-5-3 A & B	Sagavanirktok R.	005			
EMS-6-1	Sagavanirktok R.	OFF			
EMS-6-2	Sagavanirktok R.	006-007			
EMS-7-1	Sagavanirktok R.	007			
EMS-8-1 A & B	Sagavanirktok R.	008			
EMS-8-2	Sagavanirktok R.	008			
Franklin Bluffs Camp	Sagavanirktok R.	008			
EMS-8-3	Sagavanirktok R.	008			
EMS-9-0	Sagavanirktok R.	009		X	
EMS-9-1	Sagavanirktok R.	009		X	X

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-10-1 A & B	Sagavanirktok R.	010			
EMS-10-2	Sagavanirktok R.	010		X	
EMS-10-3	Sagavanirktok R.	010			
EMS-11-1	Sagavanirktok R.	011		X	X
EMS-11-2	Sagavanirktok R.	011			
EMS-12-1	Sagavanirktok R.	012			
EMS-14-1	Sagavanirktok R.	014			
EMS-14-2	Sagavanirktok R.	014			
EMS-14-3	Sagavanirktok R.	014			X
EMS-15-2	Sagavanirktok R.	015			
EMS-16-1	Sagavanirktok R.	016			
Happy Valley Camp	Sagavanirktok R. and Happy Valley Camp Creek	016			
EMS-16-2	Sagavanirktok R.	016			
EMS-16-3	Sagavanirktok R.	016			
EMS-17-2	Sagavanirktok R.	017			
EMS-17-3	Sagavanirktok R.	017			
EMS-18-1	Sagavanirktok R.	018			
EMS-18-1.1	Sagavanirktok R.	018			
EMS-19-1	Sagavanirktok R.	019			
EMS-19-1.1 A & B	Sagavanirktok R.	019			
EMS-19-2 A & B	Sagavanirktok R.	019	X		

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DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-21-1	Sagavanirktok R.	021			
EMS-21-2	Sagavanirktok R.	021	119-3	X	
EMS-23-1	Sagavanirktok R. and East Fork Toolik River	OFF			
EMS-24-1 A & B	Inlet Series to Toolik Lake	OFF			X
EMS-25-1	Mack Creek and Ed Creek	025	X	X	X
EMS-25-2	Jill Creek	025			
EMS-26-1	Tributary to Galbraith Lake Inlet	OFF	X		
Galbraith Camp	Unnamed Creek	OFF		X	
EMS-27-1	Atigun R.	027			
EMS-27-2	Vanish and Holden Creeks	027	X	X	X
EMS-28-1 A & B	Roche Moutonee Creek	028			
EMS-28-3	Tributary to Atigun River	028	X		
EMS-28-4	Tributary to Atigun River	028	X		
EMS-29-1	Atigun River and Trevor Creek	029	112-2		

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-29-2	Atigun River	029			
EMS-29-3	Unnamed Creeks	029	111-4	X	
EMS-30-1	Unnamed Creek and Atigun River	030	111-2 B	X	
EMS-30-2	Atigun River	030			
EMS-30-3	Atigun River	030	111-2	X	
Atigun Camp	Atigun River	030		X	
EMS-30-4	Spike Camp and Sten Creeks	030			
EMS-31-1	Unnamed Creek	031	110-2		
EMS-31-2	W. Branch of N. Fork of Chandalar River	031	110-1	X	
EMS-31-3	Unnamed Creek	031			
EMS-32-1	Unnamed Creek	032	109-4	X	
Chandalar Camp	Chandalar River and Unnamed Creek	032		X	
EMS-32-2	Chandalar River	032	X	X	
CS #5	Chandalar River	032			
EMS-32-3	Chandalar River	032			
EMS-33-1	Unnamed Creek (Wet Foot Creek)	033	108	X	
EMS-33-2	Dietrich River	033			
EMS-33-3	Dietrich River and Unnamed River	033			
EMS-34-0	Dietrich River	034			

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-34-1	Dietrich River and Unnamed Creek	034			
EMS-34-2 A, B, C & D	Dietrich River	034			
EMS-34-3 A	Nutirwik Creek	034			
EMS-34-3 B	Dietrich River	034			
EMS-34-4 A & B	Dietrich River	034			
EMS-35-1	Dietrich River	035			
EMS-35-2 A & B	Dietrich River	035	106-2	X	
EMS-35-2-1	Dietrich River	035.			
EMS-35-4	Dietrich River and Steep Creek	035	106-1	X	
EMS-36-1	Dietrich River	036			
EMS-36-2	Dietrich River	036			
EMS-36-3	Dietrich River and Ugh Creek	036			
EMS-36-4	Dietrich River	036			
EMS-36-5	Dietrich River	036		X	
EMS-37-2	Dietrich River	037			
Dietrich Camp	Dietrich River	037			
EMS-37-3 A & B	Dietrich River	037	104-3		X
EMS-38-2	Middle Fork Koyukuk River	038			

