

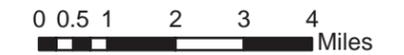
Figure 1.1-1

Greater Mooses Tooth Unit Land Ownership

- | | |
|---|--|
| Alternative A Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| Boundary | Road |
| lookout PA | Facility |
| Project Study Area | Surface Land Ownership |
| GMTU | Kuukpik Lands |
| Lease Tracts | Conveyed |
| NPR-A | Selected |

Footnote:
1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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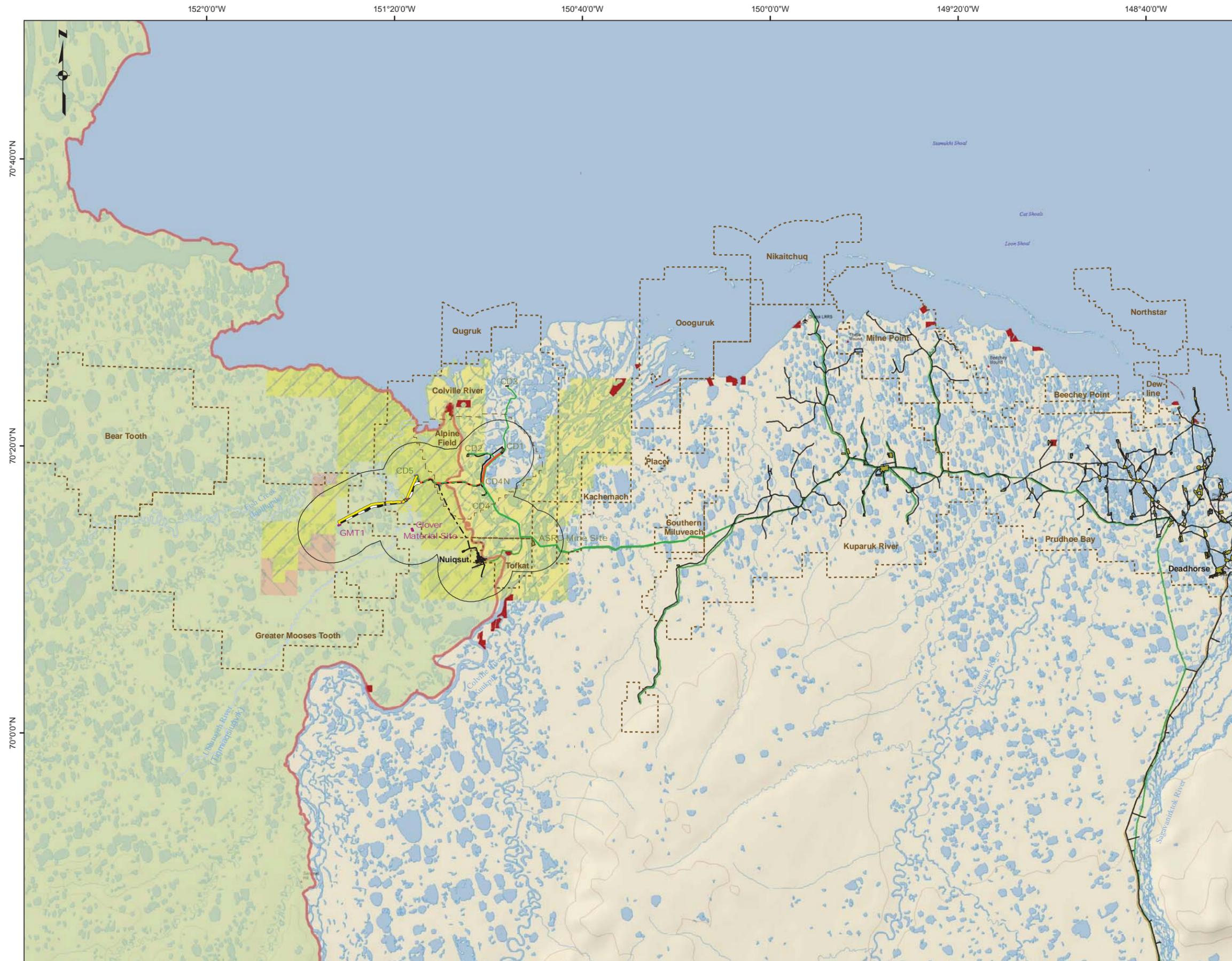


Figure 2.4-1

GMT1 Project Vicinity

- | | |
|---|---|
| DSEIS Proposed Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| Boundary | Road |
| Project Study Area | Facility |
| Oil & Gas Unit | Surface Land Ownership |
| NPR-A | Kuukpiq Lands |
| | Conveyed |
| | Selected |
| | Native Allotments |
| | Private |

Footnote:
1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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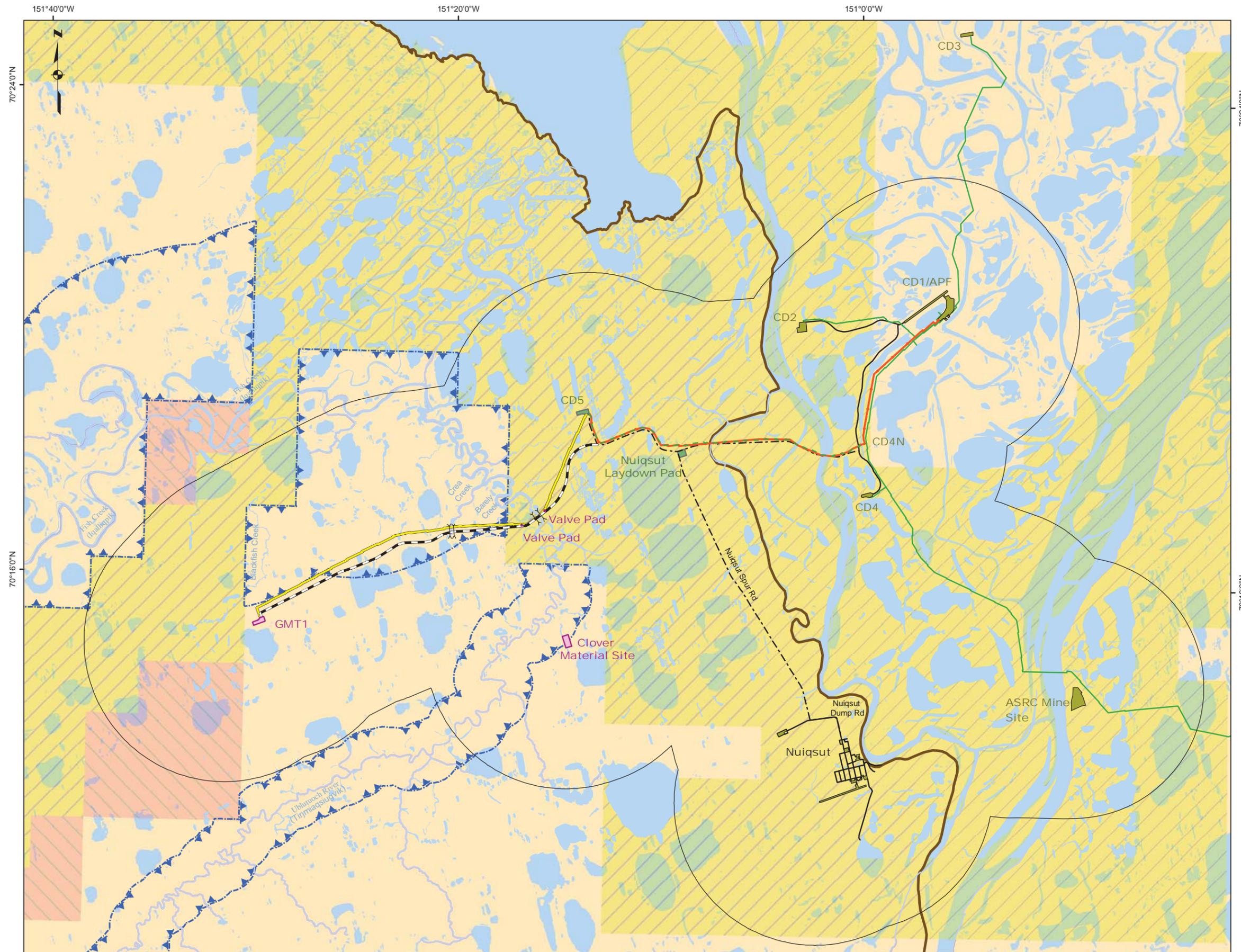


Figure 2.4-2

Alternative A Proposed Project

- | | |
|---|---|
| Alternative A Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| | Road |
| | Facility |
| Boundary | Surface Land Ownership |
| Project Study | Kuukpik Lands |
| NPR-A | Conveyed |
| Fish Creek 3 mi Ublutuoch River 0.5 mi Setback Area | Selected |

Footnote:
 1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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0 0.5 1 2 3 Miles

