INTERIOR ALASKA SUBAREA CONTINGENCY PLAN

SENSITIVE AREAS

SECTION

SENSITIVE AREAS: INTRODUCTION

This section is intended for use by the On-Scene Coordinators (OSC) during the initial phase of a spill event to assist in ascertaining the location and presence of spill-sensitive biological and cultural resources, services and users in the Interior Subarea. This information is specific to this subarea. No attempt has been made to duplicate information contained in easily accessible existing documents. This section, therefore, must be used in conjunction with the referenced materials and informational contacts identified herein. More detailed and current data should be available from on-scene resource experts when they become engaged in the response. This information is geared toward early response. If appropriate, natural resources trustees may be conducting natural resource damage assessment (NRDA) activities in conjunction with response activities. Information regarding NRDA activities should be directed to the natural resources trustees or to their appointed NRDA Liaison.

Often, the most detailed, up-to-date biological and resource use information will come from people who live and work in the impacted area. People from the local community are often knowledgeable sources for information related to fishing, hunting, non-consumptive outdoor sports, and subsistence use. They may also have a good idea of which spill response techniques (especially exclusion and diversion booming) are practicable under prevailing weather and current conditions.

The Alaska Regional Response Team (ARRT) has adopted several documents (see the *Alaska Federal/State Contingency Plan for Response to Oil & Hazardous Substance Discharges/Releases* (*Unified Plan*)) that address decision-making to help protect sensitive areas and resources. These documents (and their location) include:

- *ARRT Oil Dispersant Guidelines for Alaska* (see *Unified Plan, Annex F, Appendix 1*)
- *In Situ Burning Guidelines for Alaska* (see *Unified Plan, Annex F, Appendix 2*)
- *Wildlife Protection Guidelines for Alaska* (see *Unified Plan, Annex G, Appendix 1)*
- *Alaska Implementation Guidelines for Federal OSCs for the Programmatic Agreement on Protection of Historic Properties during Emergency Response under the National Oil and Hazardous Substances Pollution Contingency Plan Protection of Historic Properties* (see *Unified Plan, Annex M*)

In addition, Federal OSCs in Alaska are working in cooperation with the U.S. Department of the Interior and the National Marine Fisheries Service (NMFS) to ensure response activities are conducted meet Endangered Species Act requirements, in accordance with the 2001 *Inter-Agency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act National Oil and Hazardous Substances Pollution Contingency Plan* (see *Unified Plan, Annex K*).

In addition, the *Unified Plan, Annex N* includes *Shoreline Cleanup and Assessment Guidelines*, which provide helpful information on cleanup options by shoreline type.

This section and the guidelines in the *Unified Plan* are also intended for use by facility/vessel operators in developing industry oil spill prevention and contingency plans. For an operator's facility or area of operation, industry contingency plans describe: (a) environmentally sensitive areas and areas of public

concern; (b) how sensitive areas would be prioritized during a spill event; and (c) response strategies to protect sensitive areas at risk. The information in industry plans should be consistent with subarea contingency plans.

The definition of sensitive resources and their geographic locations requires use of field observations and data available from published and non-published materials or through additional field work. Identifying relative priorities among resources and resource uses takes considerable coordination and discussion among resource management agencies. With the limited time and funds available for subarea contingency plan development (there are ten such plans covering the state of Alaska), not all the detailed information about every possible resource at risk is included. Future updates to this document will continue to add information relevant to response activities.

Many of the maps presented in this section are available online at:
www.asgdc.alaska.gov/maps/cplans/subareas.html

Suggestions, comments, and more current information are requested. Please contact either:

U.S. Department of the Interior
Office of Environmental Policy and Compliance
1689 C Street, Room 119
Anchorage, Alaska 99501
Phone: 271-5011
Fax: 271-4102

Alaska Department of Fish and Game
Divison of Habitat
1300 College Road
Fairbanks, Alaska 99701
Phone: 459-7289
Fax: 459-7303

SENSITIVE AREAS: PART ONE – INFORMATION SOURCES

AGENCY	RESOURCES	POINT OF CONTACT
Fish and Wildlife and Habitat Resources		
Alaska Department of Fish and Game	Fish, birds, terrestrial mammals	Division of Habitat Fairbanks - 459-7280
U.S. Department of the Interior	Migratory birds, endangered species, anadromous fish in freshwater, bald eagles, wetlands	Office of Environmental Policy & Compliance Anchorage - 271-5011
University of Alaska	Rare and endangered plants	Alaska Natural Heritage Program Anchorage - 257-2785
Cultural and Archaeological Sites		
Alaska Department of Natural Resources	Historic sites, archaeological sites, national register sites	Alaska Office of History and Archaeology Anchorage - 269-8721
U.S. Department of the Interior	Archaeological/historical sites in park and wildlife refuge system units, public lands, Native allotments/trust lands; sunken vessels	Office of Environmental Policy & Compliance Anchorage - 271-5011
Shoreline Types		
U.S. Department of Commerce, National Oceanic & Atmospheric Administration	Shoreline types, environmental sensitivity index maps	Scientific Support Coordinator Anchorage - 428-4143
Land Ownership and Classifications/Designations		
Alaska Department of Natural Resources	State lands, state parks and recreation areas, state forests, tidelands	Division of Mining, Land, and Water Anchorage - 269-8565
Alaska Department of Fish and Game	State game refuges and critical habitats	Division of Habitat Fairbanks - 459-7280
U.S. Department of the Interior	National parks and preserves, national historic sites, national monuments, national wildlife refuges, public lands, national recreation areas, wild and scenic rivers, wilderness areas, Native trust lands	Office of Environmental Policy & Compliance Anchorage - 271-5011
U.S. Department of Defense	Military installations and reservations	Alaska Command Anchorage - 552-3944

AGENCY	RESOURCES	POINT OF CONTACT
Local Governments: – Fairbanks Northstar Borough – Denali Borough	Municipal and private lands, and rights-of-way	For the current local government contact information, go to *Resources Section, Part One Community Profiles* For the current tribal contact information, go to *Resources Section, Part Three Information Directory, Native Organizations and Federally Recognized Tribes*
Commercial Harvest		
Alaska Department of Fish and Game	Commercial, subsistence and personal use seasons/schedules	Division of Commercial Fisheries Fairbanks - 459-7387
Alaska Department of Natural Resources	Tideland leases	Division of Mining, Land, and Water Anchorage - 269-8565
Alaska Department of Environmental Conservation	Seafood processing	Division of Environmental Health Juneau - 269-7644
U.S. Department of Commerce National Marine Fisheries Service	Fishing permits, seasons	Protected Resources Division Anchorage - 271-5006
Subsistence, Personal, and Sport Uses		
Alaska Department of Fish and Game	Subsistence, personal uses, navigable waters, sport hunting and fishing	Information Desk Fairbanks - 459-7206
U.S. Department of the Interior	Subsistence uses on Federal lands and reserved waters; subsistence uses of: sea otters and migratory birds	Office of Environmental Policy & Compliance Anchorage - 271-5011
Recreation and Tourism Uses		
Alaska Department of Natural Resources	State parks and recreation areas, anchorages, boat launches, campgrounds, State public lands	Division of Parks and Outdoor Recreation Fairbanks - 451-2695
Alaska Department of Fish and Game	Sport hunting and fishing	Information Desk Fairbanks 907-459-7206
Alaska Department of Commerce, Community & Economic Development	Seasonal events and activities, travel, outdoor activities, local visitor bureaus, tourism industries	Alaska Office of Tourism Development Juneau 907-465-5478

AGENCY	RESOURCES	POINT OF CONTACT
U.S. Department of the Interior	Recreation uses in park and wildlife refuge system units and Federal public lands	Office of Environmental Policy & Compliance Anchorage - 271-5011
Water Intake and Use Facilities		
Alaska Department of Environmental Conservation	Public drinking water wells, treatment, and storage, fish processing facilities	Division of Water Anchorage - 269-7601
Alaska Department of Fish and Game	Hatcheries	Division of Sport Fish Fairbanks - 459-7228
Alaska Department of Natural Resources	Tidelands leases, aquaculture sites, private logging camps and log transfer facilities	Division of Mining, Land, and Water Juneau - 465-3400
U.S. Coast Guard	Marinas and docks, mooring buoys	Sector Anchorage Anchorage - 271-6700

SENSITIVE AREAS: PART TWO – AREAS OF ENVIRONMENTAL CONCERN

A. BACKGROUND/CRITERIA

The following relative priority listing was developed by the Sensitive Areas Workgroup, with representatives from state and federal agencies and the private sector. The list identifies priorities for resources by designations of major, moderate, and lesser concern. Resources are not prioritized within each designation. These designations are for consideration in initial spill response activities, they are not applicable to extended clean-up activities. This prioritization scheme must be used in conjunction with spill-specific information (e.g., size and location of spill, type of product, trajectory) to determine the actual protection priorities for that discharge. Specific guidance to OSCs for protecting cultural resources is contained in the *Unified Plan, Annex M*.

The following criteria were developed as a tool to establish levels of concern. These criteria are not listed in a priority order.

Criteria for Relative Priority Rating

- Human economic disruption -- economic/social value; human food source disruption
- Mortality -- wildlife, fish, other organisms (number potentially killed in relation to abundance)
- Animal displacement and sensitivity to displacement
- Aesthetic degradation
- Habitat availability and rarity
- Sublethal effects, including sensitivity to physical or toxic effects of oil or hazardous substances and long-term affects to habitat, species, or both
- Threatened and endangered species, and/or other legal designation
- Persistent concentration of oil or hazardous substances
- Reproduction rate or recolonizing potential
- Relative importance to ecosystem
- Potential for physical contact with spill--pathway of oil or hazardous substances
- Resource sensitivity to response countermeasure

B. AREAS OF MAJOR CONCERN

- Threatened or Endangered Species Habitat
- Waterfowl Molting and Spring Concentration Areas
- Eagle Nest Sites
- Anadromous Fish Habitat (spawning and rearing streams, overwintering fish habitat, migratory corridors)
- Caribou Insect Relief and Calving Areas
- Land Management Designations:
  - Federal:
    - Wilderness
    - Wild and Scenic Rivers
    - National Natural Landmarks
  - State:

        - Refuges
- Cultural Resources/Archaeological Sites:
    - National Historic Landmarks
    - Burial Sites
    - National Register Eligible Village Sites
- Subsistence Harvest Areas
- High Use Commercial Salmon Harvest Areas
- High Recreational Use Areas

C. AREAS OF MODERATE CONCERN

- Waterfowl Nesting and Fall Concentration Areas
- Resident Fish Habitat (spawning and rearing streams, migratory corridors, overwintering fish habitat)
- Moose Calving Concentration Areas
- Bear Concentration Areas (berries; salmon)
- Land Management Designations:
    - Federal:
        - National Parks
        - National Wildlife Refuges
    - State:
        - Ranges and Areas Designated Primarily For Wildlife Habitat
- Cultural Resources/Archaeological Sites:
    - National Register Eligible Sites (other than village sites)
    - Sites Adjacent to Shorelines
- Commercial Salmon Harvest Areas
- Recreational Use Areas

D. AREAS OF LESSER CONCERN

- General Freshwater Fish Habitat
- Waterfowl General Distribution
- Land Management Designations:
    - Federal:
        - Public Lands
        - National Preserves
    - State:
        - General Public Lands

E. AREAS OF LOCAL CONCERN

Goldstream Creek/Chatanika River: Harvest of pike is significant at the confluence of Goldstream Creek and Chatanika River from February through March during aggregation of larger females. This area is an identified special harvest area for pike which requires an Alaska Department of Fish & Game (ADF&G) subsistence use permit with harvest restrictions; there are very few other such locations in the State with this level of pike management interest. This is a congregating area for large pre-spawning female pike which will later disperse throughout the Minto Lakes area. Fairbanks residents know about the area and at times, intensively target the fishing opportunity. Minto residents have subsistence fish camps that target pike near that area. Goldstream Creek is the drainage for Borough residential, mining and includes the rail corridor which all could source an oil spill. The Chatanika River has the highway crosssing, TAPs, and Fort Knox as potential sources for a spill.

SENSITIVE AREAS: PART THREE – RESOURCE SENSITIVITY

The following sensitivity tables were developed by the State and Federal Natural Resources Trustees with legislative responsibility for management and protection of these resources. This includes the following agencies: NMFS, U.S. Fish and Wildlife Service (USFWS), National Park Service, Bureau of Land Management (BLM), ADF&G, and Alaska Department of Natural Resources (ADNR). This information is a summary derived from recent field studies, research reports, long-term monitoring, stakeholder input, and local knowledge. Periods and/or conditions when resources are of varying levels of concern (low, medium, high) with respect to affects from an oil spill are noted in the following tables. Susceptibility for each group of animals is year round unless otherwise noted in the Seasonal Sensitivity row that is added for the appropriate animal group.

Geomorphology

Category	Low	Medium	High
Lake and River Habitat Types	Rocky cliffs, bedrock, sandy beaches	Gravel beaches, exposed flats	• Marshes • Vegetated low banks • Flowing fish-bearing Freshwater • Riparian habitats
Upland Habitat Types			Riparian habitats

Brown Bear/Black Bear

Category	Low	Medium	High
Seasonal Sensitivity [1]	Nov 1 - April 30	May 1 - Oct 31	
Human Harvest	Jun 1 - Aug 30 (brown bear) Oct 31 - Mar 31(brown & black bears)		April 1 - May 31 Sept 1 - Oct 30 (brown bear) April 1 - Oct 30 (black bear)

1. - Some bears may emerge from their dens in April. All non-denning bears are of moderate concern, but for practical reasons, protection measures will likely focus on concentration areas.

Brown Bear/Black Bear Critical Life Periods

Denning	Nov – May
Berry Area Concentrations	June – Sept
Salmon Stream Concentrations	July - Oct

Caribou

Category	Low	Medium	High
Abundance[2]			
Seasonal Sensitivity	Sept 1 – May 20		May 20 – Sept 30
Human Harvest	Oct 1 – Aug 10		Aug 10 – Sept 30

[2] - There are thirteen caribou herds that utilize various portions of this region. Depending on the herd, abundance may vary widely. As a result, specific abundance figures have not been established for use in prioritizing protection sites.

Caribou Critical Life Periods

Calving	June
Insect Relief Habitat	July - Sept

Moose

Category	Low	Medium	High
Abundance			
Seasonal Sensitivity	Nov 1 – May 15	June 16 – Oct 31	May 16 – June 15
Human Harvest	Oct 1 – Feb 28		Aug 15 – Sept 30

Moose Critical Life Periods

Calving	May - June
Wintering Areas	Oct - April

Waterfowl

Category	Low	Medium	High
Abundance	Oct 15 – Apr 1	May 15 – Oct 15	Apr 2 – June 14
Seasonal Sensitivity	Oct 15 – Apr 1	May 15 – Oct 15	Apr 16 – August 31
Human Harvest	Nov 1 – Apr 1	July 15 – Aug 31	Apr 2 – Jun 14 Sept 1 – Oct 15

Waterfowl Critical Life Periods

Arrival/Nesting/Broodrearing	April - Aug
Molting Concentrations	July - Aug
Spring Migration	March - May
Fall Migration	Aug - Oct

Bald Eagle/Peregrine Falcon

Category	Low	Medium	High
Abundance			
Seasonal Sensitivity	Oct 1 – Mar 31		Apr 1 - Sept 30[3]

[3] - The period of high susceptibility for bald eagles includes not only the nesting period but also: 1) the month preceding when birds concentrate in limited areas of open water; and 2) the month following the nesting/rearing period when the young of the year are on their own for the first time and somewhat inexperienced.

Bald Eagle/ Peregrine Falcon Critical Life Periods

Nesting/Rearing	May - Aug
Present in the Area[4]	March - Oct

[4]A few eagles are known to stay in the area at selected open water sites throughout the year.

Freshwater Resident Fish

Category	Low	Medium	High
Seasonal Sensitivity		May 1 - Oct 31	Nov 1 – Apr 30
Human Harvest		Dec 1 - May 31	June 1 – Sept 30

Freshwater Resident Fish

Spawning	May-June Sept - Nov
Overwintering	Nov - May

Salmon (Chum, Chinook, Coho)

Category	Low	Medium	High
Abundance[5]			
Seasonal Sensitivity			Jan 1 – Dec 31
Human Harvest	Oct 21 – May 31		June 1 – Oct 20

[5] - Limited abundance information is available for streams located within the Interior Alaska Region. Additionally, because spilled oil will spread downstream in a predictable manner, abundance information will probably not be used in prioritizing protection sites.

Salmon Critical Life Periods

Egg/Fry/Smolt/Overwintering	Year Round
Chinook & Coho Rearing	Year Round
Chinook Spawning	June - Aug
Summer Chum Spawning	June - Sept
Fall Chum Spawning	Sept - Nov
Coho Spawning	Sept - Dec

Anadromous Sheefish

Category	Low	Medium	High
Abundance	June 1 – July 30		Aug 1 - May 31
Seasonal Sensitivity	May 1 – July 30		Aug 1 - Apr 30
Human Harvest		Jun 1 - Jun 30	Jul 1 - Sep 30

Anadromous Sheefish Critical Life Periods

Spawning	Aug - Nov
Overwintering (Eggs/Fry)	Oct - June
Fall Migration	Aug - Oct

Legislatively Designated Land Status

Category	Low	Medium	High
Federal Lands (including military lands)	Public Land	• Recreational Areas • National Park • Wildlife Refuges	• Wild & Scenic Rivers • Critical Habitats • Wilderness Areas
State Lands	Public Land[6]	Recreation Areas	Critical Habitats/ Refuges

[6] Includes navigable waterways

Cultural Resources/Archaeological Sites

Category	Low	Medium	High
Cultural and Archaeological Sites	Cultural Resources that do not meet National Register criteria	National Register eligible sites (excluding villages sites); Sites adjacent to shorelines	• National Historical Landmarks • National Natural Landmarks • Burial sites • National Register eligible village sites

SENSITIVE AREAS: PART FOUR – BIOLOGICAL AND HUMAN USE RESOURCES

A. INTRODUCTION

The background information contained in this section is a mixture of references to readily available documents, knowledgeable contacts, and data not readily available elsewhere. Industry or local government-generated references, such as those listed below that have had agency input and review are incorporated by reference.

See the *Environmental Atlas of the Trans Alaska Pipeline System* (1993), by Alyeska Pipeline Service Company.

The Alyeska Atlas consists of 25 maps covering the length of the Trans-Alaska Pipeline System (TAPS) and brief narratives about mammals, birds and fish found along the TAPS corridor. Each map has an overlay with the following types of information identified:

1. Recreation Sites/Areas
2. Scenic Areas
3. Special Areas
4. Subsistence Use Areas
5. Wildlife Areas (bears, bison, caribou, sheep, fox, wolf, grouse, moose, otter, raptor, swan, waterfowl, whale)
6. Fish Hatchery
7. Fish Stream (Anadromous, Non-anadromous, Overwinter)
8. Site, Den or Nest
9. Direction of View, Migration, Movement or Distribution
10. Oil Spill Containment Site

B. HABITAT TYPES

Shoreline habitats have been defined and ranked according to Environmental Sensitivity Index (ESI) standards produced by the National Oceanic and Atmospheric Administration in *Environmental Sensitivity Index Guidelines* (October 1997). Updated ESI information can be found on the internet at: www.response.restoration.noaa.gov/maps-and-spatial-data/environmental-sensitivity-index-esi-maps.html Note: There are no ESI maps for this subarea.

1. *Shoreline Habitats*

Habitats (estuarine, large lacustrine and riverine) ranked from least to most sensitive (see the following table) are described below:

ESI #1--Exposed impermeable vertical substrates: exposure to high wave energy or tidal currents on a regular basis, strong wave-reflection patterns common, substrate is impermeable with no potential for subsurface penetration, slope of intertidal zone is 30 degrees or greater, attached organisms are hardy and accustomed to high hydraulic impacts.

ESI #2--Exposed impermeable substrates, non-vertical: exposure to high wave energy or tidal currents

on a regular basis, strong wave-reflection patterns regular, substrate is impermeable with no potential for subsurface penetration over most of intertidal zone, slope of intertidal zone is less than 30 degrees, there can be accumulated but mobile sediments at the base of cliff, attached organisms are hardy and accustomed to high hydraulic impacts.

ESI #3--Semi-permeable substrate: substrate is semi-permeable with oil penetration less than 10 cm, sediments are sorted and compacted, slope is less than 5 degrees, sediment and potential for rapid burial mobility is low, surface sediments are subject to regular reworking by waves, there are relatively low densities of infauna.

ESI #4--Medium permeability substrate: substrate is permeable with oil penetration up to 25 cm, slope is between 5 and 15 degrees, rate of sediment mobility is high with accumulation of up to 20 cm of sediments in a single tidal cycle, sediments are soft with low traffic ability, low densities of infauna.

ESI #5--Medium to high permeability substrate: substrate of medium to high permeability which allows oil penetration up to 50 cm, spatial variations in distribution of grain sizes with finer ones at high tide line and coarser ones in the storm berm and at toe of beach, 20 percent gravel, slope between 8 to 15 degrees, sediment mobility is high during storms, sediments are soft with low traffic ability, low populations infauna and epifauna except at lowest intertidal levels.

ESI #6--High permeability substrates: substrate is highly permeable with oil penetration up to 100 cm, slope is 10 to 20 degrees, rapid burial and erosion of shallow oil can occur during storms, high annual variability in degree of exposure and frequency of wave mobilization, sediments have lowest traffic ability of all beaches, natural replenishment rate is the lowest of all beaches, low populations of infauna and epifauna except at lowest intertidal levels.

ESI #7--Exposed flat permeable substrate: flat (less than 3 degrees) accumulations of sediment, highly permeable substrate dominated by sand, sediments are well saturated so oil penetration is limited, exposure to wave or tidal-current energy is evidenced in ripples or scour marks or sand ridges, width can vary from a few meters to one kilometer, sediments are soft with low traffic ability, high infaunal densities.

ESI #8--Sheltered impermeable substrate: sheltered from wave energy and strong tidal currents, substrate of bedrock or rocky rubble, variable in oil permeability, slope greater than 15 degrees with a narrow intertidal zone, high coverage of attached algae and organisms.

ESI #9--Sheltered flat semi-permeable substrate: sheltered from wave energy and strong tidal currents, substrate is flat (less than 3 degrees) and dominated by mud, sediments are water-saturated so permeability is low, width varies from a few meters to one kilometer, sediments are soft with low traffic ability, infaunal densities are high.

ESI #10--Vegetated wetlands: marshes and swamps with various types of emergent herbaceous grasses and woody vegetation over the substrate.

ESI Habitat Ranking

ESI	Estuarine (Marine)	Lacustrine (Lake)	Riverine (Large Rivers)
1 A	Exposed rocky shores	Exposed rocky shores	Exposed rocky banks

ESI	Estuarine (Marine)	Lacustrine (Lake)	Riverine (Large Rivers)
1 B	Exposed, solid man-made structures	Exposed, solid man-made structures	Exposed, solid man-made structures
1C	Exposed rocky cliffs with boulder talus base	Exposed rocky cliffs with boulder talus base	Exposed rocky cliffs with boulder talus base
2A	Exposed wave-cut platforms in bedrock, mud, or clay	Shelving bedrock shores	Rock shoals; bedrock ledges
2B	Exposed scarps and steep slopes in clay		
3A	Fine to medium-grained sand beaches		
3B	Scarps and steep slopes in sand	Eroding scarps in unconsolidated sediments	Exposed, eroding banks in unconsolidated sediments
3C	Tundra cliffs		
4	Course-grained sand beaches	Sand beaches	Sandy bars and gently sloping banks
5	Mixed sand and gravel beaches	Mixed sand and gravel beaches	Mixed sand and gravel bars and gently sloping banks
6A	Gravel beaches	Gravel beaches	Gravel bars and gently sloping banks
6B	Riprap	Riprap	Riprap
7	Exposed tidal flats	Exposed flats	
8A	Sheltered scarps in bedrock, mud, or clay; Sheltered rocky shores (impermeable)*	Sheltered scarps in bedrock, mud, or clay	
8B	Sheltered, solid man-made structures; Sheltered rocky shores (permeable)*	Sheltered, solid man-made structures	Sheltered, solid man-made structures
8C	Sheltered riprap	Sheltered riprap	Sheltered riprap
8D	Sheltered rocky rubble shores		
8E	Peat shorelines		
8F			Vegetated, steeply-sloping bluffs
9A	Sheltered tidal flats	Sheltered sand/mud flats	
9B	Vegetated low banks	Vegetated low banks	Vegetated low banks
9	Hypersaline tidal flats		
10A	Salt- and brackish-water marshes		
10B	Freshwater marshes	Freshwater marshes	Freshwater marshes
10C	Swamps	Swamps	Swamps
10D	Scrub-shrub wetlands; Mangroves	Scrub-shrub wetlands	Scrub-shrub wetlands
10E	Inundated low-lying tundra		

* A category or definition that applies on in Southeast Alaska.

Table from www.response.restoration.noaa.gov/maps-and-spatial-data/shoreline-sensitivity-rankings-list.html.

C. UPLAND HABITATS

At this time, no uplands or wetlands classifications directly related to sensitivity to oil spills has been identified. A general wetlands classification has been developed by the USFWS, National Wetlands Inventory, in Anchorage. Considerable mapping of wetlands has been completed, some of which are available in a GIS database (see the following figure). Updated map data is being placed on the National Wetlands Inventory Internet web site at: www.fws.gov/wetlands/ .

The Wetlands Status map may be viewed at the USFWS Wetlands Data Mapper Service.

http://www.fws.gov/wetlands/Data/mapper.html

D. BIOLOGICAL RESOURCES

1. *Threatened and Endangered Species*

Federally listed threatened and endangered species are protected under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.). If response strategies are proposed in locations where migratory birds and/or marine mammals listed as threatened and/or endangered are (or may be) present, the Federal On-Scene Coordinator (FOSC) will need to immediately consult with the USFWS and/or the NMFS (as appropriate) regarding the proposed strategies, in accordance with the Endangered Species Act Memorandum of Understanding (see the *Unified Plan, Annex K*). Currently there are no threatened or endangered species present in the subarea.

For updated information on the Internet:
USFWS National Threatened and Endangered Species web site: www.fws.gov/endangered/

USFWS Regional Threatened and Endangered Species web site:
www.fws.gov/alaska/fisheries/endangered/

ADF&G Threatened and Endangered Species web site:
www.adfg.alaska.gov/index.cfm?adfg=specialstatus.akendangered

2. *Fish and Wildlife*

(a) FISH

Essential Fish Habitat (EFH)
In 1996 Congress added new habitat provisions to the Magnuson-Stevens Fishery Conservation and Management Act, the federal law that governs U.S. marine fisheries management. Under the Magnuson-Stevens Act, each fishery management plan must describe and identify EFH for the fishery, minimize to the extent practicable the adverse effects of fishing on EFH, and identify other actions to encourage the conservation and enhancement of EFH. Federal agencies must consult with the NMFS on any action they authorize, fund, or undertake that may adversely affect EFH, and the NMFS must provide conservation recommendations to federal and state agencies regarding any action that would adversely affect EFH. Reference information for EFH in the subarea as identified by the NMFS, can be found on their internet site at: http://alaskafisheries.noaa.gov/habitat/efh.htm .

