Final Environmental Impact Statement

Renewal of the Federal Grant for the Trans-Alaska Pipeline System Right-of-Way

November 2002

U.S. Department of the Interior
Bureau of Land Management

BLM/AK/PT-03/005+2880+990

Volume 7: FEIS Maps and the TAPS ROW Map Atlas

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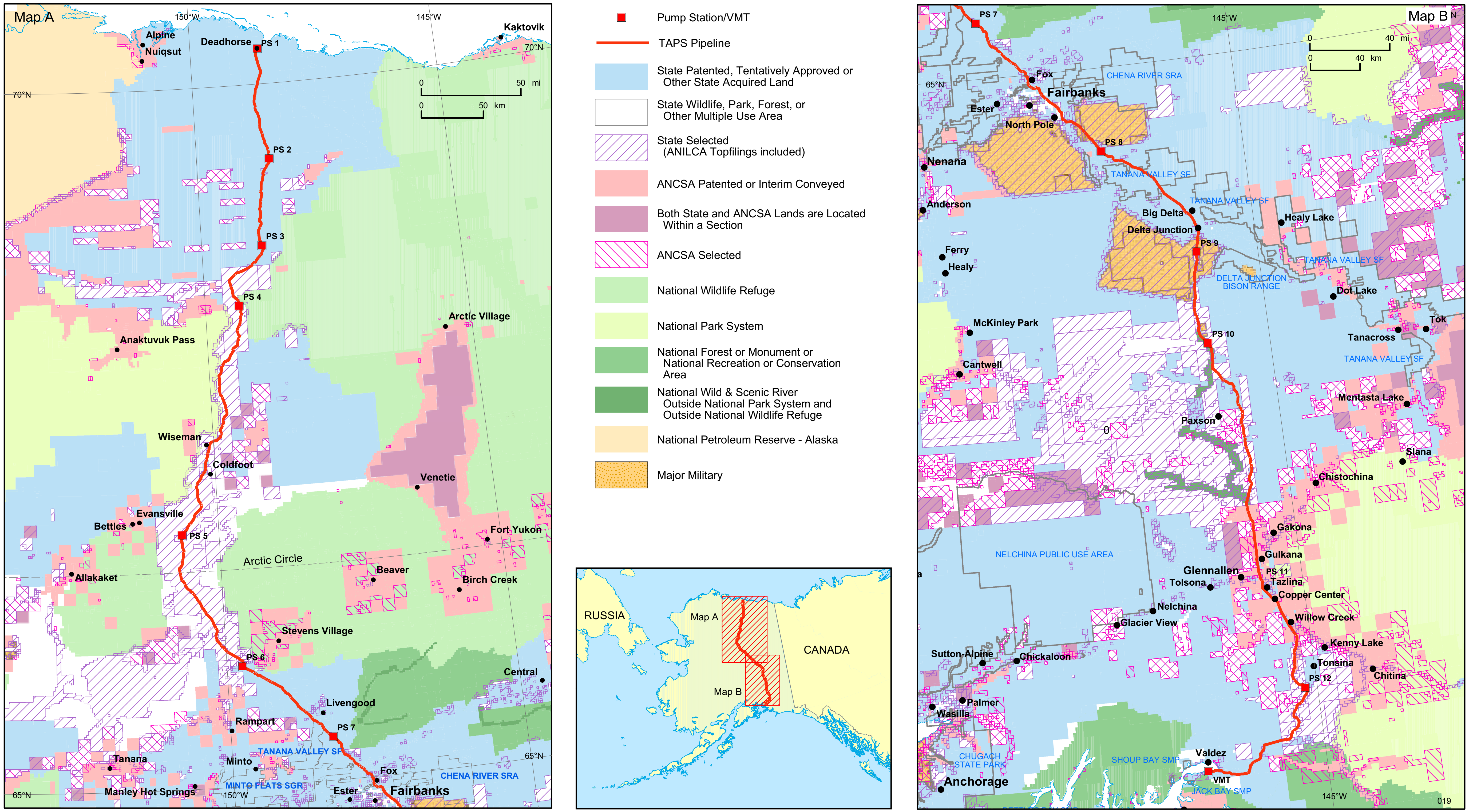
This volume of the FEIS contains oversized maps used to illustrate various aspects of the affected environment for the TAPS and the impact analysis conducted for the TAPS ROW renewal. The first part of the volume consists of the maps associated with specific sections and appendixes of the FEIS. Referred to as “FEIS Maps,” they are numbered by section or appendix designation. For examples, Map 1-1 is associated with and referred to in Section 1 of the FEIS; likewise, Map D-1 is associated with and referred to in Appendix D of the FEIS.

The second part of the volume contains the TAPS ROW Map Atlas. It consists of a base index map and 26 location maps (numbered 1 through 26) that cover the entire length of the TAPS.

Part 1: FEIS Maps

MAP 1-1 General Location of the TAPS

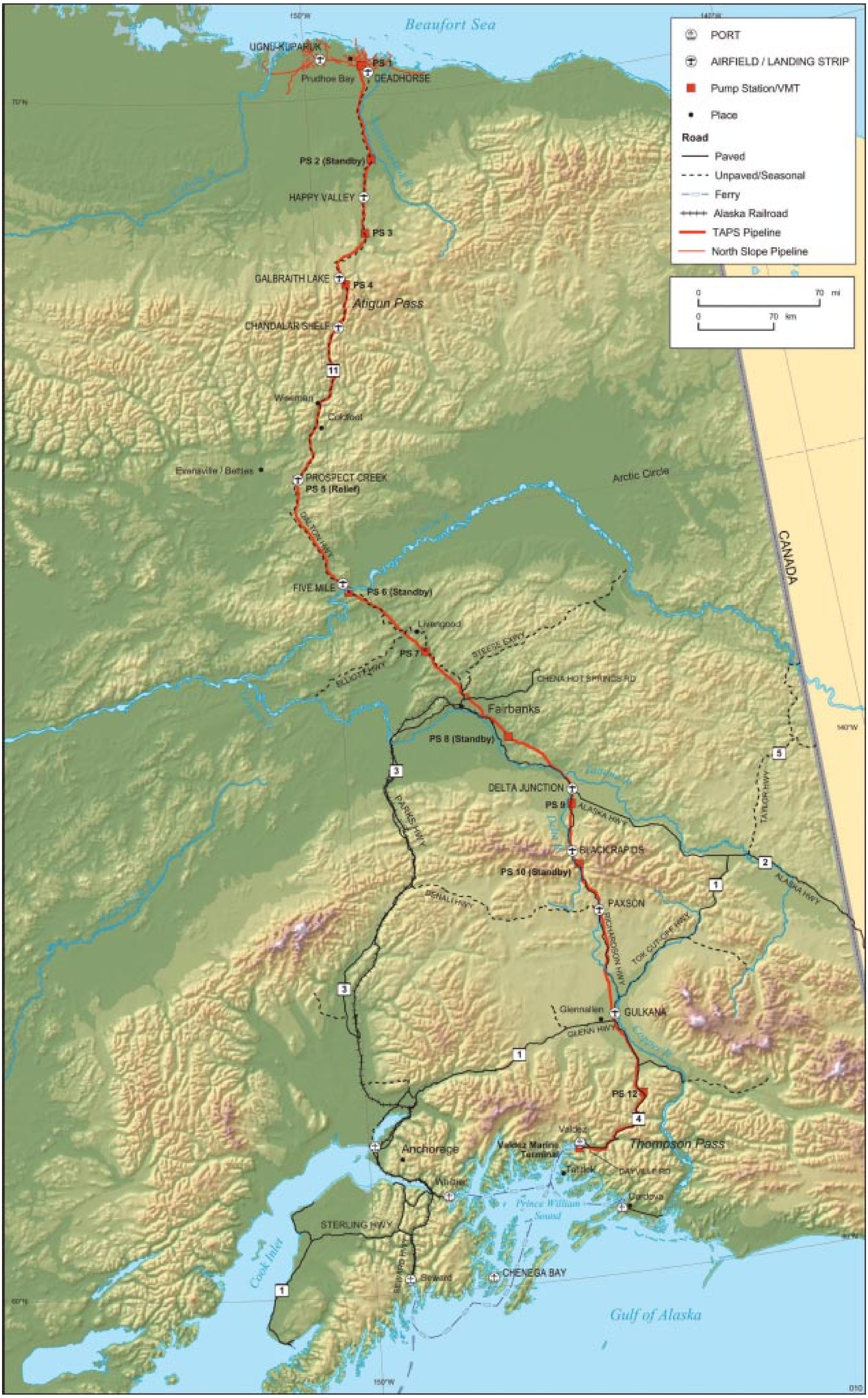


MAP 1-2 Land Ownership along the TAPS ROW

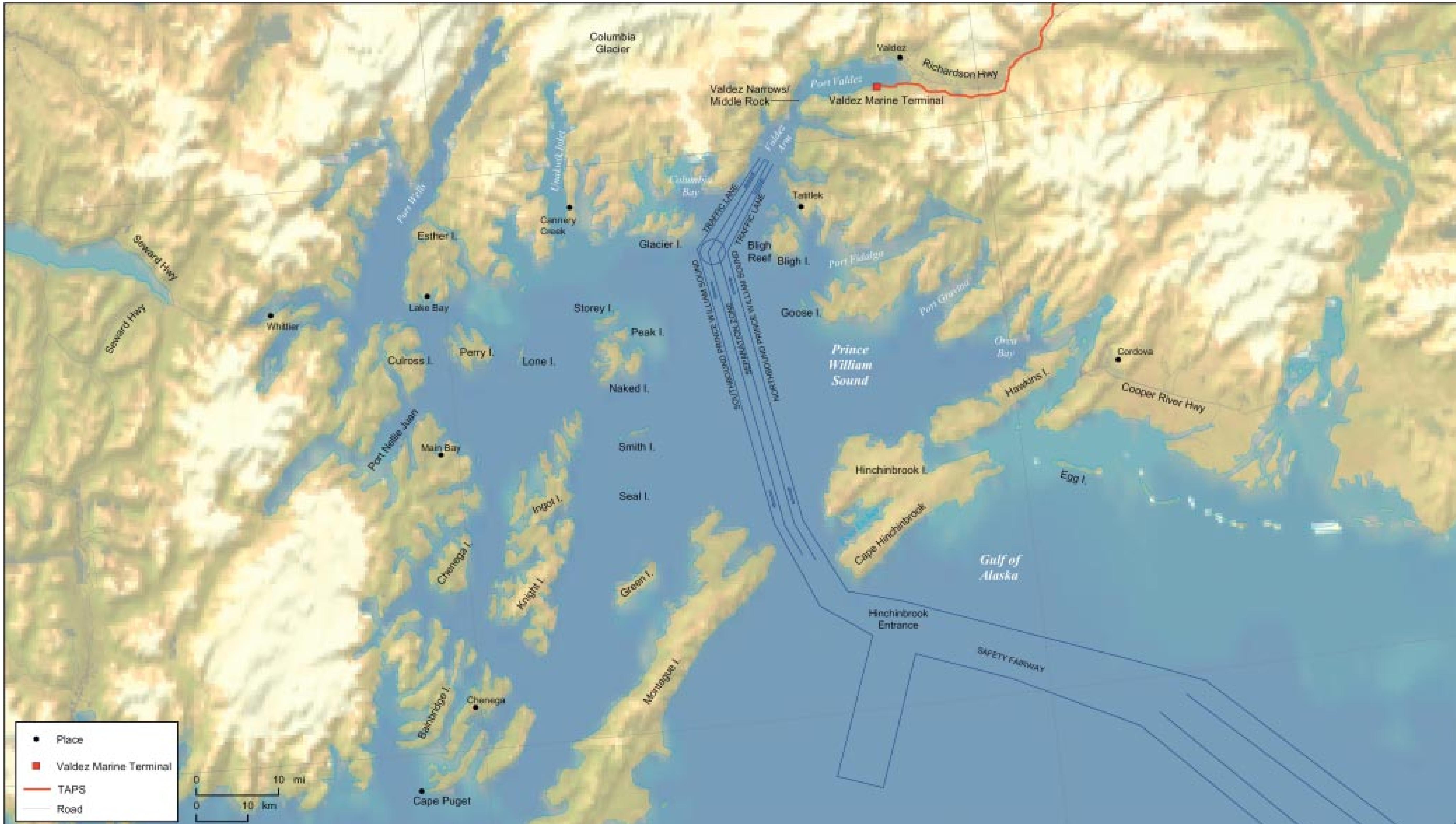
MAP 1-3 Topography and Major Physiographic Regions Associated with the TAPS

MAP 1-4 Example of a TAPS Pump Station

MAP 1-5 Valdez Marine Terminal



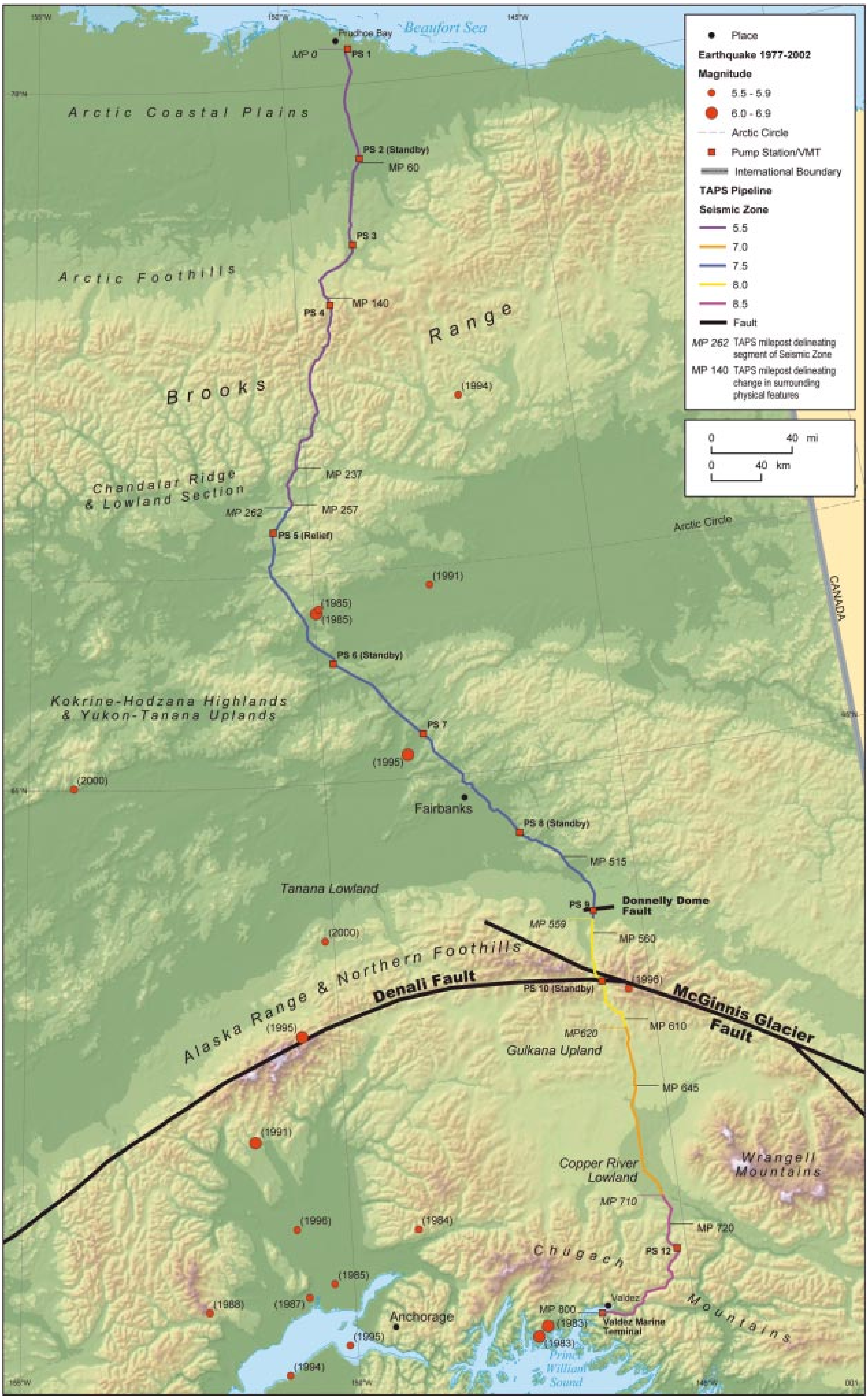
MAP 3.1-1 Alaska Transportation Network (Source: Modified from TAPS Owners 2001a, Figures 3.3-38 and D-8)



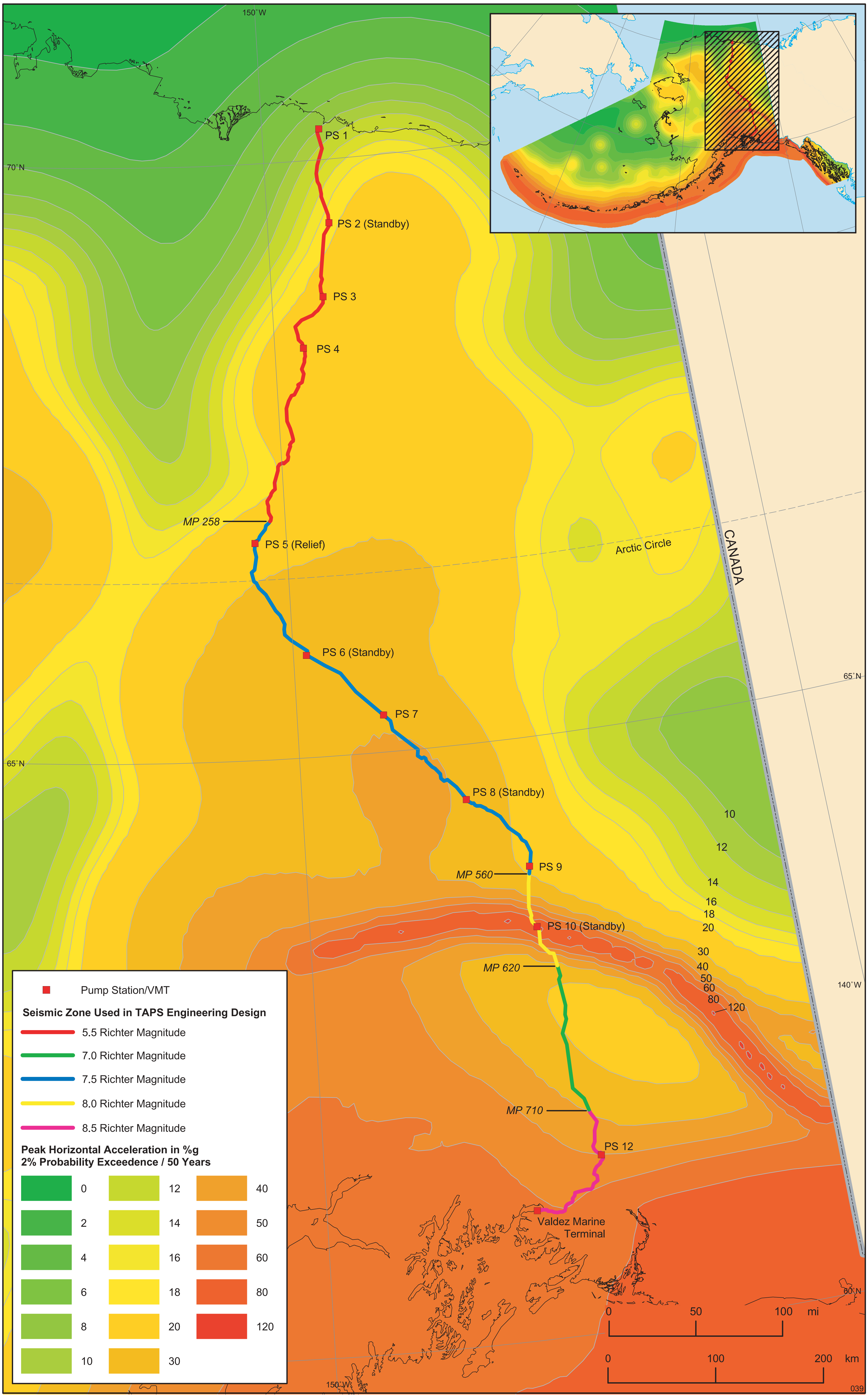
MAP 3.1-2 Port Valdez, the Town of Valdez, Valdez Narrows, the Hinchinbrook Entrance, and Tanker Routes

MAP 3.1-3 North Slope Producing Oil Fields

MAP 3.2-1 Terrain Map



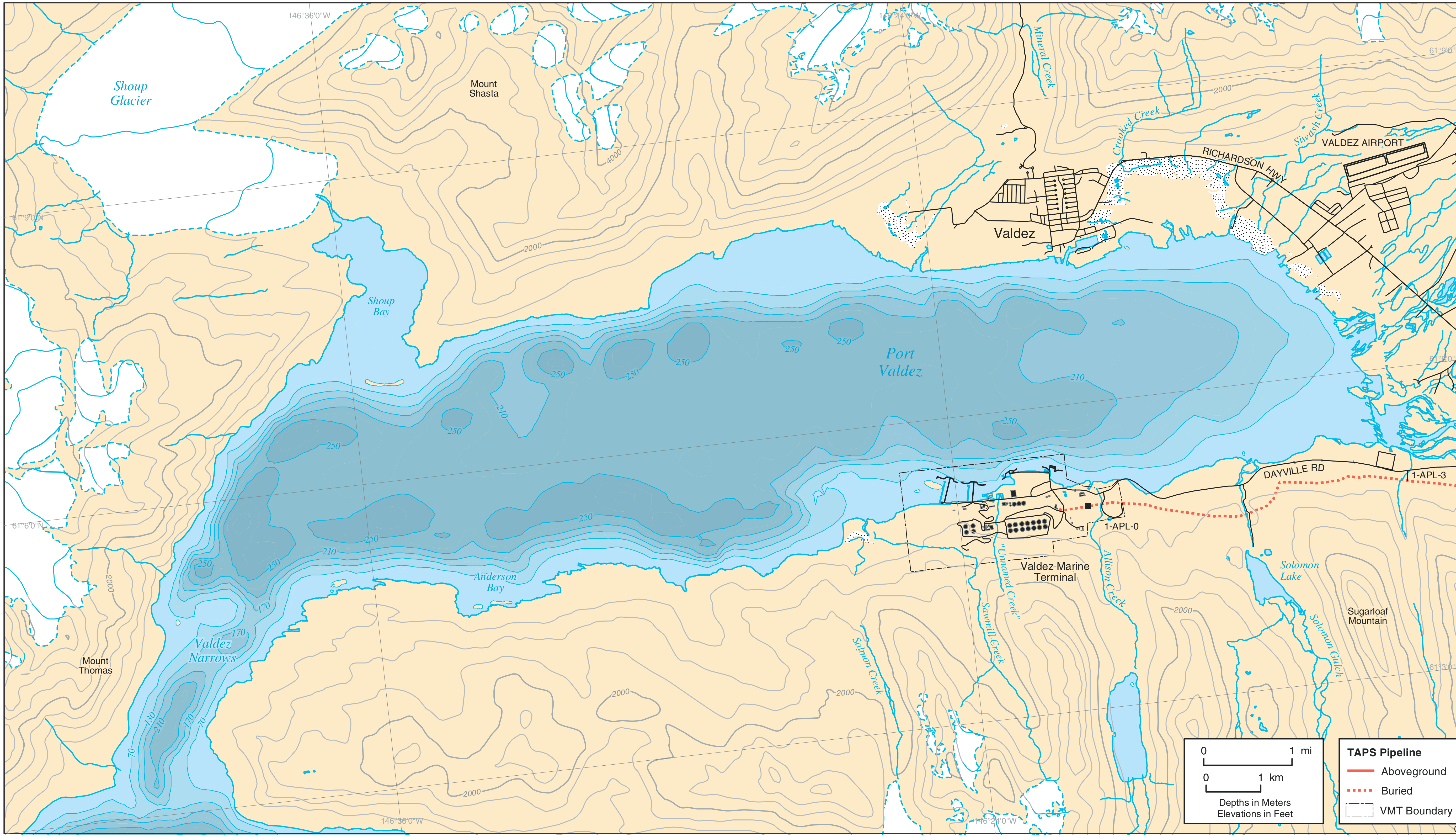
MAP 3.4-1 Seismic Zones and Fault Crossings along the TAPS and Locations of Earthquakes Greater than 5.5 in Magnitude That Have Occurred near the TAPS since Start-Up (Source: TAPS Owners 2001a, Figure 3.1-10)



MAP 3.4-2 Estimated Peak Ground Acceleration and Design Ground Acceleration for the Design Contingency Earthquake Used in TAPS Design (Modified from Wesson et al. 1999; APSC 2001e)

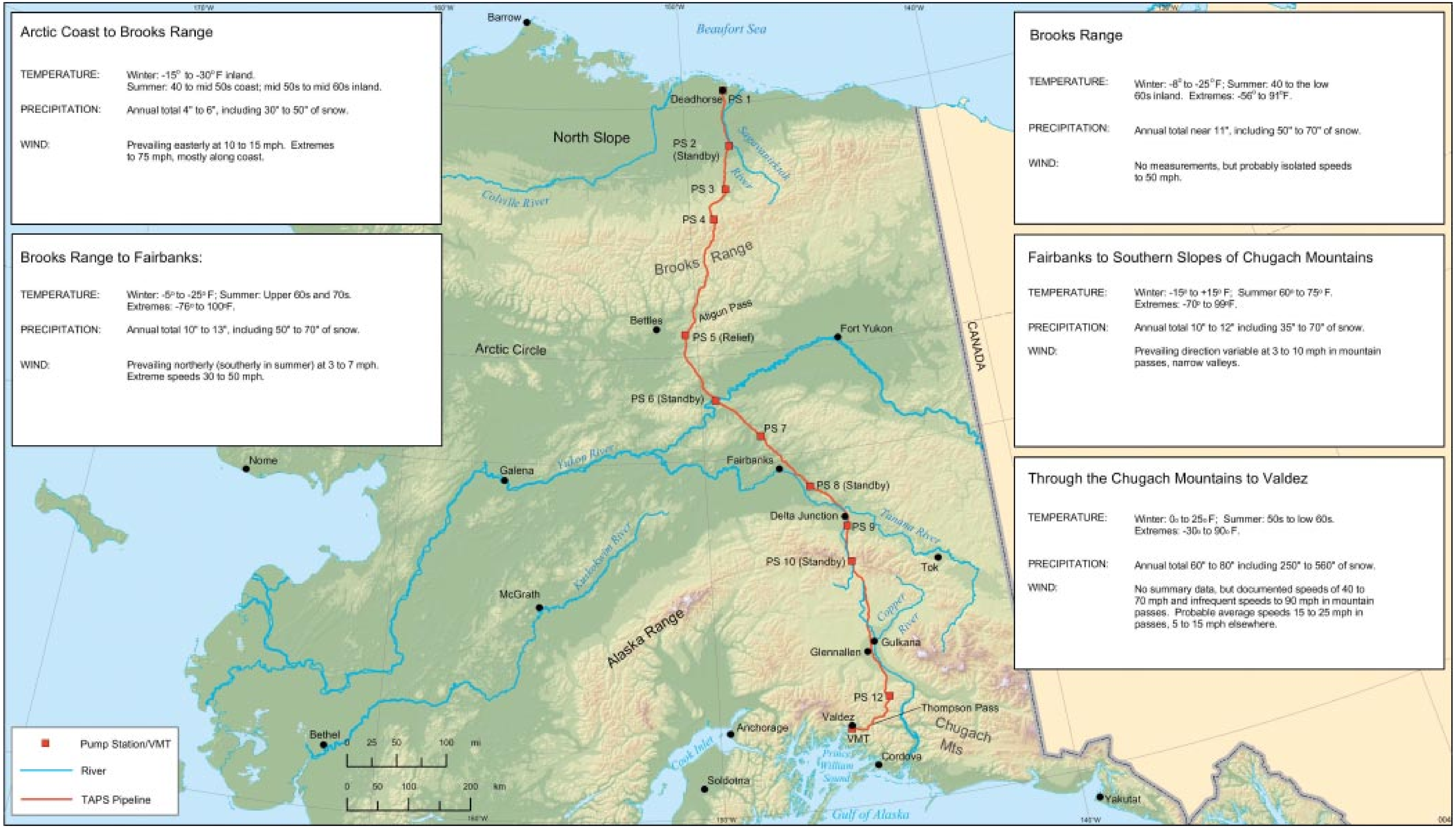
MAP 3.6-1 Alaska Chronology by Area

MAP 3.7-1 Hydrological Regions and Streams Crossing the TAPS ROW

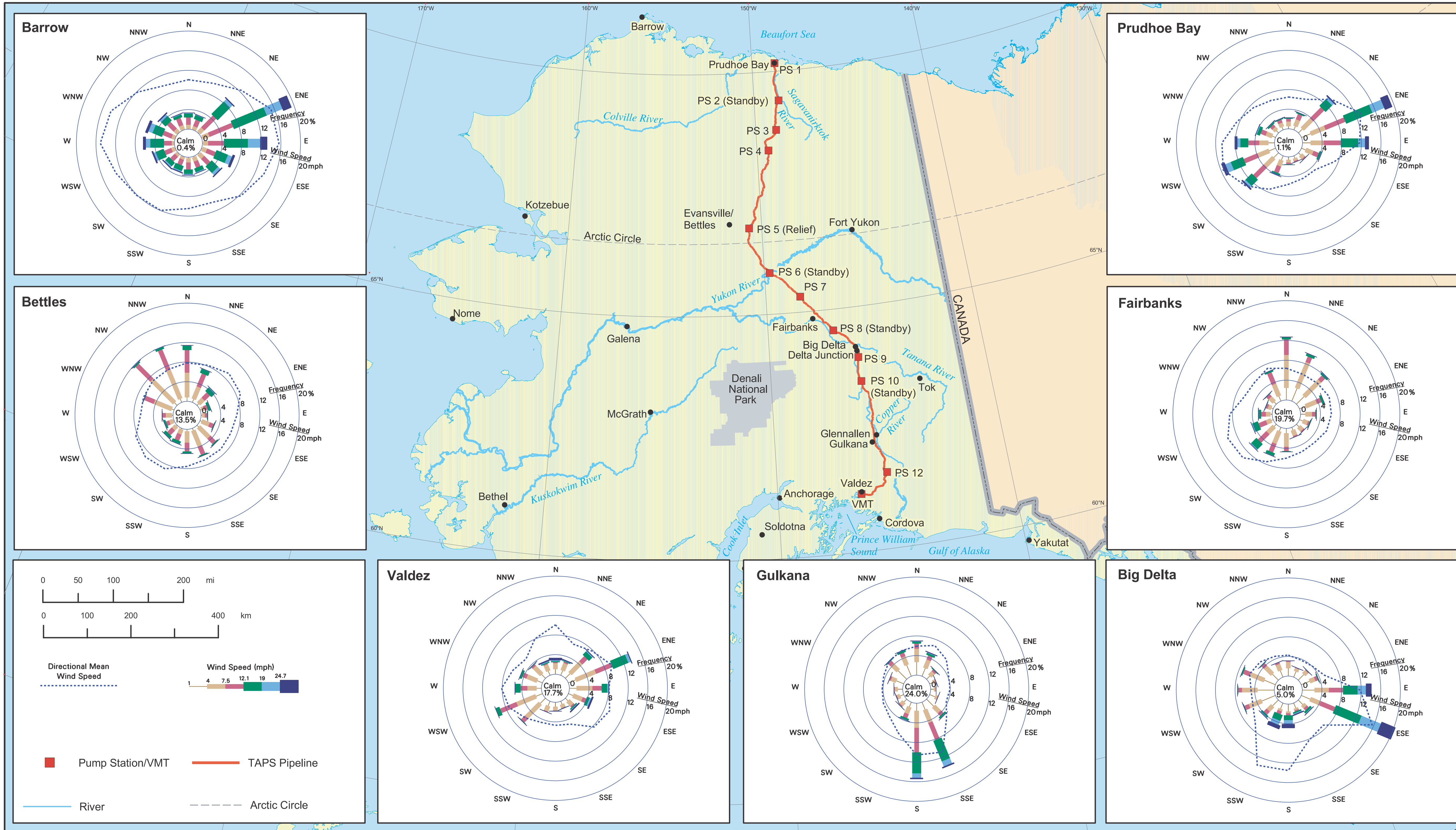


MAP 3.9-1 Bathymetric Chart of Port Valdez Showing the Two Shallow Sills in the Valdez Narrows, the Steep North and South Slopes, the Flat Bottom, and the More Gently Rising Eastern End

MAP 3.12-1 Climatic Divisions of Alaska and Locations of Selected National Weather Service Stations along the TAPS ROW (Source: Modified from Ruffner 1985)

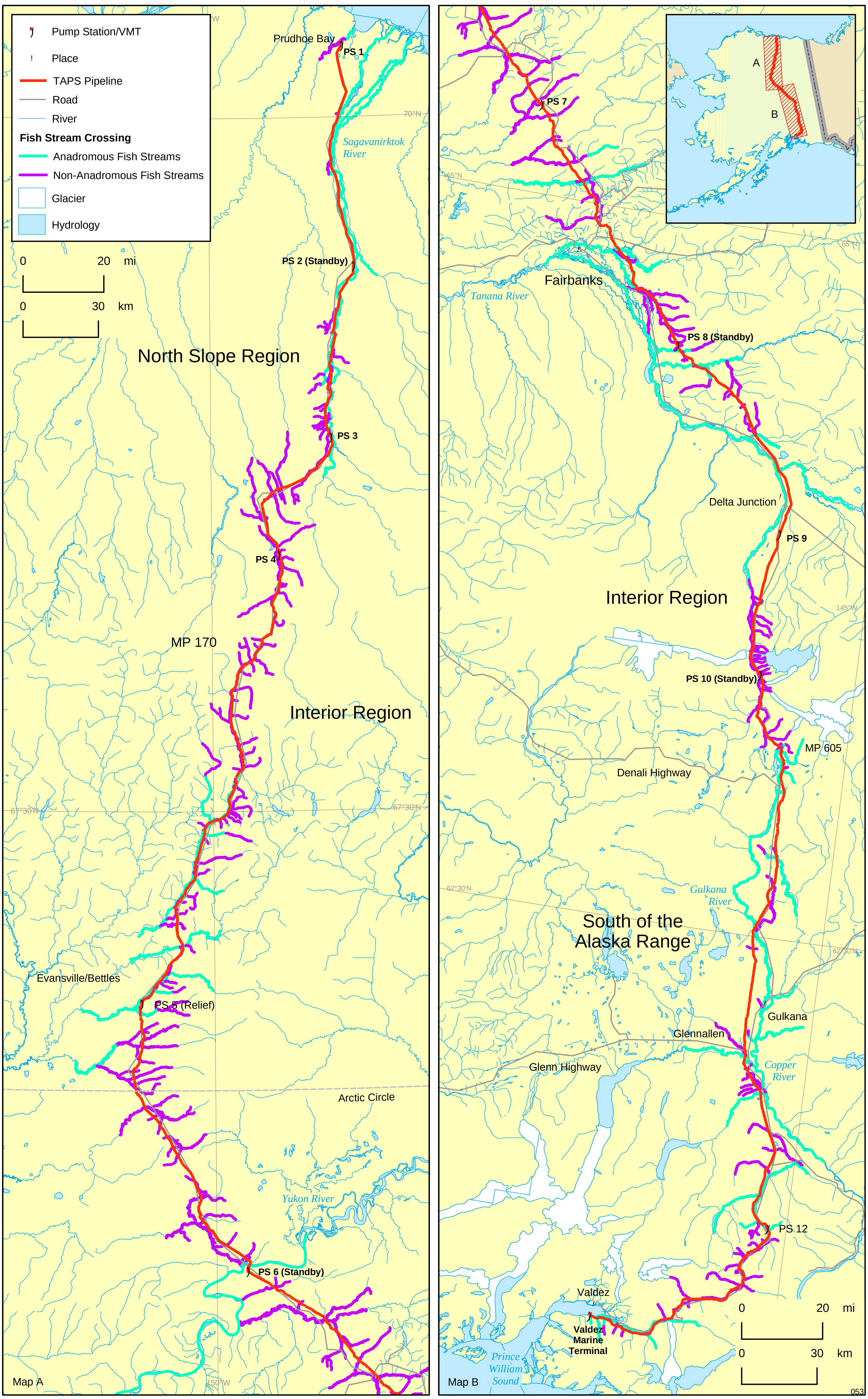


MAP 3.12-2 Summary of Climate along the TAPS ROW (Source: Modified from Searby 1968)



