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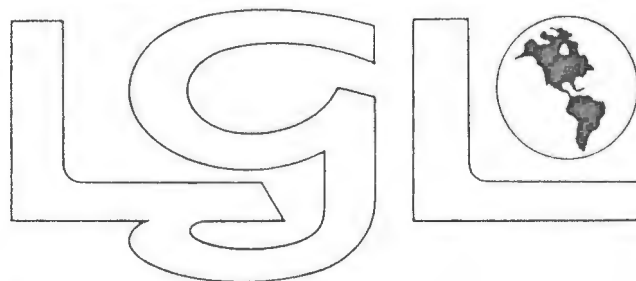


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FISHERIES RESOURCES ALONG THE
ALASKAN GAS PIPELINE ROUTE
(PRUDHOE BAY TO THE YUKON
TERRITORY) PROPOSED BY NORTHWEST
ALASKAN PIPELINE COMPANY

Peter Craig, Principal Investigator
June 1980

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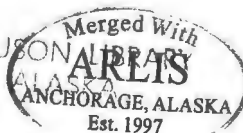


Ecological Research Associates

SUMMARY REPORT VOLUME 1 of 2

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PROPOSED BY THE NORTHWEST ALASKAN PIPELINE COMPANY

Prepared for and Funded by
Northwest Alaskan Pipeline Company

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ABSTRACT

The natural gas pipeline proposed by Northwest Alaskan Pipeline Company traverses hundreds of waterbodies in the Yukon River and Beaufort Sea drainages. This report is a comprehensive summary of all available fish use information including reports, unpublished documents, agency memoranda and personal communications for each water course involved and is designed to facilitate information access and retrieval for fishery resources documented along the proposed gas pipeline route. This report presents: (1) a tabular summary of fish use and recommended timing for pipeline construction activities at individual crossings; (2) a provisional list of 492 waterbodies crossed or potentially affected by the gas pipeline with an updated evaluation of seasonal fisheries data for each; and (3) a concise assessment of all pertinent fisheries data for each waterbody summarized on a seasonal and year-round basis.

PART I

HISTORICAL BACKGROUND AND BIOLOGICAL CONSIDERATIONS

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INTRODUCTION

Northwest Alaskan Pipeline Company proposes to construct the Alaskan segment of a buried pipeline which would transport chilled natural gas from the arctic to southern markets. The proposed routing of the Northwest Alaskan Pipeline parallels the Alyeska Oil Pipeline from Prudhoe Bay to Delta Junction with some minor variances, and then follows the Haines-Fairbanks Products pipeline right-of-way east from Delta Junction to the Alaska/Yukon border.

On January 4, 1979, LGL Ecological Research Associates (LGL) was awarded a contract by and through Fluor Northwest, Inc. funded by Northwest Alaskan Pipeline Company, to identify the waterbodies crossed or potentially affected by the gas pipeline project and to assess and summarize the fish utilization of these waterbodies on the basis of all historical data and the results of 1979 seasonal investigations. The results of 1979 field investigations are published in separate seasonal reports. Information was assimilated from a variety of sources including published government and consultant reports and file data from the Joint Fish & Wildlife Advisory Team (JFWAT) in Anchorage. Agencies consulted included: State Pipeline Coordinator's Office, Alaska Department of Fish and Game (Habitat and Sport Divisions) and U.S. Fish and Wildlife (Stream Alteration Division).

STUDY AREA

The study area addressed in this report extends along the proposed gas pipeline route from Prudhoe Bay south to Fairbanks and then east to the Alaska/Yukon border (Figs. 1 and 2). For descriptive purposes, the route has been separated into two distinct regions: the northern segment and the southern segment.

The northern segment is aligned closely with the Trans-Alaska Pipeline System (TAPS) oil line and work pad and extends from Prudhoe Bay to Delta Junction. Between Prudhoe Bay and Atigun Pass, a distance of approximately 275 km, the proposed route crosses the arctic coastal plain, traverses the northern foothills of the Brooks Range and crests Atigun Pass--the highest point in the Alaska routing. Within this area, the proposed gas pipeline alignment parallels most of the Sagavanirktok River and crosses numerous side channels. Larger streams like the Sagavanirktok characteristically are fast-flowing, clear and have wide, extensively braided, gravel floodplains. They support resident and anadromous fish at different times of year and are often used for overwintering. Smaller streams along this section are usually narrow, single channel drainages with stained water and support fewer species of fish than larger streams. These drainages usually freeze to the bottom in winter. Surrounding vegetative types include willow, dwarf birch and tundra flora.

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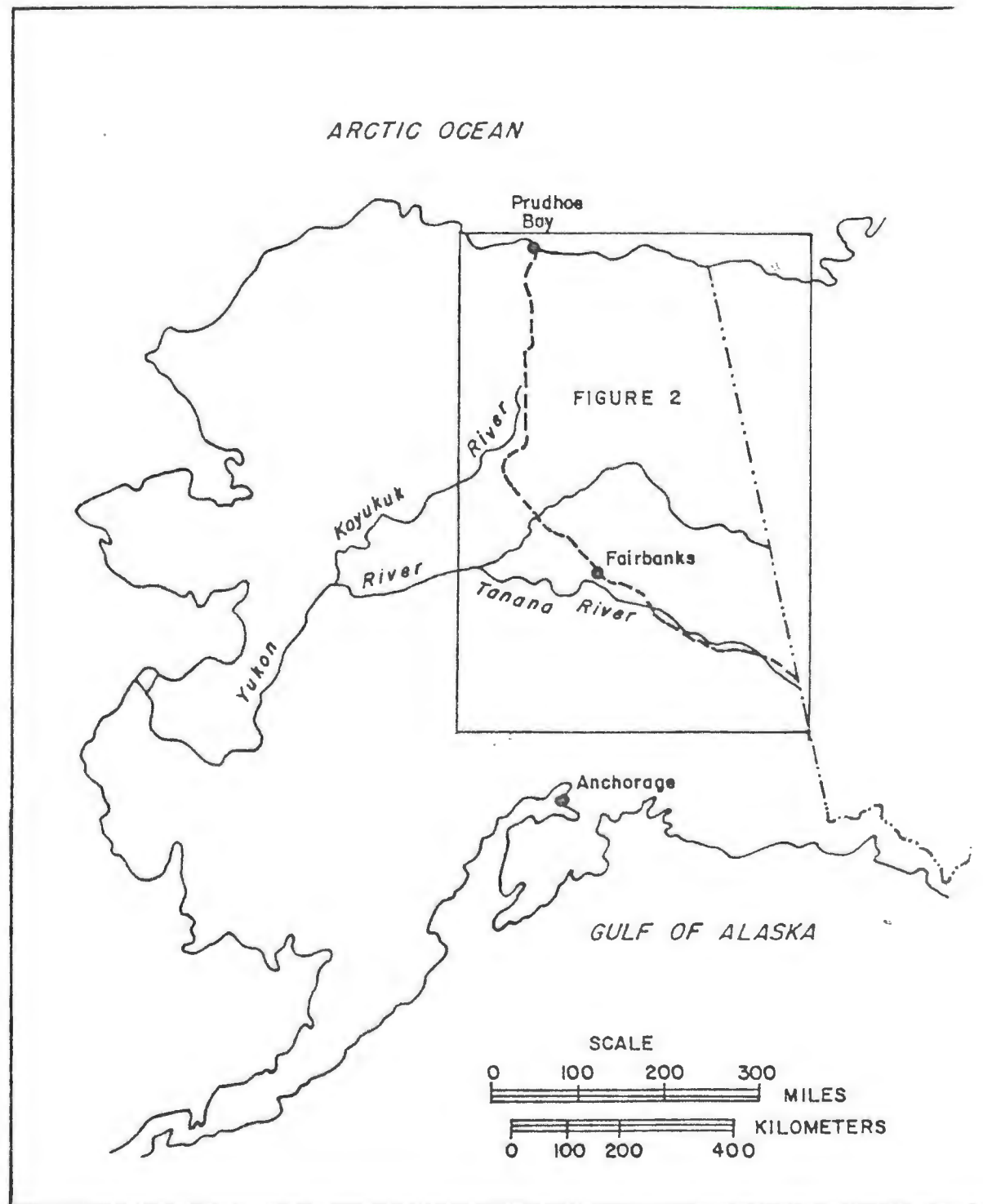


Fig. 1. Location of the proposed Northwest Alaskan Gas Pipeline in Alaska

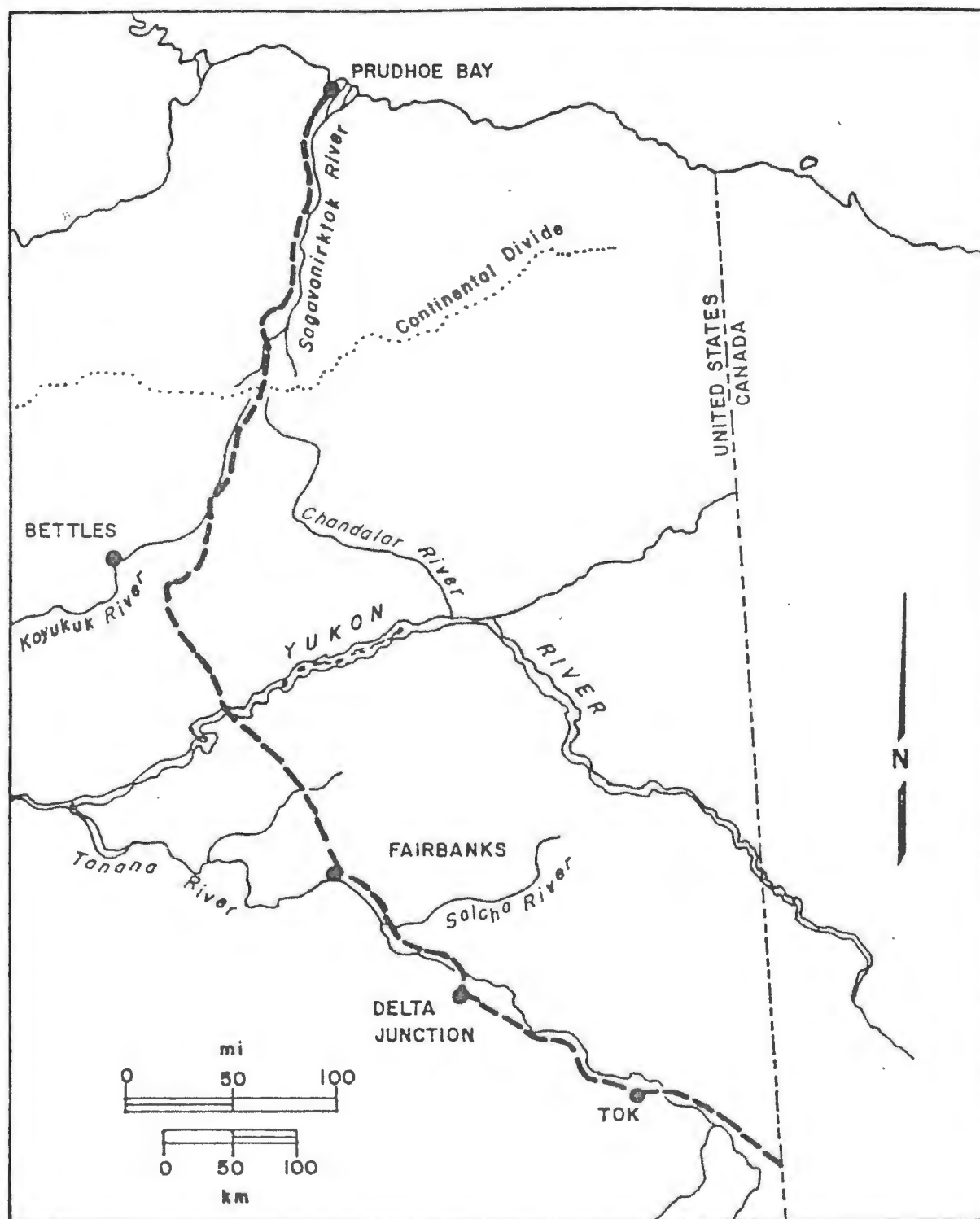


Fig. 2. Route of the proposed Northwest Alaskan Gas Pipeline from Prudhoe Bay to the Alaska/Yukon border.

South of Atigun Pass, the route continues through the Brooks Range where it crosses the Dietrich and Upper Koyukuk drainages. Most streams within the first 130 km south of Atigun Pass are wide, braided and fast-flowing throughout the summer. Floodplains are gravel and usually without meanders. Vegetative cover in this region changes from white spruce, lichens and dwarf willows in mountainous areas, to black spruce and birch, intermixed with tundra and muskeg in lower elevations.

Approximately 130 km south of Atigun Pass, the proposed gas pipeline route enters the Yukon drainage where most streams exhibit a high degree of meandering. Although some of the larger streams are clear, most are stained brown with tannins and lignins leached from muskeg areas. Many of the larger streams, like the Koyukuk and Jim River, support overwintering fish and provide habitat for fall spawning salmon. Although most small streams do not provide overwintering habitat, they are used by juvenile and young-of-the-year fish during summer. Dwarf spruce and willow are predominant in tundra areas, while large spruce and birch vegetate river bottoms.

From the Yukon River crossing, the proposed gas pipeline parallels the TAPS oil line through the White Mountains and into the Fairbanks area. Here the northern segment routing continues southeast within the Tanana River Valley to Big Delta.

The southern segment of the study area begins near Delta Junction where the proposed gas pipeline route diverges from the Trans-Alaska Oil Pipeline. The proposed gas line continues southeast from Delta Junction, and parallels the Haines Products pipeline to the Yukon border. Throughout most of the 313 km between Delta and the Yukon border, the route is within the broad, flat Tanana River Valley or in the northern foothills of the Alaska Range. This routing passes through alternating tundra or muskeg and mature stands of spruce, birch and willow.

Within the first 100 km east of Delta Junction, the proposed pipeline route crosses four major rivers: Little Gerstle, Gerstle, Johnson and Robertson rivers. These are glacial rivers that are highly turbid and have extensively braided floodplains. Most other drainages crossed in this area are small tundra streams which are used by fish during summer but often freeze solid during winter.

The current alignment leaves the foothills of the northern Alaska Range near Tok, Alaska, and borders the Tetlin Flats. This is a wet muskeg area characterized by an abundance of lakes, ponds and small streams. During ice-free months, many lakes and most small streams are used by waterfowl and fish. During winter, the smaller waterbodies freeze solid and do not provide overwintering habitat. Larger streams on the southern section, like the Tanana and Chisana rivers, become clear in early winter and provide overwintering habitat. From Tetlin Flats, the proposed gas pipeline alignment continues east through the

Upper Tanana River drainage basin to the eastern boundary of the study area--the Alaska/Yukon border.

PATTERNS OF FISH MOVEMENTS AND STREAM USAGE

After breakup has occurred, fish are normally found in three general types of streams along the proposed pipeline route: (1) small beaded tundra streams, (2) large-size creeks and (3) large rivers. The small beaded tundra stream (e.g., Shocker Creek and S.F. Minton Creek) is usually frozen solid during winter and breaks up between late March and early June. These streams vary from 0.5-1.5 m in width and seldom exceed 1 m in depth. Substrates are variable but contain gravel, sand, silt and detritus. Although the water is usually clear, it is frequently stained from tannins and lignins leached from surrounding vegetation. Stream banks are often 0.5-1.5 m in height, undercut and vegetated with dwarf willow and birch.

Within the proposed gasline corridor, small beaded tundra streams like Shocker Creek are used primarily by grayling, but round whitefish and/or char may occasionally be present depending on geographical location of the stream. Adult grayling may move into these streams at spring breakup, spawn and then move some distance back downstream. During the egg incubation period (early May to early July) juvenile grayling, juvenile whitefish and/or juvenile char may also move upstream into these areas. After the grayling eggs have hatched in late June to early July, emergent fry remain in the general vicinity until freeze-up. As fall approaches and water temperature drops, all fish begin moving downstream to overwintering areas. Small beaded tundra streams generally do not provide spawning habitat for fall spawning species.

The large creeks or small rivers (e.g., Prospect Creek, Moose Creek or Beaver Creek) are usually 5-10 m in width, with stained or clear water and a substrate consisting primarily of gravel and sand. Banks, 0-2 m in height, are seldom incised. These drainages typically exhibit alternating stretches of deep, slow-moving water and shallow, rapid riffles. Some pools, especially in lower reaches, may be deep enough to provide overwintering habitat.

Within the proposed gasline corridor, medium-sized streams receive more intense use by fish than small beaded tundra streams. Excluding overwintering, these drainages generally serve as major spring and fall migration routes for many species. Some, especially those with perennial spring sources, may be used for spawning by spring and fall spawning species. Young-of-the-year of fall spawning species (primarily whitefish, char) and eggs of spring spawning species (primarily grayling, northern pike, longnose sucker and slimy sculpin) may be present during spring. By late June or early July, fry of spring spawners have emerged and may remain in the vicinity until freeze-up. Many streams are used intensively as nursery areas throughout the open-water season by juvenile grayling, whitefish, sculpin, pike, chub, char and others. Adult fish

of several species are commonly present throughout the season. Some of the most northerly medium-sized streams may also support an anadromous fish run during the open water season. As fall approaches, fish generally begin moving downstream to overwintering areas.

Large rivers similar to the Tanana, Yukon, Koyukuk and others vary from 100-1000 m in width and 1-10 m in depth. Floodplains are usually braided and consist of gravel, sand, and silt, depending on river origin. Large rivers usually do not freeze solid and so they provide year-round habitat for fish.

Large rivers are the primary migration pathways for all species of anadromous fish. During spring, many juvenile salmon migrate downstream to enter the ocean; others may remain in freshwater for one or two years, depending on the species. A variety of freshwater fish also use large rivers as migration routes, spawning sites and nursery areas year-round. Virtually all large rivers provide overwintering habitat for fish.

LIFE HISTORY OF FISH SPECIES

The following are brief accounts of the life histories of fish species found along the proposed pipeline route and constructed from general accounts of life histories found in References 116 and 117 and the professional knowledge of fisheries biologists in this region. The accounts are not exhaustive and they do not dwell on studies that have been performed in far-removed areas. We have rather attempted to compile and interpret results of studies that have been performed on waterbodies in the vicinity of the proposed pipeline corridor. In many cases, no such research has been performed and we have provided a more general account for the species.

Catostomus catostomus - Longnose Sucker

Longnose sucker are abundant in most of the lakes, rivers and streams along the entire pipeline corridor (Fig. 3). However, little information concerning their biology is available. Mature longnose suckers migrate into tributary streams shortly after breakup and begin spawning in late spring and early summer. In the Donnelly River, a tributary of the Mackenzie River, upstream migrations of longnose sucker have been noted to begin in late May, and spawning has been reported to begin in early June (Ref. 109). After spawning, adults immediately move out of tributary spawning streams and move to rearing or overwintering areas. Eggs hatch in 1-2 weeks and the young remain in the gravel for an additional 1-2 weeks. Upon emerging, the fry migrate downstream and eventually enter overwintering areas.

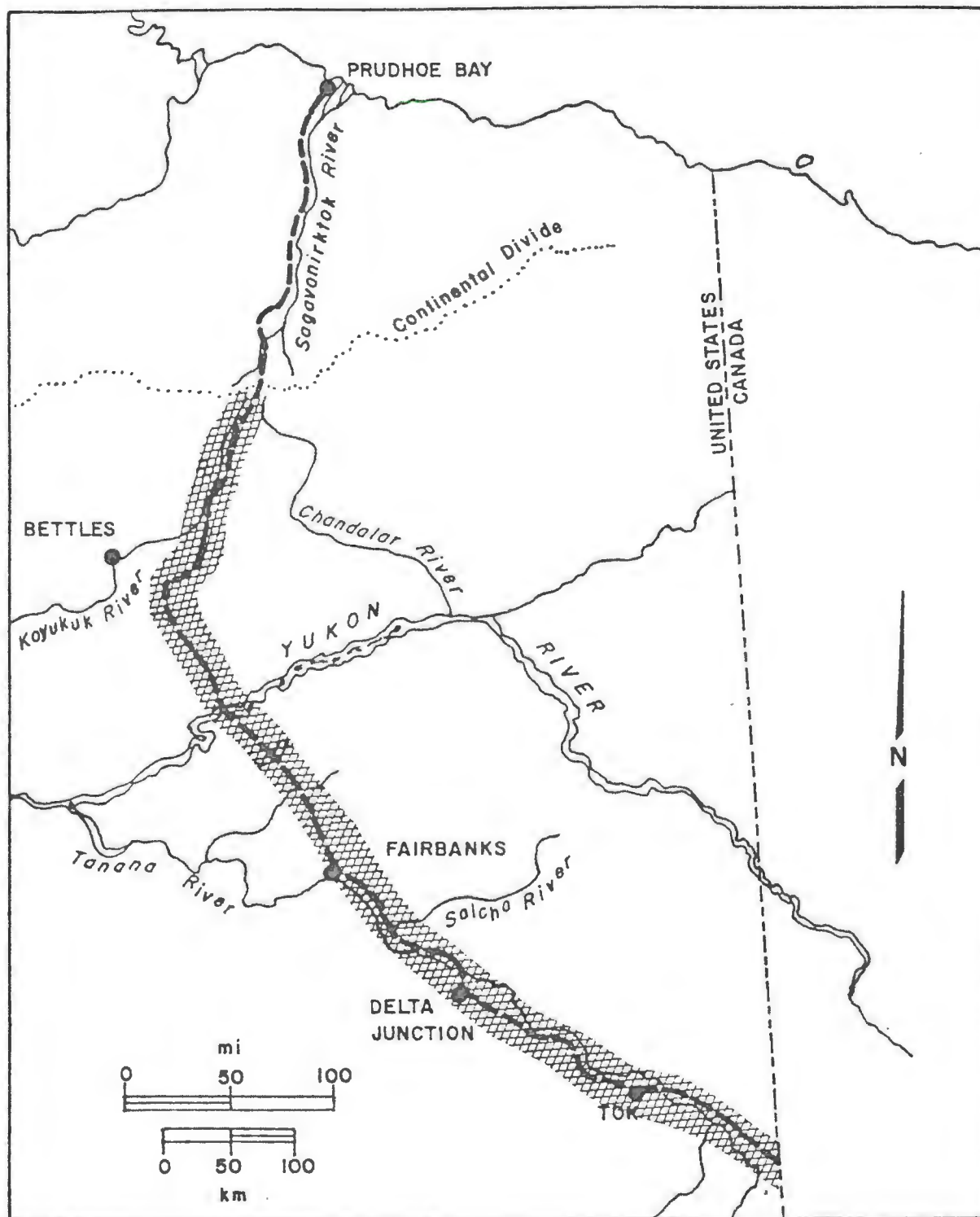


Fig. 3. Known distribution of the longnose sucker in waterbodies in the vicinity of the proposed gasline corridor.

Coregonus autumnalis - Arctic Cisco

In Alaska, Arctic cisco are found only north of the Brooks Range and along the pipeline corridor they are confined to the Sagavanirktok River drainage (Fig. 4). This species is anadromous and initiates its pre-spawning upriver migrations in spring. These migrations continue through summer and spawning occurs in late summer and early fall. Downstream migrations to the Beaufort Sea or estuarine waters occur immediately after spawning. Although not well documented, eggs presumably hatch in spring and the young descend downriver to estuaries.

Coregonus nasus - Broad Whitefish

Broad whitefish are distributed throughout major rivers and streams along the proposed pipeline route from Prudhoe Bay to the Canadian border (Fig. 5). Both anadromous and non-anadromous forms are present. The former is found most commonly in coastal drainages while the latter is most often confined to inland rivers and streams. Pre-spawning upriver migrations of adults occur from late summer to early fall, and spawning generally occurs from October to December. Post-spawning migrations of adults to overwintering areas immediately follows spawning. Fry hatch sometime in the spring and those of the anadromous variety immediately begin their downstream migration to the sea.

Coregonus pidschian - Humpback Whitefish

Humpback whitefish are present in many of the larger rivers and streams along the pipeline corridor (Fig. 6). Pre-spawning upriver migrations of the anadromous forms occur in late summer. Spawning begins in early fall and may continue into November or December. In the Chatanika River spawning has been noted to start as early as 19 September (Ref. 115) and peak activity has been reported to take place the last week in September (Ref. 100). When spawning is complete, migrations downriver to overwintering areas occur. Eggs hatch in late winter and early spring, at which time the young begin a slow migration downriver to eventual overwintering areas.

Prosopium cylindraceum - Round Whitefish

Round whitefish are one of the most abundant whitefish in Alaska and are found in many of the streams and rivers along the entire gasline corridor (Fig. 7). Upstream migrations of pre-spawning adults normally takes place in early summer but has been reported to occur as early as late April and early May in the Goodpasture River south of Fairbanks (Ref. 115). Spawning takes place in shallow, gravelly areas during late summer and fall, after which an immediate post-spawning downstream migration to overwintering areas occurs. Peak downstream migrations in the Lupine River have been observed to take place within the first week of September (Ref. 101). Eggs hatch the following spring and the young remain in shallow water areas until summer, when they begin a downstream migration to overwintering areas.

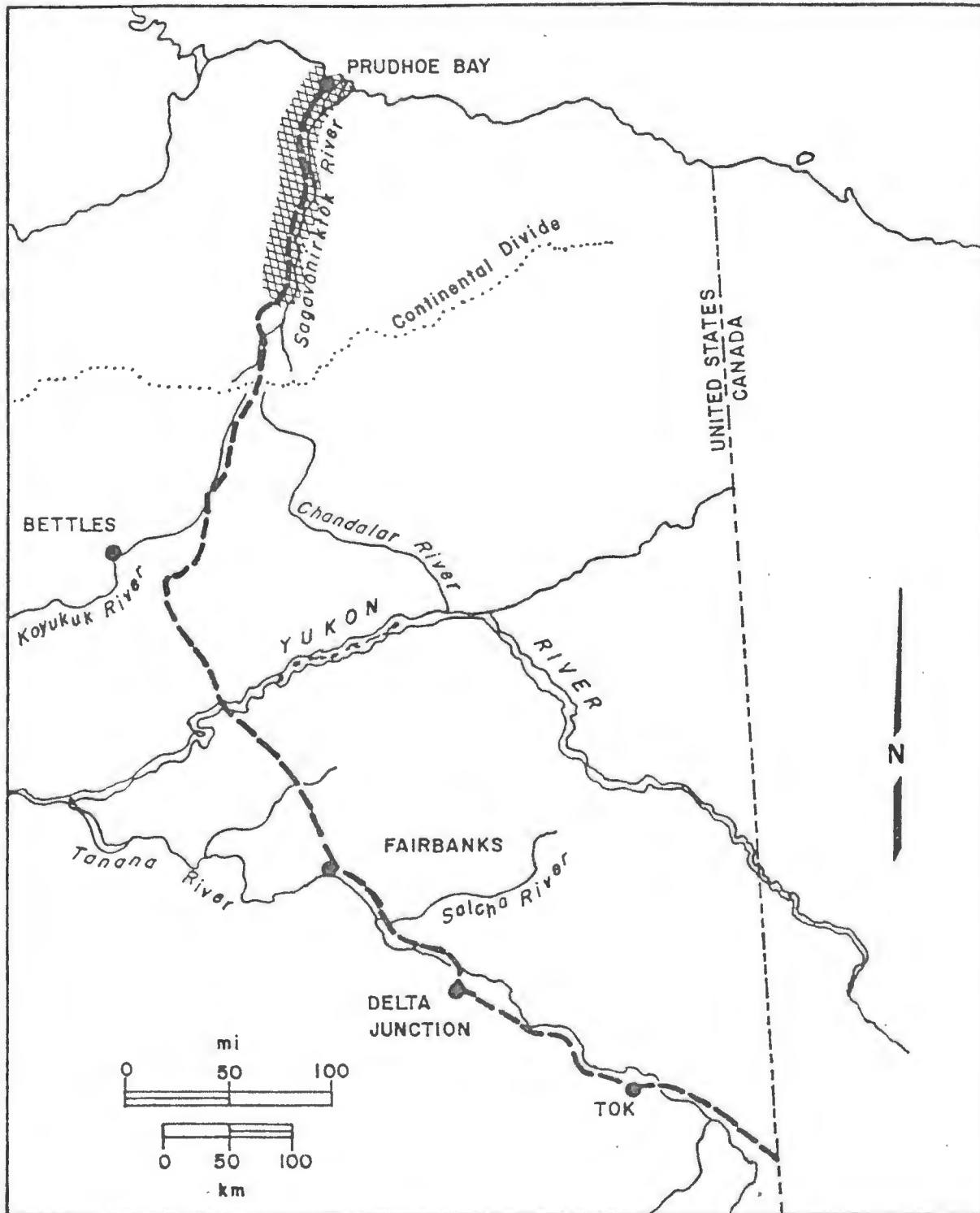


Fig. 4. Known distribution of the Arctic cisco in waterbodies in the vicinity of the proposed gasline corridor.

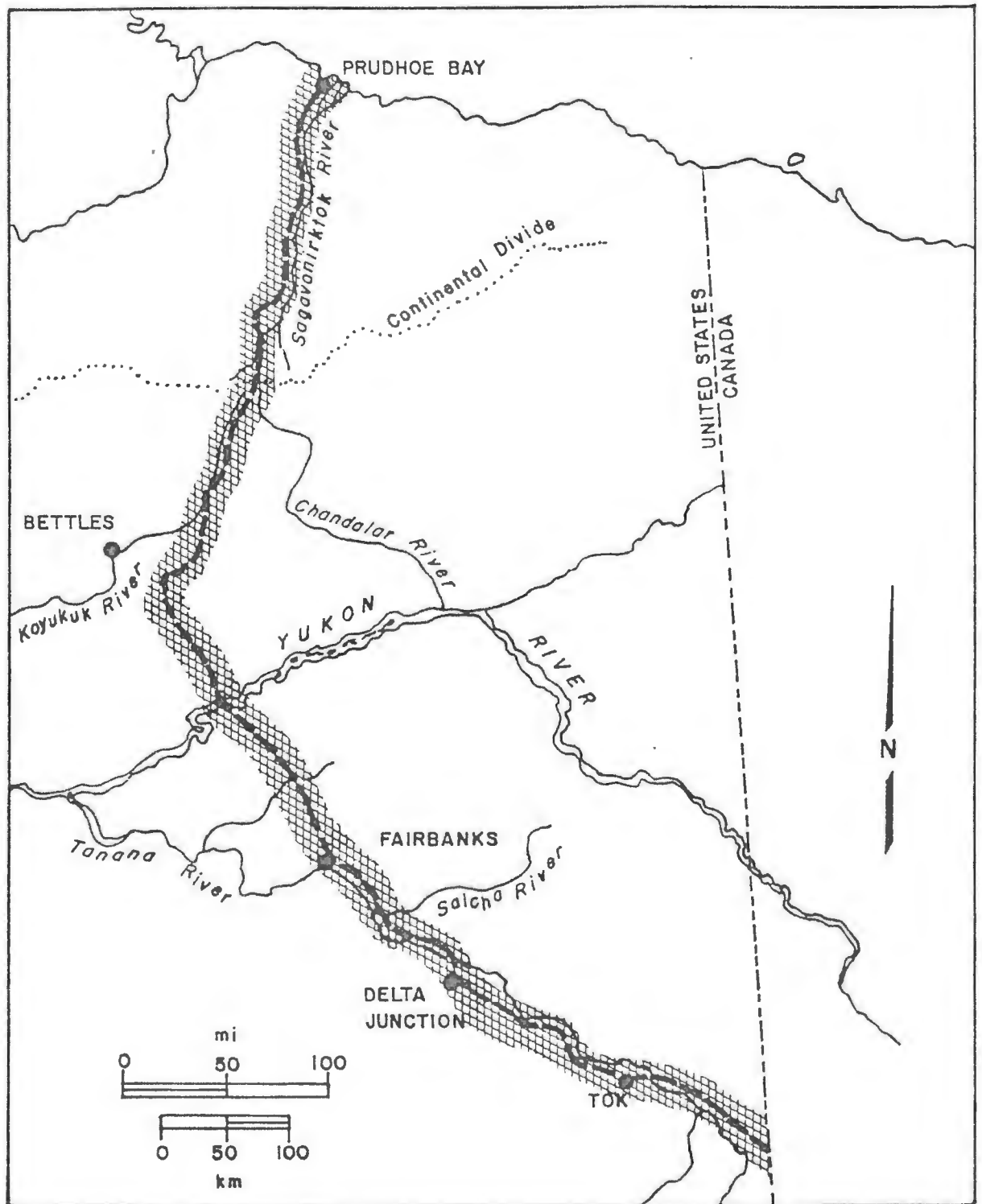


Fig. 5. Known distribution of the broad whitefish in waterbodies in the vicinity of the proposed gasline corridor.