An additional EFH resource is their interactive mapping internet site:
http://www.habitat.noaa.gov/protection/efh/efhmapper/

Almost all of the Interior Subarea is drained by the Yukon River and its tributaries. A few small headwater tributaries of the Kuskokwim River also occur within this region. Most of the flowing waters and many of the lakes support populations of anadromous or resident species of fish. Shallow lakes, oxbows, and seasonally-flooded wetlands connected to streams or rivers may support fish during the summer but may freeze to the bottom in winter. Deep lakes and rivers, and spring-fed stream systems serve as overwintering areas. ADF&G regularly stocks selected lakes and gravel pits along the road system (and a few remote lakes southeast and west of Fairbanks) with arctic grayling, coho salmon, rainbow trout, and arctic char for increased public fishing opportunities.

The most common resident fish found in rivers and lakes in the Interior Subarea include arctic grayling, northern pike, burbot, and whitefishes. Whitefish species include sheefish, humpback, round, and broad whitefish; and least and Bering cisco. Other species that occur in the region include lake trout, slimy sculpin, resident Dolly Varden, longnose sucker, Alaska blackfish, and arctic lamprey.

Resident Fish

Arctic Grayling are distributed widely in most clearwater streams and some of the deeper lakes in the subarea. They spawn in May and June over substrates ranging from silt to gravel in small streams or in lakes. Arctic grayling often feed in shallow streams throughout the summer that may freeze solid in winter. Arctic grayling winter in deep, large rivers or lakes, or in smaller streams if adequate water quality and flow exists throughout the winter.

Whitefish: Broad and humpback whitefish, and least cisco are found commonly in summer in slow-moving waters of sloughs, and interconnected lakes (e.g., Minto, Yukon, and Dulbi Flats), and the lower reaches of large rivers. Round whitefish are found more commonly in streams or lakes. Bering cisco are found in the Yukon River. These five species of whitefish spawn in late September and early October over sand and gravel bottoms of streams and lakes. They generally overwinter in deep, large rivers or lakes.

Sheefish: Populations of resident (non-anadromous) sheefish occur in the Nowitna and Tanana Rivers, and in rivers of the Yukon River drainage upstream of the Dalton Highway to the Alaska-Canada border. Nonanadromous sheefish may occur with anadromous sheefish in the Middle Yukon River or at the mouths of some of its tributaries. Sheefish feed in summer in slow-moving waters of sloughs and interconnected lakes (e.g., Minto Flats), and in the lower reaches of larger rivers. Resident sheefish spawn in late September and early October.

Northern Pike are found commonly in summer in slow-moving waters of sloughs, and interconnected lakes (e.g., Minto, Yukon, and Dulbi Flats), and the lower reaches of large rivers. Northern pike spawn in the spring shortly after breakup in shallow water with emergent vegetation and little current. They overwinter in deep, large rivers or lakes, or in smaller tributary streams, if adequate water quality and flow exists.

Dolly Varden: Stream-resident Dolly Varden occur at isolated locations in small mountain streams within the Yukon, Koyukuk, and Tanana River drainages. They spawn in late September or October.

Burbot are found throughout the subarea, in both clearwater and turbid streams, and in deep lakes. They also are found in summer in interconnected lakes and sloughs in lowland areas such as the Yukon and Minto Flats. Burbot overwinter in deep, large rivers or lakes, or in smaller tributary streams, if adequate water quality and flow exists.

Lake Trout are found in the large deep lakes of the Brooks and Alaska mountain ranges. They spawn in September.

Alaska Blackfish are found in the Yukon-Tanana River drainage as far upstream as Fairbanks. Blackfish occur in ponds, sloughs, and lakes with abundant vegetation. This species tolerates water with low concentrations of oxygen and often occur where no other fish species overwinter.

Longnose sucker: Longnose suckers are common and are widely distributed throughout Northern and Interior Alaska rivers and lakes. These bottom-feeding fish spawn in late spring/early summer as water temperatures rise.

Slimy sculpin: Slimy sculpin are common residents within streams and lakes throughout Interior Alaska. They are bottom-dwellers, cryptically colored, and difficult to see until they move. They spawn in spring, shortly after breakup.

Anadromous Fish: The ADF&G Anadromous Waters Catalog Fish Resource Monitor and Maps may be found at the following web sites: www.extra.sf.adfg.state.ak.us/FishResourceMonitor/ and www.adfg.alaska.gov/sf/SARR/AWC/index.cfm?adfg=maps.maps

Additional information on Anadromous fishes may be found at: www.gis.sf.adfg.state.ak.us/flexmaps/fishresourcemonitor.html

*Sheefish***:** The Yukon River supports a population of anadromous sheefish that spawn in the Koyukuk, Alatna, and Yukon Rivers. They overwinter in the lower Yukon River and nearby brackish water. Fish that will spawn in the current year migrate upstream from the lower Yukon River during breakup. Sheefish enter the Koyukuk River in August and early September and spawn in the Koyukuk River near Hughes and about 55 miles up the Alatna River in late September/early October. Rearing sheefish have not been found in the Koyukuk River, which indicates rearing and overwintering occur in the Yukon River. A portion of the Yukon River anadromous sheefish population spawns in the Yukon Flats, upstream of the Dalton Highway bridge.

Salmon Chinook (king), coho (silver), and chum (dog) salmon occur within the Interior Subarea. Chinooks spawn from early July to mid August in the Koyukuk, Yukon, and Tanana River drainages. *Many Chinook salmon populations are experiencing low production and/or escapement rates. Chum salmon are the most abundant species of salmon and arrive in distinct summer and fall spawning runs. Summer chums spawn from early July through late August in the middle portion of the Yukon River drainage and some tributaries of the Koyukuk and Tanana Rivers. Fall chums spawn from early September through mid November, primarily in spring-fed upwelling areas of the Chandalar, Porcupine and Tanana River drainages. Coho salmon spawn from late September through early December in the Tanana and Upper Yukon River drainages. Known coho salmon spawning areas are located in tributaries of the Upper Tanana River drainage (including the Kantishna, Toklat, Nenana, Delta, and mouth of the Delta Clearwater Rivers). Salmon eggs incubate in the stream gravels over the winter and hatch in late winter. Chum fry migrate to sea following breakup in early May to late June. Chinook and coho fry may remain in fresh water for one or two years before migrating to sea.

Bering cisco: These anadromous whitefish are present in the Yukon River as far upstream as Fort Yukon and in the Porcupine River. Bering cisco spawn in the Yukon River in late September and early October. Overwintering occurs in the lower reaches of the Yukon River and its delta.

Arctic lamprey: Arctic lamprey occur throughout the Yukon and Tanana river drainages. Both anadromous and completely freshwater forms of lamprey occur in these waters. Spawning occurs in spring. Larval lamprey are commonly found burrowed in the sediments of the slower moving portions of rivers (e.g., lower Chena River).

(b) BIRDS: The Interior Subarea provides some of North America's most important wetland areas for nesting waterfowl (ducks, geese, and swans) (see the following figure) and other birds, and serves as an important spring and fall staging area and migratory route for those birds headed to and returning from more northerly or westerly feeding and nesting areas. The Tanana River valley serves as an important migratory pathway for ducks, geese, tundra and trumpeter swans, sandhill cranes and other birds that spend the summer in the Interior and for those that continue flying to other areas. The upper Yukon River valley also serves as a migration route for waterfowl. Major wetland areas used by waterfowl and other birds in the subarea include Minto Flats, Yukon Flats, Koyukuk Flats, Dulbi Flats, Nowitna Flats, Kanuti Flats, Kaiyuh Flats, and small wetland areas along the major rivers. The state's largest concentration of breeding and nesting canvasbacks can be found each summer on small lakes with the Yukon Flats. Waterfowl are concentrated on areas of open water along the major rivers in spring before wetland areas thaw. Islands in the major rivers provide important nesting habitat for geese. Small, isolated springs that remain ice-free year-round may support concentrations of ducks throughout the winter (e.g., 500-600 mallards may winter at Toklat River Springs). In addition to important wetland areas for waterfowl, the Interior Subarea supplies important nesting habitat for passerine birds, and waterbird species, such the wandering tattler, surfbird, spotted sandpiper, and new, herring, and bonaparte's gulls.

Ducks begin arriving in the subarea in early April and continue to arrive through the end of May, although most ducks have arrived by mid May. Nesting begins in mid May, with most eggs hatching from mid June through mid July. Most ducks nest along ponds and lakes that have emergent vegetation. Some ducks (bufflehead, goldeneye, and mergansers) nest in cavities in trees and therefore nest in areas with large trees next to wetlands or streams. Broods are reared on lakes, ponds, flooded wetlands, and rivers. Some ducks begin molting in mid June, most during July, and a few are still in molt condition in late August. Some ducks begin their fall migration in mid July, although most leave from mid August through mid September. Some ducks remain until mid October before leaving at freeze-up.

Geese: Canada and white-fronted geese nest and rear young along lakes, wetlands, and rivers within the subarea. Both Canada and white-fronted geese nest on vegetated river bars. Canada geese also nest in damp meadows. White-fronted geese may nest along the wooded banks of rivers. Both species rear broods along rivers and make extensive use of sedge-lined lakes, exposed mudflats, and river oxbows. Geese begin nesting in mid-to-late May, and most eggs hatch by early July. Molting is from early July through mid August. Most geese leave by late September.

Swans: Both tundra and trumpeter swans occur in the subarea. Concentration areas used by swans include the Tanana Flats, Minto Flats, Yukon Flats, Nowitna Flats, and the Koyukuk Flats. Trumpeter swans generally occupy the central portions of the Interior Subarea (the Minto Flats-Kantishna River area, Yukon Flats), whereas tundra swans occur most commonly in the western Interior (the Koyukuk Flats). Swans nesting in the Kanuti and Nowitna Flats are roughly an equal mixture of tundra and trumpeter swans. Trumpeter swans currently are expanding their breeding range into the Yukon Flats. Swans begin nesting around mid May, and eggs hatch from mid-to-late June. Molting occurs in July and August. Young swans are unable to fly until mid or late September. Swans leave the subarea from late September to mid October.

For more information on waterfowl in Alaska, see the USFWS website at:
www.alaska.fws.gov/mbsp/mbm/waterfowl/waterfowl.htm

Other Waterbirds: Shorebirds, gulls, terns loons, and grebes also nest in wetland areas throughout the subarea.

Grouse and Ptarmigan are year-round residents and are found in habitats ranging from mountains to lowlands. They nest from late May through June.

Raptors commonly occurring in the subarea include golden and bald eagles; osprey; gyrfalcons; peregrine and other falcons; goshawks and other hawks; and owls. Golden eagles, peregrine falcons, gyrfalcons, and rough-legged hawks nest on cliffs, bluffs, or other steep terrain. Hawks and owls commonly use woodlands, forests, and forested wetland areas for nesting areas. Feeding areas used by raptors include most habitats found in the Interior Subarea. Both resident and migratory raptors are found in the subarea.

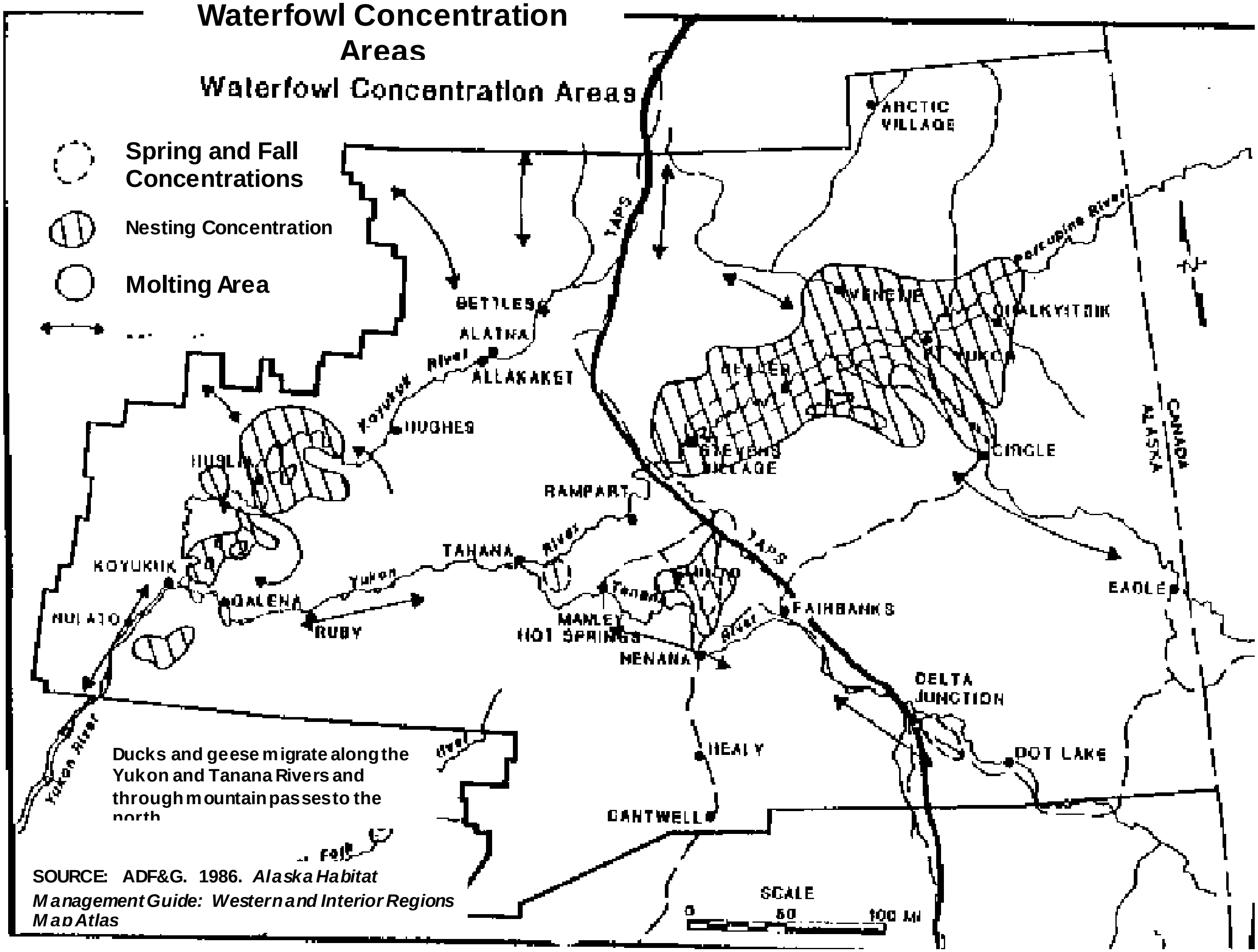
Bald eagles are regularly distributed along the Tanana River and breeding pairs are found at scattered locations along the middle Yukon River, particularly at the mouths of major tributary rivers. A few bald eagles are year-round residents in the Tanana River drainage near Delta, the Delta Clearwater River, and near Harding Lake. Non-resident bald eagles begin arriving in the Interior Subarea in mid March. Nesting begins in late April or early May. Non-resident bald eagles generally leave the subarea from September through November.

Peregrine falcons begin arriving in the subarea in mid-April and remain in the region through September. About 40 pairs nest on cliffs and bluffs along the Yukon River from the Canada-Alaska border to Circle. About 20 pairs nest along the Yukon River from the Fort Hamlin Hills to Tanana. Peregrine falcons also are found at suitable nest sites along the Yukon River downstream of Ruby. The Tanana River has nesting or the potential for nesting peregrine falcons at any bluff or steep slope along its course. Peregrine falcons may be found nesting along other rivers and other locations that have suitable nesting and feeding areas. Prime feeding areas include wetlands containing waterfowl, shorebirds, and other small birds.

Ospreys nest in wetland areas in the Tanana drainage, primarily near Tetlin, but pairs are known to nest north of Tetlin at George Lake and at Shaw Creek Flats.

For more information on landbirds and raptors, see the USFWS web site at:
www.alaska.fws.gov/mbsp/mbm/landbirds/landbirds.htm

Waterfowl Concentration Areas



SOURCE: ADF&G. 1986. *Alaska Habitat Management Guide: Western and Interior Regions Map Atlas*

(c) MARINE MAMMALS

The Interior Subarea is not bordered by marine ecosystems, however, beluga whales have occasionally traveled up the Yukon River many hundreds of miles from the mouth.

(d) TERRESTRIAL MAMMALS

Bison: An introduced herd of bison occur in the Delta area and Copper River valley. The main bison late winter range, summer range and calving grounds are along the Delta River southwest of Donnelly Dome. The fall-early winter range (September through January) is mainly on the east side of the Delta River on the Delta Bison Range, on Fort Greely and in the agricultural areas near Delta. From mid February until mid September, bison occur near or on the Delta River. Calving begins in mid April, peaking from late May through early June. Some bison may calve as late as August.

Caribou are distributed widely in the Interior Subarea. Some herds occur as relatively small, discrete herds occupying a limited area. Other larger herds undertake significant seasonal migrations that may take them out of the region. Calving occurs in late May and early June for the herds that use the subarea. During the peak insect harassment season (mid June to late August), caribou seek insect relief along gravel bars, snow and aufeis fields, glaciers, and on windy mountain slopes and ridges. Summer habitat includes primarily treeless uplands where heath tundra, alpine tundra, and sedge wetlands predominate. Winter habitat includes spruce forests and bog wetlands, ridges, and high plateaus.

The Fortymile Caribou Herd occupies the Tanana-Yukon Uplands between the Yukon and Tanana Rivers during summer and winter, and may range into the Yukon Territory during winter. Calving occurs in the headwater regions of the Charley, Salcha, Goodpaster, and Fortymile Rivers.

The Delta Caribou Herd occupies the mountains and foothills of the north side of the Alaska Range between the Delta and Nenana Rivers. The traditional calving area of this herd lies between the East Fork of the Little Delta River and the Delta River, and calving occurs in the Yanert River valley. Summer range includes mountain and foothill areas; winter range includes these areas plus spruce wetlands of the Tanana Flats.

The Porcupine Caribou Herd is found in northeastern Alaska. Portions of this herd may occur within the Interior Subarea during mid-to-late summer and during winter. In July and August, portions of this herd may be found on the southern slopes of the Brooks Range between Chandalar and the Alaska-Canada border. A portion of the herd may winter on the southern slopes of the Brooks Range in the vicinity of Arctic Village.

The Central Arctic Herd is found in northcentral Alaska. During some winters, a portion of this herd may winter on the south side of the Brooks Range in the vicinity of Chandalar.

The Western Arctic Herd ranges throughout northwestern Alaska. Portions of this herd may winter in some of the major river valleys on the south side of the western and central Brooks Range. Some caribou from this herd occasionally may winter in the Koyukuk River drainage.

Several smaller caribou herds also occur within the Interior Subarea. The Yanert Herd occupies the Yanert River drainage and adjacent headwaters of the Wood River. The Macomb Herd occupies the northern slopes of the Alaska Range between the Delta and Robertson Rivers. The Denali caribou herd occupies the north side of the Alaska Range in the vicinity of Denali National Park. The Sunshine

Mountain Herd occupies an area at the headwaters of the Nowitna and Susulatna Rivers and the Nixon Fork Flats. The White Mountains Herd occupies habitat primarily within the Beaver and Victoria Creek drainages in the White Mountains northeast of Fairbanks. North of the Yukon River, the Ray Mountains Herd inhabits the upper Tozitna and Kanuti Rivers in the Ray Mountains between Rampart and Tanana. The Galena Mountain and Wolf Mountain Herds inhabit portions of the Melozitna and Dulbi Rivers, and the lower Koyukuk Flats.

Black Bear are most common in forested river floodplains and lowlands in the Yukon, Tanana, and Koyukuk River drainages, although black bears occasionally may occur in alpine areas. Important summer habitats include sedge meadows, and areas of shrubs and forest containing berries. They also may feed at salmon spawning areas and in moose calving areas. Black bears begin entering dens for the winter in late September and emerge from dens in the spring from mid April through mid May.

Brown Bear (grizzly bears) primarily occur in upland and mountainous areas of the Interior Subarea, but may occur in lowland areas. Salmon spawning areas (e.g., Toklat River springs, Sheenjek River) and moose calving areas are important feeding areas for some bears. Brown bears enter dens from mid October through November and emerge from early April through late May.

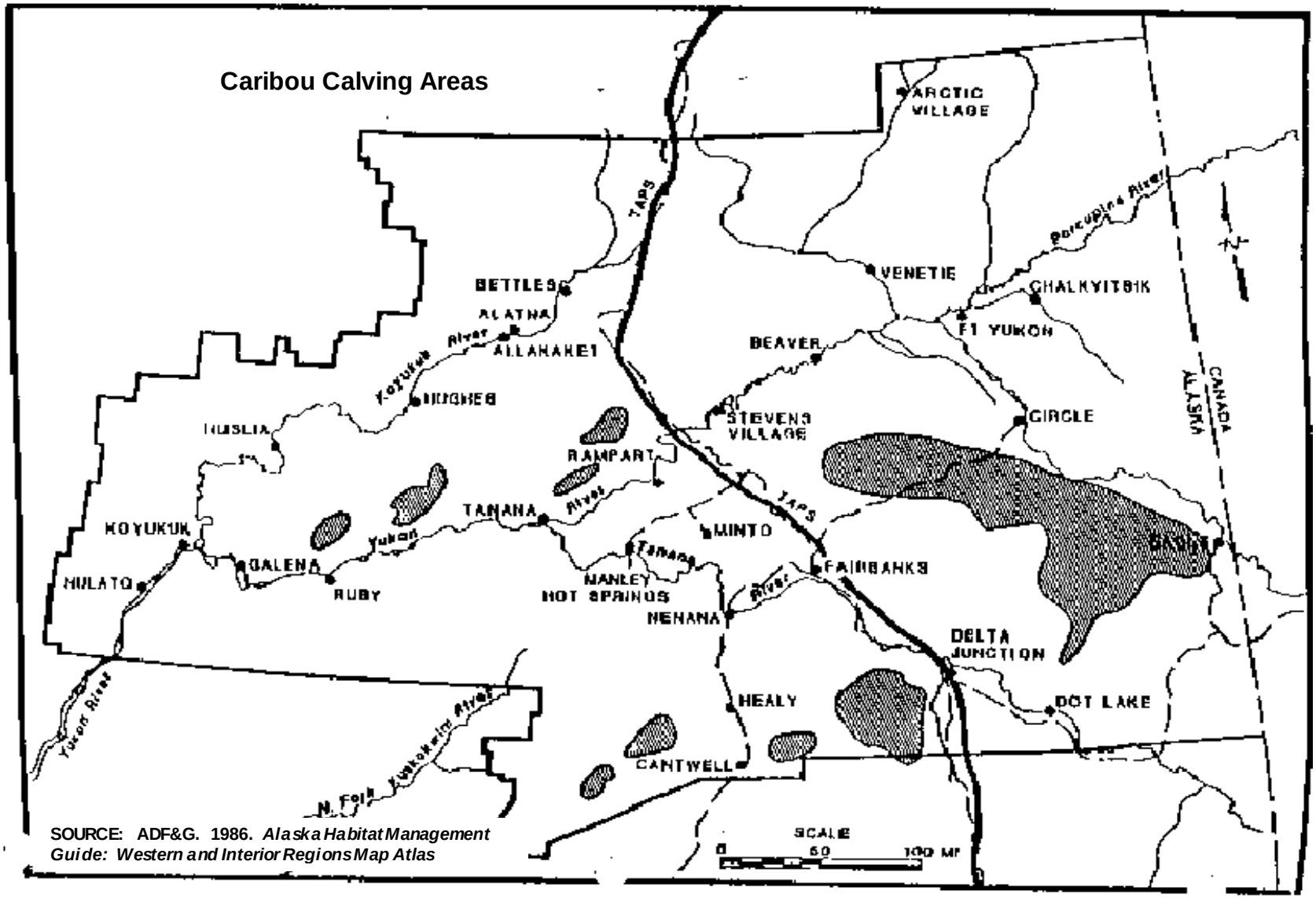
Moose occur in habitats throughout the subarea, ranging from aquatic and riparian floodplain areas to sub-alpine willow-dominated areas. Sedge meadows, ponds and lakes with extensive aquatic vegetation, riparian and subalpine willow stands, and forested areas provide important summer habitat for moose. Important winter habitat includes shrub-dominated uplands and riparian areas, and forested areas. Riparian areas along the major rivers and tributary streams are particularly important during winter. Areas recently burned (11-30 years old: Maier et al., 2005) also provide important feeding areas throughout the year. Calving occurs in late May and early June.

Dall Sheep are found throughout the southern slopes of the eastern and central Brooks Range, and the northern slopes of the eastern and central Alaska Range. Small populations of sheep are present in the Ogilvie Mountains and in limited, discontinuous alpine habitat in the White Mountains and Tanana-Yukon Uplands. Sheep often are concentrated during winter on windblown slopes and ridges along major river valleys where shallow snow cover allows feeding on low-growing plants. During summer, sheep disperse to smaller valleys, mountain peaks, and other areas inaccessible to them during winter. Mineral licks are important habitat that sheep use primarily from late May through mid July, although sheep may be seen at these sites from April through October. Lambing occurs from mid May through mid June.

Wolves and Foxes (red foxes) are found throughout the Interior Subarea. Wolves and foxes select den sites where unfrozen, well-drained soils occur (e.g., dunes, river banks, moraines, hillsides). Wolves generally initiate den construction in early-to-mid May. Pups are born from mid May through early June, and generally leave the den by mid July, although dens may be occupied until August. Red foxes have a reproductive pattern similar to that of wolves.

Aquatic Furbearers: Beaver, mink, muskrat and river otter are common inhabitants of aquatic and riparian floodplain and wetland areas, including marshes, ponds, lakes, streams, and rivers. Females and young are in dens during spring, generally from mid April through June, depending on the species and location.

For more information on terrestrial mammals, see the ADF&G web site at:
http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals



SOURCE: ADF&G. 1986. ***Alaska Habitat Management Guide: Western and Interior Regions Map Atlas***

3. *Vegetation*

Rare plant species are identified below. The following map identifies general locations of rare plants. For further information, contact the Alaska Natural Heritage Program.