MAP 3.12-3 Wind Roses for Six National Weather Service Stations along the TAPS ROW and at Prudhoe Bay (Source: NCDC 2001b; SECOR 1995)

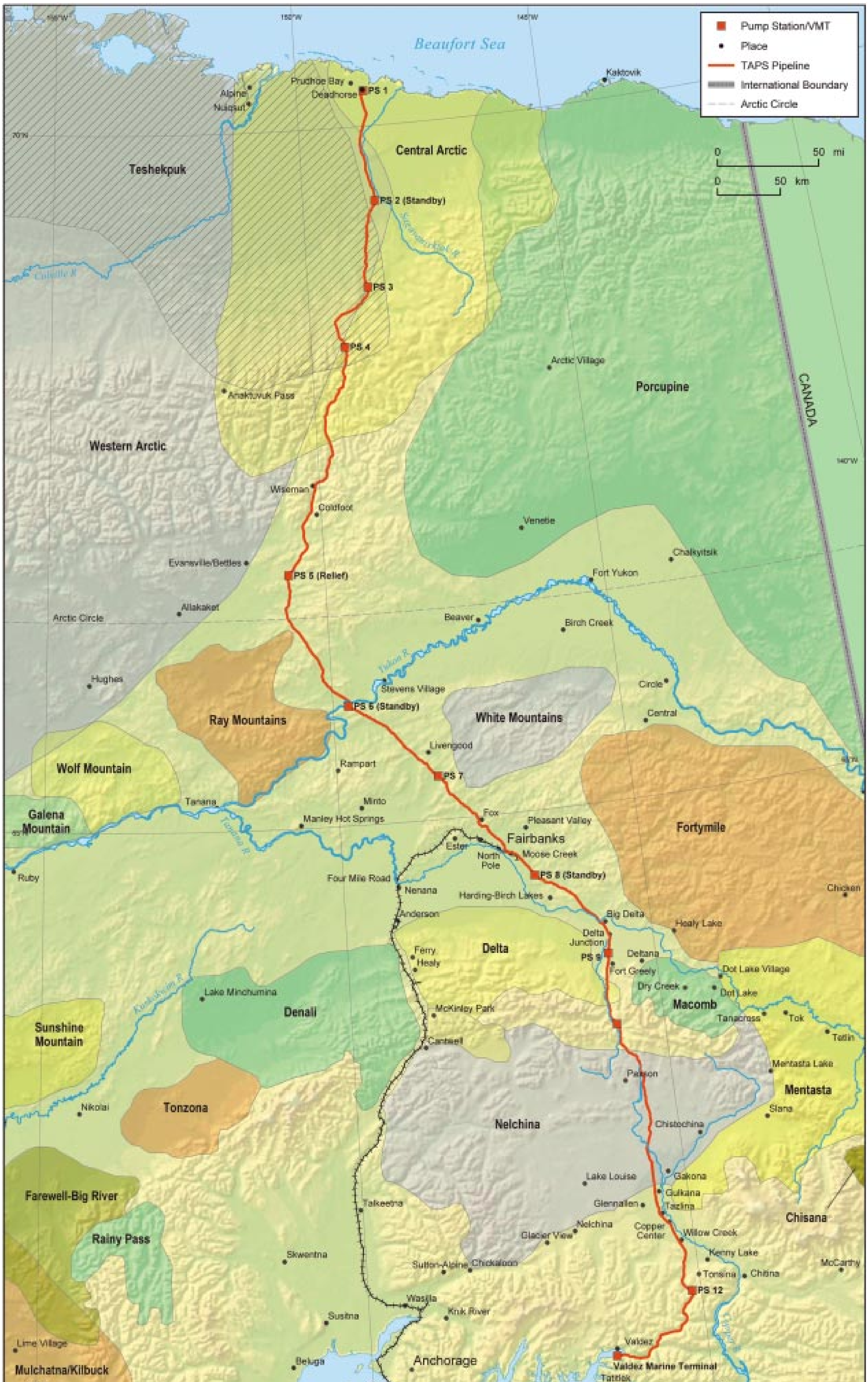
MAP 3.18-1 Major Vegetation Zones Crossed by the TAPS ROW (Source: Viereck et al. 1992)



MAP 3.19-1 Map Showing Major Waterways Discussed for Fisheries (Source: TAPS Owners 2001a)

Game Management Unit	From MP	To MP
26B	0.0	166.7
25A	166.7	173.2
24	173.2	312.7
25D	312.7	320.2
20F	320.2	389.6
20B	389.6	512.7
20D	512.7	579.5
13B	579.5	654.5
13A	654.5	684.4
13D	684.4	775.4
06D	775.4	800.0
25A, 20A, 13C, 11	Pipeline does not cross these units.	

MAP 3.21-1 Game Management Units in Alaska



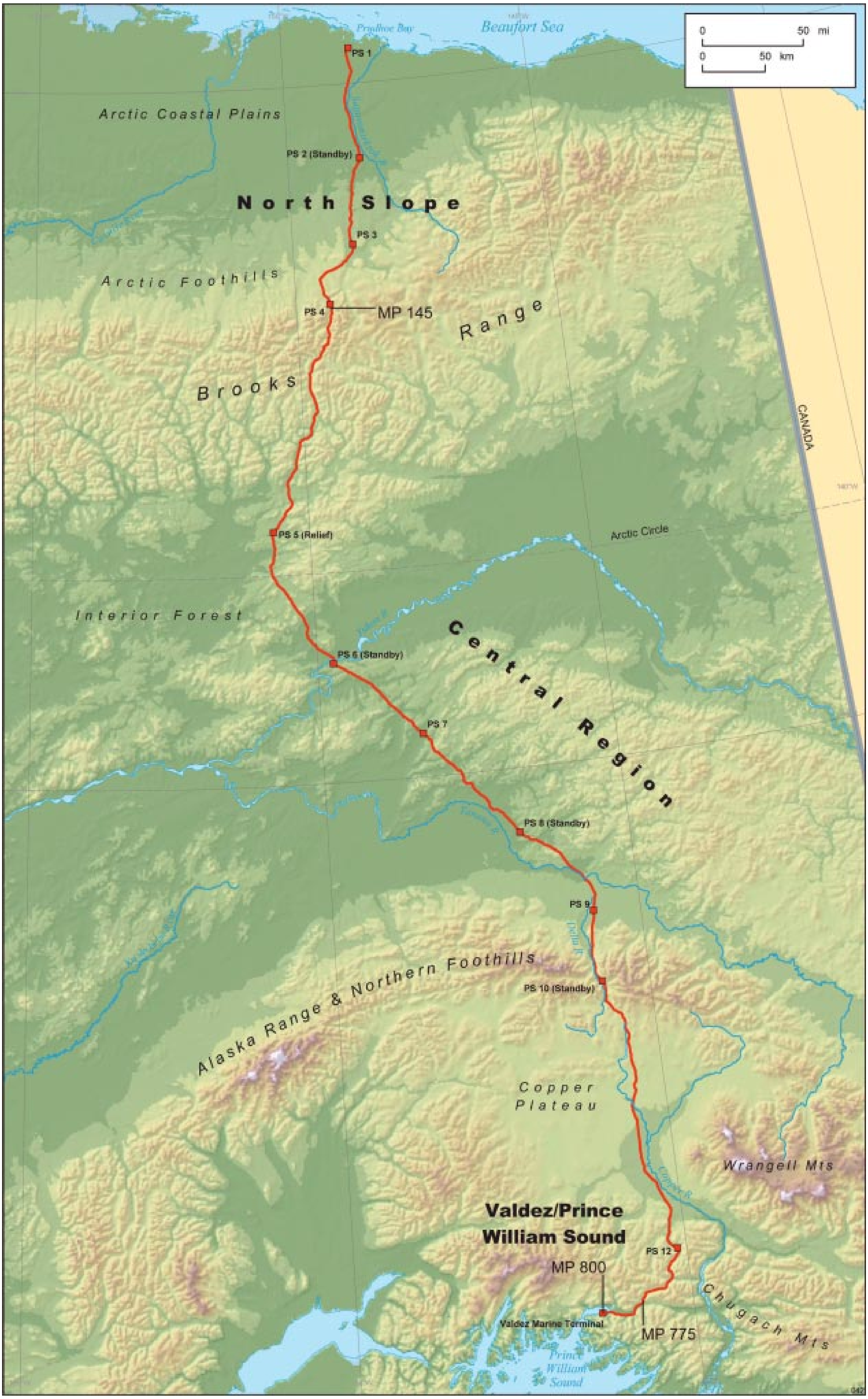
MAP 3.21-2 Distribution of Caribou Herds in the Vicinity of the TAPS ROW

MAP 3.23-1 Alsakan Boroughs and Census Areas

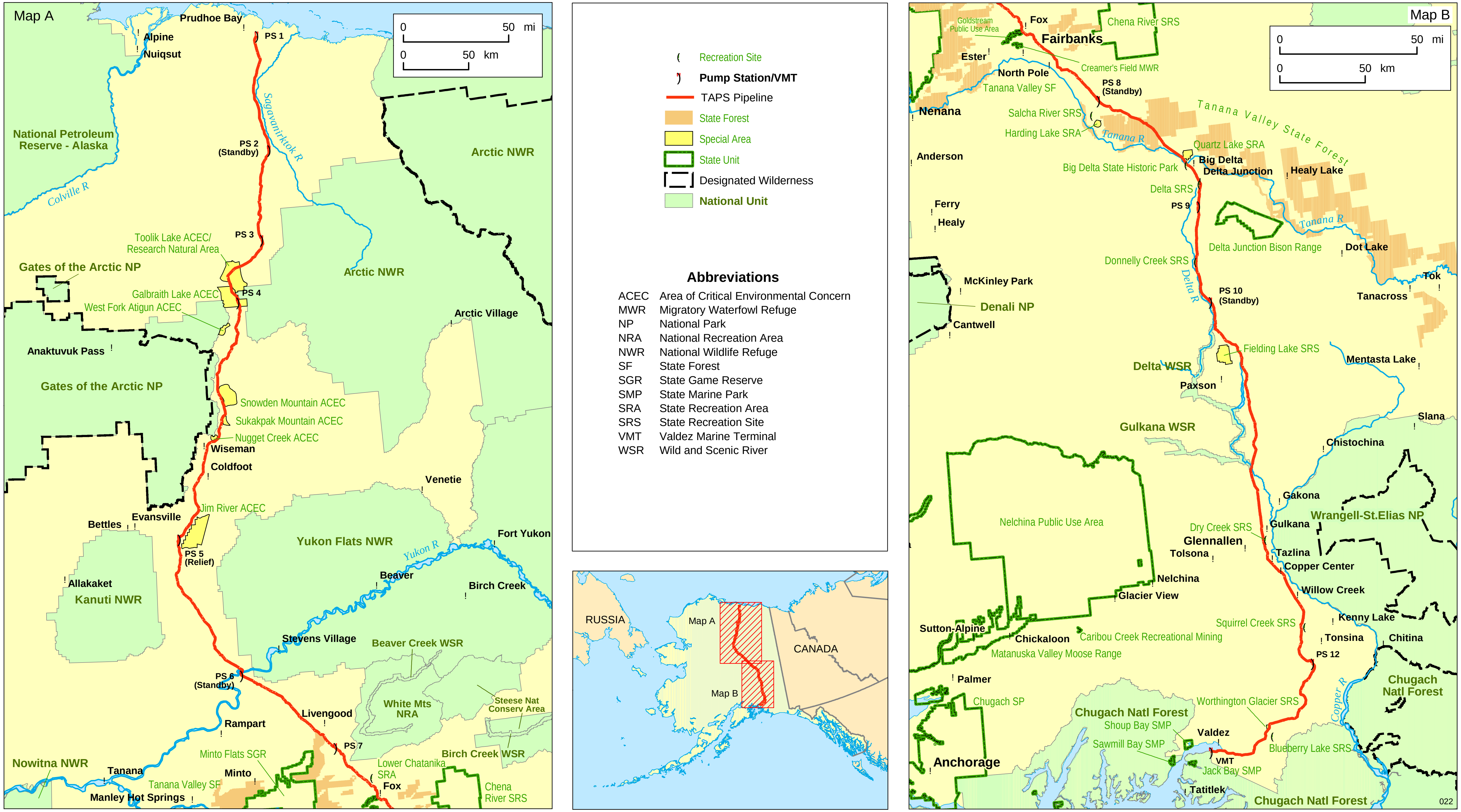
MAP 3.24-1 Locations of Potential Affected Communities and Associated Harvest Areas (harvest areas provided by ADF&G and the U.S. Forest Service)

MAP 3.25-1 Alaska Native Regional Sociocultural Systems about the Time of Contact with Euro-Americans (Sources: Developed from regional maps in Damas 1984; Helm 1981; Suttles 1990)

MAP 3.25-2 Areas of Alaska Native Regional Corporations (Source: Based on data from U.S. Bureau of the Census 2001b)

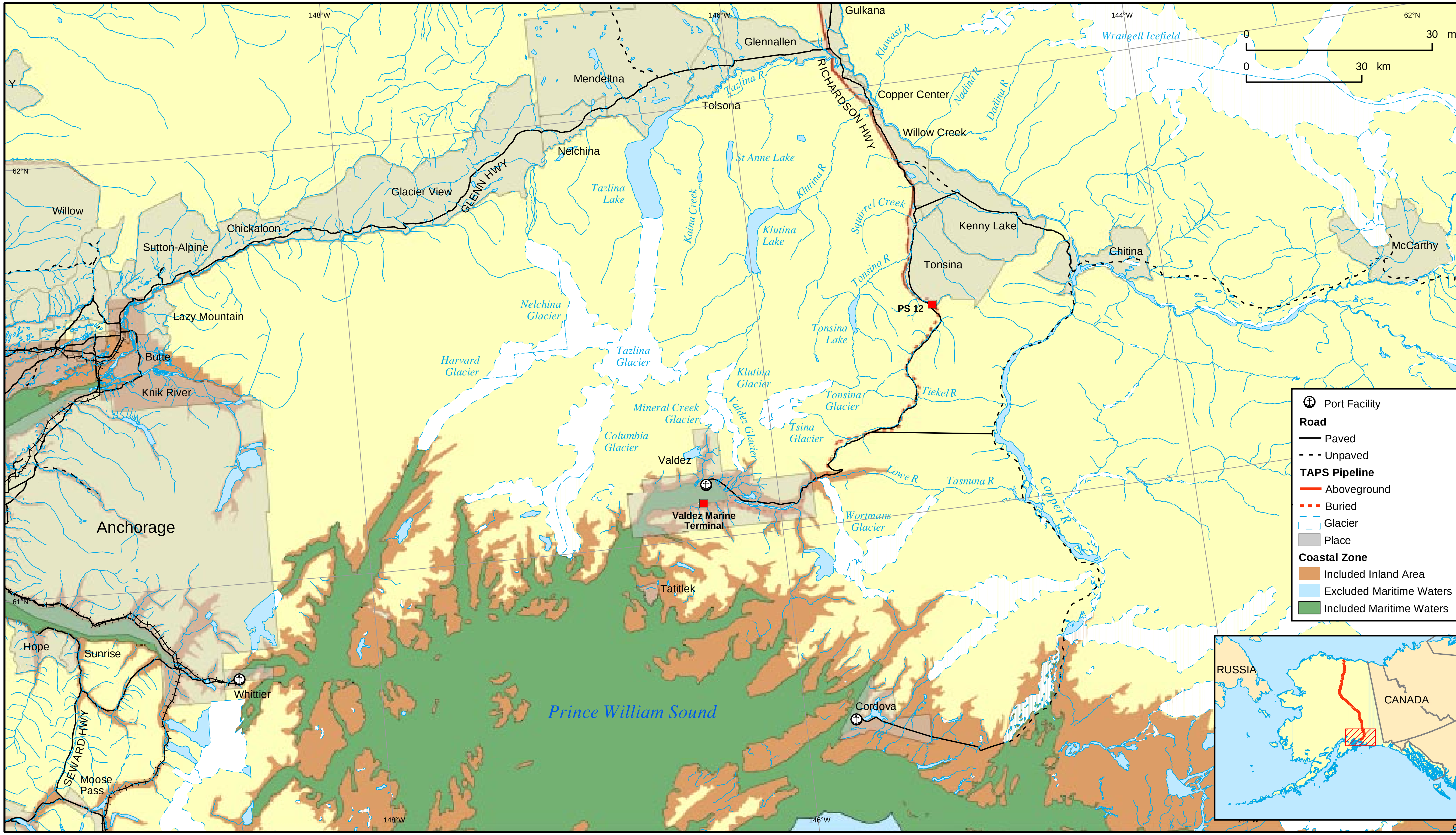


MAP 3.26-1 Cultural Resource Areas

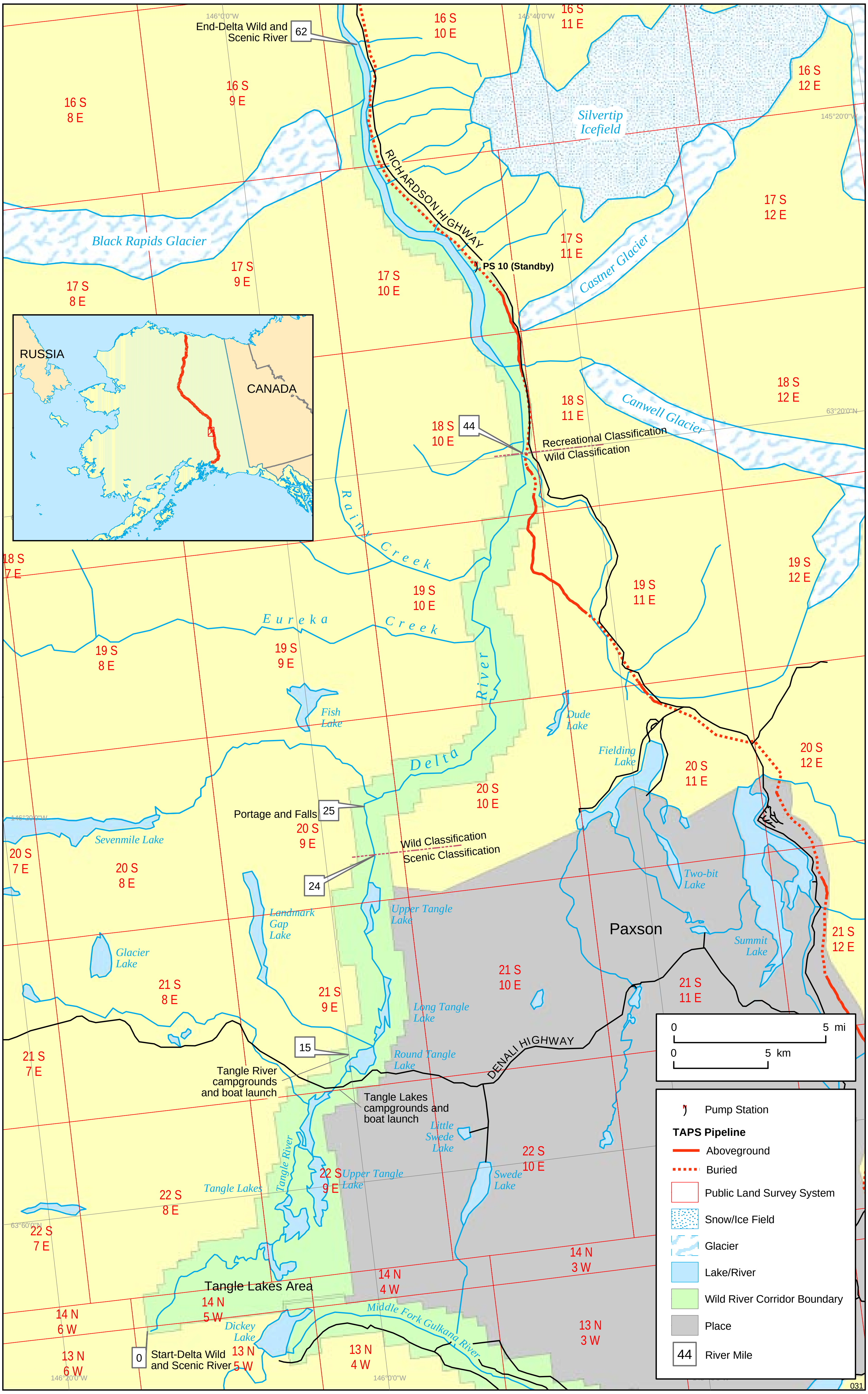


MAP 3.27-1 Locations of Conservation System Units along the ROW

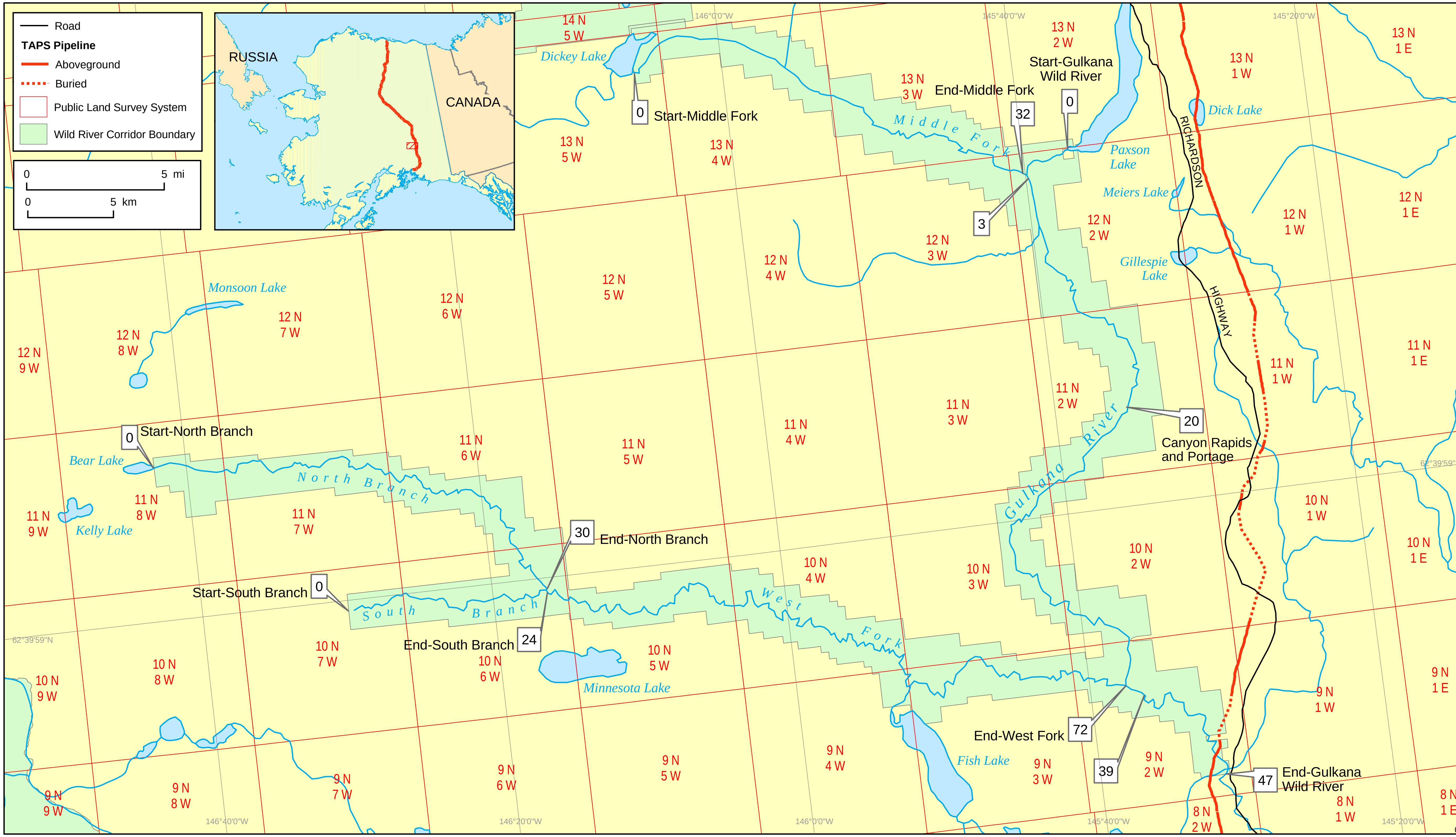
MAP 3.27-2 North Slope Borough Coastal Zone