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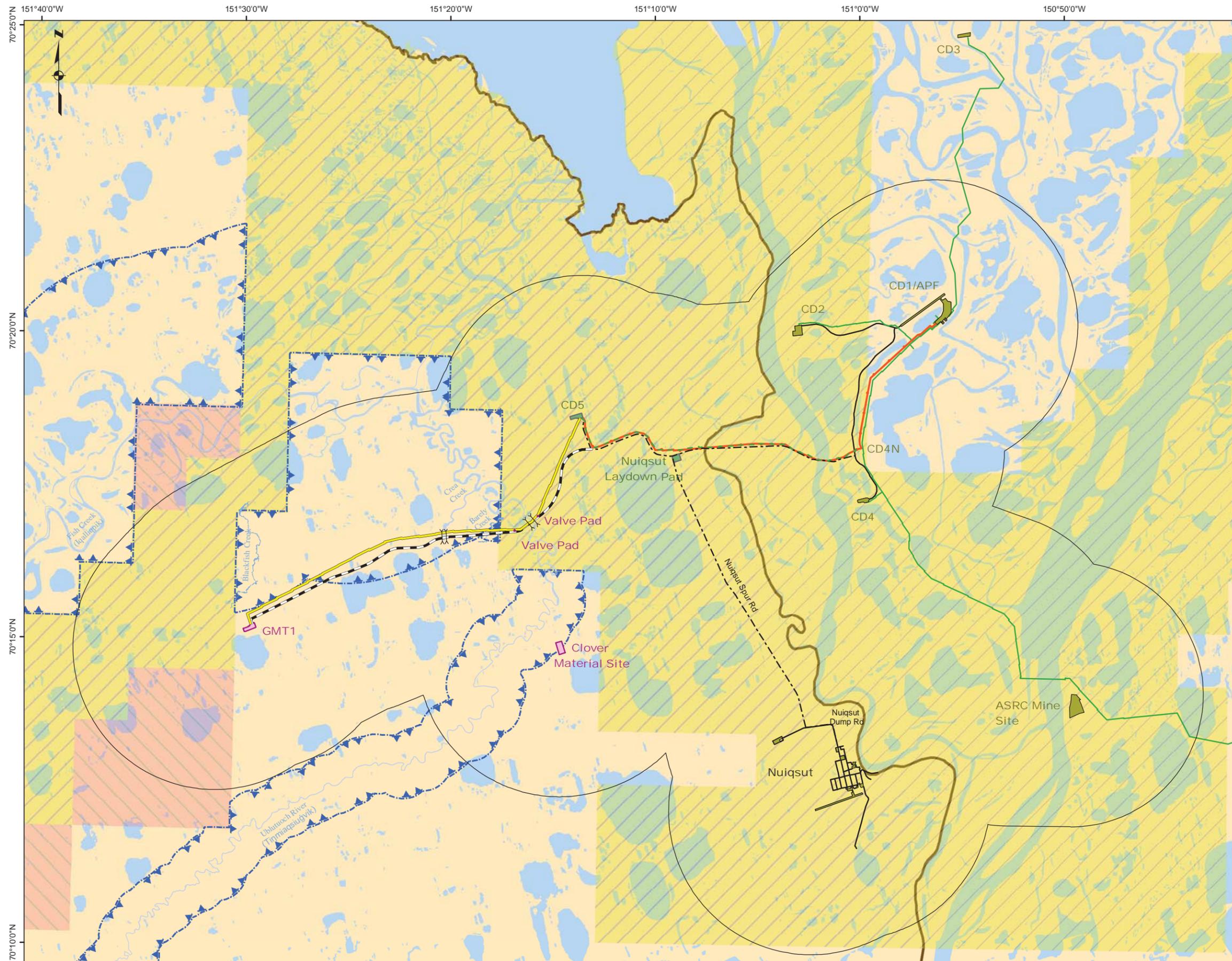


Figure 2.4-3
Fish Creek and Ublutuoch
River Setback Areas

- | | |
|---|---|
| Alternative A Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| | Road |
| | Facility |
| Boundary | |
| Project Study Area | Surface Land Ownership |
| NPR-A | Kuukpiik Lands |
| | Conveyed |
| Fish Creek 3 mi | Selected |
| Ublutuoch River 0.5 mi | |
| Setback Area | |

Footnote:
 1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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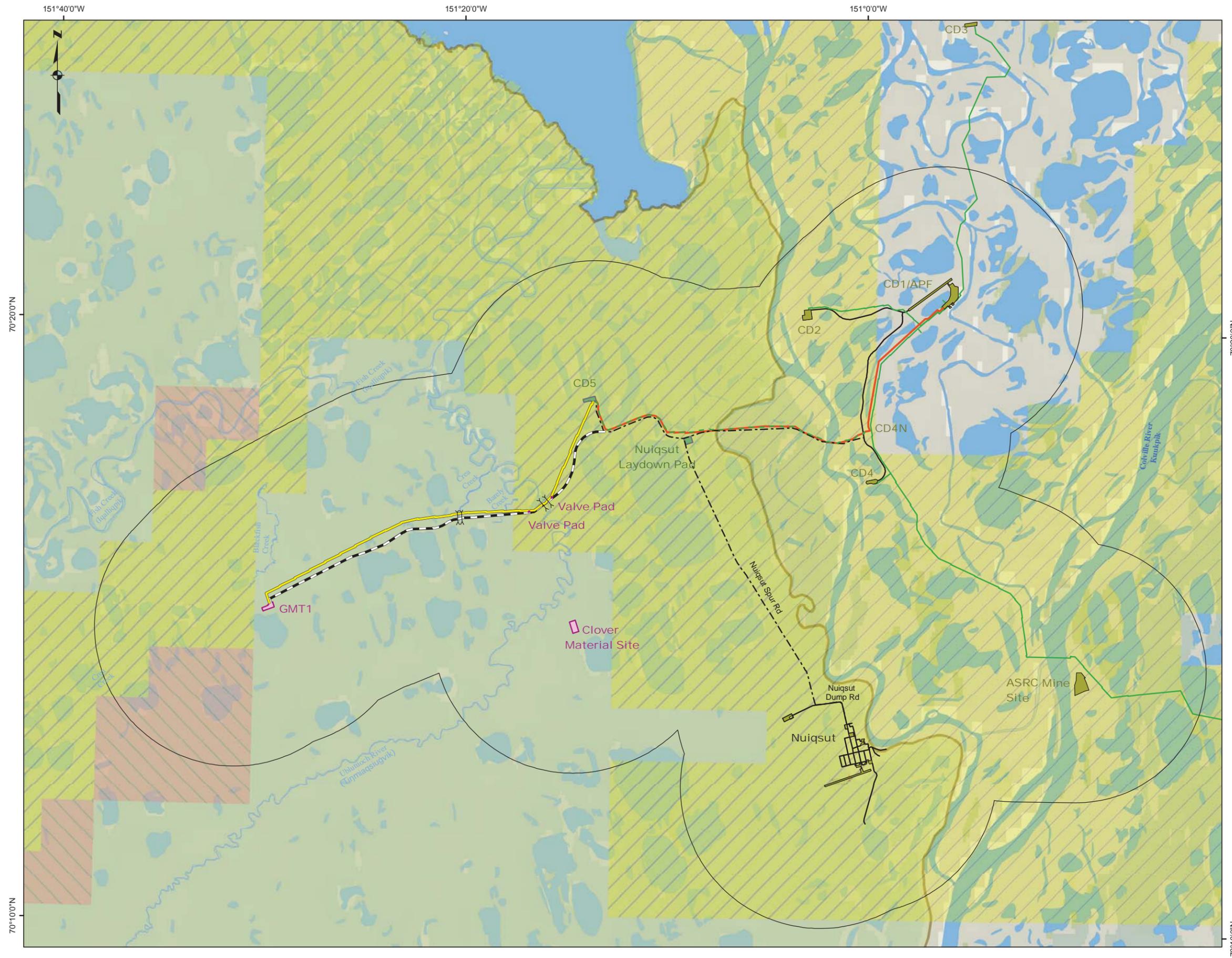


Figure 2.4-4

Project Study Area

Alternative A Infrastructure		Proposed or Permitted (not part of GMT1)	
	Pipeline		Pipeline
	Road		Road
	14 inch Water ¹ Injection Line		Facility
	Bridge		Existing Pipeline
	Facility		Existing Road
	Boundary		Existing Facility
	Project Study Area		Surface Land Ownership Kuukpik Lands
	NPR-A		Conveyed
			Selected