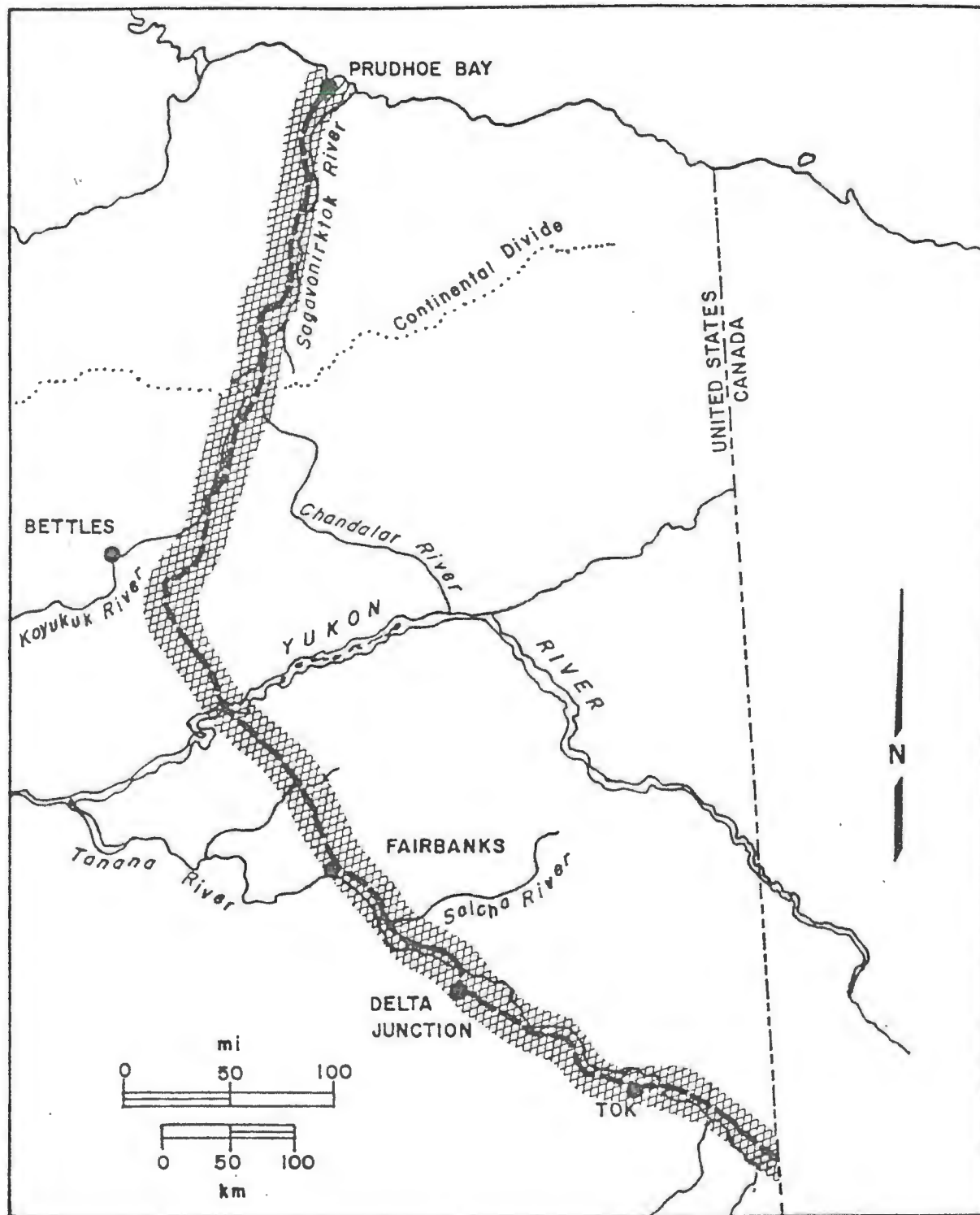


Fig. 6. Known distribution of the humpback whitefish in waterbodies in the vicinity of the proposed gasline corridor.

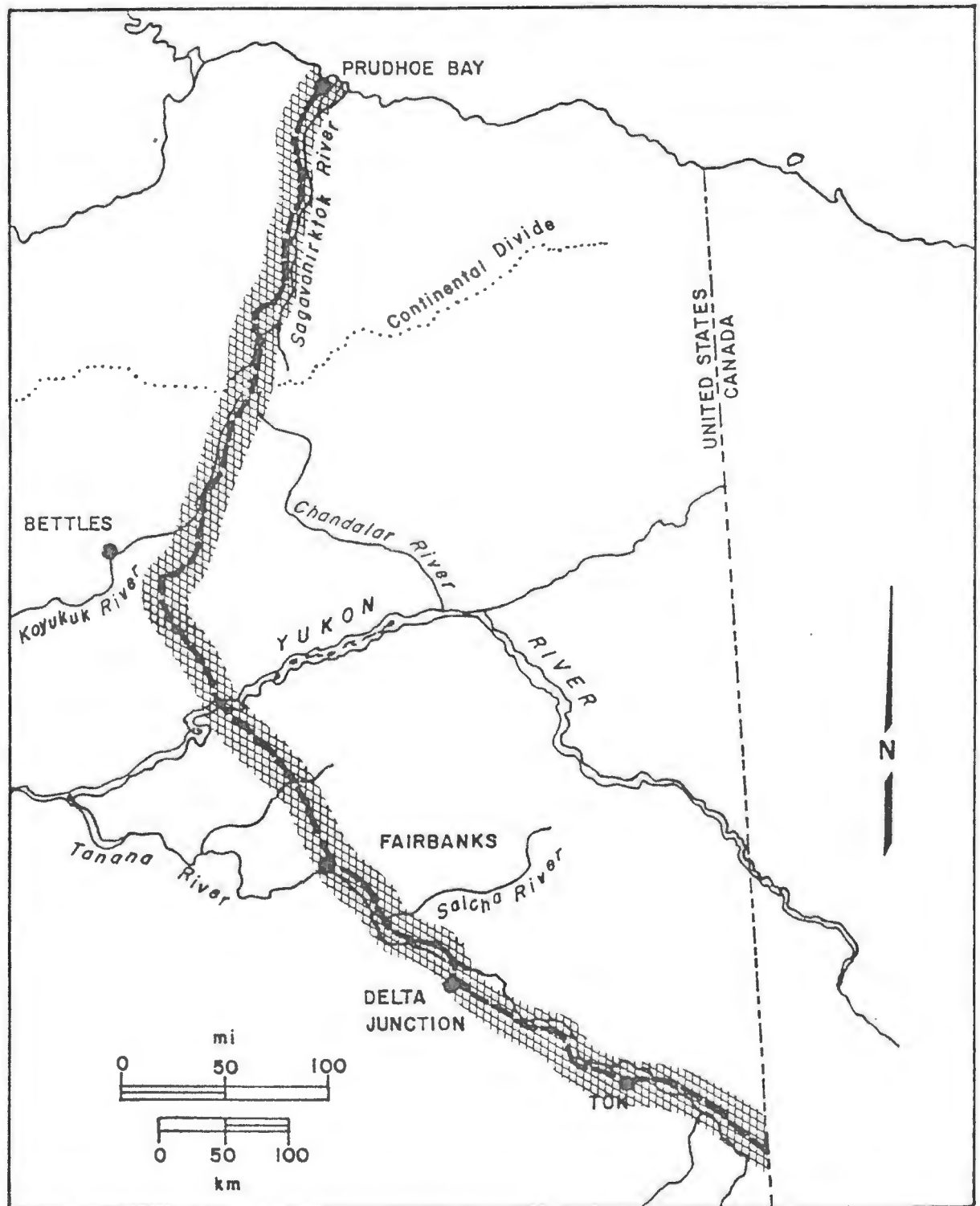


Fig. 7. Known distribution of the round whitefish in waterbodies in the vicinity of the proposed gasline corridor.

Coregonus sardinella - Least Cisco

Both anadromous and non-anadromous least cisco are found in the vicinity of the proposed pipeline (Fig. 8). The larger anadromous form is most often found in coastal areas, while the smaller 'resident' form is usually confined to inland lakes and rivers. Upstream spawning migrations begin in spring and continue until the onset of spawning in late summer and fall. In the Chatanika River, spawning begins in mid-September (Ref. 115) with peak spawning activity occurring the last week of September (Ref. 100). Rapid downstream migration to overwintering areas occurs shortly after spawning. Anadromous least cisco overwinter in estuarine areas near the mouths of large rivers while non-anadromous populations overwinter in lakes and large rivers.

Fry hatch in spring.

Cottus cognatus - Slimy Sculpin

General

The slimy sculpin is one of the most abundant and frequently occurring species in streams along the gasline corridor from Prudhoe Bay to the Canadian border (Fig. 9). Unfortunately, its life history is probably one of the least understood. Spawning occurs from late April to early June. Slimy sculpin are relatively sedentary but undoubtedly undergo some seasonal movement. The extent and magnitude of such movements is unknown.

Site-specific Information

Spawning

Sheenjek River drainage, Monument Creek - observed newly hatched sculpin along with eyed eggs 25 June (Ref. 114).

Sheenjek River drainage, Monument Creek - estimated to have spawned in late May one week after breakup (Ref. 114).

Delta Clearwater River - observed many sculpin spawning in shallow water on and around a large, dead log 28 April; underside of log was covered with numerous egg masses (Ref. 89).

Couesius plumbeus - Lake Chub

Lake chub are present in many of the lakes, rivers and streams along the pipeline corridor within the Tanana and Yukon river drainages (Fig. 10). Very little information is available concerning the life history of these fish in far northern regions. Lake chub are thought to undergo a pre-spawning upriver migration into small tributary streams, where they spawn in shallow rocky areas. Spawning is believed to occur in spring and early summer, however, ripe males and gravid females have been captured in late August in northern Canada (Ref. 117).

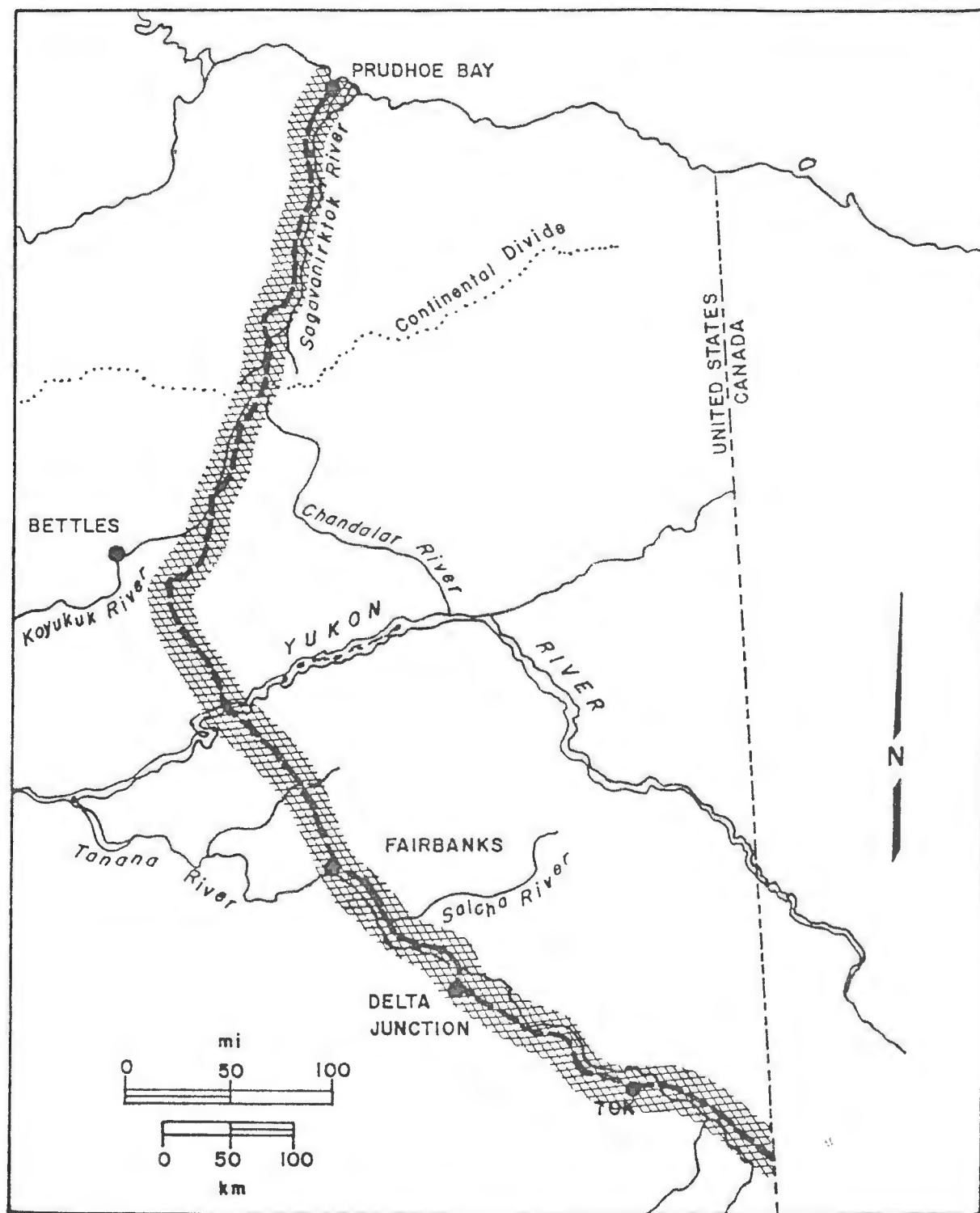


Fig. 8. Known distribution of the least cisco in waterbodies in the vicinity of the proposed gasline corridor.

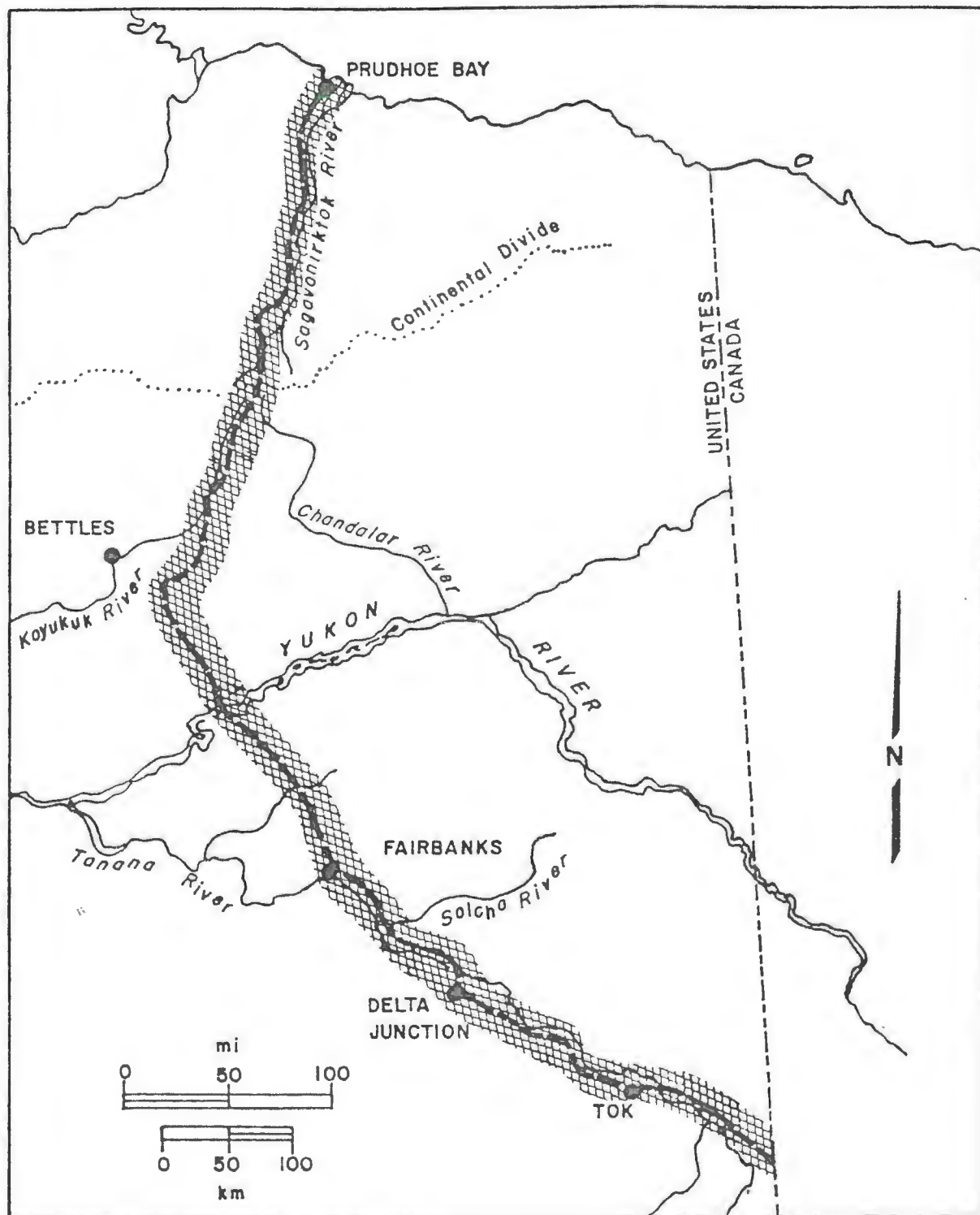


Fig. 9. Known distribution of the slimy sculpin in waterbodies in the vicinity of the proposed gasline corridor.

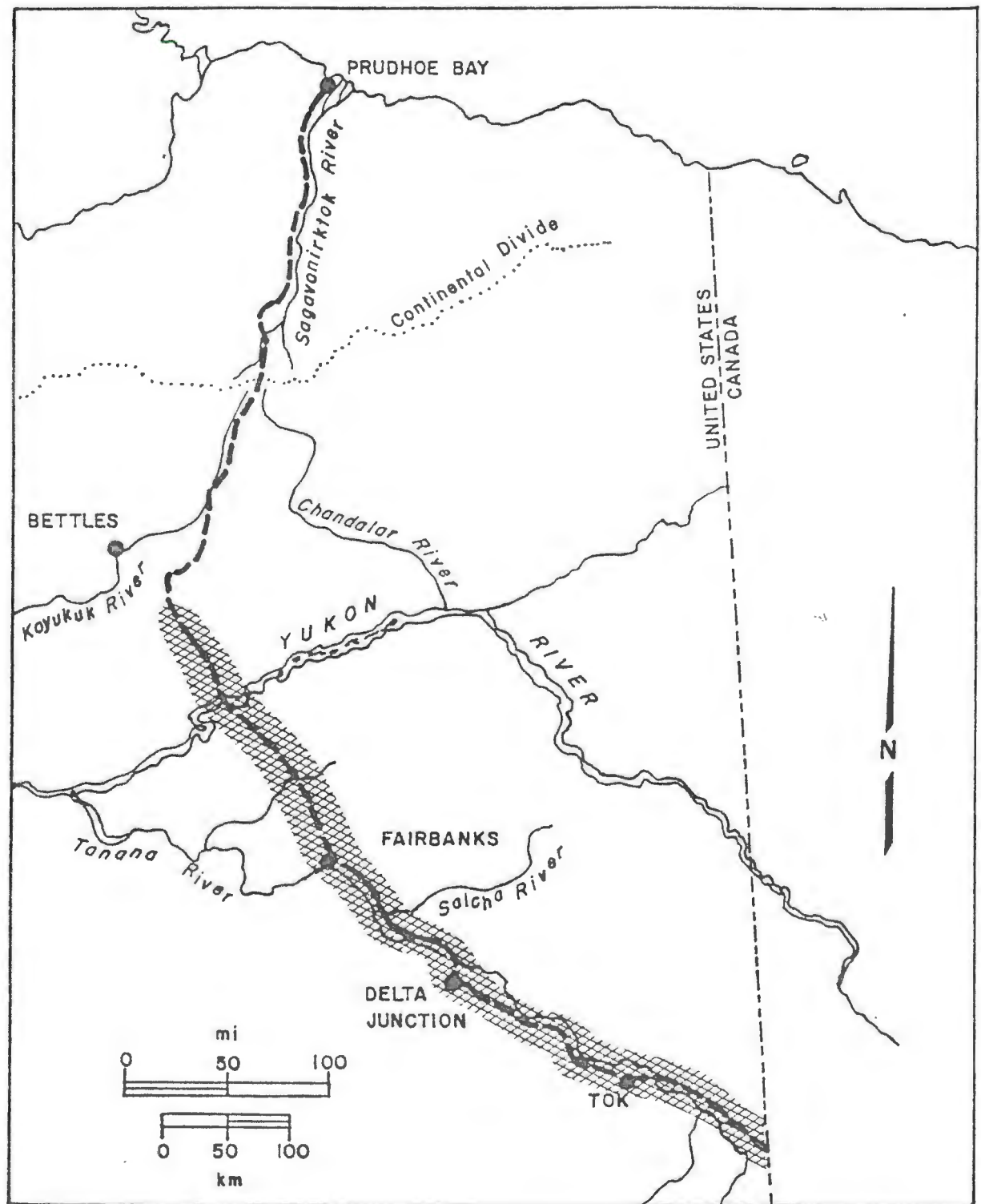


Fig.10. Known distribution of the lake chub in waterbodies in the vicinity of the proposed gasline corridor.

Information concerning egg incubation time requirements and movements of fry are not available; however, it is likely that fry eventually move downstream to stable overwintering areas as do adult lake chub. Some post-spawning mortality of adults has been suggested (Ref. 117).

Dallia pectoralis - Alaska Blackfish

General

Distribution of the Alaskan blackfish is limited to Siberia and Alaska. Blackfish occur eastward and inland in Alaska only as far as Fairbanks. Documentation for blackfish presence in waters in the vicinity of the proposed pipeline corridor to date exists only for Engineer Creek and the Chatanika River. Other Yukon drainages crossed by the pipeline undoubtedly harbor blackfish (Fig. 11), but the degree of utilization in the area is unknown. Little is known about blackfish movements but they appear to be relatively sedentary and are often found in waters uninhabitable by other species. Spawning is believed to occur from May to August.

Site-specific Information

Spawning

Lake Aleknagik (Wood River Lakes system) - spawning estimated to occur mainly in July (Ref. 112).

Big Eldorado Creek (Fairbanks) - spawning occurs from May to August with most intense spawning in June (Ref. 111).

Migration

Big Eldorado Creek - blackfish migrate upstream after breakup in May (Ref. 111).

Esox lucius - Northern Pike

General

Northern pike generally occur throughout Alaska and are relatively abundant throughout the Yukon and Tanana river drainages. Although they do occur north of the Brooks Range, they have not been documented in waterbodies in the vicinity of the pipeline corridor in that region (Fig. 12). Northern pike begin their spawning migration from overwintering areas in early April. Pike are very active at this time as they seek shallow weedy areas of lakes and slow-flowing rivers. Spawning takes place as soon as shallow areas become ice free, generally from 1 May to 20 June depending upon the region. Northern pike generally remain in shallow weedy areas until near freeze-up when they begin migrating to overwintering areas. In some lakes that provide overwintering habitat,

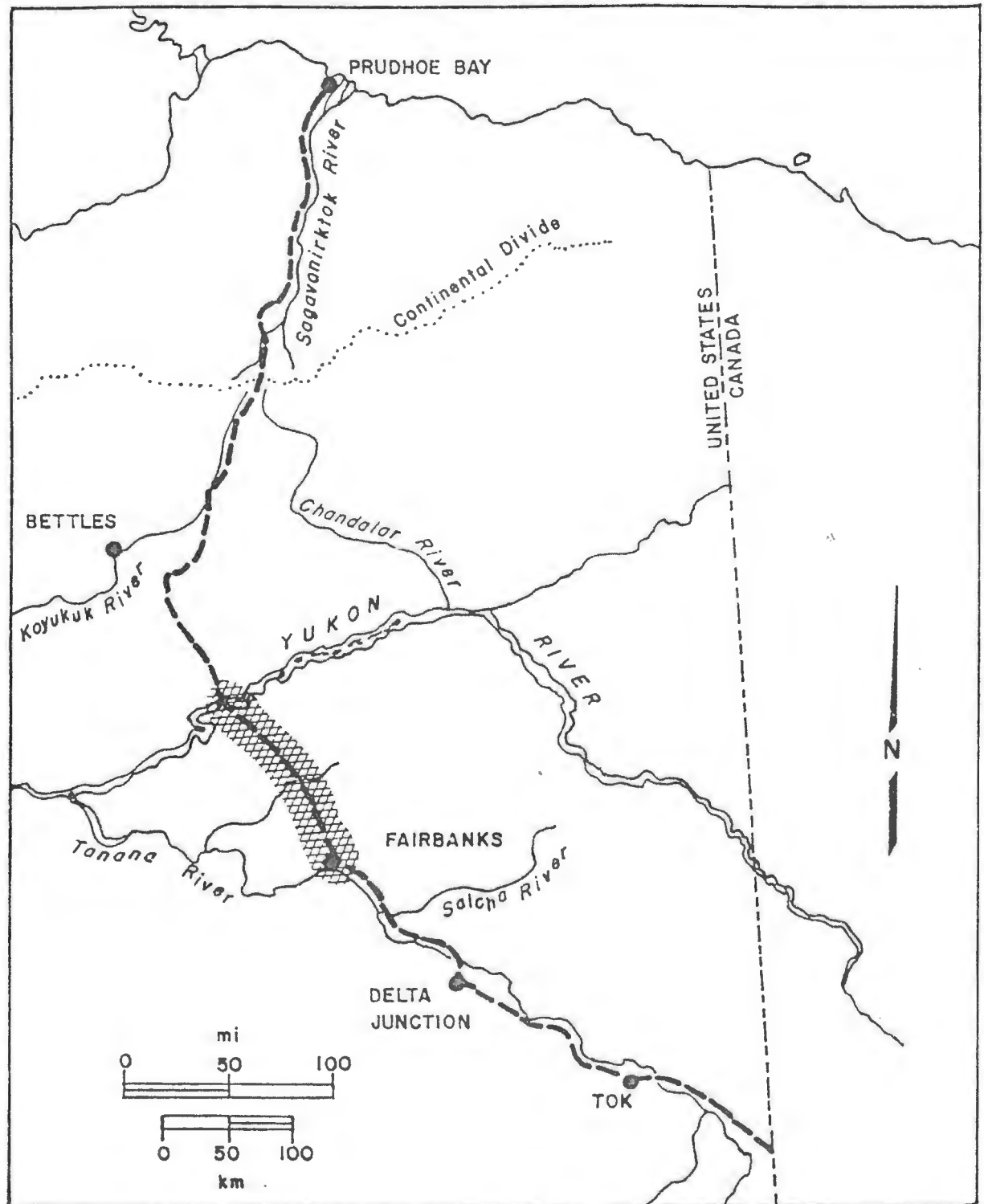


Fig. 11. Known distribution of the Alaska blackfish in waterbodies in the vicinity of the proposed gasline corridor.

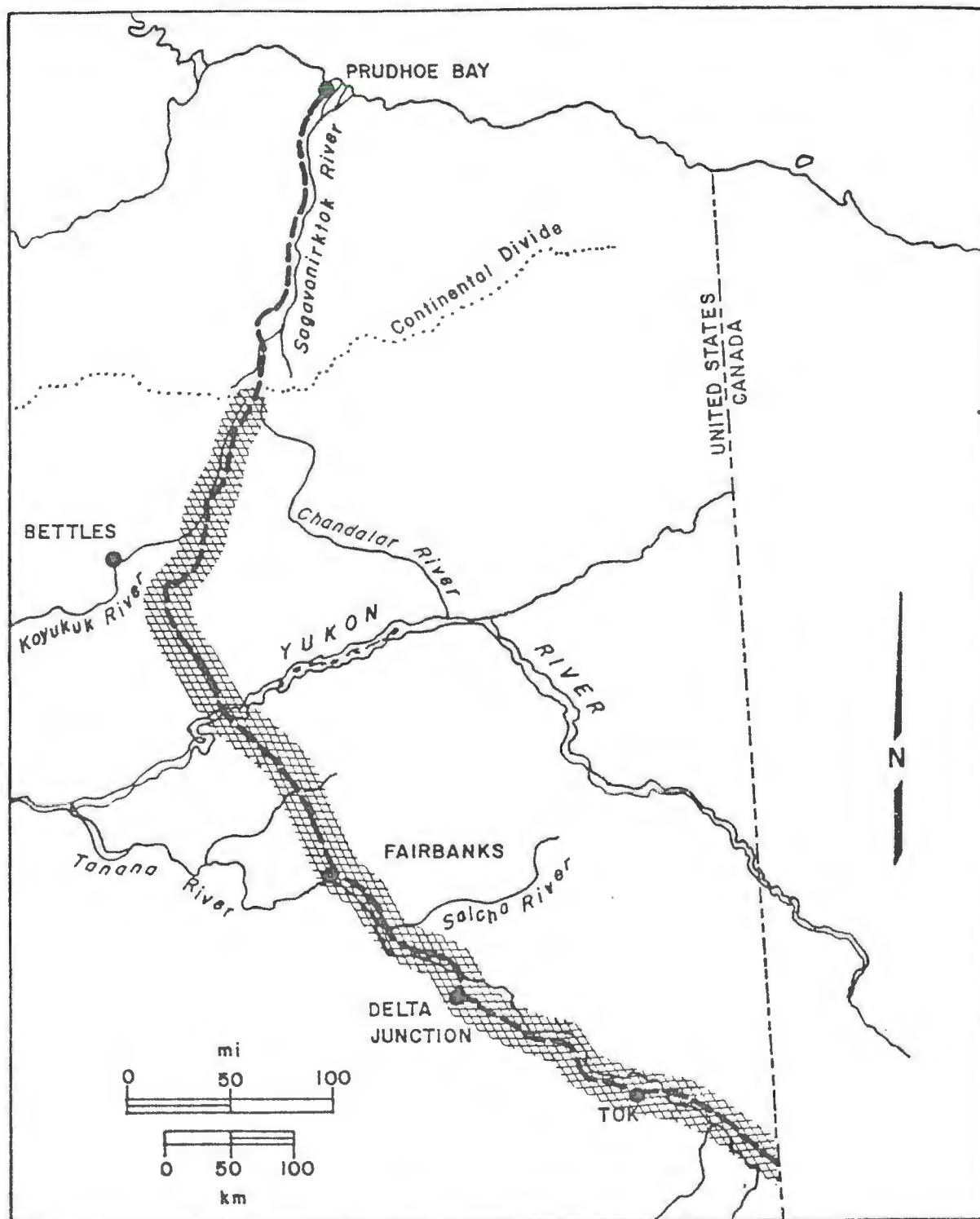


Fig. 12. Known distribution of the northern pike in waterbodies in the vicinity of the proposed gasline corridor.

the spawning migration is limited to movement to inshore regions and fall movements are manifested by a shift in distribution to offshore, deeper waters.