Rare Plants Known in the Interior Subarea

Global Rank	State Rank	Scientific Name	Common Name
G1	SP	*Claytonia ogilviensis*	
G1Q	S1	*Cryptantha shackletteana*	Shacklettes' catseye
G2	S2	*Douglasia beringensis*	
G2	S2	*Draba murrayi*	Murray's whitlow-grass
G2	S2	*Draba ogilviensis*	
G2	S1	*Podistera yukonensis*	Yukon podistera
G2G3	S2	*Botrychium ascendens*	
G2G3	S2S3	*Phacelia mollis*	Macbride phacelia
G2G3Q	S2S3	*Oxytropis tananensis*	
G2G3Q	S1	*Ranunculus turneri*	Turner's butter-cup
G3	S1S2	*Antennaria densifolia*	
G3	S3	*Aphragmus eschscholtzianus*	
G3	S3	*Claytoniella bostockii*	Bostock's miner's-lettuce
G3	S3	*Douglasia alaskana*	Alaska rock-jasmine
G3	S2S3	*Douglasia arctica*	Mackenzie river douglasia
G3	S3	*Draba ruaxes*	Rainier whitlow-grass
G3	S2	*Lupinus kuschei*	Yukon lupine
G3	S2S3	*Oxytropis huddelsonii*	
G3	S3	*Oxytropis kokrinensis*	Kokrines oxytrope
G3	S2	*Poa porsildii*	
G3	S3	*Stellaria alaskana*	Alaska starwort
G3	S3	*Symphyotrichum yukonense*	Yukon aster
G3	S3	*Symphyotrichum yukonense*	Yukon aster
G3	S3	*Thlaspi arcticum*	Arctic pennycress
G3G4	S1S2	*Draba porsildii*	Porsild's whitlow-grass
G3G4	S3S4	*Draba stenopetala*	Anadyr whitlow-grass
G3G4	S2S3	*Elymus calderi*	
G3G4	S1S2	*Lesquerella calderi*	Calder's bladder-pod
G3G4	S3	*Papaver alboroseum*	Pale poppy
G3G4Q	S3S4	*Castilleja annua*	Annual indian-paintbrush
G3G4T2?Q	S2?	*Corispermum ochotense var alaskanum*	
G3Q	S3	*Arenaria longipedunculata*	Low sandwort
G3Q	S1	*Artemisia laciniatiformis*	
G3Q	S3	*Taraxacum carneocoloratum*	Pink-flower dandelion
G4	S1S2	*Arnica lonchophylla*	Northern arnica
G4	S2S3	*Carex heleonastes*	Hudson bay sedge
G4	S1	*Carex sychnocephala*	Many-headed sedge
G4	S3	*Douglasia gormanii*	Gorman's douglasia
G4G5	S1S2	*Aster commutatus*	White prairie aster
G4G5	S3S4	*Carex peckii*	White-tinged sedge
G4G5	S1	*Carex sartwellii*	Sartwell's sedge
G4G5	S2S3	*Ranunculus kamchaticus*	
G4G5Q	S2	*Carex lapponica*	
G4G5T4T5	S1	*Carex sartwellii var sartwellii*	Sartwell's sedge

Global Rank	State Rank	Scientific Name	Common Name
G4T2T3Q	S2?	*Phlox richardsonii ssp richardsonii*	Richardson's phlox
G4T3T4	S2	*Ranunculus glacialis var chamissonis*	
G5	S1	*Carex bebbii*	Bebb sedge
G5	S3	*Carex crawfordii*	Crawford sedge
G5	S1S2	*Carex deflexa*	Short-stemmed sedge
G5	S2?	*Carex deweyana*	Short-scale sedge
G5	S3	*Carex eburnea*	Ivory sedge
G5	S1	*Carex praegracilis*	Clustered field sedge
G5	S1	*Carex sabulosa*	Sand sedge
G5	S1	*Ceratophyllum demersum*	Common hornwort
G5	S1	*Chenopodium salinum*	
G5	S1S2	*Cicuta bulbifera*	
G5	S2S3	*Cryptogramma stelleri*	Slender cliff-brake
G5	S2S3	*Cypripedium parviflorum*	Small yellow ladyslipper
G5	S1S2	*Draba paysonii*	Payson's whitlow-grass
G5	S1S2	*Erigeron ochroleucus*	
G5	S2	*Juncus nodosus*	Knotted rush
G5	S2S3	*Juncus tenuis*	Slender rush
G5	SE	*Lactuca tatarica*	Tartarian lettuce
G5	S3S4	*Minuartia biflora*	
G5	S2	*Phacelia sericea*	Silky scorpion-weed
G5	S3	*Phalaris arundinacea*	Reed canary grass
G5	S1	*Polygonum hydropiperoides*	A smartweed
G5	S1	*Potamogeton robbinsii*	Flatleaf pondweed
G5	S2	*Ranunculus auricomus*	
G5	S1	*Schoenoplectus pungens*	
G5	S1	*Scolochloa festucacea*	Sprangle-top
G5	S1	*Sphenopholis intermedia*	
G5	S4	*Tanacetum bipinnatum*	Lake huron tansy
G5	S1	*Townsendia hookeri*	Hooker townsendia
G5?	S1	*Carex sprengelii*	
G5?	S3	*Viola selkirkii*	Selkirk violet
G5T2	S2	*Eriogonum flavum var aquilinum*	Yukon wild-buckwheat
G5T2	S1S2	*Erysimum asperum var angustatum*	A wallflower
G5T3	S3	*Mertensia eastwoodiae*	
G5T3T4	S2	*Saxifraga nelsoniana ssp porsildiana*	Heart-leaf saxifrage
G5T4Q	S2	*Trisetum sibiricum ssp litorale*	Siberian false-oats
G5T4T5	S1S2	*Symphyotrichum falcatum var falcatum*	White prairie aster
G5T5Q	S2	*Glyceria striata var stricta*	

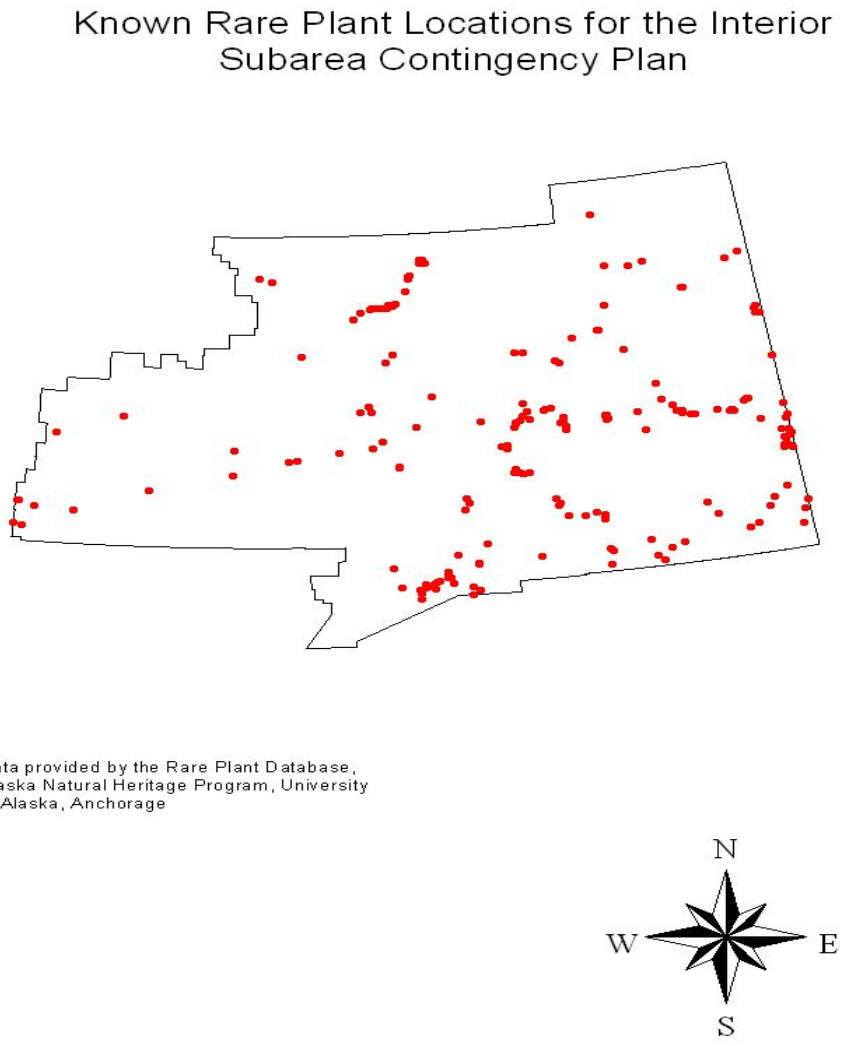
Global Rankings

G1: Critically imperiled globally. (Typically 5 or fewer occurrences)
G2: Imperiled globally. (6-20 occurrences)
G3: Rare or uncommon globally. (21-100 occurrences)
G4: Apparently secure globally, but cause for long-term concern. (Usually more than 100 occurrences)
G5: Demonstrably secure globally.
G#G#: Rank of species uncertain, best described as a range between the two ranks.
G#Q: Taxonomically questionable.
G#T#: Global rank of species and global rank of the described variety or subspecies of the species.

State Rankings

S1: Critically imperiled in state. (Usually 5 or fewer occurrences)

S2: Imperiled in state.(6-20 occurrences)
S3: Rare or uncommon in state. (21-100 occurrences)
S4: Apparently secure in state, but with cause for long-term concern (usually more than 100 occurrences)
S5: Demonstrably secure in state.
S#S#: State rank of species uncertain, best described as a range between the two ranks



This map may be viewed at: www.asgdc.state.ak.us/maps/cplans/subareas.html#interior

D. HUMAN USE RESOURCES

1. *Fish Hatcheries and Associated Ocean Net Pens*

There is a hatchery in Fairbanks and Paxon on the Gulkana River.

2. *Aquaculture Sites*

There are no known aquaculture sites located in the Interior Subarea.

3. *Cultural Resources*

The Interior Subarea contains a multitude of known and unidentified archaeological and historic sites. Oil spills and hazardous substance releases may result in direct and/or indirect impacts to those cultural resources. These sites are not identified here, in order to protect them from scavenging. Oil spills and hazardous substance releases may result in direct and/or indirect impacts to those sites. FOSCs are responsible for ensuring that response actions take the protection of cultural resources into account and that the statutory requirements for protecting cultural resources are met. The *Unified Plan, Annex M* outlines FOSC responsibilities for protecting cultural resources and provides an expedited process for compliance with Section 106 of the National Historic Preservation Act during the emergency phase of a response.

4. *Subsistence and Personal Use Harvests*

Subsistence-related uses of natural resources play an important role in the economy and culture of many communities in the Interior Subarea. A subsistence economy may be defined as follows:

...an economy in which the customary and traditional uses of fish, wildlife and plant resources contribute substantially to the social, cultural and economic welfare of families in the form of food, clothing, transportation and handicrafts. Sharing of resources, kinship-based production, small scale technology and the dissemination of information about subsistence across generational lines are additional characteristics.

Before 1990, the State of Alaska and the Alaska Boards of Fisheries and Game made all decisions regarding the management of subsistence resources and harvest rights. In 1990, however, the federal government became responsible for assuring a federal subsistence priority on federal public lands, and in 1999 on federal reserved waters. The Federal Subsistence Board adopts subsistence regulations that are administered by the various federal agencies on federal public lands. State regulations still apply to state and private lands and for non-subsistence harvests on all lands. As a consequence, the number of agencies involved in managing subsistence resources and uses has increased. Therefore, in the event of a spill, extensive coordination will be required in order to address subsistence resources. Regulations regarding subsistence harvest can also be expected to undergo regular modification. Current information on harvest regulations can be obtained from ADF&G, Subsistence Division in Anchorage; or USFWS, Office of Subsistence Management in Anchorage.

There are numerous communities in the Interior Subarea which engage in subsistence harvest activities. Generally, the harvest area used by each community includes the land and waters within a fifty mile or more radius of the community during summer. In winter, the harvest area may expand considerably as travel conditions improve. Rivers and streams within this area are fully utilized. More specific information, including maps of subsistence use areas, can be obtained from subsistence resource managers.

Communities near the major river systems rely heavily on salmon, whitefish and sheefish as subsistence food sources. Salmon are commonly harvested with gillnets or fishwheels. The timing of subsistence fishing seasons on the Yukon and Tanana Rivers and the fisheries management districts may vary. Fishing seasons are set by the Board of Fisheries and are subject to change. ADF&G may also close seasons by emergency order. For the latest information on all subsistence activities, contact the ADF&G, the USFWS, and/or the following Native/subsistence organizations:

Native/subsistence Organizations

Organization	Phone
Doyon Limited	452-4755
Koyukon Development Corp. Inc.	243-4189
Tanana Chiefs Conference	452-8251
Gwitcha-Gwitchen-Ginkhye	662-2415
Baan-O-Yeel Kon Corp. (Rampart)	456-6259
Bean Ridge Corp. (Manley Hot Springs)	672-3177
Beaver Kwit'Chin Corp.	456-2464
Chalkyitsik Native Corp.	662-2563
Danzhit Hanlaii Corp. Circle)	773-1280
Deloycheet Inc. (Holy Cross)	476-7177
Dineega Corp. (Ruby)	468-4405
Dinyea Corp. (Stevens Village)	474-8224
Dot Lake Native Corp.	882-2695
Evansville Inc.	451-8008
Gana-a 'Yoo Ltd. (Galena)	656-1609
Gwitchyaa Zhee Corp. (Fort Yukon)	662-2322
Hee-Yea-Lindge Corp. (Grayling)	453-5133
Hungwitchin Corp. (Eagle)	479-2619
K'Oyitl'Ots'Ina Ltd. (Hughes)	452-8110
Ingalilk Inc. (Anvik)	663-6312
MTNT Ltd. (McGrath, Telida, Nikoli, Takotna)	524-3391
Mendas Chaag Native Corp. (Healy Lake)	452-3094
Northway Natives Inc.	778-2297
Seth-De-Ya-Ah Corp. (Minto)	456-8174
Tanacross Inc.	883-4129
Tihteet'aii Inc. (Birch Creek)	221-9113
Toghotthele Corp. (Nenana)	832-5461
Tozitna Ltd. (Tanana)	366-7255
Zho-Tse Inc. (Shageluk)	473-8229
Council of Athabaskan Tribal Governments	662-2587
Yukon River Drainage Fisheries Association	279-6519

Subsitance Fisheries Timing for the Interior Subarea

Lower Yukon (Districts 1,2, and 3)	
Chinook Salmon	Early June thru End of August
Chum Salmon	Early June thru Late August
Coho Salmon	Mid-July thru Mid-September
Sheefish & Whitefish	Early June thru Early September
Upper Yukon (District 4 & 5)	
Chinook Salmon	Late June thru Mid- August
Chum Salmon	Late June thru Early October
Coho Salmon	Late July thru Mid-September
Sheefish & Whitefish	Early June thru Late October
Tanana River Drainage (District 6)	
Chinook Salmon	Early July thru Mid-August
Chum Salmon	Early July thru Mid-October
Coho Salmon	Late August thru Late October
Sheefish & Whitefish	Early July thru Late October

5. *Commercial Fishing*

Commercial salmon fisheries occur along 1,200 miles of the mainstem Yukon River and the lower 200 miles of the Tanana River. The following depicts the timing of these fisheries, as established by the Board of Fisheries. These seasons are subject to change and may also be closed by emergency order of ADF&G. For the latest information on commercial fishing regulations, contact ADF&G. The Interior Subarea fisheries management areas and information may be found at the following web site: www.adfg.alaska.gov/index.cfm?adfg=fishingCommercialByArea.interior

Only districts 4, 5 and 6 (Upper Yukon) are located within the region covered by this contingency plan, although downstream areas may be impacted by spills into the river.

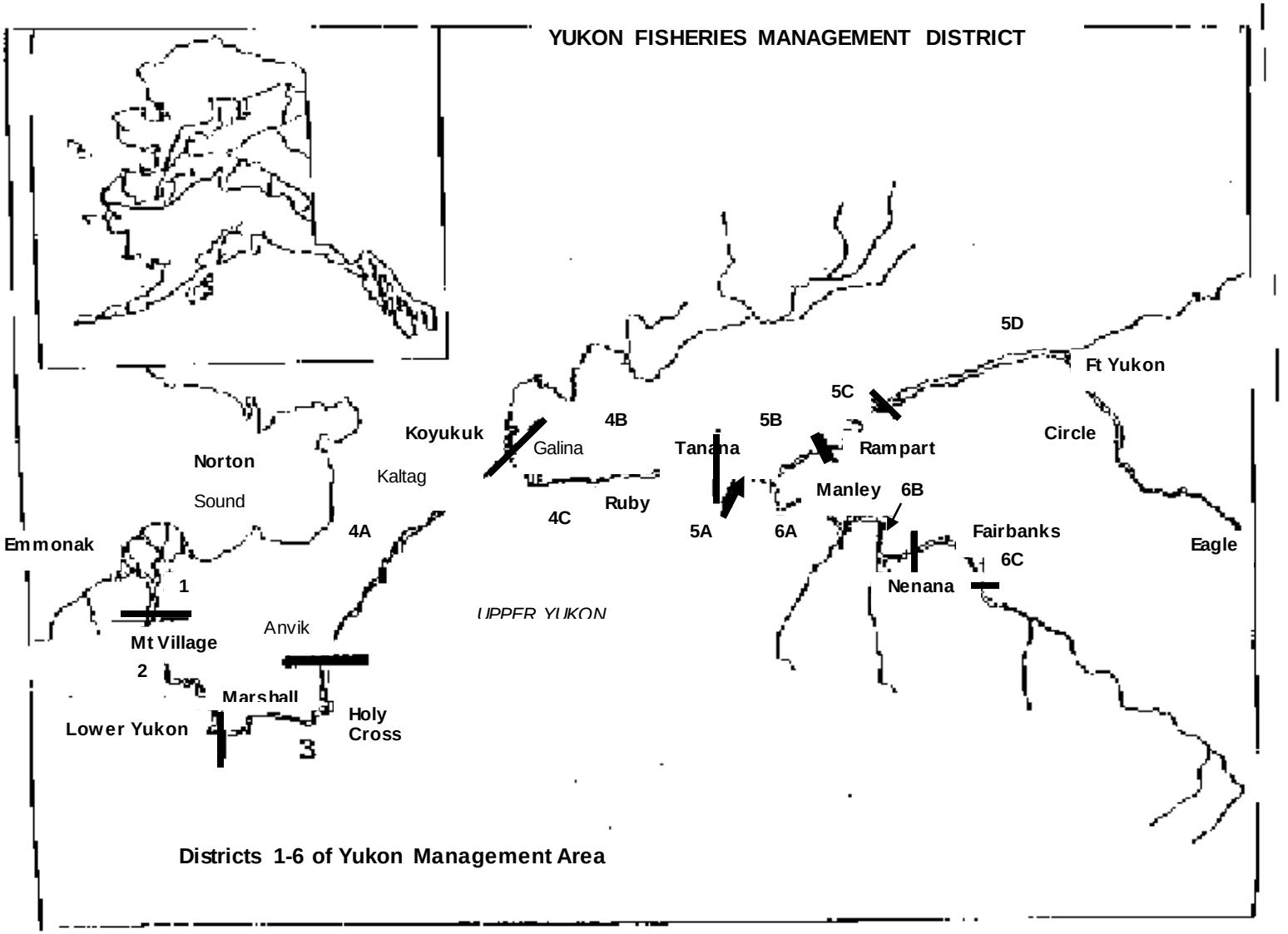
Upper Yukon and Tanana commercial fisheries may harvest salmon by using set gillnets or fishwheels. Lower Yukon fisheries are conducted with set and drift gillnets. Chum salmon are the most abundant species and are harvested during distinct summer and fall runs. Chinook salmon are the next most abundant species harvested. Chinooks are harvested concurrently with chum salmon in the summer fishery. Small numbers of coho salmon are caught during the fall chum fishery.

Commercial Fisheries Timing Interior Region

Lower Yukon (Districts 1,2, and 3)	
Chinook Salmon	Early June thru Late August
Chum Salmon	Early June thru Late August
Coho Salmon	Mid-July thru late August
Upper Yukon (District 4 & 5)	
Chinook Salmon	Late June thru End of July
Chum Salmon	Late June thru Early September
Coho Salmon	Late August thru Early September
Tanana River Drainage (District 6)	
Chinook Salmon	Early July thru Mid-August
Chum Salmon	Early July thru Late September
Coho Salmon	Early thru Late September

6. *Sport Fishing and Hunting*

ADF&G Game Management Units (GMU) located in the Interior Subarea are: GMU 20 A,B,C,D,E,& F; GMU 21 B,C,D, and a small part of A; GMU 24; and GMU 25 A,B,C, and D. The sport fishing areas located in the subarea are the Arctic Yukon Kuskokwim area and the Tanana River Drainage areas. The fishing and hunting seasons may vary in duration, may be restricted in certain locations and are subject to closure. Due to the overlapping of sport, commercial and subsistence hunting and fishing, these activities take place year round. Hunting and Sport Fishing information may be found at the following web sites: www.adfg.alaska.gov/index.cfm?adfg=SportByAreaInterior.main and www.adfg.alaska.gov/index.cfm?adfg=hunting.main


YUKON FISHERIES MANAGEMENT DISTRICT
5D
Ft Yukon
5C
Circle
4B
5B
Koyukuk
Galina
Tanana
Rampart
Norton
Kaltag
Sound
Manley
6B
Ruby
4C
5A
6A
Fairbanks
Emmonak
4A
Eagle
6C
1
Nenana
UPPER YUKON
Anvik
Mt Village
2
Marshall
Holy
Cross
Lower Yukon
3
Districts 1-6 of Yukon Management Area

7. *Recreational Sites and Facilities*

Recreation Site	Location
State of Alaska Recreation Sites and Areas	
Big Delta State Historical Park	Mile 274.5, Richardson Highway
Birch Lake State Recreation Site	Mile 305.2, Richardson Higway
Chena River State Recreation Site	3530 Geraghty Ave, Fairbanks
Chena River State Recreation Area	Mile 26.6 to 50.5, Chena Hot Springs Road
Clearwater State Recreation Site	Clearwater Road
Delta State Recreation Site	Mile 267, Richardson Highway
Donnelly Creek State Recreation Area	Mile 238, Richardson Highway
Eagle Trail State Recreation Site	Mil 109.5, Tok Cut-Off Highway
Fielding Lake State Recreation Area	Mile 200.5, Richardson Highway
Harding Lake State Recration Area	Mile 323, Richardson Highway
Lower Chatanika State Recreation Area	Mile 11, Elliott Highway
Moon Lake State Recreation Site	Mile 1332, Alaska Highway
Quartz Lake State Recreation Area	Mile 277.8, Richardson Higway
Salcha River State Recreation Site	Mile 323.3, Richardson Highway
Tok River State Recreation Site	Mile 1309, Alaska Highway
Upper Chatanika River State Recreation Area	Mile 39, Steese Highway
Bureau of Land Management	
Coldfood Interagency Visitor Center	Mile 175, Dalton Highway
Marion Creek Campground	Mile 180, Dalton Highway
Arctic Circle Campground	Mile 115, Dalton Highway
Yukon River Visitor Contact Point	Mile 60, Dalton Highway
Cripple Creek Campground	Mile 60, Steese Highway
Eagle Campground	Mile 160, Taylor Highway
Walker Fork Campground	Mile 82, Taylor Highway
West Fork Campground	Mile 49, Taylor Highway
National Park Service	
Riley Creek Campground	Denali National Park
Visitor Access Center	Denali National Park
Denali Hotel, Train Depot & Visitor Center	Denali National Park
Savage River Campground	Denali National Park
Sanctuary Campground	Denali National Park
Teklanika Campground	Denali National Park
Igloo Creek Campground	Denali National Park
Polychrome Pass Wayside	Denali National Park
Stony Hill Wayside	Denali National Park
Eielson Visitor Center	Denali National Park
Wonder Lake Campground	Denali National Park
Gates of the Arctic National Park and Preserve	Bettles
Kanuti National Wildlife Refuge Visitor Center	Bettles

8. *Commercial Tourism*

The travel to the Interior Subarea is dictated by seasonal changes most tourism occurs in the summer months. For additional information contact:

Alaska Office of Tourism Development……..465-2012
Alaska State Chamber of Commerce……..586-2323
Alaska Native Tourism Council……..274-5400
Alaska Wilderness Recreation & Tourism Assoc……..463-3038
Alaska Public Lands Information Center……..883-5667
Alaska Railroad Corporation……..265-2300 or 456-4155
City of Nenana……..832-5441
Delta Junction Chamber of Commerce……..895-5068
Fairbanks Convention and Visitors Bureau……..327-5774
Healy Chamber of Commerce……..683-4636

9. *Marinas and Ports*

(See the *Resources Section*)

10. *Fish Processing*

There are fish processing facilities in the communities of Kaltag, Galena, Manley Hot Springs, Nenana, Fairbanks, and Circle. Contact ADF&G for more information.