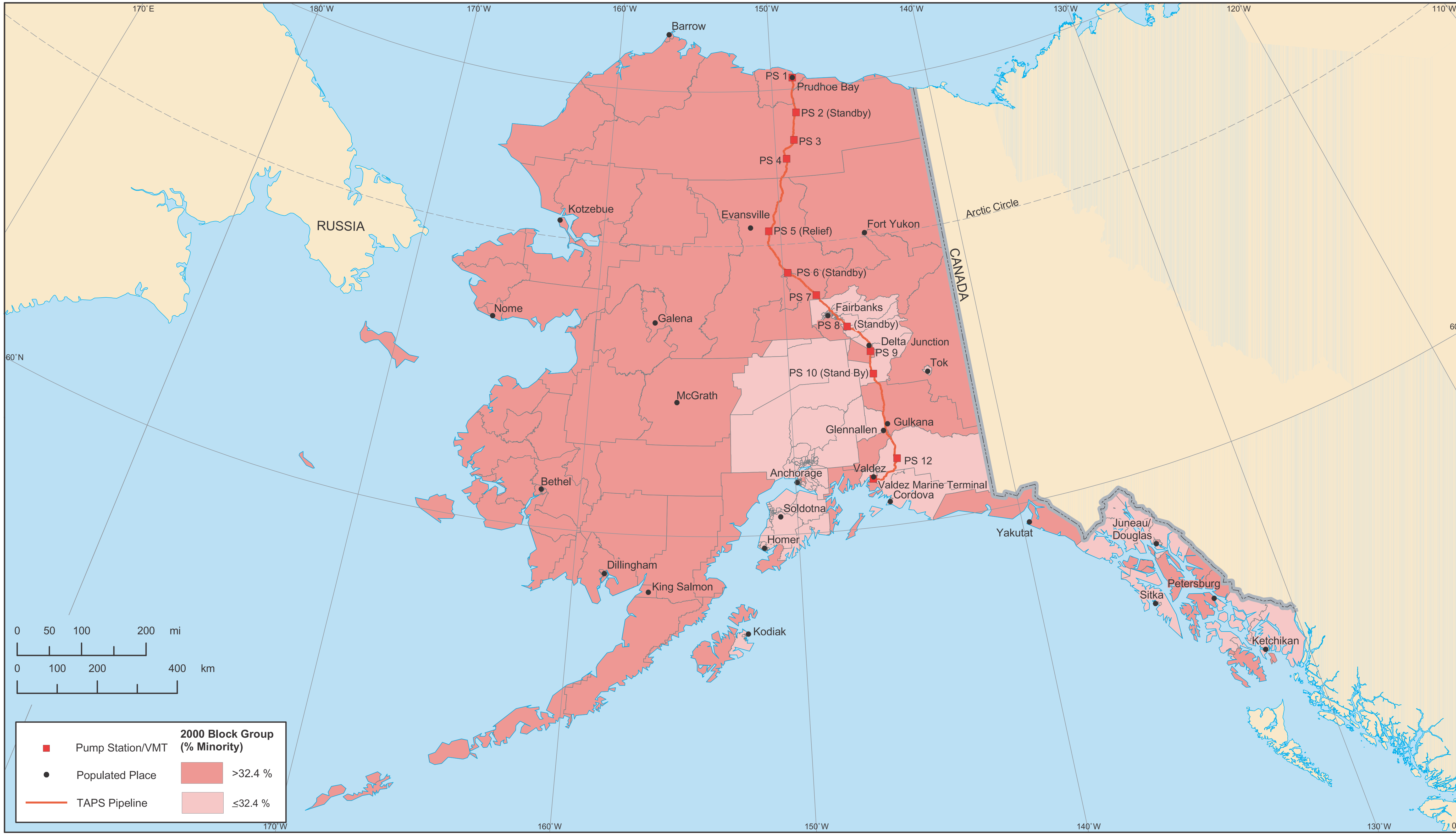
MAP 3.27-3 Valdez Coastal Zone



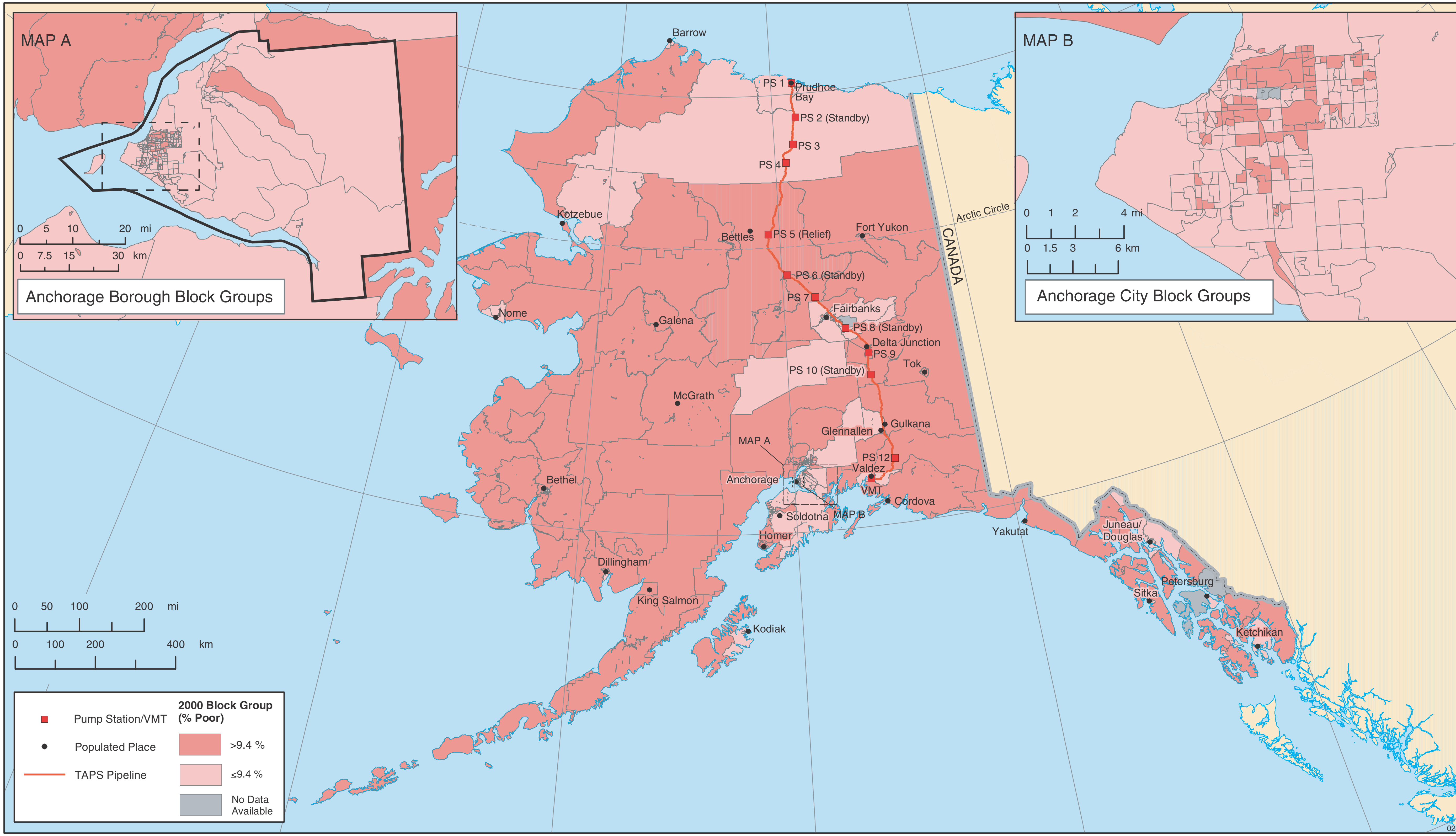
MAP 3.28-1 Delta River



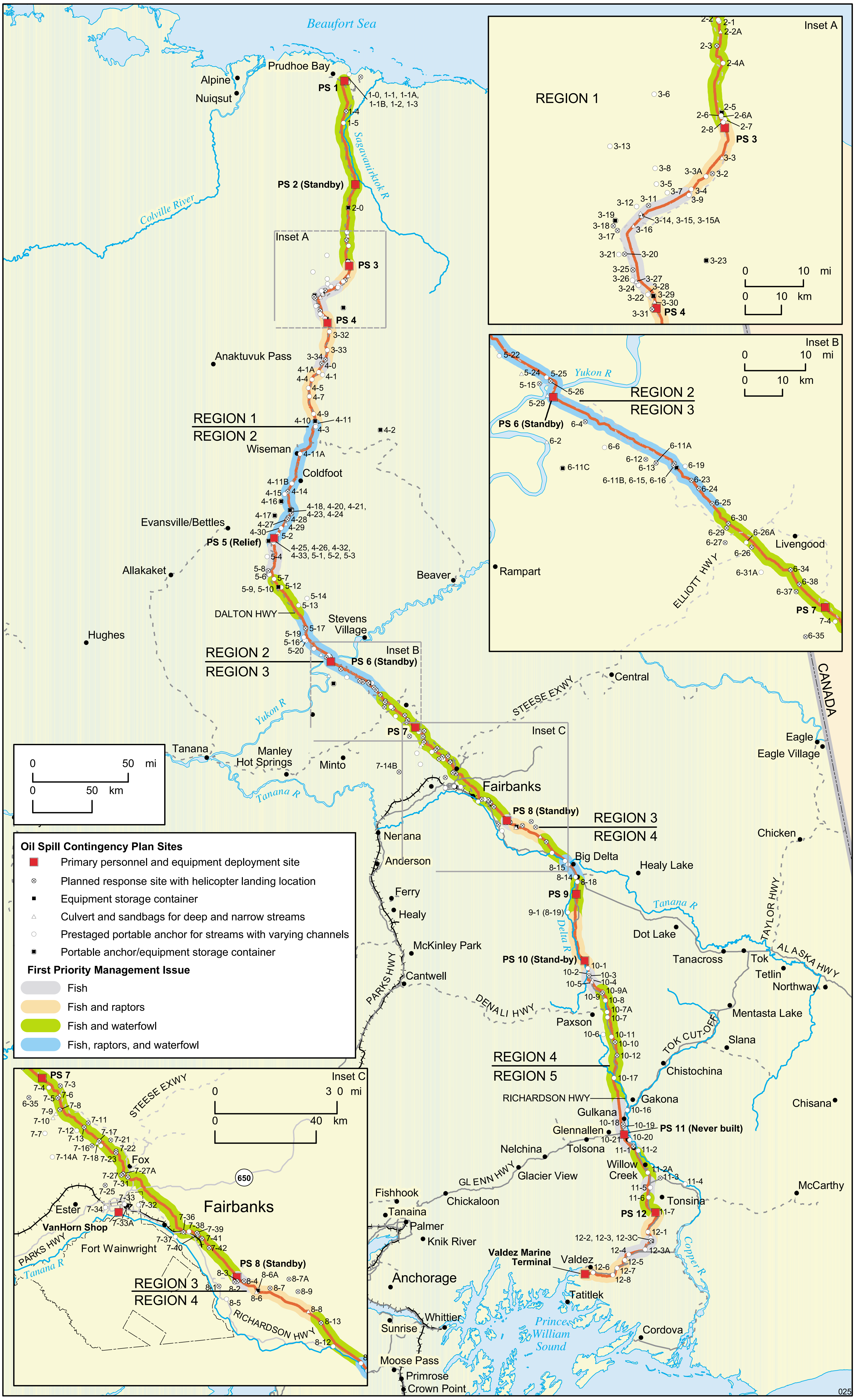
MAP 3.28-2 Gulkana River



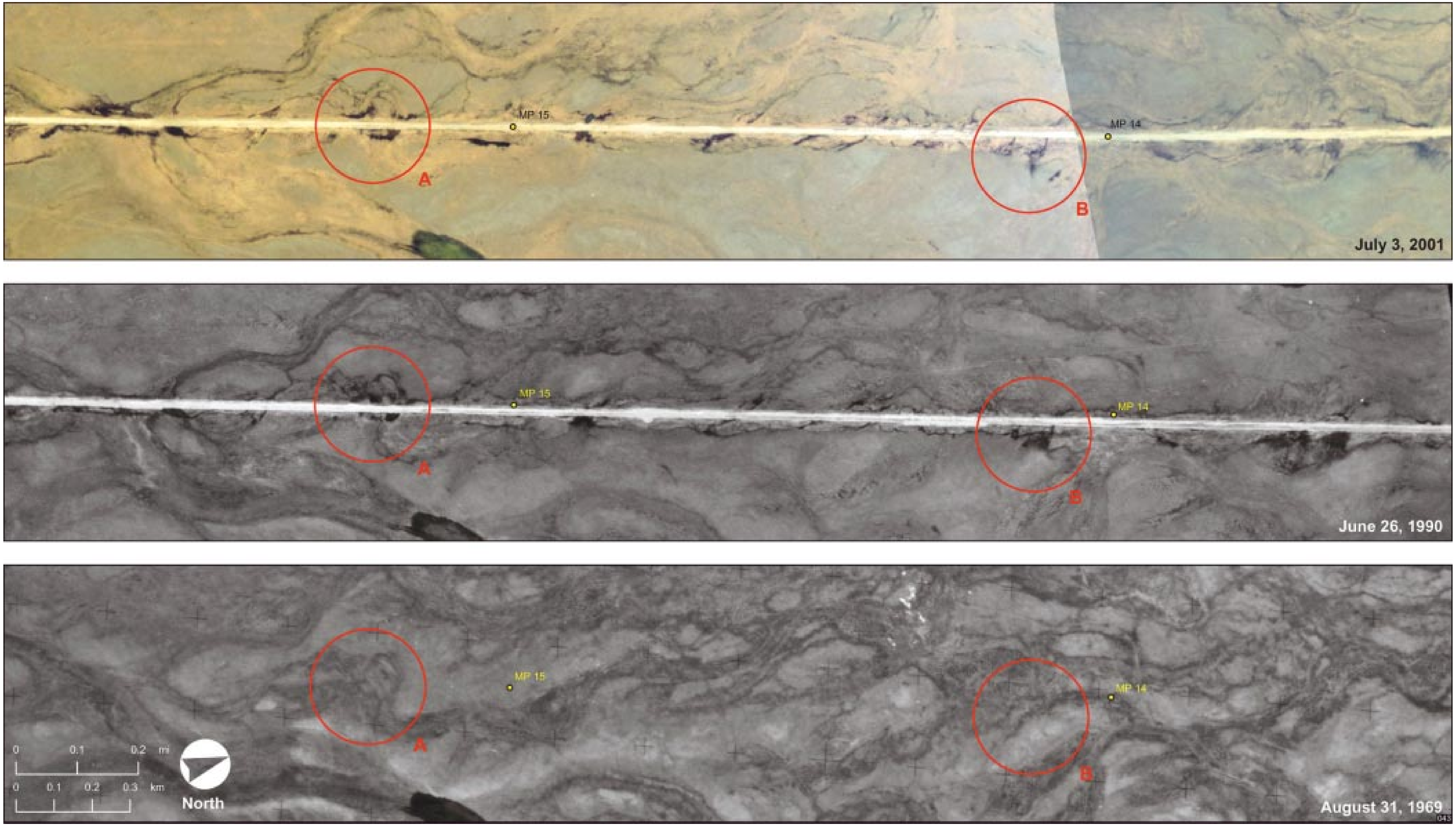
MAP 3.29-1 Census Block Groups with Minority Populations in Excess of 32.4% (Source: Based on data from U.S. Bureau of the Census 2001c)



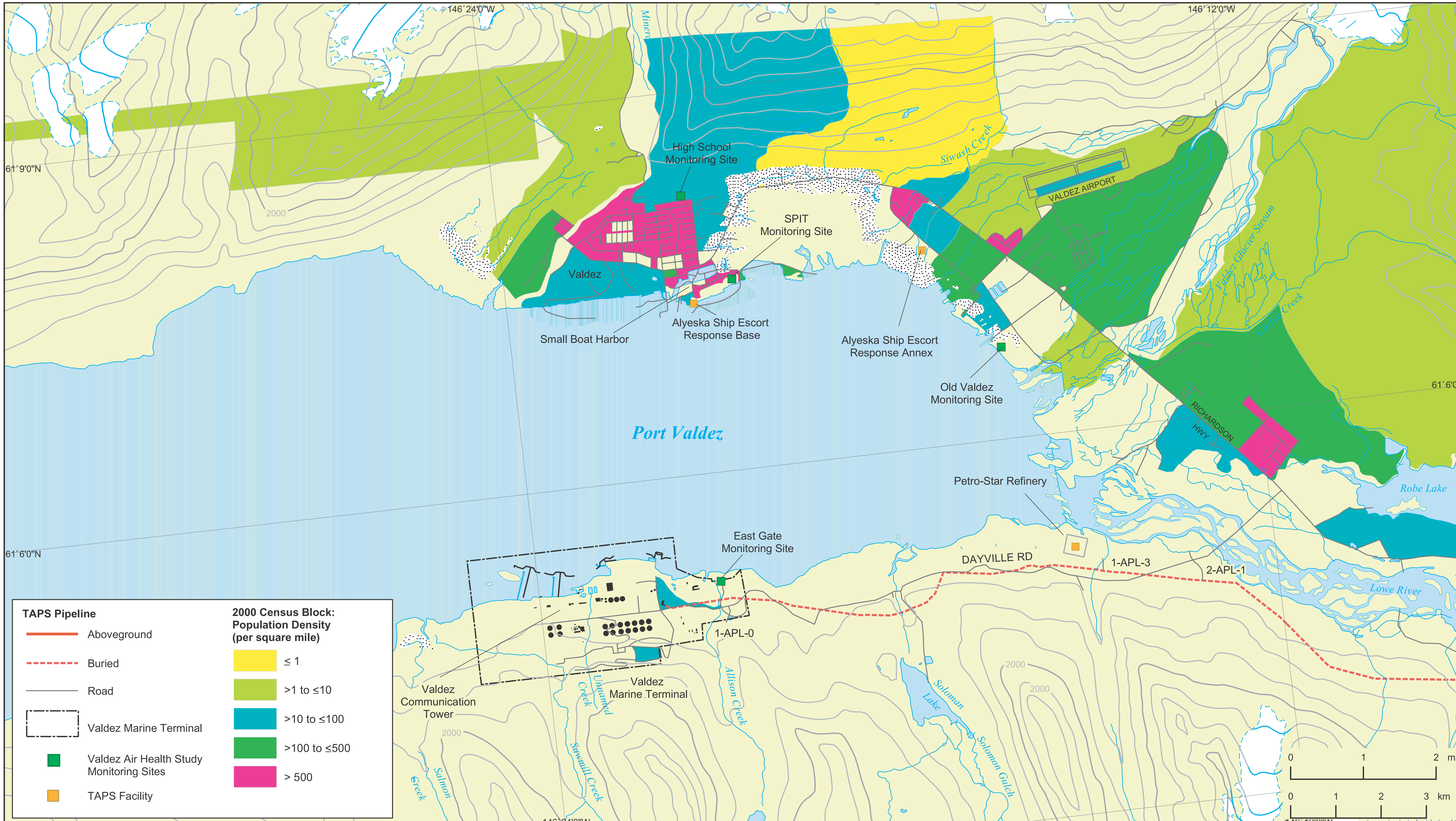
MAP 3.29-2 Census Block Groups with Low-Income Populations in Excess of 9.6% (Source: Based on data from U.S. Bureau of the Census 2002)



MAP 4.1-1 TAPS Oil Spill Contingency Resources



MAP 4.3-1 Ponding and Change of Local Surface Hydrology Adjacent to the TAPS ROW on the Arctic Coastal Plain



MAP 4.3-2 Valdez Air Health Study Ambient Air Monitoring Locations

FACILITY: Pipeline at Check Valve 23 at MP 114.7
DATE: 1 Jan 1981
SPILL AMOUNT: 63,000 gal/1,500 bbl
COMMENTS: Mechanical defect

FACILITY: Pipeline near Livengood ~ 80 mi north of Fairbanks at MP 399
DATE: 4 Oct 2001
SPILL AMOUNT: 285,600 gal/6,800 bbl
COMMENTS: Vandalism: Bullet-hole pierced pipeline, 174,000 gal recovered as of 1-NOV-2001

FACILITY: Pipeline near Steele Creek at MP 474
DATE: 15 Feb 1978
SPILL AMOUNT: 672,000 gal/16,000 bbl
COMMENTS: Sabotage - explosive charge

FACILITY: Pipeline at MP 734
DATE: 15 Jun 1979
SPILL AMOUNT: 168,000 gal/4,000 bbl
COMMENTS: Settlement: Pipe failure (wrinkle and crack in pipe due to settlement)

FACILITY: VMT, East Tank Farm
DATE: 11 Feb 1980
SPILL AMOUNT: 134,404 gal/3,200 bbl
COMMENTS: Valve 746 leaked onto land and a very small quantity got to water.

FACILITY: Pipeline at Check Valve 7 at MP 26
DATE: 19 Jun 1977
SPILL AMOUNT: 75,600 gal/1,800 bbl
COMMENTS: Vehicle impact: Front-end loader accidentally broke valve fitting

FACILITY: Pipeline north of Atigun Pass at MP 166
DATE: 10 Jun 1979
SPILL AMOUNT: 63,000 gal/1,500 bbl
COMMENTS: Settlement: Pipe support loss/failure

FACILITY: Pump Station 8 at MP 489.3
DATE: 8 Jul 1977
SPILL AMOUNT: 12,600 gal/300 bbl
COMMENTS: Explosion and fire

FACILITY: Pump Station 10 at MP 585.8
DATE: 12 May 1980
SPILL AMOUNT: 10,000 gal/238 bbl
COMMENTS: Mechanical defect: Tank valve failure, 9,980 gal, excess pressure separated bonnet

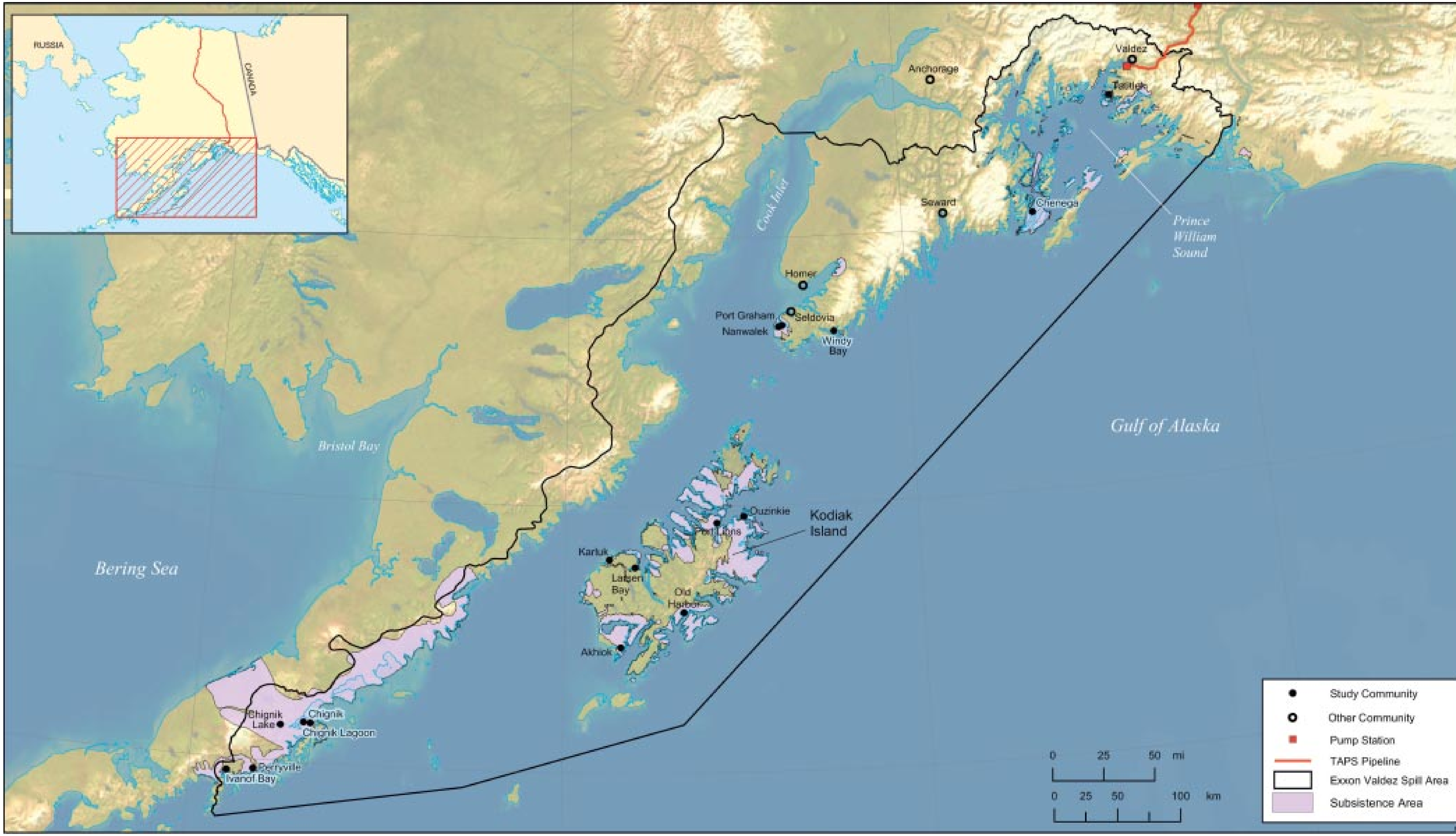
FACILITY: Pipeline at Check Valve 92 at MP 594
DATE: 20 Apr 1996
SPILL AMOUNT: 34,076 gal/811 bbl
COMMENTS: Mechanical defect: Cracked fitting

(1) (2)
FACILITY: VMT, East Impoundment Basin (2 spills)
DATE: (1)25 Aug 1983 (2)25 Jul 1984
SPILL AMOUNT: (1)12,600 gal/286 bbl (2)24,570 gal/558 bbl
COMMENTS: (1)Valve leak (2)Sump pump down

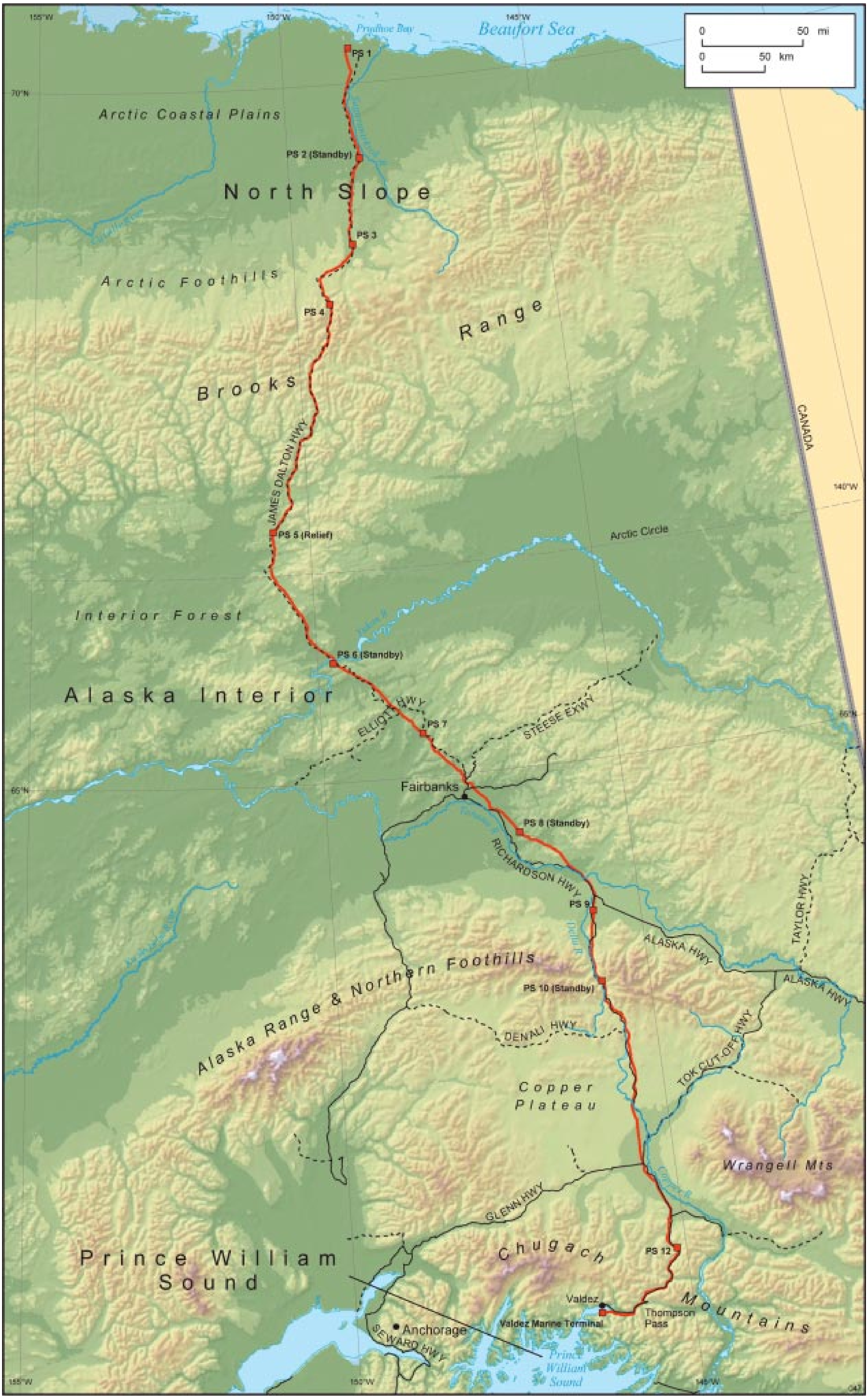
01fr1

MAP 4.4-1 Locations and Descriptions of the Largest Historical Pipeline and Valdez Marine Terminal Oil Spills (Source: ADEC 2001b)

MAP 4.4-2 East Tank Farm Facilities Potentially Affected in the Valdez Marine Terminal Fire Scenario

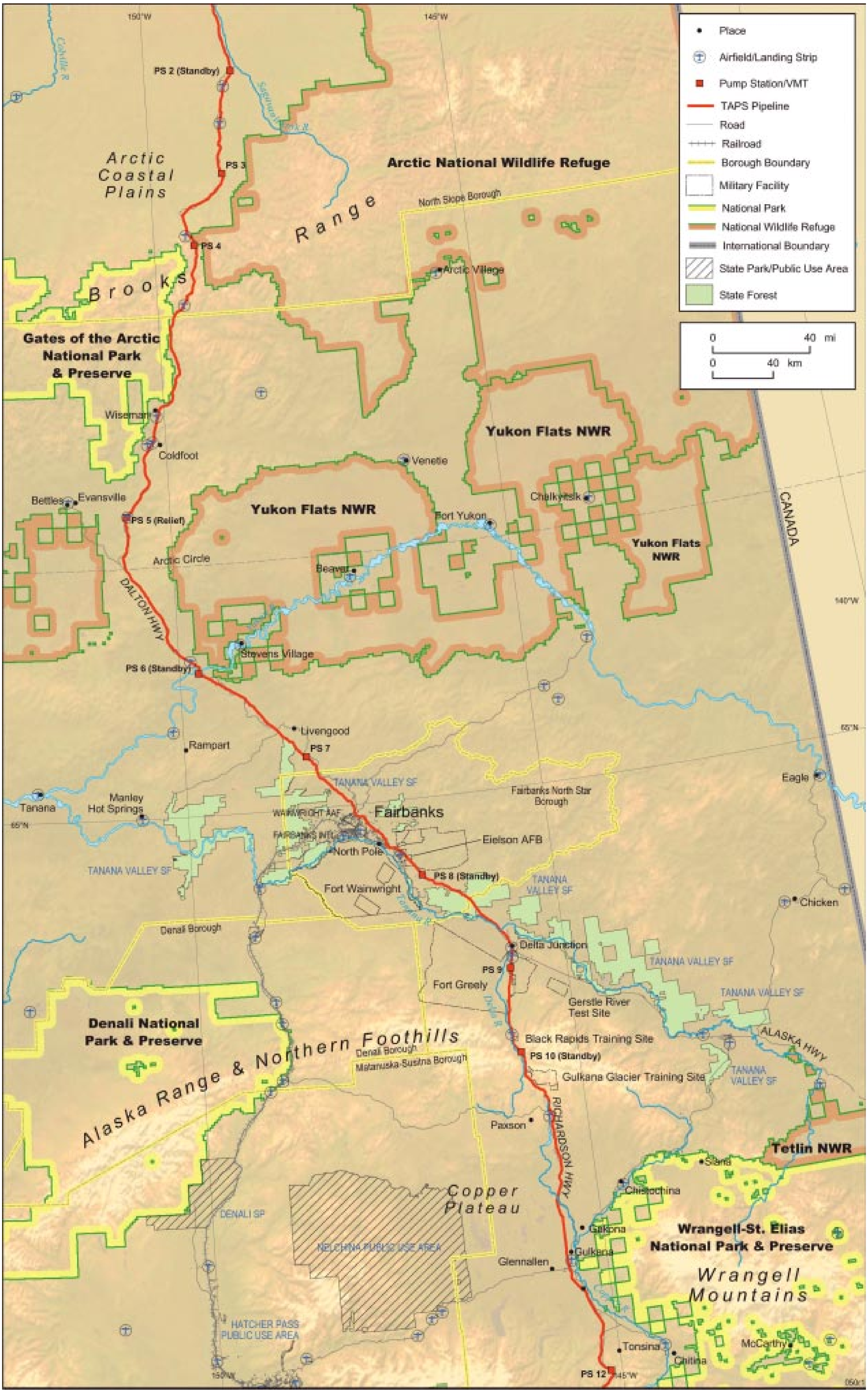


MAP 4.4-3 Boundary of the Watershed Area Affected by the Exxon Valdez Oil Spill



MAP 4.7-1 General Regions of Interest in Alaska for Cumulative Effects to Physical and Ecological Resources from the TAPS and Other Actions

MAP 4.7-2 Areas and Locations in the Beaufort Sea and North Slope Regions



MAP 4.7-3 Areas and Locations in Interior Alaska

MAP 4.7-4 Areas and Locations in the Prince William Sound Region

MAP 4.7-5 Oil and Gas Development on the North Slope over Time (page 1 of 5)

MAP 4.7-5 (Cont.) (page 2 of 5)

BPXA / Cartography / 04-2002 / ns1983.dgn

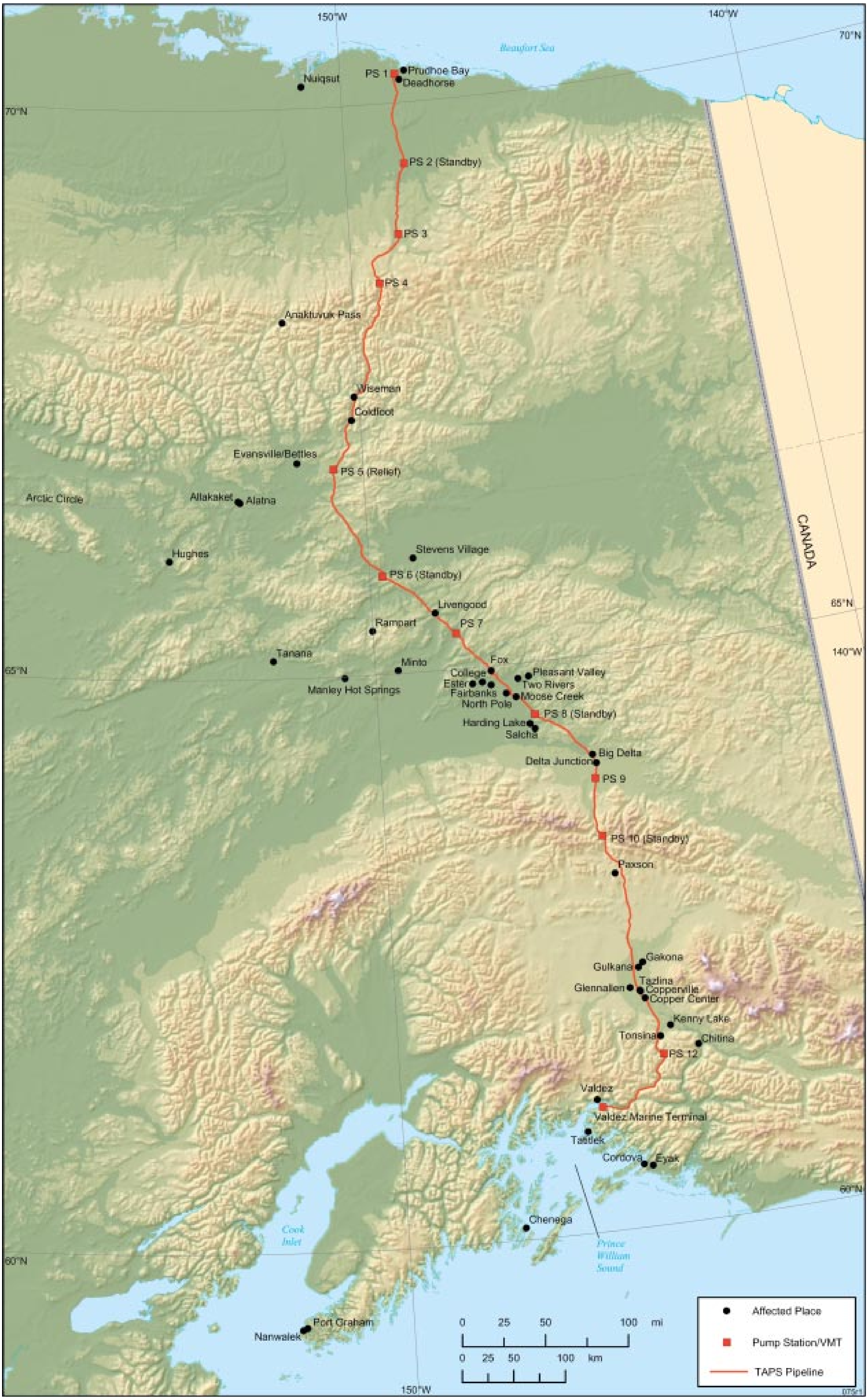
MAP 4.7-5 (Cont.) (page 3 of 5)

MAP 4.7-5 (Cont.) (page 4 of 5)

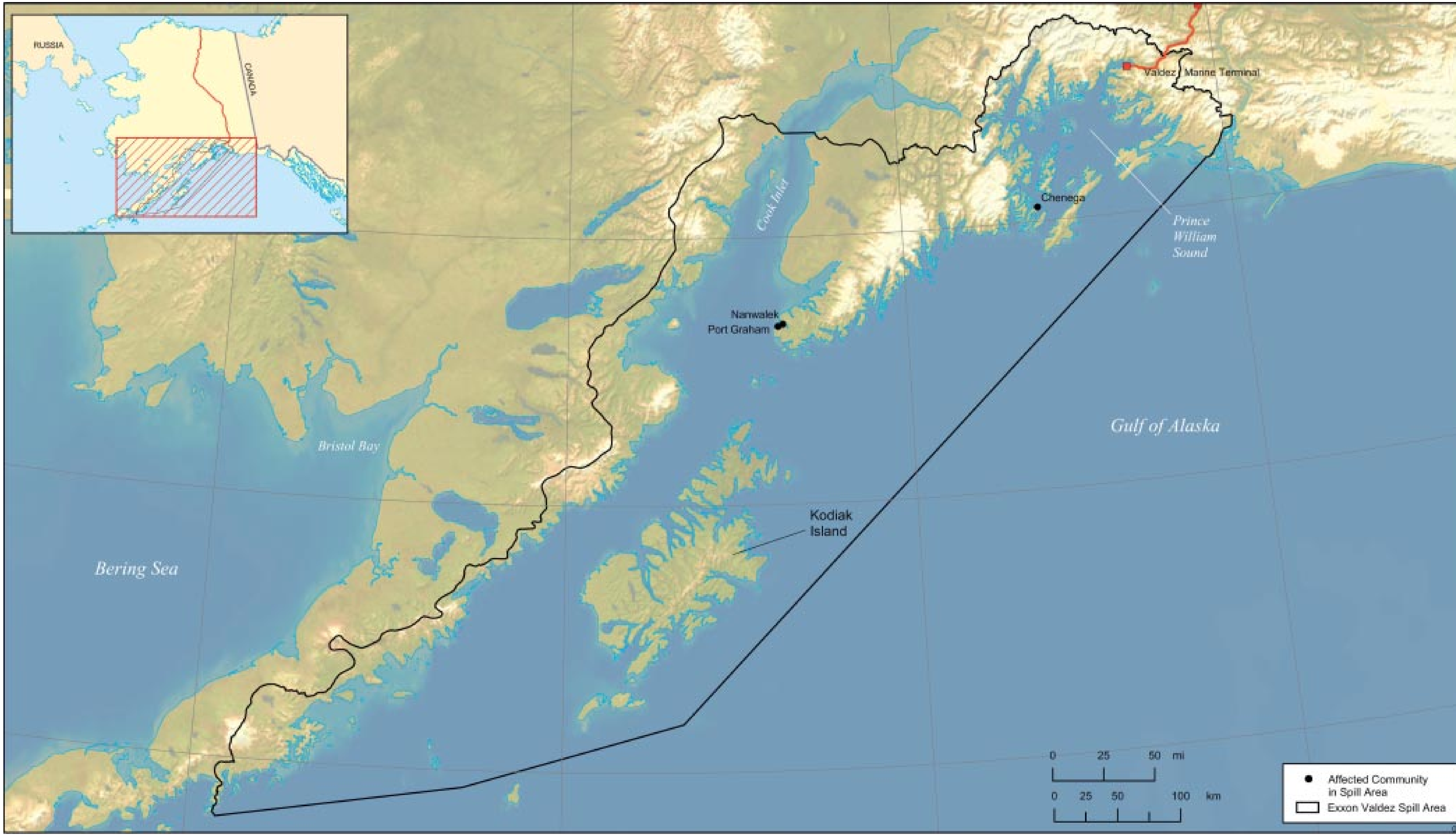
MAP 4.7-5 (Cont.) (page 5 of 5)