Footnote:
 1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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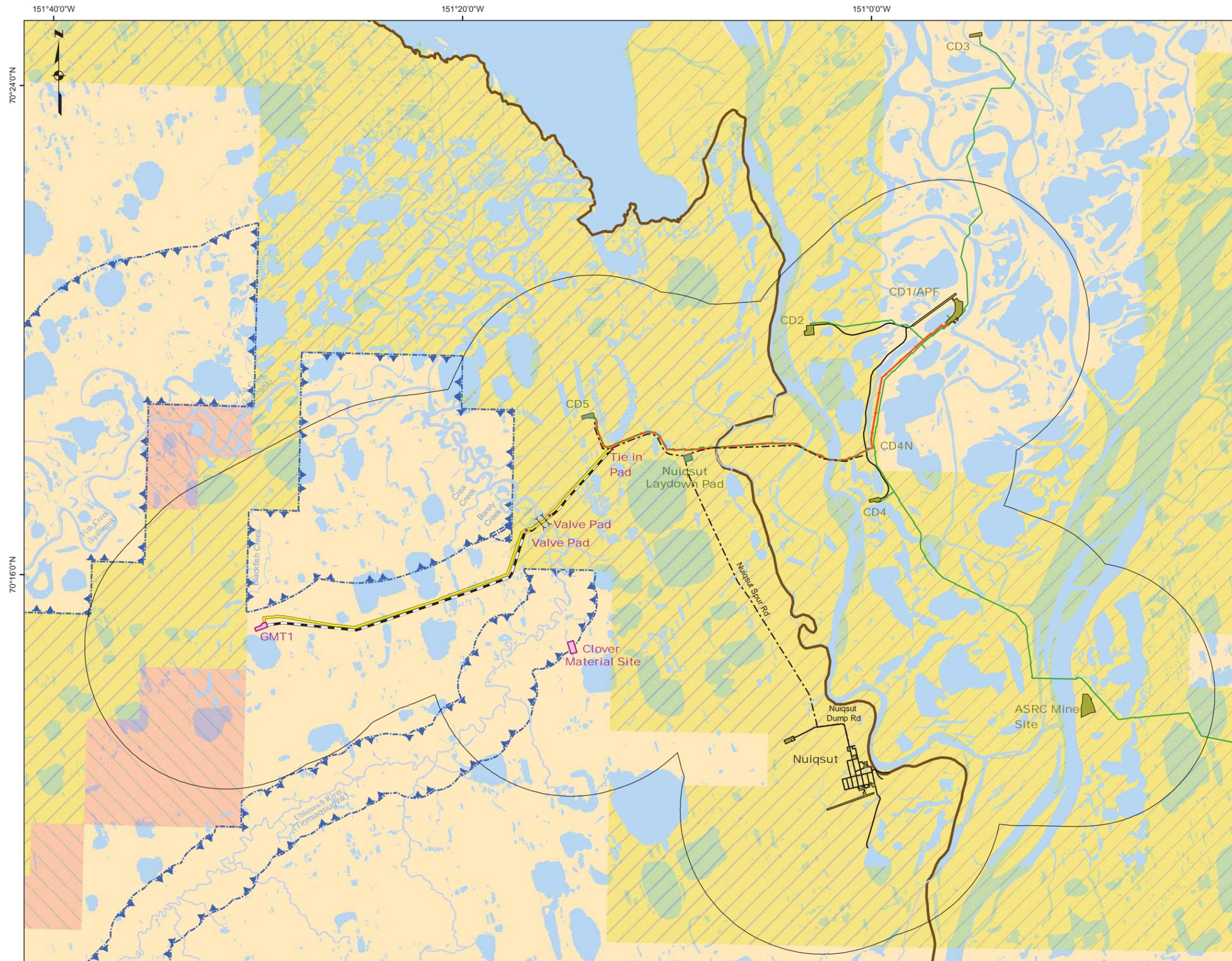
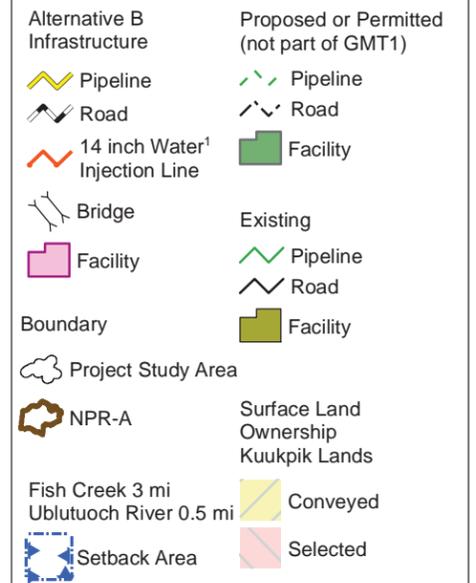


Figure 2.5-1
Alternative B
Avoiding the Fish
Creek Setback



Footnote:
 1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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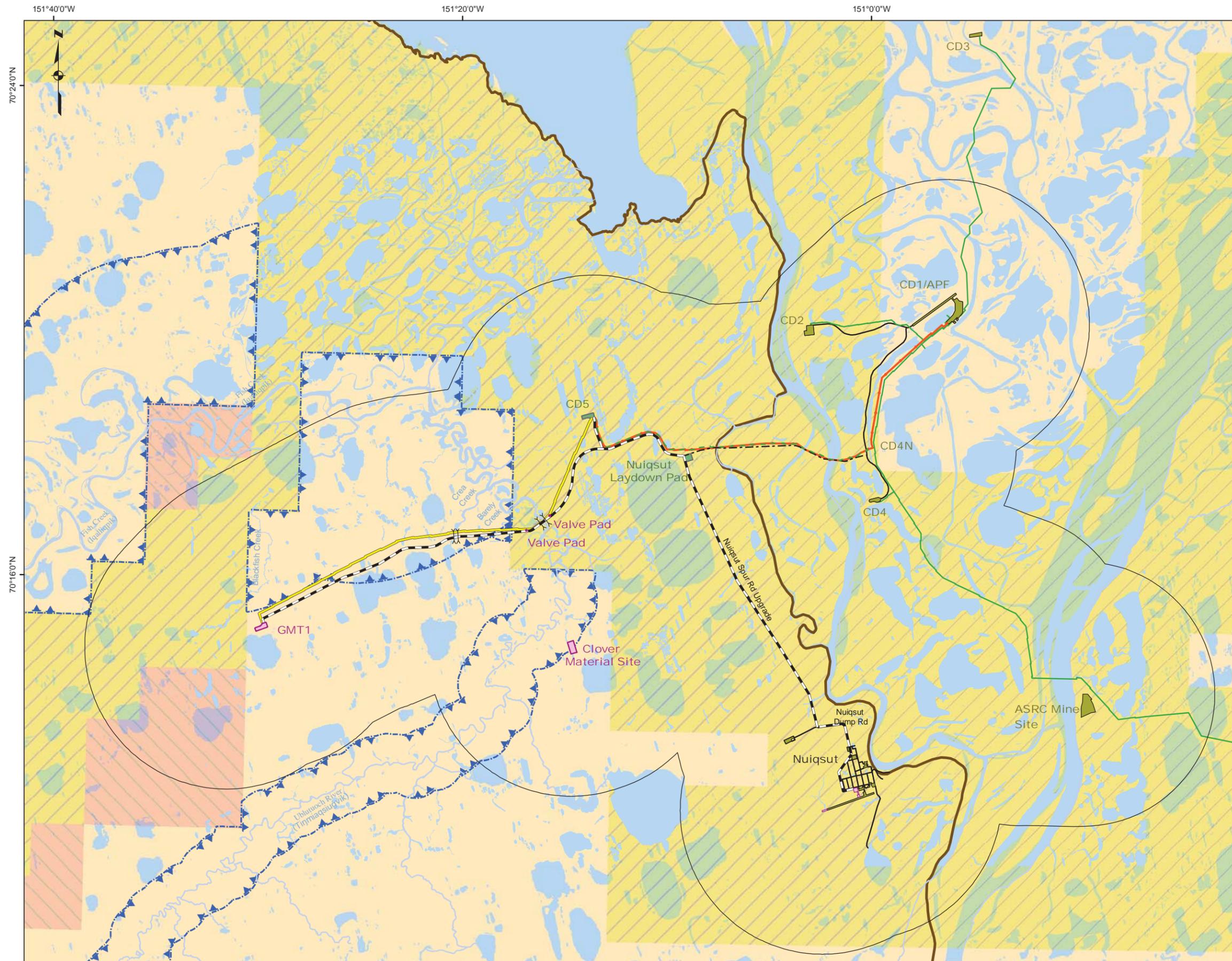


Figure 2.6-1

**Alternative C
Nuiqsut Alternative Access**

- | | |
|---|---|
| Alternative C Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| | Road |
| | Facility |
| Boundary | |
| Project Study | Surface Land Ownership |
| NPR-A | Kuukpik Lands |
| | Conveyed |
| Fish Creek 3 mi Ublutuoch River 0.5 mi | Selected |
| Setback Area | |

Footnote:
1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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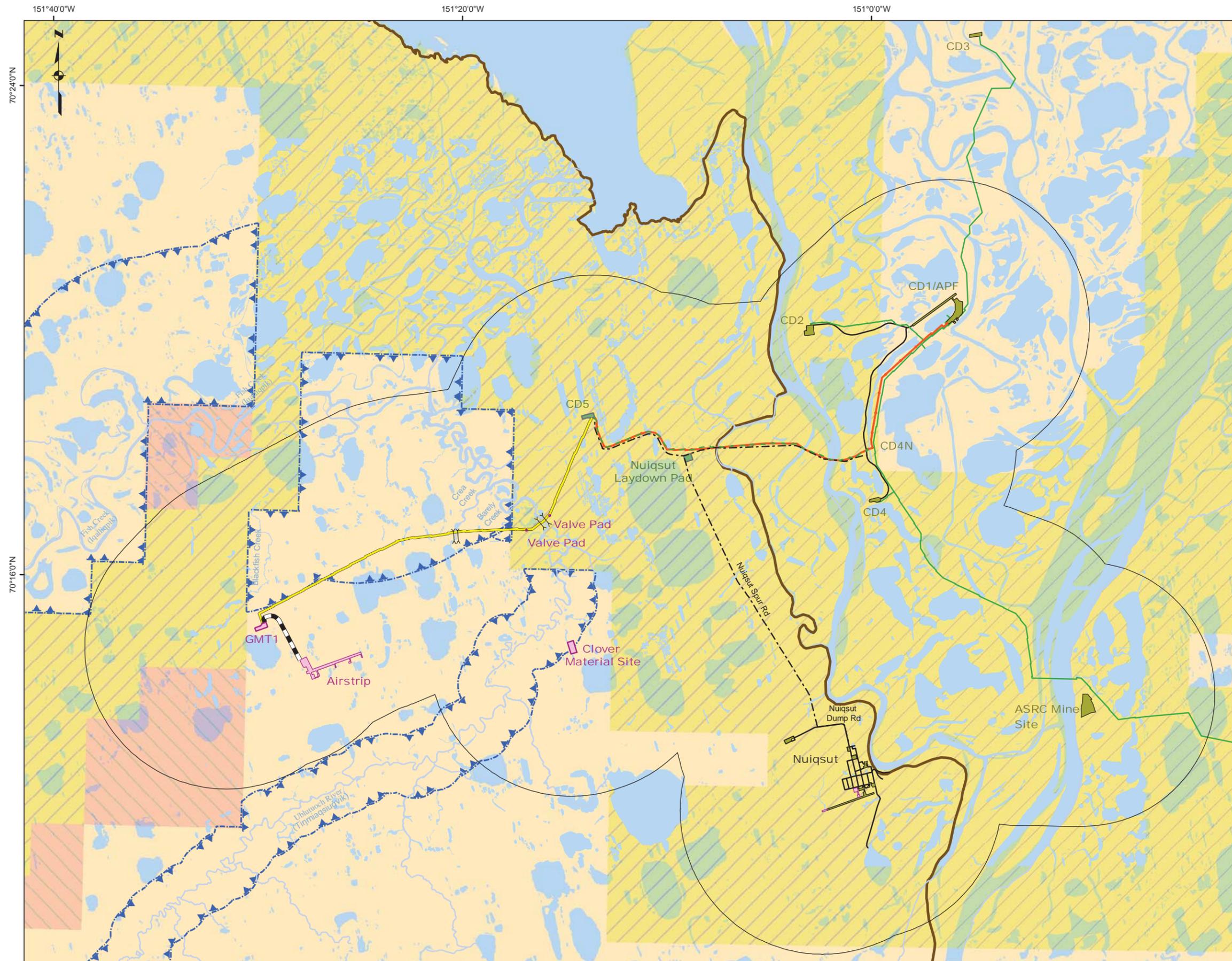