11. *Logging Facilities*

There are a variety of logging activities which take place in the Interior Subarea. These activities vary from season to season. More detailed information can be obtained from the ADNR, Division of Forestry at the following web site: www.forestry.alaska.gov/index.htm

12. *Water Intake and Use*

The following table was generated by the Alaska Department of Environmental Conservation (ADEC), Division of Environmental Health – Drinking Water Program. The table includes all regulated sources as well as community systems:

- Community & Non-Transient/Non-Community (Formerly referred to as Class A Water Systems)
- Transient/Non-Commnuity (Formerly referred to as Class B Water Systems)
- Non-Public (Formerly referred to as Class C Water Systems)

This list is best used when combined with the internet web application
www.dec.alaska.gov/eh/dw/DWP/protection_areas_map.html

Table key:

GW = Groundwater
GWP = Purchased Groundwater
SWP = Purchased Surface Water
GU = Groundwater Under the District Influence of Surface Water

System No.	Water System Name	Location	Source
AK2391265	A - FRAME SERVICE	Yukon - Koyukuk	
AK2391655	ALASKA BASICS	Yukon - Koyukuk	GW

System No.	Water System Name	Location	Source
AK2312643	ALASKA PANACHE	Yukon - Koyukuk	GW
AK2300816	ALLAKAKET PUBLIC WATER SYSTEM	Yukon - Koyukuk	GW
AK2280171	ANVIK WATER SYSTEM	Yukon - Koyukuk	GW
AK2300222	ARCTIC VILLAGE WATER SYSTEM	Yukon - Koyukuk	SW
AK2360230	BEAVER WATER SYSTEM	Yukon - Koyukuk	GW
AK2300581	BETTLES LODGE	Yukon - Koyukuk	GW
AK2300468	BIRCH CREEK VILLAGE	Yukon - Koyukuk	SW
AK2334255	BLM ARCTIC INTERAGENCY VISITOR CENTER	Yukon - Koyukuk	GW
AK2300719	BROOKS RANGE WILDERNESS TRIP	Yukon - Koyukuk	GW
AK2300345	CENTRAL CORNER	Yukon - Koyukuk	GW
AK2300183	CHALKYITSIK VILLAGE WATER	Yukon - Koyukuk	SW
AK2300109	CIRCLE HOT SPRINGS RESORT	Yukon - Koyukuk	
AK2391613	CLEAR AIR STATION - BLDG 106	Yukon - Koyukuk	
AK2391710	CLEAR AIR STATION - BLDG 800	Yukon - Koyukuk	GW
AK2390756	CLEAR AIR STATION - MAIN	Yukon - Koyukuk	GW
AK2390510	CLEAR TRAILER COURT	Yukon - Koyukuk	GW
AK2360735	DAINTY ISLAND FISHERIES	Yukon - Koyukuk	GW
AK2300612	EVANSVILLE CLINIC / COMM. HALL	Yukon - Koyukuk	GW
AK2390489	FIREWEED 288 ROADHOUSE	Yukon - Koyukuk	GW
AK2360256	FT. YUKON PUBLIC WATER SYSTEM	Yukon - Koyukuk	GU
AK2360272	GALENA WATER SYSTEM WTP-1	Yukon - Koyukuk	GW
AK2360638	GANA-A YOO APARTMENTS	Yukon - Koyukuk	GW
AK2311003	GEORGE HALL	Yukon - Koyukuk	GW
AK2280066	GRAYLING WATER SYSTEM	Yukon - Koyukuk	SW
AK2300620	H.C. COMPANY STORE	Yukon - Koyukuk	GW
AK2360565	HAROLDS AIR SERVICE/GALENA	Yukon - Koyukuk	GW
AK2300890	HOLLY HOLLOW CABINS	Yukon - Koyukuk	GW
AK2280074	HOLY CROSS WATER SYSTEM	Yukon - Koyukuk	GW
AK2280090	IASD BLACKWELL SCHOOL	Yukon - Koyukuk	GW
AK2280058	IASD INNOKO RIVER SCH SHAGELUK	Yukon - Koyukuk	GW
AK2270053	IASD LIME VILLAGE SCHOOL	Yukon - Koyukuk	GW
AK2280260	IASD TELIDA SCHOOL	Yukon - Koyukuk	GW
AK2280016	IASD TOP OF KUSKOKWIM NIKOLAI	Yukon - Koyukuk	GW
AK2360751	INTERIOR TRADING COMPANY	Yukon - Koyukuk	GW
AK2360214	KOYUKUK SAFEWATER FACILITY	Yukon - Koyukuk	GW
AK2300484	MANLEY COMMUNITY WATER SYSTEM	Yukon - Koyukuk	GW
AK2300010	MANLEY HANGER - DRINKING	Yukon - Koyukuk	SWP
AK2300028	MANLEY HOT SPRINGS (OLD)	Yukon - Koyukuk	GW
AK2300060	MANLEY HOT SPRINGS ROADHOUSE	Yukon - Koyukuk	GW
AK2300913	MANLEY VILLAGE	Yukon - Koyukuk	GW
AK2370715	MARION CREEK RANGER STATION	Yukon - Koyukuk	GW
AK2280155	MCGRATH WATER SYSTEM	Yukon - Koyukuk	SW
AK2300159	MINTO COMMUNITY WATER SYSTEM	Yukon - Koyukuk	GW
AK2390706	NENANA / OLD AKRR BLDG	Yukon - Koyukuk	GW
AK2390065	NENANA MUNICIPAL WATER	Yukon - Koyukuk	GW
AK2280236	NIKOLAI - WASHETERIA	Yukon - Koyukuk	GW
AK2280286	NIKOLAI BUNKHOUSE	Yukon - Koyukuk	GW
AK2300557	NPS - HOUSING / CHIEFS HOUSE	Yukon - Koyukuk	GW
AK2300515	NPS - VISITOR CENTER	Yukon - Koyukuk	GW

System No.	Water System Name	Location	Source
AK2300785	NPS - WELLHOUSE / NPS HOUSING	Yukon - Koyukuk	GW
AK2390112	PETERSON APARTMENTS	Yukon - Koyukuk	GW
AK2360816	RAMPART WASHETERIA	Yukon - Koyukuk	GW
AK2360345	RIVERSIDE INN	Yukon - Koyukuk	GW
AK2360654	RUBY HEADSTART SCHOOL	Yukon - Koyukuk	GW
AK2360484	RUBY MUNICIPAL BUILDING	Yukon - Koyukuk	GW
AK2360329	RUBY ROADHOUSE	Yukon - Koyukuk	GW
AK2280040	SHAGELUK WATER SYSTEM	Yukon - Koyukuk	GW
AK2390243	SKINNY DICKS HALFWAY INN	Yukon - Koyukuk	GW
AK2300701	SOURDOUGH OUTFITTERS	Yukon - Koyukuk	GW
AK2391184	STEVENS FISHERIES	Yukon - Koyukuk	GW
AK2360442	STEVENS VILLAGE WATER SYSTEM	Yukon - Koyukuk	GW
AK2280163	TAKOTNA WATER SYSTEM	Yukon - Koyukuk	SW
AK2360395	TANANA TRIBAL COUNCIL	Yukon - Koyukuk	GW
AK2391461	TATLANIKA TRADING / RV PK.	Yukon - Koyukuk	GW
AK2360109	TOO'GHA INC - IN TANANA	Yukon - Koyukuk	SW
AK2280105	USAF TATALINA	Yukon - Koyukuk	GW
AK2300248	VENETIE WATER SYSTEM	Yukon - Koyukuk	GU
AK2310609	WOODLAND PARK APARTMENTS	Yukon - Koyukuk	GW
AK2300442	YFSD - FAR NORTH SCHOOL	Yukon - Koyukuk	GW
AK2300206	YKSD - ALLAKAKET SCHOOL	Yukon - Koyukuk	GU
AK2300044	YKSD - MANLEY H.S. SCH.	Yukon - Koyukuk	GW
AK2360248	YKSD - MERRELINE KANGAS / RUBY	Yukon - Koyukuk	GW
AK2360468	YUKON RIVER RESTAURANT	Yukon - Koyukuk	GW
AK2381333	AK DIV OF FORESTRY / FIRE WELL	Southeast Fairbanks	GW
AK2381325	AK DIV OF FORESTRY / OFFICE	Southeast Fairbanks	GW
AK2372499	AK DIV PARKS - BIRCH LAKE	Southeast Fairbanks	GW
AK2372017	AK DIV PARKS - RIKAS PAVILION	Southeast Fairbanks	GW
AK2380191	AK GATEWAY SD - DOT LAKE SCH.	Southeast Fairbanks	GW
AK2380303	AK GATEWAY SD - NORTHWAY SCH	Southeast Fairbanks	GW
AK2380913	AK GATEWAY SD - TOK SCHOOL FLD	Southeast Fairbanks	GW
AK2380785	AK POWER & TELEPHONE/WELL #1	Southeast Fairbanks	GW
AK2381456	AK POWER & TELEPHONE/WELL #2	Southeast Fairbanks	GW
AK2381846	AK POWER & TELEPHONE/WELL #3	Southeast Fairbanks	GW
AK2370594	ALASKAN STEAKHOUSE & MOTEL	Southeast Fairbanks	GW
AK2381985	ALASKAN STOVES CAMPGROUND	Southeast Fairbanks	GW
AK2381650	BEAVER FEVER CAFE	Southeast Fairbanks	GW
AK2370057	BIG D BAR	Southeast Fairbanks	GW
AK2381024	BLM - CHICKEN FIELD FACILITY	Southeast Fairbanks	
AK2360418	BLM - EAGLE CAMPGROUND	Southeast Fairbanks	
AK2381919	BLM - TOK FIELD STATION	Southeast Fairbanks	GW
AK2381317	BLM - WALKER FK CMPG - TRAILER	Southeast Fairbanks	
AK2381252	BLM - WEST FORK CMPG	Southeast Fairbanks	GWP
AK2371702	BUFFALO CENTER DRIVE-IN	Southeast Fairbanks	GW
AK2381244	BULLSHOOTER RV PARK	Southeast Fairbanks	GW
AK2381529	BURNHAM SHOP BLDG	Southeast Fairbanks	GW
AK2381642	CHISANA VIEW LOUNGE	Southeast Fairbanks	GW
AK2380044	CONRAD WATER SYSTEM	Southeast Fairbanks	GW
AK2381163	CROZIER BUS BARN	Southeast Fairbanks	GW

System No.	Water System Name	Location	Source
AK2371590	DELTA CITY HALL & LIBRARY	Southeast Fairbanks	GW
AK2371037	DELTA COMM. CENTER / SENIORS	Southeast Fairbanks	GW
AK2372693	DELTA COMMUNITY LIBRARY	Southeast Fairbanks	GW
AK2372669	DELTA INDUSTRIAL SERV WELL B	Southeast Fairbanks	GW
AK2372790	DELTA INDUSTRIAL SERVICES WELL A	Southeast Fairbanks	GW
AK2372758	DELTA INDUSTRIAL SERVICES WELL C	Southeast Fairbanks	GW
AK2372839	DELTA JUNCTION ICE RINK	Southeast Fairbanks	GW
AK2372716	DELTA JUNCTION IGA	Southeast Fairbanks	GW
AK2371299	DELTA VISITORS CENTER	Southeast Fairbanks	GW
AK2371689	DELTA/CLEARWATER MOOSE LDG 911	Southeast Fairbanks	GW
AK2372677	DGSD - DELTA ELEMENTARY SCHOOL	Southeast Fairbanks	GW
AK2370146	DGSD - DELTA SCHOOL	Southeast Fairbanks	GW
AK2372261	DGSD - DELTA SCHOOL/VOC ED	Southeast Fairbanks	GW
AK2372897	DIAMOND WILLOW INN	Southeast Fairbanks	GW
AK2380620	DOT & PF TOK COMBINED FACILITY	Southeast Fairbanks	GW
AK2380866	DOT LAKE COMMUNITY HALL	Southeast Fairbanks	GW
AK2380604	DOT LAKE WATER UTILITY	Southeast Fairbanks	GW
AK2380688	DOWNTOWN CHICKEN	Southeast Fairbanks	SW
AK2360599	EAGLE TRADING COMPANY	Southeast Fairbanks	GW
AK2372279	EAGLES RIDGE / CHURCH BLDG.	Southeast Fairbanks	GW
AK2381260	FAST EDDYS RESTAURANT	Southeast Fairbanks	GW
AK2372588	FLUOR OFFICE COMPLEX / FT. GREELY	Southeast Fairbanks	GW
AK2300000	FORT GREELY - INTERIM STAGING BASE (ISB)	Southeast Fairbanks	
AK2372855	FT WAINWRIGHT / DU - BAX	Southeast Fairbanks	GW
AK2370667	FT WAINWRIGHT / DU - BLACK RAPIDS	Southeast Fairbanks	GW
AK2372025	FT WAINWRIGHT / DU - BOLIO LK	Southeast Fairbanks	GW
AK2372863	FT WAINWRIGHT / DU - ISB	Southeast Fairbanks	GW
AK2370780	FT. GREELY - MAIN POST	Southeast Fairbanks	GW
AK2372805	FT. GREELY - VEHICLE INSPEC./GATE ENTRY	Southeast Fairbanks	GW
AK2370798	FT. GREELY / DU - ALLEN ARMY AIRFIELD	Southeast Fairbanks	GW
AK2380963	GOLDEN BEAR CAMPER PARK	Southeast Fairbanks	GW
AK2380028	GOLDEN BEAR MOTEL	Southeast Fairbanks	GW
AK2381278	GRIZZLY AUTO REPAIR	Southeast Fairbanks	GW
AK2372782	HARD WOK CAFE	Southeast Fairbanks	GW
AK2381032	HOFFMAN OFFICE COMPLEX	Southeast Fairbanks	GW
AK2381448	INTERIOR VIDEO	Southeast Fairbanks	GW
AK2370251	KELLYS COUNTRY INN	Southeast Fairbanks	GW
AK2370879	LARRYS APARTMENTS	Southeast Fairbanks	GW
AK2381406	LDS CHURCH / DELTA	Southeast Fairbanks	GW
AK2380329	LIVING WORD MINISTRY	Southeast Fairbanks	GW
AK2381202	MAINSTREAM MOTEL	Southeast Fairbanks	GW
AK2381040	MENTASTA VILLAGE CLINIC	Southeast Fairbanks	GW
AK2371435	MT HAYES COMMERCIAL COMPLEX	Southeast Fairbanks	GW
AK2381139	MUKLUK LAND	Southeast Fairbanks	GW
AK2381016	NAABIA NIIGN NORTHWAY	Southeast Fairbanks	GW
AK2380272	NORTH STAR CHILDRENS HOME INC	Southeast Fairbanks	GW
AK2381561	NORTHERN ENERGY CORP.	Southeast Fairbanks	GW
AK2380793	NORTHSTAR C.H.COUNSELOR TRLRS.	Southeast Fairbanks	GW
AK2380735	NORTHWAY COMMUNITY HALL	Southeast Fairbanks	GW

System No.	Water System Name	Location	Source
AK2380719	NORTHWAY NAABIA NIIGN APT.	Southeast Fairbanks	GW
AK2380264	NORTHWAY NATIVE CORP. BLDG.	Southeast Fairbanks	GW
AK2381422	NORTHWAY WASHETERIA/CLINIC	Southeast Fairbanks	GW
AK2360581	NPS - YUKON CHARLY RIVERS N.P.	Southeast Fairbanks	GW
AK2381391	PAMS CUTS AND CURLS	Southeast Fairbanks	GW
AK2371540	PIZZA BELLA	Southeast Fairbanks	GW
AK2372685	POGO PERMANENT CAMP	Southeast Fairbanks	GU
AK2372952	QUALITY CARE CENTER OF DELTA ALH	Southeast Fairbanks	GW
AK2381309	RAMPONI HANGER	Southeast Fairbanks	GW
AK2381870	ROASTED ROOSTER	Southeast Fairbanks	SW
AK2371087	SAWMILL CREEK LODGE	Southeast Fairbanks	GW
AK2381707	SCOTTY CREEK RV PARK	Southeast Fairbanks	GW
AK2381715	SEVENTH DAY ADV. CH./SCHOOL	Southeast Fairbanks	GW
AK2380858	SHEN BIBLE CAMP	Southeast Fairbanks	GW
AK2370829	SMITHS GREEN ACRES MH PARK	Southeast Fairbanks	GW
AK2380599	SNOWSHOE MOTEL/GIFT	Southeast Fairbanks	GW
AK2380387	SOURDOUGH CAMPGROUND / RV PARK	Southeast Fairbanks	GW
AK2380531	TANACROSS WATER SYSTEM	Southeast Fairbanks	GW
AK2372148	TANANA TRADING POST	Southeast Fairbanks	GW
AK2372887	TASTE OF EUROPE	Southeast Fairbanks	GW
AK2382004	TETLIN NWR - LAKEVIEW CAMPGROUND	Southeast Fairbanks	GW
AK2380638	TETLIN UTILITY SYSTEM	Southeast Fairbanks	GW
AK2371605	THE CHURCH AT DELTA	Southeast Fairbanks	GW
AK2381943	THE GOLDPANNER	Southeast Fairbanks	SW
AK2381082	THREE BEARS #10	Southeast Fairbanks	GW
AK2372936	TIMBERCREST DENTAL CLINIC	Southeast Fairbanks	GW
AK2381430	TOK BAPTIST CHURCH	Southeast Fairbanks	GW
AK2381668	TOK CIVIC CENTER	Southeast Fairbanks	GW
AK2381189	TOK COMMUNITY CLINIC	Southeast Fairbanks	GW
AK2380662	TOK COURT HOUSE	Southeast Fairbanks	GW
AK2380921	TOK DNR FIRE FACILITY	Southeast Fairbanks	GW
AK2380743	TOK DOG MUSHERS ASSOC.	Southeast Fairbanks	GW
AK2380890	TOK FIRE STATION	Southeast Fairbanks	GW
AK2380824	TOK GENERAL STORE	Southeast Fairbanks	GW
AK2381147	TOK LIQUOR & MINI MART	Southeast Fairbanks	GW
AK2380882	TOK LODGE MOTEL	Southeast Fairbanks	GW
AK2380939	TOK POST OFFICE (NEW)	Southeast Fairbanks	GW
AK2381105	TOK R.V. VILLAGE	Southeast Fairbanks	GW
AK2370471	TROPHY LODGE	Southeast Fairbanks	GW
AK2381008	TUNDRA LODGE - LAUNDROMAT/RV	Southeast Fairbanks	GW
AK2381066	U S CUSTOMS - POKER CREEK	Southeast Fairbanks	GW
AK2380646	UAF TOK CENTER	Southeast Fairbanks	GW
AK2381634	USCG - TOK LORAN / 4 PLEX	Southeast Fairbanks	GW
AK2381626	USCG - TOK LORAN / DUPLEX	Southeast Fairbanks	GW
AK2380565	USCG - TOK LORAN C STATION	Southeast Fairbanks	GW
AK2381862	USF&W TETLIN SUMMER HOUSING	Southeast Fairbanks	GW
AK2381341	USF&W TETLIN VISITOR CTR.	Southeast Fairbanks	GW
AK2380078	UTDC BUILDING	Southeast Fairbanks	GW
AK2380751	VFW POST 9889	Southeast Fairbanks	GW

System No.	Water System Name	Location	Source
AK2372075	WF / LIVING WORD TABERNACLE	Southeast Fairbanks	GW
AK2372198	WF / LIVING WORD TRAINING CTR	Southeast Fairbanks	GW
AK2380183	YOUNGS HOTEL/SHAMROCK HARDWARE	Southeast Fairbanks	GW
AK2313704	11 MILE GROCERY	Fairbanks North Star	GW
AK2314124	12 MILE ROADHOUSE	Fairbanks North Star	GWP
AK2311998	2490 MISSION / FAITH LANE LLC	Fairbanks North Star	GW
AK2311980	3152 WYATT / FAITH LANE, LLC	Fairbanks North Star	GW
AK2314344	A TASTE OF ALASKA LODGE	Fairbanks North Star	GW
AK2313136	AK DIV PARKS - ANGEL ROCK SRA	Fairbanks North Star	GW
AK2370112	AK DIV PARKS - CLEARWATER SRS	Fairbanks North Star	GW
AK2313128	AK DIV PARKS - COLO CRK TRAIL	Fairbanks North Star	GW
AK2370120	AK DIV PARKS - DELTA SRS	Fairbanks North Star	GW
AK2371508	AK DIV PARKS - DONELLY CK SRS	Fairbanks North Star	GW
AK2380167	AK DIV PARKS - EAGLE TRAIL SRS	Fairbanks North Star	GW
AK2310332	AK DIV PARKS - HARDING LK CG	Fairbanks North Star	GW
AK2313092	AK DIV PARKS - HARDING SRA ENT	Fairbanks North Star	GW
AK2311875	AK DIV PARKS - L. CHENA DOME	Fairbanks North Star	GW
AK2372131	AK DIV PARKS - LOST LAKE WELL	Fairbanks North Star	GW
AK2313893	AK DIV PARKS - MAINT. COMPOUND	Fairbanks North Star	GWP
AK2381058	AK DIV PARKS - MOON LAKE SRS	Fairbanks North Star	GW
AK2372033	AK DIV PARKS - QUARTZ LK NEW	Fairbanks North Star	GW
AK2311215	AK DIV PARKS - RED SQUIRREL CG	Fairbanks North Star	GW
AK2371516	AK DIV PARKS - RIKAS ROADHOUSE	Fairbanks North Star	GW
AK2310293	AK DIV PARKS - ROSEHIP CG.	Fairbanks North Star	GW
AK2370382	AK DIV PARKS - SALCHA R. SRS	Fairbanks North Star	GW
AK2380484	AK DIV PARKS - TOK RIVER SRS	Fairbanks North Star	GW
AK2311558	AK DIV PARKS - TORS CMGR.	Fairbanks North Star	GW
AK2311689	AK DIV PARKS - TWIN BEARS	Fairbanks North Star	GW
AK2310112	AK DIV PARKS - UP CHATANIKA R	Fairbanks North Star	GW
AK2311427	AK FISH & GAME - CREAMERS FLD	Fairbanks North Star	GW
AK2314679	AK RIVERWAYS / CHENA VILLAGE	Fairbanks North Star	GW
AK2371134	ALASCOM	Fairbanks North Star	GW
AK2310586	ALASKA DOG MUSHERS ASSOCIATION	Fairbanks North Star	GW
AK2313039	ALASKA FISH & FARM PRODUCTS	Fairbanks North Star	GW
AK2312368	ALASKA GOLD CO.- FAIRBANKS	Fairbanks North Star	GW
AK2312546	ALTROAL CONTROLS	Fairbanks North Star	GW
AK2333788	ALYESKA 5 MILE WELL/SPRING	Fairbanks North Star	GW
AK2320751	ALYESKA MCCF #2 CAMP	Fairbanks North Star	GW
AK2312863	ALYESKA NORDALE YARD	Fairbanks North Star	
AK2293008	ALYESKA PIPELINE PS #11	Fairbanks North Star	GWP
AK2320036	ALYESKA PS 4 PERM	Fairbanks North Star	GW
AK2350023	ALYESKA PS 5 PERM	Fairbanks North Star	GW
AK2360727	ALYESKA PS 6 FLY CAMP	Fairbanks North Star	GW
AK2360036	ALYESKA PS 6 PERM	Fairbanks North Star	GW
AK2300303	ALYESKA PS 7 PERM	Fairbanks North Star	GW
AK2370691	ALYESKA PS 9 PERMANENT	Fairbanks North Star	GW
AK2310015	ANGEL CREEK TRADING POST	Fairbanks North Star	GW
AK2310023	ARCTIC ACRES TRAILER COURT	Fairbanks North Star	GW
AK2300599	ARCTIC CIRCLE TRADING POST	Fairbanks North Star	GW

System No.	Water System Name	Location	Source
AK2314645	AURORA BOREALIS CHALETS	Fairbanks North Star	
AK2314970	AUSTIN SD BLK A LOTS 17 & 18	Fairbanks North Star	GW
AK2314851	AUSTIN SUBDIVISION, BLOCK 1, LOTS 6 - 9	Fairbanks North Star	GW
AK2314843	AUSTIN SUBDIVISION, BLOCK B LOTS 6&7	Fairbanks North Star	GW
AK2313241	AVIS CAR RENTAL	Fairbanks North Star	GW
AK2311184	BADGER DEN	Fairbanks North Star	GW
AK2314221	BADGER GAS / STORE	Fairbanks North Star	GW
AK2310641	BADGER MOBILE HOME PARK	Fairbanks North Star	GW
AK2313013	BADGER RD. DELI / GEORGEOS	Fairbanks North Star	GW
AK2315146	BADGER ROAD BAPTIST CHURCH	Fairbanks North Star	GW
AK2312994	BADGER ROAD DELI	Fairbanks North Star	GW
AK2310049	BANANA BELT WATER WORKS	Fairbanks North Star	GW
AK2310057	BARNETT APARTMENTS	Fairbanks North Star	GW
AK2314580	BEAR RUN APARTMENTS	Fairbanks North Star	GW
AK2312457	BEAVER LK RESORT / 2521 OUTSIDE BLVD.	Fairbanks North Star	GW
AK2312504	BEAVER LK. RESORT 2545/2555 MISSION	Fairbanks North Star	GW
AK2311574	BEN LOMAND CONST. (EAST WELL)	Fairbanks North Star	GW
AK2312554	BEN LOMAND CONST. (WEST WELL)	Fairbanks North Star	GW
AK2310099	BINGLE MEMORIAL CAMP	Fairbanks North Star	GW
AK2310837	BIRCHVIEW PROPERTIES	Fairbanks North Star	GW
AK2300662	BLM - CENTRAL FIELD STATION	Fairbanks North Star	GW
AK2313021	BLM - CRIPPLE CREEK CG	Fairbanks North Star	GW
AK2334263	BLM - MARION CREEK CAMPGROUND	Fairbanks North Star	GW
AK2314263	BLM - OPHIR CRK CG / E.WELL #2	Fairbanks North Star	GW
AK2314255	BLM - OPHIR CRK CG / W.WELL #1	Fairbanks North Star	GW
AK2312384	BLOOM ENTERPRISES	Fairbanks North Star	GW
AK2315308	BOATNER, SANDRA L	Fairbanks North Star	GW
AK2370586	BOON DOX BAR & LIQUOR STORE	Fairbanks North Star	GW
AK2380311	BOUNDARY LODGE	Fairbanks North Star	GW
AK2311922	BOWERS OFFICE SUPPLY - OLD	Fairbanks North Star	GW
AK2313754	BRADWAY APARTMENTS	Fairbanks North Star	GW
AK2314603	BUETOW DENTAL CLINIC	Fairbanks North Star	GW
AK2310950	CALLCRAFT APARTMENTS	Fairbanks North Star	GW
AK2310976	CAMP LI - WA	Fairbanks North Star	GW
AK2310081	CHATANIKA GOLD CAMP	Fairbanks North Star	GW
AK2310146	CHENA HOT SPRINGS RESORT	Fairbanks North Star	GW
AK2371817	CHENA LAKES / WELL #1	Fairbanks North Star	GW
AK2371922	CHENA LAKES / WELL #12	Fairbanks North Star	GW
AK2371930	CHENA LAKES / WELL #13	Fairbanks North Star	GW
AK2371948	CHENA LAKES / WELL #14	Fairbanks North Star	GW
AK2371956	CHENA LAKES / WELL #15	Fairbanks North Star	GW
AK2371841	CHENA LAKES / WELL #4	Fairbanks North Star	GW
AK2371867	CHENA LAKES / WELL #6	Fairbanks North Star	GW
AK2371883	CHENA LAKES / WELL #8	Fairbanks North Star	
AK2371891	CHENA LAKES / WELL #9	Fairbanks North Star	GW
AK2372847	CHENA LAKES RA SHOWERS	Fairbanks North Star	GW
AK2314433	CHENA MARINA II	Fairbanks North Star	GW
AK2313291	CHENA MARINA RV PARK	Fairbanks North Star	GW
AK2311435	CHENA RIVER FLOOD CONTROL	Fairbanks North Star	GW