MAP 4.7-6 Potential Routes for Natural Gas Transportation

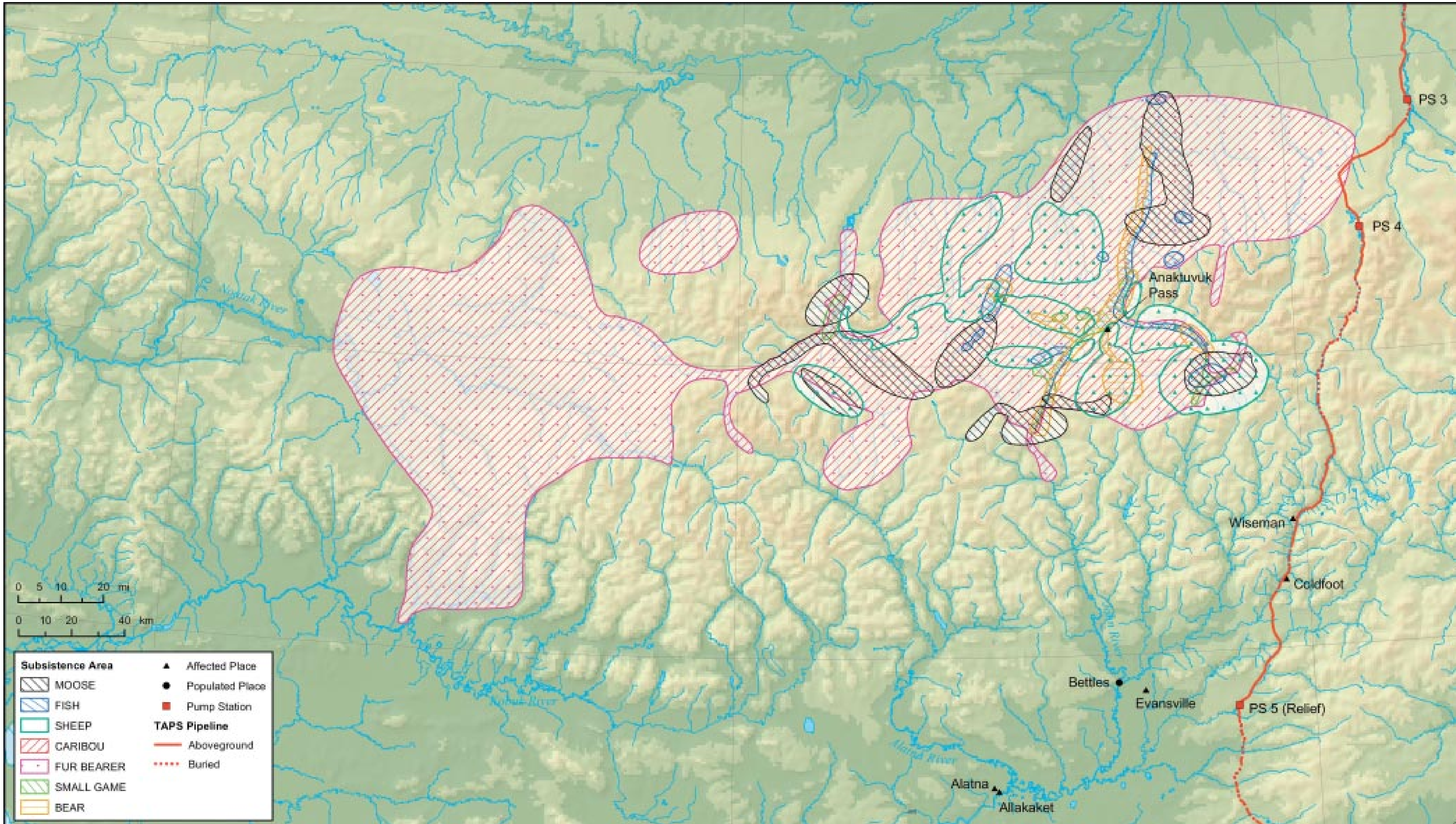
FIGURE 4.7-7 General Ocean Routes Followed by Tankers Transporting Crude Oil from Prince William Sound to U.S. and Far-Eastern Ports



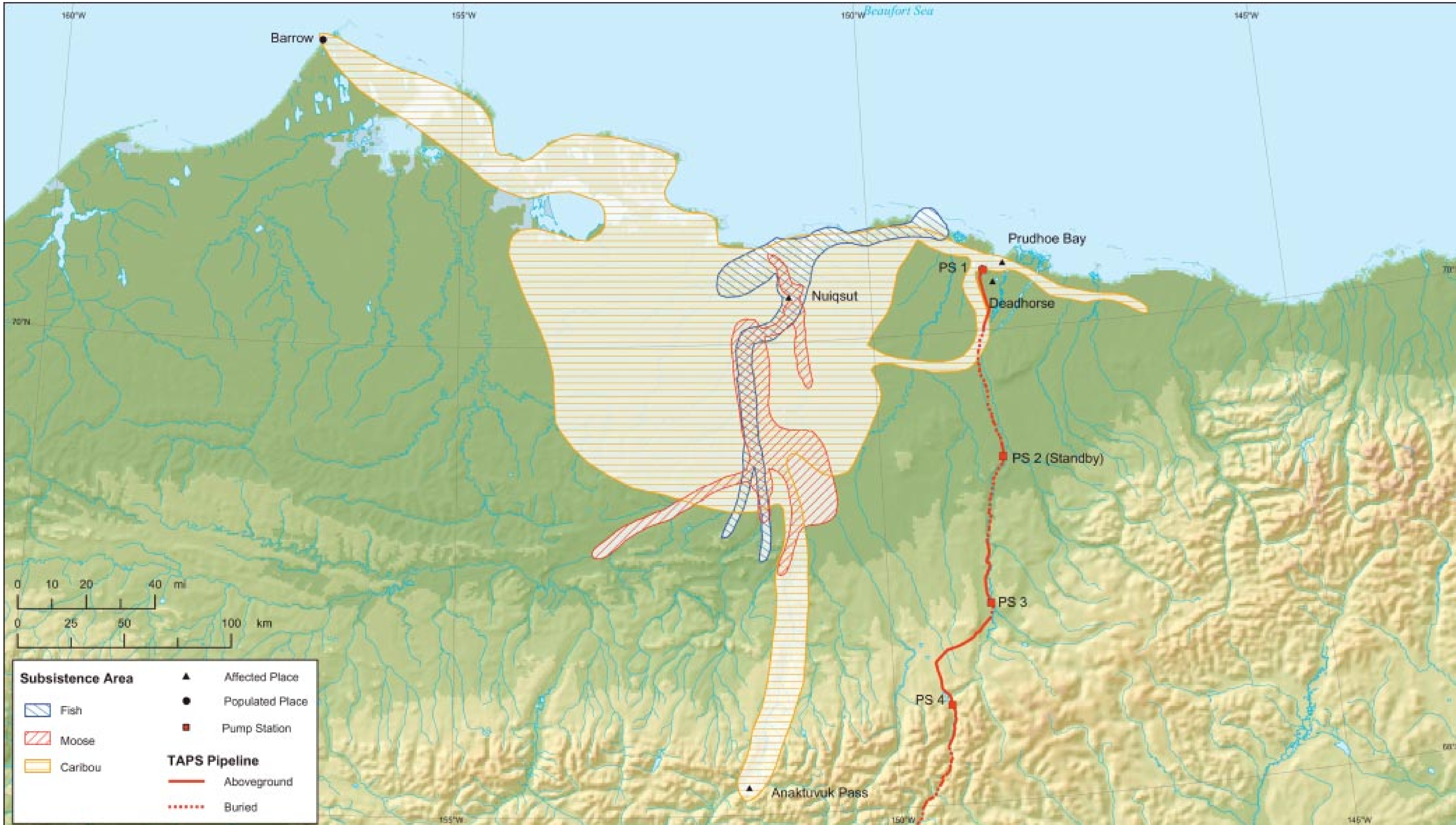
MAP D-1 Communities Considered in the TAPS ROW Renewal EIS



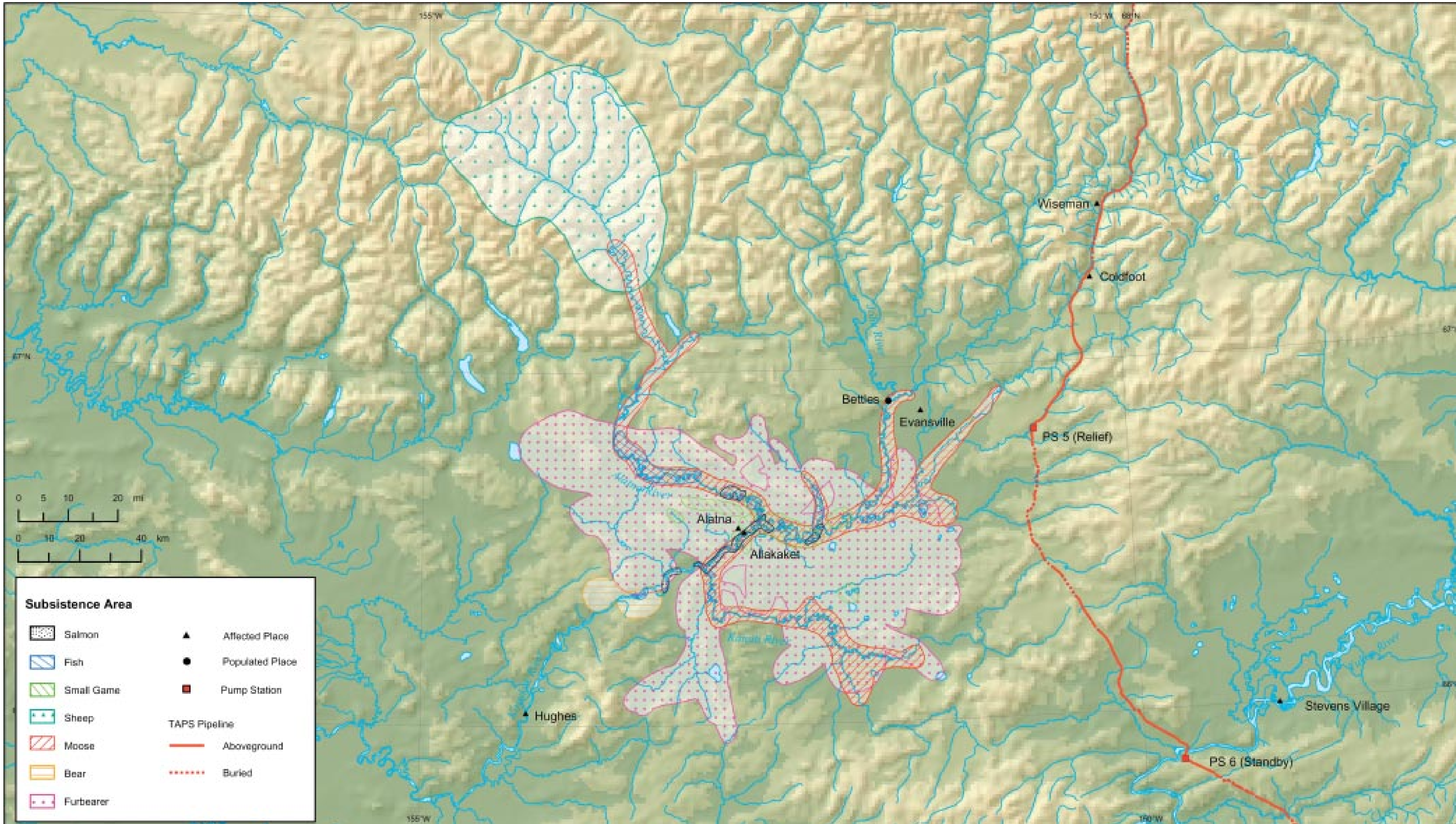
MAP D-2 Geographic Extent of Exxon Valdez Oil Spill (Data Source: ADNR 1993)



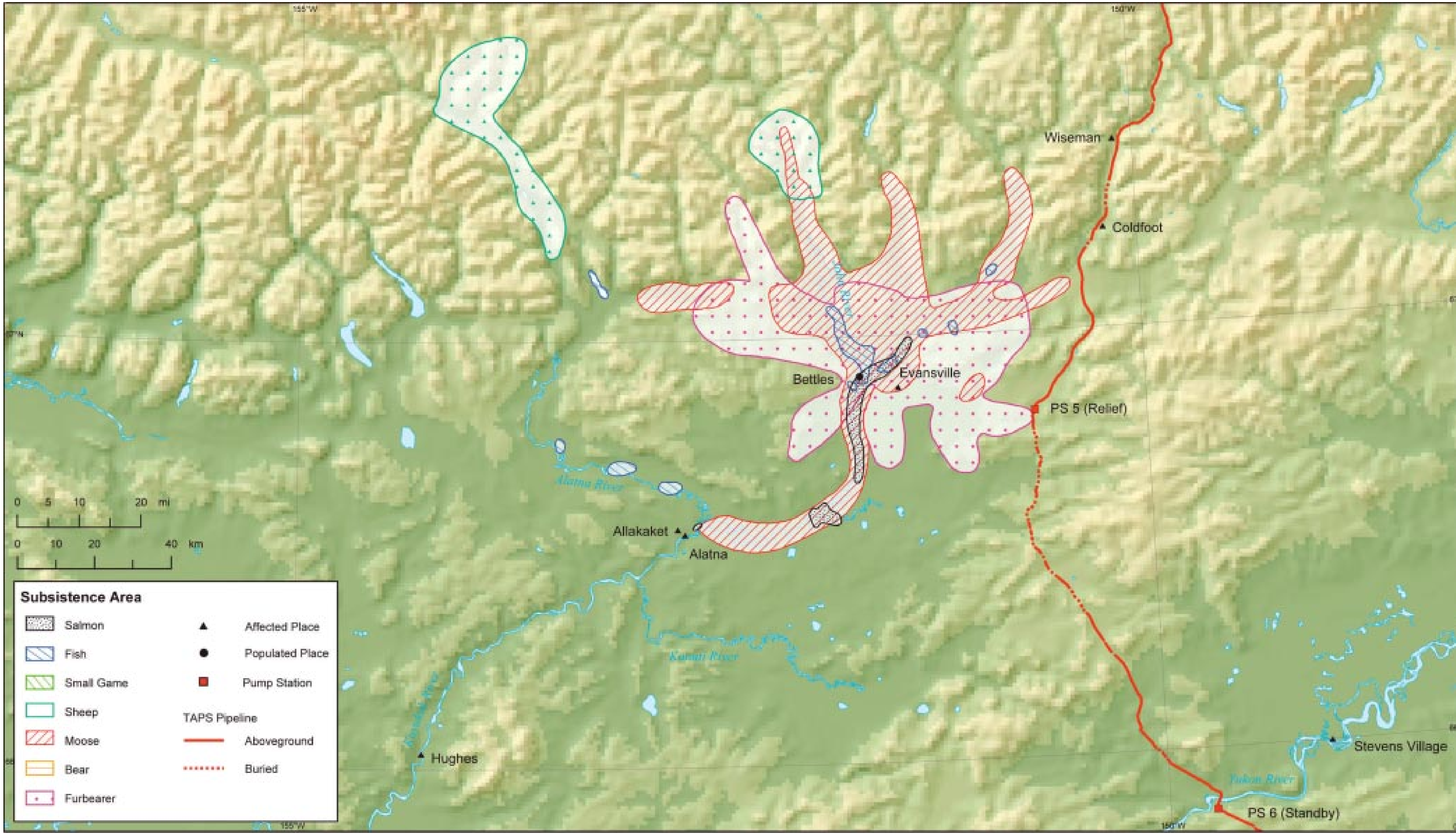
MAP D-3 Subsistence Use Areas Associated with Anaktuvuk Pass, 1979 (Data Source: ADF&G undated)



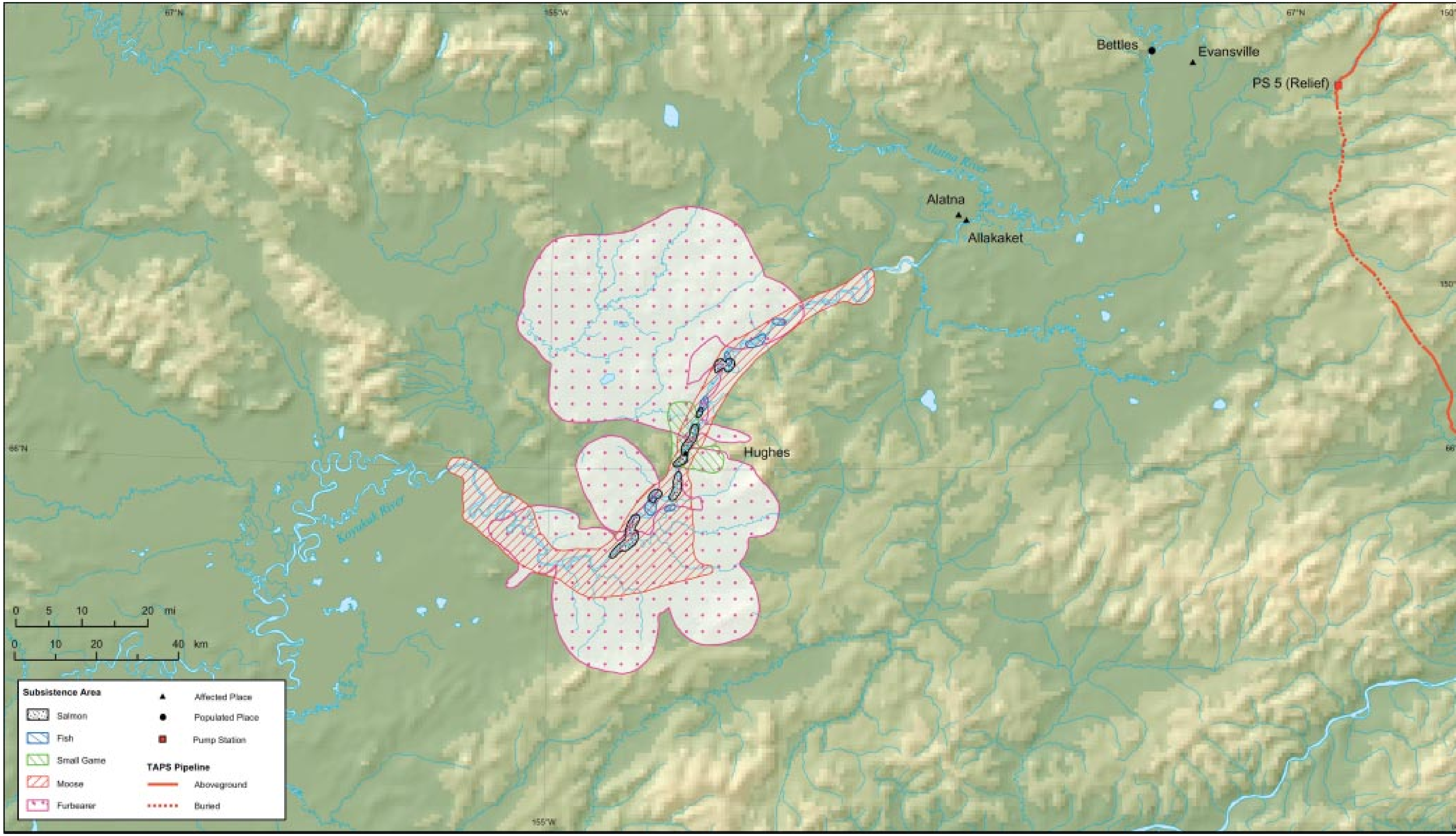
MAP D-4 Subsistence Use Areas Associated with Nuiqsut, 1973-1986 (Data Source: Bieganski 2001)



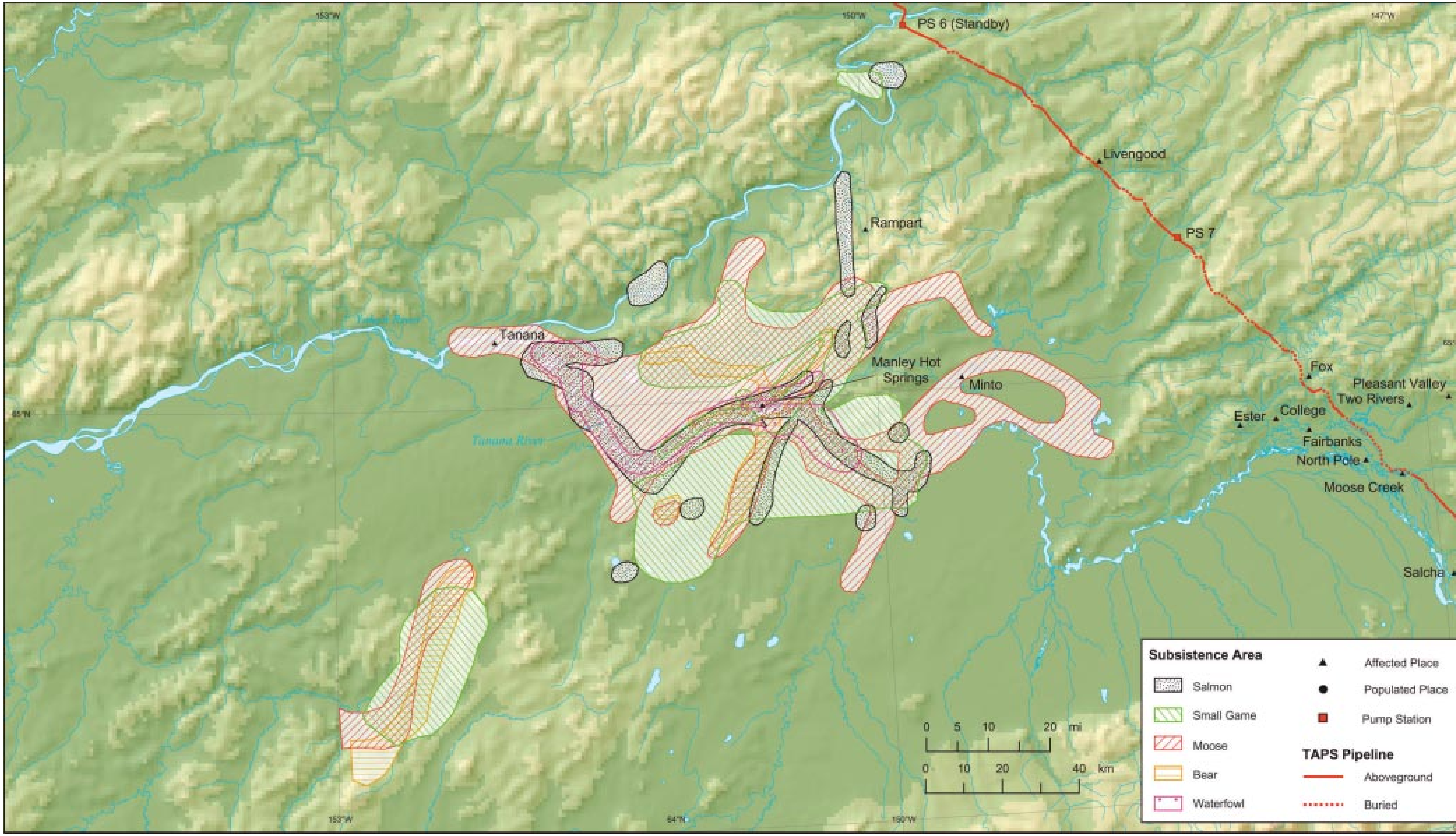
MAP D-5 Subsistence Use Areas Associated with Alatna and Allakaket, 1981-1982 (Data Source: ADF&G undated)



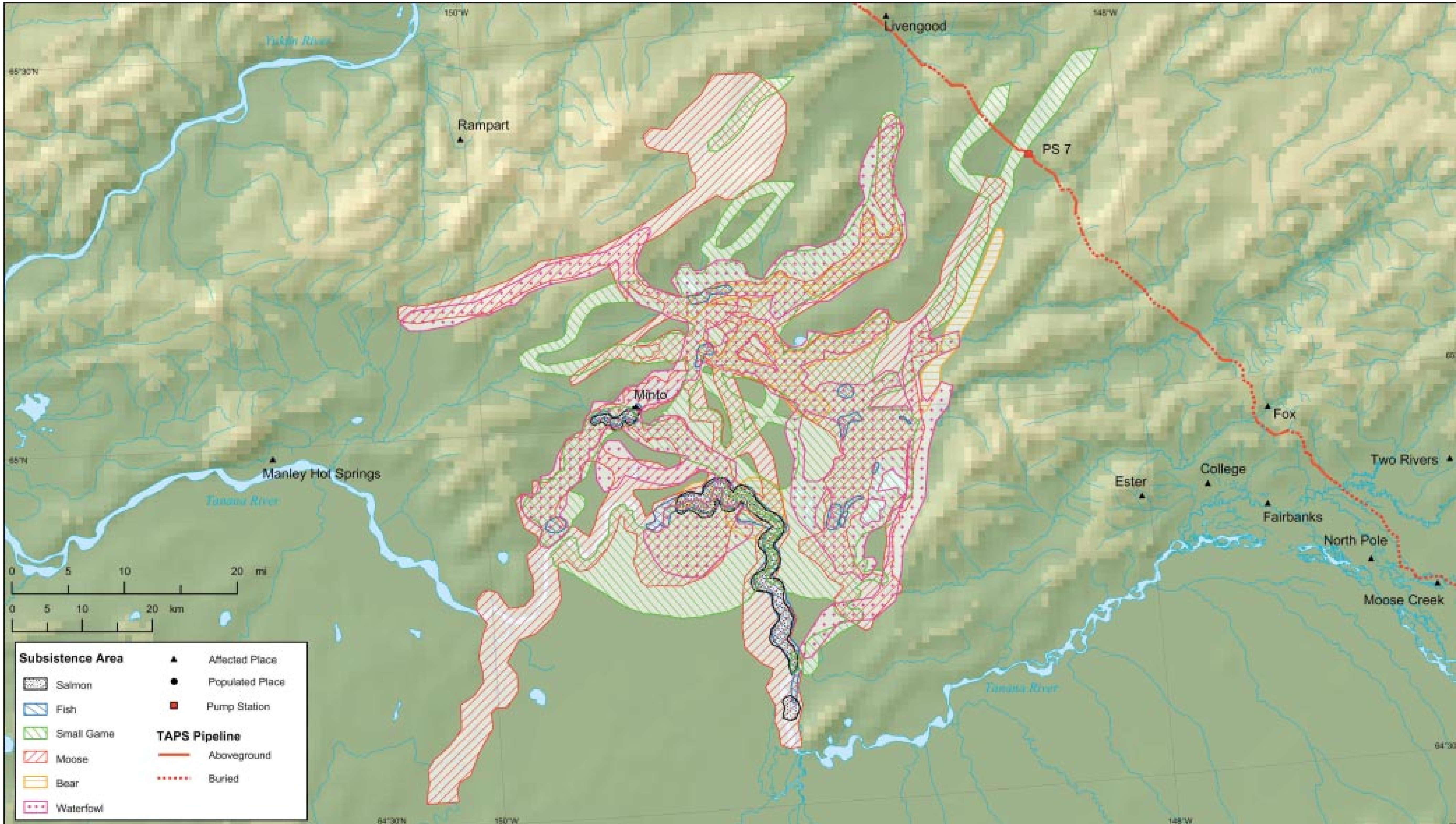
MAP D-6 Subsistence Use Areas Associated with Evansville, 1981-1982 (Data Source: ADF&G undated)



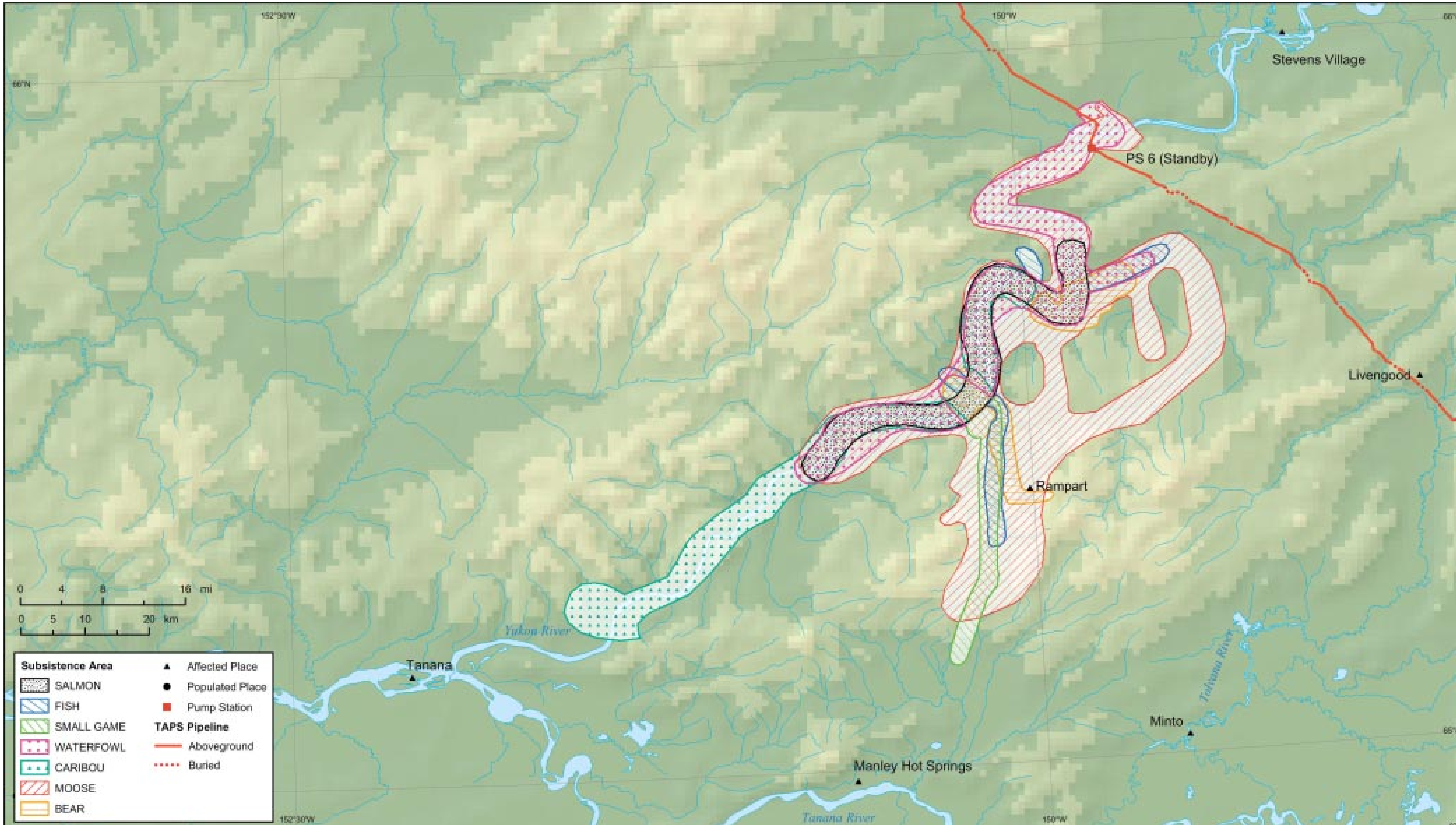
MAP D-7 Subsistence Use Areas Associated with Hughes, 1981-1982 (Data Source: ADF&G undated)



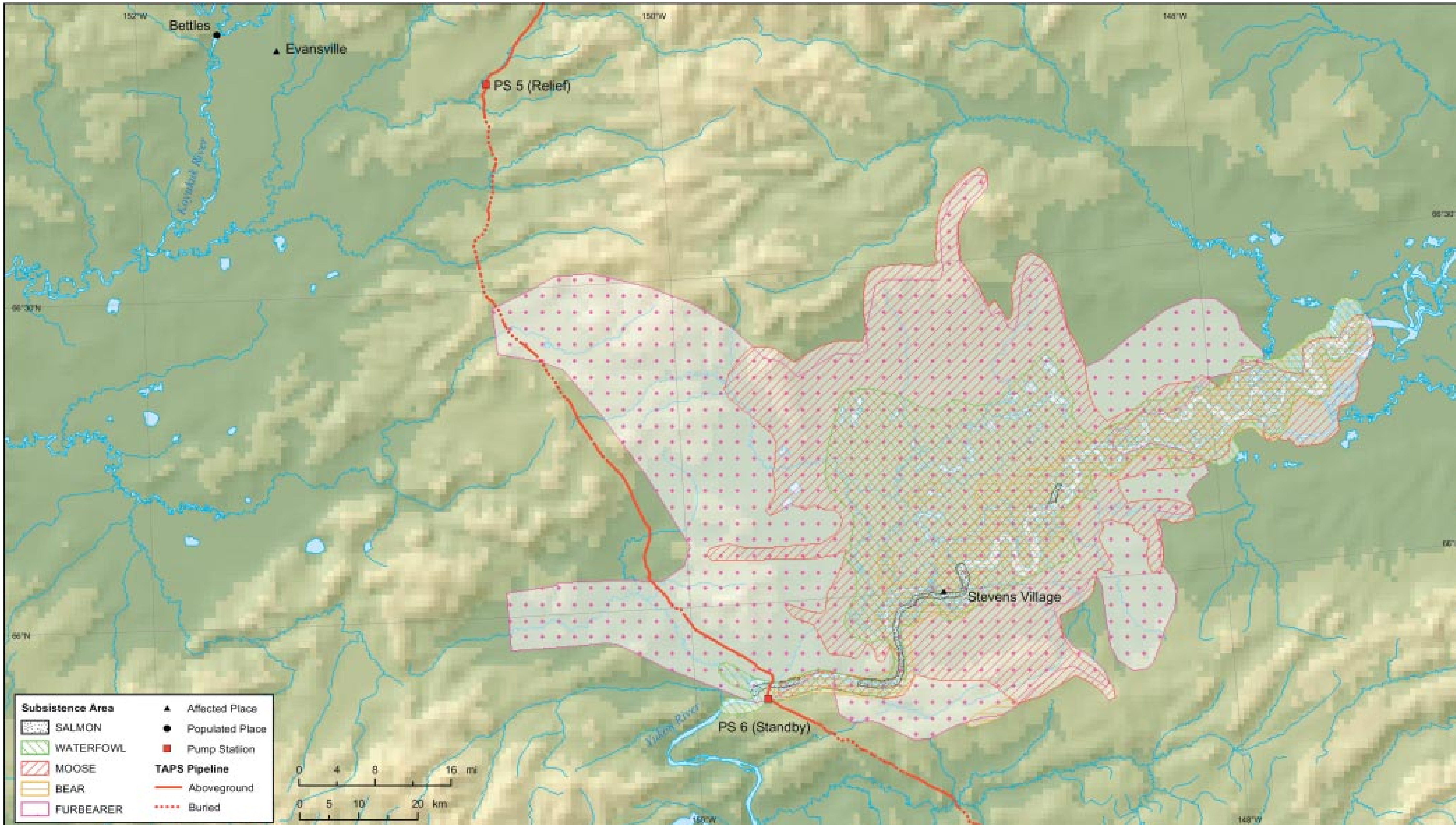
MAP D-8 Subsistence Use Areas Associated with Manley Hot Springs, 1975-1995 (Data Source: Betts 1997)