Figure 2.7-1

Alternative D Limited Access

- | | |
|---|---|
| Alternative D Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline ¹ | Pipeline |
| Access Road | Road |
| 14 inch Water ^{1,2} Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| | Road |
| | Facility |
| Boundary | |
| Project Study Area | Surface Land Ownership |
| NPR-A | Kuukpik Lands |
| | Conveyed |
| Fish Creek 3 mi Ublutuoch River 0.5 mi | Selected |
| Setback Area | |

Footnote:
 1: Pipeline includes a 2 inch diesel line & 2 inch waterline from CD1 to GMT1
 2: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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0 0.5 1 2 3 Miles

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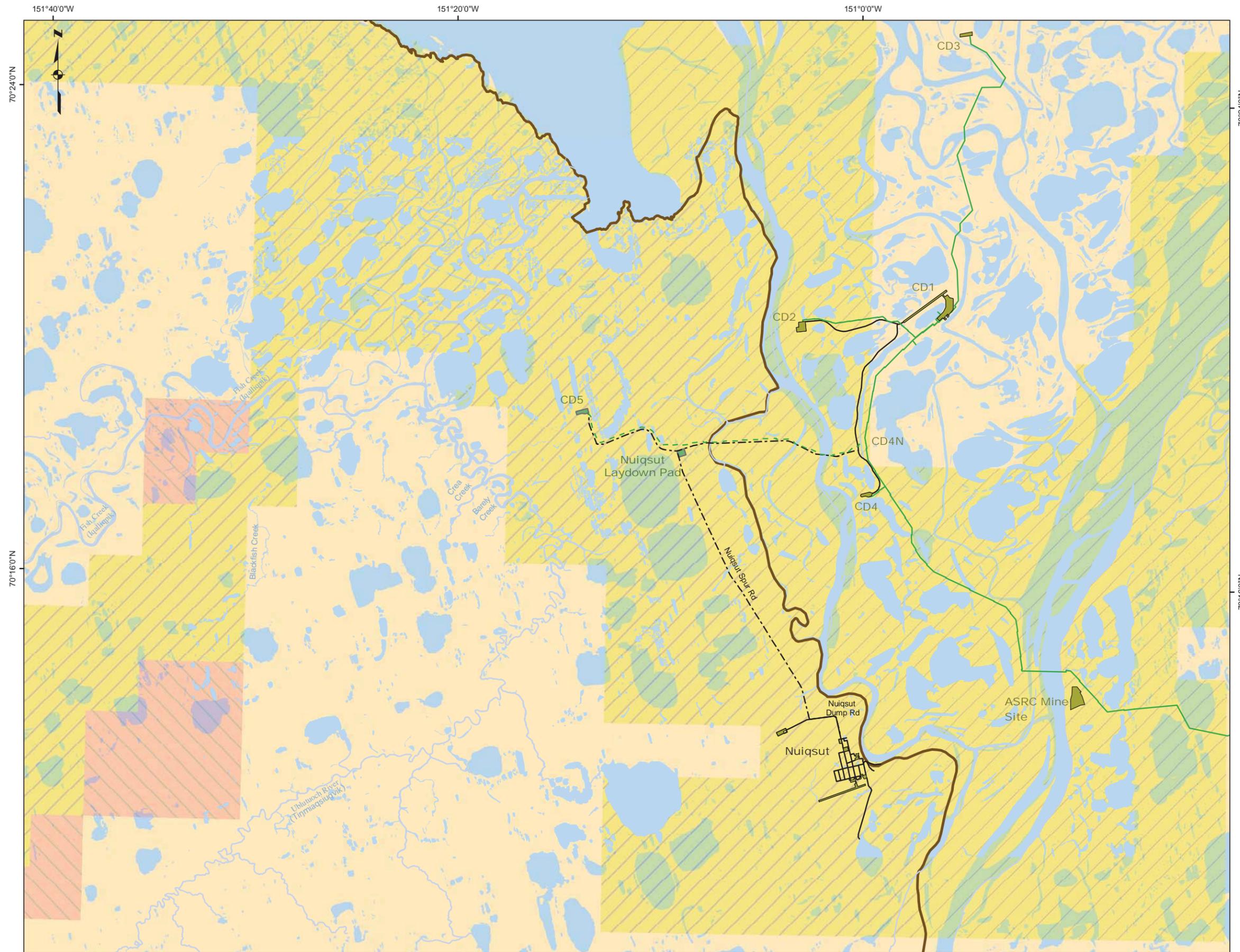


Figure 2.8-1

**Alternative E
No Action**

- | | |
|--|-------------------------------|
| Proposed or Permitted (not part of GMT1) | Existing |
| Pipeline | Pipeline |
| Road | Road |
| Facility | Facility |
| Boundary | |
| NPR-A | Surface Land Ownership |
| | Conveyed |
| | Selected |

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0 0.5 1 2 3 Miles

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NAD 1983 StatePlane Alaska 4 FIPS 5004 Feet



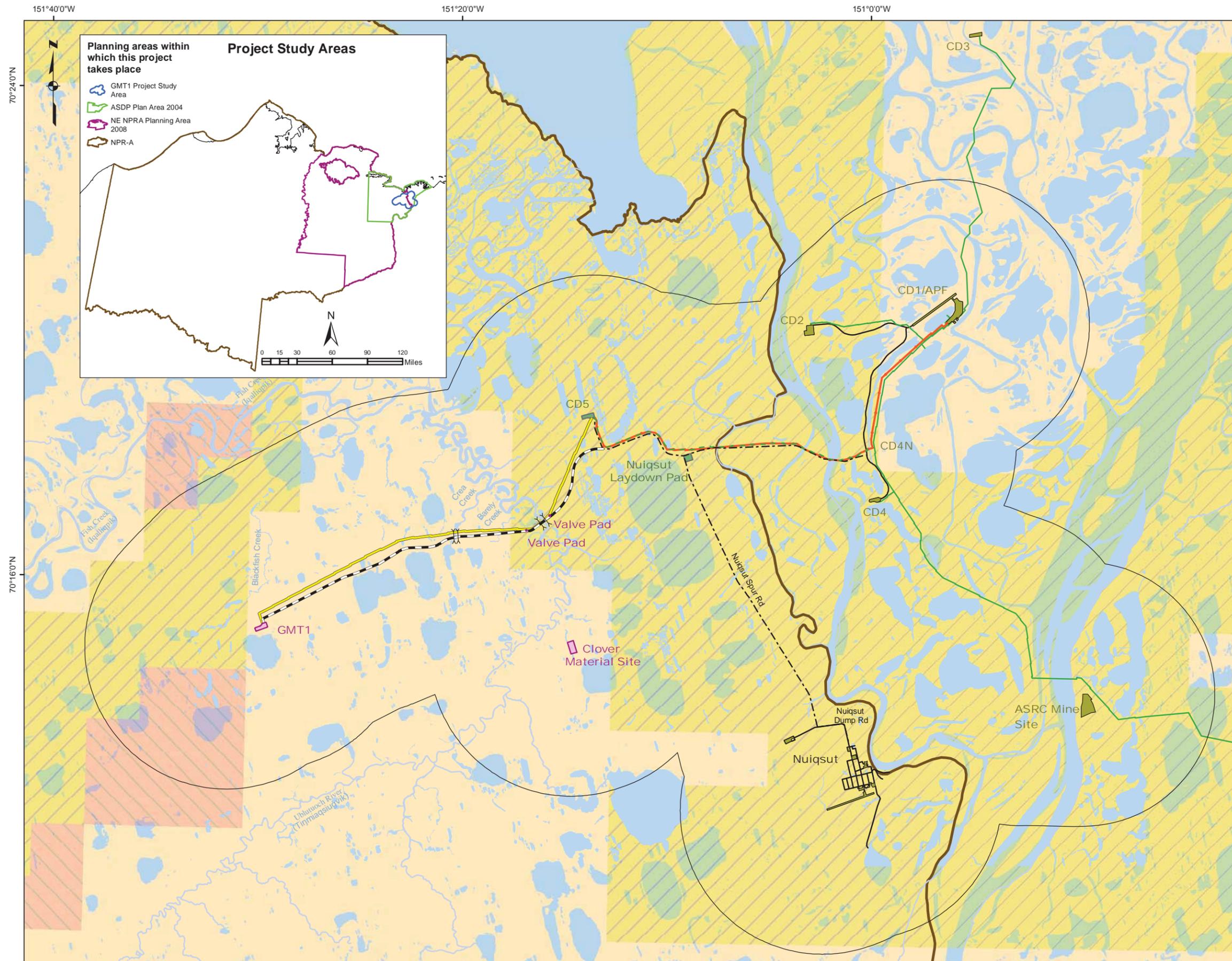


Figure 3.1-1
Project Study Area and NPR-A

- | | |
|---|---|
| Alternative A Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| | Road |
| | Facility |
| Boundary | |
| Project Study Area | Surface Land Ownership |
| NPR-A | Kuukpiik Lands |
| | Conveyed |
| | Selected |