Site-specific Information

Spawning

Goodpaster River (mouth to km 53) - spawning in mainstem; ripe pike caught in April 1973 and four ripe pike caught 13 May 1973 (Ref. 95).

Minto Flats region - spawning peaked 21-26 May 1972 (Ref. 100).

Minto Flats region - spawning began 10 May and lasted til 2 June 1973 (Ref. 115).

Minto Flats region - spawning period from 15 May-15 June; spawning began 10 May 1970 (Ref. 120).

Lake Aleknagik (Wood River Lakes system) - spawning peaked 10-20 June 1976 (Ref. 104).

Migration

Goodpaster River - upriver during late April and early May 1973 (Ref. 95).

Minto Flats region - pike ascend the rivers in Minto Flats area beneath the ice in spring (Ref. 120).

Minto Flats region - pike migrate downstream in fall and overwinter in the Tolovana and Tanana rivers (Ref. 120).

Lampetra japonica - Arctic Lamprey

Arctic lamprey are found only in major inland rivers and coastal drainages in Alaska. Along the proposed pipeline route their known distribution is limited to the Yukon drainage (Fig. 13). Little information is available concerning their life history. Adult fish migrate upstream in spring and spawn from late May to early June. Out migration of adults occurs shortly after spawning is completed. Eggs hatch within a few weeks and the young begin their downstream migration the following spring.

Lota lota - Burbot

Burbot are common in the majority of the larger rivers, lakes and streams throughout the pipeline corridor (Fig. 14). Burbot are unusual in that spawning takes place in winter, usually from February to April, when mature pre-spawning adults move into shallow spawning areas from the deep water areas where they spend the summer and fall. Burbot in the Tanana River spawn in February, and numerous pre-spawning adults have been reported in a number of interior lakes in March and April (Ref. 89). Eggs usually hatch within 30 days and young appear from late

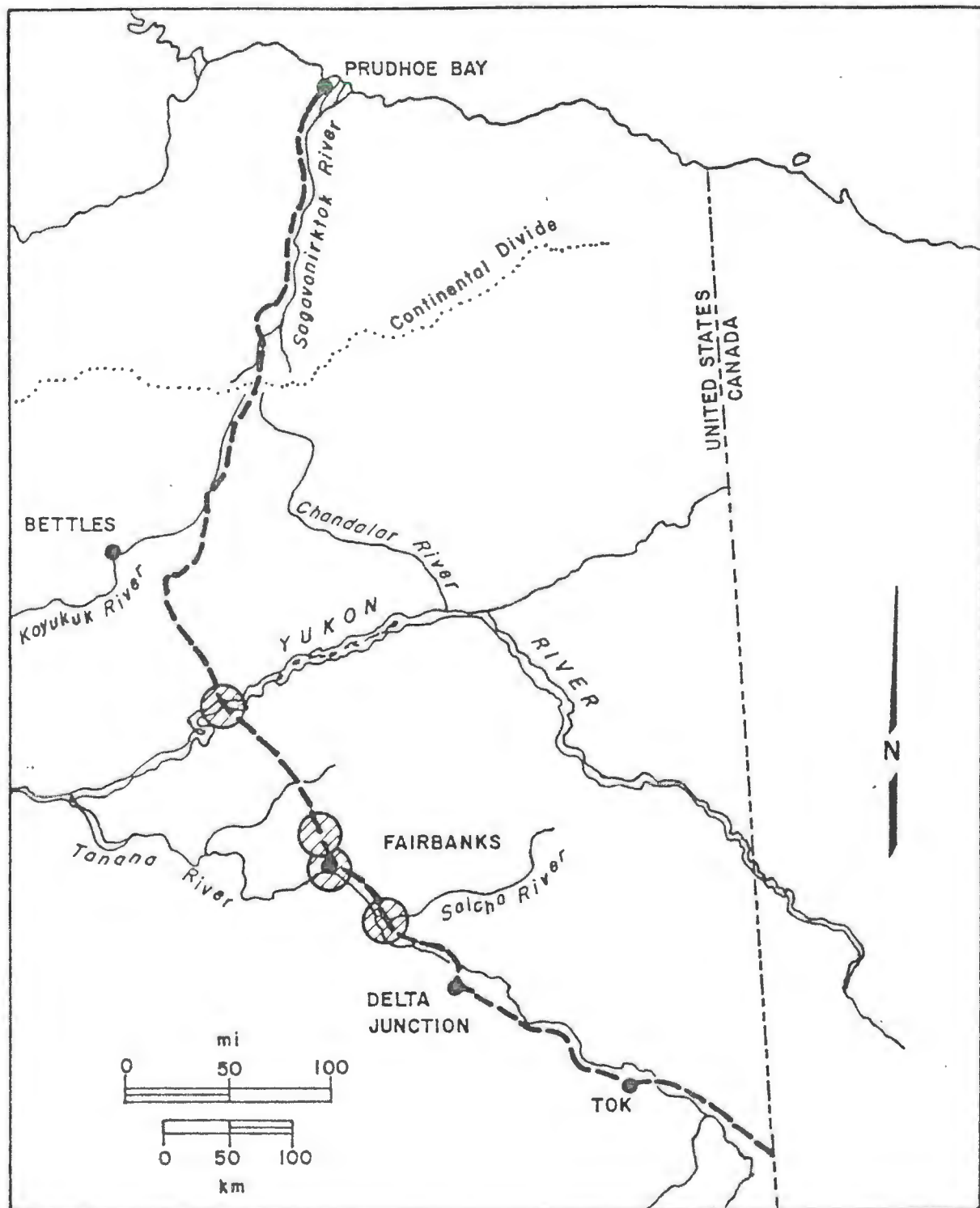


Fig. 13. Known distribution of the Arctic lamprey in waterbodies in the vicinity of the proposed gasline corridor.

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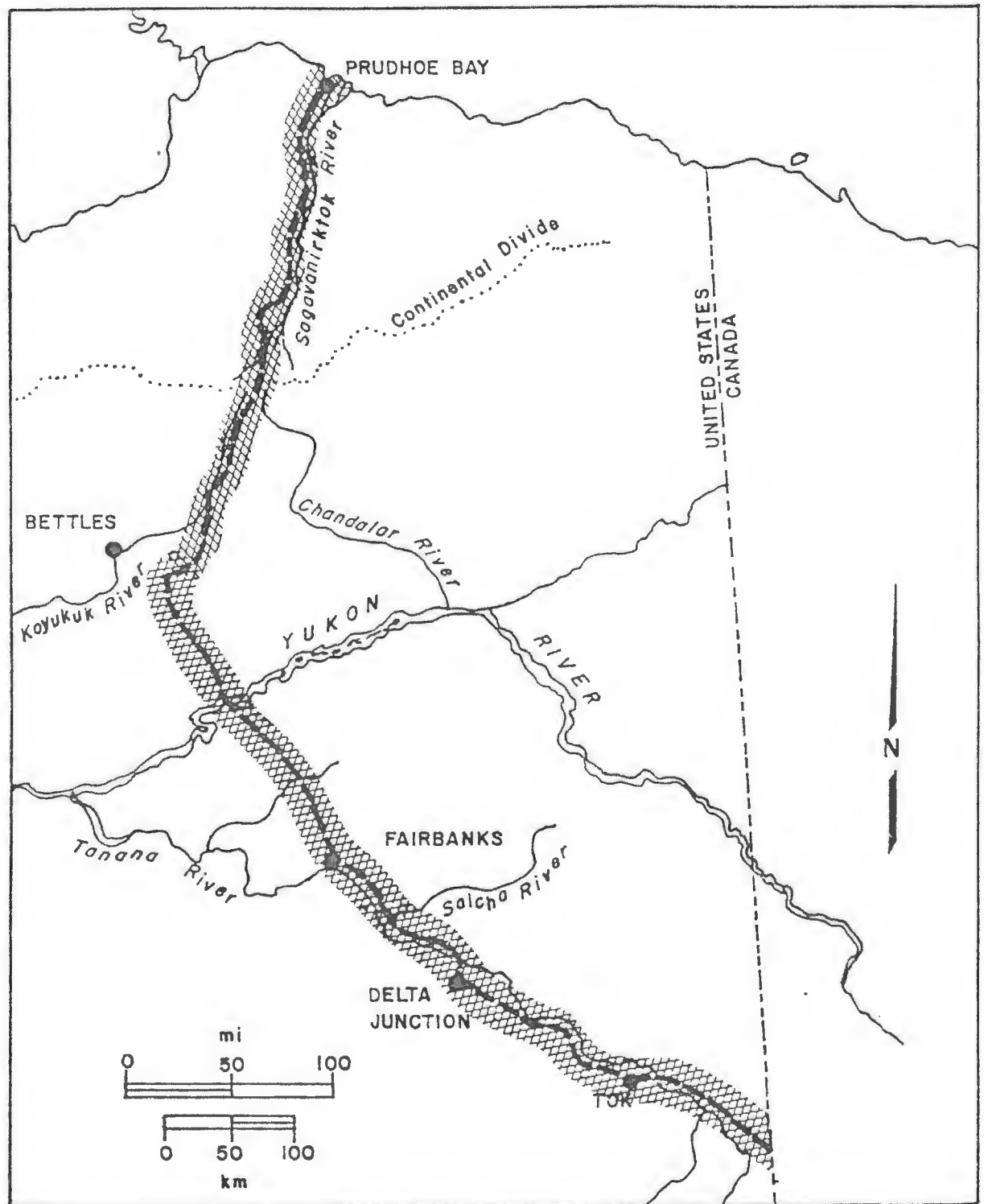


Fig. 14. Known distribution of the burbot in waterbodies in the vicinity of the proposed gasline corridor.

March to late June. Young-of-the-year and yearling burbot spend most of the late spring and summer in rocky, shallow, weedy areas of tributary streams.

Oncorhynchus gorbuscha - Pink Salmon

Pink salmon in the vicinity of the gasline corridor are occasionally present in the lower reaches of the Sagavanirktok River only. Pre-spawning adults move upriver in early to mid summer and spawning takes place in August and September. Adults die shortly after spawning is completed. Eggs hatch from December to February and the young (alevin) remain in the gravel for several weeks. Fry emerge in early April and May and immediately begin a downstream migration to estuarine waters where they may spend several months before moving offshore. Pink salmon generally spend two years at sea before returning to freshwater to spawn.

Oncorhynchus keta - Chum Salmon

General

Chum salmon in the vicinity of the proposed pipeline route are found primarily in upper Tanana River drainages (Tanana, Delta, Delta Clearwater, Salcha, Chena and Chatanika rivers) and middle Yukon River drainages (Prospect, Jim and Middle and South Fork Koyukuk rivers). An occasional chum salmon has been found in the Sagavanirktok River (Fig. 16). The first run of chum salmon into the Yukon River usually appears in early June. Other runs follow and upstream migrations to spawning grounds is not complete in some streams until October. Chum salmon in the Salcha, Chena, Chatanika and Middle and South Fork Koyukuk rivers usually reach their spawning grounds by mid July and spawning is complete by 1 September. A late fall run of chums reaches the upper Tanana, Delta and Delta Clearwater rivers by mid October and spawning peaks in the last week of that month. Chum salmon fry emerge from the gravel beginning in early April and continue to the first week of June. Fry spend little time in freshwater and out migrations follow shortly after fry emergence. Chum salmon generally spend 3-5 years at sea before returning to freshwater to spawn.

Site-specific Information

Spawning

- Delta River - spawning peaked the last week of October 1974 (Ref. 32).
- Delta River - spawning occurred from mid October to end of November 1975; spawning peaked 29 October (Refs. 32 and 33).
- Salcha River - spawning peaked during the second and third weeks of August 1976 (Ref. 14).
- Chena River - chum salmon spawn in late summer (Ref. 11).

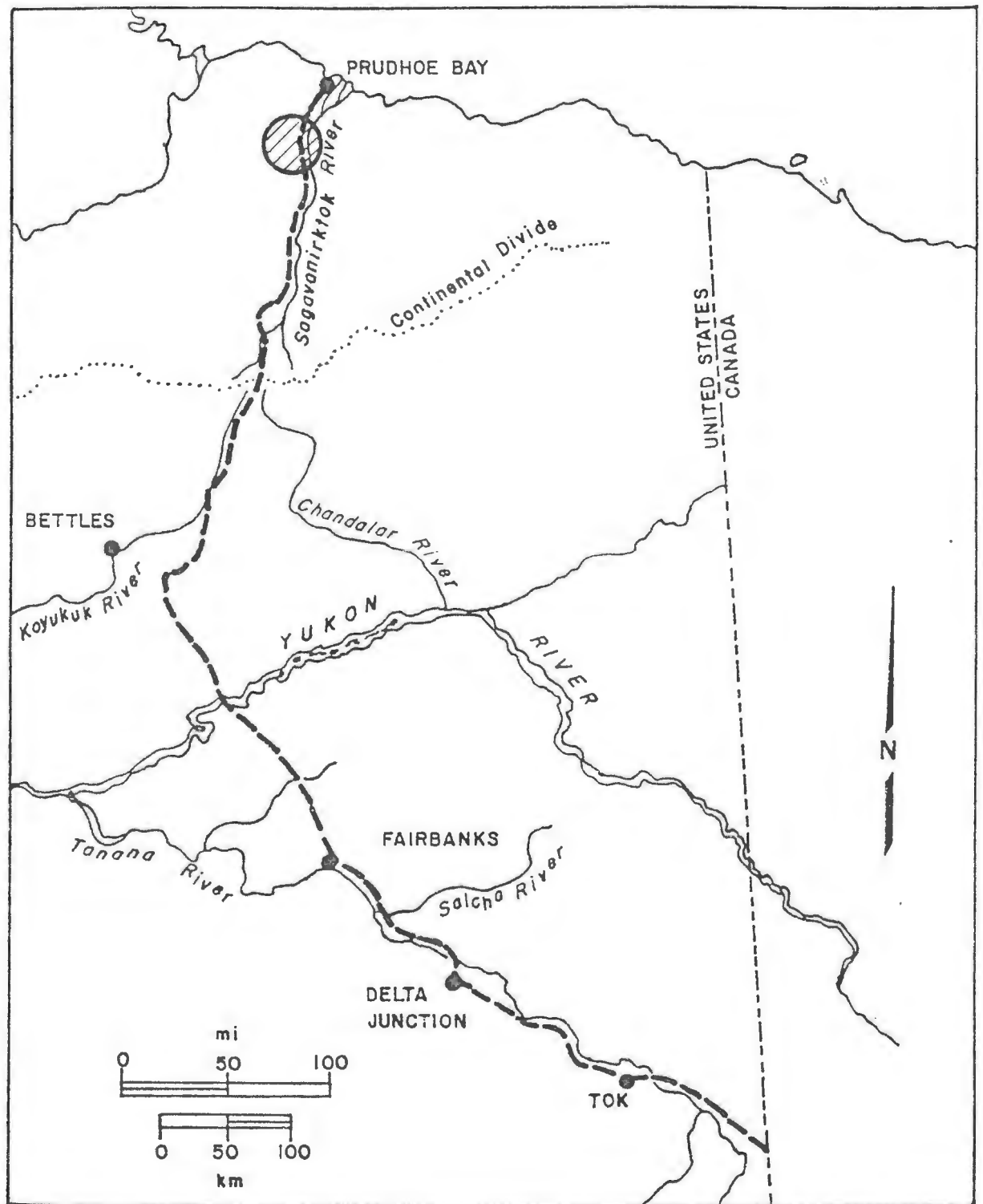


Fig. 15. Known distribution of the pink salmon in waterbodies in the vicinity of the proposed gasline corridor.

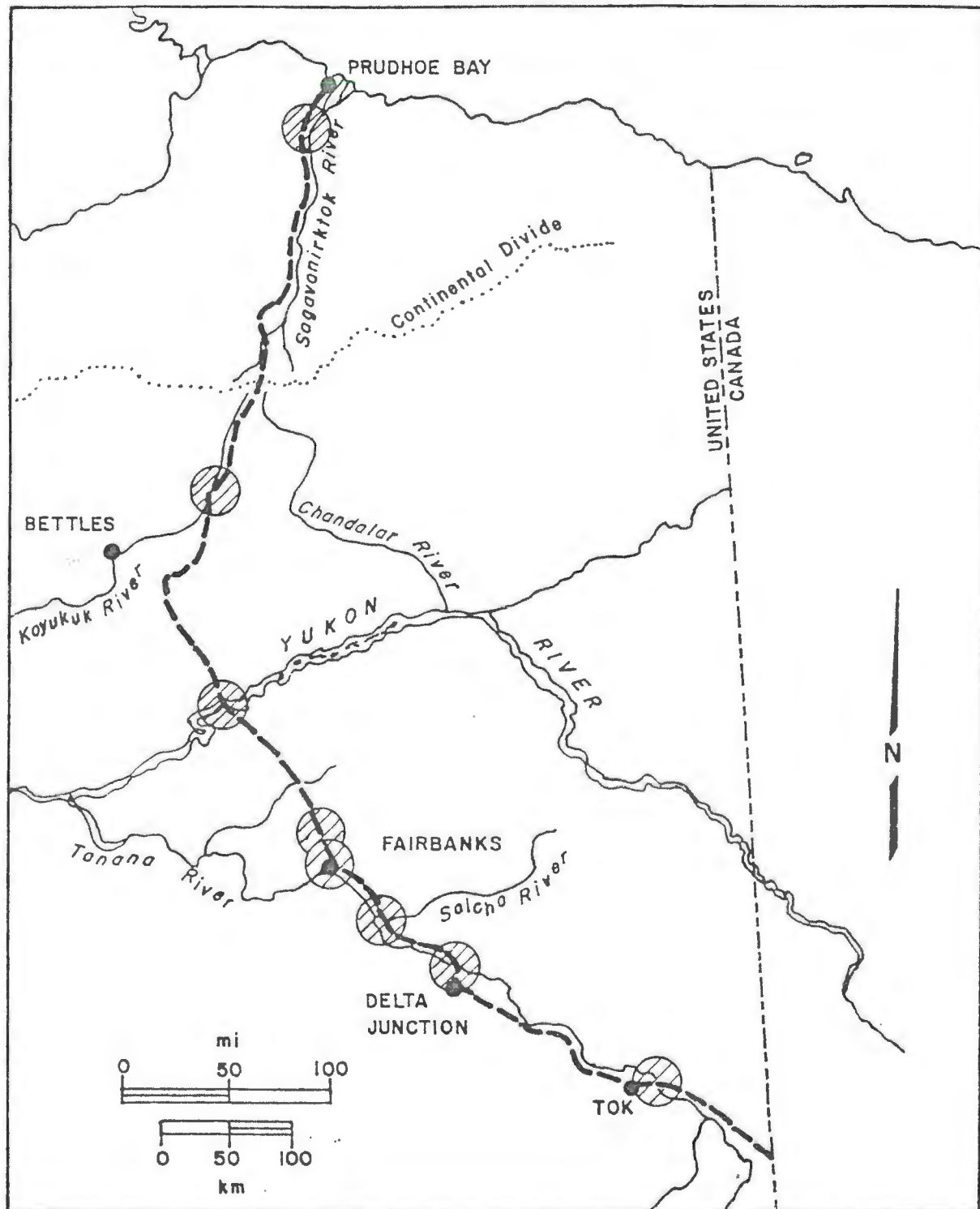


Fig. 16. Known distribution of the chum salmon in waterbodies in the vicinity of the proposed gasline corridor.

Jim and Middle and South Fork Koyukuk rivers - spawning in these rivers peaks 20-30 July (Ref. 88).

Delta River - Hatching began early February and continued to mid March 1976 (Ref. 33).

Chena River - eggs hatch January-February (Ref. 11).

Delta River - fry emergence began in early April and lasted through the third week of that month (Ref. 33).

Migration

Delta River - adults first arrived 8 October 1974 (Ref. 32).

Jim and Middle and South Fork Koyukuk Rivers - first arrive after 1 July (Ref. 88).

Salcha River - fry at out migration occurred 18 May-8 June 1973, 16-30 May 1976 and 11-13 May 1977 (Ref. 35).

Delta River - peak in-out migration of fry occurred 8-21 April 1976 (Ref. 16).

Jim and Middle and South Fork Koyukuk rivers - out migration peaks during breakup (Ref. 88).

Oncorhynchus kisutch - Coho Salmon

In the vicinity of the gasline corridor, coho salmon are found primarily in the Yukon, Chena and upper Tanana rivers. Pre-spawning adult salmon migrate upriver from August to October and spawning takes place from September to December. Adults die shortly after spawning is completed. Eggs hatch in early spring, but the young (alevins) remain in natal gravels for two to three weeks. Fry emerge in May and June and must remain in freshwater to rear for one to two years. Seaward migration of smolts generally occurs during and immediately following breakup. Coho salmon spend two to three years at sea before returning to spawn in their fourth or fifth year of life.

Oncorhynchus tshawytscha - King Salmon

General

King salmon which utilize streams along the proposed pipeline route are found primarily in the upper Tanana River drainages (Goodpaster, Salcha and Chena rivers) and middle Yukon River drainages (Prospect, Jim and Middle and South Fork Koyukuk rivers) (Fig. 17). King salmon destined for the aforementioned streams probably enter the Yukon River in late May and arrive on the spawning grounds beginning 1 July. Spawning peaks 20-30 July in middle Yukon River drainages and in early August in upper Tanana River drainages. After hatching and emergence from spawning redds, young king salmon generally remain in freshwater for two years before migrating to sea. Smolts begin their downstream migration during and immediately following spring breakup. King salmon remain at sea two to five years before returning to freshwater to spawn in their fourth to seventh year of life. Males usually mature sooner than females and spend less time at sea.

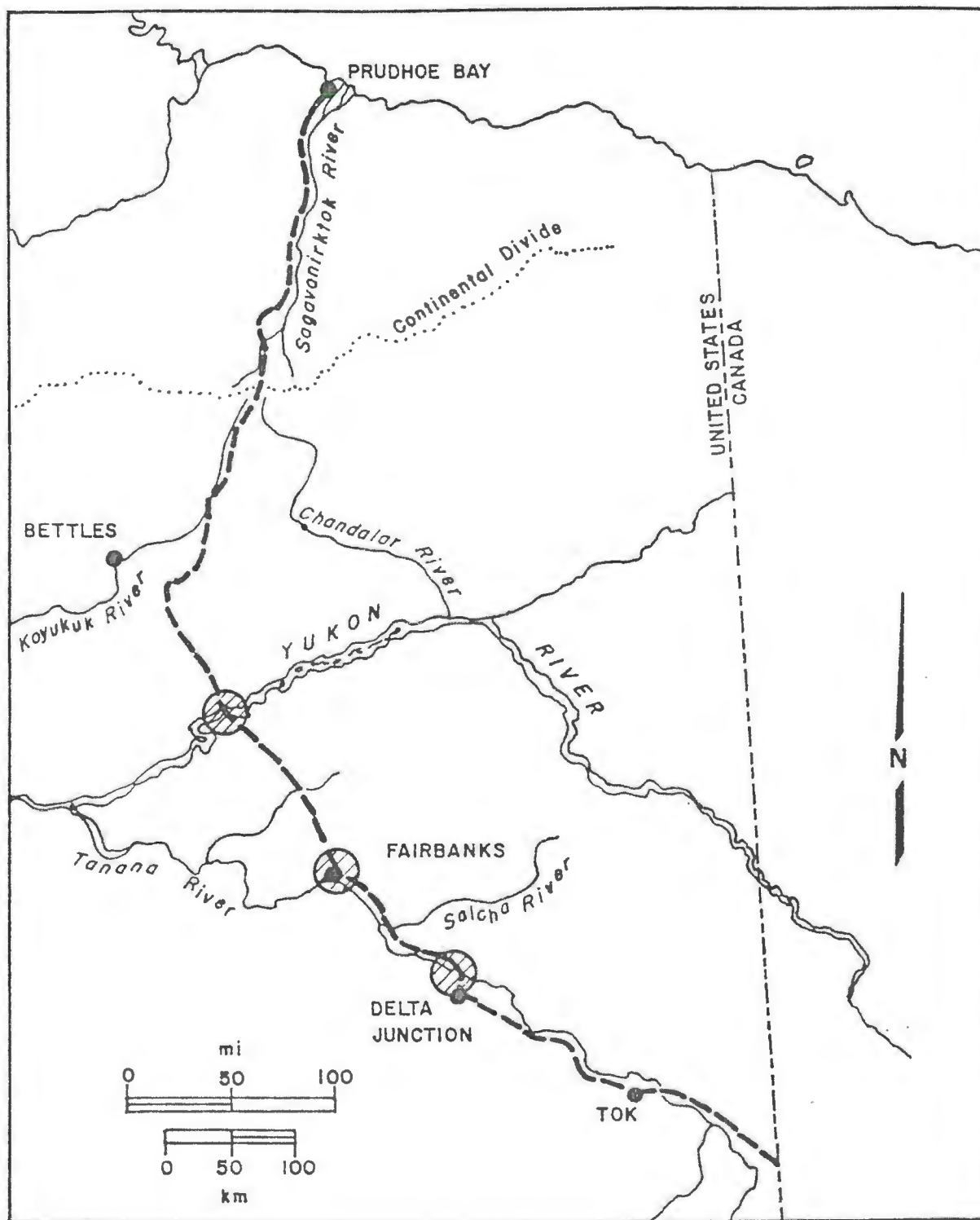


Fig. 17. Known distribution of the coho salmon in waterbodies in the vicinity of the proposed gasline corridor.

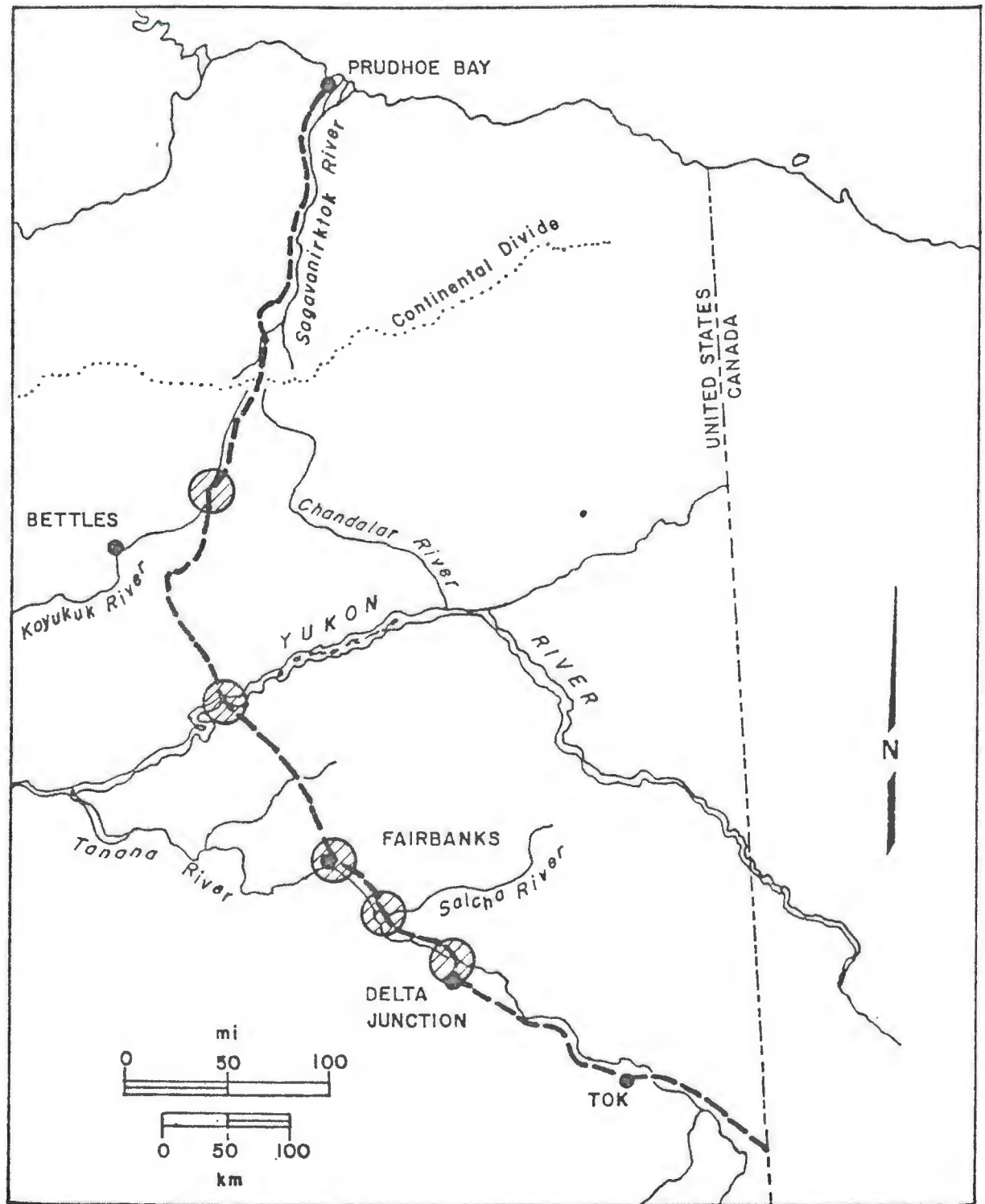


Fig. 18. Known distribution of the king salmon in waterbodies in the vicinity of the proposed gasline corridor.

Site-specific Information

Spawning

Salcha River - peak spawning during last week of July 1974 (Ref. 25).
 Salcha River - peak spawning during first week of August 1976 (Ref. 14).
 Jim, Prospect and Middle and South Fork Koyukuk rivers - peak spawning occurs 20-30 July (Ref. 88).
 Salcha River - fry emergence continued at least through 18 June 1976 and possibly through that entire month (Ref. 14).

Migration

Salcha River - adults entered river in early July 1974 (Ref. 25).
 Jim, Prospect and Middle and South Fork Koyukuk rivers - adults begin arriving after 1 July (Ref. 88).
 Salcha River - smolt out migration probably peaked before 25 May 1976 (Ref. 14).
 Jim, Prospect and Middle and South Fork Koyukuk rivers - smolt out migration peaks during breakup (Ref. 88).

Percopsis omiscomaycus - Trout-Perch

Presence of the trout-perch in the vicinity of the proposed pipeline corridor is confined to the Yukon River. Little is known of the biology of this fish in river systems, however lake populations have been investigated (Fig. 19). In the Yukon River spawning occurs from late spring through summer as ripe specimens were taken at Circle, Alaska, on 28 June 1958. Timing of spawning of river populations is suspected to closely follow that of lake populations. The latter move into shallow clearwater tributaries of lakes to spawn at night in gravel and cobble substrate. The eggs adhere to the substrate and hatch in 10 to 20 days.