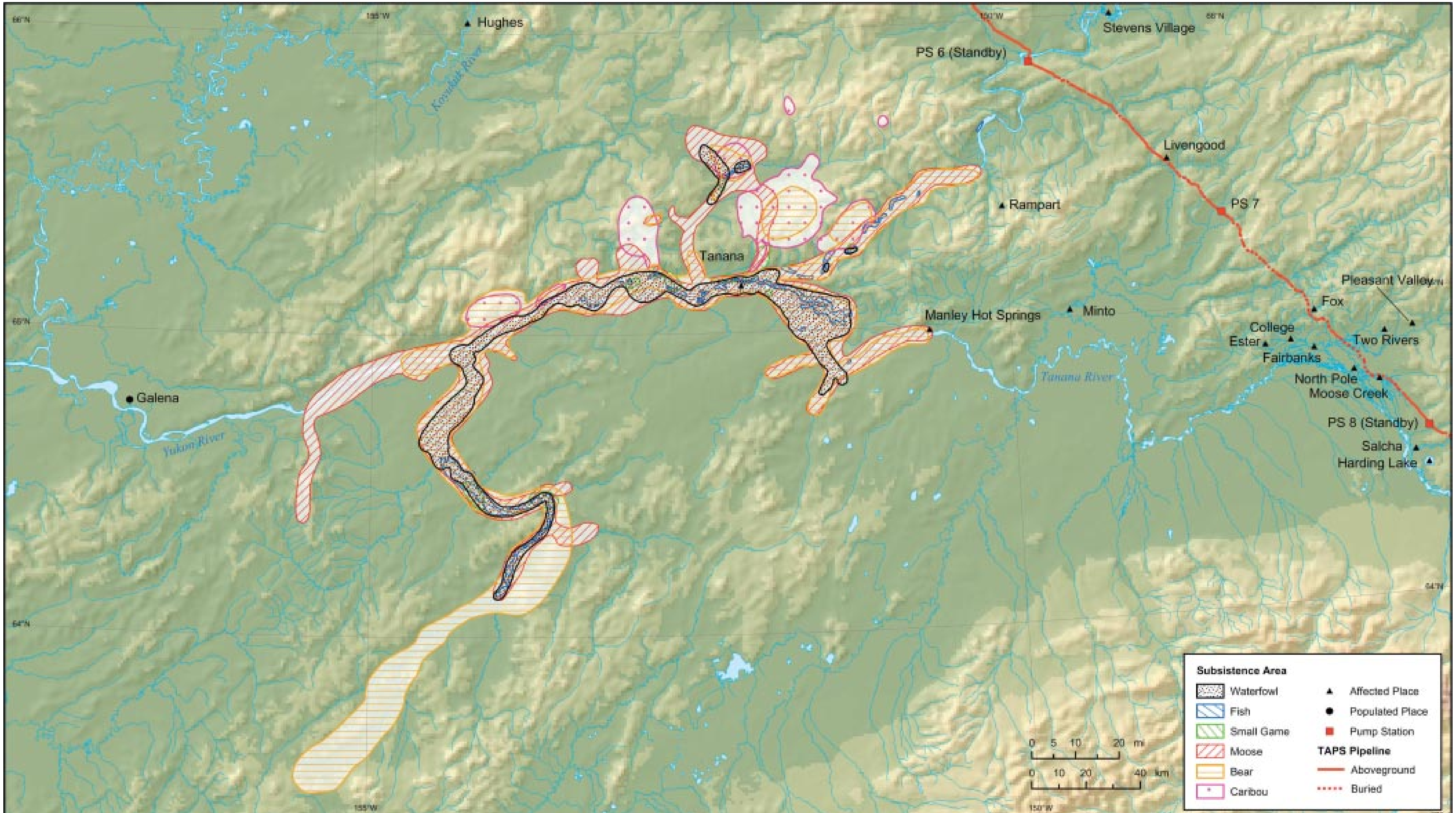
MAP D-9 Subsistence Use Areas Associated with Minto, 1960-1984 (Data Source: Andrews 1988)



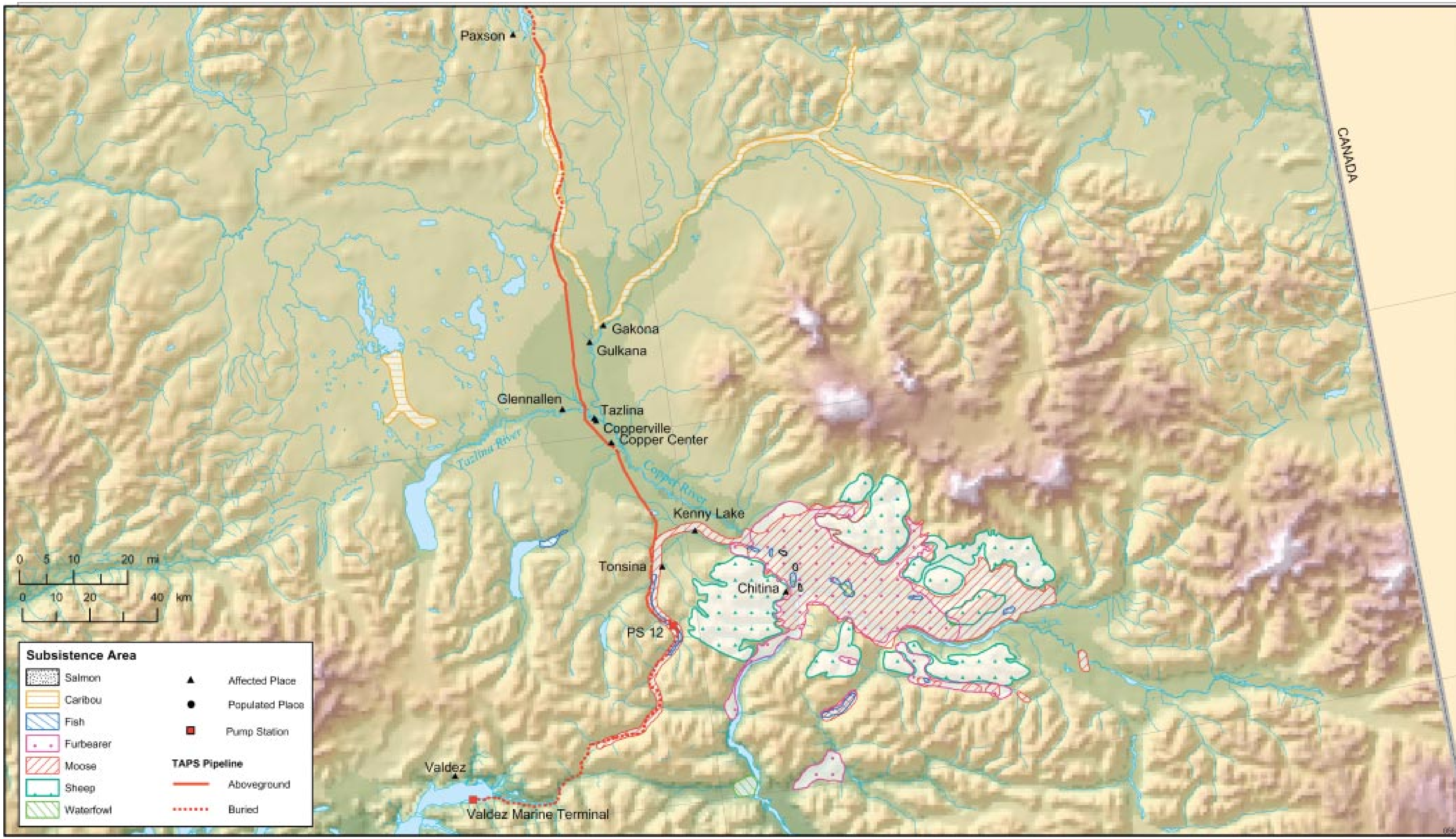
MAP D-10 Subsistence Use Areas Associated with Rampart, 1975-1995 (Data Source: Betts 1997)



MAP D-11 Subsistence Use Areas Associated with Stevens Village, 1974-1994 (Data Source: Sumida 1988)

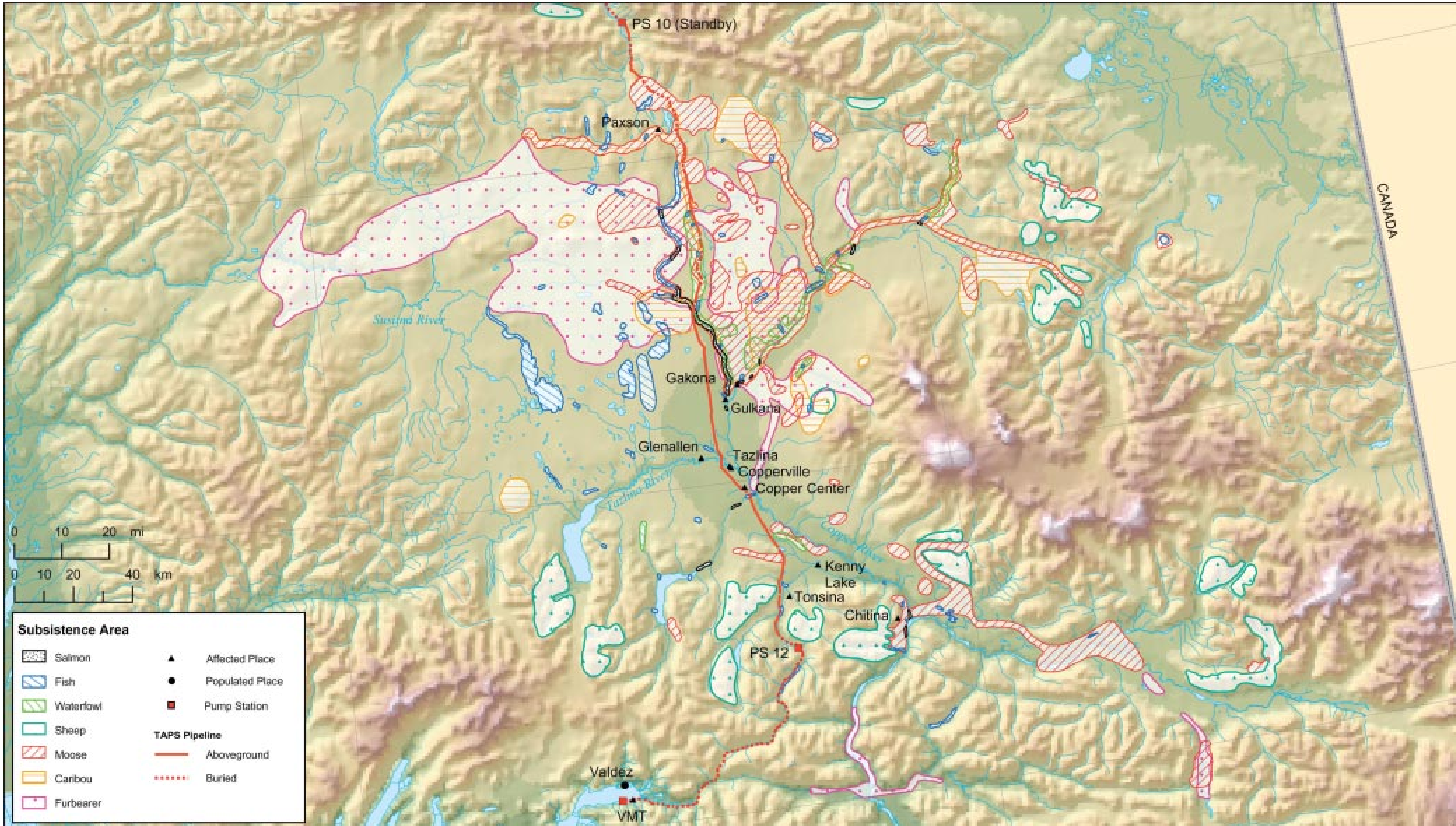


MAP D-12 Subsistence Use Areas Associated with Tanana, 1968-1988 (Data Source: ADF&G undated)

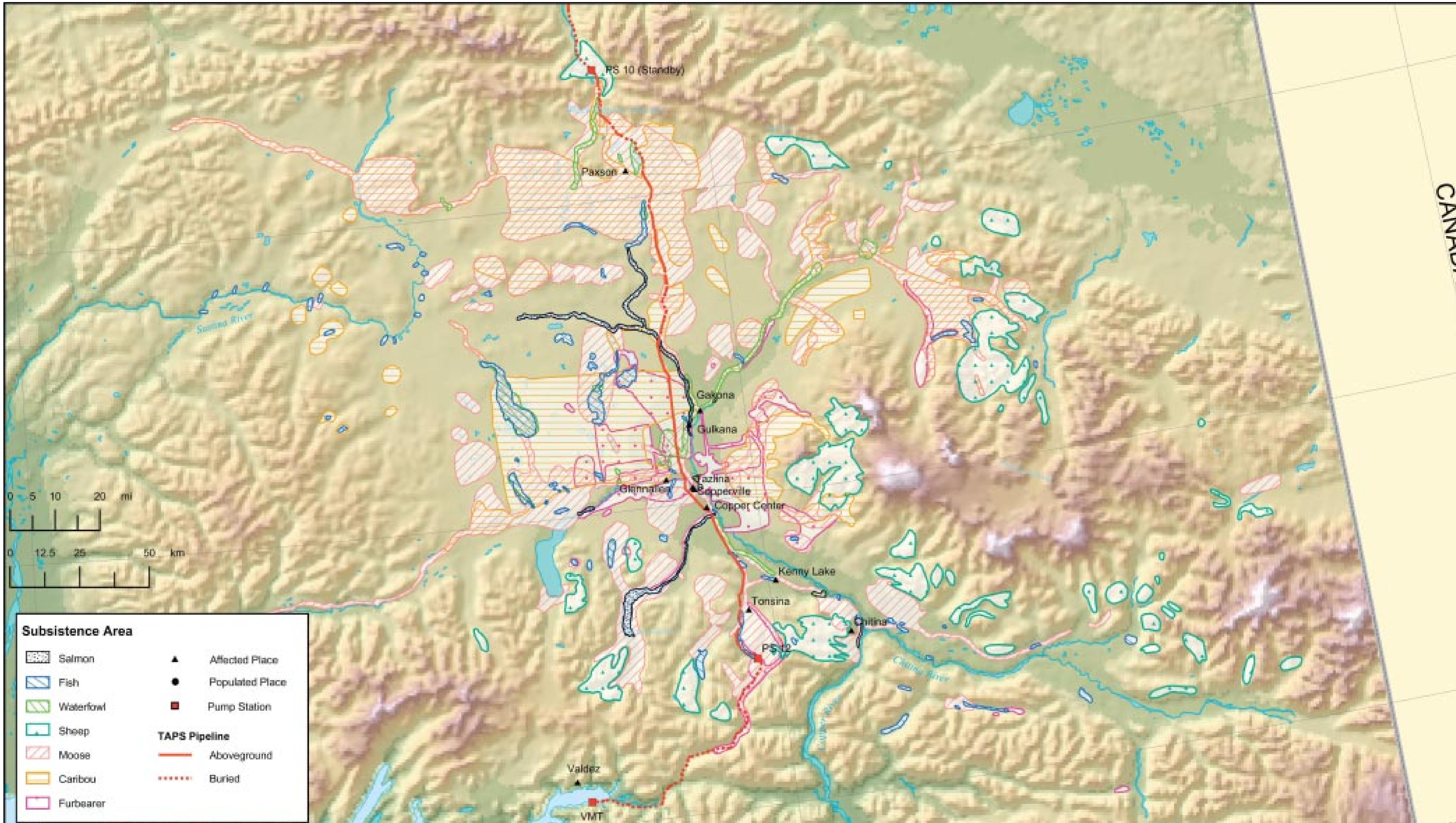


MAP D-13 Subsistence Use Areas Associated with Chitina, 1964-1984 (Data Source: ADF&G undated)

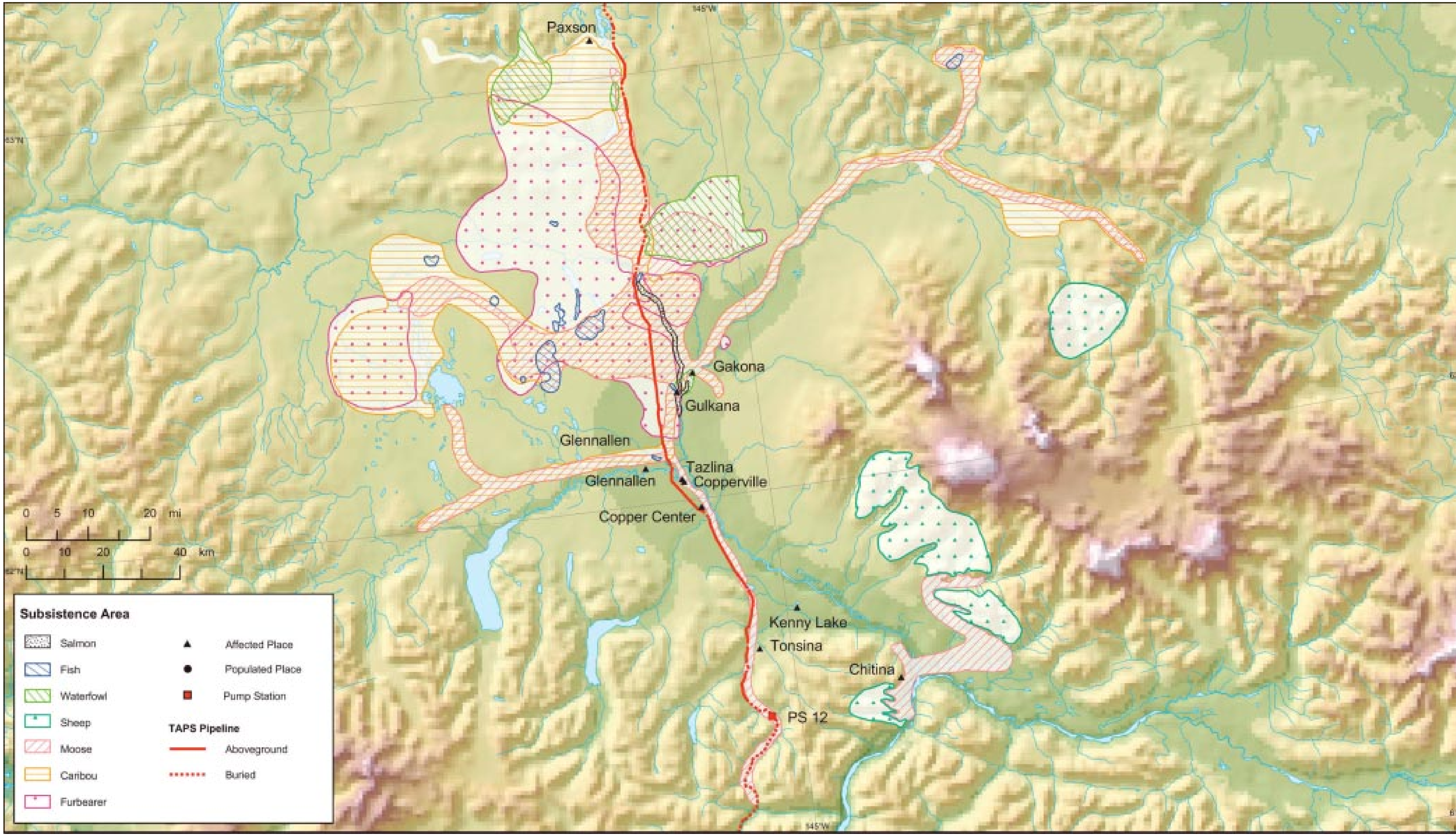
MAP D-14 Subsistence Use Areas Associated with Copper Center, 1964-1984 (Data Source: ADF&G undated)



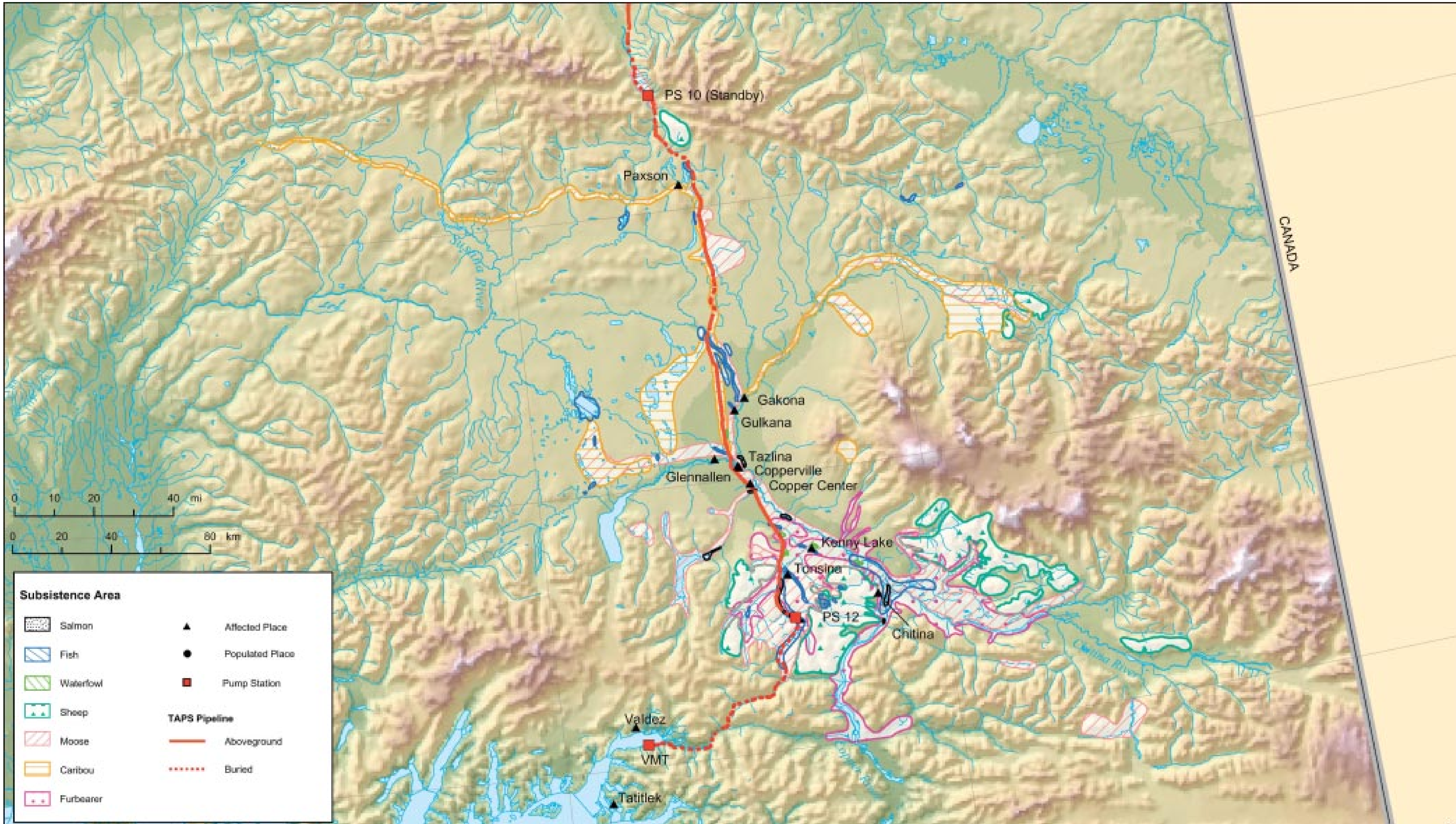
MAP D-15 Subsistence Use Areas Associated with Gakona, 1964-1984 (Data Source: ADF&G undated)



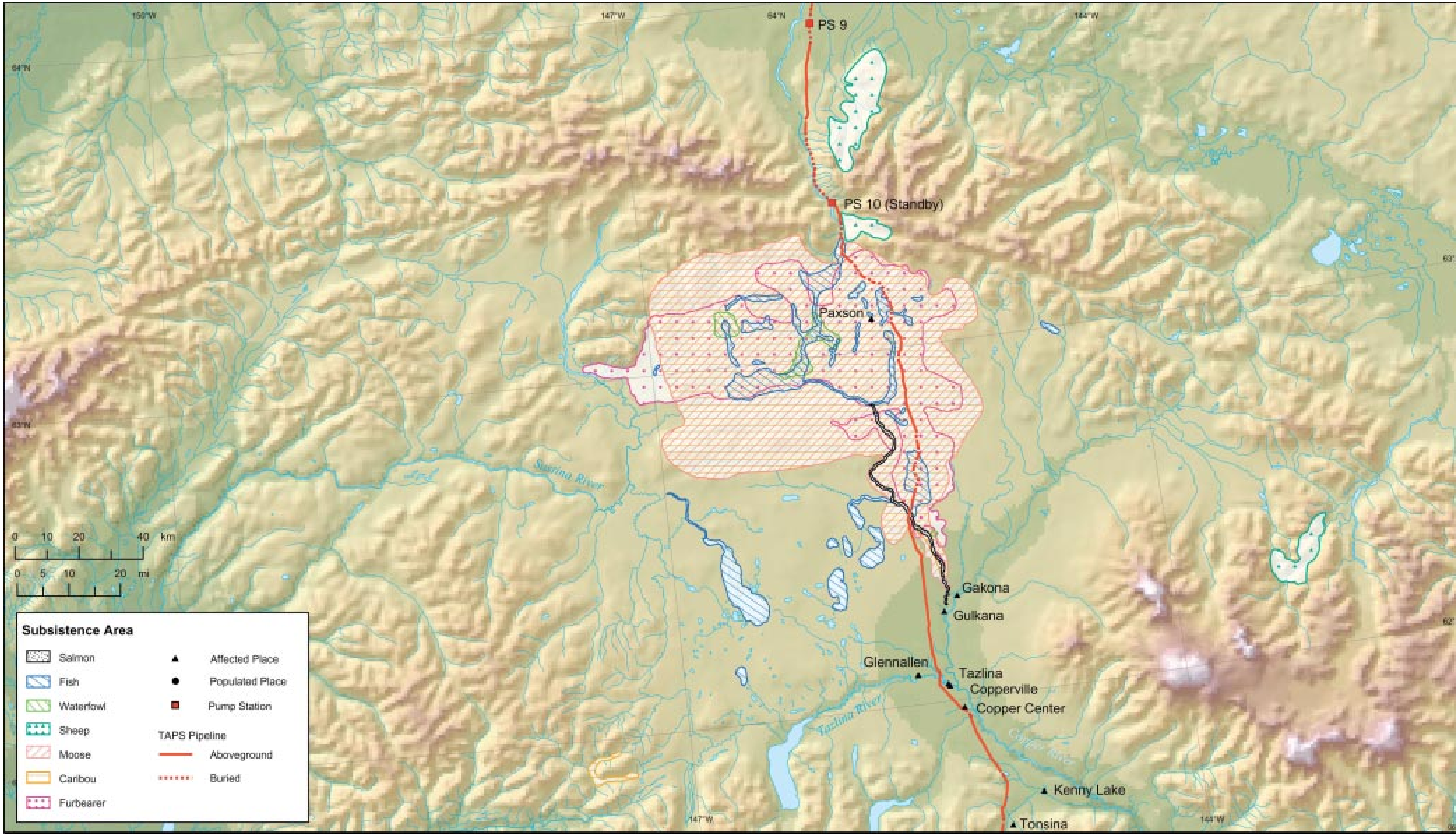
MAP D-16 Subsistence Use Areas Associated with Glennallen and Tazlina, 1964-1984 (Data Source: ADF&G undated)



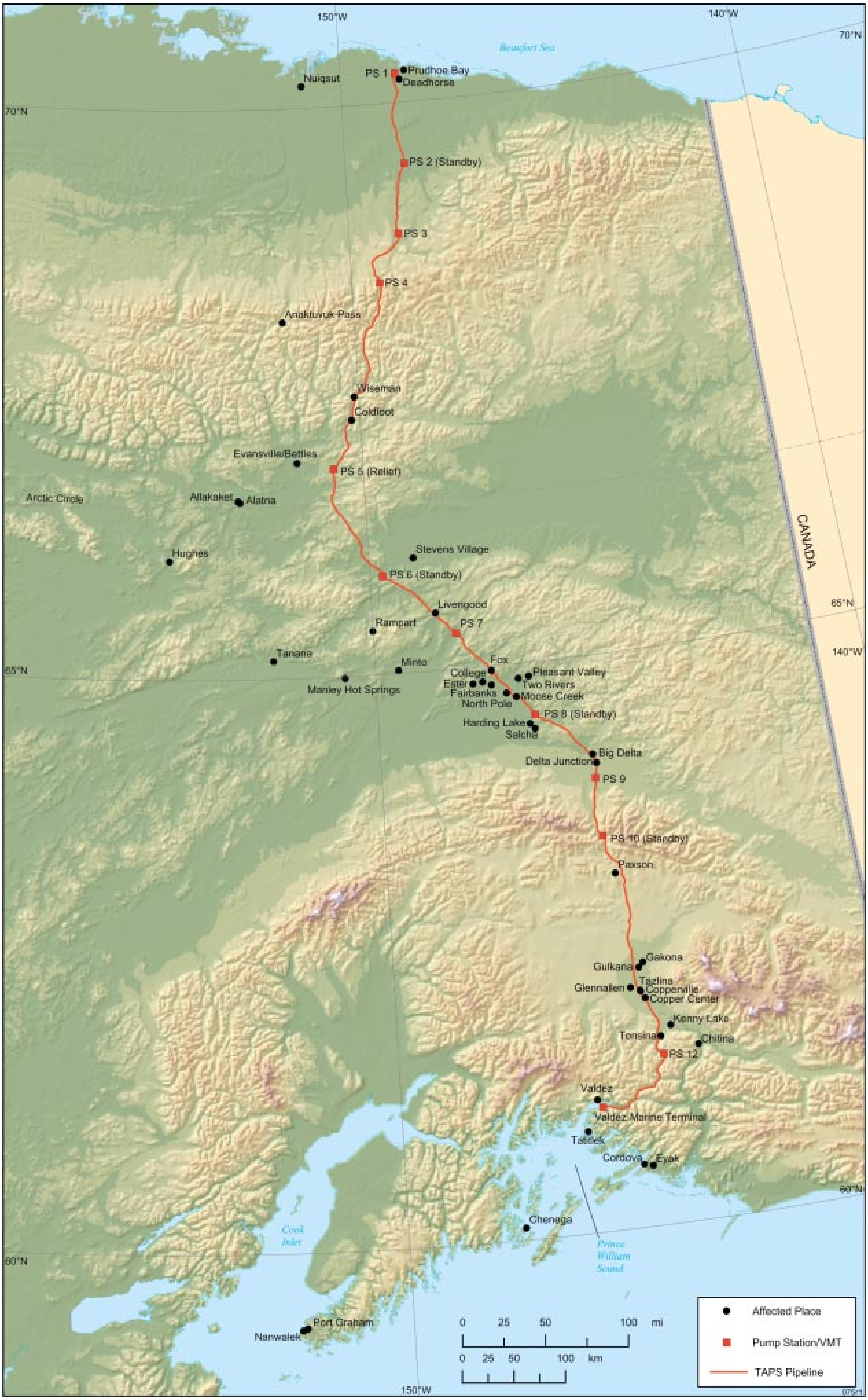
MAP D-17 Subsistence Use Areas Associated with Gulkana, 1964-1984 (Data Source: ADF&G undated)



MAP D-18 Subsistence Use Areas Associated with Kenny Lake, 1964-1984 (Data Source: ADF&G undated)



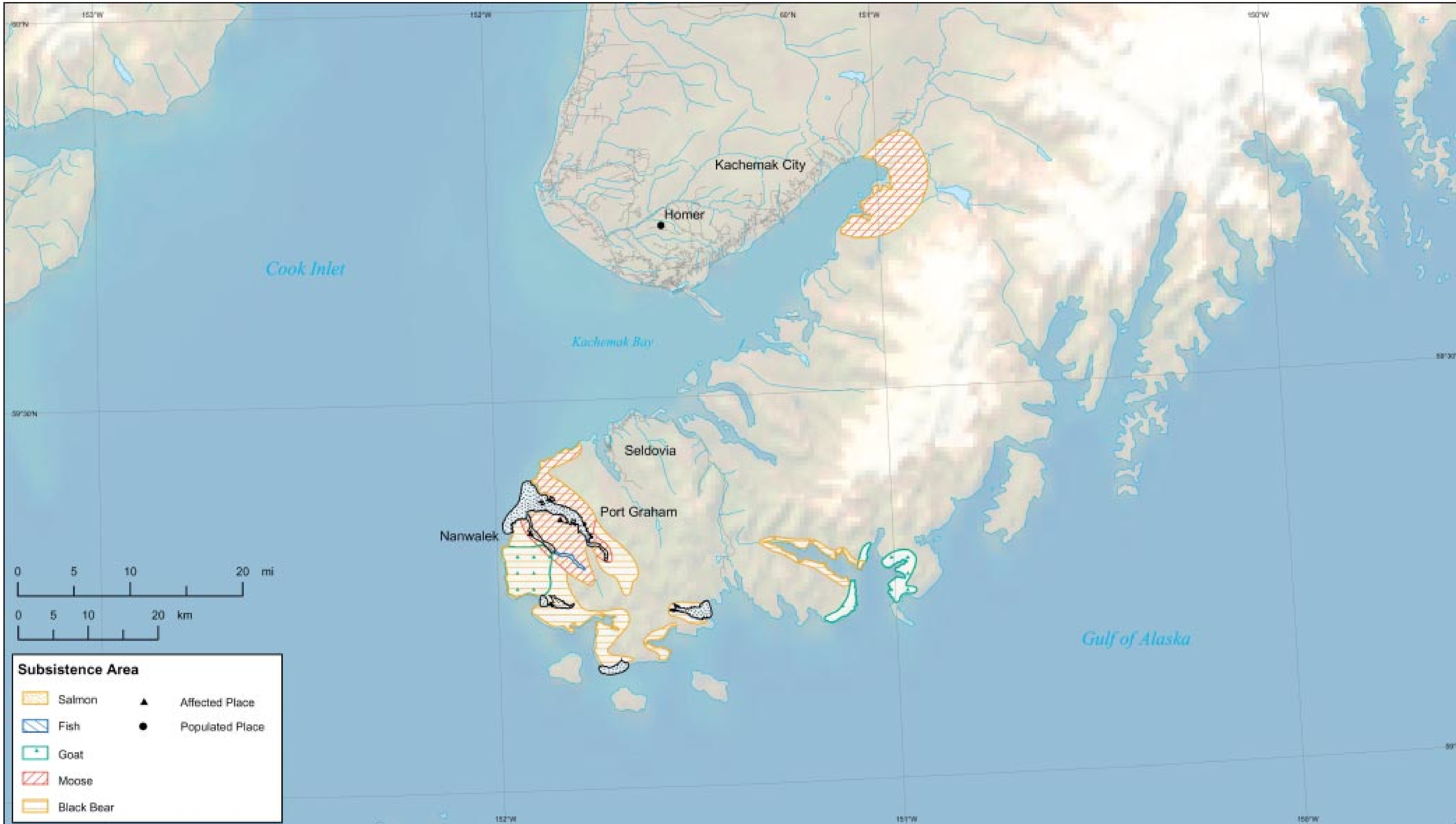
MAP D-19 Subsistence Use Areas Associated with Paxson, 1964-1984 (Data Source: ADF&G undated)