Footnote:
1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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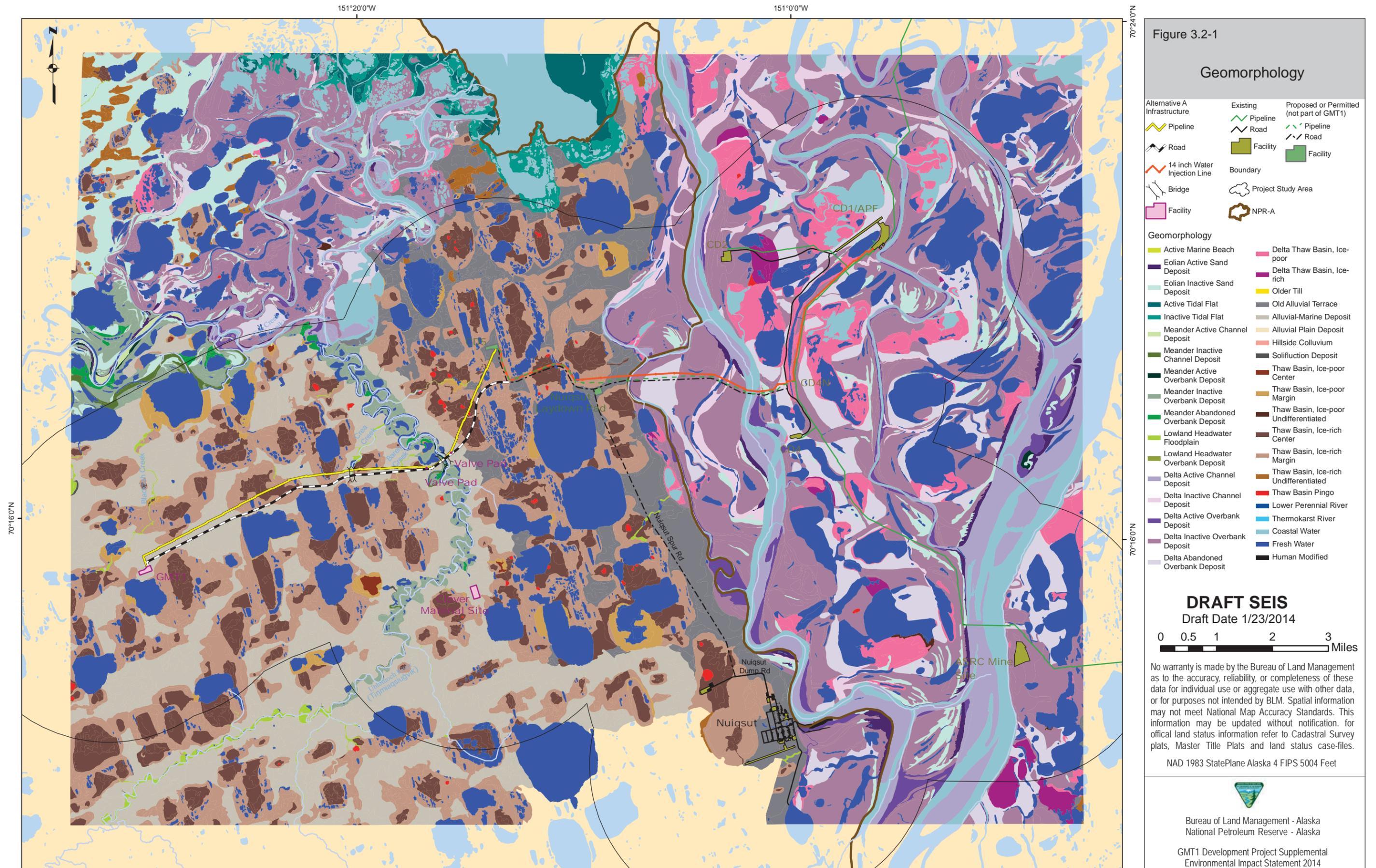
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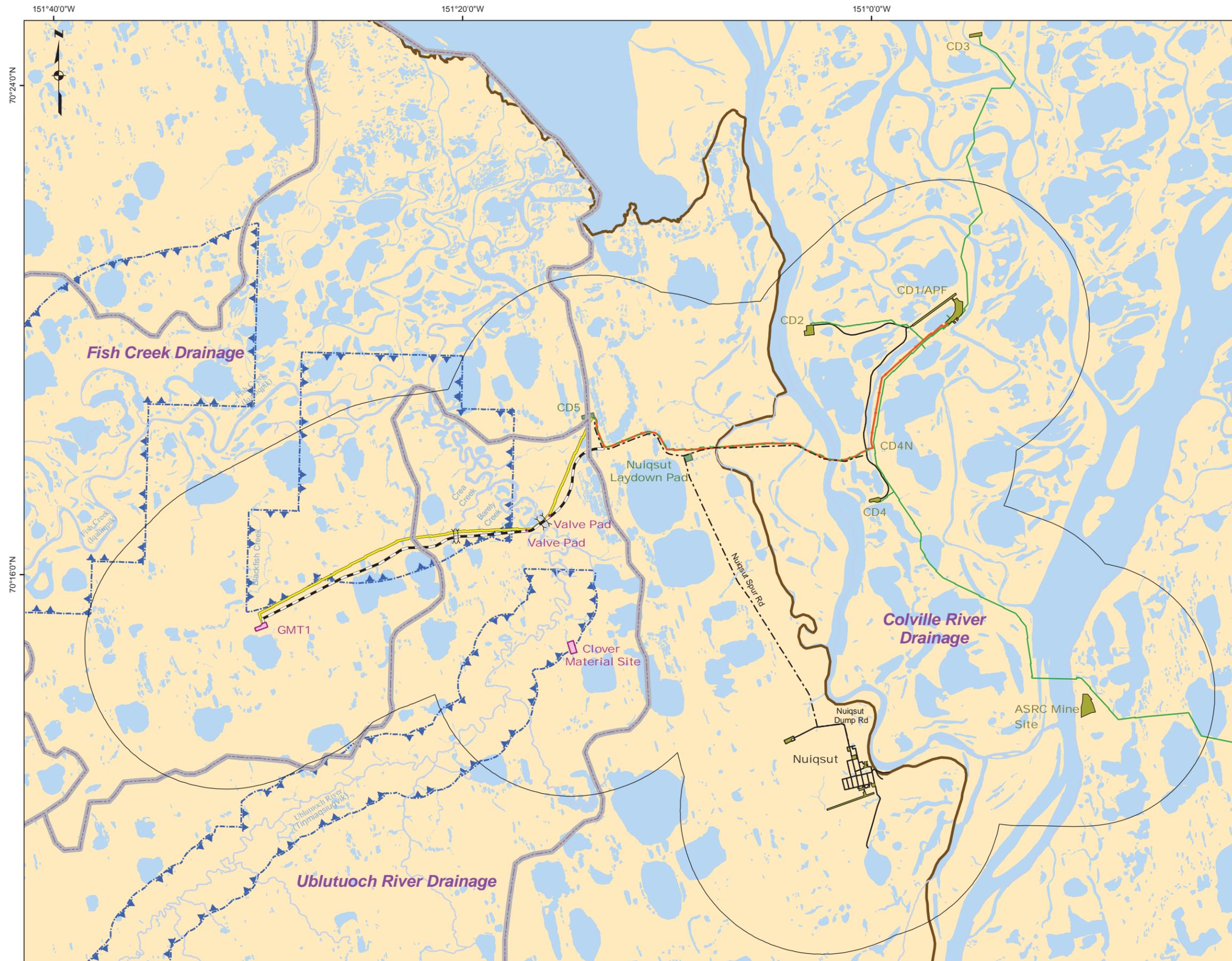


Figure 3.2-2

**DSEIS
Drainage Basins**

- | | |
|---|---|
| Alternative A Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| | Road |
| | Facility |
| Boundary | |
| Project Study | Drainage Basin |
| NPR-A | Drainage Basin |
| Fish Creek 3 mi Ublutuoch River 0.5 mi Setback Area | |

Footnote:
1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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Figure 3.2-3

**Project Area
Surface Water Bodies**

- | | |
|---|---|
| Alternative A Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Existing |
| Facility | Pipeline |
| | Road |
| | Facility |
| Boundary | |
| Project Study Area | |
| NPR-A | |