Pungitius pungitius - Ninespine Stickleback

Ninespine stickleback are present in many waterbodies along the pipeline corridor north of the Brooks Range (Fig. 20). Spawning generally takes place in shallow, well vegetated areas during spring and summer. Spawning may occur more than once in a season (Ref. 116) and eggs normally hatch within 7 days and the young disperse into nearby nursery areas.

Salvelinus alpinus - Arctic Char

General

Arctic char are abundant in streams and lakes along the gas pipeline corridor draining into the Beaufort Sea but are only occasionally present in Yukon River drainages (Fig. 21). Arctic char are generally replaced by Dolly Varden south of the Brooks Range to the Yukon River and in

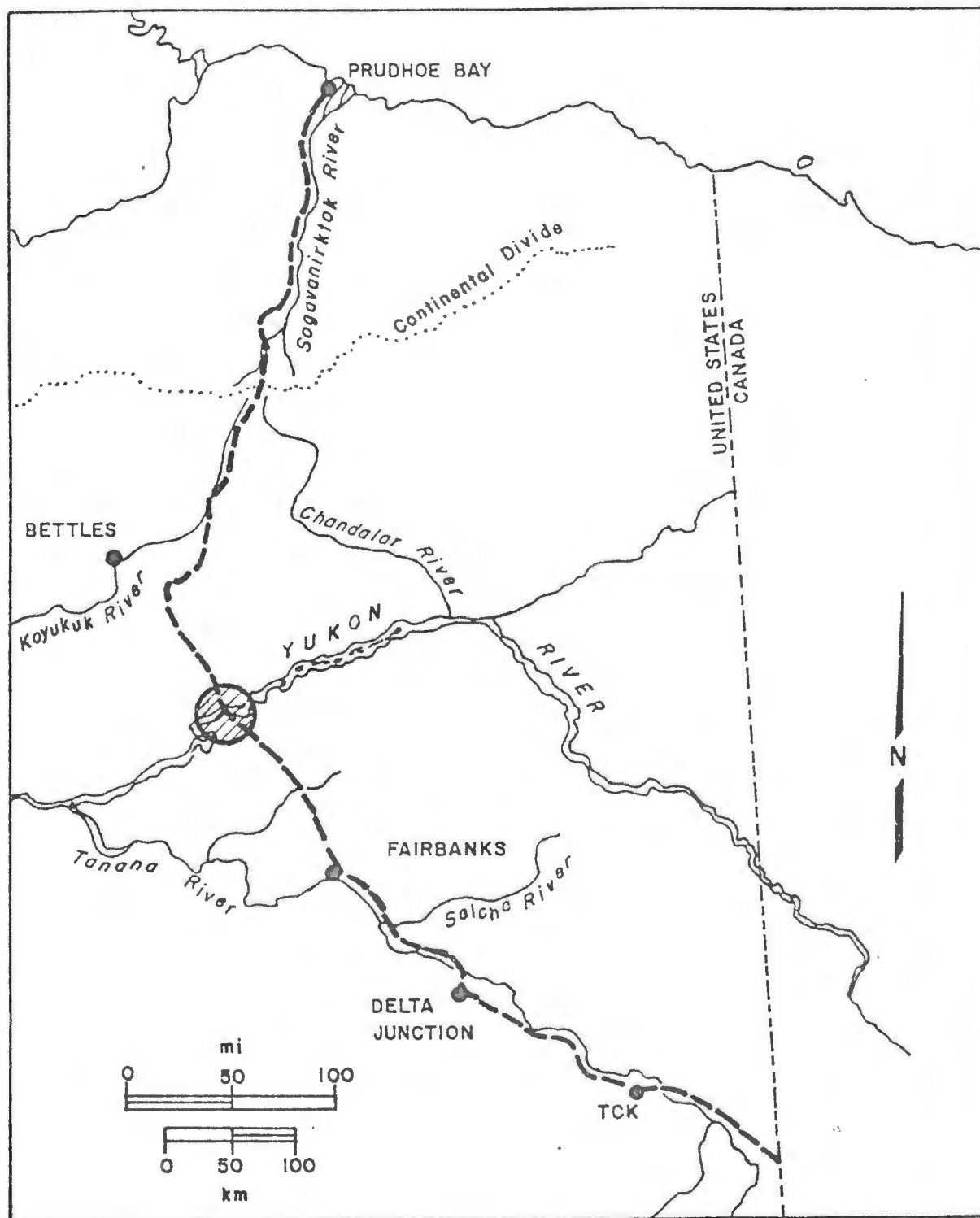


Fig. 19. Known distribution of the trout-perch in waterbodies in the vicinity of the proposed gasline corridor.

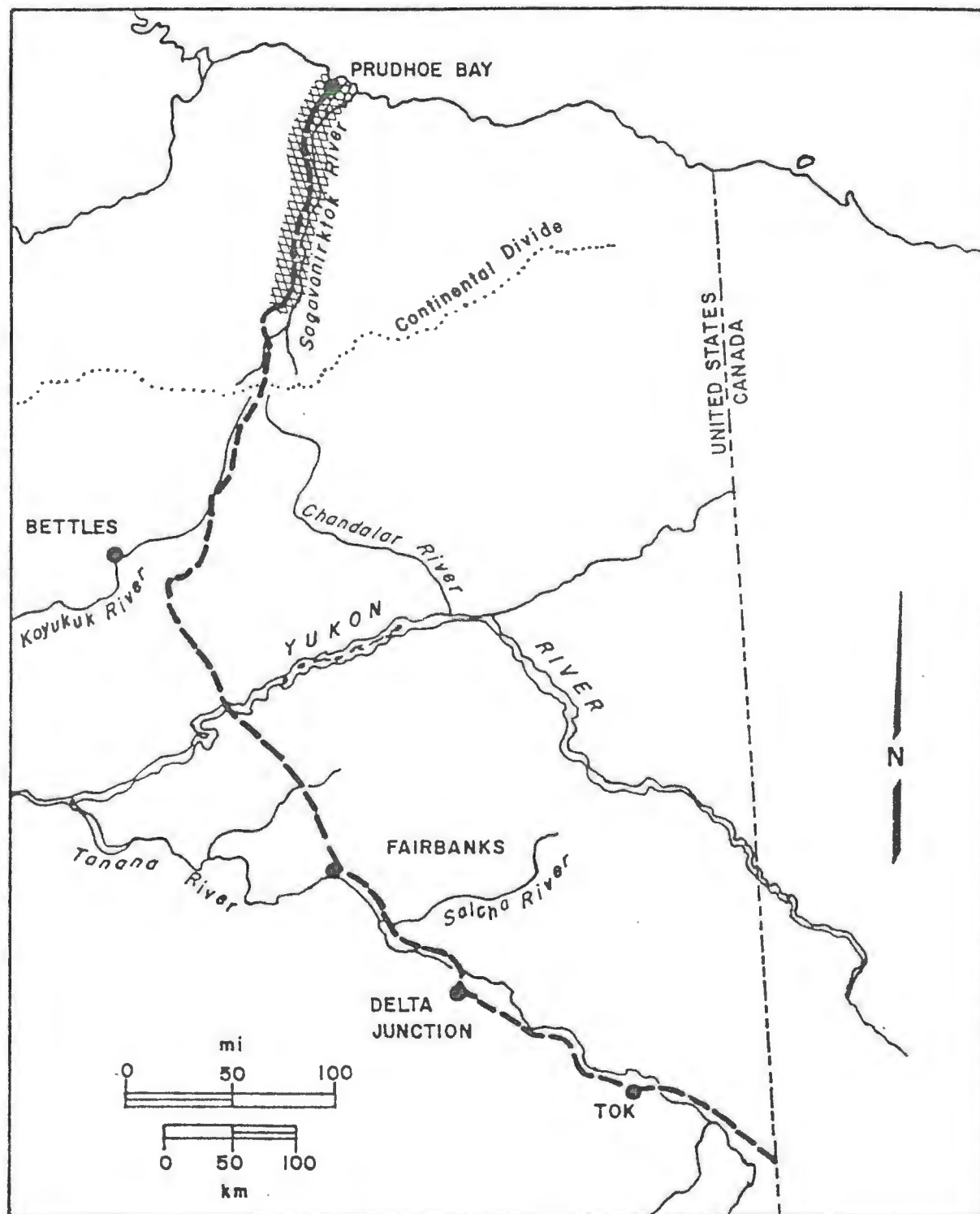


Fig. 20. Known distribution of the ninespine stickleback in waterbodies in the vicinity of the proposed gasoline corridor.

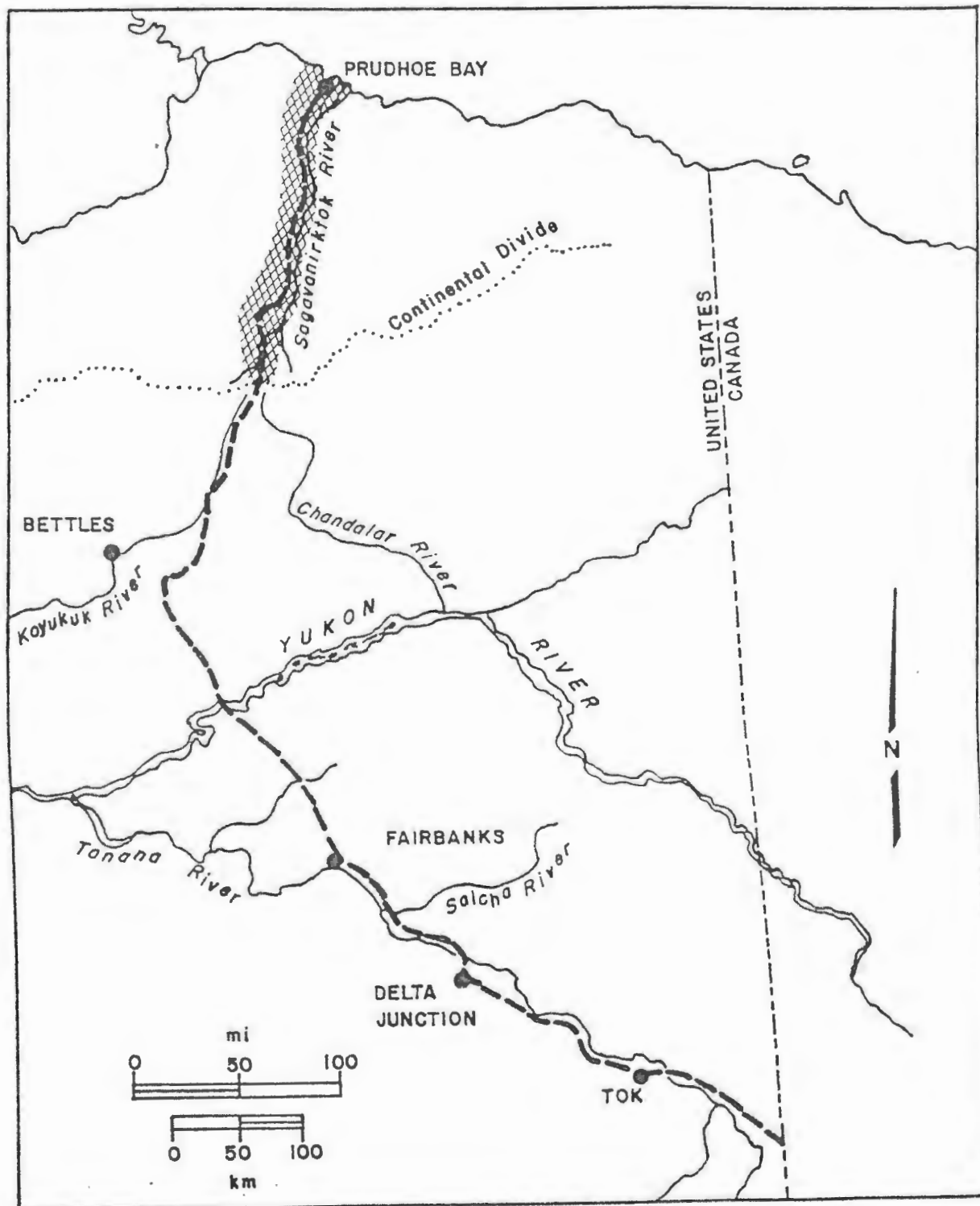


Fig. 21. Known distribution of the Arctic char in waterbodies in the vicinity of the proposed gasoline corridor.

headwater streams of the upper Tanana River. Mature anadromous Arctic char, followed shortly after by immature fish, generally enter freshwater streams (upstream migration) from late July to mid-September. Arctic char generally seek large rivers or perennial springs that flow year-round. Spawning takes place from mid-August to December but most fish in our area spawn from September to late October. Adults may remain in spawning areas to overwinter but most move downstream to overwinter in lower reaches of spawning streams. Spawning areas also provide overwintering habitat for juvenile char. Emigration to the sea of adult and juvenile (smolts) char occurs shortly after breakup (June to early July). Arctic char generally remain near the mouths of natal streams and feed in estuarine waters before returning to freshwater in late summer and fall. Non-anadromous Arctic char have a similar life history as anadromous fish except that they remain in freshwater year-round.

Site-specific Information

Spawning

- Beaufort Sea drainages - spawn in fall in spring fed and mountain streams (Ref. 105).
- Sagavanirktok River drainage - eggs are deposited in late September 1972 (Ref. 102).
- Echooka, Ivishak and Lupine rivers and Accomplishment Creek - spawning occurred from the last week of August to the third week of November 1971 (Ref. 101).
- Firth River drainage, Yukon Territory - spawning from mid-August to late September (Ref. 110).
- Sadlerochit Spring, Arctic National Wildlife Range - evidence suggests that non-anadromous dwarf Arctic char spawn late in the year since spawning had not occurred by early November (Ref. 108).
- Sagavanirktok River drainage - fry began to emerge from spawning gravels in mid-June; hatching occurred in mid-April (Ref. 102).
- Canning River drainage, Spring CS-10 - fry emerged from gravel from the last week of May to the first week of June 1973 (Ref. 102).
- Firth River drainage, Yukon Territory - fry emerge from gravel in late May (Ref. 110).

Migration

- Sagavanirktok River - migrations occur from breakup through September (Ref. 101).
- Lupine River - upstream migration occurred from 15 August to 4 September 1971; run peaked 25 August 1971 (Ref. 101).
- Ivishak River - most upstream migrants present by 3 September 1971 (Ref. 101).
- Ivishak River - upstream migrant spawners run peaked 21-25 August 1972; non-spawners run peaked 1-6 September 1972 (Ref. 102).

- Canning River drainage, Spring CS-10 - first spawners appeared 24 August and continued to enter in small numbers throughout September 1973 (Ref. 107).
- Canning River drainage, Spring CS-10 - immature anadromous char began appearing shortly after anadromous spawners (Ref. 107).
- Weir Creek, Karik River drainage - after breakup anadromous Arctic char emigrate to the Beaufort Sea (Ref. 106).
- Firth River drainage, Yukon Territory - anadromous char move seaward in June and return in late July and August (Ref. 110).
- Canning River drainage, Spring CS-10 - out migration of large resident char occurs in late June and early July (Ref. 107).
- Sagavanirktok River Delta - smolt out migration from 22 June to 5 July 1972 (Ref. 102).

Salvelinus malma - Dolly Varden

Along the proposed pipeline route, Dolly Varden are found primarily in clear headwater streams of the Alaska Range in the upper Tanana River drainage and the southern Brooks Range in the middle Yukon River drainage (Fig. 22). Fish from both regions appear to be non-anadromous and spawn in September and October. Dolly Varden were seen spawning in Schroeder's Spring (Overwintering Creek) a Dietrich River tributary, on 13 September 197 (Ref. 11). Dolly Varden in both regions are usually associated with clear spring water areas

and only minor seasonal movements occur. Dolly Varden in the vicinity of the proposed pipeline are small, rarely exceeding 25 cm in length.

Salvelinus namaycush - Lake Trout

In Alaska, the distribution of the lake trout is confined to Beaufort Sea drainages of the Brooks Range and areas within the Alaska Range south to the coast. The only documented lake trout observations along the proposed gas pipeline corridor occurred at Stump Creek, Roche Moutonee Creek and the Atigun River, all of which are Sagavanirktok River drainages.

Adult lake trout favor deep, cool waters during summer but move into shallow lake shore areas to spawn in fall (September-November). Eggs remain within gravel and rubble substrates during winter and hatch after four to five months. After spawning, adult lake trout disperse throughout lake or river systems. Young trout remain in shallow water along the shores for several years before moving into deeper waters.

Stenodus leucichthys - Sheefish (Inconnu)

General

Sheefish or inconnu are found in streams of the Yukon and Tanana river drainages. They inhabit primarily the Chena, Chatanika, Tatalina, Tolovana, Yukon, Ray, Dall, Kanuti and Koyukuk rivers and Hess Creek (Fig. 24). Sheefish appear to utilize the lower reaches of many of the

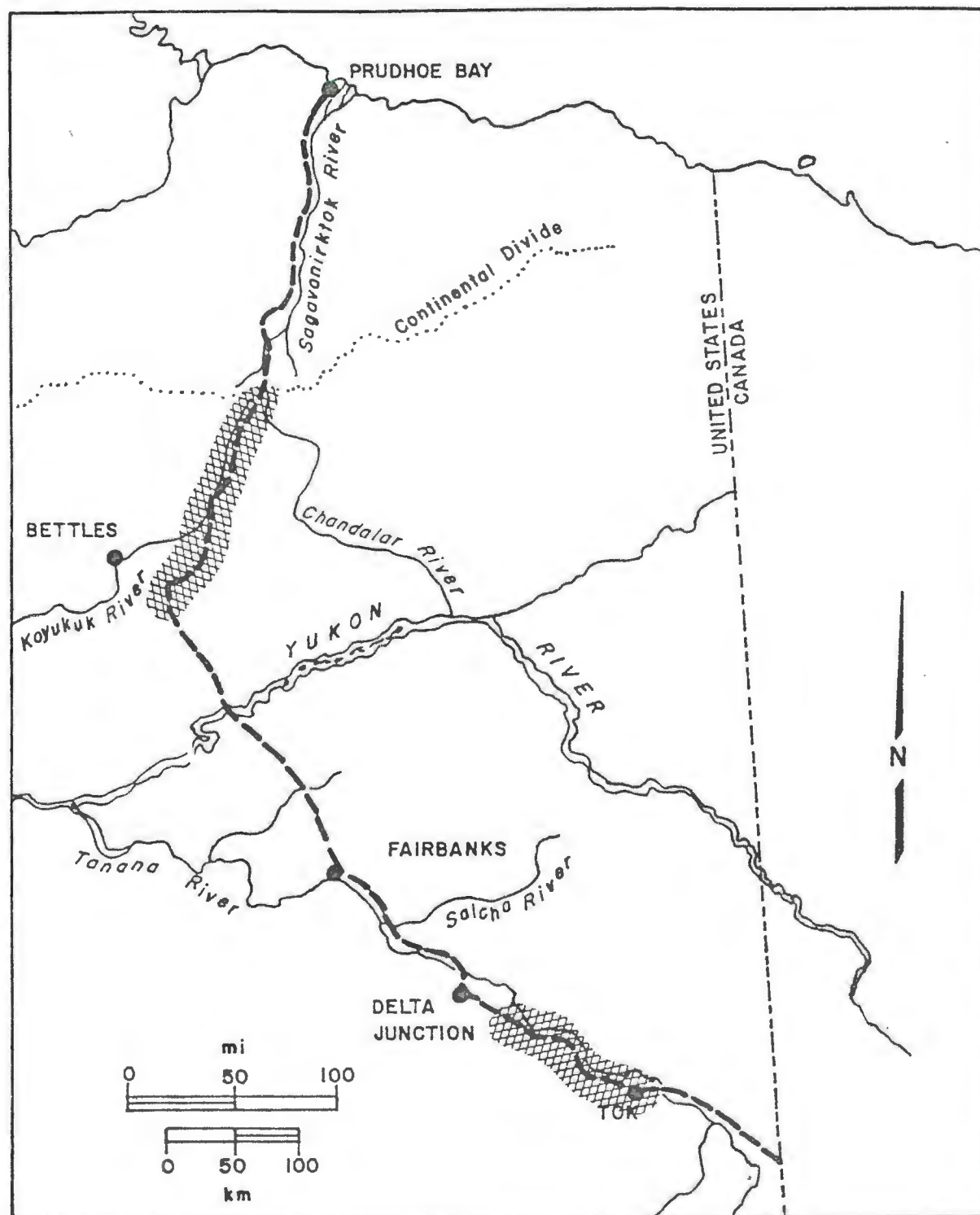


Fig. 22. Known distribution of the Dolly Varden in waterbodies in the vicinity of the proposed gasline corridor.

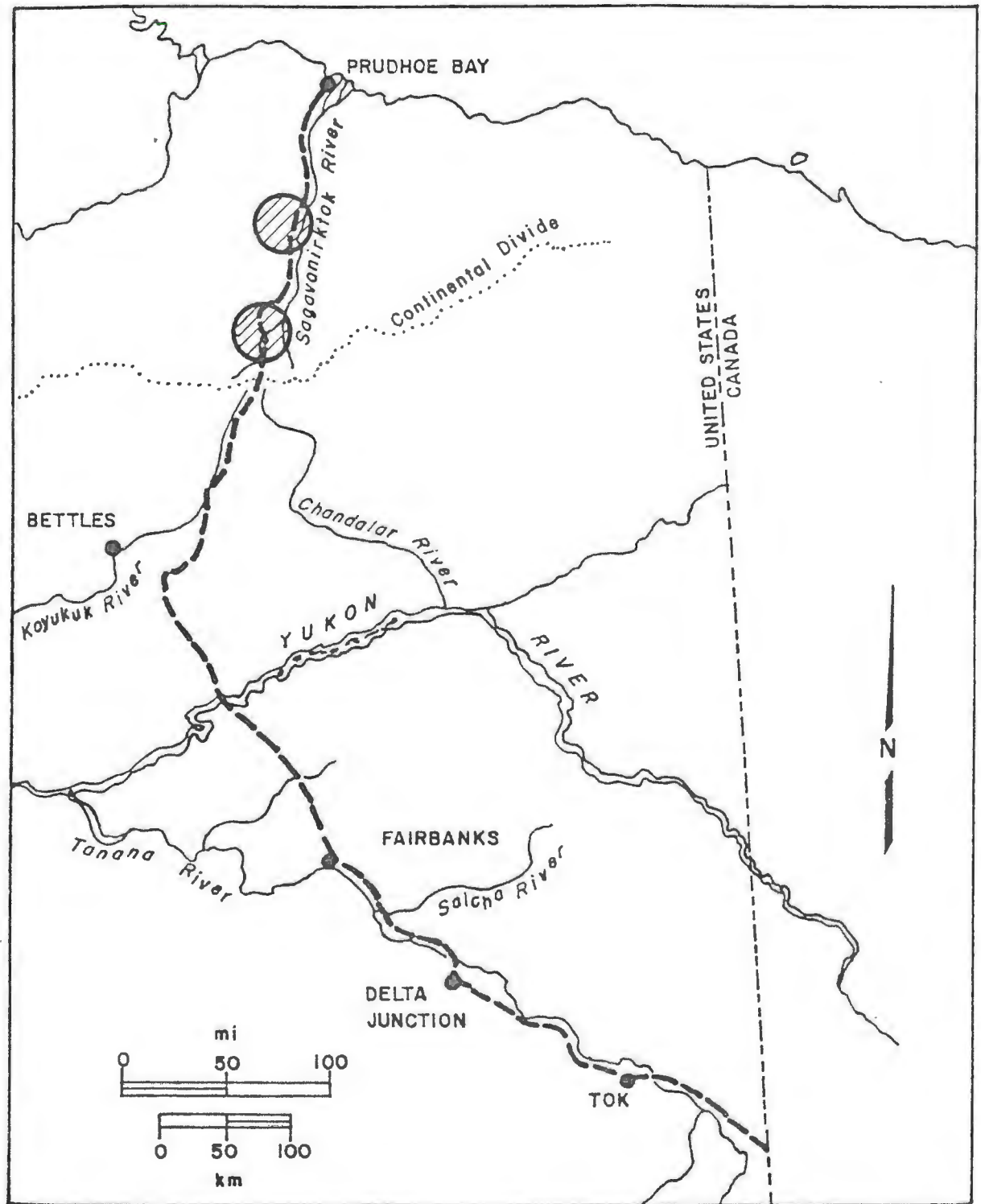


Fig. 23. Known distribution of the lake trout in waterbodies in the vicinity of the proposed gasline corridor.

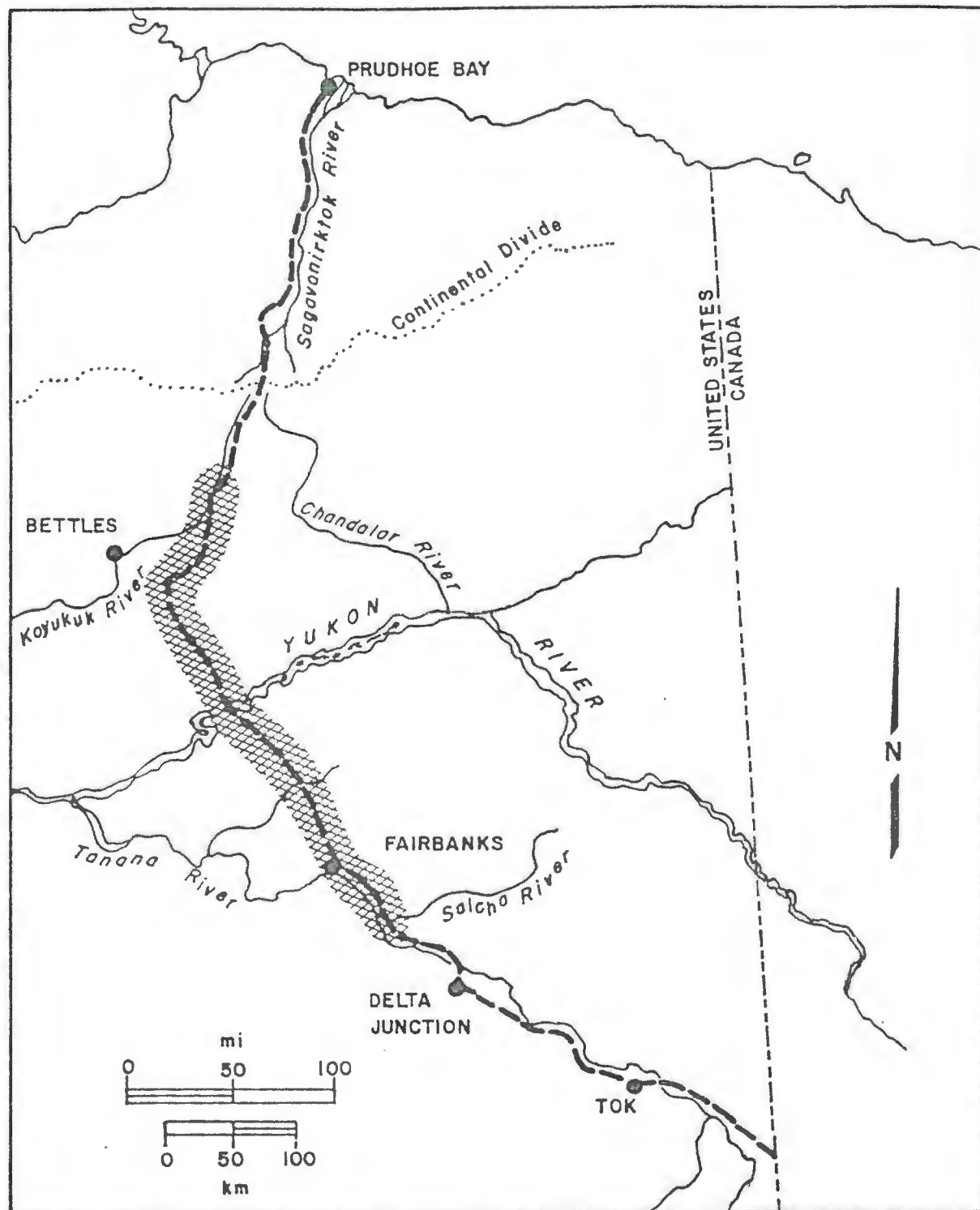


Fig. 24. Known distribution of the sheefish in waterbodies in the vicinity of the proposed gasline corridor.

(Fig. 24). Sheefish appear to utilize the lower reaches of many of the aforementioned streams more heavily than upper reaches where the proposed pipeline corridor is often situated. They begin a gradual upstream spawning migration at spring breakup. This migration may last several months with non-spawners traveling to summer rearing areas and spawners reaching spawning grounds as early as August. Spawning occurs from late September to early October and a rapid downstream post-spawning migration to overwintering areas occurs shortly afterward. Anadromous sheefish overwinter in estuarine areas near the mouths of large rivers while non-anadromous (i.e., Minto Flats inconnu) populations overwinter in large, deep rivers.

Site-specific Information

Spawning

Chatanika River - spawning occurs in late September and early October (Ref. 113).

Upper Kobuk River - spawning occurs in late September (Ref. 86).

Koyukuk River - spawning occurs in September and October (Ref. 11).

Migration

Minto Flats/Chatanika River - sheefish enter Minto Flats in late May after breakup; sheefish reach spawning grounds on Chatanika River in late August and September; rapid downstream migration following spawning (Ref. 113).

Thymallus arcticus - Arctic Grayling

General

Arctic grayling are found throughout the proposed pipeline corridor (Fig. 23) and are the most frequently occurring species. Adult grayling begin their upstream spawning migration as early as 10 April in some streams and juveniles follow shortly thereafter. Spawning generally lasts 3-15 days and falls within the period 10 May to 20 June depending upon the region (see site-specific information below). The timing of migration and spawning for grayling in streams north of the Brooks Range generally appears to be two weeks after the same events in more southerly Alaskan streams. Adults may remain in the vicinity of spawning grounds to rear but most spend the summer months in other tributaries or the mainstem of the system. Juvenile and young-of-the-year grayling generally remain in natal streams until near freeze-up when all grayling begin moving downstream into large rivers to overwinter.

Site-specific Information

Spawning

Little Salcha River - spawning occurred 13 May-16 June 1952 (Ref. 83).