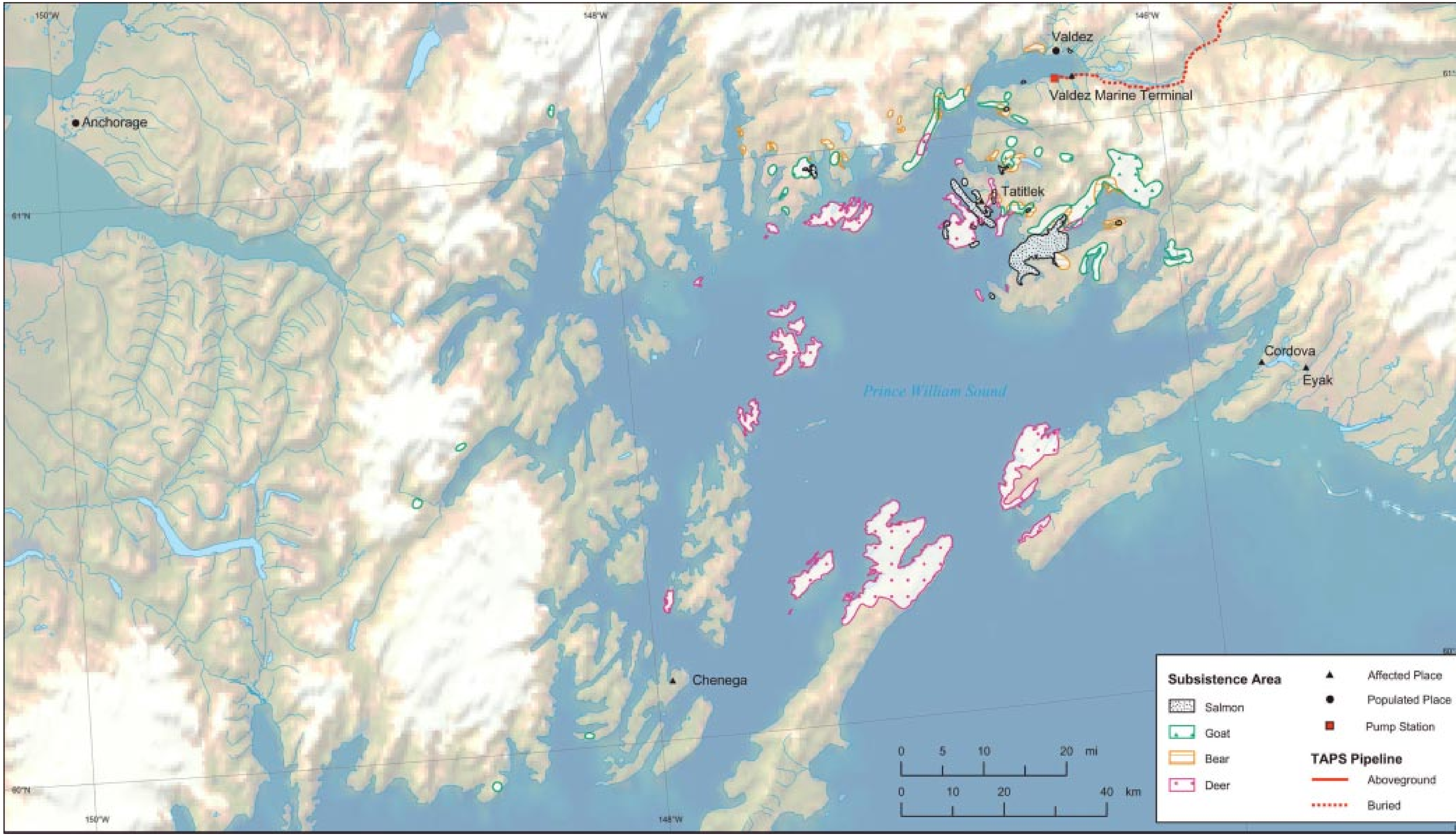
MAP D-20 Subsistence Use Areas Associated with Tonsina, 1964-1984 (Data Source: ADF&G undated)

MAP D-21 Subsistence Use Areas Associated with Chenega Bay, 1984-1986 (Data Source: ADF&G undated)

MAP D-22 Lifetime Subsistence Use Areas Associated with Cordova Residents Interviewed in the Late 1980s (Data Source: Preston 2002)



MAP D-23 Subsistence Use Areas Associated with Nanwalek and Port Graham (Data Source: ADF&G undated)



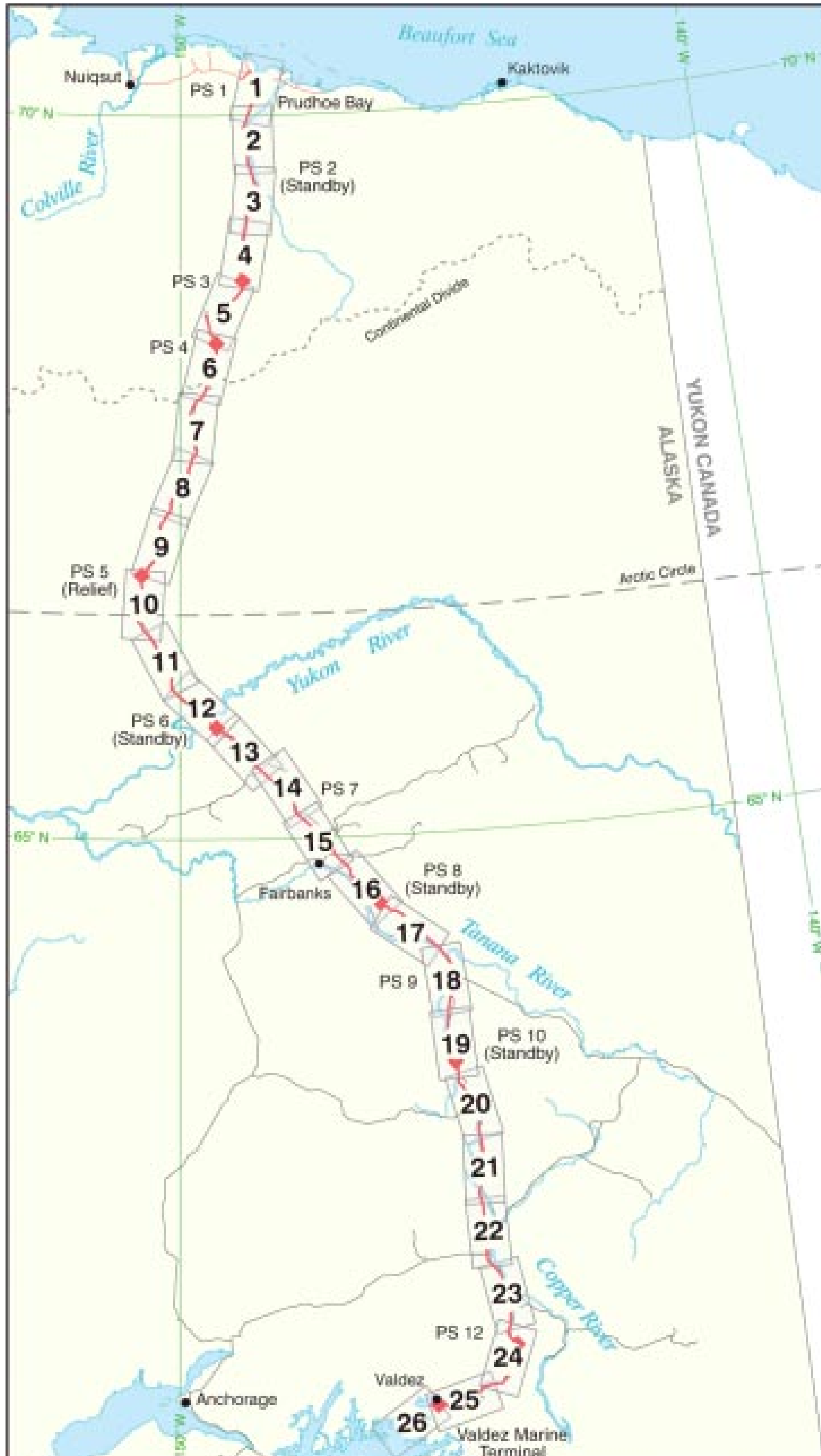
MAP D-24 Subsistence Use Areas Associated with Tatitlek, 1964-1984 (Data Source: ADF&G undated)

Part 2: TAPS ROW Map Atlas

This part of the map volume contains the TAPS ROW Map Atlas. It consists of a base key map and 26 location maps that cover the 800-mi length of the TAPS ROW. After the key map, Map 1 starts the series at the North Slope, and Map 26 ends the series at the south end at the beginning of the tanker lanes in Prince William Sound. The maps include the following information:

- TAPS pipeline and facilities, including pump stations, access roads, and material sites
- Topography
- Place names
- Water bodies and glaciers
- Public Land Survey System with township and range labeled
- Roads
- Land ownership of the ROW
- Locations of larger spills
- Visual resource locations
- Conservation system units
- Oil Spill Contingency Plan sites

The maps are plotted at a scale of 1:143,400 (approximately 1 inch = 2.25 miles).
The datum is NAD 27. The projection and the coordinate system are UTM Zone 5.



Base Map

	Block Point
OMS 63-1	Material Site
SWDS 100-1	Solid Waste Disposal Site
S	Scenic Overlook
2	Highway Number
275	Milepost
	Highway along the TAPS
	Access Road along the TAPS
	Road/Highway
	Gravel Access Road
	Trail
	Aboveground Pipeline
	Buried Pipeline

Oil Spill Contingency Plan Sites

7-41	Planned Response Site with Helicopter Landing Location
5-10	Equipment Storage Container
8-6	Culvert and Sand Bags for Deep Narrow Streams
8-5	Portable Anchor for Braided Streams with Varying Channels
8-6A	Portable Anchor/Equipment Storage Container
	Conservation System Units in the Vicinity of the TAPS

Land Status

AHTNA	Ahtna, Inc. (Native Corporation)
APSC	Alyeska Pipeline Service Company
BLM	U.S. Department of Interior, Bureau of Land Management
BRTS	Black Rapids Training Site
CAC	Chugach Alaska Corporation (Native Corporation)
CIRI	Cook Inlet Region Inc.
CRLFCP	Chena River Lake Flood Control Project
EAFB	Eielson Air Force Base
FNSB	Fairbanks North Star Borough
GVEA	Golden Valley Electric Association
MHLT	Mental Health Land Trust
MOV	Municipality of Valdez
P-#	Private Land Owners
P-#-ANA	Private – Alaska Native Allotment
P-#-MC	Private Mining Claim
P-SUB	Private Subdivision
STATE	State of Alaska
STATE-SUB	State Subdivision
USACE	U.S. Army Corps of Engineers
USFS	U.S. Forest Service
U of A	University of Alaska
#	Denotes the number of mining claims or property owners within an area

Abbreviations

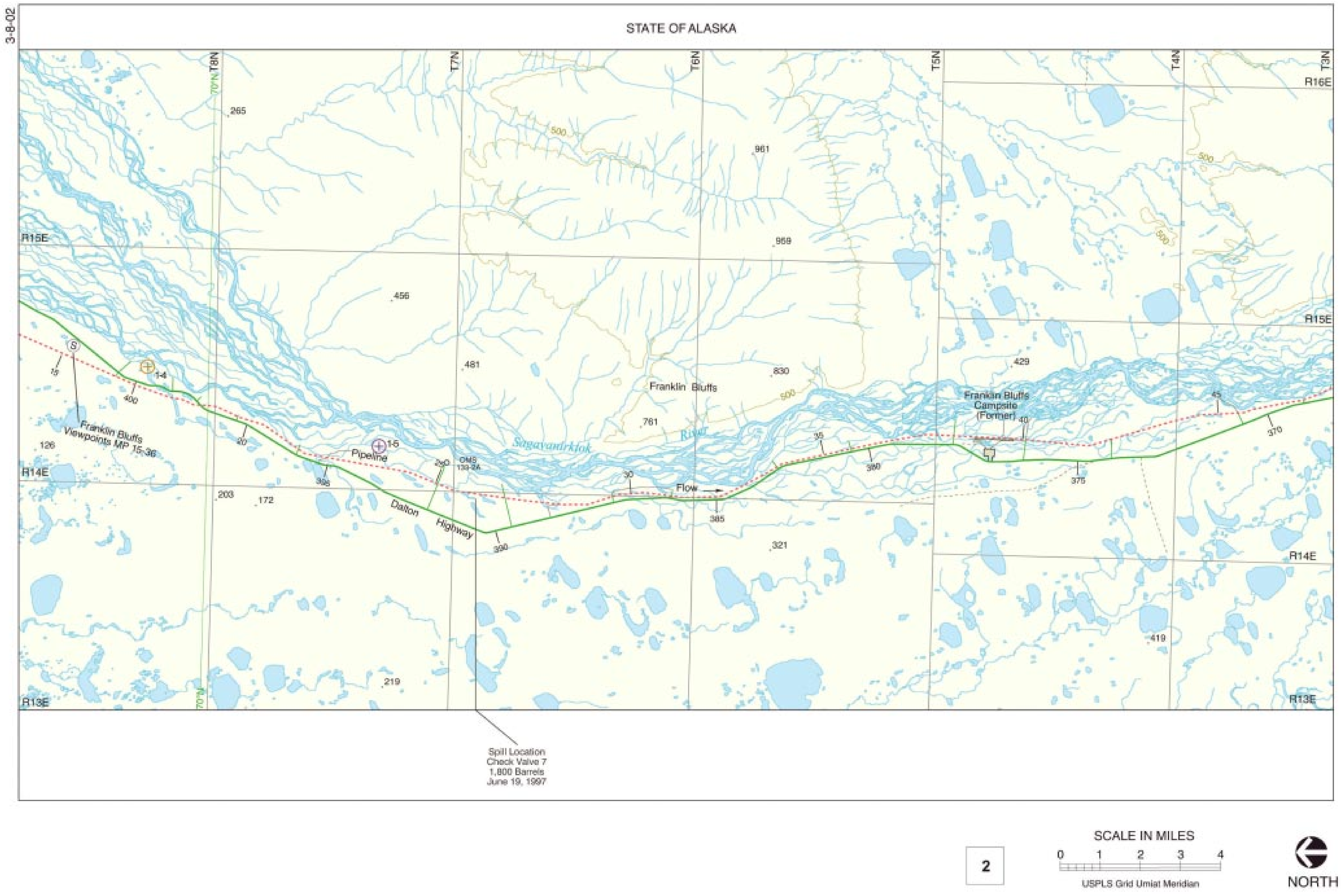
B/G	Big Game
OMS	Operations Material Site
SWDS	Solid Waste Disposal Site

OWNERSHIP - MARCH 8, 2002	APSC	STATE OF ALASKA

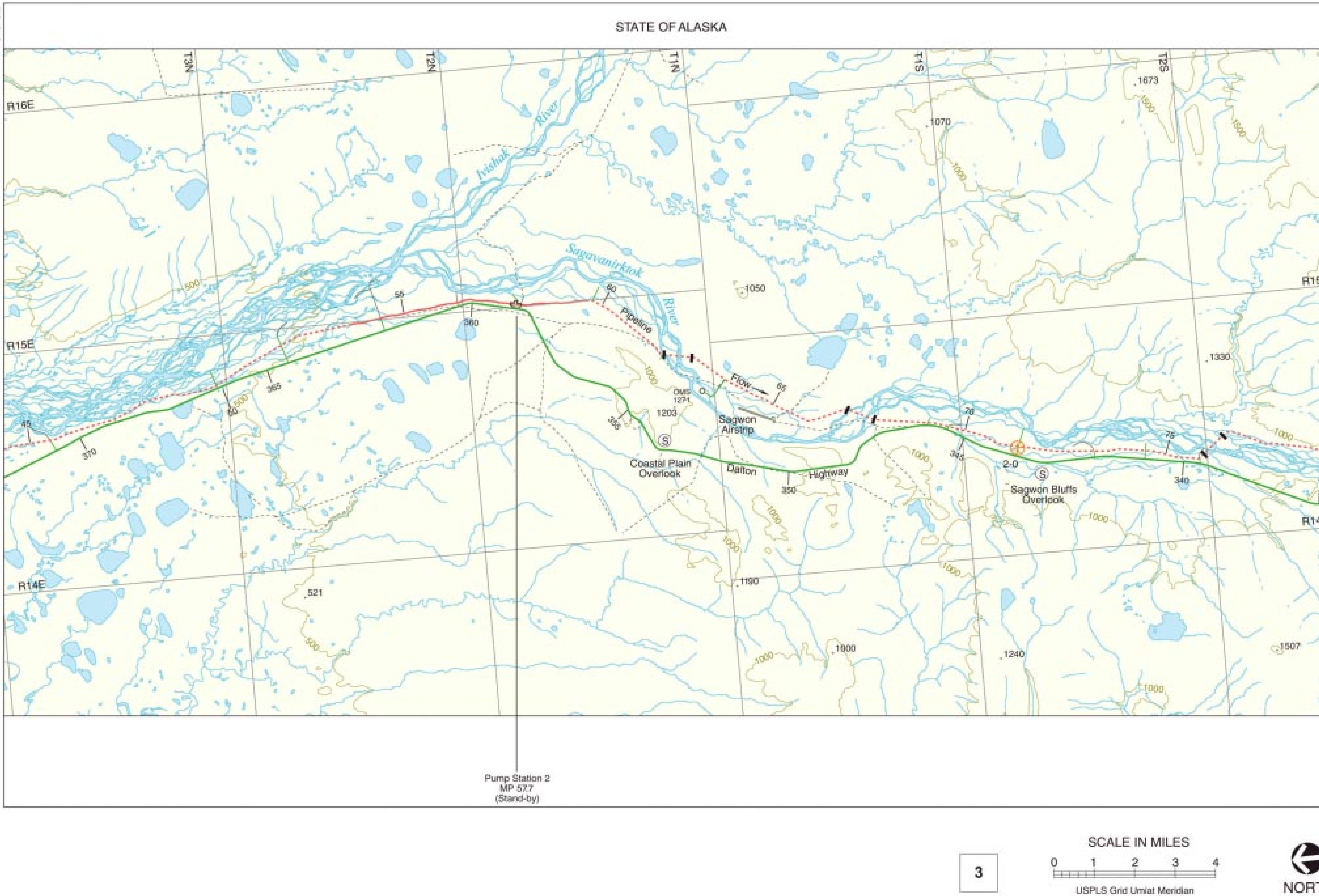
1

SCALE IN MILES
0 1 2 3 4
USPLS Grid Umiat Meridian

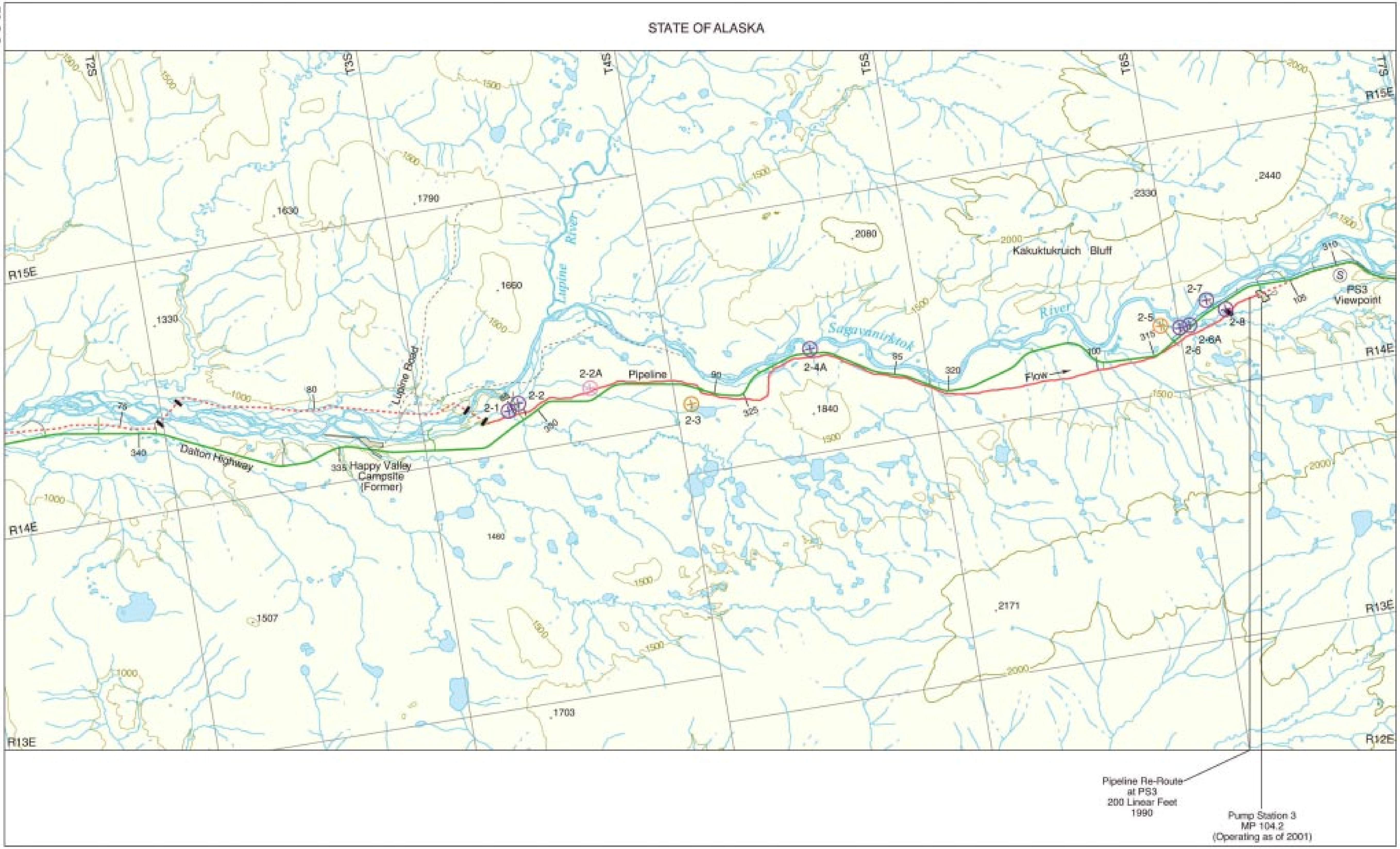
NORTH


3-8-02
STATE OF ALASKA
T8N
T7N
T6N
T5N
T4N
T3N
R16E
R15E
R14E
R13E
70°N
265
961
959
456
481
830
429
761
126
203
172
219
321
419
500
Franklin Bluffs
Franklin Bluffs Campsite (Former)
Franklin Bluffs Viewpoints MP 15-36
Sagavanirktok River
Pipeline
Dalton Highway
Flow
OMS 139-2A
1-4
1-5
400
395
390
385
380
375
370
Spill Location
Check Valve 7
1,800 Barrels
June 19, 1997
2
SCALE IN MILES
0 1 2 3 4
USPLS Grid Umiat Meridian
NORTH

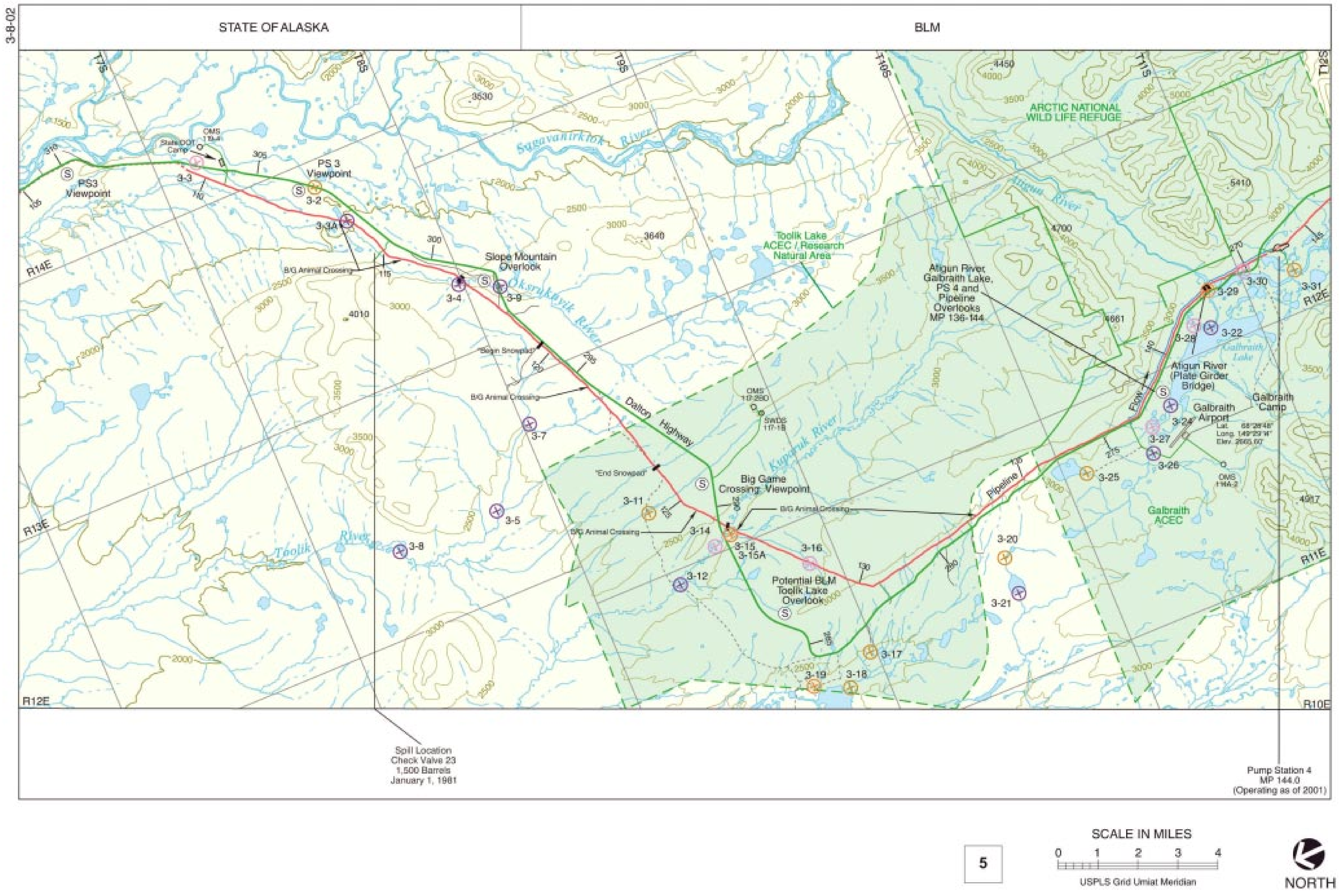
3-8-02


STATE OF ALASKA
T3N
T2N
T1N
T1S
T2S
R16E
R15E
R14E
Ivishak River
Sagavanirktok River
Pipeline
Flow
Sagwon Airstrip
Coastal Plain Overlook
Dalton Highway
Sagwon Bluffs Overlook
2-0
OMS 1271
1203
1673
1070
1050
1330
1190
521
1000
1240
1507
Pump Station 2
MP 57.7
(Stand-by)
3
SCALE IN MILES
0 1 2 3 4
USPLS Grid Umiat Meridian
NORTH

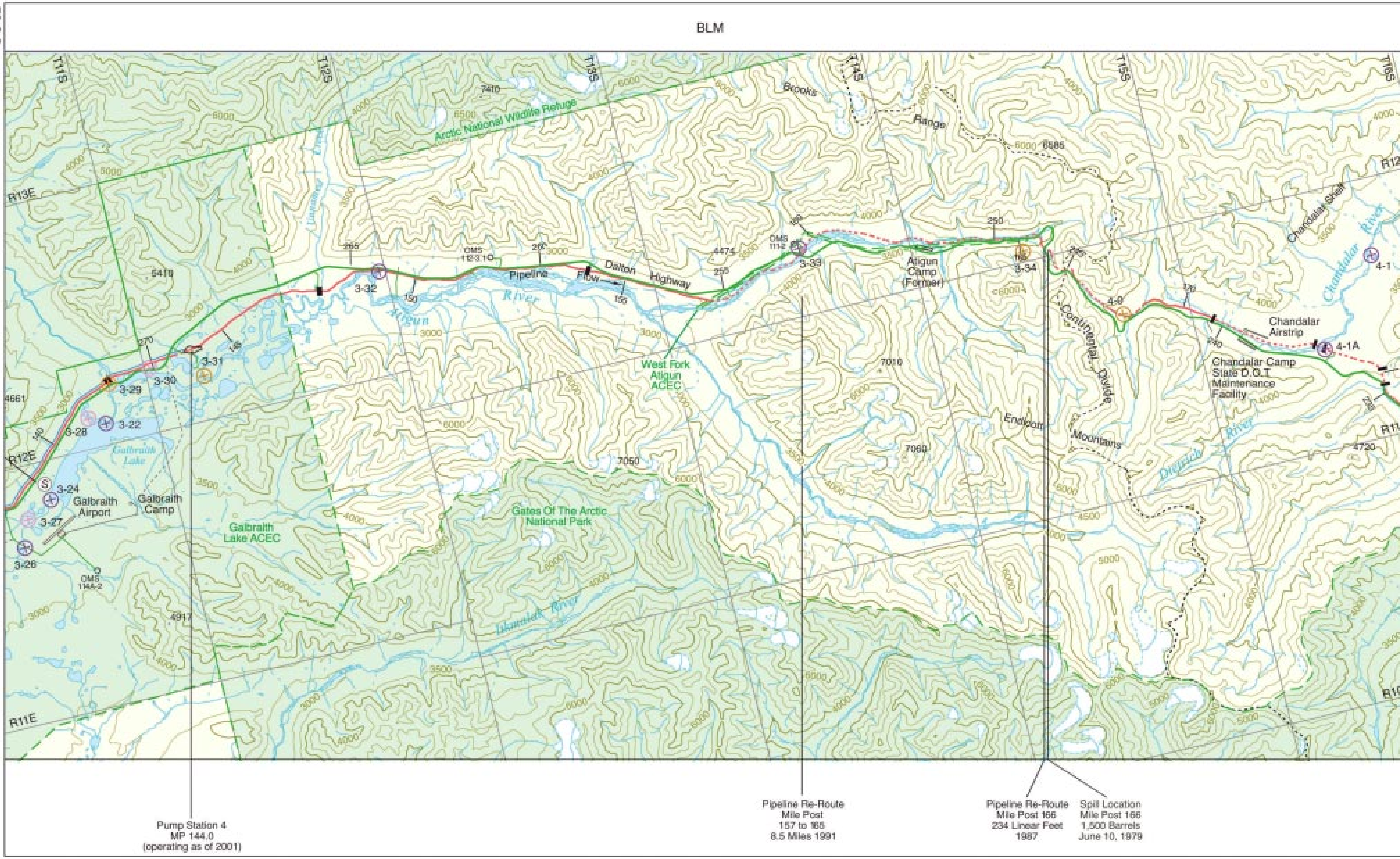
3-8-02



STATE OF ALASKA
T2S
T3S
T4S
T5S
T6S
T7S
R15E
R14E
R13E
R12E
Lupine River
Lupine Road
Sagavanirktok River
Kakuktukruich Bluff
Dalton Highway
Happy Valley Campsite (Former)
Pipeline
Flow
PS3 Viewpoint
2-1
2-2
2-2A
2-3
2-4A
2-5
2-6
2-6A
2-7
2-8
1630
1790
1660
1330
2080
2330
2440
1840
1460
1507
1703
2171
Pipeline Re-Route at PS3 200 Linear Feet 1990
Pump Station 3 MP 104.2 (Operating as of 2001)
SCALE IN MILES
0 1 2 3 4
USPLS Grid Umiat Meridian
NORTH


3-8-02
STATE OF ALASKA
BLM
ARCTIC NATIONAL WILD LIFE REFUGE
Sagavanirktok River
Atigun River
Oksrukuyik River
Kuparuk River
Toolik River
Galbraith Lake
Toolik Lake ACEC / Research Natural Area
Galbraith ACEC
PS3 Viewpoint
PS 3 Viewpoint
State DOT Camp
Slope Mountain Overlook
B/G Animal Crossing
"Begin Snowpad"
"End Snowpad"
Dalton Highway
Big Game Crossing Viewpoint
Potential BLM Toolik Lake Overlook
Atigun River, Galbraith Lake, PS 4 and Pipeline Overlooks MP 136-144
Atigun River (Plate Girder Bridge)
Galbraith Airport
Galbraith Camp
Pipeline
Flow
Spill Location
Check Valve 23
1,500 Barrels
January 1, 1981
Pump Station 4
MP 144.0
(Operating as of 2001)
T7S
T8S
T9S
T10S
T11S
T12S
R14E
R13E
R12E
R11E
R10E
SCALE IN MILES
0 1 2 3 4
USPLS Grid Umiat Meridian
NORTH
5