System No.	Water System Name	Location	Source
AK2315227	COLD CLIMATE HOUSING CENTER	Fairbanks North Star	GWP
AK2310900	COLLEGE UTILITIES CORPORATION	Fairbanks North Star	GWP
AK2311639	COLONIAL PLAZA	Fairbanks North Star	GW
AK2314475	CROSS ROADS BAPTIST CHURCH	Fairbanks North Star	GW
AK2311833	CURRYS CORNER	Fairbanks North Star	GW
AK2312245	DALE BRIMMER DUPLEX	Fairbanks North Star	GW
AK2370900	DELTA JCT. COMB. FACILITY	Fairbanks North Star	GW
AK2312601	DOOR OF HOPE CHURCH	Fairbanks North Star	GWP
AK2311150	DOOR OF HOPE TRAINING CENTER	Fairbanks North Star	GWP
AK2371728	DOT & PF BIRCH LAKE CAMP	Fairbanks North Star	GW
AK2391045	DOT & PF CANTWELL	Fairbanks North Star	GW
AK2300743	DOT & PF CENTRAL	Fairbanks North Star	GW
AK2370837	DOT & PF DELTA JCT. HWY CMP	Fairbanks North Star	GW
AK2300329	DOT & PF ELLIOT SPRING MP31	Fairbanks North Star	GW
AK2310277	DOT & PF FOX WATERING POINT	Fairbanks North Star	GW
AK2300361	DOT & PF LIVENGOOD MAINT CMP	Fairbanks North Star	GW
AK2300086	DOT & PF MANLEY HOT SPRINGS	Fairbanks North Star	GW
AK2300751	DOT & PF MONTANA CREEK	Fairbanks North Star	GW
AK2370942	DOT & PF PAXSON EMP. HOUSING	Fairbanks North Star	GW
AK2380769	DOT & PF SLANA MAINT. CAMP	Fairbanks North Star	GW
AK2312350	DOT & PF SPRING BEFORE EAGLE	Fairbanks North Star	SW
AK2371566	DOT & PF SPRING MP195 RICH.	Fairbanks North Star	SW
AK2380612	DOT & PF TOK HWY MAINT CAMP	Fairbanks North Star	GW
AK2371176	DOT & PF TRIMMS CAMP	Fairbanks North Star	GW
AK2360303	DOTPF 7 MILE CAMP	Fairbanks North Star	GW
AK2350112	DOTPF CHANDALAR	Fairbanks North Star	GW
AK2350065	DOTPF COLDFOOT	Fairbanks North Star	GW
AK2300280	DOTPF JIM RIVER CAMP	Fairbanks North Star	GW
AK2350138	DOTPF SAG RIVER CAMP	Fairbanks North Star	SW
AK2372766	EAFB VISITORS CENTER/PASS ID FACILITY	Fairbanks North Star	GW
AK2372245	EIELSON - BIRCH LAKE RECREATION AREA	Fairbanks North Star	GW
AK2372596	EIELSON - ENG. HILL - LOWER	Fairbanks North Star	GWP
AK2371231	EIELSON - ENGINEER HILL	Fairbanks North Star	GWP
AK2371184	EIELSON - SKI LODGE	Fairbanks North Star	GW
AK2311613	EL DORADO GOLD MINE	Fairbanks North Star	GW
AK2370031	ELFS DEN	Fairbanks North Star	GW
AK2313932	ENVIRONMENTAL SYSTEMS, INC.	Fairbanks North Star	GW
AK2334047	ERA HELICOPTER, INC.	Fairbanks North Star	SWP
AK2310201	ESTER WELL	Fairbanks North Star	GW
AK2391427	FAA - LAKE MINCHUMINA	Fairbanks North Star	GW
AK2220333	FAA BIG LAKE FACILITY	Fairbanks North Star	GW
AK2291546	FAA CAPE YAKATAGA	Fairbanks North Star	SW
AK2291839	FAA CORDOVA BACKUP WELL	Fairbanks North Star	GW
AK2299074	FAA CORDOVA FSS WELL	Fairbanks North Star	
AK2298929	FAA HINCHINBROOK IS./STRAWBERR	Fairbanks North Star	GU
AK2291936	FAA HINCHINBROOK ISLAND JOHNS	Fairbanks North Star	GW
AK2291928	FAA MIDDLETON ISLAND	Fairbanks North Star	GW
AK2220325	FAA TALKEETNA FSS	Fairbanks North Star	GW
AK2311451	FAIRBANKS AIRPORT CAMPGROUND	Fairbanks North Star	GW

System No.	Water System Name	Location	Source
AK2314378	FAIRBANKS CHRISTIAN CENTER	Fairbanks North Star	GWP
AK2313788	FAIRBANKS GOLF COURSE	Fairbanks North Star	GWP
AK2312693	FAIRHILL COMMUNITY CHURCH	Fairbanks North Star	GW
AK2313005	FARMERS LOOP MARKET	Fairbanks North Star	GW
AK2314352	FBKS NATURAL GAS / DONALD AVE	Fairbanks North Star	GW
AK2312067	FNA - TRANSITIONAL LIVING	Fairbanks North Star	GW
AK2313851	FNA / THE HEALING PLACE	Fairbanks North Star	GW
AK2315049	FNSB BIRCH HILL SKI LODGE	Fairbanks North Star	GW
AK2312164	FNSB BIRCH HILL WARMUP BUILDING	Fairbanks North Star	GW
AK2371265	FNSB SD - BADGER RD ELEM	Fairbanks North Star	GWP
AK2311419	FNSB SD - PEARL CREEK SCHOOL	Fairbanks North Star	GWP
AK2370374	FNSB SD - SALCHA ELEM. SCHOOL	Fairbanks North Star	GWP
AK2310578	FNSB SD - TWO RIVERS ELEM.	Fairbanks North Star	GWP
AK2310251	FNSB SD - WELLER ELEMENTARY	Fairbanks North Star	GWP
AK2314093	FORT KNOX MINE	Fairbanks North Star	GWP
AK2312083	FOX GENERAL STORE	Fairbanks North Star	GW
AK2310269	FOX ROADHOUSE - HAULED WATER	Fairbanks North Star	GW
AK2314815	FOX ROADHOUSE - WELL	Fairbanks North Star	GW
AK2310918	FT WAINWRIGHT - MAIN POST	Fairbanks North Star	GW
AK2311095	FT WAINWRIGHT / DU - GOLF CLUB WELL	Fairbanks North Star	GW
AK2314750	FT WAINWRIGHT / GOLF MAINT. SHOP	Fairbanks North Star	GW
AK2311087	FT WAINWRIGHT / SKI LODGE	Fairbanks North Star	GWP
AK2334132	GGS-480	Fairbanks North Star	SW
AK2312782	GHEMM CO.	Fairbanks North Star	GW
AK2313908	GILMORE APARTMENTS	Fairbanks North Star	GW
AK2314877	GOLD COUNTRY ESTATES I	Fairbanks North Star	GW
AK2311786	GOLD DREDGE #8	Fairbanks North Star	GWP
AK2310471	GOLDEN EAGLE SALOON	Fairbanks North Star	GW
AK2310730	GOLDEN HEART UTILITIES	Fairbanks North Star	GW
AK2315099	GOLDHILL STORE	Fairbanks North Star	GW
AK2314946	GOLDSTREAM STORE / LAUNDRY	Fairbanks North Star	GW
AK2312986	GOLDSTREAM VALLEY MONTESSORI	Fairbanks North Star	GW
AK2315235	GOLDSTREAM WATER	Fairbanks North Star	GWP
AK2315400	GRAF RHEENEERHAAJII	Fairbanks North Star	GW
AK2314598	GREAT WESTERN CHEMICAL	Fairbanks North Star	GW
AK2311867	GREER TANK & WELDING	Fairbanks North Star	GW
AK2314360	GRIZZLY LODGE	Fairbanks North Star	GW
AK2371671	GVEA - DELTA JUNCTION	Fairbanks North Star	GW
AK2391134	GVEA - HEALY POWER PLANT	Fairbanks North Star	GW
AK2312318	GVEA - NORTH POLE	Fairbanks North Star	GW
AK2314653	H2O-2U / WATER WAGON	Fairbanks North Star	GWP
AK2390992	HEALY LAKE COMMUNITY SYSTEM	Fairbanks North Star	GW
AK2315382	HEZ RAY SPORTS COMPLEX	Fairbanks North Star	GW
AK2315366	HOT SPRINGS GAS AND CONVENIENCE STORE	Fairbanks North Star	GW
AK2310366	HOWLING DOG SALOON	Fairbanks North Star	GWP
AK2312952	INDOOR PARK PROPERTIES	Fairbanks North Star	GWP
AK2312106	INDUSTRIAL MACHINE INC.	Fairbanks North Star	GW
AK2311540	INTERIOR ENERGY/MAIN OFF. BLDG	Fairbanks North Star	GW
AK2314394	INTO THE WOODS BOOKSHOP	Fairbanks North Star	GW

System No.	Water System Name	Location	Source
AK2310374	IVORY JACKS	Fairbanks North Star	GW
AK2311134	KANTOLA PARK AND APARTMENTS	Fairbanks North Star	GW
AK2372229	KELLYS KITCHEN	Fairbanks North Star	GW
AK2312889	KIMI APARTMENTS	Fairbanks North Star	GW
AK2312774	KING CAB	Fairbanks North Star	GW
AK2371760	KNOTTY SHOP LLC	Fairbanks North Star	GW
AK2314166	KNOX RETREAT CENTER	Fairbanks North Star	GW
AK2310390	LAKEVIEW TERRACE TRAILER CRT.	Fairbanks North Star	GW
AK2372740	LAZY MOOSE RV PARK	Fairbanks North Star	GW
AK2391736	LDS / DENALI CHAPEL	Fairbanks North Star	GW
AK2372407	LDS / SALCHA CHAPEL	Fairbanks North Star	GW
AK2312253	LDS / STEESE CHAPEL	Fairbanks North Star	GW
AK2315316	LET US CARE	Fairbanks North Star	GW
AK2313924	LIONS YOUTH CAMP	Fairbanks North Star	GW
AK2315251	LITTLE RICHARDS FAMILY DINER	Fairbanks North Star	GWP
AK2360337	LONG CREEK RV/SNACK SHACK	Fairbanks North Star	GW
AK2370277	LOST LAKE BOY SCOUT CAMP	Fairbanks North Star	GW
AK2314742	MAHLER - WEST COMMUNITY WELL	Fairbanks North Star	GW
AK2371621	MAMA CS MOOSE CREEK KITCHEN	Fairbanks North Star	GWP
AK2312300	MAPCO -TRUCK RACK CONTROL BLDG	Fairbanks North Star	GW
AK2314217	MAPCO CRUDE III OFFICE	Fairbanks North Star	GW
AK2310748	MCGRATH RD BAPTIST CHURCH	Fairbanks North Star	GWP
AK2311281	MIRACLE MILE LODGE	Fairbanks North Star	GW
AK2312708	MOBAT TIRE	Fairbanks North Star	GW
AK2314108	MOCHA DANS	Fairbanks North Star	GWP
AK2370552	MOOSE CREEK APARTMENTS	Fairbanks North Star	GW
AK2371312	MOOSE CREEK FIRE STATION	Fairbanks North Star	GW
AK2370308	MOOSE CREEK LODGE	Fairbanks North Star	GW
AK2313869	MOOSE MOUNTAIN	Fairbanks North Star	GW
AK2314491	MT. AURORA FBKS. CRK. CAMP	Fairbanks North Star	GW
AK2372813	NEW HOPE CHURCH / NP	Fairbanks North Star	GW
AK2311493	NEWBY APARTMENTS	Fairbanks North Star	GW
AK2310421	NOAA / NESDIS CDA STATION	Fairbanks North Star	GW
AK2314726	NOAA DATA STATION	Fairbanks North Star	GW
AK2313186	NOAA/VLB WELL	Fairbanks North Star	GW
AK2315332	NORTH POLE CHRISTIAN SCHOOL	Fairbanks North Star	
AK2312334	NORTH POLE GRANGE	Fairbanks North Star	GW
AK2310447	NORTH POLE SPEEDWAY INN	Fairbanks North Star	GW
AK2310675	NORTH POLE UTILITIES	Fairbanks North Star	GW
AK2313063	NORTH STAR ALLIANCE CHURCH	Fairbanks North Star	GW
AK2313796	NORTH STAR GOLF CLUB	Fairbanks North Star	GW
AK2372908	NORTHERN RAIL EXTENSION DAY CAMP	Fairbanks North Star	GW
AK2311037	NORTHLAND WOOD PRODUCTS	Fairbanks North Star	GW
AK2310942	NORTHSTAR CENTER	Fairbanks North Star	GW
AK2311142	ODAY TRAILER COURT	Fairbanks North Star	GW
AK2300735	PATTY APARTMENTS	Fairbanks North Star	GW
AK2310633	PEACEFUL MEADOWS MHP	Fairbanks North Star	GW
AK2315269	PHH BIAS HOUSE	Fairbanks North Star	GW
AK2315277	PHH CHENA HOT SPRINGS RD FARM	Fairbanks North Star	GW

System No.	Water System Name	Location	Source
AK2315285	PHH NORDIN HOUSE	Fairbanks North Star	GW
AK2315293	PHH SILVERBERRY HOUSE	Fairbanks North Star	GW
AK2310714	PIONEER WELLS	Fairbanks North Star	GW
AK2312156	PIONEER WELLS AT FOX	Fairbanks North Star	GW
AK2314302	POKER FLATS-POKER INN/RED HS.	Fairbanks North Star	GW
AK2314310	POKER FLATS-TELEMETRY ANNEX	Fairbanks North Star	GW
AK2310405	POLAR ICE CENTER	Fairbanks North Star	GW
AK2310934	PTARMIGAN HEIGHTS UTILITIES	Fairbanks North Star	GW
AK2310984	PUMP HOUSE RESTAURANT	Fairbanks North Star	GW
AK2314409	QUICKIE PIZZA	Fairbanks North Star	GW
AK2314297	RAVENS RIDGE BREWING CO.	Fairbanks North Star	GW
AK2315421	RI-DON APARTMENTS	Fairbanks North Star	GW
AK2311972	RICHARDSON APARTMENTS	Fairbanks North Star	GW
AK2313306	RIVERVIEW RV PARK	Fairbanks North Star	GW
AK2312415	SALCHA COMMUNITY WATERING POINT	Fairbanks North Star	GW
AK2372473	SALCHA RIVER GUEST HOUSE	Fairbanks North Star	
AK2371150	SALCHA SENIOR CENTER	Fairbanks North Star	GW
AK2372342	SALCHA STORE	Fairbanks North Star	GW
AK2370235	SALCHAKET ROADHOUSE	Fairbanks North Star	GW
AK2312376	SCOTT FULTON	Fairbanks North Star	GW
AK2313843	SECLUDED ACRES UTILITIES, INC.	Fairbanks North Star	GW
AK2313102	SERVICE MASTER BLDG.	Fairbanks North Star	GW
AK2312960	SEVEN GABLES	Fairbanks North Star	GW
AK2312211	SHANNON PARK BAPTIST CHURCH	Fairbanks North Star	GWP
AK2313720	SKILAND	Fairbanks North Star	GWP
AK2314090	SLED DOG RV PARK	Fairbanks North Star	GWP
AK2370439	SNO SHU INN	Fairbanks North Star	GW
AK2370332	SOUTHRIM APARTMENTS	Fairbanks North Star	GW
AK2311744	SPENARD BUILDING SUPPLY	Fairbanks North Star	GW
AK2312732	STOP SHOP	Fairbanks North Star	GW
AK2312724	SUNSHINE RAE	Fairbanks North Star	GW
AK2313047	SYNDOULOS LUTHERAN CHURCH	Fairbanks North Star	GW
AK2320939	TAIGA VENTURES / CAMP #1	Fairbanks North Star	SW
AK2313152	TAIGA WAREHOUSE	Fairbanks North Star	GW
AK2314116	TAIGA WOODLANDS SUBDIVISION	Fairbanks North Star	GWP
AK2314328	TAMARACK WOODS 5-PLEX	Fairbanks North Star	GW
AK2371582	TEST THE WATERS ADVENTURE SPORTS	Fairbanks North Star	GW
AK2372481	THE CHURCH AT NORTH POLE	Fairbanks North Star	GW
AK2320037	THE HOT SPOT	Fairbanks North Star	
AK2310324	THE VALLATA	Fairbanks North Star	GW
AK2312261	TIVI KENNELS	Fairbanks North Star	GW
AK2310895	TOWN & COUNTRY TRAILER COURT	Fairbanks North Star	GW
AK2312009	TRI CON MINING	Fairbanks North Star	GW
AK2310780	TURTLE CLUB	Fairbanks North Star	GW
AK2312813	TWIN SPRINGS WATER	Fairbanks North Star	GW
AK2311605	TWO RIVERS GRANGE	Fairbanks North Star	GW
AK2310756	TWO RIVERS LODGE	Fairbanks North Star	GW
AK2312512	TYCO ACOUSTICS	Fairbanks North Star	GW
AK2312596	U.S. POST OFFICE, ESTER	Fairbanks North Star	GW

System No.	Water System Name	Location	Source
AK2350146	UAF/IAB TOOLIK FIELD STATION	Fairbanks North Star	SW
AK2320117	UMIAT ENTERPRISES INC.	Fairbanks North Star	SW
AK2310683	UNIVERSITY OF ALASKA - FAIRBANKS	Fairbanks North Star	GW
AK2314835	VALLEY CENTER STORE	Fairbanks North Star	GW
AK2312871	VALLEY VIEW CENTER	Fairbanks North Star	GW
AK2310926	VALLEY WATER COMPANY	Fairbanks North Star	GW
AK2370497	VFW #10029 N. POLE	Fairbanks North Star	GW
AK2310803	VILLAGE MOBILE HOME PARK	Fairbanks North Star	GW
AK2314661	WATER MAN	Fairbanks North Star	GWP
AK2370536	WESCOTT GARDENS II	Fairbanks North Star	GW
AK2310209	WGM ANGEL CAMP	Fairbanks North Star	GW
AK2313233	WHITE BIRCH APARTMENTS	Fairbanks North Star	GW
AK2313283	WILD INTERIOR KITCHEN & CRAFT	Fairbanks North Star	GW
AK2310853	WILDWOOD MOBILE HOME PARK	Fairbanks North Star	GW
AK2370510	WOODLAND ACRES MH PARL	Fairbanks North Star	GW
AK2313738	YKSD - DISTRICT OFFICE	Fairbanks North Star	GW
AK2312465	YOUNGS APARTMENT	Fairbanks North Star	GW
AK2391922	229 PARKS HIGHWAY RESTAURANT	Denali	GW
AK2392009	ALPINE CREEK LODGE	Denali	GW
AK2390455	ANDERSON ADMIN BLDG/DAY CARE	Denali	GW
AK2391053	ANDERSON CLINIC	Denali	GW
AK2391477	ANDERSON RIVERSIDE RV DUMP	Denali	GW
AK2391639	BACKWOODS LODGE	Denali	GW
AK2391728	BLACK DIAMOND GOLF COURSE	Denali	GW
AK2391671	BLUESBERRY INN	Denali	GW
AK2390162	CAMP DENALI	Denali	SW
AK2391532	CANTWELL CAFE	Denali	GW
AK2391516	CANTWELL HEALTH CLINIC	Denali	GW
AK2390196	CARLO CREEK LODGE	Denali	GW
AK2390748	CARLO CREEK SPRING	Denali	SW
AK2390609	DENALI - EIELSON VISITOR CTR.	Denali	SW
AK2391215	DENALI - HOTEL-WINTER/VAC	Denali	GW
AK2390594	DENALI - MAIN / FRONT COUNTRY	Denali	SW
AK2390586	DENALI - ROCK CREEK HQ.	Denali	GW
AK2390641	DENALI - SAVAGE RIVER CMPGRND.	Denali	GW
AK2390633	DENALI - TEKLANIKA CMPGRND.	Denali	GW
AK2390625	DENALI - TOKLAT ROAD CAMP	Denali	GW
AK2390617	DENALI - WONDER LAKE CMPGRND.	Denali	GW
AK2391142	DENALI - WONDER LAKE RNGR STA	Denali	SW
AK2391249	DENALI BACKCOUNTRY LODGE	Denali	SW
AK2390015	DENALI BOROUGH SD - ANDERSON SCHOOL	Denali	GW
AK2390146	DENALI BOROUGH SD - CANTWELL	Denali	GW
AK2390285	DENALI BOROUGH SD - TRI-VALLEY	Denali	GW
AK2390358	DENALI CABINS, SO./MILE 229	Denali	GW
AK2390918	DENALI CROWS NEST	Denali	GW
AK2391312	DENALI EDUCATION CENTER	Denali	GW
AK2390544	DENALI GRIZZLY BEAR / CAMPGROUND/CABINS	Denali	GW
AK2391980	DENALI GRIZZLY BEAR CEDAR HOTEL	Denali	GW
AK2391061	DENALI PRESCHOOL & LEARNING CENTER	Denali	GW

System No.	Water System Name	Location	Source
AK2391079	DENALI PRINCESS WILDERNESS LODGE	Denali	GW
AK2390390	DENALI RIVER CABINS/MILE 231	Denali	GW
AK2391443	DENALI RV PARK & MOTEL	Denali	GW
AK2391451	DENALI SUITES	Denali	GW
AK2390528	DEW DROP INN	Denali	GW
AK2391401	ERA HELICOPTER / DENALI PARK	Denali	GW
AK2391964	GRACIOUS HOUSE	Denali	GW
AK2391794	GRANDE DENALI / DENALI BLUFFS	Denali	SW
AK2391948	HOLLAND AMERICA DENALI RESORT	Denali	GW
AK2220943	IGLOO SERVICE STATION	Denali	GW
AK2391875	IN HIS SHADOW MINISTRIES	Denali	GW
AK2390803	KANTISHNA ROADHOUSE	Denali	SW
AK2390447	MCKINLEY CREEKSIDE CABINS	Denali	GW
AK2391930	MCKINLEY CREEKSIDE CABINS EMPLOYEE HOUSI	Denali	GW
AK2391786	MCKINLEY RV & CAMPGROUND	Denali	GW
AK2390293	MCKINLEY VILLAGE LODGE	Denali	GW
AK2390887	MCKINLEY/DENALI SALMON BAKE	Denali	GWP
AK2390536	MINERS MARKET	Denali	GW
AK2391508	MOTEL NORD HAVEN	Denali	GW
AK2390968	MT. VIEW LIQUOR AND GRO.	Denali	GW
AK2390324	NORTH FACE LODGE	Denali	GW
AK2391168	OTTO LAKE RV PARK	Denali	GW
AK2391524	PRINCESS HOMESTEAD	Denali	GW
AK2391362	REINDEER MT. LODGE	Denali	GW
AK2391540	RIDGETOP CABINS	Denali	GW
AK2390764	RIVERSIDE COMFORT STATION	Denali	GW
AK2390811	ROCHESTER LODGE	Denali	GW
AK2391891	ROSE & DAVES CAFE INC.	Denali	GW
AK2390502	STICKLES FOSTER HOME	Denali	GW
AK2391231	THE PERCH RESTAURANT	Denali	GW
AK2390439	TOTEM INN	Denali	GW
AK2391621	WHITE MOOSE LODGE	Denali	GW
AK2391702	WHITE RAVEN LLC	Denali	GW

SENSITIVE AREAS: PART FIVE – LAND MANAGEMENT

A. LAND MANGEMENT DESIGNATIONS

1. Access to Lands: Land ownership must be determined and landowners contacted to evaluate incident-specific protection priorities, obtain land-use permitting requirements, and obtain permission to access lands. Native corporation lands, as well as local, State, and Federal government lands often require special use permits. If an incident affects private lands or Native Allotments, permission to enter lands should be sought from the landowner. The local Borough government is often the best source of private land ownership records.

2. State: The Alaska State Legislature has classified certain areas as being essential to wildlife and fisheries resources and intended to preserve the natural habitat. These State Wildlife Areas are designated as refuges, critical habitat areas, sanctuaries, or state range areas. In addition to the wildlife areas, other legislatively designated lands include parks and recreation areas, state forest areas and multiple use areas. Management of these essential areas is the joint responsibility of the ADF&G and the ADNR. Legislation pertaining to these lands may be found in Alaska Statutes Title 16, Chapter 20. Legal descriptions of area boundaries can be found in the ADF&G publication, State of Alaska Game Refuges, Critical Habitat Areas and Game Sanctuaries (1991). See also www.adfg.alaska.gov/index.cfm?adfg=lands.main and "Recreational Sites and Facilities" for State Parks and recreation areas information www.dnr.alaska.gov/parks/.

Minto Flats State Game Refuge was established in 1988 and is located about 35 miles west of Fairbanks, between Minto and Nenana. It encompasses the lower reaches of the Tolovana and Chatanika Rivers and borders the Tanana River. Minto Flats is a low-lying wetland area and is dotted with numerous lakes, oxbows and potholes. The refuge was specifically established to ensure the protection and enhancement of habitat; the conservation of fish and wildlife; and to guarantee the continuation of hunting, fishing, trapping and other compatible public uses. Minto Flats is one of the highest quality waterfowl habitats in Alaska, supporting high density duck and swan nesting as well as spring and fall staging. Fish, furbearer, and big game populations are also important. The flats provide good sport and subsistence hunting and fishing, and is one of the most popular waterfowl hunting areas in the state. See also: www.adfg.alaska.gov/index.cfm?adfg=mintoflats.main.

Creamer's Field Migratory Waterfowl Refuge was established in 1979 and expanded in 1991. It is located north of the city of Fairbanks and encompasses undeveloped shrub, bog, lake, field and forest environments. The refuge was established specifically to protect and enhance migratory bird habitat with a special emphasis on waterfowl. The refuge is best known for its spring concentrations of ducks, geese, and cranes that use the area as a migratory stopover. Over 150 species of birds have been documented on the refuge. Moose, bear and a variety of furbearers also use the area. The refuge is also managed to provide opportunities for viewing, photography, nature studies and other public uses.

Tanana Valley State Forest was first designated in 1983 and currently contains 1,822,100 acres. Its area extends from north of Fairbanks to north of Tetlin Junction and closely follows the Tanana River on the north. The Forest's area encompasses or is adjacent to many bodies of water including the Tanana, Healy and Robertson Rivers; Lakes George and Mansfield; Fish, Sand Healy and Wolf Lakes; and George, Sand, Mansfield, Fortymile and Billy Creeks.

Delta Junction Bison Range**:** In 1979, the Alaska Legislature established the 90,000-acre Range. The range is cultivated with bison forage crops that are intended to draw bison away from nearby private agricultural lands. Since farming began in the mid 1980s, use of private lands by the free-roaming bison herd has decreased, diminishing conflicts between bison and agriculture.