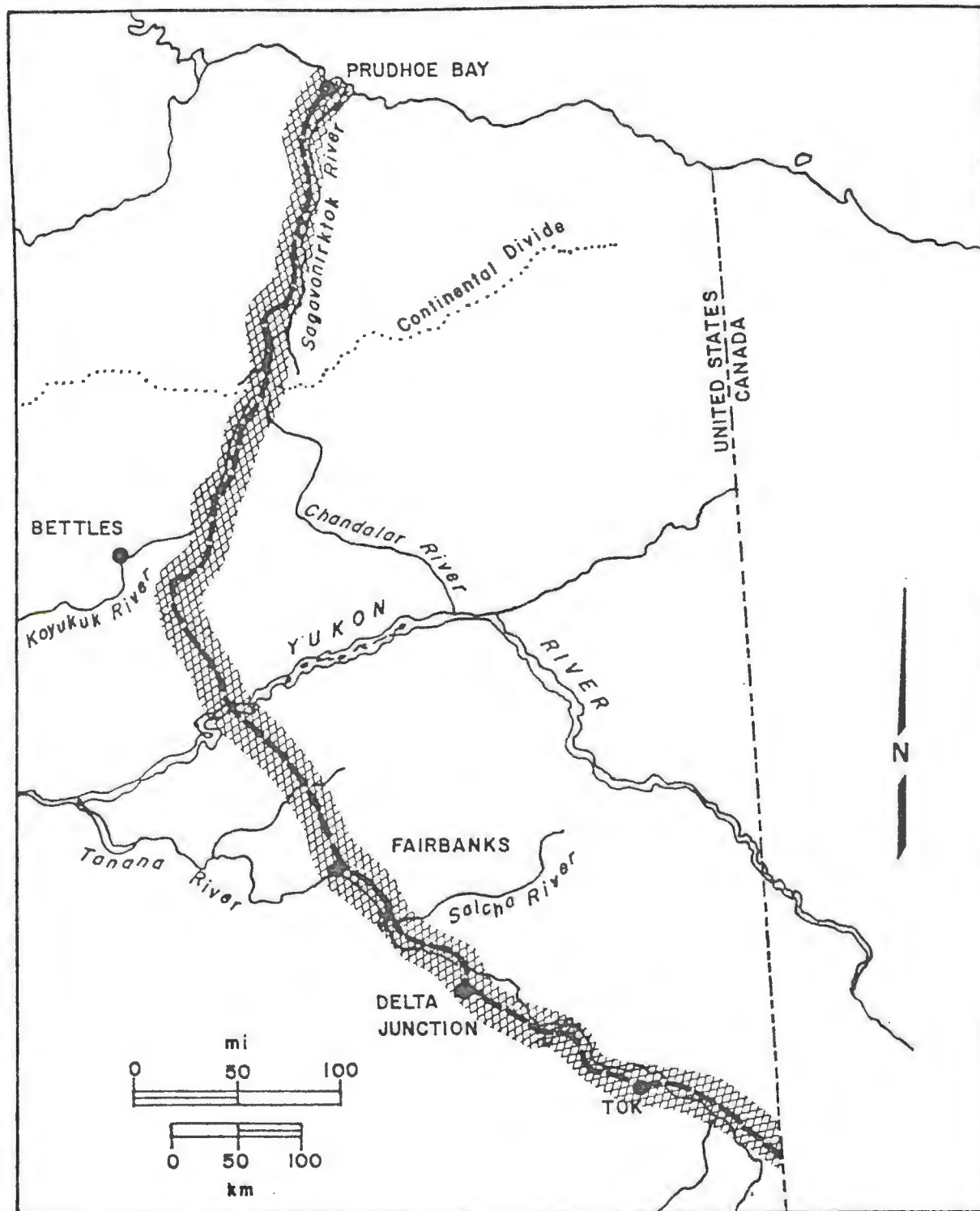


Fig. 25. Known distribution of the Arctic grayling in waterbodies in the vicinity of the proposed gasline corridor.

Chatanika River - spawning occurs mid-May to early June (Ref. 84).
 Mineral Lake Outlet - spawning began on 18 May 1969 and 1970 (Ref. 39).
 Mineral Lake Outlet - spawning occurred from 31 May to 7 June 1971
 (Ref. 93).
 Goodpaster River - spawning began 11 May near mouth and 18 May approximately
 50 km upstream in 1973 (Ref. 95).
 Upper Chena River - all adult female grayling were spawned out by 22 May
 1970 (Ref. 39).
 Upper Chena River - spawning began 26 May 1973 (Ref. 94).
 Jim River - grayling spawned 28 May to 11 June 1972 (Ref. 21).
 Tea Lake Outlet - spawning occurs from late May to early June (Ref. 11).
 Kuparuk River - spawning completed by 14 June (Ref. 11).
 Happy Valley Camp Creek - spawning occurred 1-10 June (Ref. 11).
 Weir Creek, Kavik River drainage - spawning occurred 11-18 June 1973
 (Ref. 106).
 Chatanika River - grayling first hatch 1 July (Ref. 84).
 Upper Chena River - first fry found 18 June 1970 (Ref. 39).
 Jim River - grayling hatched 20 June to 4 July 1972 (estimated) (Ref. 21).
 Happy Valley Camp Creek - fry emerged 25 June (Ref. 11).
 Weir Creek, Davik River drainage - fry emerged late June and early July
 1973 (Ref. 106).
 Tea Lake Outlet - hatching is completed by mid July (Ref. 11).

Migration

Shaw Creek - first grayling captured 15 March 1953; major immigration
 took place 12-23 April in 1952 and 1953 (Ref. 83).
 Little Salcha River - major immigration took place 4-13 May 1952; stream
 was ice-free 15 May 1952 (Ref. 83).
 Little Salcha River - major immigration took place 28 April to 9 May
 1953; stream was ice-free 16 May 1953 (Ref. 83).
 Chatanika River - spring migration occurs 15 May to 10 June (Ref. 84).
 Mineral Lake Outlet - grayling first entered stream 19 May 1971; major
 immigration began 25 May 1971 (Ref. 93).
 Upper Chena River - major upstream migration began 20 April 1973 (Ref. 94).
 North and South Fork Goodpaster River - first upstream migrant caught
 16 April 1973; grayling moving steadily by 29 April 1973 (Ref. 95).
 Poplar Creek near Gulkana River - adult grayling began moving into
 stream 14 May 1972; spawning run lasted 12 days (Ref. 21).
 Unnamed tributary of Jim River - grayling began upstream movement before
 25 May 1972 (Ref. 21).
 Prospect Creek - upstream spawning migration began 2 June 1972 (Ref. 21).
 Weir Creek, Kavik River drainage - grayling first entered stream 7 June
 1973 (Ref. 106).
 Chatanika River - downstream movement of fry occurs 1 August to 1 September
 (Ref. 84).
 Rosie Creek - heaviest fall emigration occurred 31 August to 4 September
 1975 (Ref. 34).
 Organo Creek - heaviest fall emigration occurred 25-29 August 1975
 (Ref. 34).

Prospect Creek - most adult grayling had left stream by 15 October 1972 but immatures were still common (Ref. 21).

Weir Creek, Kavik River drainage - peak out migration of fry and juveniles occurred 13-21 September 1973 prior to freeze-up (Ref. 106).

Lupine River - downstream migration began 2 September 1971 (Ref. 101).

PART II

SUMMARY OF FISH USE AND PRELIMINARY RECOMMENDATIONS
FOR TIMING OF CONSTRUCTION ACTIVITY

INTRODUCTION

A tabular summary has been derived from evaluation of all available fisheries data pertinent to construction of the gas pipeline by Northwest Alaskan Pipeline Company. This summary includes documented fish presence, use and recommendations that prioritize the period or periods of year when instream construction would have the least impact on aquatic fauna found at individual waterbody crossings. These recommendations can aid in preconstruction planning, design and construction scheduling.

Recommendations for timing of construction activity were based on all available fisheries data, including general and site-specific life history information for indigenous species (see Part I of this report), professional judgment and knowledge of the region traversed by the gasline. Recommendations are presented as 'preferred' and 'alternate' time periods. In general, preferred timing of construction avoids critical (instream disturbance would likely result in a fairly significant mortality to a portion of the population) and sensitive (instream construction should be limited; effects of disturbance variable) periods in fish life histories. Alternate recommendations avoid critical periods but may encompass sensitive times when fish are present (rearing). Some waterbodies are critical and/or sensitive to fish year-round. In such cases, recommendations indicate the period (or periods) that would least impact the aquatic fauna.

The words "critical" and "sensitive" are relative terms used to compare the importance of fish habitat to fish and the potential for adverse effects to fisheries resources. When habitat is utilized by fish for spawning, wintering, migrating or rearing, the habitat is considered critical and/or sensitive. An explanation of these fish uses and an assessment of their importance to fish populations follows:

Spawning: For the purposes of this report, spawning includes the spawning act, egg incubation, hatching and pre-emergent fry stages of fishes. Spawning habitat has been identified by the presence of young-of-the-year or pre-spawning, ripe or post-spawning adults. Spawning is a time of site-specific utilization of habitat and is considered a non-mobile activity. Consequently, spawning areas are extremely vulnerable to disturbance. Therefore, for the purpose of making recommendations, spawning is considered a critical fish use.

Wintering: Wintering is the utilization of habitat by fish (any life history stage, egg to adult) during some part of the winter period (generally freeze-up to break-up). Some waterbodies are undoubtedly utilized for only a short period (early winter use areas) while others provide good habitat for fish from freeze-up to breakup (overwintering areas). Wintering is generally site-specific and may involve non-mobile life history stages of fish. Wintering areas then, are highly vulnerable to disturbance, and for the purpose of this report, wintering is considered a critical fish use.

Migrating: Migrating is the utilization of aquatic habitat by fish for moving between seasonal use areas and/or habitats. Fish utilizing habitat as a migration route are generally mobile and capable of moving to avoid or reduce the effects of physical disturbance. However, disruption of major upstream spawning migrations or major emigrations, prior to freeze-up, could have extremely detrimental, and in some cases, lethal effects on fish populations (e.g. the blockage of a small tundra stream just prior to freeze-up would trap fish in upstream areas that soon dry up or freeze to the bottom at the onset of winter). Long-term seasonal migration and short-term movements associated with feeding and social behaviour may not be so adversely affected. For the purpose of this report, migrating may be sensitive or critical depending upon the magnitude and significance of the migration.

Rearing: All waterbodies containing fish are considered rearing areas. Rearing fish are generally mobile and can often move to avoid or reduce the impact of physical disturbance. Fish mobility may vary with species, size, behaviour and physical conditions within the stream, however. For example, fry are usually not as mobile as adults; some fish are sedentary while others are highly mobile; and, turbidity could affect species reaction to a disturbance. For the purpose of this report, rearing is considered a sensitive fish use.

For the purpose of making recommendations regarding timing of construction activity, the gasline corridor has been divided into three large geographical regions: Region I, Beaufort Sea to the Continental Divide of the Brooks Range; Region II, Continental

Divide of the Brooks Range to the Yukon River; Region III, Yukon River to the Canadian Border. The following broad temporal guidelines for recommendations were developed for each gasline corridor region based on fish utilization of habitat.

Region I	1 May - 20 July	A critical period for most streams due to the occurrence of major spring migrations and spring spawning (primarily grayling).
Region II	15 April - 15 July	
Region III	1 April - 15 July (early breakup streams) 15 April - 15 July (late breakup streams)	
Region I	20 July - 25 August	A sensitive period. Fry of spring spawning species have emerged and major fall emigrations have not yet begun. Fish are mobile at this time and can move to avoid or reduce effects of disturbance.
Region II	15 July - 25 August	
Region III	15 July - 1 September	
Region I	25 August - 01 October (small streams)	A critical period for all streams. Fish must emigrate from streams that do not provide winter habitat prior to freeze-up. Major upstream migrations and spawning of fall spawning species occurs in streams that provide overwintering habitat.
	25 August - 15 October (large streams)	
Region II	25 August - 01 October (small streams)	
	25 August - 15 October (large streams)	
Region III	1 September - 1 November	

Region I	1 October - 1 May (small streams)	A preferred period for construction in many streams that do not provide winter habitat. These streams generally are dry or freeze to the bottom during winter. This is a critical period for fish overwintering in springs, large rivers and lakes.
	15 October - 1 May (large streams)	
Region II	15 October - 15 April (small streams)	
	1 November - 15 April (large streams)	
Region III	1 November-1 April (early breakup streams)	
	1 November-15 April (late breakup streams)	

Due to the immense number of waterbodies (primarily streams) traversed by the proposed gasline, a wide spectrum of stream types is encountered (i.e., size, flow regime, species present, water source, water chemistry, etc.). Many streams are similar in nature and can be adequately protected by the guidelines developed above. However, each waterbody is unique and not all fall into such clearly definable categories. Little information is available for some streams making specific detailed recommendations improbable. In addition, recommendations must take into account natural variability (i.e. effects of weather on fish and their environment). Consequently, recommendations for timing of construction activity presented in this report are considered conservative and favor fisheries resources when adequate information is not available to properly assess the fishery resource status of the waterbody involved. Recommendations are based on biological consideration only and do not take into account other aspects of a large construction project (i.e. engineering, economics, etc.). It is important to note that recommendations in this report can be more flexible if 1) suitable mitigative measures alleviate the particular fisheries concerns, or 2) additional data clarifies the fish use status of some streams.

All waterbodies crossed or potentially affected by the proposed gas pipeline route are presented in a south to north geographic sequence beginning at the Alaska/Canada border and ending at Prudhoe Bay. The appropriate Northwest Pipeline Stream Identification (NPSI) number (Ref. 42) has been used to identify each waterbody crossing or waterbody potentially affected by pipeline construction. Site specific fishery information may be found on the referred text page.

Fish species are abbreviated following Rockwell and Johnson (Ref. 11). For ease of reference, fish species found in the study area and appropriate symbols are as follows:

AB	Alaska blackfish (<i>Dallia pectoralis</i>)
AC	Arctic char (<i>Salvelinus alpinus</i>)
AL	Arctic lamprey (<i>Lampetra japonica</i>)
BB	Burbot (<i>Lota lota</i>)
BW	Broad whitefish (<i>Coregonus nasus</i>)
CA	Arctic cisco (<i>Coregonus autumnalis</i>)
CD	Sculpin (<i>Cottus sp.</i>)
CI	Cisco (<i>Coregonus sp.</i>)
CN	Slimy sculpin (<i>Cottus cognatus</i>)
CS	Least cisco (<i>Coregonus sardinella</i>)
DS	Chum salmon (<i>Oncorhynchus keta</i>)
DV	Dolly Varden (<i>Salvelinus malma</i>)
GR	Arctic grayling (<i>Thymallus arcticus</i>)
BW	Humpback whitefish (<i>Coregonus pidschian</i>)
IN	Inconnu (<i>Stenodus leucichthys</i>)
KS	King salmon (<i>Oncorhynchus tshawytscha</i>)
LC	Lake chub (<i>Couesius plumbeus</i>)
LS	Longnose sucker (<i>Catostomus catostomus</i>)
LT	Lake trout (<i>Salvelinus namaycush</i>)
NP	Northern pike (<i>Esox lucius</i>)
PS	Pink salmon (<i>Oncorhynchus gorbuscha</i>)
RW	Round whitefish (<i>Prosopium cylindraceum</i>)
SB	Stickleback (Family Gasterosteidae)
S9	Ninespine stickleback (<i>Pungitius pungitius</i>)
SS	Coho salmon (<i>Oncorhynchus kisutch</i>)
TP	Trout-perch (<i>Percopsis omiscomaycus</i>)
WF	Whitefish (<i>Coregonus</i> or <i>Prosopium sp.</i>)
X	Fish present but species not identified

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TABULAR SUMMARY

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	6-227.03	142	None	None	1 Jan-31 Dec	None necessary	Construction activity may affect fish in downstream areas
Unnamed Creek	6-227.02	143	HW,LS,NP	Migrating Rearing	1 Nov-15 Apr	1 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 1 Jul- 1 Sep	Present alignment is tangent to bend in stream. Recommend realignment to other side of Alaska Highway.
Unnamed Pond	6-227.01	144	BB	Rearing	1 Jan-31 Dec	None necessary	Pond is fish trap. Access to pond from Scottie Creek should be eliminated.
Scottie Creek	6-227	145	BB,HW,LS, NP	Migrating Rearing Wintering	15 Jun- 1 Sep	1 Sep- 1 Nov	This stream is important to fish year-round.
Desper Creek	6-226	147	NP	Rearing	1 Nov-15 Apr	15 Jun- 1 Sep	Data gap present
Unnamed Creek	6-225.01	148	None	None	1 Jan-31 Dec	None necessary	
Sweetwater Creek	6-225	149	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-224	150	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	6-223	151	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-223	152	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-222	153	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Gardiner Creek	6-219	154	CN,GR,LS	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	
Termile Creek	6-218	155	None	Unknown	1 Nov-15 Apr	15 Apr-31 Oct	Good habitat but numer- ous surveys have failed to document fish use.
Silver Creek	6-217	156	NP	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
Unnamed Creek	6-216.01	157	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6.216.01	158	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	6-216	159	None	None	1 Jan-31 Dec	None necessary	
Beaver Creek	6-215	160	GR,LS,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	
Unnamed Creek	6-214.01	161	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-213.01	162	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-213	163	None	None	1 Jan-31 Dec	None necessary	
Bitters Creek	6-212	164	CD,GR,LS NP,RW,WF	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov	No fish at gasline crossing but construction may affect fish downstream.
Unnamed Creek	6-210.02	165	None	None	1 Jan-31 Dec	None necessary	Data gap present
Unnamed Creek	6-210.01	166	None	None	1 Jan-31 Dec	None necessary	Data gap present
Unnamed Creek	6-210	167	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-209	168	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Tanana River	6-207A/B	169	BB,CN,GR, HW,LC,LS, NP,RW	Migrating Rearing Spawning Wintering	15 Jun- 1 Sep	None	This stream is important to fish year-round.
Tanana River Alt.#1	6-207C	171	BB,CN,GR, HW,LC,LS, NP,RW	Migrating Rearing Spawning Wintering	15 Jun- 1 Sep	None	This stream is important to fish year-round.
Tanana River Alt.#2	6-208	173	BB,CN,GR, HW,LC,LS, NP,RW	Migrating Rearing Spawning Wintering	15 Jun- 1 Sep	None	This stream is important to fish year-round.
Tok River	6-205	175	BB,CN,GR, LC,LS,RW, WF	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-1 Sep	
Crystal Slough Creek	6-203.03	177	CN,GR,NP, LS,X	Migrating Rearing Spawning	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Good habitat during winter but no fish have been caught.
Unnamed Creek	6-203.02	178	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-203.01	179	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	6-203	180	None	None	1 Jan-31 Dec	None necessary	
Moon Lake							
Tributary #1	6-202	181	None	None	1 Jan-31 Dec	None necessary	
Tributary #2	6-202	182	None	None	1 Jan-31 Dec	None necessary	
Yerrick Creek	6-201	183	CN,DV,GR, RW	Migrating Rearing Wintering	15 Jul- 1 Sep	1 May- 1 Nov	This stream is impor- tant to fish year- round.
Unnamed Creek	6-200.01	184	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-200	185	None	None	1 Jan-31 Dec	None necessary	
Cathedral Rapids Creek #1	6-199	186	None	None	1 Jan-31 Dec	None necessary	
Cathedral Rapids Creek #2	6-198	187	None	None	1 Jan-31 Dec	None necessary	
Cathedral Rapids Creek #3	6-197B	188	None	None	1 Jan-31 Dec	None necessary	
Cathedral Rapids Creek #4	6-197A	189	None	None	1 Jan-31 Dec	None necessary	

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Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Cathedral Rapids Creek #5	6-197	190	None	None	1 Jan-31 Dec	None necessary	
Cathedral Rapids Creek #6	6-196	191	None	None	1 Jan-31 Dec	None necessary	
Cathedral Rapids Creek #7	6-195	192	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	6-193.01	193	GR,LC,LS, NP,RW	Rearing	1 Jan-31 Dec	None necessary	Avoid downstream areas. See assessment.
Unnamed Creek	6-192.01	194	None	None	1 Jan-31 Dec	None necessary	
Sheep Creek	6-191	195	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	5-190	196	None	None	1 Jan-31 Dec	None necessary	
Robertson River	5-187	197	CH,GR,LC, WF	Migrating Rearing	15 Nov- 1 Apr	1 Jun-15 Nov if fish passage is adequate to allow for emigration; otherwise, 1 Jun- 1 Sep	Winter construction may affect fish in downstream overwintering areas of the Tanana River.
Unnamed Creek	5-185.03	198	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	5-185.02	199	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	5-185.01	200	None	None	1 Jan-31 Dec	None necessary	
Bear Creek	5-185	201	CN,DV,GR, LS	Migrating Rearing Spawning	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	
Chief Creek	5-184	202	GR	Rearing	1 Oct-15 Apr	15 Apr- 1 Oct	Data inconclusive; Additional investiga- tions recommended.
Unnamed Creek	5-183	203	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	5-182	204	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	5-181	205	None	Unknown	1 Sep-15 Apr	15 Apr- 1 Sep	Good habitat but in- vestigations have failed to document fish use.
Sam Creek	5-180	206	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	5-179	207	CN,GR,LS, RW	Rearing	1 Jan-31 Dec	None necessary	Fish do not get as far upstream as proposed gasline.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Berry Creek	5-178	209	BB,CN,DV, GR,LS,RW	Migrating Rearing Spawning Wintering	1 Aug- 1 Sep	10 Jul-31 Oct	This stream is important to fish year-round.
Sears Creek	5-177	211	GR,LS	Migrating Rearing Spawning Wintering	15 Jul- 1 Sep	1 Sep- 1 Nov	This stream is important to fish year-round.
Unnamed Creek	5-176.01	213	None	None	1 Jan-31 Dec	None necessary	
Dry Creek	5-176	214	None	None	1 Jan-31 Dec	None necessary	Avoid spring breakup and periods of extreme high run-off.
Johnson River	5-175	215	GR,LC,RW	Migrating Rearing	15 Nov- 1 Apr	15 Jun-15 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jun- 1 Sep	Data gap present
Little Gerstle River	5-174	217	CN,GR,LS, RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Gerstle River	5-172	218	GR	Migrating Rearing	1 Nov- 1 Apr	1 Jun- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 1 Jun- 1 Sep	Avoid low clear water periods.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Sawmill Creek	5-171	219	None	None	1 Jan-31 Dec	None necessary	
Rhoads Creek	5-170	220	None	None	1 Jan-31 Dec	None necessary	
Granite Creek	5-169	221	None	None	1 Jan-31 Dec	None necessary	
Tanana River	5-166	222	BB,BW,CI, CN,CS,DS, GR,HW,KS, LC,LS,NP, RW,SS	Migrating Rearing Spawning Wintering	15 Jun- 1 Jul	1 Jul-15 Aug	This stream is impor- tant to fish year- round.
Side channel of Tanana River	5-165.01	223	DS,GR,HW, LS,X	Migrating Rearing Spawning Wintering	15 Jun- 1 Jul	1 Jul-15 Aug	This stream is impor- tant to fish year- round.
Shaw Creek	5-165	225	BB,GR,HW, RW	Migrating Rearing Spawning Wintering	15 Jul- 1 Sep	1 Jul-15 Jul	This stream is impor- tant to fish year- round.
Rosa Creek #1	5-164	226	GR,WF	Migrating Rearing Spawning	1 Nov-15 Apr	1 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 1 Jul- 1 Sep	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
West Branch Keystone Creek	5-163	227	GR	Migrating Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Rosa Creek #2	5-162	228	None	Unknown	1 Sep-15 Apr	1 Jul- 1 Sep	Data gap present
Rosa Creek #3	5-162	229	None	Unknown	1 Sep-15 Apr	1 Jul- 1 Sep	Data gap present
Rosa Creek #4	5-162	230	None	Unknown	1 Sep-15 Apr	1 Jul- 1 Sep	Data gaps present
South Fork Minton Creek #1	5-161	231	None	None	1 Jan-31 Dec	None necessary	
South Fork Minton Creek #2	5-161	232	None	None	1 Jan-31 Dec	None necessary	
South Fork Minton Creek #3	5-161	233	None	None	1 Jan-31 Dec	None necessary	
South Fork Minton Creek #4	5-161	234	None	None	1 Jan-31 Dec	None necessary	Fish may reach as far upstream as this cross- ing in some years.

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
South Fork Minton Creek #5	5-161	235	None	None	1 Jan-31 Dec	None necessary	Fish may reach as far upstream as this cross- ing in some years. Avoid high water periods.
South Fork Tributary Minton Creek	5-161	236	None	None	1 Jan-31 Dec	None necessary	
South Fork Minton Creek #6	5-161	237	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
South Fork Minton Creek #7	5-161	238	GR	Migrating Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
North Fork Minton Creek #1	5-161	239	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
North Fork Minton Creek #2	5-161	240	None	None	1 Nov- 1 Apr	1 Apr- 1 Nov	This stream crossing may be used during some years. Construction may affect downstream fish use areas.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
North Fork Minton Creek #3	5-161	241	None	None	1 Jan-31 Dec	None necessary	Avoid construction during spring and periods of extreme high run-off.
North Fork Minton Creek #4	5-161	242	None	None	1 Jan-31 Dec	None necessary	Avoid construction during spring and periods of extreme high run-off.
Gold Run Creek	5-160	243	None	None	1 Jan-31 Dec	None necessary	
Small Creek	5-159.02	244	None	None	1 Jan-31 Dec	None necessary	
Tributary to Small Creek	5-159.01	245	None	None	1 Jan-31 Dec	None necessary	
Redmond Creek	5-159	246	BB,GR,RW	Migrating Rearing Spawning	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	
Unnamed Tributary to Salcha River	5-158.03	247	None	None	1 Jan-31 Dec	None necessary	
TAPS Slough	4.158.02	248	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Slough	4-158.01	249	None	None	1 Jan-31 Dec	None necessary	Alignment should avoid downstream rearing and wintering areas.
Salcha River	4-158	250	AL,BB,CN US,GR,KS, LS,RW,SB	Migrating Rearing Spawning Wintering	1 Jun-10 Jul	None	This stream is important to fish year-round.
Oxbow Slough	4-157.02	252	None	None	1 Jan-31 Dec	None necessary	Avoid downstream areas of this slough.
Two-Nineteen Creek	4-157.01	253	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Little Salcha River	4-157	254	CN,GR	Migrating Rearing Spawning	15 Jul- 1 Sep	1 Oct- 1 Nov	Further winter work recommended. This stream may be sensitive and/or critical to fish year-round.
Tributary to Little Salcha River	4-156.05	255	None	None	1 Jan-31 Dec	None necessary	
Tributary to Million Dollar Creek	4-156.04	256	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Million Dollar Creek	4-156.03	257	CN,GR	Migrating Rearing Spawning	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Million Dollar Creek #2	4-156.02	258	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
Million Dollar Creek #3	4-156.01	259	CN,GR	Migrating Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Million Dollar Creek #4	4-156	260	CN,GR,NP	Migrating Rearing Spawning	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	
French Creek #0	4-155	261	CN,GR	Migrating Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Knokanpcover Creek	4-154	262	GR	Migrating Rearing Spawning	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
French Creek #1	4-153	263	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
French Creek #2	4-152	264	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
French Creek #3	4-151	265	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
French Creek #4	4-150	266	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
French Creek #5	4-149	267	GR	Rearing	1 Nov- 1 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
Bear Lake Outlet	4-148.01	268	None	None	1 Jan-31 Dec	None necessary	

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Moose Creek #1	4-148	269	GR,HW,LS, NP,WF	Migrating Rearing Spawning Wintering	15 June- 1 Sep	None	
Moose Creek #2	4-147	271	BB,GR,HW, RW	Migrating Rearing	15 Jun- 1 Sep	None	Data gap present
Moose Creek #3	4-146	273	BB,GR,LS	Migrating Rearing Wintering	15 Jun- 1 Sep	None	Data gap present
Unnamed Creek	4-145.04	275	None	None	1 Jan-31 Dec	None necessary	
Unnamed Creek	4-145.03	276	None	None	1 Jan-31 Dec	None necessary	
Ess Shaped Slough	4-145.02	277	None	None	1 Jan-31 Dec	None necessary	
Seventeen-twenty Slough	4-145.01	278	None	None	1 Jan-31 Dec	None necessary	
Seventeen-thirty Slough	4-145	279	None	None	1 Jan-31 Dec	None necessary	
Isolated Slough	4-144.01	280	None	None	1 Jan-31 Dec	None necessary	Avoid slough when the Chena River is flood- ing.

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Chena River	4-144	281	AL,BB,BW, CN,CS,DS, GR,HW,IN, KS,LS,NP, RW,SK,SS, WF	Migrating Rearing Spawning Wintering	15 Jul- 1 Nov	None	This stream is impor- tant to fish year- round
Steele Creek	4-143	282	None	None	1 Jan-31 Dec	None necessary	
Engineer Creek	4-142	283	None	None	1 Jan-31 Dec	None necessary	Construction activity may affect fish popu- lations downstream.
Goldstream Creek	4-141	284	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Treasure Creek	4-140	285	None	None	1 Nov-15 Apr	15 Apr- 1 Nov	Good fish habitat but surveys have failed to document fish use.
Chatanika River	4-139	286	AB,BB,CN, CS,DS,GR, HW,IN,KS, LS,NP,RW	Migrating Rearing Spawning Wintering	15 Jul- 1 Sep	None	This stream is impor- tant to fish year- round.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Shocker Creek	4-138	287	CN,GR,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Unnamed Tributary to Shocker Creek #1	4-137.06	288	None	None	1 Jan-31 Dec	None necessary	
Unnamed Tributary to Shocker Creek #2	4-137.05	289	None	None	1 Jan-31 Dec	None necessary	
Unnamed Tributary to Shocker Creek #3	4-137.04	290	None	None	1 Jan-31 Dec	None necessary	
Unnamed Tributary to Chatanika River #1	4-137.03	291	None	None	1 Jan-31 Dec	None necessary	
Unnamed Tributary to Chatanika River #2	4-137.02	282	None	None	1 Jan-31 Dec	None necessary	
Unnamed Tributary to Chatanika River #3	4-137.01	293	None	None	1 Jan-31 Dec	None necessary	
Washington Creek	4-137	294	GR	Migrating Rearing Wintering	15 Jul- 1 Sep	1 Oct- 1 Nov	This stream is impor- tant to fish year- round.