3-8-02



6

SCALE IN MILES

0 1 2 3 4

USPLS Grid Umiat Meridian

NORTH

3-8-02

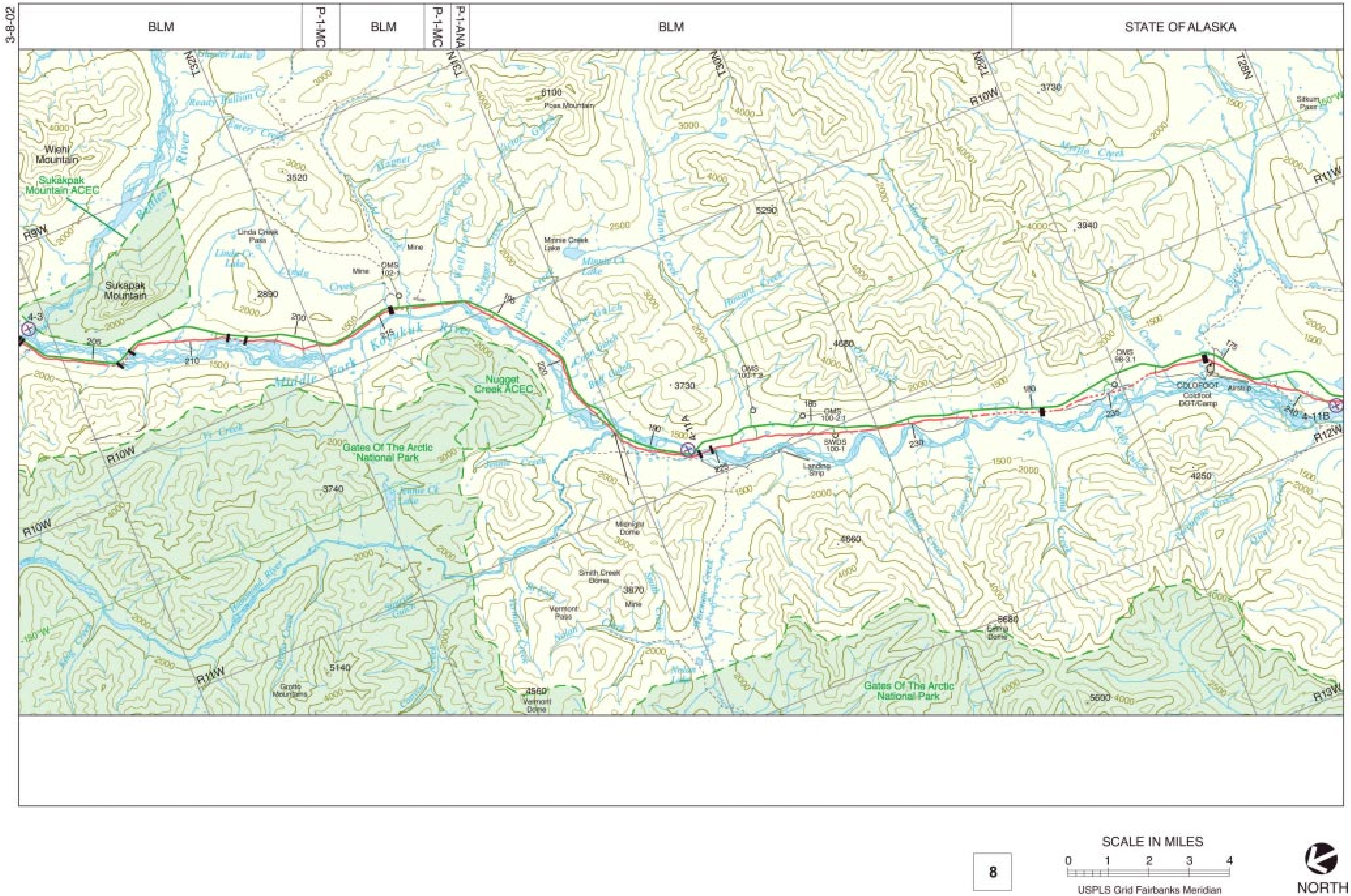
7

SCALE IN MILES

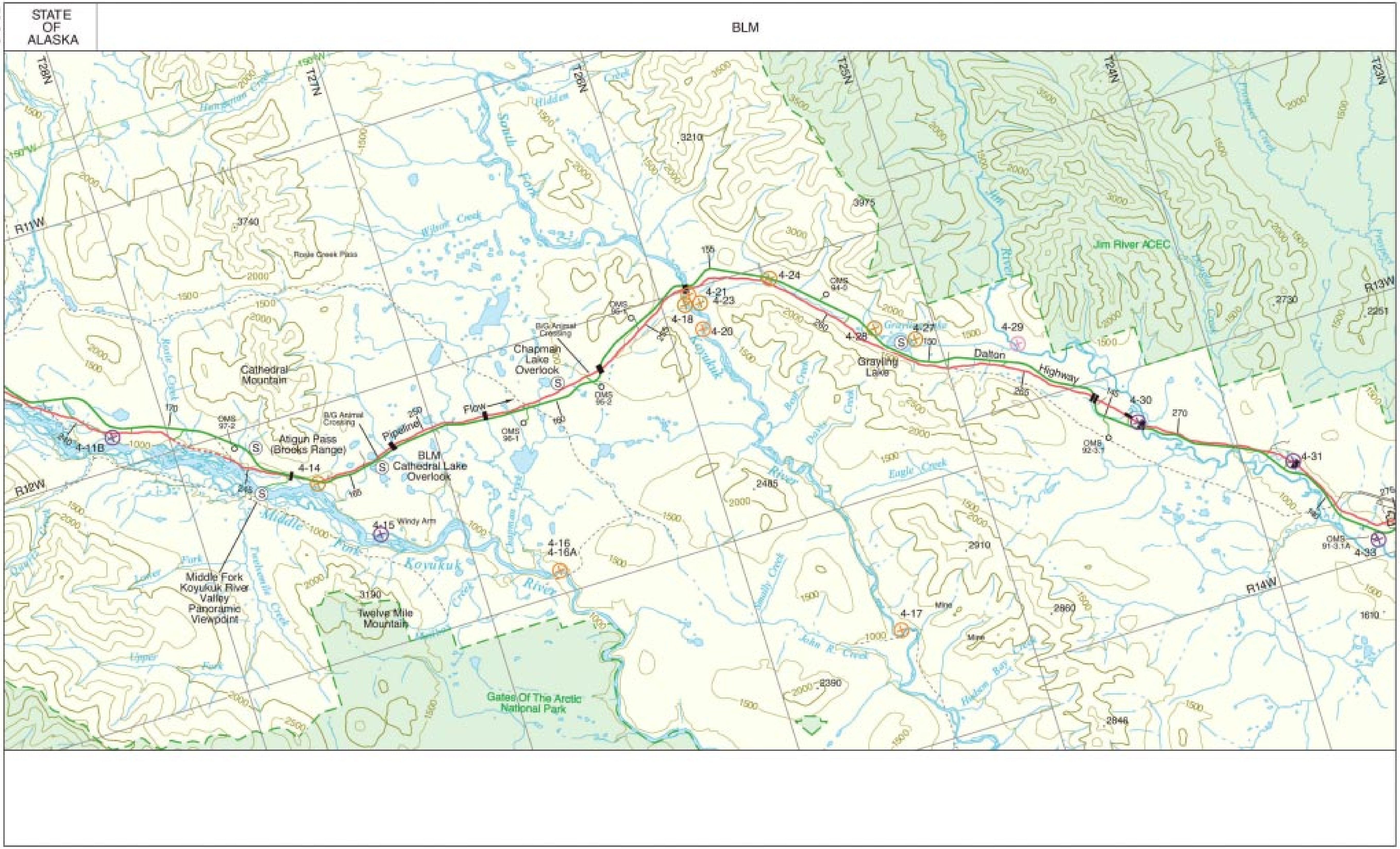
0 1 2 3 4

USPLS Grid Umiat & Fairbanks Meridians

NORTH


3-8-02
BLM
P-1-MC
BLM
P-1-MC
P-1-ANA
BLM
STATE OF ALASKA
T32N
T31N
T30N
T29N
T28N
R9W
R10W
R11W
R12W
R13W
Wiehl Mountain
Sukakpak Mountain ACEC
Sukakpak Mountain
Linda Creek Pass
Linda Cr. Lake
Linda Creek
Bettles River
Emery Creek
Magnet Creek
Mine
OMS 102-1
6100
Poss Mountain
3520
2890
Minnie Creek Lake
Minnie Ck Lake
Minnie Creek
Nugget Creek ACEC
Middle Fork Koyukuk River
Gates Of The Arctic National Park
3740
5290
3730
4680
OMS 100-1-2
OMS 100-2-1
SWDS 100-1
Landing Strip
Hammond River
Midnight Dome
Smith Creek Dome
3870
Vermont Pass
Nolan Creek
5140
Grotto Mountains
4560
Vermont Dome
4660
5680
Emma Dome
5600
3730
3940
OMS 98-3-1
COLDFOOT
Coldfoot DOT/Camp
Airstrip
4250
Sikum Pass
Slate Creek
Marion Creek
Kelly Gulch
4-3
4-11A
4-11B
SCALE IN MILES
0 1 2 3 4
USPLS Grid Fairbanks Meridian
8
NORTH

3-8-02



9

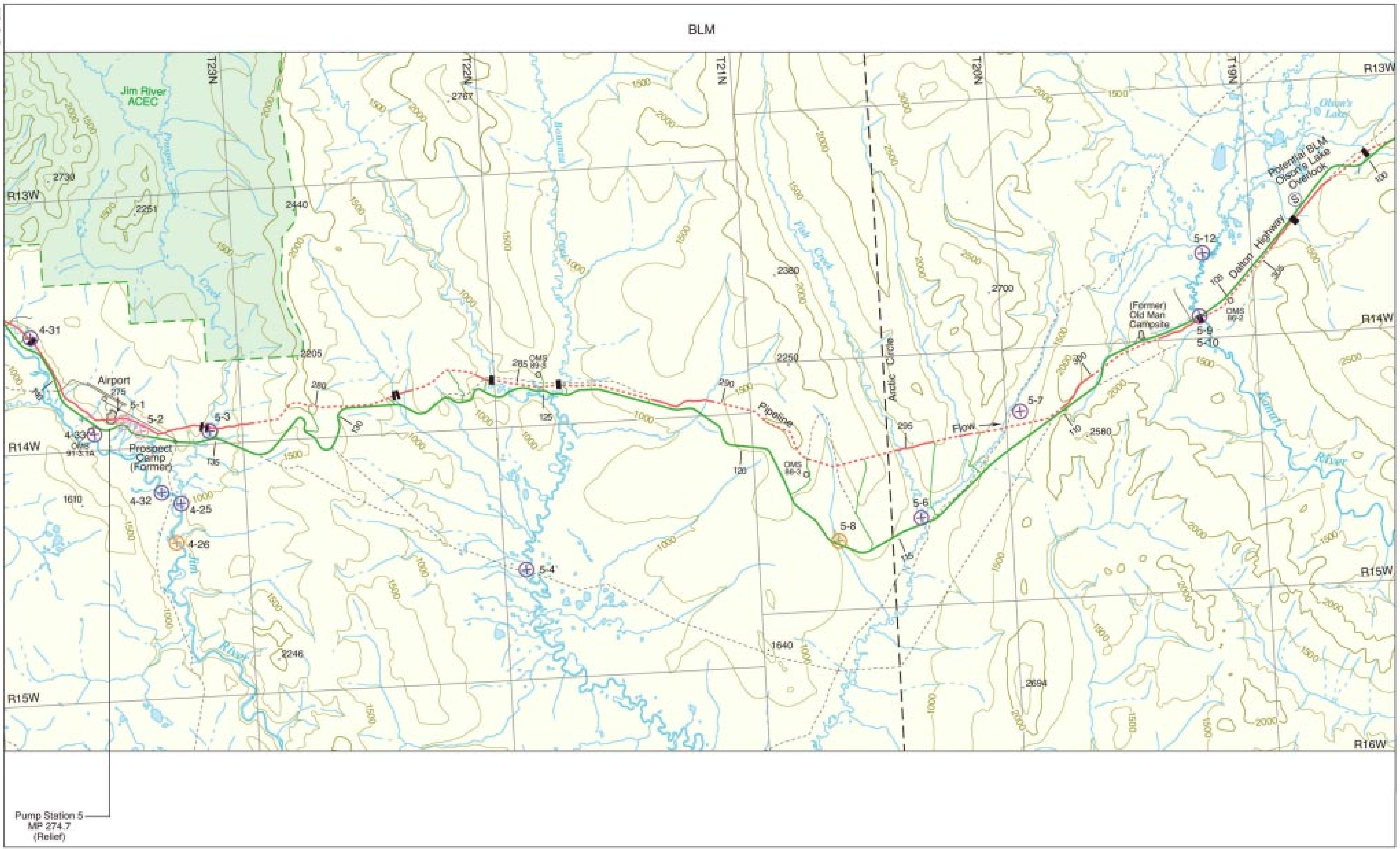
SCALE IN MILES

0 1 2 3 4

USPLS Grid Fairbanks Meridian

NORTH

3-8-02



10

SCALE IN MILES

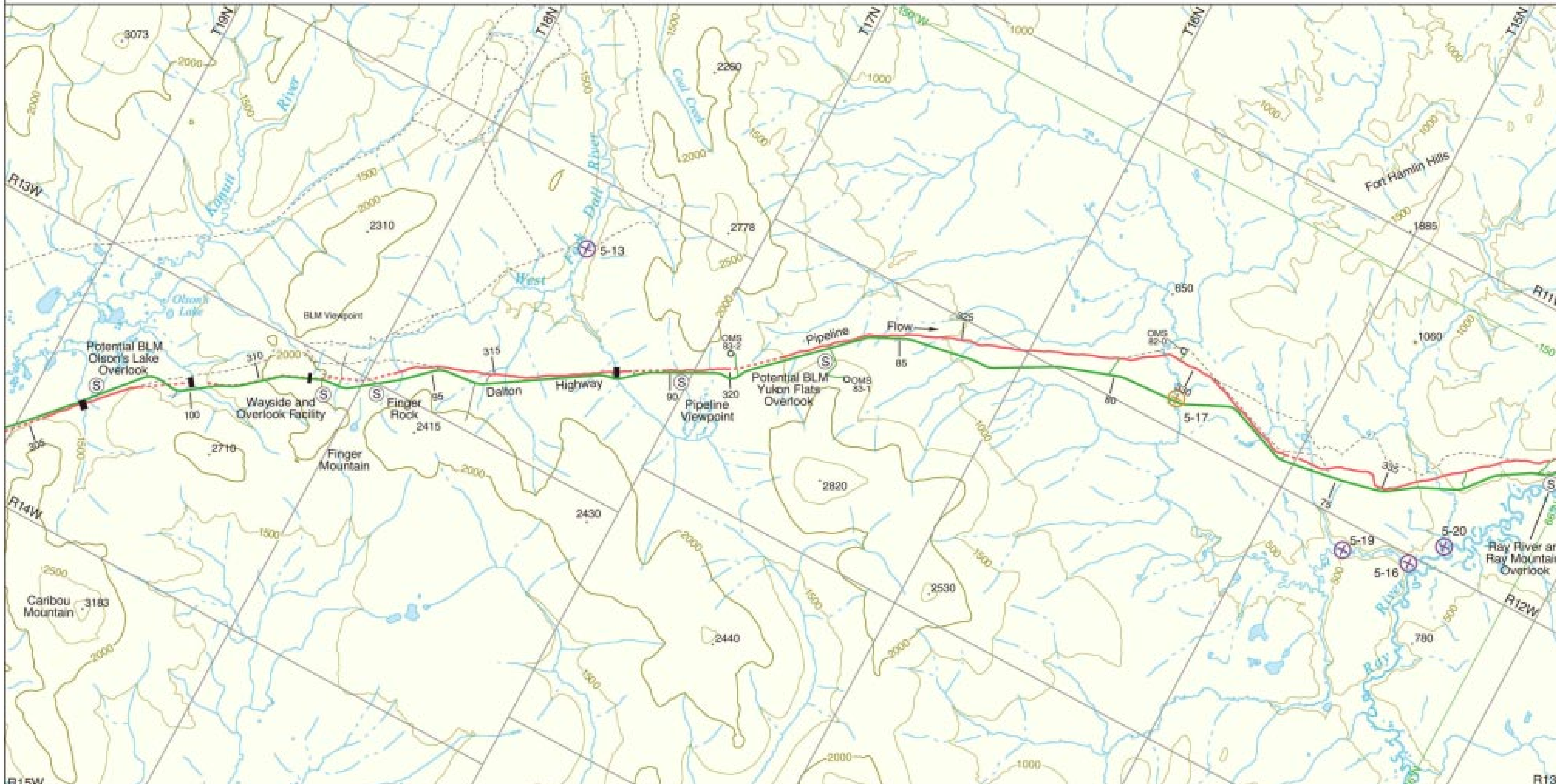
0 1 2 3 4

USPLS Grid Fairbanks Meridian

NORTH

3-8-02

BLM



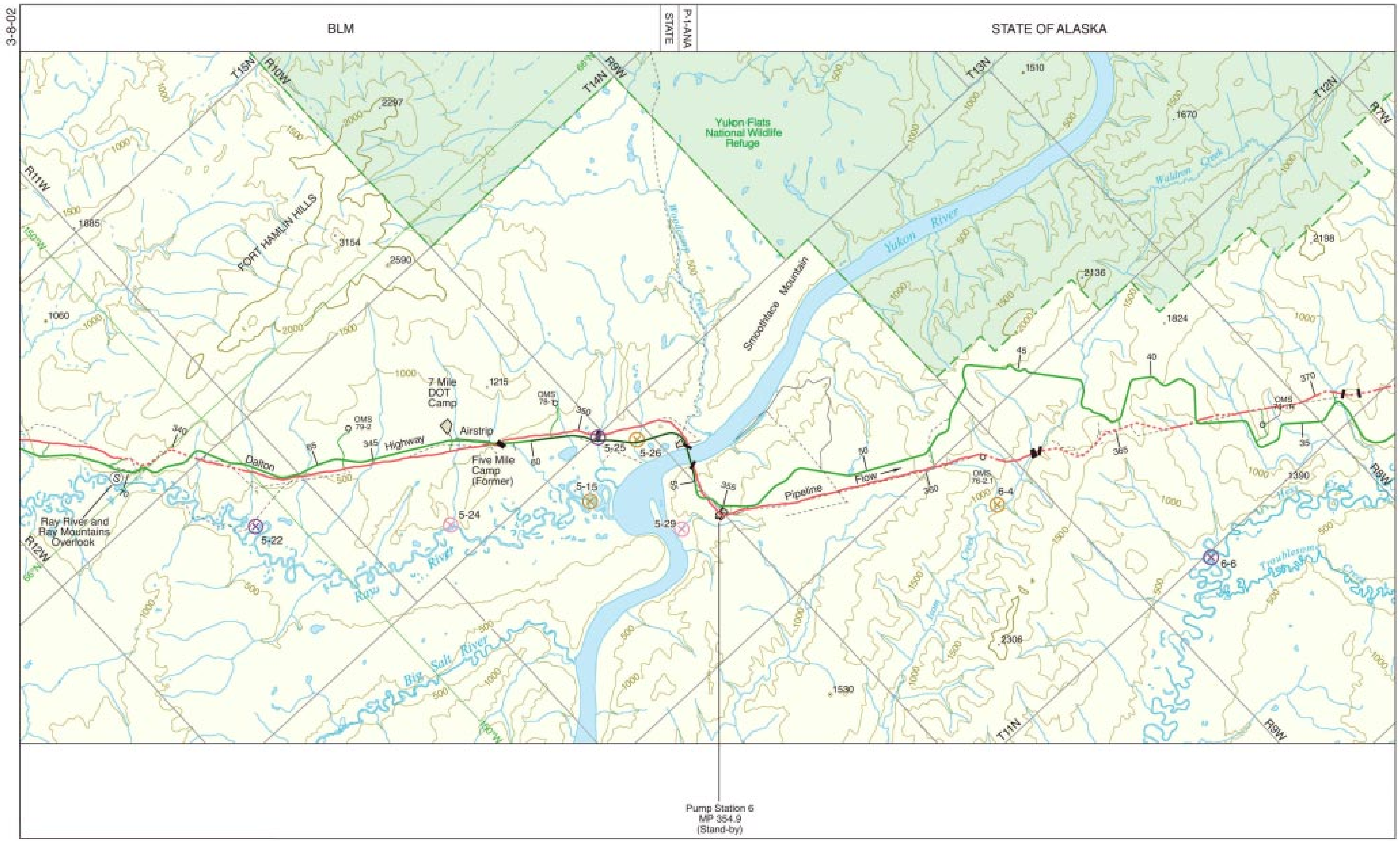
11

SCALE IN MILES

0 1 2 3 4

USPLS Grid Fairbanks Meridian

NORTH

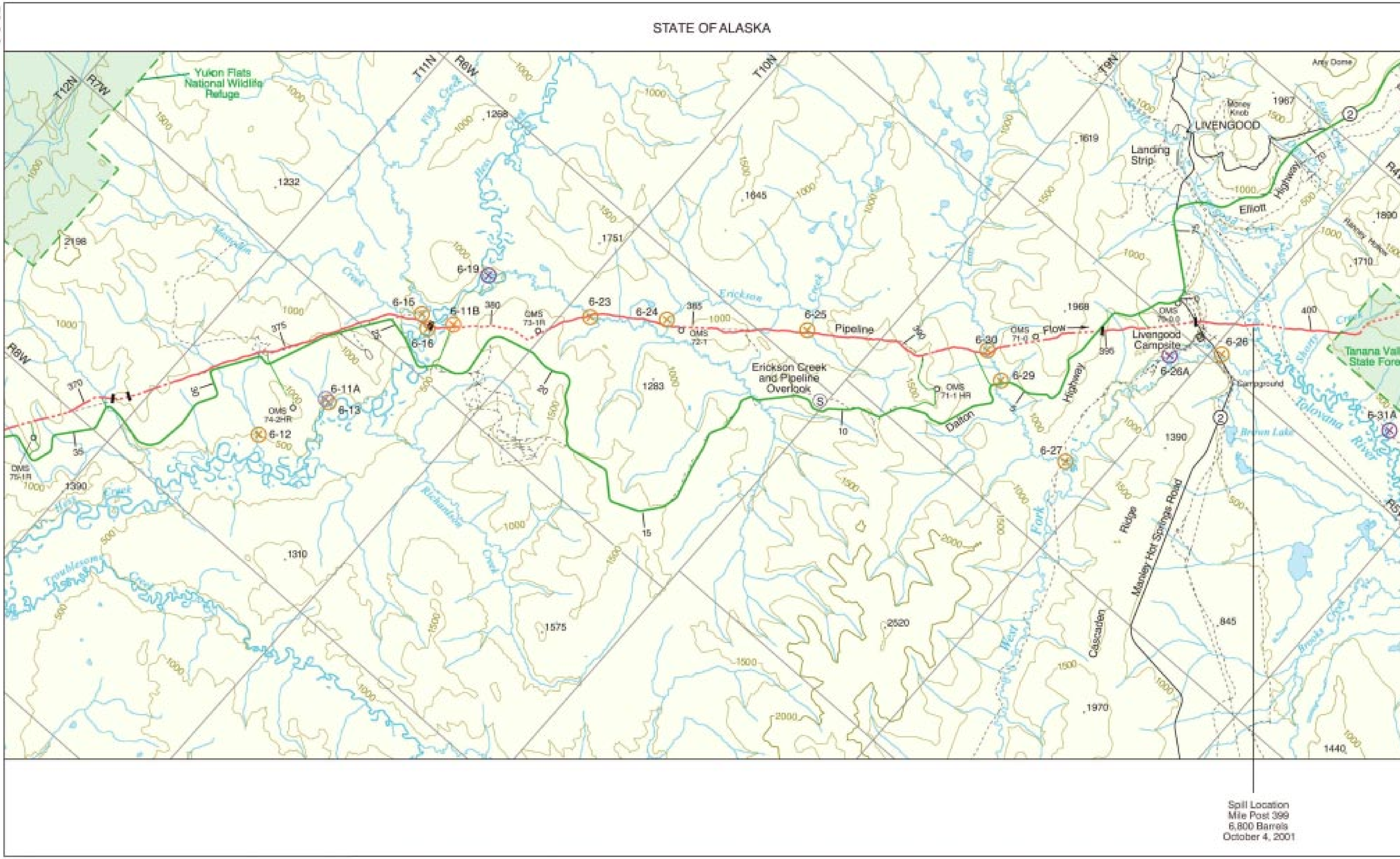


12

SCALE IN MILES
0 1 2 3 4
USPLS Grid Fairbanks Meridian

NORTH

3-8-02



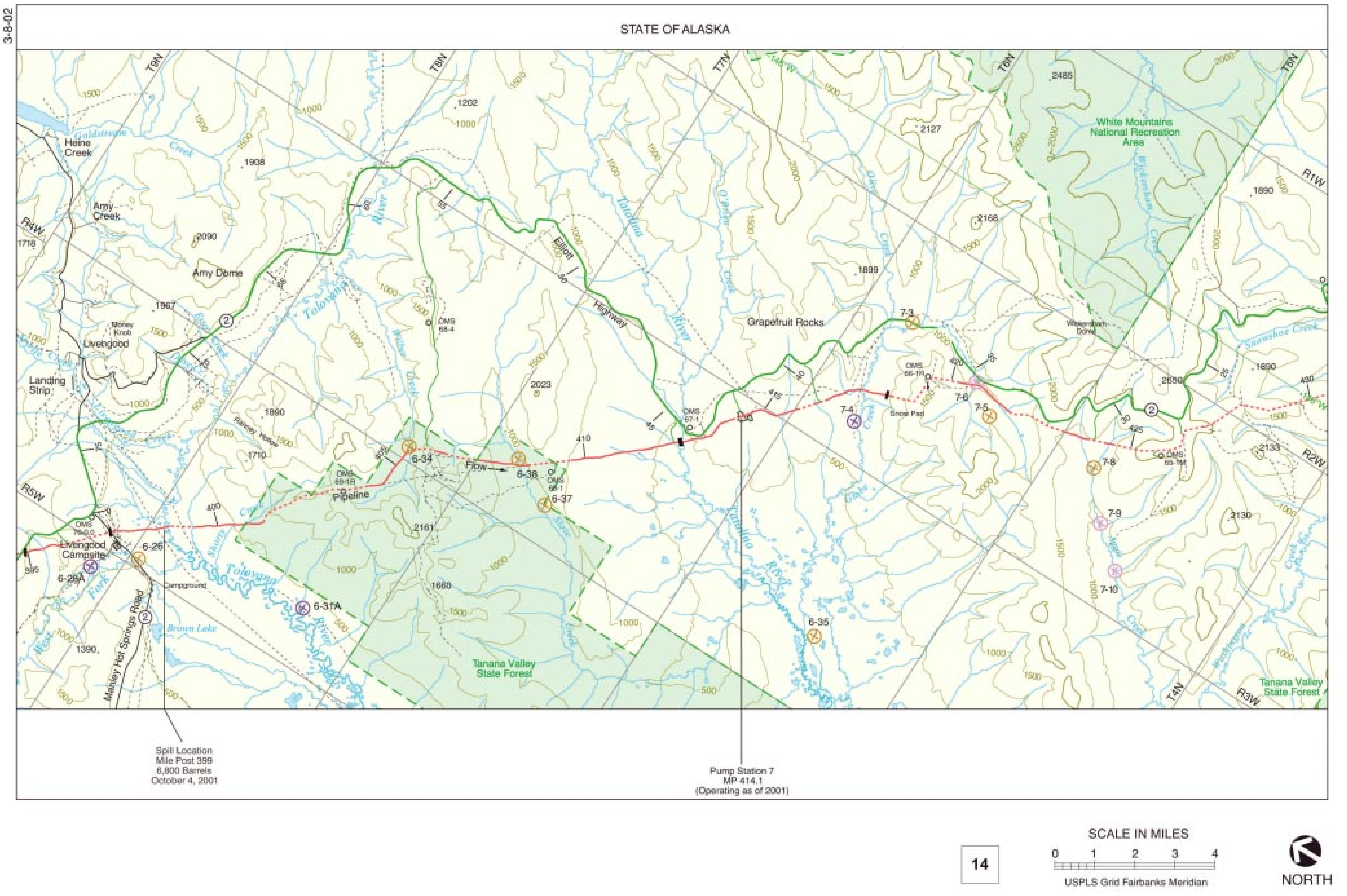
13

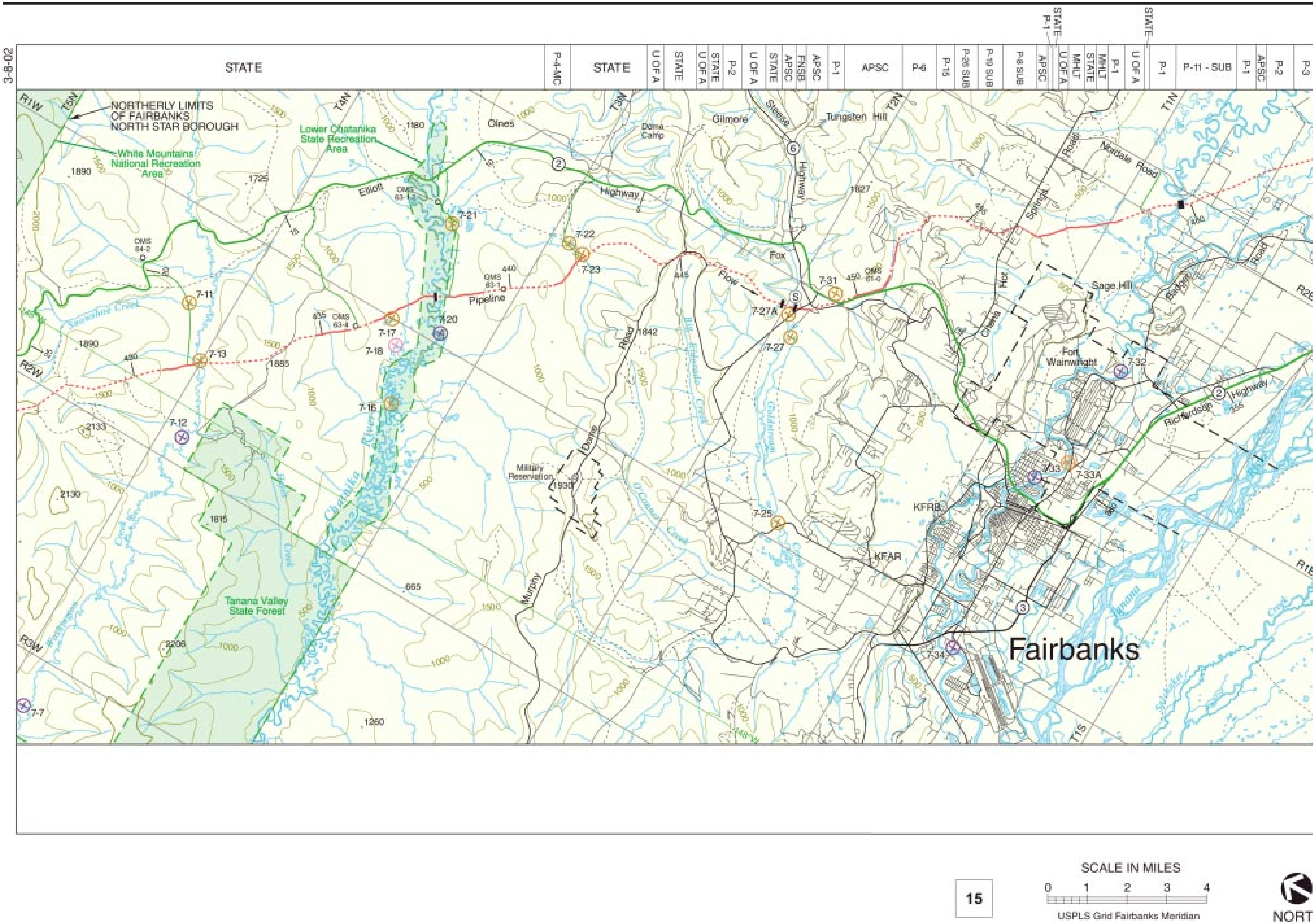
SCALE IN MILES

0 1 2 3 4

USPLS Grid Fairbanks Meridian

NORTH


3-8-02
STATE OF ALASKA
White Mountains National Recreation Area
Grapefruit Rocks
Elliott Highway
Tolovana River
Tatalina River
Amy Dome
Amy Creek
Heine Creek
Livengood
Landing Strip
Livengood Campsite
Pipeline
Flow
Pump Station 7
Tanana Valley State Forest
Manley Hot Springs Road
Brown Lake
Campground
Snow Pad
6-26
6-26A
6-31A
6-34
6-35
6-36
6-37
7-3
7-4
7-5
7-6
7-8
7-9
7-10
T9N
T8N
T7N
T6N
T5N
T4N
R5W
R4W
R3W
R2W
R1W
Spill Location
Mile Post 399
6,800 Barrels
October 4, 2001
Pump Station 7
MP 414.1
(Operating as of 2001)
SCALE IN MILES
0 1 2 3 4
USPLS Grid Fairbanks Meridian
NORTH


3-8-02
STATE
P-4-MC
STATE
U OF A
P-2
STATE
APSC
FNSB
P-1
P-6
P-15
P-26 SUB
P-19 SUB
P-8 SUB
MHLT
P-11 - SUB
P-3
NORTHERLY LIMITS OF FAIRBANKS NORTH STAR BOROUGH
White Mountains National Recreation Area
Lower Chatanika State Recreation Area
Tanana Valley State Forest
Olnes
Elliott
Highway
Gilmore
Dome Camp
Tungsten Hill
Steese
Highway
Fox
Pipeline
Flow
Nordale Road
Hot Springs Road
Chena
Sage Hill
Fort Wainwright
Richardson Highway
Military Reservation
Dome
Murphy
Road
KFRB
KFAR
Fairbanks
Snowshoe Creek
Chatanika River
Goldstream Creek
O'Connor Creek
Tanana
7-7
7-11
7-12
7-13
7-15
7-17
7-18
7-20
7-21
7-22
7-23
7-25
7-27
7-27A
7-31
7-32
7-33
7-33A
7-34
R1W
R2W
R3W
T5N
T4N
T3N
T2N
T1N
T1S
R1E
R2E
148°W
SCALE IN MILES
0 1 2 3 4
USPLS Grid Fairbanks Meridian
NORTH


3-8-02
P-1
STATE
BLM
CIRI
P-4
P-25 SUB
P-3
ASPC
P-11
P-2 SUB
APSC
P-10 SUB
P-1
USACE-CRLFCP
U OF A
USA
STATE
P-1
P-2
USA - EAFB
STATE
STATE
GVEA
STATE
APSC
STATE
Chena River State Recreation Site
Moose Creek Dam
Moose Creek
Eielson Air Force Base
Refinery
Tanana River
Richardson Highway
Johnson Road
Pipeline
Flow
Salcha River State Recreation Site
Harding Lake State Recreation Area
Salcha Bluff
Spill Location Mile Post 474 16,000 Barrels February 15, 1978
Spill Location Pump Station 8 300 Barrels July 8, 1977
Pump Station 8 MP 489.2 (Stand-by)
SCALE IN MILES
0 1 2 3 4
USPLS Grid Fairbanks Meridian
NORTH