3. Federal:

Gates of the Arctic National Park and Preserve: About 250 miles northwest of Fairbanks, the Gates of the Arctic was established in 1980 and encompasses approximately 7,952,000 acres. The area is managed to protect its wild and undeveloped character, for mountaineering and wilderness recreation, and to protect habitat and wildlife. Subsistence uses are permitted for local residents. Caribou, moose, Dall sheep, grizzly bear, wolves and raptors are in abundance. The Tinayguk/North Fork, John, upper Alatna, upper Kobuk, and Noatak rivers are nationally designated Wild and Scenic Rivers. www.nps.gov/gaar/index.htm

Denali National Park and Preserve**:** Approximately 120 miles southwest of Fairbanks, the 6,000,000 acre Park and Preserve is a major tourist attraction during the summer months. Dall Sheep, caribou, grizzly bear, moose, wolves, and furbearers are abundant. Controlled road access for wildlife and wilderness viewing, backcountry use, and mountaineering are main activities. The original Park was established in 1917 and enlarged in 1980. The Park straddles the Alaska Range and includes Mount McKinley, the highest point in North America. www.nps.gov/dena/index.htm

Yukon-Charley Rivers National Preserve: Established in 1980 and about 100 miles east of Fairbanks, the Preserve contains approximately 1,713,000 acres. It is to be managed in its undeveloped natural condition for its habitat, wildlife and natural and man-made history. The area contains peregrine falcon, caribou, moose, Dall sheep, grizzly bear and wolves. The Charley River (including Bonanza Creek, Crescent Creek, Flat Creek) is a nationally designated Wild and Scenic River. This unit straddles the upper part of the Yukon River within the United States. www.nps.gov/yuch/index.htm

Nowitna National Wildlife Refuge: The 1,560,000 acre Nowitna Refuge is about 200 miles west of Fairbanks in the central Yukon River Valley. The refuge encompasses forested lowlands, hills, lakes, marshes, ponds, and streams. The Nowitna River is a nationally designated Wild and Scenic River which provides spawning grounds for northern pike and sheefish. The Refuge was established in 1980 and its primary purpose is to protect waterfowl and their habitat. Wetlands within the refuge complex support large waterfowl populations. The most common breeding duck species include American wigeon, northern pintail, mallard, green-winged teal, northern shoveler, surf scoter, white-winged scoter, common and Barrow's goldeneye, bufflehead, and lesser scaup. Canada geese, greater white-fronted geese, trumpeter swans, and tundra swans are found on the refuge in moderate numbers. The greatest concentrations of waterfowl occur during spring and fall migrations on large, shallow floodplain waterbodies. Moose are the largest herbivores in the refuge complex, and play a key role in the boreal forest ecosystem. They are also one of the most important subsistence resources for local residents, as well as popular for sport harvest. These factors make the species a primary focus of wildlife management at the complex. The Refuge also supports black bear, marten, mink, wolverine, beaver, muskrat, and other wildlife. www.fws.gov/refuges/profiles/index.cfm?id=75621

Koyukuk National Wildlife Refuge**:** About 250 miles northwest of Fairbanks, the Koyukuk Refuge was established in 1980 and covers 3,550,000 acres and contains 14 rivers, hundreds of creeks, and over 15,000 lakes. The topography includes extensive floodplain surrounded by rolling hills covered with

boreal forest. The 10,000-acre Nogahabara Dunes are within the Refuge. The Koyukuk National Wildlife Refuge is home to a wide variety of birds, mammals and fish of the boreal forest. Thousands of waterfowl, primarily wigeon, northern pintail, greater and lesser scaup, greater white-fronted geese and Canada geese are joined by both trumpeter and tundra swans on the Koyukuk's lush breeding grounds each spring. Refuge streams and lakes also sustain large fish populations that support subsistence, commercial and sport fisheries. Chinook, coho, and chum salmon migrate up the waters of the Yukon River and its tributaries including the Koyukuk River. Resident fish, such as the predatory northern pike, spend their entire lives in refuge waters. The refuge's mosaic of forests, woodlands, tundra, and grasslands are home to many northern mammals, from moose to shrews and voles. More than 140 bird species, 30 mammal species, and 14 fish species occur on refuge lands and waters. www.fws.gov/refuges/profiles/index.cfm?id=75615

Kanuti National Wildlife Refuge: Established in 1980, the Kanuti Refuge (1,430,000 acres) straddles the Arctic Circle about 150 miles northwest of Fairbanks. A basin of rolling plains of the Kanuti and Koyukuk rivers, the area is interspersed with lakes and ponds. The refuge provides nesting habitat for numerous species of waterfowl including Canada geese (primarily from the Pacific Flyway) and greater white-fronted geese (mainly Central Flyway birds). Ducks, representing all the major flyways in North America, can be found on the refuge, including greater and lesser scaup, American wigeon, northern pintail, surf scoter, northern shoveler, green-winged teal, mallard, bufflehead, canvasback, Barrow's and common goldeneye, ring-necked duck, gadwall, long-tailed duck, and harlequin duck. With the loss of wetlands due to drought and human activities along these flyways south of Alaska, the importance of the Kanuti Refuge as a nesting area for waterfowl increases. The refuge supports 16 species of fish including several species of whitefish, northern pike, grayling, and salmon. Other wildlife includes moose, caribou, black bear, brown bear, beaver, wolf, and wolverine. www.fws.gov/refuges/profiles/index.cfm?id=75610

Innoko National Wildlife Refuge: The northern unit of the Innoko Refuge is located in the Interior Subarea, while the larger, southern unit is located in the Western Alaska Subarea. The Refuge covers 3,850,000 acres and is about 300 miles northwest of Anchorage in the central Yukon River Valley. It was established to protect nesting and breeding habitat of waterfowl. One of the primary reasons the Innoko Refuge was created was its importance as a waterfowl area in Interior Alaska. The Innoko Refuge provides a vast area of wetlands crucial for waterfowl nesting, resting, staging, and molting. More than 130 bird species are found on the refuge. The extensive wetlands provide habitat for more than 300,000 nesting waterfowl and shorebirds. Innoko is an important nesting area for greater white-fronted and lesser Canada geese, northern pintail, wigeon, shovelers, red-necked grebes, lesser yellowlegs, and Hudsonian godwits. Frequent flooding of Innoko's many rivers and streams helps fertilize surrounding soils and maintain the rich willow sandbar habitat that provides winter food for the refuge's moose population, as well as for the beaver that are common along virtually all of Innoko's waterways. Barren ground caribou from the Beaver Mountain herd winter on Innoko when deep snows move them down from the uplands, while both black and grizzly bear and wolves are present year around. Other fur-bearers include marten, lynx, red fox, river otter, and wolverine. www.fws.gov/refuges/profiles/index.cfm?id=75605

Yukon Flats National Wildlife Refuge: The approximately 8,630,000 acre Refuge is about 100 miles north of Fairbanks and was established in 1980. Millions of migrating birds converge on the vast Yukon River floodplain in the spring. The 20,000 nutrient-rich, shallow lakes and ponds support one of the highest densities of nesting waterfowl in North America and contribute to more than 2 million ducks and geese to the North American flyway. In the summer, the Yukon Flats has the highest number of breeding

canvasback ducks in the State of Alaska. Ohtig Lake, approximately five miles south of Chalkyitsik, is an important fall staging area for migratory waterfowl. Salmon spawn in the streams of the Refuge. One of the few known sheefish spawning areas in Alaska is on a stretch of the Yukon River between Fort Yukon and Circle. Common mammals on the Refuge include moose, caribou, wolves, black and grizzly bears, lynx, fox, and marten. Rare plants are known to occur on the Refuge and have been documented in the White Mountains and lowland wetland areas. The White-Crazy Mountains area, in the southern portion of the Refuge, provides habitat for a population of Dall's sheep, and the area was recognized by the USFWS in Alaska as a potential wilderness area. Beaver Creek Wild River flows through this area.
www.fws.gov/refuges/profiles/index.cfm?id=75635

Arctic National Wildlife Refuge: The 19,049,236 acre Refuge extends from the Brooks Range north to the Arctic coastal plain and east to the Canadian border, and includes the range of the Porcupine caribou herd (about 169,000 animals in 2010). The Refuge also supports musk ox, Dall sheep, wolves, wolverines, grizzly and polar bears, and over 200 migratory and resident bird species. Snow blankets the ground 9 months of the year and permafrost is near the surface of the ground. The upper Sheenjek and Wind Rivers are nationally designated Wild and Scenic Rivers. Float trips, sport fishing, backpacking, hunting, wildlife viewing, and subsistence are primary Refuge activities.
www.fws.gov/refuges/profiles/index.cfm?id=75600

White Mountain National Recreation Area: The 1 million-acre national recreation area is located about 50 miles north of Fairbanks. The language of the Alaska National Interest Conservation Lands Act directs BLM to manage the area to provide for public outdoor recreational use and for the conservation of scenic, historic, cultural and wildlife values; and for other uses if they are compatible or do not significantly impair the previously mentioned values. The recreation area includes a major portion of the Beaver Creek component of the national wild and scenic rivers system.
www.blm.gov/pgdata/content/ak/en/prog/nlcs/white_mtns.html

Steese National Conservation Area: The 1.2 million area national conservation are lies northeast of Fairbanks. It consists of two units: the northern unit lies north of the Steese Highway and east of the White Mountains National Recreational Area; the southern unit lies south-east of the Steese Highway and encompasses most of the upper Birch Creek drainage. The conservation areas are managed to provide for multiple uses and maintenance of environmental quality. Special values include the Birch Creek component of the national wild and scenic rivers system and caribou habitat.
www.blm.gov/ak/st/en/prog/nlcs/steese_conserv.html

Fortymile National Wild, Scenic and Recreational River: Nearly 400 miles of stream in the Fortymile River drainage in the eastern interior of Alaska are designated as the Fortymile component of the national wild and scenic rivers system. There are 179 stream miles which are designated as Wild, 200 as Scenic, and 13 as Recreational. These streams and the federal lands along their banks are managed to preserve and enhance the values associated with their free-flowing and unpolluted waters. Wild segments represent vestiges of primitive America. Scenic segments are largely primitive, but accessible in places by roads. Recreational segments are readily accessible by road and may have undergone some impoundment or diversion in the past.
www.blm.gov/pgdata/content/ak/en/prog/nlcs/fortymile_nwsr.html

Lower Sheenjek Wild and Scenic River Study Area: On January 19, 2001, the President of the United States recommended designation of the entire lower Sheenjek River as a national wild river. The intent

of the designation would be to "preserve the free-flowing condition of the river and to protect the outstandingly remarkable cultural (subsistence), wildlife, scenic, and recreational values associated with the river, its water quality, and the adjacent lands." If acted upon by the U.S. Congress, the entire Sheenjek River—from its headwaters in the Arctic Refuge to its mouth on the Yukon Flats Refuge—would be protected as a national wild river. This legislative action would facilitate consistent management and protect the free-flowing nature of the Sheenjek in perpetuity. www.rivers.gov/rivers/sheenjek.php

Trans-Alaskan Pipeline System Corridor (TAPS): That portion of the TAPS Utility Corridor north of Fairbanks managed by BLM is approximately 4.45 million acres in area and is covered by the Utility Corridor Management Plan. This plan identifies the resource values along the Utility Corridor from the Yukon River north, including wildlife, fisheries, threatened and endangered species, cultural resources, and Areas of Critical Environmental Concern. The Corridor Management Plan can be used as a reference for threatened or endangered species, caribou, moose, grizzly bear, bald eagle, peregrine falcon, salmonids and freshwater fish in the Interior Subarea. See the web page at: www.blm.gov/ak/st/en/prog/pipeline_monitoring.html

Snowden Mountain Area of Critical Environmental Concern: This 28,000-acre area provides lambing habitat and mineral licks for Dall Sheep. The mountain also contains excellent exposures of Devonian and Lower Paleozoic rocks, Devonian corals and Cambrian trilobites.

Sukakpak Mountain Area of Critical Environmental Concern: This 3,500 acre area is an excellent area for public viewing of the geology of the Brooks Range including geologic formations and erosional processes. A rare plant species (*Orthotrighum diminutivum*) is found on the slopes of the mountains. Sukakpak Mountain offers one of the more outstanding scenic views along the Dalton Highway.

Nugget Creek Area of Critical Environmental Concern: This is a 3,300-acre area with important mineral licks and a lambing area for Dall sheep.

Poss Mountain Area of Critical Environmental Concern: This is an 8,000 acre area with important licks and a lambing area for Dall Sheep.

Jim River Area of Critical Environmental Concern: This is a 200,000 acre area that contains the watershed of important spawning, over wintering and rearing habitat for chum and king salmon and resident species. This are also has several raptor habitats, and scenic, recreation, and cultural values.

Vulnerable Areas Downstream from TAPS Utility Corridor: See attachment one for rivers, creeks and significant bodies of water in geographical order along the Trans-Alaska Pipeline System utility corridor from north to south within the Interior Subarea.

B. LAND MANAGEMENT MAPS

ADNR, under agreement with ADEC, produced digital base and land management maps for each of the subareas using their ARC-INFO based GIS. The following land management maps provide an index to the Public Land Record and should not be viewed as legal documents. These maps are available on the internet at: www.asgdc.alaska.gov/maps/cplans/subareas.html

For more current detailed information on land status, go to BLM's Spatial Data Management System web site at: www.sdms.ak.blm.gov/isdms/imf.jsp?site=sdms and click on the Generalized Land Status layer

Land management maps can be found on the internet at:
http://www.asgdc.state.ak.us/maps/cplans/subareas.html#interior

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SENSITIVE AREAS: ATTACHMENT ONE

U.S. BUREAU OF LAND MANAGEMENT

Fish Streams Along the Trans-Alaska Pipeline System

The following are excerpts of information generated by the U.S. Bureau of Land Management and presented in "Fish Streams Along the Trans-Alaska Pipeline System: A Compilation of Selected References With Current TAPS Stationing," BLM Open File Report 105 (Fourth Edition) December 2005.

Fish Species Codes

(Adapted from Johnson and Rockwell, 1981)

?	Fish Present?	
AB	Alaska blackfish	Dallia pectoralis
AC	Arctic char	Salvelinus alpinus
AL	Arctic lamprey	Lampetra japonica
AS	American shad	Alosa sapidissima
RB	Burbot	Lota lota
BC	Bering cisco	Coregonus laurettae
BL	American brook lamprey	Lampetra sp.
BW	Broad whitefish	Coregonus nasus
CA	Arctic cisco	Coregonus autumnalis
CD	Sculpin	Family: Cottidae
CI	Cisco	Coregonus sp.
CN	Slimy sculpin	Cottus cognatus
CS	Least cisco	Coregonus sardinella
CT	Cutthroat trout	Oncorhynchus clarkii
DS	Chum (dog) salmon	Oncorhynchus keta
DV	Dolly Varden	Salvelinus malma
GR	Arctic grayling	Thymallus arcticus
HO	Pond smelt	Hypomesus olidus
HW	Humpback whitefish	Coregonus pidschian
IN	Inconnu (sheefish)	Stenodus leucichthys
KO	Kokanee	Oncorhynchus nerka
KS	Chinook (king) salmon	Oncorhynchus tshawytscha
LC	Lake chub	Couesius plumbeus
LS	Longnose sucker	Catostomus catostomus
LT	Lake trout	Salvelinus namaycush
LW	Lake whitefish	Coregonus clupeaformis
NP	Northern pike	Esox lucius
OM	Rainbow smelt	Osmerus mordax
PS	Pink (humpback) salmon	Oncorhynchus gorbuscha

PW	Pygmy whitefish	Prosopium coulteri
RB	Rainbow trout	Oncorhynchus mykiss
RS	Sockeye (red) salmon	Oncorhynchus nerka
RW	Round whitefish	Prosopium cylindraceum
SR	Stickleback	Family: Gasterosteidae
S9	Ninespine stickleback	Pungitius pungitius
SH	Steelhead trout	Oncorhynchus mykiss
SK	Sucker	Family: Catostomidae
SS	Coho (silver) salmon	Oncorhynchus kisutch
TP	Trout —Perch	Percopsis omiscomaycus
WF	Whitefish	Coregonus sp.

EXPLANATION OF HEADINGS

SECTION 00 BPM OPEN FILE REPORT – TAPS FISH STREAMS 04/01/87 PAGE 00 OF 00

MP	STREAM NAME(s)	FISH SPECIES	A D	JaFeMrApMaJuJlAuSeOcNoDe PERIOD OF SENSITIVITY	FIELD STATION	MER T	REFER -ENCE
A/S	Comments		A D		G-5 SEC	R	
4.12	(Edge) Lakes	?			21736 21796	U 10N	AB E F
1.37	TAPS A/G; Causeway				1550+00 1541+70	14E 20	
277.14 91	PROSPECT CREEK TAPSA/G;BLOCKPOINT	CN;GR;KS LS;NP;RW	Y E S	CCCCCCCCCCCCCCCCCC	1463150 1463408 1590++00	F 22n 14w 31	AB E FG
*790.9 2	(Grey Stream) TAPS B/G; CMP	DV; SS		CCCCSSSSSSSSjlauCCCCC	4176212 506+06	C 09S 05W 28	AB E

SECTION 00 = Section 01 is Pump Station. 1 to Pump Station. 2; Section 10 is Pump Station. 10 to Pump Station 11.

MP = The distance in miles from Pump Station 1; *Prefix denotes extrapolated mileage not field checked.

AS = Alyeska Pipeline Service Company (G-100 as-builts) alignment sheet number.

STREAM NAME = Adapted from Johnson and Rockwell, 1981. For example: YUKON RIVER denotes a name recognized by the U.S. Geological Survey; (Small or Jackie's CK) denotes a non-USGS recognized popular name; [Snowpad CK] denotes a new name used in this list.

COMMENTS = TAPS A/G denotes above-ground pipe mode; TAPS B/G denotes below-ground mode; CMP is a corrugated-metal-pipe or culvert; LWC is a low water crossing; BLOCKPOINT is a physical barrier to vehicle passage; CAUSEWAY, BRIDGE, and PARALLEL are self-explanatory.

FISH SPECIES CODES = Adapted from Johnson and Rockwell, 1981. See explanation of codes.

ADAD = "YES" denotes anadromous fish stream designated by Alaska Dept. Fish and Game.

PERIOD OF SENSITIVITY = C denotes Critical period of fish usage; S denotes Sensitive period of fish usage. NOTE: UNDERLINING of a stream's period of sensitivity denotes the recommended sensitivity period if fish return in the future.

FIELD STATION = Distance in feet from Pump Station No 1 as estimated in field; * Prefix denotes an extrapolated stationing not field checked.

G-5 = Obtained from "Selected References" and refers to construction drawings.

MER = Meridian – U is Umiat; F is Fairbanks; C is Copper River.

T = Tier or Township; R = Range; Sec. = Section.

REFERENCE = see "Selected References"

Selected References

(A) Alaska Pipeline Office. 1977. Interim report on zones of restricted activity for fish and wildlife along the Trans-Alaska Pipeline. U.S. Dept. of the Interior. Anchorage. AK. (February 16, 1977: 37pp).

(B) Johnson, Richard L. and Julius Rockwell, Jr. (Revised by J. Rockwell, Jr.). 1981. List of streams and other water bodies along the Trans-Alaska oil pipeline route (Fourth Revision: Draft). U.S. Dept. of the Interior, Alaska Pipeline Office, Anchorage, AK (May 1, 1981).

(C) Elliott, George V. 1980. First interim report on the evaluation of stream crossings and effects of channel modifications on fishery resources along the route of the Trans-Alaska Pipeline. U.S. Fish and Wildlife Service, Anchorage, AK (June, 1980: 77pp).

(D) Elliott, George V. 1982. Final report on the evaluation of stream crossings and effects of channel modifications on fishery resources along the route of the Trans-Alaska Pipeline. U.S. Fish and Wildlife Service, Anchorage AK (March 1982: 110 pp).

(E) Office of Special Projects. 1982. [no title]. U.S. Bureau of Land Management, Anchorage, AK. (May 6, 1982). [This list is commonly referred to as Ken Hunt's list and includes comments from the Alaska Dept. of Fish and Game].

(F) Office of the Federal Inspector for ANGTS. 1984. List of fish stream data. Anchorage, AK (February 13, 1984: 50 pp).

(G) DenBeste, J. and P. McCart. 1984. Catalog of streams associated with the Trans Alaska pipeline System in the northern district. Volume IV. Prepared for Alyeska Pipeline Service Company by Aquatic Environments Inc., Anchorage, AK. (April 1984: 67 pp).

(H) Roberson, Kenneth. 1985 (letter of 12/18). [Comments on First Edition of 1/1/86]. Alaska Dept. of Fish and Game, Glennallen, AK.

(I) Alyeska Pipeline Service Co. 1986 (letter of May 12, No. 86-3642) [Comments on First Edition of 1/1/ 86]. Anchorage AK.

(J) Anadromous Fishes: Alaska Department of Fish and Game, Habitat Division. 1985. Catalog of waters important for spawning, rearing or migration of anadromous fishes, as revised March 29, 1985 effective May 19, 1985; Regions II, V, and VI. Juneau, AK.

(K) Gnath, D.G., D.W. Lieb, and M. Wiedmer. 2002. Trans-Alaska Pipeline System 2002 Fish Habitat Survey. Alaska Department of Fish and Game, Habitat and Restoration Division, Technical Report No. 02-07, Anchorage, AK.

Section MP A/S	Stream Name(s) Comments	Fish Species	A D A D	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
168.64 169.07 110	(West Fork, North Fork, Chandalar River FLPLN) TAPS B/G; LWC Fish parallel to ROW	GR			890436 892700	U 15S 11E 26	J
170.60 170.79 109	(West Fork, North Fork, Chandalar River FLPLN) TAPS B/G; LWC	CN;CI? DV?GR; HW?NP? RW		jafemrapCCCCSSSSCCCCnode	900767 901746 1093+00 1083+21	U 16S 11E 03	AB DE FG
171.44 109	(West Fork, North Fork, Chandalar River) TAPS B/G; LWC	CN;CI? DV?GR; HW?NP? RW		jafemrapCCCCSSSSCCCCnode	905187	U 16S 11E 03	
  109	(Chandalar Shelf CK) TAPS B/G; DOES NOT CROSS	GR			NO TAPS XING 1046+14	U 16S 11E 03	B
173.28 173.44 109	(West Fork, North Fork, Chandalar River) TAPS B/G; BLOCKPOINT	CN;CI? DV?GR; HW?NP? RW		jafemrapCCCCSSSSCCCCnode	914900 915740 957+00 945+23	U 16S 11E 16	AB DE FG
175.38 109	(Andy's CK) TAPS B/G; LWC	CN;DV; GR		jafemrapSSSSSSSSSSSnode	9260000 841+65 840+52	U 16S 11E 20	AB E FG
175.56 109	(Truck Stop CK) TAPS B/G; LWC	CD;DV; GR?RW?		jafemrapSSSSSSSSSSSnode	926950 832+56	U 16S 11E 20	B I

Section MP / A/S	Stream Name(s) / Comments	Fish Species	A D A D	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
175.76 109	(Truck Stop CK) TAPS B/G; LWC	CD?DV? GR?RW?		jafemrapSSSSSSSSSSSnode	928000 824+20	U 16S 11E 30	B I
175.81 109	(Truck Stop CK) TAPS B/G: LWC	CD;DV; GR;RW?		jafemrapSSSSSSSSSSSnode	928300 822+41	U 16S 11E 30	B I
  109	(Truck Stop CK) TAPS B/G: DOES NOT CROSS	CD?;DV; GR;RW		jafemrapSSSSSSSSSSSnode	NO TAPS XING 820+73	U 16S 11E 30	B
  109	(Truck Stop CK) TAPS B/G; DOES NOT CROSS	CD?;DV? GR;RW		jafemrapSSSSSSSSSSSnode	NO TAPS XING 818+78	U 16S 11E 30	B
  109	(Truck Stop CK) TAPS B/G; DOES NOT CROSS	CD?DV? GR;RW		jafemrapSSSSSSSSSSSnode	NO TAPS XING 807+28	U 16S 11E 30	B
176.11 109	[One-Seven-Six Mile CK] TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSSnode	929843 929903 802+90	U 16S 11E 30	B F I J
176.68 177.26 108	(Beaver Brook) TAPS B/G; LWC	CD?DV GR?		jafemrapSSSSSSSSSSSnode	932845 935924 777+60 769+59	U 16S 11E 30	AB F I J
177.28 177.78 108	DIETRICH RIVER TAPS B/G; BLOCKPOINT	BB?CN; DV;GR; LS?RW		jafemrapSSSSSSSSSSSnode	936025 938700 742+44 714+42	U 16S 10 25 & 36	AB E F
177.95 108	(Bear Track CK) TAPS B/G; LWC	DV?GR		jafemrapSSSSSSSSSSSnode	939590 705+50	U 16S 10E 36	B F I
178.78 108	(Oskar's Eddy) TAPS A/C; LWC	DV;GR		jafemrapSSSSSSSSSSSnode	943968 944038 663+02	U 17S 10E 02	AB FG
179.33 180.41 108	DIETRICH RIVER (Schroeder's Spring) TAPS B/C; BLOCKPOINT	BB;CN; DV;GR; LS;RW		CCCCCCCCCCSSSSSSCCCCCCCC OVER-WINTERING AREA FOR DV; GR; RW	946870 952575 626+00 578+00	F 37N 09W 25 & 35	AB E FG
180.74 181.39 108	DIETRICH RIVER TAPS B/G; BLOCKPOINT	BB;CN; DV;GR; LL;RW		CCCCCCCCCCSSSSSSCCCCCCCC	954290 957750 556+00 525+75	F 36N 10W 02 & 03	AB FG

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
181.63 181.93 108	DIETRICH RIVER TAPS B/G; BLOCKPOINT	BB;CN; DV;GR; LS;RW		CCCCCCCCCCSSSSSSCCCCCCCC	959000 960600 513+95 500+36	F 36N 10W 03	AB FG
182.57 184.21 107	DIETRICH RIVER TAPS B/G; BLOCKPOINT	BB;CN; DV;GR; LS;RW		CCCCCCCCCCSSSSSSCCCCCCCC	964000 972650 457+37 379+39	F 36N 10W 10,15 16&21	AB FG
184.28 107	NUTIRWIK CREEK TAPS B/G; BLOCKPOINT	CN;DV; GR;RW?		jafemrapSSSSSSSSSSnode	972650 973300 375+54	F 36N 10W 21	AB E FG
185.18 107	(Beaver Dam Brook) TAPS B/G; CMP	GR?		jafemrapSSSSSSSSSSnode	977750 334+05	F 36N 10W 28	 F I
185.27 107	(Beaver Dam Brook) TAPS B/G; CMP	GR?		jafemrapSSSSSSSSSSnode	978250 334+05	F 36N 10W 28	 F I
185.46 107	(Beaver Dam Brook) TAPS B/G; CMP	GR?		jafemrapSSSSSSSSSSnode	979250 334+05	F 36N 10W 28	 F I
185.98 107	(Beaver Dam Brook) TAPS B/G; LWC	GR		jafemrapSSSSSSSSSSnode	982000 296+00	F 36N 10W 28	AB F
185.98 186.70 107	DIETRICH RIVER TAPS B/G; BLOCKPOINT	BB;CN; DV;GR; LS		CCCCCCCCCCSSSSSSCCCCCCCC	982000 985750 284+64 282+68 280+70 278+94 276+00 259+21 249+14 248+79	F 36N 10W 28 & 33	 B E B EF B EF A EF B EF B EF B EF A EF
187.46 107	(Tracey's Trickle or Unnamed Creek #1) TAPS B/G; LWC	CD?DV? GR;RW?		jafemrapSSSSSSSSSSnode	989775 212+40	F 35N 10W 04	B F I
188.35 106	(One-0-Six CK) TAPS B/G; LWC	BB?CN? DV?GR? SK?WF			994475 108+50	F 35N 10W 09	B I