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Tributary to Washington Creek	4-136.01	295	None	None	1 Jan-31 Dec	None necessary	Data gap present
South Fork Aggie Creek	4-136	296	None	None	1 Jan-31 Dec	None necessary	Construction activity may affect fish in downstream areas.
North Fork Aggie Creek	4-135	297	None	None	1 Jan-31 Dec	None necessary	Construction activity may affect fish in downstream areas.
Tributary to Little Globe Creek	4-134.01	298	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present
Little Globe Creek	4-134	299	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present
Unnamed Tributary to Little Globe Creek	4-133.01	300	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Globe Creek	4-133	301	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present
Unnamed Tributary to Globe Creek	4-132.02	302	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present
Unnamed Tributary to Tatalina River	4-132.01	303	None	Unknown	15 Jul- 1 May	None	Data gap present
Tatalina River	4-132	304	BB,CI,GR, IN,NP,WF	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present
Tributary of Slate Creek	4-131.01	305	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present
Slate Creek	4-131	306	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
Ski Jump Ramp Creek	4-130	307	None	Unknown	1 Nov- 1 May	15 Jul- 1 Nov	Data gaps present

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Wilber Creek	4-129	308	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gap present
Tributary of Wilber Creek	4-128.04	309	None	Unknown	1 Nov- 1 May	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise 15 Jul- 1 Sep	Data gaps present
Shorty Creek	4-128.03	310	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct	Data gaps present
Tributary of Shorty Creek	4-128.02	311	None	None	1 Jan-31 Dec	None necessary	Data gaps present
Tributary to Tolovana River	4-128.01	312	None	Unknown	1 Sep- 1 May	15 Jul- 1 Sep	Data gaps present
Tolovana River	4-128	313	GR	Migrating Rearing	15 Nov-15 Apr	15 Jul-15 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Unnamed Tributary to West Fork Tolovana River	4-127.01	314	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct	Data gaps present
Lost Creek	4-127	315	X	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Erickson Creek Tributary	4-126	316	None	Unknown	15 Jul-15 Apr	None	Data gap present
Erickson Creek #1	4-4125	317	GR,LS,X	Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Unnamed Lake Outlet	4-124.01	318	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
Erickson Creek #2	4-124	319	GR,LS,X	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Hess Creek Tributary	4-123.05	320	None	Unknown	15 Jul-15 Apr	None	Data gap present
Hess Creek	4-123A.04	321	CN,GR	Migrating Rearing	15 Nov-15 Apr	15 Jul-15 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Fish Creek	4-123.03	322	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 15 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	4-123.02	323	None	Unknown	1 Sep- 1 May	1 Jul- 1 Sep	Data gap present
Unnamed Creek	4-123.01	324	None	Unknown	15 Jul-15 Apr	None	Data gap present
Unnamed Creek	4-123	325	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
Unnamed Creek	3-122.05	326	None	Unknown	1 Jul- 1 May	1 May- 1 Jul	Data gap present
Unnamed Creek	3-122.04	327	None	Unknown	15 Jul-15 Apr	None	Data gap present
Hot Cat Creek	3-122.03	328	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gaps present
Unnamed Creek	3-122.02	329	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov	Data gaps present
Unnamed Creek	3-122.01	330	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov	Data gaps present
Isom Creek #1	3-122	331	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov	Data gaps present
Isom Creek #2	3-121.02	332	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Isoni Creek #3	3-121.01	333	X	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov	Data gaps present
Tributary to Isoni Creek	3-121	334	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov	Data gaps present
Yukon River	3-120	335	AL,BB,CN, DS,GR,IN, KS,LC,LS, NP,RW,SS, TP	Migrating Rearing Spawning Wintering	1 Aug- 1 Nov	None	This river is extreme- ly important to the fisheries resources of Alaska.
Burbot Creek	3-119	336	BB	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-15 Aug	Data gaps present
Woodchopper Creek	3-118	337	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Phelps Creek	3-117	338	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	3-112	339	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Fort Hamlin Hills Creek	3-111	340	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Unnamed Creek	3-110.01	341	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
North Fork Ray River	3-110	342	BB,CD,GR, LS,NP,RW	Migrating Rearing Spawning Wintering	15 Jul- 1 Sep	1 Sep-31 Oct	This stream is important to fish year-round. Data gap present
Fed Creek	3-109	343	None	Unknown	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
South Branch West Fork Dall River	3-108	344	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Middle Branch West Fork Dall River	3-107	345	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Smoky Creek	3-106.02	346	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Unnamed Creek	3-106.01	347	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Finger Mountain Creek	3-106	348	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Olson's Lake Creek	3-105	349	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Caribou Mountain Creek	3-104	350	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Kanuti River	3-103	351	BB,CN,GR	Migrating Rearing Spawning	15 Nov-15 Apr	15 Jul-15 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul- 1 Sep	Data gap present
Netsch's Creek Tributary #1	3-102	353	None	Unknown	1 Oct- 1 May	15 Jul- 1 Oct	Data gaps present
Netsch's Creek Tributary #2	3-101	354	None	Unknown	1 Oct- 1 May	15 Jul- 1 Oct	Data gaps present
Netsch's Creek Tributary #3	3-100.01	355	None	Unknown	1 Oct- 1 May	15 Jul- 1 Oct	Data gaps present
South Fork Fish Creek	3-100	356	CN,GR	Migrating Rearing Spawning Wintering	15 Jul-25 Aug	1 Oct- 1 Nov	This stream is impor- tant for fish year- round. Data gap present
Middle Fork Fish Creek	3-99	357	GR,RW	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Fish Creek	3-98	358	CD,GR,LS, RW,WF	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Alder Mountain Creek	3-97	359	CN	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Pung's Crossing Creek #1	3-96.01	360	GR	Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Pung's Crossing Creek #2	3-96	361	GR	Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
South Fork Bonanza	3-95	362	BB,CN,GR LS,NP,RW	Migrating Rearing Spawning Wintering	15 Jul-25 Aug	1 Oct- 1 Nov	This stream is impor- tant for fish year- round.
Unnamed Bonanza Creek Channel	3-94.02	363	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 July-25 Aug	Data gaps present
Oxbow Lake System	3-94.01	364	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
North Fork Bonanza Creek	3-94	365	CN,GR,LS, NP,RW	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	
South Fork of the Little Nasty	3-93	366	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
The Little Nasty Creek	3-92	367	CN,GR,RW	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Prospect Creek	3-91	368	CN,GR,KS, NP,RW	Migrating Rearing Spawning Wintering	1 Aug- 1 Sep	1 Sep- 1 Nov	This stream is impor- tant for fish year- round.
Little Piddler Creek	3-90.03	370	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Jim River Side Channel #1	3-90.02	371	BB,CN,DS, GR,IW,KS, LS,NP,RW	Migrating Rearing Spawning Wintering	None	None	This stream is impor- tant for fish year- round.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Jim River Side Channel #2	3-90.01	372	BB,CN,DS, GR,IW,KS, LS,NP,RW	Migrating Rearing Spawning Wintering	None	None	This stream is impor- tant for fish year- round.
Douglas Creek	3-89	373	CD,GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Dee Creek	3-88	374	CN,GR,RW	Migrating Rearing	15 Jul-25 Aug	1 May- 1 Nov	Data gaps present Possible overwinter- ing area.
Beaver Springs #1	3-87.02	375	CN,GR,KS, RW	Migrating Rearing Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	This stream is impor- tant for fish year- round. Data gaps present.
Beaver Springs #2	3.87.01	376	CN,GR,RW	Rearing	15 Jul-25 Aug	25 Aug- 1 Nov	This stream is impor- tant to fish year- round.
Jim River #3	3-87	377	BB,CN,DS, GR,IW,KS, LS,NP,RW	Migrating Rearing Spawning Wintering	None	None	This stream is impor- tant to fish year- round.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Inlet to Grayling Lake	3-86.04	378	GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Avoided Lake Inlet	3-86.03	379	None	None	1 Jan-31 Dec	None necessary	May be used sporadically during periods of high water.
Grayling Lake Creek	3-86.02	380	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Unnamed Creek	3-86.01	381	GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Abba-dabba Creek	3-86	382	CN,GR	Migrating Rearing Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	This stream may be important to fish year-round. Data gap present.
South Fork Koyukuk	3-85	383	CN,DS,GR, KS,SK,WF	Migrating Rearing Spawning Wintering	5 Jun- 5 Jul	None	This stream is important to fish year-round.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Crossroads Creek #1	3-82.03	384	None	Unknown	15 Oct-15Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Crossroads Creek #2	3-82.02	385	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Crossroads Creek #3	3-82.01	386	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Crossroads Creek #4	3-82	387	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Chapman Creek	3-81	388	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
South Fork Windy Arm Creek	3-80	389	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
North Fork Windy Arm Creek	3-79	390	CN,GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Unnamed Creek	3-78.01	391	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Trent's Trickle	3-78	392	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Jackson Slough East Channel #1	3-77.02	393	CN,GR,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 1 Jul-25 Aug	Data gap present
Jackson Slough Cross Channel	3-77.01	394	CN,GR,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Jackson Slough East Channel #2	3-77	395	CN,GR,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Rosie Creek	3-74	396	CD,CN,DV, GR,RW	Migrating Rearing Spawning Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	This stream may be important to year round.
First Creek #1	3-72.06	397	CN,GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
First Creek #2	3-72.05	398	CN,GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
East Fork Spring Slough	3-72.04	399	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Spring Slough #1	3-72.03	400	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Spring Slough #2	3-72.02	401	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Spring Slough #3	3-72.01	402	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Slate Creek	3-72	403	CN,DV,GR, RW	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Calf Creek	3-71	404	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
South Fork Clara Creek Overflow	3-70.01	405	CN,GR,WF	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Clara Creek Overflow	3-70	406	GR,RW	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Clara Creek #1	3-69.01	407	GR,X	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Clara Creek #2	3-69	408	GR,X	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Equisetum Creek	3-68	409	GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Organo Creek	3-67	410	DV,GR	Migrating Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Unnamed Creek	3-65.01	411	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
South Fork Mary Angel Creek	3-65	412	CN,GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Mary Angel Creek	3-63.04	413	BB,CN,GR, LS,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
South Fork Sharon Creek	3-63.03	414	GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Sharon Creek #1	3-63.02	415	None	Unknown	15 Jul-15 Apr	None	Data gap present
Sharon Creek #2	3-63.01	416	None	Unknown	15 Jul-15 Apr	None	Data gap present
Marion Creek	3-63	417	CD,DV,GR	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
North Marion Creek Overflow #1	3-62.04	418	None	Unknown	15 Jul-15 Apr	None	Data gap present
North Marion Creek Overflow #2	3-62.03	419	None	Unknown	15 Jul-15 Apr	None	Data gap present
North Marion Creek Overflow #3	3-62.02	420	None	Unknown	15 Jul-15 Apr	None	Data gap present
Pence's Pond Creek	3-62.01	421	GR	Migrating Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Confusion Creek	3-61.02	422	GR	Rearing	1 Nov- 1 May	1 Jul- 1 Nov	Data gaps present Fish may not be present during May and June
North Fork Confusion Creek	3-61.01	423	GR	Migrating Rearing	15 Oct- 1 May	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Minnie Creek	3-61	424	BB,CN,GR	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Middle Fork Koyukuk River	2-60.19	425	CN,DV,GR,LS,RW	Migrating Rearing Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	Data gap present This stream is important year round to fish.
Union Gulch Creek #1	2-60.18	426	CD,GR,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Union Gulch Creek #2	2-60.17	427	CD,GR,RW	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Confederate Gulch	2-60.16	428	GR	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
North Fork Confederate Gulch Creek	2-60.15	429	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct	Data gaps present
Hammond River	2-55	430	CN,DV,GR, WF	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Middle Fork Koyukuk River Anabranh	2-60.14	431	None	Unknown	15 Oct-15 Apr	1 Sep-15 Oct	Data gaps present
Middle Fork Koyukuk River	2-60.13	432	CN,DV,GR, LS,RW	Migrating Rearing Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	Data gap present This stream is important to fish year round.
Richardson's Slough #1	2-60.11	433	GR,RW	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Richardson's Slough #2	2-60.11	434	GR,RW	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Over Creek #1	2-60.10	435	BB,GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Over Creek #2	2-60.09	436	BB,GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Over Creek #3	2-60.08	437	BB,GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Over Creek #4	2-60.07	438	BB,GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Alignment Slough #1	2-60.06	439	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Alignment Slough #2	2-60.05	440	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Alignment Slough #3	2-60.04	441	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Alignment Slough #4	2-60.03	442	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Alignment Slough #5	2-60.02	443	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Alignment Slough #6	2-60.01	444	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Nugget Creek	2-60	445	CN,GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Wolf Pup Creek	2-59	446	CN	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Sheep Creek	2-53	447	CN,GR	Migrating Rearing	15 Sep-15 Apr	15 Jul-15 Aug	Data gap present
Cushing Creek	2-52.01	448	None	Unknown	15 Sep-15 Apr	15 Jul-15 Aug	Data gaps present
Gold Creek	2-52	449	GR,X	Migrating Rearing Spawning	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Linda Creek	2-51	450	CN,GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Valve Site Creek	2-49.07	451	None	Unknown	15 Jul-15 Apr	15 Jun-15 Jul	Data gap present
Rocky Creek #1	2-49.06	452	CN,GR	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Rocky Creek #2	2-49.05	453	CN,GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Grayling spawning at Rocky Creek #1

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Rocky Creek #3	2-49.04	454	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Grayling spawning at Rocky Creek #1
Sukakpak Creek	2-49-03	455	GR	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
North Fork Sukakpak Creek	2-49.02	456	X	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Unnamed Creek	2-49.01	457	GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Middle Fork Koyukuk River	2-49	458	CN,DV,GR, LS,RW	Migrating Rearing	15 Jul-25 Aug	None	This stream is important to fish year-round.
Wayback Creek	2-48.04	459	GR	Migrating Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Millie's Meander	2-48.03	460	CN,GR	Migrating Rearing	15 Oct-15 Apr	15 Jul-15 Oct of fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Unnamed Creek	2-48.02	461	GR	Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Eva's Alv	2-48.01	462	GR	Migrating Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Dietrich River	2-48	463	BB,CN,GR, LS,RW,X	Migrating Rearing Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	This stream is important to fish year-round.
1415 Lake Inlet	2-46.01	465	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Brockman Creek	2-46	466	CN,DV,GR	Rearing	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Steitz Lake Outlet	2-45.04	467	CD,GR,LS	Migrating Rearing Spawning	1 Nov-15 Apr	15 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
South Branch Airport Creek	2-45.03	468	GR	Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Middle Tributary Airport Creek	2-45.02	469	GR	Migrating Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Airport Creek	2-45.01	470	DV,GR	Migrating Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Disaster Creek	2-45	471	CN,GR	Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Unnamed Creek	2-43.07	472	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Trap Slough	2-43.06	473	X	Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Dietrich River	2-43.05	474	BB,CN,GR, LS,RW	Migrating Rearing Spawning	15 Jul-25 Aug	25 Aug- 1 Nov	This stream is important to fish year-round.
Dietrich River	2-43.04	475	BB,CN,GR, LS,RW	Migrating Rearing Spawning	15 Jul-25 Aug	25 Aug- 1 Nov	This stream is important to fish year-round.
Sahr's Slough	2-43.03	476	X	Wintering	15 Jul- 1 Sep	1 Oct- 1 Nov	Data gaps present
Meadow Slough	2-43.02	477	X	Migrating Rearing	15 Oct- 1 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Unnamed Creek	2-43.01	478	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Snowden Creek	2-43	479	CN,GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	2-41.05	480	GR	Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Snowden Pond Outlet	2-41.04	481	GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Numbers Lake Creek	2-41.03	482	CD,GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Dunder's Dribble	2-41.02	483	CN,GR	Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Stanzla Creek	2-41.01	484	GR	Migrating Rearing Spawning	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Ugh Creek	2-41	485	GR	Migrating Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	2-39.01	486	GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Steep Creek	2-39	487	None	Unknown	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Buff Creek	2-38	488	None	Unknown	15 Jul-15 Apr	None	Data gap present
Burger's Bayou	2-36.02	489	CN,DV,GR	Rearing Wintering	15 Jul-25 Aug	None	This stream is important to fish year-round.
Drainage Material Site #106	2-36.01	490	CN,GR	Rearing Wintering	15 Jul- 1 Nov	None	Daga gap present This drainage is impor- tant to fish year-round.
Unnamed Creek	2-36	491	GR	Rearing	15 Jul-15 Apr	None	Data gaps present
Dietrich River Floodplain	2-34.06	492	CU,DV,GR	Migrating Rearing Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	This stream is important to fish year-round.

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Beaver Dam Brook #1	2-34.05	494	GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Beaver Dam Brook #2	2-34.04	495	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Beaver Dam Brook #3	2-34.03]	496	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Beaver Dam Brook #4	2-34.02	497	None	Unknown	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Beaver Dam Brook #5	2-34.01	498	X	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Nutirwik Creek	2-34	499	GR	Migrating Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Dietrich River Floodplain	2-32.06	500	CN,DV,GR	Migrating Rearing Spawning Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	Data gap present This stream is important to fish year-round.
Unnamed Spring	2-32.05	502	GR	Rearing Wintering	15 Jul- 1 Nov	None	Data gaps present
Dietrich River	2-32.04	503	None	Unknown	15 Jul-25 Aug	25 Aug- 1 Nov	Data gaps present
Dietrich River Floodplain	2-32.03	505	None	Unknown	15 Jul-25 Aug	25 Aug- 1 Nov	Data Gaps present
Overwintering Creek	2-32.02	507	BB,CN,DV, GR	Migrating Rearing Spawning Wintering	15 Jul-25 Aug	None	This stream is important to fish year-round.
Dietrich River Floodplain	2-32.01	508	CN,DV,GR	Migrating Rearing Wintering	15 Jul-25 Aug	25 Aug- 1 Nov	This stream is important to fish year-round.
Oskar's Eddy	2-31	509	DV	Migrating Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Unnamed Creek	2-30.02	510	None	Unknown	15 Jul-15 Apr	None	Data gap present

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Bear Track Creek	2-30.01	511	DV	Migrating Rearing	1 Oct-15 Apr	15 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
Dietrich River Floodplain	2-29.03	512	GR,RW	Migrating Rearing	1 Dec-15 Apr	15 Jul- 1 Dec if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Dietrich River	2-29.02	513	GR	Migrating Rearing	1 Dec-15 Apr	15 Jul- 1 Dec if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gap present
Andy's Creek	2-29.01	514	DV,GR	Rearing	15 Oct-15 Apr	15 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 15 Jul-25 Aug	Data gaps present
West Fork of North Fork Chandalar River	2-29	515	CN,GR	Migrating Rearing Wintering	20 Jul-25 Aug	25 Aug-15 Oct	This area may be impor- tant to fish year-round.
West Fork of North Chandalar River Floodplain	2-28	516	CN,GR	Migrating Rearing	15 Oct-15 Apr	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
West Fork of North Fork Chandalar River Floodplain	2-28	517	X	Rearing	15 Oct-15 Apr	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Atigun River Floodplain	2-27	518	GR,X	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Unnamed Creek	2-26	519	None	Unknown	20 Jul- 1 May	None	Data gap present
Unnamed Creek	2-25.03	520	None	Unknown	20 Jul- 1 May	None	Data gap present
Unnamed Creek	2-25.02	521	None	Unknown	20 Jul- 1 May	None	Data gap present
Unnamed Creek	2-25.01	522	None	Unknown	20 Jul- 1 May	None	Data gap present
Trevor Creek	2-25	523	GR	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Tyler Creek #1	2-24.03	524	GR,KW	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present

Tabular Summary (Cont'd)

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Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Tyler Creek #2	2-24.02	525	GR,RW	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Tyler Creek #3	2-24.01	526	GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Roche Moutonee	2-24	527	GR,LT,RW	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
One-one-three Creek	2-23.03	528	None	Unknown	1 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Mainline Spring	2-23.02	529	AC,GR	Migrating Rearing	15 Oct- 1 May	2- Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Holden Creek	2-23.01	530	GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Vanish Creek	2-23	531	GR	Rearing	15 Oct- 1 May	2- Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Unnamed Creek	2-22.05	532	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Tad Creek	2-22.04	533	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Tee Lake Outlet #1	2-22.03	534	BB,GR,RW	Migrating Rearing Spawning	1 Nov- 1 May	20 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Tee Lake Outlet #2	2-22.02	535	BB,GR,RW	Migrating Rearing Spawning	1 Nov- 1 May	20 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Mosquito Lake	2-22.01	536	BB,GR,RW	Rearing Spawning	15 Jul-25 Aug	None	This lake is important to fish year-round.

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Atigun River	2-22	537	AC,BB,CN, GR,LT,RW	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	
Jill Creek	1-21.11	538	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Jill Creek Tributary	1-21.10	539	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Ed Creek	1-21.09	540	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Mack Creek	1-21.08	541	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Terry Creek	1-21.07	542	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Moss Creek	1-21.06	543	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Hallock Creek	1-21.05	544	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Yan Creek	1-21.04	545	CN	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Becky Creek #1	1-21.03	546	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Becky Creek #2	1-21.02	547	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Holt Creek	1-21.01	548	GR	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPS1	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Kuparuk River	1-21	549	CN,GR	Migrating Rearing Spawning	1 Nov- 1 May	20 Jul- 1 Nov if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	
East Fork Kuparuk River	1-20.01	550	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Toolik River	1-20	551	AC,GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
East Fork Toolik River	1-19.01	552	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Oksrukuyik Creek	1-19	553	AC,CN,GR	Migrating Rearing Spawning	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Shifish Creek #1	1-18.04	554	None	Unknown	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Shifish Creek #2	1-18.03	555	AC	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Thiele's Trickle	1-18.02	556	None	Unknown	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Lower Oksrukuyik Creek #1	1-18.01	557	AC,BB,CN GR,WF	Migrating Rearing Spawning	20 Jul-25 Aug	25 Aug- 1 Nov	Data gap present
Lower Oksrukuyik Creek #2	1-18	558	None	Unknown	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Unnamed Creek	1-17.02	559	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Unnamed Creek	1-17.01	560	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Rudy Creek	1-17	561	AC,GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Bassett Creek	1-16.03	562	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Dennis Creek	1-16.02	563	AC,GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Climb Creek	1-16.01	564	AC,GR,X	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Poison Pipe Creek	1-16	565	AC,GR	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Polygon Creek	1-15	566	AC,BB,CN GR	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Gustafson Gulch	1-14	567	AC,GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Arthur Creek	1-13	568	AC,BB,CN, GR	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Sagavanirktok River Side Channel	1-12.05	569	GR	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Sagavanirktok River Side Channel	1-12.04	570	CN,GR	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Clark's Lake	1-12.03	571	None	Unknown	1 Jan-31 Dec	None necessary	Data gap present The fish use status of this lake is unknown.
Stump Creek	1-12.02	572	GR,S9	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Lori Creek	1-12.01	573	GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Charlotte Creek	1-12	574	AC,CN,GR S9	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Happy Valley Camp Creek	1-11	575	GR	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Milke Creek	1-10	576	AC,GR,S9	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Stout Creek	1-9	577	AC,BB,CN GR	Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Sagavanirktok River Side Channel	1-8.03	578	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present
Sagavanirktok River Side Channel	1-8.02	579	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Sagavanirktok River Side Channel	1-8.01	580	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gaps present
Spoiled Mary Creek	1-8	581	AC,CN,GR	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Sagavanirktok River Side Channel	1-7.11	582	None	Unknown	1 Sep- 1 May	20 Jul-1 Sep	Data gap present
Sagavanirktok River Side Channel	1-7.10	583	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present
Sagavanirktok River Side Channel	1-7.09	584	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present
Sagavanirktok River Side Channel	1-7.08	585	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present
Sagavanirktok River Side Channel	1-7.07	586	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present
Sagavanirktok River Side Channel	1-7.06	587	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Sagavanirktok River Side Channel	1-7.05	588	None	Unknown	1 Sep- 1 May	20 Jul- 1 Sep	Data gap present
Sagavanirktok River Side Channel	1-7.04	589	GR,S9	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Sagavanirktok River Side Channel	1-7.03	590	GR,S9	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Sagavanirktok River Side Channel	1-7.02	591	S9	Migrating Rearing	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present
Sagavanirktok River Side Channel	1-7.01	592	None	Unknown	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Mark Creek	1-7	593	BB,CN,GR WF	Migrating Rearing Spawning	15 Oct- 1 May	20 Jul-15 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Tookik River Tributary	1-5.49	594	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Unnamed Creek	1-5.48	595	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Wood Creek #1	1-5.47	596	S9	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gap present
Wood Creek #2	1-5.46	597	X	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gap present
Wood Creek #3	1-5.45	598	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Wood Creek #4	1-5.44	599	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Wood Creek #5	1-5.43	600	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Wood Creek #6	1-5.42	601	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Wood Creek #7	1-5.41	602	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Wood Creek #8	1-5.40	603	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Wood Creek #9	1-5.39	604	GR	Migrating Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gap present
Wood Creek #10	1-5.38	605	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Wood Creek #11	1-5.37	606	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Wood Creek #12	1-5.36	607	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Extension Creek #1	1-5.35	608	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Extension Creek #2	1-5.34	609	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Extension Creek #3	1-5.33	610	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Extension Creek #4	1-5.32	611	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Extension Creek #5	1-5.31	612	GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Extension Creek #6	1-5.30	613	GR	Rearing	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Extension Creek #7	1-5.29	614	None	Unknown	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Extension Creek #8	1-5.28	615	None	Unknown	7 Oct- 1 May	20 Jul - 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Unnamed Pond	1-5.27	616	None	None	1 Jan-31 Dec	None necessary	Data gaps present
Ghost Creek #1	1-5.26	617	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Ghost Creek #2	1-5.25	618	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #3	1-5.24	619	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #4	1-5.23	620	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #5	1-5.22	621	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #6	1-5.21	622	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #7	1-5.20	623	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Ghost Creek #8	1-5.19	624	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #9	1-5.18	625	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #10	1-5.17	626	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #11	1-5.16	627	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #12	1-5.15	628	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #13	1-5.14	629	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Ghost Creek #14	1-5.13	630	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #15	1-5.12	631	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #16	1-5.11	632	GR	Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Ghost Creek #17	1-5.10	633	CD,S9	Migrating Rearing	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Side Channel	1-5.09	634	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Side Channel	1-5.08	635	CN,GR	Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Sagavanirktok River	1-5.07	636	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River	1-5.06	637	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sylvia Creek	1-5.05	638	AC,GR	Migrating Rearing Spawning	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gap present
Unnamed Pond	1-5.04	639	None	None	1 Jan-31 Dec	None necessary	Data gap present
Sagavanirktok River Side Channel	1-5.03	640	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Side Channel	1-5.02	641	GR	Migrating Rearing	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gap present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Unnamed Creek	1-5.01	642	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Floodplain	1-5	643	None	Unknown	15 Sep-15 Apr	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Side Channel	1-4.05	644	None	Unknown	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Side Channel	1-4.04	645	None	Unknown	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Side Channel	1-4.03	646	None	Unknown	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Side Channel	1-4.02	647	None	Unknown	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present

Tabular Summary (Cont'd)

Waterbody	NPSI	Text Page	Fish Species Documented	Fish Use Documented	Recommended Timing for Construction Activity		Comments
					Preferred	Alternate	
Sagavanirktok River Side Channel	1-4.01	648	None	Unknown	7 Oct- 1 May	20 Jul- 7 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-20 Aug	Data gaps present
Sagavanirktok River Floodplain	1-4	649	CN,GR	Wintering	1 Jul-15 Aug	1 May-15 Oct	Although site-specific documentation is not available for fish use during other seasons, this crossing is impor- tant for fish year-round.
Unnamed Creek	1-3.02	650	None	Unknown	1 Oct- 1 May	20 Jul- 1 Oct if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Unnamed Lake	1-3.01	651	None	Unknown	20 Jul-15 May	None	Data gaps present
Little Putuligayuk River	1-3	652	None	Unknown	15 Sep- 1 May	1 May-15 Sep	Data gaps present
Pump Station #1 Drainage Ditch	1-2	653	None	Unknown	15 Sep- 1 May	20 Jul-15 Sep if fish passage is adequate to allow for emigration; otherwise, 20 Jul-25 Aug	Data gaps present
Putuligayuk River	1-1	654	S9	Rearing	15 Oct- 1 May	1 May-15 Oct	Data gap present

PART III

PROVISIONAL LIST OF WATERBODIES CROSSED OR POTENTIALLY AFFECTED
BY THE GAS PIPELINE PROPOSED BY NORTHWEST ALASKAN PIPELINE COMPANY

INTRODUCTION

In a large scale project such as pipeline construction it is essential for reference purposes to maintain an updated list of waterbodies crossed or potentially affected by the pipeline. To date, the provisional list contains 492 entries. Reference 4, 11, 42 and 48 provided the basis for this list which includes lotic and lentic habitats known to contain fish or having the potential for fish utilization. Many waterbodies have multiple pipeline crossings --each crossing is treated as a separate entry in the list.

Data sources (see Literature Reviewed) that contain physical or biological information are listed by number for each waterbody. The most recent evaluation of the fish use status of each is provided in the form of seasonal criteria. These criteria were developed to standardize the manner in which waterbodies were evaluated. It is important to note that criteria definitions in this report differ somewhat from those used in 1979-80 seasonal reports (Refs. 54, 55, 57, 77). This is due, in part, to the availability of new information as well as to a change in rationale concerning conditions that must be met for a specific criteria to be assigned. For the purpose of this report, criteria assignment has been limited to actual documentation of fish use or non fish use (habitat not available) for each season. These have been based on results of field investigations and/or literature (See Part IV - Compendium) rather than extrapolation of existing seasonal information to another season or stream in a similar area based on professional experience and judgement. These criteria numbers do not necessarily reflect the authors' recommendations for additional field sampling. Although seasonal data gaps may remain for some streams, further investigations may be unnecessary and costly. The criteria used are as follows:

Number	Criteria
1	Fish Use Area--Waterbody investigated and fish use documented.
2	No Fish Use--Waterbody investigated and no fish use documented.
3	No Fish Use Inferred--Absence of habitat inferred and supported by indirect evidence: small drainage with negligible intermittent or no flow or fish blockage present.
4	Data Gaps Present--Waterbody investigations incomplete or lacking: waterbody has not been surveyed for fish use, or previous data were inconclusive.

Waterbody evaluations were based on an extensive literature review, communications with state and federal agencies, previous field surveys and professional judgement. Primary sources for literature were published government and consultant reports and file data from the Joint Fish & Wildlife Advisory Team (JFWAT) in Anchorage. Agencies consulted included the State Pipeline Coordinator's Office, Alaska Department of Fish and Game (Game and Sport Fish Divisions) and U.S. Fish and Wildlife (Stream Alteration Division).