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-38-3 A	Unnamed Creek	038			
EMS-38-3 B	Middle Fork Koyukuk River	038		X	
EMS-38-4	Middle Fork Koyukuk River	038			
EMS-39-1	Middle Fork Koyukuk River	039			
EMS-39-3	Gold Creek	039	102-1		
EMS-39-4	Sheep Creek	039			
EMS-40-2 B	Over Creek	040			
EMS-41-1	Hammond Creek	041			
EMS-41-2 A & B	Middle Fork Koyukuk River	041	100-2	X	
EMS-41-3-1	Middle Fork Koyukuk River	041	100-2		
EMS-41-4	Unnamed Creek	041	100-2.1	X	
EMS-41-5	Middle Fork Koyukuk River	041			
EMS-42-26	Middle Fork Koyukuk River	042			
EMS-43-1	Unnamed Creek	043	98-3.1		
EMS-43-2	Middle Fork Koyukuk River	043			

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-43-3	Middle Fork Koyukuk River	043	98-4	X	
Coldfoot Camp	Middle Fork Koyukuk River State Creek	043			
EMS-44-1	Middle Fork Koyukuk River	044	98-1		
EMS-44-2	Middle Fork Koyukuk River	044	98.01		
EMS-44-4	Middle Fork Koyukuk River	044			
EMS-44-5	Rosie Creek	044			
EMS-45-1	Middle Fork Koyukuk River	045	97-1		
EMS-45-2 A	Unnamed Lake & Creek	045			
EMS-45-2 B	Unnamed Pond	045	96-3		
EMS-45-2.3	Unnamed Creek	045			
EMS-45-3	Chapman Creek	045			
EMS-46-1	Unnamed Creek	046			
EMS-46-2 A	Unnamed Creek	046			
EMS-46-3 B	Unnamed Creek	046			
EMS-47-2	Unnamed Creek	047			
EMS-48-0	Unnamed Pond and Grayling Creek	048	93-3		

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-48-2 B	Jim River	048			
EMS-48-4	Jim River	048		X	
EMS-49-1	Jim River	049			
EMS-48-2	Unnamed Tributary to Jim River	049			
EMS-49-3	Jim River	049	91-4		
EMS-50-1 B	Jim River	049	91-2		
EMS-50-2	Prospect Creek	050			
EMS-51-4	North Fork Bonanza Creek	051	89-3	X	
AMS/EMS-53-1.1	Unnamed Tributary to Fish Creek	053		X	
AMS/EMS-53-1.2	Unnamed Tributary to Fish Creek	053		X	
EMS-54-1 B	Netsch's Creek Tributary	054			
EMS-55-2 A	Unnamed Creek	055		X	
EMS-56-1	Unnamed Creek	056	85-1		
EMS-59-2	Fed Creek	059	82-1		
EMS-60-1	North Fork Ray River	060			
EMS-60-2	Unnamed Creek	060	84-4		

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-63-2	Unnamed Creek	063	79-1		
Five Mile Camp	Unnamed Creek	063			
EMS-64-0 A & B	Ray & Yukon Rivers	064			
EMS-64-1	Yukon River	064			
EMS-68-4	Hess Creek	068	73-1		
EMS-71-0 A & B	Lost Creek	071			
EMS-71-3	Unnamed Creek	071	70-1		
EMS-71-4	West Fork Tolovana River	071	70-0-1	X	
Livengood Camp	West Fork Tolovana River	071			
EMS-72-1	West Fork Tolovana River & Tolovana River	072		X	
EMS-72-2	Tributary to Tolovana River	072			
EMS-76-1 A	Little Globe Creek	076		X	
EMS-76-1 B	Tributary to Little Globe Creek	076			
EMS-78-1	Cushman Creek	078		X	
EMS-79-1	Chatanika River	079		X	

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-81-1 A	Goldstream Creek	081			
EMS-81-1 D	Goldstream Creek	081			
EMS-83-1 C	Unnamed Slough	083			
EMS-85-1 A-C	Moose Creek	085			
EMS-85-2 A-D	Moose Creek	085			
EMS-86-1 C	French Creek	086			
EMS-86-2 A-C	French Creek	086			
EMS-86-3 A & B	French Creek	086			
EMS-91-1 A	Small Creek	091			
EMS-94-1	Tanana River	094	X	X	
EMS-94-2	Tanana River	094		X	
EMS-95-1 A & B	Tanana River	095		X	
EMS-96-0 A & B	Delta River	096			
Delta Camp	Tanana River	096			
EMS-97-2	Delta River	097	X		
EMS-6P-1 A & B	Gerstle River	102			
EMS-6P-3 B	Tanana River	103			
EMS-7P-1	Tanana River	104			
EMS-8P-1	Johnson River	104		X	
EMS-13P-1 A	Unnamed Lake	110			
EMS-13P-1 B	Robertson River	110			

DESCRIPTION	WATERBODY	EMGS	PREVIOUS MS	EXISTING ACCESS	FISHERIES DATA AVAILABLE
EMS-14P-2	Unnamed Creek	111			
EMS-15P-2	Unnamed Creek	112			
EMS-16P-2 B	Unnamed Creek	114			
EMS-23P-2	Unnamed Tributary to Midway Lake	120	X		

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