Section MP A/S	Stream Name(s) Comments	Fish Species	A D A D	Ja Fe Mr Ap Ma Ju Jl Au Se Oc No De Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
189.26 106	(One-0-Six CK) TAPS B/G; BLOCKPOINT	BB?CN? DV?;GR? SK?WF?			999300 86+84	F 35N 10W 16	B I
189.92 106	(Burger's Bayou) TAPS B/G; LWC	BB;CN; DV;GR		jafemrapSSSSSSSSSSSnode	1002800 72+43	F 35N 10W 16	AB E F
190.39 106	(Ruff CK) TAPS B/G; LWC	GR			1005200 1005300 53+10	F 35N 10W 21	AB E F
191.80 106	(Steep CK) TAPS B/G; LWC	CD?GR?			1012600 1012786 2235+00	F 35N 10W 28	B
192.33 192.99 106	DIETRICH RIVER (Big Jim Over-wintering Area) TAPS B/G; BLOCKPOINT	BB?CN; DV?GR; LS?RW		CCCCCCCCCCSSSSSSCCCCCCCC BIG JIM OVER-WINTERING AREA	1015500 1019000 2195+05 2182+00	F 35N 10W 33	AB E FG
193.75 105	[One-O-Five CK] TAPS B/G; PARALLEL ONLY	GR?		jafemrapSSSSSSSSSSnode	1023000 2123+20	F 34N 10W 04	B F I
194.04 195.91 105	DIETRICH RIVER TAPS B/G; BLOCKPOINT	BB?CN; DV;GR; LS?RW		jafemrapCCCCSSSSCCCCnode (includes Ugh Creek which passes through CMP in dike)	1024536 1034400 2108+00 2011+33	F 34N 10W 04, 09, 10&15	AB E F I
196.98 105	(Stanzla CK) TAPS A/G; LWC	GR;LS; RW		jafemrapCCCCSSSSCCCCnode	1040054 1040107 1952+70	F 34N 10W 22	AB E F
197.08 105	(Dunder's Dribble) TAPS A/G; LWC	CN;GR; RW?		SSSSSSSSSSSSSSSSSSSSS	1040534 1040589 1947+76	F 34N 10W 22	AB E F
197.19 105	(Number Lakes CK) TAPS A/G; LWC	CN;GR		jafemrapCCCCSSCCCCCCnode	1041136 1041207 1940+81	F 34N 10W 22	AB E F
  105	[One-Nine-Seven Mile CK] TAPS A/G; DOES NOT CROSS	DV?GR?;		jafemrapSSSSSSSSSSnode	NO TAPS XING 1934+00	F 34N 10W 22	B F
197.86 105	(Snowden Pond Outlet) TAPS A/G; LWC	CN;GR?		jafemrapSSSSSSSSSSnode	1044680 1044740 1906+65	F 34N 10W 27	AB E F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	A D A D	Ja Fe Mr Ap Ma Ju Jl Au Se Oc No De Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
198.03 105	[One-Nine-Eight Mile CK] TAPS A/G; LWC	GR?		jafemrapSSSSSSSSSSSnode	1045589 1045649 1897+34	F 34N 10W 26	AB F I
198.56 105	SNOWDEN CREEK TAPS A/G; LWC	CN;;DV; GR;RW?		jafemrapSSSSSSSSSSSnode	1048364 1048432 1869+54	F 34N 10W 26	AB E FG
200.02 104	(Sahr's Slough) TAPS A/G; CMP	GR; CN		jafemrapSSSSSauseocnode	1056107 1056171 1794+00	F 33N 10W 02	AB E F
200.17 104	(Sahr's Slough) MP 200 BYPASS TAPS A/G; LWC	GR		jafemrapSSSSSauseocnode	1056908 1056970	F 33N 10W 02	
200.17 200.72 104	DIETRICH RIVER SECTION BYPASSED AT MP 200 REPAIR TAPS B/G; BLOCKPOINT	BB;CN; DV;GR; LS;RW		CCCCCCCCCCSSSSSCCCCCCC	1056833 1059782 1785+60 1756+00	F 33N 10W 02	AB E F
200.89 104	(Trap Slough) TAPS A/G; LWC	DV		jafemrapCCCCSSSSCCCCnode	1060686 1060749 1747+34	F 33N 10W 11	AB E FG
201.43 104	(Disaster CK) TAPS A/G; LWC	CN;GR		jafemrapSSSSSSSSSSSnode	1063529 1063603 1718+00	F 33N 10W 11	AB E FG
202.14 104	(Airport CK) TAPS A/G; CMP	DV;GR		jafemrapSSSSSSSSSSSnode	1067293 1067359 1680+00	F 33N 10W 14	AB F
202.85 104	(Middle Fork, Airport CK) TAPS A/G; LWC	CN?GR?		jafemrapCCCCSSSSCCCCnode	1071019 1071084 1644+13	F 33N 10W 13	B F I
202.99 104	(South Fork, Airport CK) TAPS A/G; CMP	GR?		jafemrapSSSSSSSSSSSnode	1071743 1071808 1637+70	F 33N 10W 24	B F I
203.57 104	(Steitz Lake Outlet) TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSSnode	1074799 1074869 1610+00	F 33N 10W 24	B F
203.63 104	(Steitz Lake Outlet) TAPS A/G; LWC	BB;CN; DS?DV? GR;LS		jafemrapCCCCSSSSCCCCnode	1075159 1075229 1608+00	F 33N 10W 24	AB E FG

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
203.80 104	(Steitz Lake Overflow) TAPS A/G; LWC	CN;GR			1076010 1076069 1600+00	F 33N 10W 24	B
204.05 104	(Brockman CK) TAPS A/G; SUMMER BLOCKPOINT	CN;DV; GR;RW		jafemrapSSSSSSSSSSSnode	1077385 1077679 1581+65 1579+18	F 33N 10W 25	AB E FG
204.69 104	(1415 Lake Inlet) TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSSnode	1080751 1080811 1556+18	F 33N 10W 25	F
204.80 104	(1415 Lake Outlet) TAPS A/G; LWC	?			1081362 1081287	F 33N 10W 25	
205.30 104	DIETRICH RIVER TAPS A/G; BLOCKPOINT	BB;CN; DV?GR; LS;RW		CCCCCCCCCCSSSSSSCCCCCCCC	1084002 1084402 1533+95 1526+55	F 33N 10W 35	AB E F
205.74 103	(Eva's Alv) TAPS A/G; LWC	CD;GR DV		jafemrSSSSSSSSSSSSnode	1086260 1086330 1507+55	F 33N 10W 35	AB E F J
206.46 103	[Two-O-Six Mile CK] TAPS A/G; LWC	GR?		jafemrSSSSSSSSSSSSnode	1090099 1090164 1450+60	F 33N 10W 34	A I
206.53 103	[Two-O-Six Mile CK] TAPS A/G; LWC	GR?			1090454 1090529	F 33N 10W 34	
206.90 103	(Millie's Meander) TAPS A/G; LWC	GR?		jafemrSSSSSSSSSSSSnode	1092375 1092440 1444+19	F 32N 10W 04	B F
207.37 103	(Millie's Meander) TAPS A/G; PARALLEL ONLY	CN;GR		jafemrSSSSSSSSSSSSnode	1094902 1094962 1420+00	F 32N 10W 04	AB E F
207.62 103	(Millie's Meander) TAPS A/G; PARALLEL ONLY	CN;GR		jafemrSSSSSSSSSSSSnode	1096222 1096282 1412+00	F 32N 10W 04	AB E F
207.76 103	(Way Back CK) TAPS B/G; LWC	GR?		jafemrSSSSSSSSSSSSnode	1096975 1406+00	F 32N 10W 09	AB E F I
208.01 208.45 103	Middle Fork KOYUKUK R. TAPS A/G; BLOCKPOINT	BB?CN; DS?DV; GR;LS; NP?RW	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	1098300 1100600 1384+47 1361+45	F 32 10W 09	AB E F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
209.02 103	(North Fork, Sukakpak CK) TAPS A/G; LWC	CD;GR		jafemrSSSSSSSSSSSSSnode	1103583 1103643 1332+30	F 32N 10W 16	BC F
209.54 103	(West Fork, Sukapak CK or Pamplin's Potholes) TAPS A/G; LWC	CN;DV; GR		jafemrCCCCCCSSSSCCCCnode	1106337 1106407 1305+50	F 32N 10W 16	A B C D F
210.03 103	(East Fork, Sukakpak CK) TAPS A/G; PARALLEL ONLY TAPS DOES NOT CROSS	GR		jafemrSSSSSSSSSSSSSnode	1108862 1109102 1276+77	F 32N 10W 21	A B C F
210.22 103	(Marsh CK) TAPS A/G; CMP	CN;GR		jafemrCCCCCCSSSSCCCCnode	1109943 1110003 1268+96	F 32N 10W 21	A B C F
210.44 103	(Marsh CK) TAPS A/G; LWC Fish parallel to ROW	GR;LS		jafemrCCCCCCSSSSCCCCnode		F 32N 10W 21	J
210.57 103	(Marsh CK) TAPS A/G; LWC	CN;GR LS		jafemrCCCCCCSSSSCCCCnode	1111792 1111862 1258+35	F 32N 10W 21	A B C F J
210.93 103	(Marsh CK) TAPS B/G; LWC	CN;GR		jafemrCCCCCCSSSSCCCCnode	1113750 1250+00	F 32N 10W 20	A B C F
210.94 211.41 103	Middle Fork, KOYUKUK R. TAPS B/G; BLOCKPOINT	BB? CN DS;DV; GR;LS; NP?RW	Y E S	SSSSSSCCCCCCSSSSCCCCSSSS	1113750 1116250 1237+55 1207+63	F 32N 10W 20 & 29	A B E F
211.49 102	[One-0-Two-North CK] TAPS A/G; LWC	GR			1116641 1116696 1202+40	F 32N 10W 29	B
212.79 102	(Spoiled CK) TAPS A/G; LWC	GR?		jafemrSSSSSSSSSSSSnode	1123521 1123580	F 32N 10W 32	I
212.89 102	[Koyukuk Slough] TAPS A/G; LWC	GR?		jafemrCCCCCCSSauseocnode	1124001 1124071 ?	F 32N 10W 31	E I
213.03 102	(Valve Site CK) TAPS A/G; CMP	GR?			1124772 1124831 1121+05	F 32N 10W 31	B F
215.33 102	LINDA CREEK TAPS A/G; BLOCKPOINT	CN;GR		jafemrSSSSSSSSSSSSSnode	1136782 1136900 1001+18	F 31N 10W 07	A B E F G

Section MP A/S	Stream Name(s) Comments	Fish Species	A D A D	Ja Fe Mr Ap Ma Ju Jl Au Se Oc No De Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
215.81 102	GOLD CREEK TAPS B/G; SUMMER BLOCKPOINT	CN;DV? GR;RW?		jafemrCCCCCCSSSSCCCCnode	1139410 1139550 976+00	F 31N 10W 18	A B E F G
216.30 102	(Cushing CK) TAPS A/G; LWC	GR?		jafemrSSSSSSSSSSSSSnode	1142019 1142074 948+66	F 31N 10W 18	A B E
216.59 102	SHEEP CREEK TAPS A/G; LWC	CN;GR		jafemrCCCCCCSSSSCCCCnode	1143574 1143369 933+01	F 31N 10W 19	A B E F
217.45 101	NUGGET CREEK TAPS A/G; LWC	CN;DV; GR;RW?		jafemrSSSSSSSSSSSSSnode	1148336 1148391 886+52	F 31N 10W 19	A B E F G
218.00 101	(Alignment Slough) TAPS A/G; CMP	CD?GR		jafemrCCCCCCSSSSCCCCnode	1150992 1151052 859+99	F 31N 11W 25	A B E F
218.07 101	(Alignment Slough) TAPS A/G; CMP	CD?GR		jafemrCCCCCCSSSSCCCCnode	1151409 1151469 855+94	F 31N 11W 25	A B E F
218.15 101	(Alignment Slough) TAPS A/G; LWC	CD?GR?		jafemrCCCCCCSSSSCCCCnode	1151760 1151835 848+93	F 31N 11W 25	AB E F I
218.21 101	(Alignment Slough) TAPS A/G; CMP	CD?GR		jafemrCCCCCCSSSSCCCCnode	1152070 1152139 845+28	F 31N 11W 25	A B E F
218.28 101	(Alignment Slough) TAPS A/G; LWC	CD?GR?		jafemrCCCCCCSSSSCCCCnode	1152492 1152556 843+20	F 31N 11W 25	AB E I
218.35 101	(Alignment Slough) TAPS A/G; CMP	CD?GR		jafemrCCCCCCSSSSCCCCnode	1152847 1152902 840+20	F 31N 11W 25	A B E F
218.45 101	(Alignment Slough) TAPS A/G; CMP	CD?GR		jafemrCCCCCCSSSSCCCCnode	1153361 1153434 835+63	F 31N 11W 25	A B E F
219.03 101	OVER CREEK (Complex) TAPS A/G; CMP	BB;GR		jafemrSSSSSSSSSSSSSnode	1156490 1156552 805+39	F 31N 11W 26	AB E F
219.08 101	Tributary OVER CREEK TAPS A/G; LWC	BB;GR		jafemrSSSSSSSSSSSSSnode	1156732 1156793 803+12	F 31N 11W 26	A B E F

Section MP A/S	Stream Name(s) Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
219.13 101	OVER CREEK (Complex) TAPS A/G; CMP	BB;GR		jafemrSSSSSSSSSSSSSnode	1156963 1157033 802+12	F 31N 11W 35	A B E F
219.20 101	OVER CREEK (Complex or Rainbow CK) TAPS A/G; CMP	BB;GR CN		jafemrSSSSSSSSSSSSSnode	1157333 1157403 796+36	F 31N 11W 35	A B E F J
219.52 101	(Richardson Slough or Coon Gulch?) TAPS A/G; LWC	GR;LS? RW?		jafemrSSSSSSSSSSSSSnode	1159070 1159135 781+90	F 31N 11W 35	B E F
219.59 101	(Richardson Slough) TAPS A/G; LWC	CN?GR; LS;RW		jafemrSSSSSSSSSSSSSnode	1159430 1159495 778+00	F 31N 11W 35	A B E F
221.80 101	(One-0-One CK) TAPS A/G; LWC	CN;GR; LS?		jafemrCCCCCCSSSSCCCCnode	1171039 1171101 664+00	F 31N 11W 33	A B E F
221.96 222.07 101	Middle Fork, KOYUKUK R. TAPS A/G; BLOCKPOINT	BB?CN CS?DS; DV;GR; KS?LS; NP?RW	Y E S	CCCCCCCCCCCCSSCCCCCCCCCC	1171932 1172525 651+50	F 31N 11W 33	A B E F
222.28 222.37 101	HAMMOND RIVER TAPS A/G; BLOCKPOINT	CN;DV; GR;KS WF;LS DS	Y E S	jafemrSSSSSSSSSSSSSnode	1173644 1173864 635+50	F 31N 11W 32 & 33	A B E F J
223.19 100	(Confederate Gulch or Fry CK) TAPS A/G; LWC	GR?		jafemrCCCCCCSSSSCCCCnode	1178399 1178470 590+75	F 30N 11W 05	B F I
223.67 100	(Union Gulch) TAPS A/G; LWC	CN;GR LS?RW?		jafemrSSSSSSSSSSSSSnode	1180957 1181027 565+10	F 30N 11W 05	F I J
224.23 100	(Union Gulch CK) TAPS A/G; LWC	CN;GR; LS?RW		jafemrCCCCCCSSSSCCCCnode	1183878 1183948 535+90	F 30N 11W 07	A B F
224.55 100	(Union Gulch CK) TAPS A/G; BLOCKPOINT	CN;GR; LS;RW		jafemrCCCCCCSSSSCCCCnode	1185606 1185666 517.98	F 30N 11W 07	A B E
224.62 222.94 101	Middle Fork, KOYUKUK R. TAPS A/G; BLOCKPOINT	CN;DS; DV;GR; KS;LS; NP?RW	Y E S	CCCCCCCCCCCCSSCCCCCCCCCC	1186000 1187700 517+24 495+50	F 30N 11W 07	A B E F

Section MP A/S	Stream Name(s) Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
225.76 100	MINNIE CREEK TAPS A/G; BLOCKPOINT	BB;CN; DV;GR; LS;RW		jafemrSSSSSSSSSSSSSnode	1191996 1192060 453+95	F 30N 11W 18	A B E F G
227.40 100	(Confusion CK) TAPS B/G; CMP	CN;GR		jafemrSSSSSSSSSSSSSnode	1200600 1200659 369+00	F 30N 11W 30	A B E F
232.79 99	(Pence's Pond) TAPS B/G; CMP	CD?GR		jafemrSSSSSSSSSSSSSnode	1229086 85+80	F 29N 12W 23	A B E F
233.21 99	MARION CREEK TAPS B/G; BLOCKPOINT	CN;DV; GR;KS; RW	Y E S	jafemrSSSSSSSSSSSSSnode	1231600 61+85 59+85	F 29N 12W 23	A B E F G
233.38 99	(Sharon CK) TAPS B/G; CMP	BB?CN? GR?LS? RW?		jafemrSSSSSSSSSSSSSnode	1232225 55+00	F 29N 12W 26	A B F
233.54 99	(Sharon CK) TAPS B/G; CMP	BB?CN? GR?LS? RW?		jafemrSSSSSSSSSSSSSnode	1233075 45+43	F 29N 12W 26	AB E F
234.29 99	(Mary Angel CK) TAPS B/G; CMP	BB;CN; GR;LS; WF		jafemrCCCCCCSSSSCCCCnode	1236800 8+47	F 29N 12W 26	A B E F
234.34 98	(South Fork, Mary Angel CK) TAPS B/G; CMP	CN;GR		jafemrSSSSSSSSSSSSSnode	1237150 4+30	F 29N 12W 26	A B E F
235.51 98	(Texas Slough) TAPS B/G;; PARALLEL ONLY; TAPS NOT CROSS	CN;GR; KS		jafemrSSSSSSSSSSSSSnode	1243275 1243475 1089+00 1087+00	F 28N 12W 03	A B D E F
235.64 98	(1079 Slough) TAPS B/G; CMP	CN;GR		jafemrCCCCCCSSSSCCCCnode	1244062 1079+50	F 28N 12W 03	A B E F
236.07 98	(Oregano CK) TAPS B/G; LWC	CN?DV; GR		jafemrSSSSSSSSSSSSSnode	1246450 1057+00	F 28N 12W 03	A B E F
236.15 98	(Equisetum CK) TAPS B/G; CMP	GR		jafemrSSSSSSSSSSSSSnode	1247000 1051+80	F 28N 12W 03	A B E F

Section MP A/S	Stream Name(s) Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
236.45 98	CLARA CREEK TAPS A/G; CMP	GR?		jafemrSSSSSSSSSSSSnode	1248425 1248490 1036+20	F 28N 12W 10	 F I
236.50 98	CLARA CREEK TAPS A/G; CMP	CN?GR; RW?		jafemrSSSSSSSSSSSSSnode	1248648 1248715 1033+06	F 28N 12W 10	AB E F
236.77 98	CLARA CREEK Overflow TAPS A/G; CMP	CN?GR; RW		jafemrSSSSSSSSSSSSSnode	1250077 1250137 1019+50	F 28N 12W 10	AB E F
236.83 98	South Fork, CLARA CK TAPS A/G; CMP	CN;DV? GR;RW		jafemrSSSSSSSSSSSSSnode	1250437 1250497 1015+50	F 28N 12W 10	AB E F
237.04 98	(Calf CK) TAPS A/G; BRIDGE	CD?DV? GR;RW?		jafemrSSSSSSSSSSSSSnode	1251552 1251612 1004+30	F 28N 12W 10	AB E F
237.51 98	SLATE CREEK TAPS B/G; BLOCKPOINT	CN;DS; DV;GR; KS;RW	Y E S	jafemrCCCCCSSCCCCCCCnode	1254250 1254450 976+83	F 28N 12W 15	AB E FG
239.26 98	(Horseshoe Slough) TAPS A/G; CMP	GR?		jafemrSSSSSSSSSSSSSnode	1263276 1263344 888+00	F 28N 12W 20	A B
239.75 98	(Spring Slough) TAPS A/G; LWC	CD;GR		jafemrCCCCCCSSSSCCCCnode	1265884 1265947 862+10	F 28N 12W 20	A B E F
240.13 97	(East Fork, Spring Slough) TAPS A/G; CMP	GR		jafemrSSSSSSSSSSSSSnode	1267880 1267940 842+00	F 28N 12W 29	A B F
240.26 97	(East Fork, Spring Slough) TAPS A/G; LWC	GR		jafemrSSSSSSSSSSSSSnode	1268559 1268619 835+90	F 28N 12W 29	A B F
240.37 97	(Spring Slough) TAPS A/G; CMP	CD?GR		jafemrCCCCCCSSSSCCCCnode	1269132 1269191 829+50	F 28N 12W 29	A B F
240.66 97	(South Fork, Spring Slough) TAPS A/G; CMP	CN?GR; NP		jafemrSSSSSSSSSSSSSnode	1270653 1270713 810+00	F 28N 12W 29	A B F
240.78 97	(Spring Slough) TAPS A/G; CMP	CN;GR		jafemrCCCCCCSSSSCCCCnode	1271357 1271411 804+00	F 28N 12W 29	A B F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
242.80 97	ROSIE CREEK TAPS B/G; CMP (Spur Dike 13)	CN;DV? GR;RW? KS	Y E S	jafemrSSSSSSSSSSSSSnode	1282475 694+50	F 27N 12W 06	A B E F J
242.91 97	ROSIE CREEK TAPS B/G; LWC	CN;DV? GR;RW? KS	Y E S	jafemrSSSSSSSSSSSSSnode	1282565	F 27N 12W 06	A B E F J
243.00 243.09 97	ROSIE CREEK TAPS B/G; (2) CMPs in Dike 11 Open channel in Spur Dike 10A Stream parallel to TAPS	CN;DV; GR;RW		SSSSSSCCCCCCSSSSCCCCSSSS	1283040 1283515	F 27N 13W 01	
243.41 97	ROSIE CREEK TAPS B/G; LWC	CN;DV; GR;RW		SSSSSSCCCCCCSSSSCCCCSSSS	1285200 666+00	F 27N 13W 01	A B F G
243.94 97	(Mud CK) TAPS B/G; CMP	BB;GR		jafemrSSSSSSSSSSSSSnode	1287989 1288049 639+30	F 27N 13W 12	A B E F
244.84 97	(Jackson Slough) TAPS A/G; CMP	CN;GR; KS;RW		jafemrCCCCCCSSSSCCCCnode	1292730 1292799 593+00	F 27N 13W 11	A B D E F
245.27 97	(Jackson Slough) TAPS A/G; CMP	CN;GR; KS;RW		jafemrCCCCCCSSSSCCCCnode	1294964 1295024 570+78	F 27N 13W 14	A B D E F
97 APL/AMS-1A (Jackson Slough)						B D	
245.52 96	(Jackson Slough) TAPS A/G; BLOCKPOINT	CN;GR; KS?RW		jafemrCCCCCCSSSSCCCCnode	1296343 1296403 555+85	F 27N 13W 14	A B D E F
245.6 96	Jackson Slough (Lower Reach) TAPS A/G; BLOCKPOINT	CN;GR; KS		jafemrCCCCCCSSSSCCCCnode	1296363	F 27N 13W 14	J
246.26 96	(Trent's Trickle) TAPS A/G; CMP	CN;GR; NP?		SSSSSSCCCCCCSSSSCCCCSSSS	1300218 1300273 518+39	F 27N 13W 23	A B E F
247.40 96	[Ninety-Six CK] TAPS A/G; CMP	CD?GR? NP?		jafemrCCCCCCSSauseocnode	1306245 1306304 458+70	F 27N 13W 26	A B E F
248.18 96	(North Fork, Windy Arm CK) TAPS A/G; BLOCKPOINT	CN;GR; NP?		jafemrSSSSSSSSSSSSSnode	1310328 1310508 417+25	F 27N 13W 26	A B E F