Abbreviations used in the Provisional List of Waterbodies are as follows:

NPSI	- Northwest Alaskan Pipeline Street Identification number
NPAS	- Northwest Alaskan Pipeline Alignment Sheet
NPMP	- Northwest Pipeline Milepost
AHMP	- Alaska Highway Milepost
Alyeska AS	- Alyeska Alignment Sheet
Sta.	- Station

PROVISIONAL LIST OF WATERBODIES

Waterbody	NPSI	NPAS	NPMP	AIMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Unnamed Creek	6-227.03	131	738.7	1222.2				2	3	3	2,30,54,76
Unnamed Creek	6-227.02	131	738.3	1222.6				1	1	3	30,54,57,76
Unnamed Pond	6-227.01	131	737.5	1223.4				1	4	3	2,30,54,76
Scottie Creek	6-227	131	737.5	1223.4				1	1	1	5,6,7,8,9,10,17,22,26,29,30,54,55,57,59,60,72,73,76,77
Desper Creek	6-226	130	735.6	1225.6				4	1	2	5,6,7,9,10,17,26,29,30,54,55,57,59,60,68,72,73,76
Unnamed Creek	6-225.01	129	730.6	1232.1				2	3	3	2,30,54,76
Sweetwater Creek	6-225	129	728.4	1234.2				2	3	2	2,9,29,30,54,57,59,60,72,73,76
Unnamed Creek	6-224	129	728.0	1234.7				3	3	3	2,29,30,54,59,60,73,76
Unnamed Creek	6-223	129	726.8	1235.9				3	3	3	2,29,30,54,76
Unnamed Creek	6-223	129	726.8	1235.9				3	3	3	2,29,30,54,76
Unnamed Creek	6-222	129	726.5	1236.3				4	1	2	2,27,30,54,57,59,60,76
Gardiner Creek	6-219	127	716.8	1246.7				1	1	2	5,6,7,8,9,10,17,22,26,29,30,54,57,59,60,68,72,73,76
Tennile Creek	6-218	126	710.7	1252.8				2	2	2	2,5,6,9,10,17,26,29,30,54,57,59,60,73
Silver Creek	6-217	125	704.8	1258.7				3	4	3	2,5,6,9,10,26,29,30,54,59,60,73,76
Unnamed Creek	6-216.01	124	701.9	1262.3				2	3	3	2,30,54,76
Unnamed Creek	6-216.01	124	701.9	1262.3				2	3	3	2,30,54,76
Unnamed Creek	6-216	124	699.2	1266.5				2	3	2	2,29,30,54,59,60,76
Beaver Creek	6-215	124	697.4	1268.0				1	1	2	5,6,7,8,9,10,17,22,26,29,30,54,57,59,60,72,76
Unnamed Creek	6-214.01	123	695.2	1270.4				2	3	3	2,30,54,76
Unnamed Creek	6-213.01	123	692.8	1273.0				3	3	3	2,30,59,60,76
Unnamed Creek	6-213	122	688.3	1278.3				3	3	3	2,9,29,30,59,60,76
Bitters Creek	6-212	122	686.5	1280.2				1	1	2,3	5,6,9,10,26,29,30,54,57,59,60,69,72,73,76
Unnamed Creek	6-210.02	121	683.9	1283.2				4	4	4	2,30,76
Unnamed Creek	6-210.01	121	681.8	1285.4				4	4	4	2,30,76
Unnamed Creek	6-210	119	671.0	1296.7				3	3	3	2,29,30,76
Unnamed Creek	6-209	119	669.9	1297.9				3	3	3	2,29,30,59,60,76
Tanana River	6-207A/B	118	664.3	1303.3				1	1	1	3,5,6,7,9,10,13,17,22,26,29,30,54,57,60,69,72,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AIMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Tanana River Alt #1	6-207C	118	664.3	1303.3				1	1	1	3,5,6,7,9,10,17,22, 26,29,30,54,57,60,76
Tanana River Alt #2	6-208	118	664.3	1303.3				1	1	1	3,5,6,7,9,10,17,22, 26,29,30,54,57,60,76
Tok River	6-205	117	658.2	1309.4				1	1	2	3,5,6,7,9,10,17,22, 26,29,30,54,55,57,59, 60,72,73,76
Crystal Slough Creek	6-203.03	114	639.0	1328.2				1	1	4	2,9,26,30,54,55,57,60, 73,76
Unnamed Creek	6-203.02	114	638.8	1328.2				3	3	3	30,54,76
Unnamed Creek	6-203.01	113	637.6	1329.5				3	3	3	2,30,60,76
Unnamed Creek	6-203	113	636.5	1330.5				3	3	3	2,30,54,59,60,76
Moon Lake Tributary #1	6-202	113	635.2	1331.9				2	3	3	2,6,29,30,59,69,76
Moon Lake Tributary #2	6-202	113	635.2	1331.9				2	3	3	2,6,29,30,59,69,76
Yerrick Creek	6-201	113	633.0	1333.7				1	1	1	3,5,6,7,8,9,10,17, 22,26,29,30,54,55,57, 64,68,69,72,73,76,77
Unnamed Creek	6-200.01	112	630.8	1336.9				2	3	3	2,29,30,54,59,60,69, 76
Unnamed Creek	6-200	112	630.7	1336.9				2	3	3	2,29,30,54,59,60,69, 76
Cathedral Rapids Creek #1	6-199	112	629.2	1338.1				3	3	3	2,4,7,22,29,30,60,68, 69,73
Cathedral Rapids Creek #2	6-198	112	628.6	1338.7				3	3	3	2,4,7,22,29,30,59,60, 68,69,76
Cathedral Rapids Creek #3	6-197B	112	628.6	1338.7				3	3	3	2,4,7,22,29,30,59,60, 68,69,76
Cathedral Rapids Creek #4	6-197A	112	628.5	1338.8				3	3	3	2,4,7,22,29,30,59,60, 68,69,76
Cathedral Rapids Creek #5	6-197	112	628.4	1338.9				3	3	3	2,4,7,22,29,30,60,68, 69,76
Cathedral Rapids Creek #6	6-196	112	628.2	1339.0				3	3	3	2,4,7,22,29,30,59,60, 68,69,76
Cathedral Rapids Creek #7	6-195	112	628.0	1339.2				3	3	3	2,4,7,22,29,30,60,68, 69,76
Unnamed Creek	6-193.01	112	627.5	1339.8				1	3	2	2,5,6,10,26,29,30,54, 57,69,72,76
Unnamed Creek	6-192.01	111	626.2	1340.5				3	3	3	2,30,54,76
Sheep Creek	6-191	111	625.1	1342.2				3	3	3	3,5,6,7,8,10,22,29, 30,54,68,69,72,76
Unnamed Creek	5-190	111	623.5	1343.7				2	3	3	2,29,30,54,76
Robertson River	5-187	110	619.6	1347.6				1	1	2	3,5,6,7,8,9,10,17, 22,26,29,30,54,55,57, 73,76,77

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AIIMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Unnamed Creek	5-185.03	110	617.2	1350.1				2	3	3	2,30,54,76
Unnamed Creek	5-185.02	110	617.0	1350.2				2	3	3	2,30,54,76
Unnamed Creek	5-185.01	109	615.1	1352.3				2	3	3	2,30,54,76
Bear Creek	5-185	109	609.9	1357.3				1	1	2	3,5,6,7,8,9,10,17,22, 26,29,30,54,55,59,60, 69,72,73,76,77
Chief Creek	5-184	108	608.6	1358.6				3	3	2	3,5,6,7,8,9,10,17, 22,26,29,30,54,55,57, 59,60,72,76
Unnamed Creek	5-183	108	605.4	1361.7				3	3	3	2,5,26,29,30,54,76
Unnamed Creek	5-182	108	605.2	1362.0				3	3	3	2,5,30,54,76
Unnamed Creek	5-181	107	603.1	1364.4				3	3	2	2,29,30,54,59,60,73, 76
Sam Creek	5-180	107	601.6	1365.9				2	3	2	3,5,6,7,8,9,10,26, 29,30,54,76
Unnamed Creek	5-179	106	598.4	1369.1				1	1	2	3,5,6,9,10,26,29,30, 54,57,59,60,73,76
Berry Creek	5-178	106	596.2	1371.4				1	1	1	3,5,6,7,8,9,10,22, 29,30,54,57,59,60,69, 72,73,76,77
Sears Creek	5-177	106	593.1	1374.4				1	1	1	3,5,6,7,8,9,10,17, 22,29,30,54,57,59,60, 64,69,72,73,76,77
Unnamed Creek	5-176.01	105	590.6	1377.0				2	3	3	2,30,54,76
Dry Creek	5-176	105	589.5	1378.1				3	3	3	3,5,6,7,8,9,10,22, 29,30,54,57,59,60,68, 69,72,73,76
Johnson River	5-175	104	587.0	1380.5				4	1	3	3,5,6,7,8,9,10,17, 22,26,29,30,54,57,60, 69,72,73,76,77
Little Gerstle River	5-174	103	579.3	1388.4				1	4	2	3,5,6,7,8,9,10,17, 22,26,29,30,54,72,73, 76,77
Gerstle River	5-172	102	575.0	1393.0				4	1	2	3,5,6,7,8,9,10,17, 22,26,29,30,54,57,72, 73,76
Sawmill Creek	5-171	100	563.8	1403.9				2	2	2	3,5,6,7,8,9,10,29,30, 54,76
Rhoads Creek	5-170	100	560.1	1407.6				2	3	2	3,5,6,9,10,29,30,54,76
Granite Creek	5-169	99	558.4	1409.2				2	3	2	3,5,6,7,9,10,22,29,30, 54,76
Tanana River	5-166	96	537.3		47	9215+00		1	1	1	3,5,11,13,15,16,27, 29,30,32,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AIMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Tanana River Side Channel	5-165.01	95	536.7					4	1	1	3,11,13,30,42,43,57,76,77
Shaw Creek	5-165	93	526.0		49	9789+15		1	1	1	3,5,11,29,30,57,65,76,77
Rosa Creek #1	5-164	93	525.8		49	9800+40		1	4	4	5,11,29,30,76
West Branch Keystone Creek	5-163	93	525.2		49	9830+70		1	4	4	5,11,29,30,76
Rosa Creek #2	5-162	92	519.8		50	10110+50		4	3	2	5,11,29,30,57,76
Rosa Creek #3	5-162	92	519.2		50	10142+74		4	3	2	5,11,29,30,76
Rosa Creek #4	5-162	92	518.9		50	10165+25		4	3	2	5,11,29,30,76
South Fork Minton Creek #1	5-161	92	518.0		51	10214+80		2	2	2	5,11,29,30,32,54,60,66,76
South Fork Minton Creek #2	5-161	92	517.4		51	10244+06		2	2	2	5,11,29,30,32,54,66,76
South Fork Minton Creek #3	5-161	92	517.0		51	10258+12		2	2	2	5,11,29,30,32,54,66,76
South Fork Minton Creek #4	5-161	92	516.3		51	10298+63		2	3	2	5,11,29,30,32,54,66,76
South Fork Minton Creek #5	5-161	92	516.0		51	10305+90		3	3	2	5,11,29,30,32,54,66,76
South Fork Tributary Minton Creek	5-161	92	515.8		51	10316+00		3	3	2	5,11,29,30,32,54,66,76
South Fork Minton Creek #6	5-161	92	515.8		51	10316+98		4	4	2	5,11,29,30,32,54,66,76
South Fork Minton Creek #7	5-161	91	515.5		51	10343+09		1	4	2	5,11,29,30,32,54,66,76
North Fork Minton Creek #1	5-161	91	515.4		51	10346+68		4	4	2	5,11,30,32,54,76
North Fork Minton Creek #2	5-161	91	514.8		51	10374+14		3	3	2	5,11,30,32,54,76
North Fork Minton Creek #3	5-161	91	514.5		51	10393+01		3	3	2	5,11,30,32,54,76
North Fork Minton Creek #4	5-161	91	514.4		51	10394+88		3	3	2	5,11,30,32,54,76
Gold Run Creek	5-160	91	512.7		51	10487+62		2	2	2	3,5,11,29,30,54,76
Small Creek	5-159.02	91	511.3		52	10561+41		2	2	3	11,30,54,57,76
Tributary to Small Creek	5-159.01	91	510.7		52	10589+47		3	3	3	11,30,76
Redmond Creek	5-159	90	505.7		53	10855+33		1	1	2	3,5,11,14,25,29,30,35,38,54,55,57,76,77
Unnamed Tributary to Salcha River	4-158.03	89	502.8		53	11037+79		2	2	3	11,30,54,76
TAPS Slough	4-158.02	89	501.9		53A	2+00		2	2	2	11,30,54,55,57,76
Unnamed Slough	4-158.01	89	501.8		53A	7+50		4	2	2	11,30,55,57,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Salcha River	4-158	89	501.5		53A	19+00		1	1	1	3,5,11,13,14,25,29,30,32,35,38,76
Oxbow Slough	4-157.02	89	501.3		53A	33+00		2	2	3	11,30,54,57,76
Two-Nineteen Creek	4-157.01	88	497.6		54	223+50		2	4	4	11,30,54,76
Little Salcha River	4-157	88	496.5		54	281+71		1	1	3	3,5,11,13,29,30,31,38,55,57,76,77,83
Tributary to Little Salcha River	4-156-05	88	495.3		54	345+50		3	3	3	11,30,54,76
Tributary to Million Dollar Creek	4-156.04	88	493.9		54	417+00		2	3	3	11,29,30,31,54,76
Million Dollar Creek #1	4-156.03	87	491.5		55	545+00		1	4	2	5,11,29,30,31,64,76
Million Dollar Creek #2	4-156.02	87	491.2		55	558+60		4	4	2	5,11,29,30,57,76
Million Dollar Creek #3	4-156.01	87	491.0		55	568+00		4	1	2	5,11,29,30,57,76
Million Dollar Creek #4	4-156	87	490.6		55	592+00		1	1	2	5,11,29,30,31,57,76
French Creek #0	4-155	87	489.6		55	643+55		4	1	2	3,5,11,19,29,30,31,38,55,57,76,77
Knokanpeover Creek	4-154	86	486.4		56	809+40		1	1	2	3,5,11,19,29,30,31,57,76
French Creek #1	4-153	86	483.7		56	942+85		4	4	2	3,5,11,19,29,30,38,76,77
French Creek #2	4-152	86	483.0		56	993+69		4	4	2	3,5,11,19,29,30,38,76,77
French Creek #3	4-151	86	482.5		56	1018+95		4	4	2	3,5,11,19,29,30,38,76,77
French Creek #4	4-150	85	482.2		56	1035+43		4	4	2	3,5,11,19,29,30,38,76,77
French Creek #5	4-149	85	480.4		57	1125+18		4	4	2	3,5,11,19,29,30,38,57,76,77
Bear Lake Outlet	4-148.01	85	480.2		57	1134+40		3	3	3	11,30,31,54,57,76
Moose Creek #1	4-148	85	479.3		57	1188+02		1	1	1	5,11,29,30,31,38,54,57,76,77
Moose Creek #2	4-147	85	478.0		57	1250+70		1	1	4	5,11,29,30,31,38,54,57,76
Moose Creek #3	4-146	85	477.3		57	NA		1	4	1	5,11,29,30,31,38,54,57,76,77
Unnamed Creek	4-145.04	84	473.7		58	1495+15		2	3	3	11,30,54,76
Unnamed Creek	4-145.03	84	473.5		58	1505+00		2	2	2	11,30,54,76
Ess Shaped Slough	4-145.02	84	471.9		58	1570+00		2	3	3	11,30,31,76
Seventeen-Twenty Slough	4-145.01	83	468.2		59	1720+20		3	3	3	11,30,31,54,76
Seventeen-Thirty Slough	4-145	83	468.0		59	1730+50		3	3	3	11,29,31,54
Isolated Slough	4-144.01	83	465.9		59	1845+55		2	3	3	11,31,54,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AIMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Chena River	4-144	83	465.8		59	1849+50		1	1	1	3,5,11,13,17,27,29, 30,31,38,39,76
Steele Creek	4-143	82	463.6		60	1962+80		2	2	2	11,29,30,54,57,76
Engineer Creek	4-142	81	457.5		61	210+00		2	2	3	11,17,29,30,31,54,57, 76
Goldstream Creek	4-141	81	454.7		61	336+01		4	1	2	3,5,11,17,29,30,54, 57,76
Treasure Creek	4-140	80	448.6		62	659+43		3	3	3	3,5,11,17,29,30,54, 57,76
Chatanika River	4-139	79	444.5		63	873+63		1	1	1	3,5,11,17,29,30,31,38, 76
Shocker Creek	4-138	79	443.7		63	914+00		1	1	4	5,11,29,30,54,57,76
Unnamed Tributary to Shocker Creek #1	4-137.06	79	443.5		63			3	3	3	30,54,76
Unnamed Tributary to Shocker Creek #2	4-137.05	79	443.4		63			3	3	3	30,54,76
Unnamed Tributary to Shocker Creek #3	4-137.04	79	443.3		63			3	3	3	30,54,76
Unnamed Tributary to Chatanika River #1	4-137.03	78	441.7		63	1025+70		3	3	3	11,30,76
Unnamed Tributary to Chatanika River #2	4-137.02	78	441.7		63	1027+70		3	3	3	11,30,76
Unnamed Tributary to Chatanika River #3	4-137.01	78	441.7		63	1032+20		3	3	3	11,30,76
Washington Creek	4-137	78	438.2		64	1209+62		1	1	1	1,3,5,11,17,29,30,31, 38,54,57,76,77
Unnamed Tributary to Washington Creek	4-136.01	78	438.0		64	1220+00		4	4	4	11,30,76
South Fork Aggie Creek	4-136	76	430.9		64	1595+00		3	3	3	1,3,5,11,17,29,30,31, 38,54,57,76
North Fork Aggie Creek	4-135	76	430.1		65	1635+00		3	3	3	1,3,5,11,17,29,30,31, 38,48,54,57,76
Tributary to Little Globe Creek	4-134.01	76	428.3		66	1740+00		4	4	4	11,30,76
Little Globe Creek	4-134	76	427.2		66	1759+00		4	4	4	11,17,29,30,67,76
Unnamed Tributary to Little Globe Creek	4-133.01	76	427.0		66	1796+00		4	4	4	11,30,76
Globe Creek	4-133	75	423.8		66	1966+75		4	4	4	1,3,5,11,17,29,30,38, 48,66,76
Unnamed Tributary to Globe Creek	4-132.02	75	423.4		67	1988+88		4	4	4	11,30,66,76
Unnamed Tributary to Tatalina River	4-132.01	74	420.0		67	2167+00		4	4	4	11,30,48,76
Tatalina River	4-132	74	419.0		67	2241+80		4	4	2	1,3,5,11,17,29,30,48,5
Tributary of Slate Creek	4-131.01	73	415.0		68	2456+31		4	4	4	11,30,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Slate Creek	4-131	73	414.9		68	2459+35		4	4	4	3,5,11,17,29,30,38,48,76
Ski Jump Ramp Creek	4-130	73	413.1		68	2550+00		4	4	4	11,29,30,76
Wilber Creek	4-129	73	412.1		68-69	2608+00		1	4	4	3,5,11,17,29,30,48,76
Tributary of Wilber Creek	4-128.04	73	410.6		69	2666+35		4	4	4	11,30,76
Shorty Creek	4-128.03	72	407.0		69	2855+73		4	4	4	11,30,76
Tributary of Shorty Creek	4-128.02	72	406.8		69	2865+11		4	4	4	11,30,76
Tributary to Tolovana River	4-128.01	72	405.7		70	2924+55		4	4	4	11,30,76
Tolovana River	4-128	72	405.1		70	2957+90		4	1	2	1,3,5,11,13,17,29,30,48,57,74,76
Unnamed Tributary to W. Fork Tolovana	4-127.01	71	402.0		70	3122+16		4	4	4	11,30,76
Lost Creek	4-127	71	398.6		71	104+33		4	4	4	3,5,11,17,29,30,31,48,76
Erickson Creek	4-126	70	394.3		72	337+66		4	4	4	3,11,29,30,76
Tributary Erickson Creek #1	4-125	69	390.9		72	513+62		1	4	4	3,5,11,17,29,30,31,76
Unnamed Lake Outlet	4-124.01	69	390.0		73	562+98		4	4	4	11,30,76
Erickson Creek #2	4-124	69	389.1		73	611+95		1	4	4	3,5,11,17,29,30,31,48,76
Hess Creek Tributary	4-123.05	68	385.5		73	800+02		4	4	4	11,17,30,76
Hess Creek	4-123A.04	68	385.2		73,74W	820+00		4	1	2	1,3,5,11,17,29,30,31,48,70,76
Fish Creek	4-123.03	68	385.0		73	829+65		4	1	3	3,5,11,29,30,31,48,76
Unnamed Creek	4-123.02	68	381.0		74	1040+40		4	4	4	11,30,76
Unnamed Creek	4-123.01	68	380.4		74	1071+47		4	4	4	11,30,76
Unnamed Creek	4-123	67	379.9		74	1096+85		4	4	4	11,29,30,76
Unnamed Creek	3-122.05	67	378.8		75	1150+15		4	4	4	11,17,30,76
Unnamed Creek	3-122.04	67	378.3		75	1181+44		4	4	4	11,30,76
Hot Cat Creek	3-122.03	67	377.1		75	1242+94		4	4	4	5,11,17,30,31,48,61,76
Unnamed Creek	3-122.02	67	374.7		75	1367+33		4	4	4	11,17,30,76
Unnamed Creek	3-122.01	66	373.2		75	1447+20		4	4	4	11,17,30,76
Isom Creek #1	3-122	66	369.5		76	1642+50		4	4	4	3,5,11,29,30,31,48,76
Isom Creek #2	3-121.02	66	369.4		76	1649+50		4	4	4	3,5,11,17,29,30,31,48,76
Isom Creek #3	3-121.01	66	369.4		76	1651+34		4	4	4	3,5,11,30,31,48,76
Tributary to Isom Creek	3-121	66	368.8		76	1682+08		4	4	4	11,30,76
Yukon River	3-120	64	360.0		77-78	58+00		1	1	1	1,3,5,11,13,17,20,21,29,30,38,48,76
Burbot Creek	3-119	64	358.3		78	158+21	1HR168+10	4	4	4	5,11,20,21,29,30,48,76
Woodchopper Creek	3-118	63	357.2		78	215+30	1HR215+20	1	4	4	5,11,20,21,29,30,48,76
Phelps Creek	3-117	62	351.7		79	508+70	1HR501+00	4	1	3	5,11,20,21,29,30,48,76
Unnamed Creek	3-112	61	344.3		80	899+00	1HR892+15	4	4	4	11,17,20,21,29