Footnote:
1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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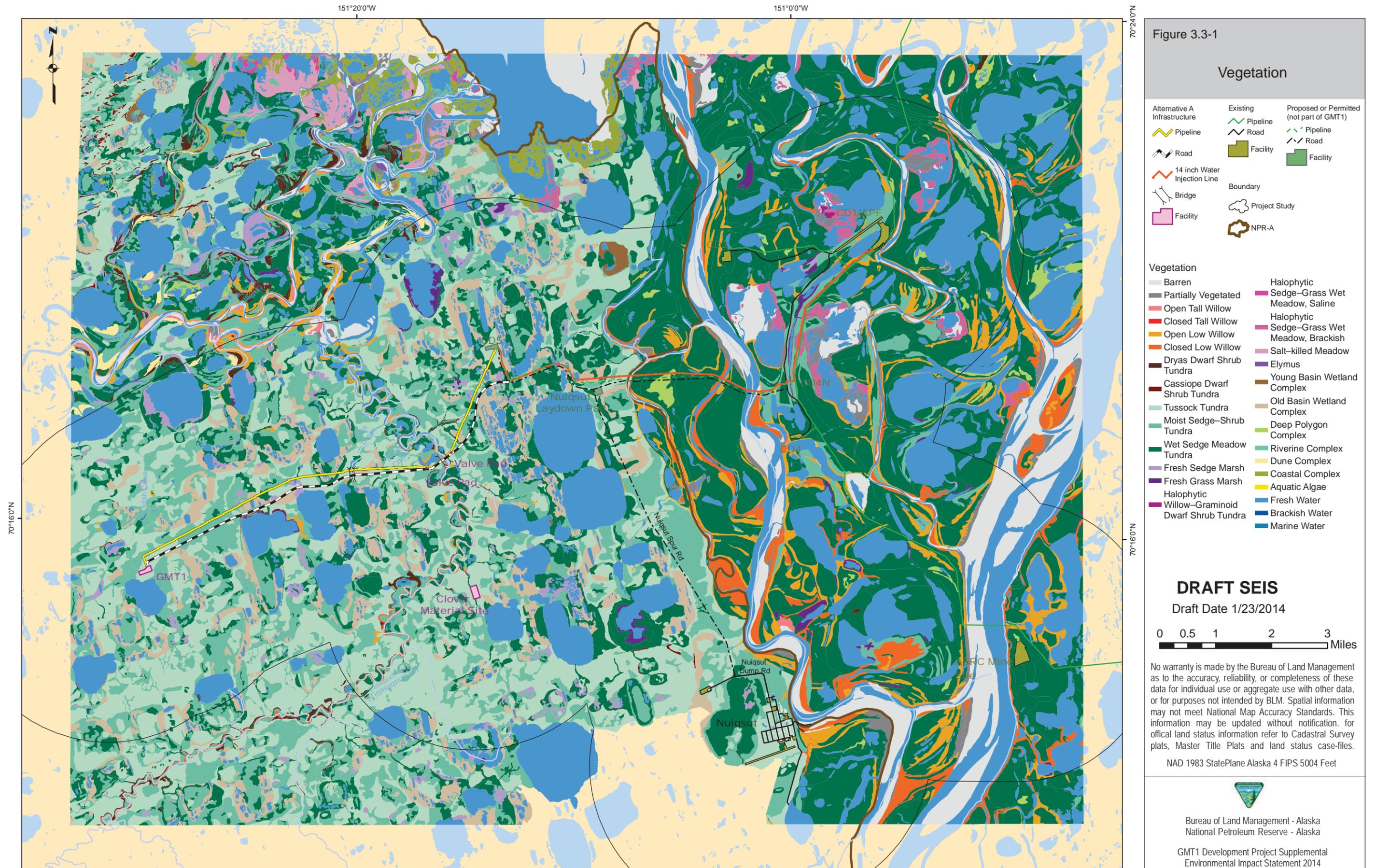
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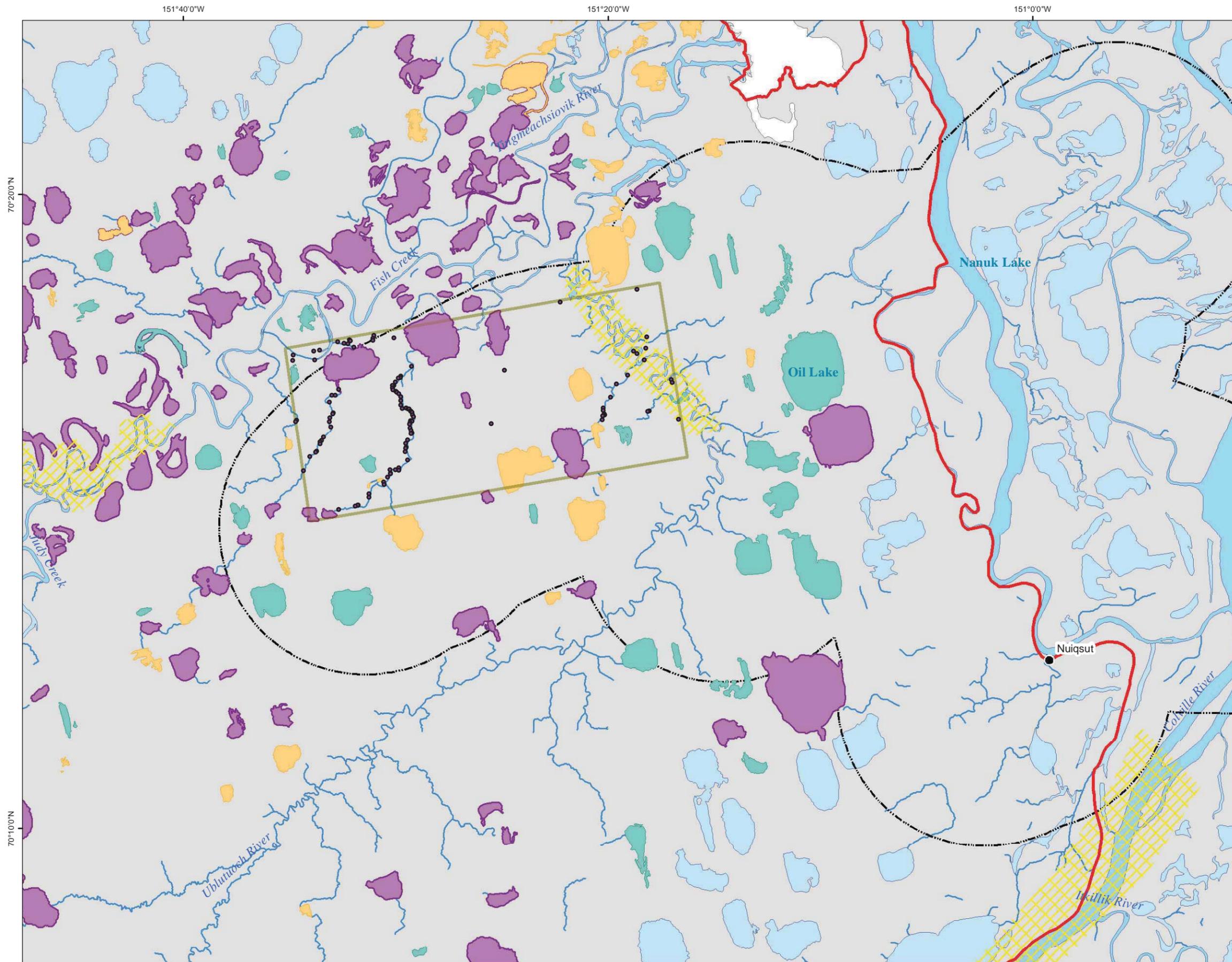


Figure 3.3-2
**Potential and Known
 Fish Overwintering Habitats**

- Fish Wintering Areas
- Bedfast Ice Regime
- Transitional Ice Regime
- Floating Ice Regime
 - stream pool features with floating ice
- Waterbodies not analyzed
- Jones Project Extent
- GMT1 SEIS Project Areas
 - GMT1 Alts 2.5-Mile Buffer
- NPR-A Boundary

Data Sources:
 Morris, 2003
 Arp, 2012
 Jones, 2013

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0 0.5 1 2 3 Miles

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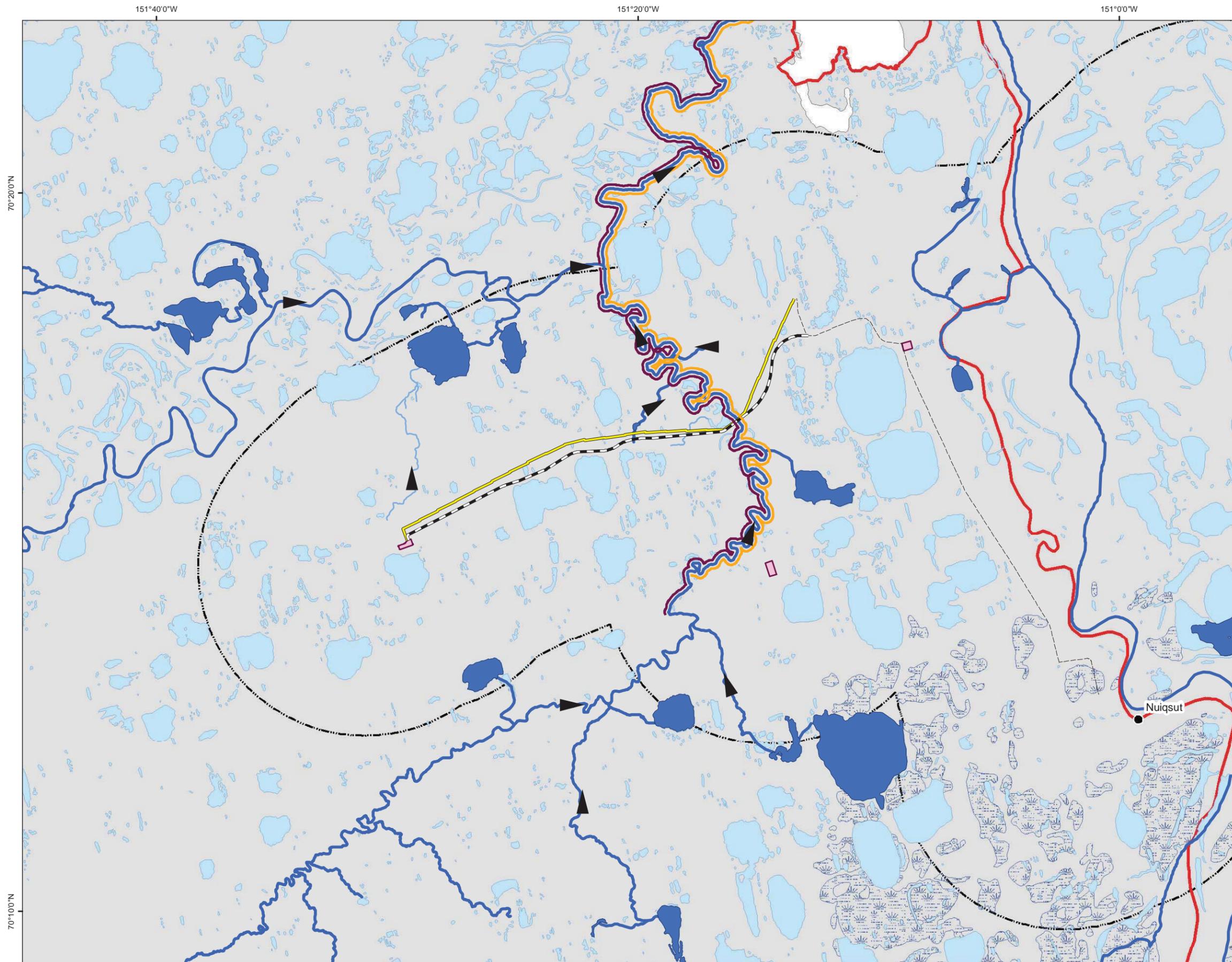