16

3-8-02

17

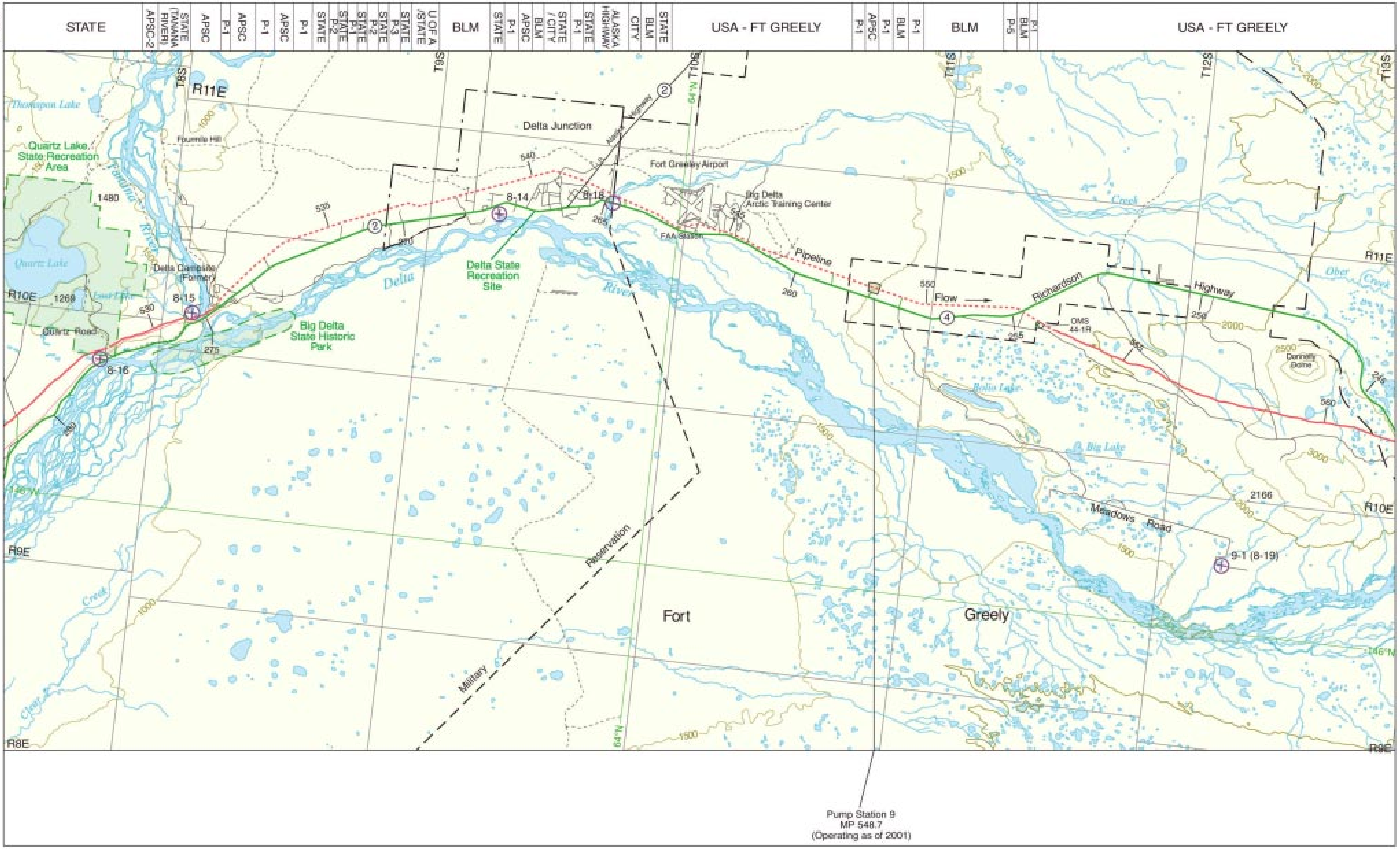
SCALE IN MILES

0 1 2 3 4

USPLS Grid Fairbanks Meridian

NORTH

3-8-02

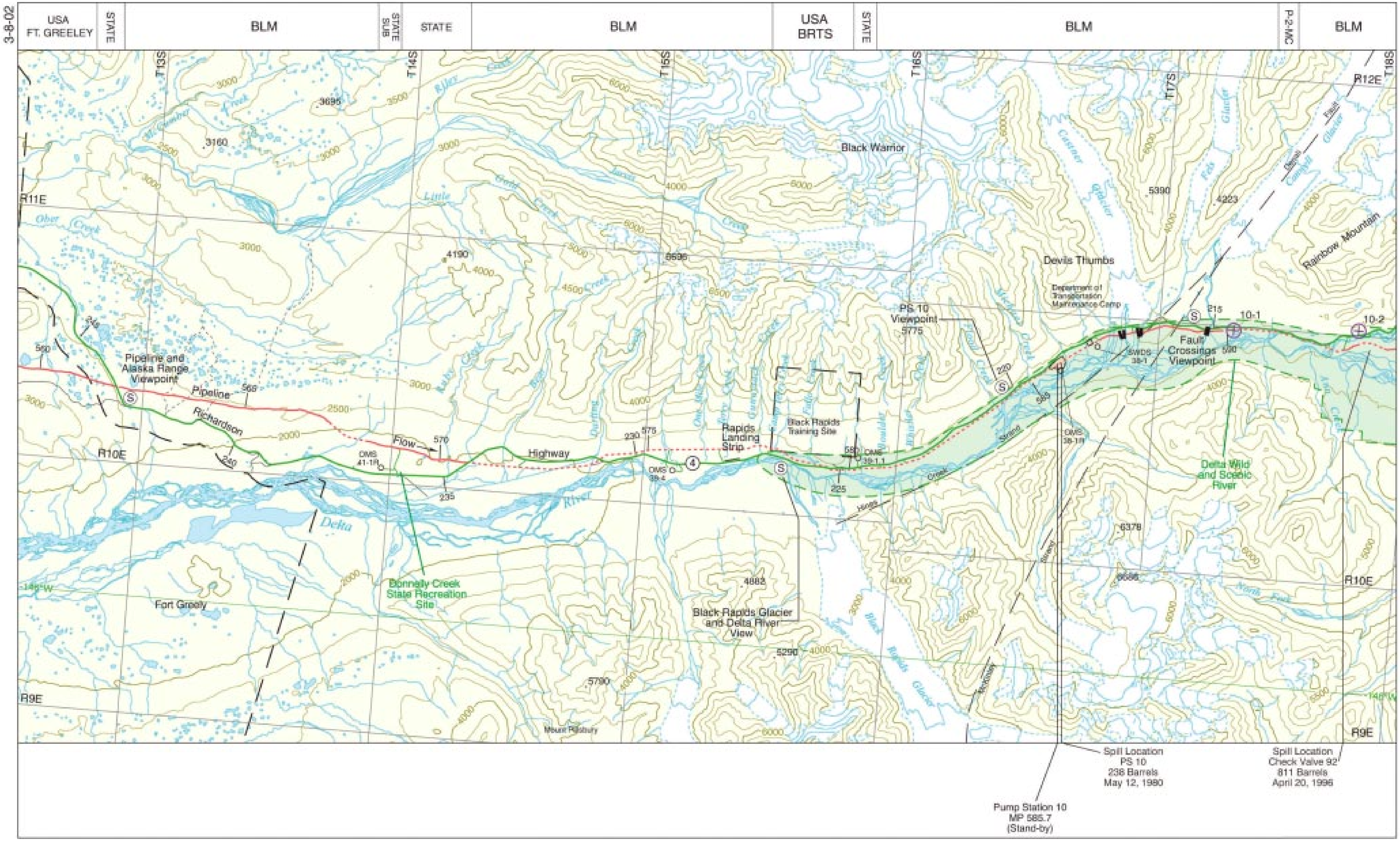


SCALE IN MILES

0 1 2 3 4

USPLS Grid Fairbanks Meridian

NORTH



19

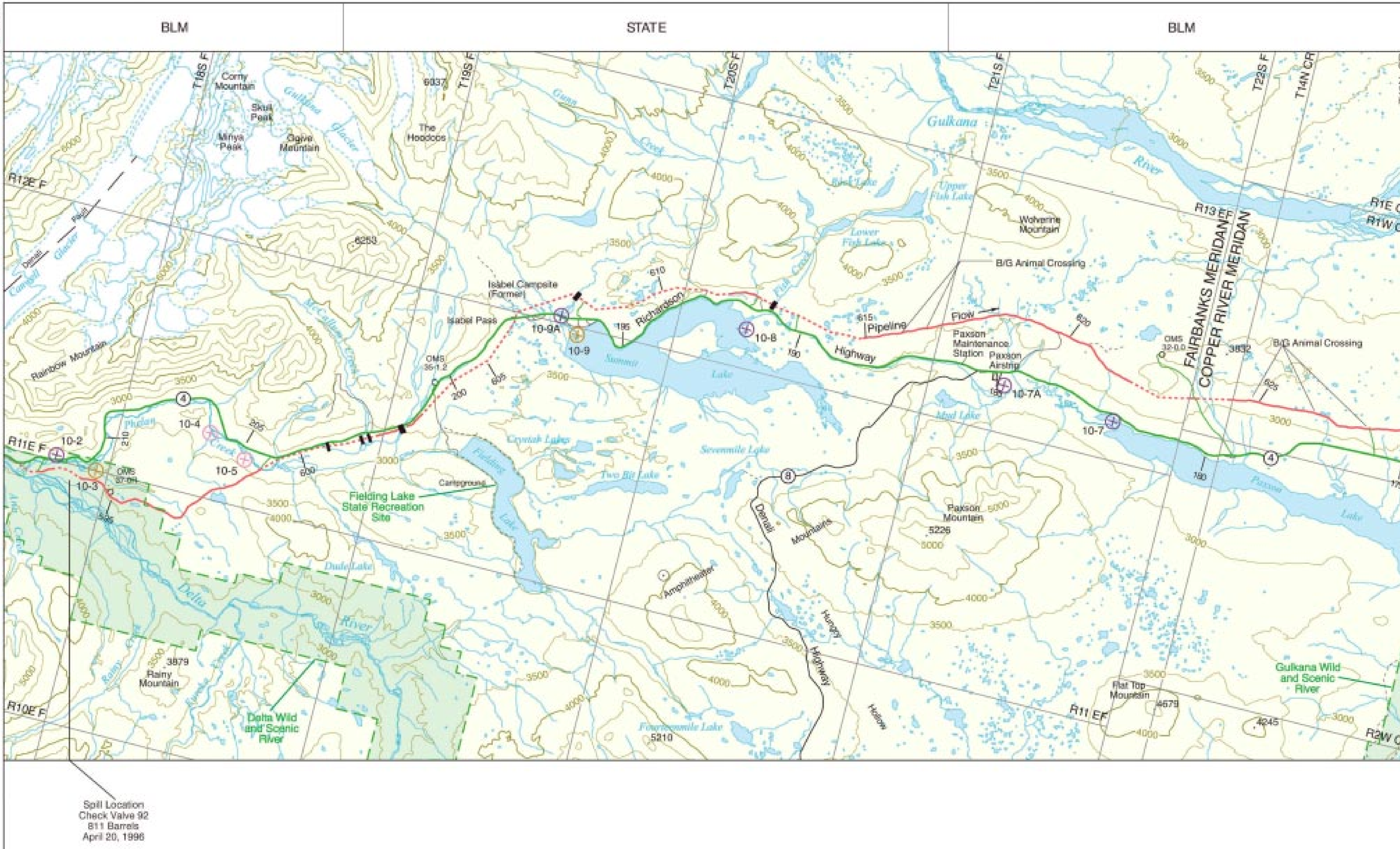
SCALE IN MILES

0 1 2 3 4

USPLS Grid Fairbanks Meridian

NORTH

3-8-02



20

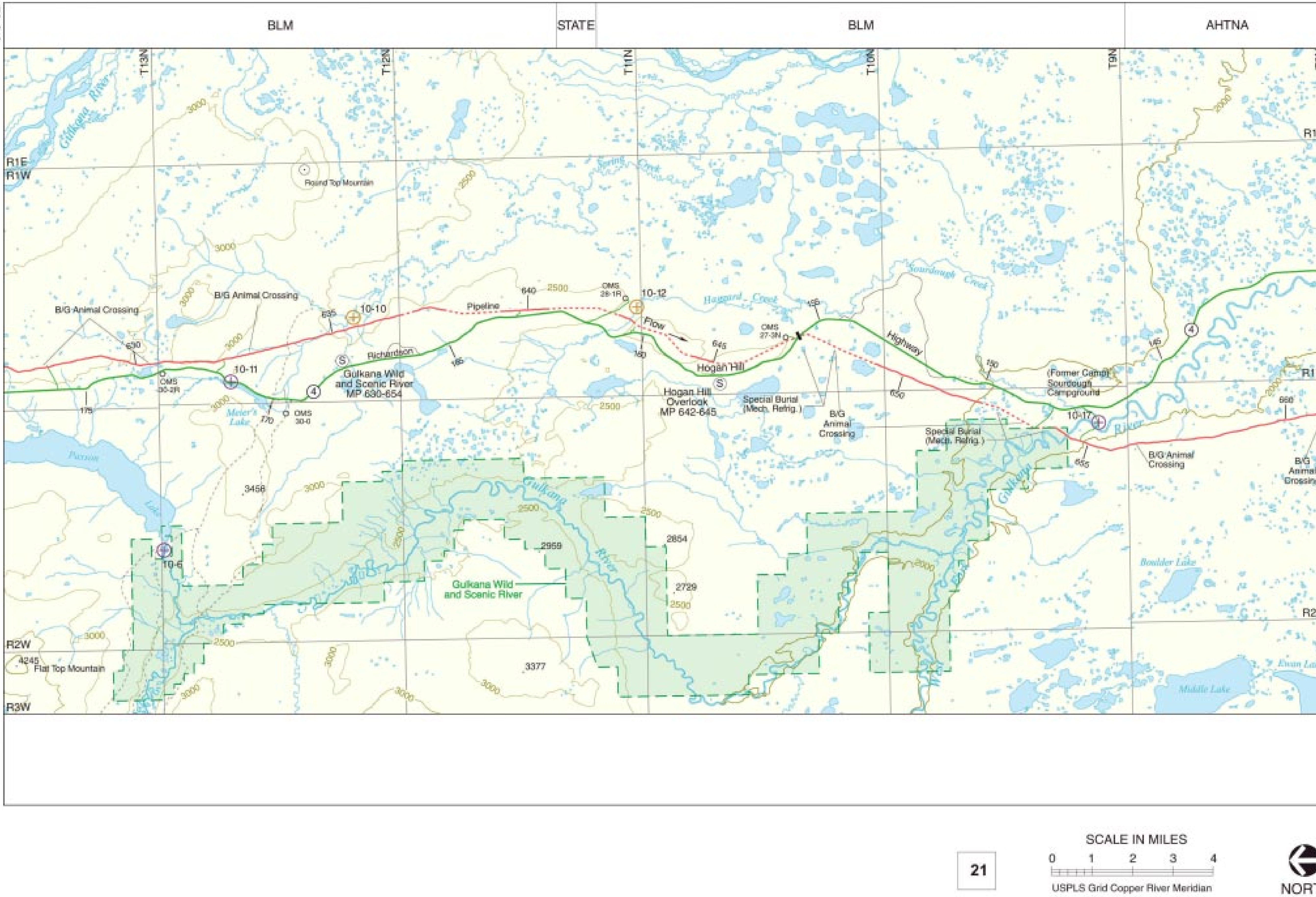
SCALE IN MILES

0 1 2 3 4

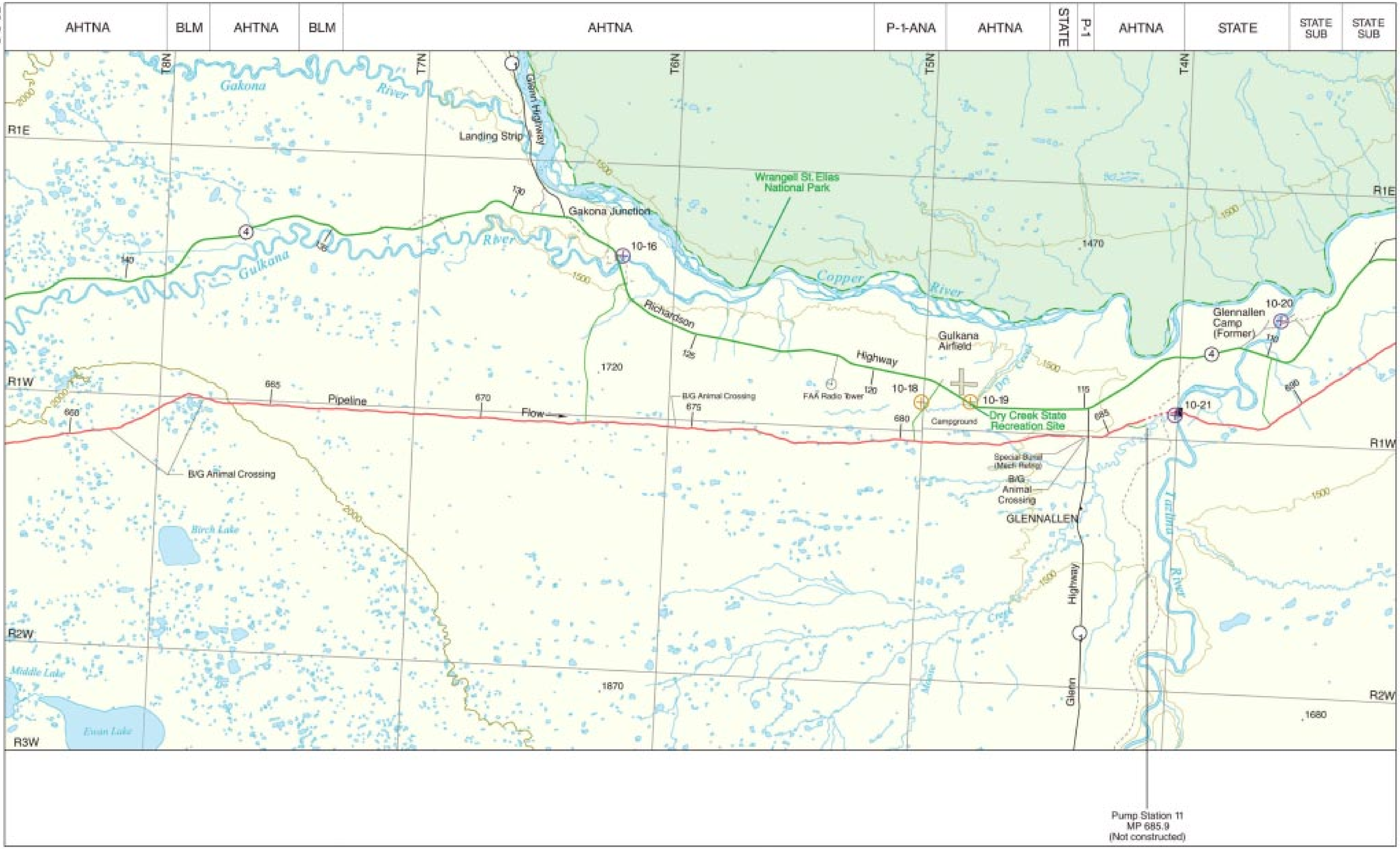
USPLS Grid Fairbanks & Copper River Meridian

NORTH

3-8-02


BLM
STATE
BLM
AHTNA
T13N
T12N
T11N
T10N
T9N
T8N
R1E
R1W
R2W
R3W
Gulkana River
Round Top Mountain
B/G Animal Crossing
10-10
10-11
10-12
OMS 30-2R
OMS 30-0
OMS 28-1R
OMS 27-3N
Pipeline
Flow
Richardson
Highway
Gulkana Wild and Scenic River MP 630-654
Meier's Lake
Paxson Lake
Hogan Hill
Hogan Hill Overlook MP 642-645
Special Burial (Mech. Refrig.)
B/G Animal Crossing
Sourdough Creek
Haggard Creek
Spring Creek
(Former Camp) Sourdough Campground
10-17
10-6
Gulkana Wild and Scenic River
Flat Top Mountain
4245
3458
2959
2854
2729
3377
Boulder Lake
Middle Lake
Ewan Lake
21
SCALE IN MILES
0 1 2 3 4
USPLS Grid Copper River Meridian
NORTH

3-8-02



SCALE IN MILES

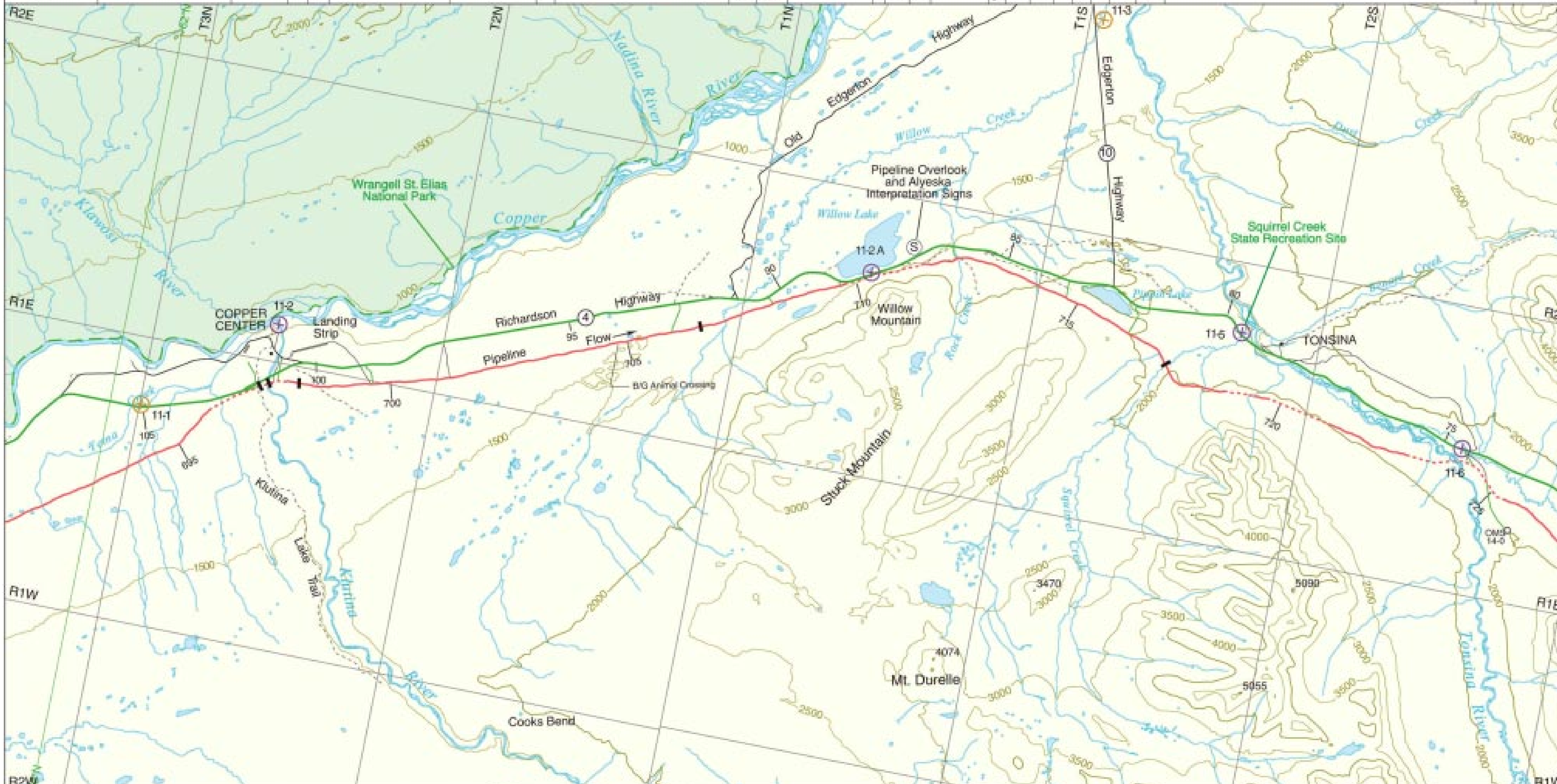
0 1 2 3 4

USPLS Grid Copper River Meridian

NORTH

3-8-02

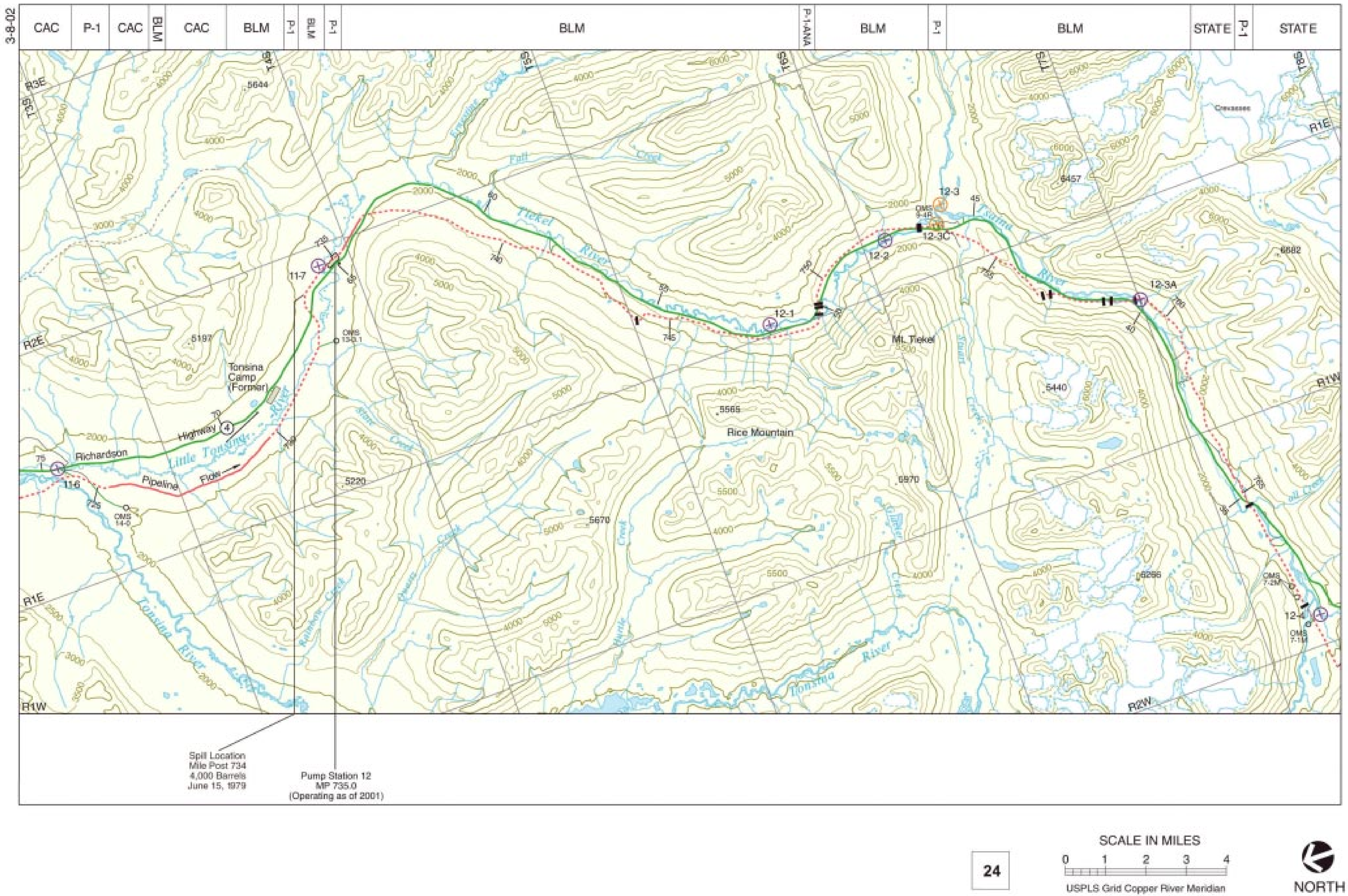
STATE SUB	AHTNA	U OF A	P-2	U OF A	AHTNA	STATE	U OF A	STATE SUB	AHTNA	P-1-ANA	AHTNA	P-1	AHTNA	P-1-ANA	AHTNA	P-2-ANA	P-10	CAC	P-1	CAC	P-1	CAC	BLM	CHUGACH ALASKA CORP	P-1

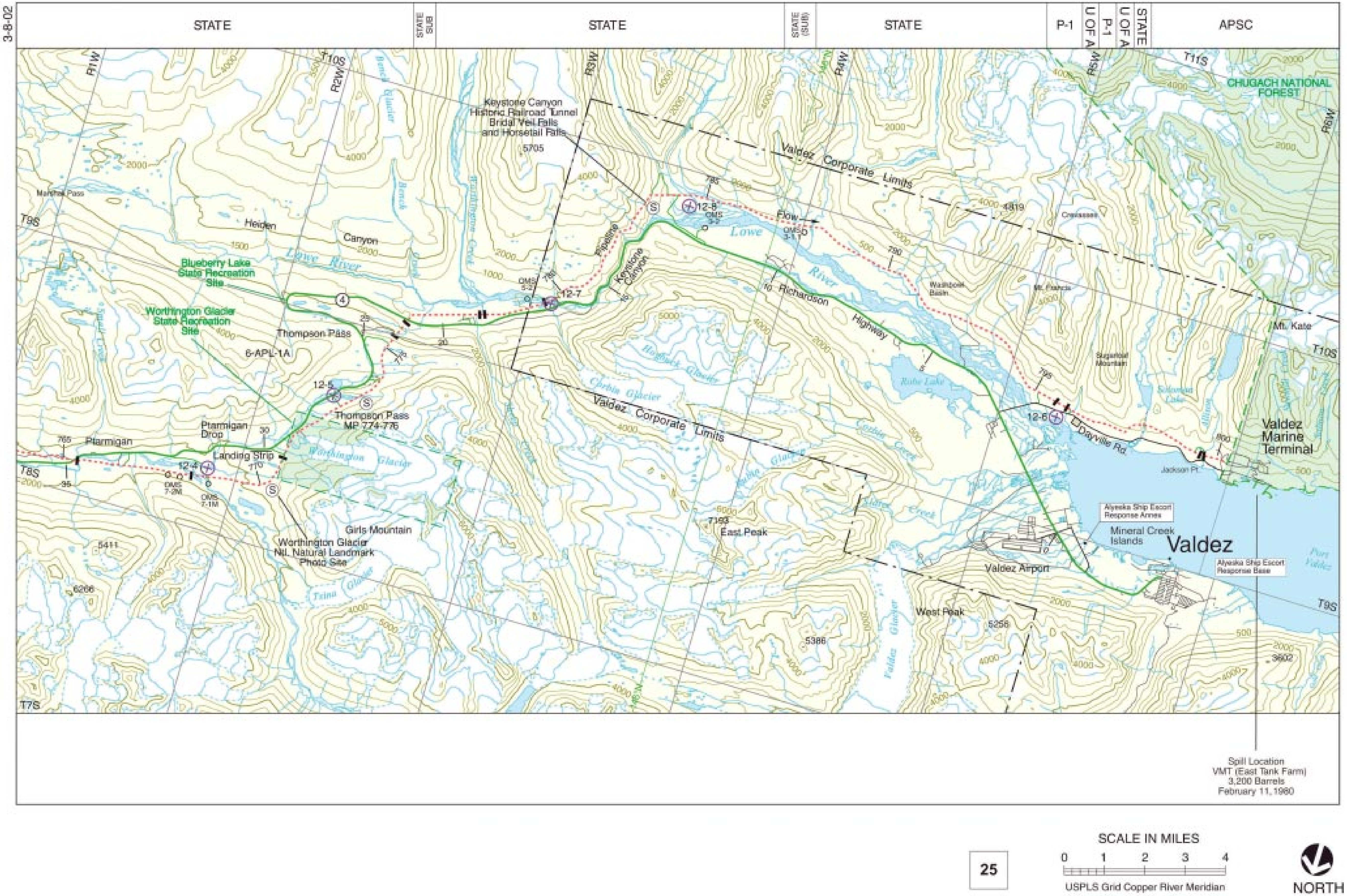


23

SCALE IN MILES
0 1 2 3 4
USPLS Grid Copper River Meridian

NORTH


3-8-02
CAC
P-1
CAC
BLM
CAC
BLM
P-1
BLM
P-1
BLM
P-1-ANA
BLM
P-1
BLM
STATE
P-1
STATE
T4S
T5S
T6S
T7S
T8S
T3S
R3E
R2E
R1E
R1W
R2W
Crevasses
5644
Ernestine Creek
Fall Creek
Tiekel River
Tsaina River
12-3
OMS 9-4R
12-3C
12-2
12-1
12-3A
11-7
OMS 13-0.1
Tonsina Camp (Former)
Highway 4
Richardson
Little Tonsina River
Pipeline Flow
11-6
OMS 14-0
Mt. Tiekel
Rice Mountain
5565
5197
5220
5670
6970
5440
6457
6682
6266
Stuart Creek
Tonsina River
Tonsina
OMS 7-2M
12-4
OMS 7-1M
Spill Location
Mile Post 734
4,000 Barrels
June 15, 1979
Pump Station 12
MP 735.0
(Operating as of 2001)
24
SCALE IN MILES
0 1 2 3 4
USPLS Grid Copper River Meridian
NORTH



3-8-02
STATE
STATE SUB
STATE
STATE (SUB)
STATE
P-1
U OF A
P-1
U OF A
STATE
APSC
R1W
R2W
R3W
R4W
R5W
R6W
T10S
T11S
T9S
T8S
T7S
CHUGACH NATIONAL FOREST
Keystone Canyon Historic Railroad Tunnel Bridal Veil Falls and Horsetail Falls
5705
Valdez Corporate Limits
Marshall Pass
Heiden
Canyon
Lowe River
Blueberry Lake State Recreation Site
Worthington Glacier State Recreation Site
Thompson Pass
6-APL-1A
12-5
12-7
12-8
12-6
12-4
OMS 5-2
OMS 3-2
OMS 3-1
OMS 7-2M
OMS 7-1M
Flow
Lowe
River
Pipeline
Keystone Canyon
Richardson Highway
Thompson Pass MP 774-776
Ptarmigan Drop
Ptarmigan
Landing Strip
765
770
785
790
795
800
Worthington Glacier
Girls Mountain
Worthington Glacier Ntl. Natural Landmark Photo Site
Tsina Glacier
5411
6266
Corbin Glacier
Hogback Glacier
7193
East Peak
West Peak
5258
5386
3602
Robe Lake
Washbowl Basin
Mt. Francis
Sugarloaf Mountain
Crevasses
4819
Mt. Kate
Dayville Rd.
Jackson Pt.
Valdez Marine Terminal
Alyeska Ship Escort Response Annex
Mineral Creek Islands
Valdez
Valdez Airport
Alyeska Ship Escort Response Base
Port Valdez
Spill Location VMT (East Tank Farm) 3,200 Barrels February 11, 1980
SCALE IN MILES
0 1 2 3 4
USPLS Grid Copper River Meridian
NORTH

3-8-02

APSC

Spill Location
VMT (East Tank Farm)
3,200 Barrels
February 11, 1980

Spill Location
Exxon Valdez Tanker
257,143 Barrels
March 24, 1989

26

SCALE IN MILES
0 1 2 3 4
USPLS Grid Copper River Meridian

NORTH