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AUMMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Fort Hamlin Hills Creek	3-111	61	342.9		81	971+50	1HR1011+08	1	4	4	5,11,20,21,29,30,45,61,70,76
Unnamed Creek	3-110.01	60	340.0		81	1123+25	1HR1158+45	4	4	4	11,20,21,30,76
North Fork Ray River	3-110	59	336.0		82	58+49	1HR1337+34	1	4	1	1,5,11,17,20,21,29,30,38,48,55,64,74,76,77
Fed Creek	3-109	59	332.0		82	270+25	1HR1600+24	4	4	4	11,29,30,48,76
South Branch West Fork Dall River	3-108	57	324.3		84	673+00	1HR2001+50	1	4	3	1,5,11,20,21,29,30,38,48,76
Middle Branch West Fork Dall River	3-107	57	321.9		84	798+00	1HR2125+39	1	4	3	1,5,11,20,21,29,30,38,48,76
Smoky Creek	3-106.02	57	321.4		84	818+75	1HR2163+02	4	4	4	11,20,21,30,76
Unnamed Creek	3-106.01	56	319.7		85	915+75	1HR2245+45	4	4	4	11,20,21,30,76
Finger Mountain Creek	3-106	56	318.8		85	961+66	1HR2291+88	1	4	4	5,11,20,29,30,48,76
Olson's Lake Creek	3-105	55	315.3		85	1149+38	1HR2469+77	1	4	4	5,11,29,30,48,70,76
Caribou Mountain Creek	3-104	55	312.9		86	56+03	1HR2609+50	1	4	4	5,11,29,30,31,48,76
Kanuti River	3-103	54	309.7		86	231+00	1HR2777+75	1	4	2	1,3,5,11,13,17,20,21,29,30,31,37,32,55,67,74,76
Netsch's Creek Tributary #1	3-102	54	307.7		87	331+60	1HR2875+90	4	4	4	11,29,30,76
Netsch's Creek Tributary #2	3-101	54	307.4		87	349+00	1HR2894+96	4	4	4	11,29,30,76
Netsch's Creek Tributary #3	3-100.01	54	307.0		87	370+80	1HR2944+05	4	4	4	11,30,76
South Fork Fish Creek	3-100	53	304.1		87	520+50	1HR3255	1	4	1	1,3,5,11,20,21,29,30,48,76
Middle Fork Fish Creek	3-99	53	303.1		87	577+90	1HR3255	4	1	2	1,3,5,11,20,21,29,30,48,76
Fish Creek	3-98	53	301.7	88W		653+50	1HR3255+12	1	1	2	1,3,5,11,17,20,21,29,30,34,37,38,48,55,64,67,76
Alder Mountain Creek	3-97	53	300.0	88W		742+50	2HR115+00	4	4	4	5,11,20,21,29,30,48,76
Pung's Crossing Creek #1	3-96.01	52	296.5	89		932+40	2HR363+36	1	4	4	5,11,20,21,30,76
Pung's Crossing Creek #2	3-96	52	296.5	89		931+40	2HR363+36	1	4	4	5,11,20,21,29,30,76
South Fork Bonanza Creek	3-95	52	292.8	89		1123+60	2HR550+59	1	1	1	1,3,5,11,17,20,21,29,30,31,34,37,38,55,76,77
Unnamed Bonanza Creek Channel	3-94.02	52	292.8	89		1128+50	2HR547	4	4	4	11,20,21,30,76
Oxbow Lake System	3-94.01	51	292.3	89		1148+00	2HR561+64	4	4	4	11,20,30,48,76
North Fork Bonanza Creek	3-94	51	291.2	89		1208+32	2HR606+69	1	1	2	1,3,5,11,17,20,21,29,30,31,34,38,45,67,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria Spring Fall Winter			References
South Fork of the Little Nasty	3-93	51	289.0		90	1327+15	2HR759+84	4	4	4	5,11,20,21,29,30,48,67,76
The Little Nasty	3-92	51	288.8		90	1340+25	2HR767+82	1	1	4	1,5,11,20,21,24,30,48,61,64,76
Prospect Creek	3-91	50	284		91	1590+00	2HR1099+52	1	1	1	1,3,5,11,17,20,21,29,30,31,34,37,38,43,55,70,74,76,77
Little Piddler Creek	3-90.03	49	279		91	241+60	2HR1376+57	1	4	4	11,30,76
Jim River Side Channel #1	3-90.02	49	278.9		91	257+00	2HR1379+45	1	1	1	1,5,11,17,29,30,31,34,48,55,62,64,74,76
Jim River Side Channel #2	3-90.01	49	278.0		92	272+49	2HR1425+40	4	1	1	1,5,11,17,29,30,31,34,48,55,62,74,76,77
Douglas Creek	3-89	49	277.2		92	330+00	2HR1470+34	4	1	3	1,3,5,11,17,20,21,29,30,34,48,62,74,76
Dee Creek	3-88	49	275.8		92	407+00	2HR1544+97	1	1	4	5,11,20,21,29,30,48,62,74,76
Beaver Springs #1	3-87.02	49	275.5		92	435+84	2HR1557+06	4	4	1	11,20,21,30,55,62,76
Beaver Springs #2	3-87.01	49	275.5		92	436+73	2HR1565+32	4	4	4	11,20,21,31,55,62,76
Jim River #3	3-87	49	274.9		92	453+50	2HR1579+80	1	1	1	1,3,5,11,13,17,20,21,21,30,34,38,48,62,76
Inlet to Grayling Lake	3-86.04	47	268.3		93	798+30	2HR1926+00	1	4	4	11,20,30,48,76
Avoided Lake Inlet	3-86.03	47	267.7		93	832+75	2HR1960	2	4	4	11,20,30,76
Grayling Lake Creek	3-86.02	47	267.3		93	849+00	2HR1949+14	1	4	4	11,20,21,30,48,70,76
Unnamed Creek	3-86.01	47	266.7		94	884+20	2HR2017	1	4	4	11,20,30,76
Abba-dabba Creek	3-86	47	265.2		94	963+28	2HR2098+18	1	4	1	1,5,11,20,21,29,30,48,61,64,74,75,76,77
South Fork Koyukuk River	3-85	46	263.0		94-95	1073+00	2HR2206+88	1	1	1	1,3,5,11,13,17,20,21,29,30,48,76
Cross Roads Creek #1	3-82.03	46	258.6		95	222+50	3HR129+23	4	4	4	11,20,21,29,30,76
Cross Roads Creek #2	3-82.02	46	258.4		95	288+75	3HR129+58	4	4	4	11,20,21,29,30,76
Cross Roads Creek #3	3-82.01	46	258.4		95	232+25	3HR129+58	4	4	4	11,20,21,29,30,76
Cross Roads Creek #4	3-82	46	258.4		95	233+60	3HR129+58	4	4	4	11,20,21,29,30,76
Chapman Creek	3-81	46	257.2		96	295+17	3HR205+23	4	1	4	1,5,11,20,21,29,30,48,76
South Fork Windy Arm Creek	3-80	45	256.3		96	343+75	3HR255+64	4	1	4	1,11,20,21,29,30,48,76
North Fork Windy Arm Creek	3-79	45	254.9		96	417+25	3HR326+94	1	1	4	1,5,11,20,21,29,30,48,64,74,76
Unnamed Creek	3-78.01	45	254.1		96	458+70	3HR369+59	4	4	4	11,20,21,30,76
Trent's Trickle	3-78	45	253.0		96	518+39	3HR413+47	1	4	4	5,11,20,21,29,30,48,61,62,70,76
Jackson Slough East Channel #1	3-77.02	45	252.2		97	555+85	3HR452+15	1	1	4	5,11,30,34,48,61,62,64,76
Jackson Slough Cross Channel	3-77.01	44	252.0		97	570+70	3HR464+00	1	1	4	5,11,29,30,34,48,61,62,66,74,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Jackson Slough East Channel #2	3-77	44	251.9		97	593+00	3HR483+00	1	1	4	5,11,30,34,48,61,62,64,76
Rosie Creek	3-74	44	249.4		97		3HR599+00	1	1	1	3,5,11,17,20,21,29,30,31,48,74,76,77
First Creek #1	3-72.06	44	247.3		97		3HR727+14	1	4	4	11,20,21,30,76
First Creek #2	3-72.05	44	247.1		97		3HR727+14	1	4	4	11,20,21,30,76
East Fork Spring Slough	3-72.04	44	245.8		97-98		3HR776+84	1	4	4	5,11,30,76
Spring Slough #1	3-72.03	44	245.5		98		3HR783+98	1	1	4	5,11,30,76
Spring Slough #2	3-72.02	44	245.4		98		3HR790+14	1	1	4	5,11,30,76
Spring Slough #3	3-72.01	43	245.3		98		3HR797+60	1	1	4	5,11,30,48,76
Slate Creek	3-72	43	243.7		98	976+83	3HR876+86	4	4	2	1,3,5,11,17,20,21,29,30,31,34,38,76
Calf Creek	3-71	43	243.2		98	1004+75	3HR910+70	1	4	3	5,11,29,30,31,48,76
South Fork Clara Creek Overflow	3-70.01	43	243.0		98	1015+80	3HR925+49	1	4	4	5,11,29,30,31,48,76
Clara Creek Overflow	3-70	43	242.9		98	1019+50	3HR933+34	1	4	4	5,11,29,30,31,48,64,76
Clara Creek #1	3-69.01	43	242.6		98	1033+70	3HR941+85	1	4	4	5,11,17,29,30,31,34,76
Clara Creek #2	3-69	43	242.6		98	1036+20	3HR941+85	1	4	4	5,11,17,29,30,31,34,76
Equisetum Creek	3-68	43	242.3		98		3HR944	4	4	4	5,11,29,30,48,64,76
Organo Creek	3-67	43	242.2		98		3HR946	1	4	3	5,11,29,30,31,34,48,62,64,70,76
Unnamed Creek	3-65.01	43	240.8		98		3HR1037+00	4	4	4	11,30,76
South Fork Mary Angel Creek	3-65	43	240.4		98-99	4+30	3HR1052+04	1	4	4	5,11,29,30,31,48,64,76
Mary Angel Creek	3-63.04	43	240.3		99	8+40	3HR1055+57	1	1	3	5,11,30,34,48,61,64,70,74,76
South Fork Sharon Creek	3-63.03	43	239.8		99	38+70	3HR1076+29	1	4	4	5,11,30,76
Sharon Creek #1	3-63.02	43	239.7		99	45+00	3HR1097	4	3	3	5,11,30,31,48,61,76
Sharon Creek #2	3-63.01	42	239.4		99	55+00	3HR1097	4	3	3	5,11,30,31,48,61,76
Marion Creek	3-63	42	239.3		99	59+85	3HR1114+14	1	4	3	1,3,5,11,20,21,29,30,31,34,38,48,74,76
North Marion Creek Overflow #1	3-62.04	42	239.2		99	68+80	3HR1115	4	4	4	11,30,76
North Marion Creek Overflow #2	3-62.03	42	239.2		99	70+75	3HR1120+33	4	4	4	11,30,76
North Marion Creek Overflow #3	3-62.02	42	239.0		99	78+00	3HR1122+90	4	4	4	11,30,76
Pence's Pond Creek	3-62.01	42	238.9		99	85+50	3HR1143+81	1	4	3	5,11,20,21,30,31,48,76
Confusion Creek	3-61.02	41	233.5		100	369+00	3HR1439+92	1	3	2	5,11,20,30,31,48,76,77
North Fork Confusion Creek	3-61.01	41	233.0		100	391+70	3HR1443	1	4	3	5,11,20,30,31,48,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Minnie Creek	3-61	41	231.8		100	454+46	3HR1519+34	1	4	3	1,3,5,11,17,20,21,29, 30,34,38,48,76
Middle Fork Koyukuk River	2-60.19	41	231.0		100	495+50	3HR1588+80	1	4	1	1,3,5,11,13,17,20,21, 30,76
Union Gulch Creek #1	2-60.18	41	230.7		100	516+65	3HR1600	1	1	4	5,11,20,21,30,31,76
Union Gulch Creek #2	2-60.17	41	230.2		100	536+00	3HR1600	1	1	4	5,11,20,21,30,31,48,76
Confederate Gulch Creek	2-60.16	41	229.3		100	590+75	3HR1655+00	1	4	4	11,30,76
North Fork Confederate Gulch Creek	2-60.15	41	228.8		100	607+90	3HR1675	4	4	2	11,40,48,76
Hammond River	2-55	40	228.1		101	635+60	3HR1711+42	1	4	2	1,3,5,11,17,20,21,29, 30,37,48,67,76
Middle Fork Koyukuk River Anabranh	2-60.14	40	227.5		101			4	4	4	1,30,76
Middle Fork Koyukuk River	2-60.13	40	227.1		101			1	4	1	1,5,11,13,20,21,29, 30,38,48,76
Richardson's Slough #1	2-60.12	40	225.2		101	778+30	3HR1861+03	1	1	4	5,11,30,48,76
Richardson's Slough #2	2-60.11	40	225.2		101	781+90	3HR1865+68	1	1	4	5,11,30,48,76
Over Creek #1	2-60.10	40	224.8		101	796+70		1	4	4	1,11,30,48,76
Over Creek #2	2-60.09	40	224.8		101	800+50		1	4	4	1,11,30,48,76
Over Creek #3	2-60.08	40	224.7		101	803+10	3HR1891+44	1	4	4	1,11,30,48,76
Over Creek #4	2-60.07	40	224.7		101	805+39	3HR1896+30	1	4	4	1,11,30,48,76
Alignment Slough #1	2-60.06	40	224.1		101	836+40	3HR1945+13	4	4	4	5,11,30,48,61,62,76
Alignment Slough #2	2-60.05	40	224.0		101	841+20	3HR1945+13	4	4	4	5,11,30,48,61,62,76
Alignment Slough #3	2-60.04	40	224.0		101	845+28	3HR1945+13	4	4	4	5,11,30,48,61,62,76
Alignment Slough #4	2-60.03	40	223.9		101	849+30	3HR1945+13	4	4	4	5,11,30,48,61,62,76
Alignment Slough #5	2-60.02	40	223.8		101	855+70	3HR1945+13	4	4	4	5,11,30,48,61,62,76
Alignment Slough #6	2-60.01	40	223.7		101	860+00	3HR1945+13	4	4	4	5,11,30,48,61,62,76
Nugget Creek	2-60	40	223.2		101	886+60	3HR1969+70	4	4	4	5,11,30,20,21,34,48,76
Wolf Pup Creek	2-59	40	222.7		102	906+50	3HR1990+56	4	4	3	5,11,20,30,34,48,76
Sheep Creek	2-53	40	222.2		102	933+00	3HR2018+85	1	4	4	5,11,20,21,29,30,34,48, 76
Cushing Creek	2-52.01	39	222.0		102	948+60	3HR2033+06	4	4	4	5,11,20,30,48,76
Gold Creek	2-52	39	221.4		102	976+00	3HR2059+11	1	4	3	3,5,11,17,20,21,29, 30,31,34,48,64,76
Linda Creek	2-51	39	220.9		102	1001+18	3HR2087+21	4	4	4	5,11,17,20,21,29,30,31, 34,48,76
Valve Site Creek	2-49.07	39	218.6		102	1121+05	3HR2203+04	4	3	3	11,20,30,76
Rocky Creek #1	2-49.06	38	216.2		103	1250+60	3HR2326	1	1	4	11,30,64,76
Rocky Creek #2	2-49.05	38	216.1		103	1258+30	3HR2326	1	1	4	11,30,64,76
Rocky Creek #3	2-49.04	38	215.9		103	1269+10	3HR2326	1	1	4	11,30,64,76
Sukakpak Creek	2-49.03	38	215.2		103	1305+00	3HR2373+80	1	1	4	5,11,20,21,30,31,61, 62,76
North Fork Sukakpak Creek	2-49.02	38	214.7		103	1332+20	3HR2447+70	4	4	4	11,20,21,30,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AAMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Unnamed Creek	2-49.01	38	214.2		103	1353+23	3HR2440	1	4	4	11,30,76
Middle Fork Koyukuk River	2-49	38	214.1-213.6		103	1361+45	3HR2440+47	1	4	4	1,3,5,11,13,17,20,21,29,30,31,38,48,74,76
Wayback Creek	2-48.04	38	213.4		103	1408+00	3HR2485	4	1	4	11,30,48,76
Millie's Meander	2-48.03	38	213.0		103	1418+76	3HR2489+68	1	4	4	11,30,31,48,64,70,76
Unnamed Creek	2-48.02	38	212.6		103	1444+19	3HR2528+00	1	4	3	11,20,30,76
Eva's Alv	2-48.01	38	211.3		103	1507+08	3HR2583+84	4	1	4	11,20,30,48,76
Dietrich River Floodplain	2-48	38	211.0		104	1526+55	3HR2604+66	1	1	1	1,3,5,11,17,20,21,29,30,31,37,38,48,61,62,76,77
1415 Lake Inlet	2-46.01	38	210.4		104	1556+18	3HR2631+80	4	4	4	11,30,76
Brockman Creek	2-46	37	209.7		104	1581+87	3HR2662+07	4	1	2	11,20,21,29,30,48,64,76
Steitz Lake Outlet	2-45.04	37	209.2		104	1607+52	3HR2703	1	1	4	11,20,21,30,48,64,70,76
South Branch Airport Creek	2-45.03	37	208.6		104	1637+70	3HR2728+26	4	4	4	11,20,30,76
Middle Tributary Airport Creek	2-45.02	37	208.4		104	1644+93	3HR2736+41	4	4	4	11,20,30,76
Airport Creek	2-45.01	37	207.8		104	1681+92	3HR2775+58	1	4	4	11,20,30,48,76
Disaster Creek	2-45	37	207.1		104	1719+41	3HR2809+90	4	4	4	3,5,11,20,29,30,48,64,76
Unnamed Creek	2-43.07	37	206.8		104	1736+51	3HR2826+88	4	4	4	11,30,76
Trap Slough	2-43.06	37	206.6		104	1747+44	3HR2847+57	4	4	4	11,30,76
Dietrich River	2-43.05	37	206.4		104	1756+00		1	1	4	1,3,5,11,17,20,21,29,30,31,37,38,48,76
Dietrich River	2-43.04	37	205.7		104			1	1	4	1,3,5,11,17,20,21,29,30,31,37,38,48,61,62,76
Sahr's Slough	2-43.03	37	205.6		104	1795+99	3HR2889+08	4	4	4	5,11,30,76
Meadow Slough	2-43.02	37	205.4		104	1801+00	3HR2892+78	4	4	4	11,30,76
Unnamed Creek	2-43.01	37	204.8		104	1831+09	3HR2925+28	4	4	4	11,30,76
Snowden Creek	2-43	36	204.1		105	1870+20	3HR2959+42	1	4	4	3,5,11,17,20,21,29,30,34,48,64,76
Unnamed Creek	2-41.05	36	203.6		105	1897+49	3HR2978+20	1	4	4	11,30,76
Snowden Pond Outlet	2-41.04	36	203.4		105	1906+65	4HR1984	4	4	4	5,11,20,30,76
Numbers Lake Creek	2-41.03	36	202.7		105	1941+95	4HR3026+13	4	4	4	1,5,11,20,30,48,76
Dunder's Dribble	2-41.02	36	202.6		105	1947+73	4HR3036	1	1	4	5,11,30,31,48,76
Stanzla Creek	2-41.01	36	202.5		105	1952+70	4HR3060	1	4	4	11,20,30,31,48,76
Ugh Creek	2-41	36	201.6		105	2011+00	4HR3103+51	1	4	4	11,20,30,48,76
Unnamed Creek	2-39.01	36	199.2		106	2123+20	4HR3222+30	4	4	4	11,30,76
Steep Creek	2-39	35	197.2		106	2235+00	4HR3309+86	4	4	4	11,29,30,76
Buff Creek	2-38	35	195.8		106	52+10	4HR3375+85	4	4	4	11,29,30,76
Burger's Bayou	2-36.02	35	195.5		106	72+50	4HR3414+01	1	4	1	1,5,11,20,30,48,76,77
Drainage Material Site #106	2-36.01	35	195.3		106		4HR3447	4	1	1	1,11,30,48,64,76
Unnamed Creek	2-36	35	193.0		107	212+40	4HR3543+02	4	4	4	11,30,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Unnamed Creek	2-49.01	38	214.2		103	1353+23	3HR2440	1	4	4	11,30,76
Middle Fork Koyukuk River	2-49	38	214.1-213.6		103	1361+45	3HR2440+47	1	4	4	1,3,5,11,13,17,20,21,29,30,31,38,48,74,76
Wayback Creek	2-48.04	38	213.4		103	1408+00	3HR2485	4	1	4	11,30,48,76
Millie's Meander	2-48.03	38	213.0		103	1418+76	3HR2489+68	1	4	4	11,30,31,48,64,70,76
Unnamed Creek	2-48.02	38	212.6		103	1444+19	3HR2528+00	1	4	3	11,20,30,76
Eva's Alv	2-48.01	38	211.3		103	1507+08	3HR2583+84	4	1	4	11,20,30,48,76
Dietrich River Floodplain	2-48	38	211.0		104	1526+55	3HR2604+66	1	1	1	1,3,5,11,17,20,21,29,30,31,37,38,48,61,62,76,77
1415 Lake Inlet	2-46.01	38	210.4		104	1556+18	3HR2631+80	4	4	4	11,30,76
Brockman Creek	2-46	37	209.7		104	1581+87	3HR2662+07	4	1	2	11,20,21,29,30,48,64,76
Steltz Lake Outlet	2-45.04	37	209.2		104	1607+52	3HR2703	1	1	4	11,20,21,30,48,64,70,76
South Branch Airport Creek	2-45.03	37	208.6		104	1637+70	3HR2728+26	4	4	4	11,20,30,76
Middle Tributary Airport Creek	2-45.02	37	208.4		104	1644+93	3HR2736+41	4	4	4	11,20,30,76
Airport Creek	2-45.01	37	207.8		104	1681+92	3HR2775+58	1	4	4	11,20,30,48,76
Disaster Creek	2-45	37	207.1		104	1719+41	3HR2809+90	4	4	4	3,5,11,20,29,30,48,64,76
Unnamed Creek	2-43.07	37	206.8		104	1736+51	3HR2826+88	4	4	4	11,30,76
Trap Slough	2-43.06	37	206.6		104	1747+44	3HR2847+57	4	4	4	11,30,76
Dietrich River	2-43.05	37	206.4		104	1756+00		1	1	4	1,3,5,11,17,20,21,29,30,31,37,38,48,76
Dietrich River	2-43.04	37	205.7		104			1	1	4	1,3,5,11,17,20,21,29,30,31,37,38,48,61,62,76
Sahr's Slough	2-43.03	37	205.6		104	1795+99	3HR2889+08	4	4	4	5,11,30,76
Meadow Slough	2-43.02	37	205.4		104	1801+00	3HR2892+78	4	4	4	11,30,76
Unnamed Creek	2-43.01	37	204.8		104	1831+09	3HR2925+28	4	4	4	11,30,76
Snowden Creek	2-43	36	204.1		105	1870+20	3HR2959+42	1	4	4	3,5,11,17,20,21,29,30,34,48,64,76
Unnamed Creek	2-41.05	36	203.6		105	1897+49	3HR2978+20	1	4	4	11,30,76
Snowden Pond Outlet	2-41.04	36	203.4		105	1906+65	4HR1984	4	4	4	5,11,20,30,76
Numbers Lake Creek	2-41.03	36	202.7		105	1941+95	4HR3026+13	4	4	4	1,5,11,20,30,48,76
Dunder's Dribble	2-41.02	36	202.6		105	1947+73	4HR3036	1	1	4	5,11,30,31,48,76
Stanzla Creek	2-41.01	36	202.5		105	1952+70	4HR3060	1	4	4	11,20,30,31,48,76
Ugh Creek	2-41	36	201.6		105	2011+00	4HR3103+51	1	4	4	11,20,30,48,76
Unnamed Creek	2-39.01	36	199.2		106	2123+20	4HR3222+30	4	4	4	11,30,76
Steep Creek	2-39	35	197.2		106	2235+00	4HR3309+86	4	4	4	11,29,30,76
Buff Creek	2-38	35	195.8		106	52+10	4HR3375+85	4	4	4	11,29,30,76
Burger's Bayou	2-36.02	35	195.5		106	72+50	4HR3414+01	1	4	1	1,5,11,20,30,48,76,77
Drainage Material Site #106	2-36.01	35	195.3		106		4HR3447	4	1	1	1,11,30,48,64,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AIMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Dietrich River Floodplain	2-34.06	34	192.4-197.3		107	248+79-302+00	4HR3579-257+100	1	1	1	1,3,5,11,30,31,62,76,77
Beaver Dam Brook #1	2-34.05	34	191.7		107	295+10	4HR255+58	1	4	4	11,20,27,30,64,76
Beaver Dam Brook #2	2-34.04	34	191.1		107	321+32	4HR280+97	4	4	4	11,30,76
Beaver Dam Brook #3	2-34.03	34	190.9		107	329+88	4HR290+66	4	4	4	11,30,76
Beaver Dam Brook #4	2-34.02	34	190.8		107	334+05	4HR293+50	4	4	4	11,30,76
Beaver Dam Brook #5	2-34.01	34	190.7		107	336+75	4HR296+15	4	4	4	11,30,76
Nutirwik Creek	2-34	34	189.8		107	375+54	4HR343+00	1	4	4	3,5,11,17,20,21,30,31,48,64,67,76
Dietrich River Floodplain	2-32.06	34	189.8-188.1		107	379+39-457+37	4HR399+31-481+82	1	4	1	1,3,5,11,20,21,30,48,62,76,77
Unnamed Spring	2-32.05	34	187.4			496+00		4	4	1	30,41,76
Dietrich River	2-32.04	34	187.4-187.2		107	500+36-513+36		4	4	4	1,3,5,11,21,30,31,76
Dietrich River Floodplain	2-32.03	33	187.0-186.4		108	525+75-556+00	4HR503+72-547+00	4	4	4	1,3,5,11,21,30,62,76
Overwintering Creek	2-32.02	33	185.9		108		4HR553+73	4	1	1	30,40,41,64,76
Dietrich River Floodplain	2-32.01	33	186.0-184.9		108	578+00-621+69		4	1	1	1,3,5,11,21,30,62,76,77
Oskar's Eddy	2-31	33	184.3		108	662+80	4HR632+98	1	4	4	5,11,30,76
Unnamed Creek	2-30.02	33	184.1		108	675+00	4HR649+00	4	3	3	11,20,30,76
Bear Track Creek	2-30.01	33	183.6		108	705+50	4HR678+00	1	4	4	11,20,30,76
Dietrich River Floodplain	2-29.03	33	183.3-182.9		108			4	1	4	1,3,5,11,20,30,60,76
Dietrich River Floodplain	2-29.02	33	182.4-181.1		109			4	1	4	1,3,5,11,20,30,62,76
Andy's Creek	2-29.01	32	180.9		109	840+52	4HR817+50	4	4	4	11,20,21,30,48,76
West Fork of North Fork Chandalar River	2-29	32	179.0-178.7		109	945+23-947+00		4	1	1	1,3,5,11,20,21,30,48,64,76,77
West Fork of North Fork Chandalar River Floodplain	2-28	32	177.3-176.1		109	1030+00-1093+00		4	1	2	1,3,5,11,20,21,30,42,64,76,77
West Fork of North Fork Chandalar River Floodplain	2-28	31	174.6-174.2		109	55+00-78+72		4	4	2	1,3,5,11,20,21,30,42,64,76,77
Atigun River Floodplain	2-27	30-31	171.0-165.1		110-112	247+32	4HR1360-5HR431+53	4	1	3	1,3,5,11,30,31,48,67,76
Unnamed Creek	2-26	29	163.1		111		5HR520+00	4	4	4	11,30,76
Unnamed Creek	2-25.03	29	162.9		111-112		5HR541+66	4	4	4	11,30,76
Unnamed Creek	2-25.02	29	162.8		112		5HR550+80	4	4	4	11,30,76
Unnamed Creek	2-25.01	29	162.5		112		5HR552+37	4	4	4	11,30,76
Trevor Creek	2-25	29	159.8		112	837+00	5HR709+72	1	4	4	11,30,48,64,70,76
Tyler Creek #1	2-24.03	29	159.3		112	871+00	5HR717+90	4	4	4	11,30,48,76
Tyler Creek #2	2-24.02	29	159.0		112	878+65	5HR717+90	1	4	4	11,30,48,76
Tyler Creek #3	2-24.01	29	159.0		112	881+00	5HR717+90	4	4	4	11,30,48,76
Roche Moutonee	2-24	28	153.3		113	1170+91	5HR1053+28	1	1	4	3,11,30,48,57,62,64,76
One-One-Three Creek	2-23.03	28	153.2		113	1176+95		4	4	4	11,30,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AIMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Mainline Spring	2-23.02	27	152.2		113	1226+50	5HR1097	4	1	4	11,30,48,57,62,64,76,77
Holen Creek	2-23.01	27	151.5		114	30+44	5HR1176+47	4	1	4	11,30,48,62,64,76
Vanish Creek	2-23	27	151.4		114	35+24	5HR1161	4	1	4	11,30,48,62,70,76
Unnamed Creek	2-22.05	27	151.3		114	38+70	5HR1164	4	4	4	11,30,76
Tad Creek	2-22.04	27	151.1		114	44+00	5HR1169	4	4	4	11
Tee Lake Outlet #1	2-22.03	27	148.9		114	153+63	5HR1280+85	1	1	4	1,5,11,30,31,48,62,64,70,76
Tee Lake Outlet #2	2-22.02	27	148.9		114	155+29	5HR1280+85	1	1	4	1,5,11,30,31,48,62,64,70,76
Mosquito Lake	2-22.01	27	148.9		114		5HR1334	4	1	4	11,30,48,55,57,76
Atigun River	2-22	27	147.6		114	20+94	5HR1364+44	1	1	2	1,3,5,11,30,31,48,76,77
Jill Creek	2-21.11	25	140.7		115	380+60	6HR229+00	4	4	4	11,30,48,64,76
Jill Creek Tributary	1-21.10	25	140.4		115	395+24	6HR234+75	4	4	4	11,30,48,76
Ed Creek	1-21.09	25	140.0		115	421+74	6HR436+25	4	4	4	11,20,30,48,76
Mack Creek	1-21.08	25	139.6		115	438+29	6HR452+00	4	4	4	11,30,48,76
Terry Creek	1-21.07	25	139.1		115	466+12	6HR490+00	4	4	4	11,30,48,64,76
Moss Creek	1-21.06	25	138.6		115	494+00	6HR500+41	4	4	4	11,30,48,76
Hallock Creek	1-21.05	25	138.4		115	504+27	6HR512+00	4	4	4	11,30,48,76
Yan Creek	1-21.04	25	136.0			629+06	6HR641+00	4	4	4	11,30,48,76
Becky Creek #1	1-21.03	24	134.2		116	721+63	6HR984	4	4	4	1,11,30,48,64,76
Becky Creek #2	1-21.02	24	132.8		116	797+80	6HR984	4	4	4	1,11,30,48,64,76
Holt Creek	1-21.01	24	132.6		116	804+36	6HR985	4	1	4	11,30,48,76
Kuparuk River	1-21	24	131.9		117	842+00	6HR936+50	1	1	2	1,3,5,11,29,30,36,48,64,67,76
East Fork Kuparuk River	1-20.01	23	130.4		117	921+55	6HR911+80	4	4	4	5,11,30,48,64,76
Toolik River	1-20	23	129.5		117	968+30	6HR948+50	4	4	4	3,5,11,29,30,48,64,76
East Fork Toolik River	1-19.01	23	129.4		117	973+30	6HR970+25	4	4	4	11,30,48,76
Oksrukuyik Creek	1-19	22	122.7		118	1325+64	6HR1285+32	1	4	4	1,3,5,11,29,30,48,50,64,76
Shifish Creek #1	1-18.04	22	121.3		118	1395+51		4	4	4	11,30,48,76
Shifish Creek #2	1-18.03	22	120.5		119	1441+26		4	4	4	11,30,48,57,76
Thiele's Trickle	1-18.02	21	119.1		119	1512+60	6HR1518	4	4	4	1,11,30,48,76
Lower Oksrukuyik Creek #1	1-18.01	20	109.5		120	895+76	6HR2109+00	1	1	4	1,11,30,48,57,64,70,76,77
Lower Oksrukuyik Creek #2	1-18	20	109.4		120		6HR2109+00	4	4	2	1,11,30,48,64,70,76,77
Unnamed Creek	1-17.02	20	109.2		120	911+80		4	4	4	11,30,76
Unnamed Creek	1-17.01	20	108.9		120	924+50		4	4	4	11,30,76
Rudy Creek	1-17	19	108.5		120	947+99	6HR2153	4	4	4	3,11,29,30,48,76
Bassett Creek	1-16.03	19	106.9		121	1029+20	6HR2228+14	4	4	4	11,30,48,76
Dennis Creek	1-16.02	19	106.8		121	1033+60	6HR2234+80	4	4	4	11,30,48,76
Climb Creek	1-16.01	19	106.3		121	1060+34	6HR2262+60	4	4	4	11,30,48,64,76
Poison Creek	1-16	19	106.0		121	1077+10	6HR2318+92	1	1	4	11,29,30,48,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Polygon Creek	1-15	19	105.1		121	1125+00	6HR2351+97	1	4	4	11,30,48,64,76
Gustafson Gulch	1-14	18	102.2		122	1280+00	6HR2517+85	4	4	4	11,30,48,63,76
Arthur Creek	1-13	18	101.8		122	1297+50	6HR2536+20	1	4	4	11,29,30,48,63,64,76
Sagavanirktok River Side Channel	1-12.05	18	99.4		122	1424+79	6HR2657+20	1	4	4	11,30,48,64,76
Sagavanirktok River Side Channel	1-12.04	18	99.0		122	1445+85	6HR2684+43	1	4	4	11,30,48,76
Clark's Lake	1-12.03	17	98.4-98.2		122	1481+00-1489+28	6HR2270+86	4	4	4	11,30,48,57,76
Stump Creek	1-12.02	17	98.0		122	1499+00	6HR2770+86	4	1	4	11,30,48,57,63,76
Lori Creek	1-12.01	17	93.0		123	1719+50	6HR2974+15	4	4	4	11,30,48,63,70,76
Charlotte Creek	1-12	16	91.0		123		6HR3083+19	1	4	2	11,29,30,64,76
Happy Valley Camp Creek	1-11	16	87.3		124		6HR3259+77	1	4	3	3,5,11,29,30,48,63,64,76
Milke Creek	1-10	16	86.6		124		6HR3296+20	1	1	4	3,11,29,30,48,63,64,76
Stout Creek	1-9	15	83.1		124		6HR3471+69	1	4	4	11,30,48,64,70,76
Sagavanirktok River Side Channel	1-8.03	15	81.9-81.5		125	469+75		4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-8.02	15	81.9-81.5		125	489+35		4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-8.01	15	81.9-81.5		125	492+70		4	4	4	11,30,48,76
Spoiled Mary Creek	1-8	15	81.5		125	493+95	6HR3535+62	1	4	4	11,29,30,48,76
Sagavanirktok River Side Channel	1-7.11	14	79.2		125	616+70		4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-7.10	14	78.8		125	632+50		4	2	3	11,30,48,57,76
Sagavanirktok River Side Channel	1-7.09	14	78.7		125	637+00		4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-7.08	14	78.6		125	643+50		4	2	3	11,30,48,57,76
Sagavanirktok River Side Channel	1-7.07	14	78.2		125	666+00		4	2	3	11,30,48,57,76
Sagavanirktok River Side Channel	1-7.06	14	77.7		125	696+00		4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-7.05	14	77.7		125	697+50		4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-7.04	14	77.3		125	714+00		4	1	4	11,30,48,57,76
Sagavanirktok River Side Channel	1-7.03	14	77.0		125	734+30		4	1	4	11,30,48,57,76
Sagavanirktok River Side Channel	1-7.02	14	76.7		125	747+12		4	1	4	11,30,48,57,76
Sagavanirktok River Side Channel	1-7.01	14	75.9		126	790+40		4	4	4	11,30,48,76
Mark Creek	1-7	14	75.8		126	791+40	6HR3840+41	1	1	4	3,11,29,30,48,63,76
Toolik River Tributary	1-5.49	13	69.2		126W		6HR4195+99	4	4	4	11,30,42,43,76
Unnamed Creek	1-5.48	12	63.9		126W		6HR4481+00	4	4	4	11,30,42,43,76

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Wood Creek #1	1-5.47	11	59.0		128	210+92	7HR486+16	4	1	4	11,30,64,76
Wood Creek #2	1-5.46	11	58.9		128	215+96		4	1	4	11,30,48,64,76
Wood Creek #3	1-5.45	11	58.5		129	233+50		4	1	4	11,30,48,76
Wood Creek #4	1-5.44	11	58.4		129	242+80		4	4	4	11,30,76
Wood Creek #5	1-5.43	11	58.3		129	246+20		4	4	4	11,30,76
Wood Creek #6	1-5.42	11	58.1		129	258+60		4	4	4	11,30,76
Wood Creek #7	1-5.41	11	58.0		129	265+76		4	4	4	11,30,76
Wood Creek #8	1-5.40	11	57.7		129	281+50		4	4	4	11,30,48,76
Wood Creek #9	1-5.39	11	57.1		129	322+66		4	1	4	11,30,48,64,76
Wood Creek #10	1-5.38	10	56.5		129	355+07		4	4	4	11,30,76
Wood Creek #11	1-5.37	10	56.4		129	360+60		4	4	4	11,30
Wood Creek #12	1-5.36	10	55.8		129	395+41		4	4	4	11,30,48,76
Extension Creek #1	1-5.35	10	55.4		129	410+52		4	4	4	11,30,48,76
Extension Creek #2	1-5.34	10	55.4		129	412+57		4	4	4	11,30,48,76
Extension Creek #3	1-5.33	10	55.1		129	430+57		4	4	4	11,30,76
Extension Creek #4	1-5.32	10	55.1		129	432+00		4	4	4	11,30,48,76
Extension Creek #5	1-5.31	10	53.9		129	492+35		4	4	4	11,30,48,76
Extension Creek #6	1-5.30	10	53.8		129	499+16		4	4	4	11,30,48,76
Extension Creek #7	1-5.29	10	53.2		129	531+00		4	4	4	11,30,48,76
Extension Creek #8	1-5.28	10	53.0		129	539+10		4	4	4	11,30,76
Unnamed Pond	1-5.27	9	50.0		130	702+00		4	4	4	11,30,76
Ghost Creek #1	1-5.26	9	49.5		130	728+68		4	4	4	11,30,48,76
Ghost Creek #2	1-5.25	9	49.3		130	736+81		4	4	4	11,30,48,76
Ghost Creek #3	1-5.24	9	48.9		130	756+49		4	4	4	11,30
Ghost Creek #4	1-5.23	9	48.7		130	768+86		4	4	4	11,30
Ghost Creek #5	1-5.22	9	48.0		130	804+68		4	4	4	11,30,48,76
Ghost Creek #6	1-5.21	9	47.6		130	826+22		4	4	4	11,30,48,76
Ghost Creek #7	1-5.20	9	47.5		130	831+23		4	4	4	11,30,48,76
Ghost Creek #8	1-5.19	9	47.3		130	843+08		4	4	4	11
Ghost Creek #9	1-5.18	9	47.2		130	846+16		4	4	4	11
Ghost Creek #10	1-5.17	9	47.1		130	853+25		4	4	4	11
Ghost Creek #11	1-5.16	9	46.7		131	871+81		4	4	4	11,30,48,76
Ghost Creek #12	1-5.15	9	46.3		131	892+55		4	4	4	11,30,48,64,76
Ghost Creek #13	1-5.14	9	46.1		131	905+20		4	4	4	11,30,48,76
Ghost Creek #14	1-5.13	8	45.7		131	924+58		4	4	4	11
Ghost Creek #15	1-5.12	8	45.6		131	937+85		4	4	4	11,30,48,76
Ghost Creek #16	1-5.11	8	45.3		131	957+04		4	4	4	11,30,48,76
Ghost Creek #17	1-5.10	8	45.1		131	958+00		4	1	4	11,30,76
Sagavanirktok River Side Channel	1-5.09	8	43.5		131	1042+70		4	4	4	11,30,43,48,76
Sagavanirktok River Side Channel	1-5.08	8	42.9		131	1076+42		4	4	4	11,30,43,48,76
Sagavanirktok River	1-5.07	8	42.6		131	1095+00		4	4	4	11,30,43,48,76
Sagavanirktok River	1-5.06	8	42.4		131	1106+70		4	4	4	11,30,43,48,76
Sylvia Creek	1-5.05	7	38.4		132	1316+45	7HR1624+77	1	4	3	11,30,48,76
Unnamed Pond	1-5.04	7	37.9		132			3	3	4	11,43

Provisional List of Waterbodies (cont'd)

Waterbody	NPSI	NPAS	NPMP	AHMP	Alyeska AS	Alyeska Pipe Station	Haul Road Station	Criteria			References
								Spring	Fall	Winter	
Sagavanirktok River Side Channel	1-5.03	7	37.9		132	4822+81	7HR1655+59	4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-5.02	7	38.1		132	4827+89		1	4	4	11,30,43,48,76
Unnamed Creek	1-5.01	7	35.4		132	4951+44		4	4	4	11,30,48,76
Sagavanirktok River Floodplain	1-5	6-7	35.4-32.7		132-133	4951+44-5103+20		4	4	4	11,30,48,76
Sagavanirktok River Side Channel	1-4.05	6	30.6		133	5211+48		4	4	4	11,30,43,48,76
Sagavanirktok River Side Channel	1-4.04	6	30.5		133	5215+30		4	4	4	11,30,43,48,76
Sagavanirktok River Side Channel	1-4.03	6	30.1		133	5238+76		4	4	4	11,30,43,48,76
Sagavanirktok River Side Channel	1-4.02	6	30.0		133	5243+53		4	4	4	11,30,43,48,76
Sagavanirktok River Side Channel	1-4.01	6	29.9		133	5251+05		4	4	4	11,30,42,48,76
Sagavanirktok River Floodplain	1-4	5	27.3-25.5		134	5396+10-5459+93		1	1	1	11,30,43,48,76,77
Unnamed Creek	1-3.02	5	23.0		135	806	7HR2482+36	4	4	4	11,30,76
Unnamed Lake	1-3.01	4	17.2		137			4	4	4	11,30,76
Little Putuligayuk River	1-3	2	10.2			1478+52		4	3	3	3,11,30,48,57,76
Pump Station #1 Drainage Ditch	1-2	1	4.8					4	4	4	30,42,43,48,76
Putuligayuk River	1-1	1	3.2					4	1	3	27,30,40,43,48,57,76