Figure 3.3-3
Anadromous Waters and
Essential Fish Habitat

- Anadromous Waters**
- Streams (black arrows indicate stream flow direction)
 - Lakes
- Essential Fish Habitat**
- KSp- chum salmon present upstream extent
 - CSp- Chum salmon & PSp- Pink salmon present upstream extent
- Waterbodies**
- Lake/Pond
 - Swamp/Marsh
- GMT-1 Proposed Project**
- Pipeline
 - Road
 - Road (Not part of GMT 1)
 - Facility
- GMT1 SEIS Project Areas
- GMT1 Alts 2.5-Mile Buffer
 - NPR-A Boundary

Data Sources:
Anadromous Waters
Catalog (ADFG), 2013

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0 0.45 0.9 1.8 2.7 Miles

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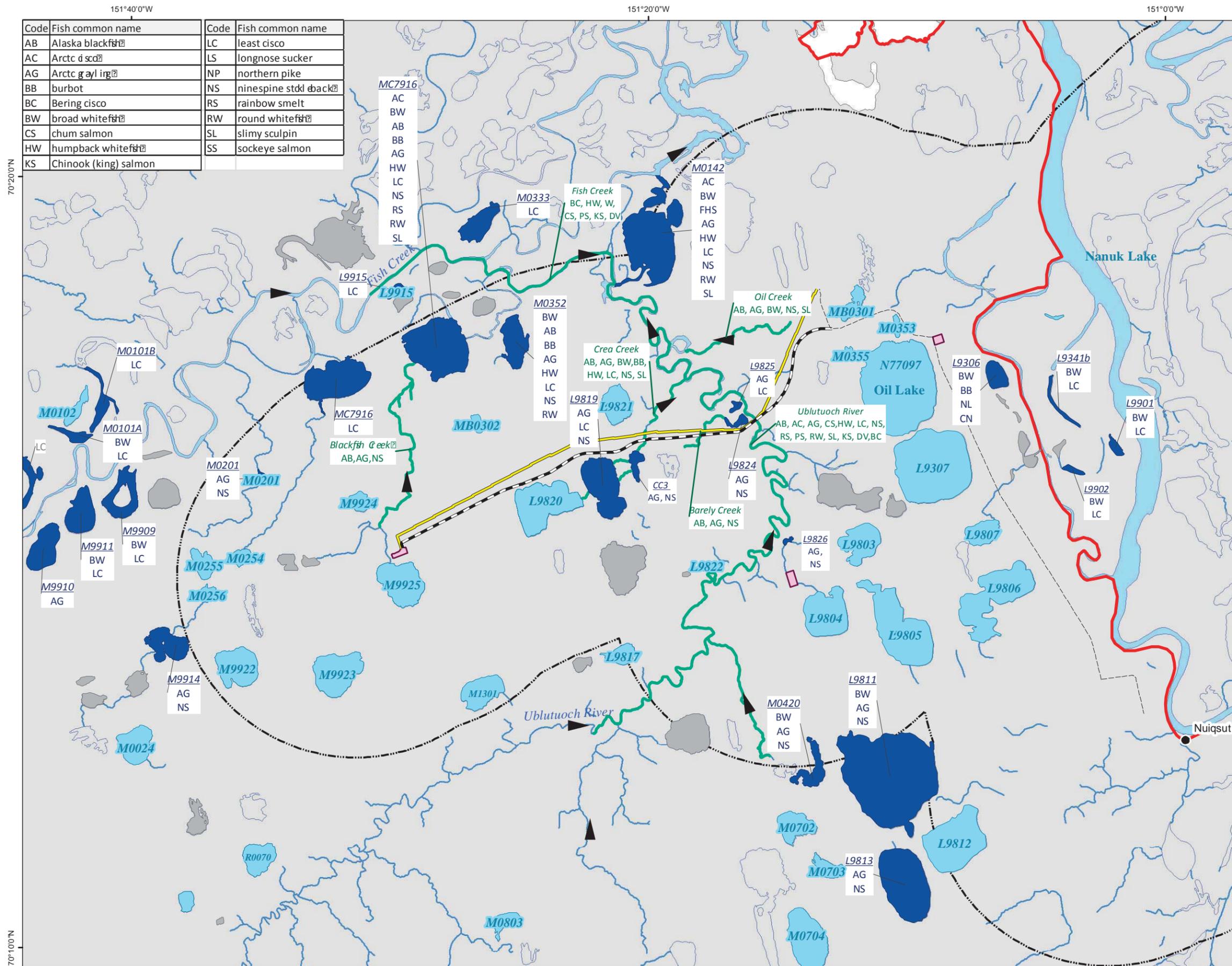


Figure 3.3-4

Fish species distribution

- Multiple fish species present in river/stream (black arrows indicate stream flow direction)
- Species other than ninespine stickleback seen
- Only ninespine stickleback seen
- Waterbody surveyed - no fish seen
- Waterbody not surveyed

GMT-1 Proposed Project

- Pipeline
- Road
- Road (Not part of GMT 1)
- Facility

GMT1 SEIS Project Areas

- GMT1 Alts 2.5-Mile Buffer
- NPR-A Boundary

Data Sources:
 CPAI, 2013
 Anadromous Waters Catalog (ADFG), 2013
 BLM, unpublished data

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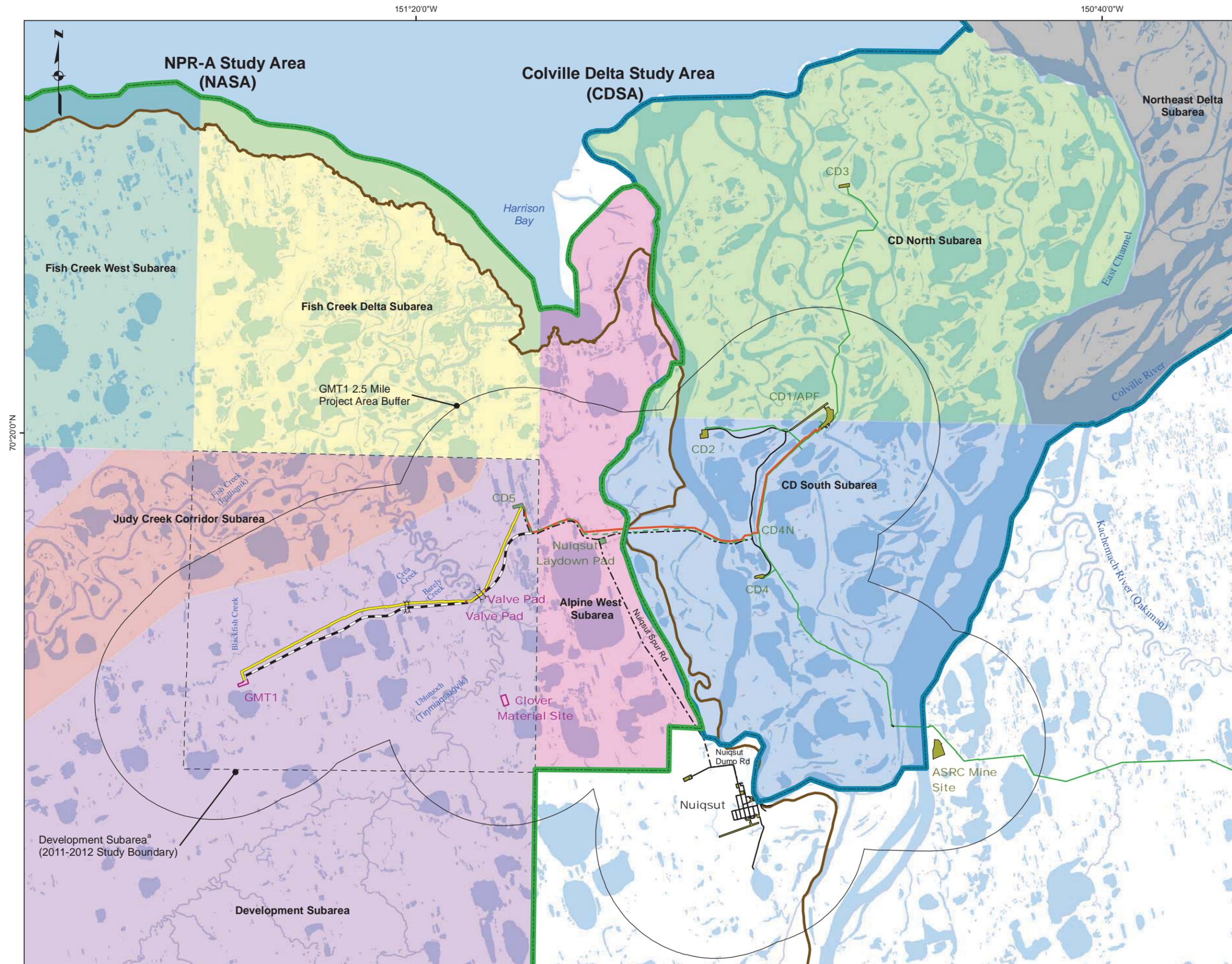
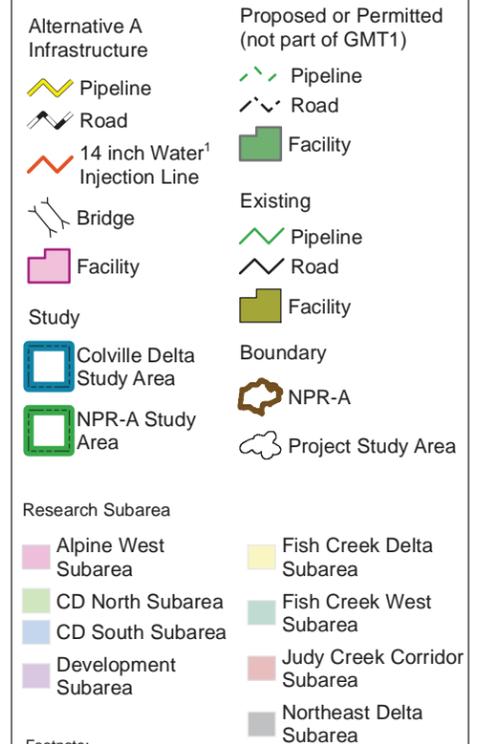