Section MP A/S	Stream Name(s) Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
249.59 96	(South Fork, Windy Arm CK) TAPS A/G; CMP	GR		jafemrSSSSSSSSSSSSSnode	1317809 1317864 343+75	F 26N 13W 02	B F I
250.50 96	(Chapman CK) TAPS A/C; LWC	CD?GR; NP?		jafemrSSSSSSSSSSSSSnode	1322631 1322691 295+17	F 26N 13W 11	A B E F
251.69	(Crossroads CK) TAPS A/G; CMP	NP?			1328901 1328972 233+60	F 26N 13W 14	B F
251.72	(Crossroads CK) TAPS A/G; LWC	NP?			1329032 1329087 232+25	F 26N 13W 14	B F
251.79	(Crossroads CK) TAPS A/G; CMP	NP?			1329397 1329453 228+75	F 26N 13W 14	B F
251.90	(Crossroads CK) TAPS A/G; CMP	NP			1330003 1330063 222+50	F 26N 13W 14	B F
256.26 256.36 94	South Fork, KOYUKUK R. TAPS A/G; BLOCKPOINT	BB?BW? CN;DS; GR;HW? KS;LS; NP?RW; SK?	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	1353037 1353602 1075+15 1069+68	F 25N 12W 06	A B E F
258.39 94	(Aba-Dabba CK) TAPS A/G; CMP	CN;GR		SSSSSSSSSSSSSSSSSSSSS	1364290 1364356 963+13	F 25N 13W 13	A B E F
259.91 94	(Elwood CK) TAPS A/G; LWC	GR?		jafemrSSSSSSSSSSSSSnode	1372304 1372364 884+80	F 25N 13W 23	B F
268.10 92	JIM RIVER #3 TAPS B/G; BLOCKPOINT	BB;CN;DS GR;HW; KS;LS;NP; RW	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	1415550 1415800 453+50	F 24N 14W 23&26	A B E F G
268.43 92	(Beaver Spring) TAPS A/G; CMP	CN?GR? KS?RW?		CCCCCCCCCCCCSSSSCCCCCCCC	1417312 1417426 435+84	F 24N 14W 26	B F
268.99 92	(Dee CK) TAPS A/G; CMP	CN;DV? GR;RW		SSSSSSSSSSSSSSSSSSSSS	1420293 1420353 406+86	F 24N 14W 26	A B E F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
270.41 92	DOUGLAS CREEK TAPS A/G; LWC	CN;GR; RW?		jafemrSSSSSSSSSSSSSnode	1427745 1428168 333+75	F 24N 14W 34	A B E F
271.31 92	(Gas Bubble Slough) TAPS A/G; Parallel Only TAPS DOES NOT CROSS	GR			 289+00	F 23N 14W 03	A B E I
271,62 92	Side Channel JIM RIVER #2 TAPS B/G; BLOCKPOINT	BB;CN;DS GR;HW; KS:LS;NP; RW	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	1434078 1434178 272+51	F 23N 14W 03	A B E F
271.92 92	Side Channel JIM RIVER #1 TAPS B/G; BLOCKPOINT	BB;CN;DS; GR;HW; KS;LS;NP; RW	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	1435700 1435800 257+00	F 24N 14W 09	A B E F
272.21 91	(Little Piddler) TAPS A/G; CMP	GR		jafemrSSSSSSSSSSSSSnode	1437254 1437307 240+85	F 23N 14W 09	A B E F
277.16 91	PROSPECT CREEK TAPS A/G; BLOCKPOINT	CN;GR; KS;LS; NP;RW	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	1463150 1463408 1590+00	F 23N 14W 31	A B E F G
281.90 90	(Little Nasty CK) TAPS A/G; BLOCKPOINT	CN;GR; RW		jafemrSSSSSSSSSSSSSnode	1488219 1488452 1339+00	F 22N 15W 19	A B E F
282.14 90	(South Fork, Little Nasty CK) TAPS A/G; CMP	CD?GR		jafemrSSSSSSSSSSSSSnode	1489653 1489705 1327+40	F 22N 15W 19	A B E F
284.40 89	North Fork BONANZA CREEK TAPS B/G; BLOCKPOINT	BB;CN; GR;HW? LS;;LW; NP;RW		jafemrCCCCCCSSSSCCCCnode	1501503 1501783 1208+32	F 22N 14W 32	A B E F G
285.47 89	(Oxbow Lake System) TAPS B/G; CMP	GR?		jafemrCCCCCCSSauseocnode	1507600 1148+00	F 21N 14W 07	A B F
286.02 89	South Fork BONANZA CREEK TAPS B/G; BLOCKPOINT	BB;CN; GR;HW? LS;NP;RW		SSSSSSCCCCCCSSSCCCCCCSS	1510050 1510200 1123+60	F 21N 14W 07	A B E F G
289.63 88	(Pung's Crossing CK) TAPS A/G; BRIDGE	CD?GR; RW?		jafemrCCCCCCSSSSCCCCnode	1529195 1529325 932+60 932+10	F 21N 14W 31	A B E F
293.25 88	(Alder Mountain CK) TAPS B/G; LWC	CN;GR? RW?		jafemrSSSSSSSSSSSSSnode	1548200 742+50	F 20N 15W 10	A B E F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
294.90 88	FISH CREEK TAPS A/G;BRIDGE	BW?CN; DS?GR; LS;NP? RW;SK		jafemrCCCCCCSSSSCCCCnode	1557094 1557163 653+50	F 20N 15W 22	A B E F
296.34 87	Middle Fork, FISH CREEK TAPS A/G; CMP	CN;GR; RW		jafemrSSSSSSSSSSSSSnode	1564650 578+00	F 20N 15W 26	A B E F
297.42 87	South Fork FISH CREEK TAPS A/G; BRIDGE	CN;GR; RW?		SSSSSSCCCCCCSSSSCCCCCCSS	1570361 1570423 520+60	F 20N 15W 35	A B E F
302.92 86	KANUTI RIVER TAPS B/G; BLOCKPOINT	BB;BC? BW?CN; CS?DS? GR;HW? IN?LS? NP;RW		jafemrCCCCCCSSSSCCCCnode	1599300 1599500 231+00	F 19N 14W 30	A B E F
306.22 86	(Caribou Mountain CK) TAPS B.G; BLOCKPOINT	GR		jafemrSSSSSSSSSSSSSnode	1616819 1616887 56+03	F 18N 14W 09	A B E F
308.56 85	(Olson's Lake CK) TAPS A/G; BLOCKPOINT	GR		jafemrSSSSSSSSSSSSSnode	1629150 1629200 1149+39	F 18N 14W 14	A B E F
312.13 85	(Finger Mountain CK) TAPS A.G; LWC	GR		jafemrSSSSSSSSSSSSSnode	1648020 1648050 961+80	F 18N 14W 36	AB E F
312.99 85	[Eight-Five CK] TAPS A/G; LWC	CD?GR?			1652564 1652634 915+75	F 17N 13W 06	B F
314.81 84	(Smokey CK) TAPS A/G; LWC	CD?GR			1662173 1662242 818+75	F 17N 13W 17	B F
315.24 DALL RIVER 84	Middle Branch, West Fork TAPS A/G; LWC	CD?GR; IN?WF?		jajafemrSSSSSSSSSSSSSnode	1664436 1664496 798+00	F 17N 13W 17	A B E F
317.60 DALL RIVER 84	South Branch, West Fork TAPS A/G; BLOCKPOINT	CD?GR; IN?WF?		jafemrSSSSSSSSSSSSSnode	1676845 1676914 673+00	F 17N 13W 28	A B E F
325.26 82	(Fed CK) TAPS A/G; LWC	CD?GR		jafemrSSSSSSSSSSSSSnode	1717311 1717379 270+10	F 16N 13W 25	A B E F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
329.29 82	North Fork, RAY RIVER (No Name CK) TAPS A/G; BLOCKPOINT	BB;CN; GR;IN?LC? LS;NP;RW		jafemrCCCCCCSSSSCCCCCCde	1738635 1738705 58+00	F 15N 12W 17	A B E F J
336.18 81	(Fort Hamlin Hills CK) TAPS A/G; BLOCKPOINT	CD?GR; RW?		jafemrSSSSSSSSSSSSSnode	1775006 1775045 971+30	F 14N 12W 17	A B E F
337.55 80	[Eight-0 CK] TAPS A/G; LWC	CD?GR?		jafemrCCCCCCSSauseocnode	1782233 1782302 899+00	F 14N 12W 21	B F
344.96 79	(Phelps CK) TAPS A/G; LWC	GR		jafemrSSSSSSSSSSSSSnode	1821536 1821595 508+38	F 13N 11W 17	A B E F
350.49 78	(Wood Chopper CK) TAPS A/G; BLOCKPOINT	CD?GR; NP?WF?		jafemrSSSSSSSSSSSSSnode	1850595 1850656 215+81	F 13N 11W 36	A B E F
351.58 78	(Burbot CK) TAPS A/G; CMP	BB		jafemrapSSSSSSSSSSSSSnode	1856332 1856396 158+21	F 12N 11W 01	A B E F
353.07 353.50 78	YUKON RIVER TAPS A/G; BRIDGE	AL;BB; BC;BL? BW;CA; CN;CS; DS;GR; HO?HW; IN;KS; LC;LS; NP;OM; PS;RS; RW;SS	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	1864200 1866500 78+97 60+00	F12N 10W 07	AB E F
362.14 76	(Tributary ISOM CREEK) TAPS A/G; CMP	GR?			1912052 1912106 1682+08	F 11N 10W 12	B F
362.72 76	ISOM CREEK TAPS A/G; SUMMER BLOCKPOINT	GR		jafemrapSSSSSSSSSSSnode	1915150 1651+65	F 11N 09W 07	A B E F
362.76 76	ISOM CREEK TAPS A/G; SUMMER BLOCKPOINT	GR		jafemrapSSSSSSSSSSSnode	1915400 1642+39	F 11N 09W 07	A B E F
370.53 75	(Hot Cat CK) TAPS A/G; CMP	GR		jafemrapSSSSSSSSSSSnode	1956346 1956416 1242+46	F 11N 08W 31	A B E F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	A D A D	Ja Fe Mr Ap Ma Ju Jl Au Se Oc No De Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
378.38 73	FISH CREEK TAPS A/G; BRIDGE	CN?GR; NP;WF		jafemrapSSSSSSSSSSSnode	1997824 1997932 829+56	F 10N 07W 20	A B E F
378.54 73	HESS CREEK TAPS A/G; BLOCKPOINT	AL?BC; BW;CN; CS;DS? GR;HW; IN;LS; NP;RW		jafemrCCCCCCCCCCCCCCnode	1998734 1998928 820+49 819+31	F 10N 07W 20	A B E F
382.51 73	ERICKSON CREEK # 2 TAPS A/G; BRIDGE	CN?GR; LS		jafemrapSSSSSSSSSSSnode	2019562 2019642 611+95	F 09N 07W 03	A B E F
384.36 72	ERICKSON CREEK # 1 TAPS A/G; BRIDGE	CN?GR; LS		jafemrapSSSSSSSSSSSnode	2029448 2029517 513+62	F 09N 07W 14	A B E F
387.70 72	(Tributary ERICKSON CREEK) TAPS A/G; LWC	?			2047097 2047158 336+15	F 09N 06W 30	A B E F
392.05 71	LOST CREEK TAPS A/G; BRIDGE	CN;GR; WF		jafemrapSSSSSSSSSSSnode	2069975 2070055 104+33	F 08N 06W 16	A B E F
398.55 70	TOLOVANA RIVER TAPS A/G; BRIDGE	AB?BB; CI?CN? CS?DS; GR;HW; IN;KS; LW?NP; SS?		jafemrapSSSSSSSSSSSSSS	2104372 2104470 2958+13 2957+13	F 07N 05W 05	A B E F
400.50 69	SHORTY CREEK TAPS A/G; CMP	GR?			2114631 2114699 2855+73	F 07N 05W 09	B F
405.41 68	WILBER CREEK TAPS B/G; CMP	GR		jafemrapSSSSSSSSSSSnode	2141100 2609+50	F 07N 04W 30	A B E F
408.35 68	SLATE CREEK TAPS A/G; CMP	GR		jafemrapSSSSSSSSSSSnode	2156110 2156181 2459+42	F 06N 04W 05	A B E F
412.47 67	TATALINA RIVER TAPS A/G; BLOCKPOINT	BB?CI; CN?GR; IN?NP; SK?WF		jafemrapCCCCCCCCSSSSSSde	2177950 2178000 2242+57 2241+22	F 06N 04W 26	A B E F

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
413.60 67	(Tributary TATALINA RIVER) TAPS A/G; LWC	GR?		jafemrapSSSSSSauseocnode	2183830 2183890 2166+87	F 06N 04W 21	A B E F
417.00 67	(Tributary GLOBE CREEK) TAPS A/G; LWC	GR?			2201751 2201811 1988+88	F 05N 03W 05	B F
417.40 66	GLOBE CREEK TAPS A/G; BRIDGE	GR		jafemrapSSSSSSSSSSSnode	2203865 2203934 1966+77	F 05N 03W 08	A B E F
420.63 66	(Little Globe CK) TAPS A/G; LWC	?			2220895 2220953 1759+94	F 05N 03W 22	A B E F
423.70 65	North Fork AGGIE CREEK TAPS A/G; LWC	GR?		jafemrapSSSSSSauseocnode	2236946 2237126 1635+99	F 04N 03W 03	A B E F
424.43 65	South Fork AGGIE CREEK TAPS A/G; LWC	GR?		jafemrapSSSSSSauseocnode	2241016 2241077 1595+22	F 04N 03W 10	A B E F
64 APL-2	SNOWSHOE CREEK				:	B	
431.75 64	WASHINGTON CREEK TAPS A/G; BRIDGE	BB? CN? GR;IN? NP?RW?		CCCCCCCCSSSSSSSSSCCCCCC	2279644 2279714 1209+62	F 03N 02W 04	A B E F
437.36 63	(Shocker CK) TAPS A/G; CMP	CN;GR; RW		jafemrapCCCCCCSSCCCCnode	2309199 2309269 914+00	F 03N 01W 19	A B E F
438.12 63	CHATANIKA RIVER TAPS B/G; BLOCKPOINT	AB;AL; BB;BW; CA?CN CS?DS;GR; HW;IN;KS; LS;NP; RW;SS	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	2313200 2313300 874+80 873+63	F 03N 01W 29	A B E F
62 APL-1	VAULT CREEK				:	B	
62 APL-1	DOME CREEK Bridge	KS;DS;CN LS	Yes			J	
442.19 62	TREASURE CREEK TAPS A/G; BRIDGE	CN;GR		jafemrapSSSSSSSSSSnode	2334693 2334762 659+43	F 02N 01W 10	A B E F
448.29 61	GOLDSTREAM CREEK TAPS A/G; LWC	AB;BB? CN?CS? GR:HW? IN?NP?		jafemrapSSSSSSSSSSnode	2366927 2366966 336+01	F 01N 01W 01	A B E F

Section MP A/S	Stream Name(s) Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
449.83 61	ENGINEER CREEK TAPS B/G; CMP	AB?			2374850 210+00	F 01N 01E 07	B F
459.68 59	CHENA RIVER TAPS B/G; BLOCKPOINT	AL;BB; BL?BW; CN;CS? DS;GR; HW;IN; KS;LS;NP; RW;SS	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	2427150 2427300 1853+06 1849+50	F 01S 02E 07	A B E F
462.04 59	(Seventeen Thirty Slough) TAPS B/G; CMP & PARALLEL	GR; LS; NP		jafemrapSSSSSSauseocnode	2439221 2439510 1732+89 1730+50	F 01S 02E 16	A B E F
462.23 59	(Seventeen Thirty Slough) TAPS B/G; CMP	GR; LS; NP		jafemrapSSSSSSauseocnode	2440550 1720+18	F 01S 02E 16	AB E F
471.01 57	MOOSE CREEK # 3 TAPS B/G; BLOCKPOINT	BB;CN?GR; HW;LS;NP; RW;DS	Y E S	CCCCCCCCSSSSSSSSSSCCCCCC	2487100 2487175 1321+62 1320+26	F 02S 03E 19	AB E F
471.68 57	(Pike Run) TAPS B/G; CMP	LS? NP		jafemrapSSSSSSSSSocnode	2490400 1307+20	F 02S 03E 20	AB E F
472.37 57	MOOSE CREEK # 2 TAPS B/G; BRIDGE	BB;CN?GR; HW;LS;NP; RW;DS	Y E S	CCCCCCCCSSSSSSSSSSCCCCC	2494050 2494100 1250+46	F 02S 03E 20	AB E F
473.57 57	MOOSE CREEK # 1 TAPS B/G; BRIDGE	BB;CN?GR; HW;LS;NP; RW;DS	Y E S	CCCCCCCCSSSSSSSSSSCCCCC	2500300 2500370 1188+02	F 02S 03E 28	AB E F
57 APL-2	GARRISON SLOUGH					: B	
474.56 57	(Bear Lake Outlet) TAPS B/G; CMP BLOCKED	CN;CS;GR; HW;LC;LS; NP;RW		jafemrapCCCCSSSSSCCCCCnode Blockage authorized Aug 5, 1992 by ADF&G (Ott to Col. Murray)	2505729 1133+80	F 02S 03E 27	AB E F
474.74 57	FRENCH CREEK TAPS A/G; BRIDGE	BB?CN?CS? GR;HW;LC? LS?NP;RW; SK?DS	Y E S	jafemrSSSSSSSSSSSSSSSsnode	2506609 2506679 1125+18	F 02S 03E 27	AB E F
476.48 56	FRENCH CREEK TAPS B/G; BRIDGE	BB?CN?CS? GR;HW;LC? LS?NP;RW; SK?DS	Y E S	jafemrSSSSSSSSSSSSSSde	2515700 2515740 1035+43	F 02S 03E 36	AB E F
476.79 56	FRENCH CREEK TAPS B/G; BRIDGE	BB?CN?CS? GR;HW;LC? LS?NP;RW; SK?DS	Y E S	JafemrSSSSSSSSSSSSSSde	2517260 2517300 1018+95	F 03S 03E 01	AB E F

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477.25 56	FRENCH CREEK TAPS B/G; BRIDGE	BB?CN?CS? GR;HW;LC? LS?NP;RW; SK?DS	Y E S	jafemrSSSSSSSSSSSSSSSSde	2519900 2519950 993+69	F 035 03E 01	AB E F
478.20 56	FRENCH CREEK TAPS A/; BRIDGE	BB?CN?CS? GR;HW;LC? LS?NP;RW; SK?DS	Y E S	jafemrSSSSSSSSSSSSSSSSde	2524868 2524962 942+85	F 03S 04E 07	AB E F
56 APL-3	FRENCH CREEK				:	B	
480.74 55	(Knokanpeover CK) TAPS A/G; CMP	GR		jafemrapCCCCCCSSCCocnode	2538317 2538377 809+56	F 03S 04E 20	AB E F
483.92 55	FRENCH CREEK TAPS A/G; BRIDGE	BB?CN? CS?GR; HW;LC? LS?NP; RW;SK?		jafemrSSSSSSSSSSSSSSSSde	2555084 2555154 643+55	F 03S 04E 34	AB E F
484.93 55	(Million Dollar CK) TAPS A/G; CMP	CN;GR: NP;WF		jafemrapCCCCCCSSCCocnode	2560376 2560435 591+55	F 04S 04E 02	ABC E F
485.34 55	(Million Dollar CK) TAPS A/G; CMP	CN;GR; NP;WF		jafemrapCCCCCCSSCCocnode	2562587 2562658 568+75	F 04S 04E 11	ABC E F
485.51 55	(Million Dollar CK) TAPS A/G; CMP	CN;GR; NP;WF		jafemrapCCCCCCSSCCocnode	2563517 2563587 558+65	F 04S 04E 11	ABC E F
485.78 55	(Million Dollar CK) TAPS A/G; CMP	CN;GR; NP;WF		jafemrapCCCCCCSSCCocnode	2564873 2564942 545+10	F 04S 04E 11	ABC E F
488.23 54	(Million Dollar CK) TAPS A/G; LWC	CN?GR? NP;WF		jafemrapCCCCCCSSCCocnode	2577851 2577911 417+00	F 04S 04E 24	BC F
489.69 TAPS A/G; CMP 54	(Tributary LITTLE SALCHA RIVER)	GR?		jafemrSSCCCCSSSSSSocnode	2585488 2585548 345+50	F 04S 05E 30	B F
490.84 54	LITTLE SALCHA RIVER TAPS A/G; BRIDGE	BB?CN; DS;GR; KS;LS? NP?WF	Y E S	CCCCCCCCSSSSSSCCCCCCCCCC	2591589 2591659 281+71	F 04S 05E 32	AB E F
491.94 (Kanpeover or Two-Nineteen CK) 53A	TAPS A/G; CMP	GR		jafemrapCCCCSSauseocnode	2597387 2597452 219+00	F 05S 05E 04	AB E

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
495.77 53A	SALCHA RIVER TAPS B/G; BLOCKPOINT	AL;BB; CN;DS; GR;KS; LS;NP; RW;SB? SS	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	2617900 2618100 20+65 19+00	F 05S 05E 13	AB E F
496.06 53A	(Fifty-Three-A CK) TAPS B/G; LWC HAS BEEN FILLED	CN;DS		CCCCCCCCSSSSSSCCCCCCCCC	2619200 7+50	F 05S 05E 13	B F
496.16 53A	(Taps Slough) TAPS B/G; CMP	BB?CD? DS?WF? KS	Y E S	jafemrapSSSSSSSSSSnode	2619700 2+00	F 05S 05E 13	AB E F J
500.02 53	REDMOND CREEK TAPS A/G; BRIDGE	BB;CN; CS?DS? GR;KS; RW;SK?	Y E S	jafemrapCCCCSSSSCCCCnode	2640084 2640154 1085533	F 05S 06E 22	AB E F
507.03 51	GOLD RUN TAPS A/G; CMP	GR		jafemrapSSSSSSSSSScnode	2677082 2677148 1048725	F 06S 07E 03	AB E F
508.79 51	North Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSnode	2686406 2686466 1039588	F 06S 07E 14	B F
508.84 51	North Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSnode	2686700 2686760 1039301	F 06S 07E 14	B
509.19 51	North Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSnode	2688540 2688608 1037413	F 06S 07E 14	B F
509.72 51	North Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSnode	2691314 2691372 1034600	F 06S 07E 13	AB E F
509.84 51	South Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSnode	2691903 2691956 1034300	F 06S 07E 13	AB E F
*509.8 51	South Fork MINTON CREEK TAPS A/G; DOES NOT CROSS	GR		jafemrapSSSSSSSSSSnode	NO TAPS XING 1034012	F 06S 07E 13	F
510.32 51	South Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSnode	2694468 2694527 1031800	F 06S 07E 13	AB E F

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510.54 51	South Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSSnode	2695613 2695673 1030560	F 06S 07E 24	AB F
511.45 51	South Fork MINTON CREEK TAPS A/G; LWC	GR		jsfemrapSSSSSSSSSSSnode	2700423 2700483 1025812	F 06S 08E 19	B F
511.68 51	South Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSSnode	2701624 2701684 1024406	F 06S 08E 19	B F
512.31 51	South Fork MINTON CREEK TAPS A/G; LWC	GR		jafemrapSSSSSSSSSSSnode	2704924 2704981 1021480	F 06S 08E 29	B F
518.89 49	West Branch KEYSTONE CREEK TAPS A/G; CMP	GR;BB		jafemrapSSSSSSSSSSSnode	2739729 2739789 9867+50 9862+00	F 07S 08E 23	A E F J
520.08 49	ROSA CREEK TAPS A/G; CMP	GR		jafemrapSSSSSSSSSSSnode	2746040 2746100 9800+35	F 07S 08E 25	AB E F
520.29 49	SHAW CREEK TAPS A/G; BRIDGE	BB;CN; DS;GR; HW;LC; LS;NP; RW;SB? SS	Y E S	CCCCCCCCCCCCCCCCCCCCCCC	2747200 2747350 9788+89	F 07S 08E 36	AB E F
OMS 49-2N (Four-Nine CK)						: B	
531.14 531.32 47	TANANA RIVER TAPS A/G; BLOCKPOINT	BB;BW; CN;DS; DV?GR; HW;IN: KS;LC; LS;NP; RW;SS	Y ES	CCCCCCCCCCCCCCCCCCCCCCC	2804500 2805400 9218+72 9209+98	F 09S 10E 06& 07	AB E F
565.92 41	(Beaver CK) TAPS A/G; LWC	BB;WF			2988052 2988117 7387+50	F 14S 10E 20	B
566.73 41	(Donnelly CK) TAPS A/G; CMP	CD;GR; WF		 ADOT&PF culvert perched at Richardson Hwy crossing.	2992301 2992365 7346+00	F 14S 10E 29	B
569.39 40	ONE MILE CREEK TAPS A/G; LWC	GR			2988052 2988117 7387+50	F 15S 10E 06	J

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
570.18 40	RUBY CREEK TAPS A/G; LWC	GR;WF CN			3010523 3010582 7164+13	F 15S 10E 07	B
571.36 40	BEAR CREEK TAPS B/G; LWC	GR;WF			3016800 7092+55	F 15S 10E 18	B
572.33 40	(Catastrophe CK) TAPS B/G; LWC	GR? RW?			3021800 7061+16	F 15S 10E 19	B
573.63 40	DARLING CREEK TAPS B/G; LWC	GR;WF			3028800 6983+77	F 15S 10E 30	B
577.76 39	GUNNYSACK CREEK TAPS B/G; LWC	GR;WF			3050600 6761+08	F 16S 10E 17	B
578.17 39	CAMP TERRY CREEK TAPS B/G; LWC	GR;WF		 Waterfall (barrier?) downstream of TAPS crossing.	3052750 6741+50	F 16S 10E 20	B
578.37 39	FALLS CREEK TAPS B/G;	GR;WF			3053800 6729+58	F 16S 10E 20	B
578.61 39	RAPIDS LAKE TAPS B/G; PARALLEL	RB		SSSSSSSSSSSSSSSSSSSSS	3055100 6682+00	F 16S 10E 29	AB E
579.90 39	SUZY-Q CREEK TAPS B/G; LWC	GR;WF			3061900 6647+62	F 16S 10E 29	B
581.04 39	BOULDER CREEK TAPS B/G; LWC	GR;WF;			3067900 6589+08	F 16S 10E 32	B
581.81 38	WHISTLER CREEK TAPS B/G; LWC	GR;WF			3072000 6547+49	F 17S 10E 04	B
582.00 583.71 38	DELTA RIVER (includes Spur Dike Creek) TAPS B/G; DIKES	BB;DV; GR;LT;NP SK;RW	Y ES	jafemrapCCCCCCCCCCCCnode	3073000 3082000 6534+74 6485+00	F 17S 10E 04, 09, 10 & 15	AB E

Section MP / A/S	Stream Name(s) / Comments	Fish Species	ADAD	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
583.92	FLOOD (Floyd) CREEK	GR;WF			3083200	F	B
						17S	
38	TAPS B/G; LWC				6435+06	10E	
						15	
584.10	DELTA RIVER	BB;GR;	Y	jafemrapCCCCCCCCCCCCnode	3084100	F	B E
584.71		LT;NP;	ES		3087300	17S	J
38	TAPS B/G; DIKES	SK;CN			6429+25	10E	
	Fish downstream of ROW	RW			6393+92	14&15	
584.94	MICHAEL CREEK	GR;WF			3088500	F	B
						17S	
38	TAPS B/G; LWC				6379+85	10E	
						23	
585.07	DELTA RIVER	BB;GR;	Y	jafemrapCCCCCCCCCCCCnode	3089200	F	
585.41		LT;NP;	ES		3091000	17S	
38	TAPS B/G; DIKES	SK;RW			?	10E	
						23	
586.02	TRIMS CREEK	GR;WF			3094200	F	B
						17S	
38	TAPS B/G; BLOCKPOINT				6329+32	10E	
						23	
587.51	CASTNER CREEK	GR;WF			3101962	F	B
					3102146	17S	
37	TAPS A/G; BLOCKPOINT				6253+65	10E	
						36	
587.93	(Lower Miller CK)	GR;WF			3104244	F	B
					3104364	17S	
37	TAPS A/G; BLOCKPOINT				6231+42	10E	
						36	
589.57	MILLER CREEK	GR;WF			3112902	F	B
					3113021	18S	
37	TAPS A/G; BLOCKPOINT				6143+17	10E	
						12	
591.26	DELTA RIVER	BB;GR;LTN	Y	jafemrapCCCCCCCCCCCCnode	3121900	F	B E
591.81		P;SK;	ES		3124800	18S	
37	TAPS B/G; BLOCKPOINT	RW			6056+29	10E	
					6030+77	13&24	
592.00	DELTA RIVER	BB;GR;LT	Y	SSSSSSSSCCCCSSSSCCCCSSSS	3125800	F	AB E
592.76		NP;RW;	ES		3129800	18S	
37	TAPS B/G; BLOCKPOINT	SK;WF			6003+00	10E	
36A					5967+00	24&25	
36A APL-1 PHELAN CREEK							
36 APL-1A PHELAN CREEK					:	B	
598.95	PHELAN CREEK (Seeps)	BB;CD;		SSSSSSSSSSSSSCCCCCCCCSS	3162500	F	AB E
600.66		DV;GR;			3171500	19S	
36	TAPS B/G; BLOCKPOINT	RW			5651+00	11E	
35					5551+00	20&29	
OMS 35-2 PHELAN CREEK					:	B	
35 APL/AMS-6 PHELAN CREEK					:	B	

Section MP A/S	Stream Name(s) Comments	Fish Species	A D A D	JaFeMrApMaJuJlAuSeOcNoDe Period of Sensitivity	Field Station G-5	MER T R SEC	Refer-ence
601.51 35	McCALLUM CREEK TAPS B/G; BLOCKPOINT	GR;WF			3175500 3176500 5510+30	F 19S 11E 33	B
602.42 35	PHELAN CREEK TAPS B/G; BLOCKPOINT	BB;CD; DV;GR; RW		SSSSSSSSCCCCCSSCCCCCCCCSS	3180800 5576+00	F 20S 11E 04	AB