Figure 3.3-5
CPAI/ABR Avian Study Areas
in Relation to Project Study Area



Footnote:
a= Aerial survey boundary extent for the development subarea was reduced eastward for 2011-2012 avian surveys. The boundary for previous aerial surveys of the Development subarea ran approximately along 152-15'W.
Footnote:
1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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151°20'0"W

151°0'0"W

70°24'0"N

70°16'0"N

70°16'0"N

Habitat Type	Area (ac)	Project Study Area (%)
Patterned Wet Meadow	19,106.6	21%
Moist Tussock Tundra	15,973.3	18%
Moist Sedge-Shrub Meadow	15,187.1	17%
Deep Open Water without Islands	6,834.3	8%
Old Basin Wetland Complex	5,507.6	6%
Nonpatterned Wet Meadow	4,707.1	5%
Moist Low Shrub	4,612.9	5%
Barrens	3,670.0	4%
Tapped Lake with High-water Connection	3,012.5	3%
Deep Open Water with Islands or Polygonized Margins	2,804.8	3%
River or Stream	2,464.1	3%
Tapped Lake with Low-water Connection	1,324.7	1%
Sedge Marsh	969.8	1%
Shallow Open Water with Islands or Polygonized Margins	967.5	1%
Shallow Open Water without Islands	669.5	1%
Salt Marsh	625.1	1%
Grass Marsh	438.2	<1%
Human Modified	311.8	<1%
Deep Polygon Complex	278.2	<1%
Riverine Complex	162.5	<1%
Young Basin Wetland Complex	120.6	<1%
Dry Dwarf Shrub	96.6	<1%
Moist Dwarf Shrub	85.6	<1%
Dune Complex	41.4	<1%
Moist Tall Shrub	25.1	<1%
Brackish Water	19.2	<1%
Moist Halophytic Dwarf Shrub	18.3	<1%
Dry Tall Shrub	12.7	<1%
Salt-killed Tundra	12.1	<1%
Total Mapped in Project Study Area	90,058.9	100%

1. Note that 12,428 ac (12%) of the project study area extends outside of the habitat map coverage. All the project facilities under all the alternatives are within areas of mapped vegetation.

Figure 3.3-6
Wildlife Habitat of the GMT1 Project Area

Alternative A Infrastructure

- Pipeline
- Road
- 14 inch Water Injection Line
- Bridge
- Facility

Existing

- Pipeline
- Road
- Facility

Proposed or Permitted (not part of GMT1)

- Pipeline
- Road
- Facility

Boundary

- Project Study
- NPR-A

Habitat

- Barrens
- Brackish Water
- Deep Open Water with Islands or Polygonized Margins
- Deep Open Water without Islands
- Deep Polygon Complex
- Dry Dwarf Shrub
- Dry Halophytic Meadow
- Dry Tall Shrub
- Dune Complex
- Grass Marsh
- Human Modified
- Moist Dwarf Shrub
- Moist Halophytic Dwarf Shrub
- Moist Low Shrub
- Moist Sedge-Shrub Meadow
- Moist Tall Shrub
- Moist Tussock Tundra
- Nonpatterned Wet Meadow
- Old Basin Wetland Complex
- Open Nearshore Water
- Patterned Wet Meadow
- River or Stream
- Riverine Complex
- Salt Marsh
- Salt-killed Tundra
- Sedge Marsh
- Shallow Open Water with Islands or Polygonized Margins
- Shallow Open Water without Islands
- Tapped Lake with High-water Connection
- Tapped Lake with Low-water Connection
- Tidal Flat Barrens
- Young Basin Wetland Complex

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0 0.5 1 2 3 Miles

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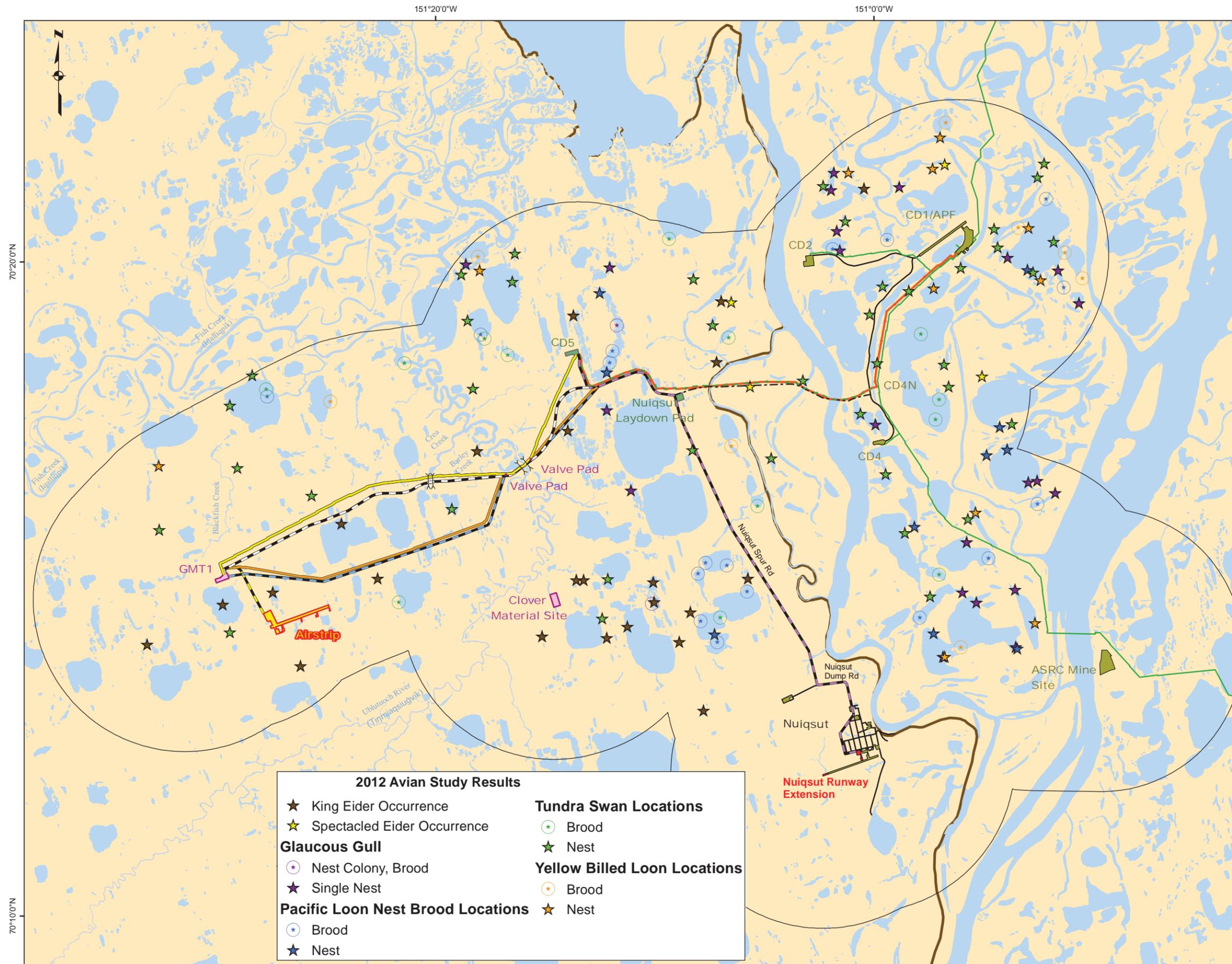


Figure 3.3-7
2012 Avian Survey in Relation to Project Study Area

- | | |
|---|---|
| Alternative A Infrastructure | Alternative B Infrastructure |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ² Injection Line | 14 inch Water ² Injection Line |
| Bridge | Bridge |
| Facility | Facility |
| Alternative C Infrastructure | Alternative D Infrastructure |
| Pipeline | Pipeline |
| GMT1 to CD5 Road | Access Road |
| Nuiqsut Spur Road and Airport Access Road | 14 inch Water ^{1,2} Injection Line |
| 14 inch Water ² Injection Line | Bridge |
| Bridge | Facility |
| Facility | Airstrip |
| Nuiqsut Runway Extension | Proposed or Permitted (not part of GMT1) |
| Boundary | Pipeline |
| Project Study Area | Road |
| NPR-A | Facility |
| | Existing |
| | Pipeline |
| | Road |
| | Facility |

Footnote:
 1: Pipeline includes a 2 inch diesel line & 2 inch waterline from CD1 to GMT1
 2: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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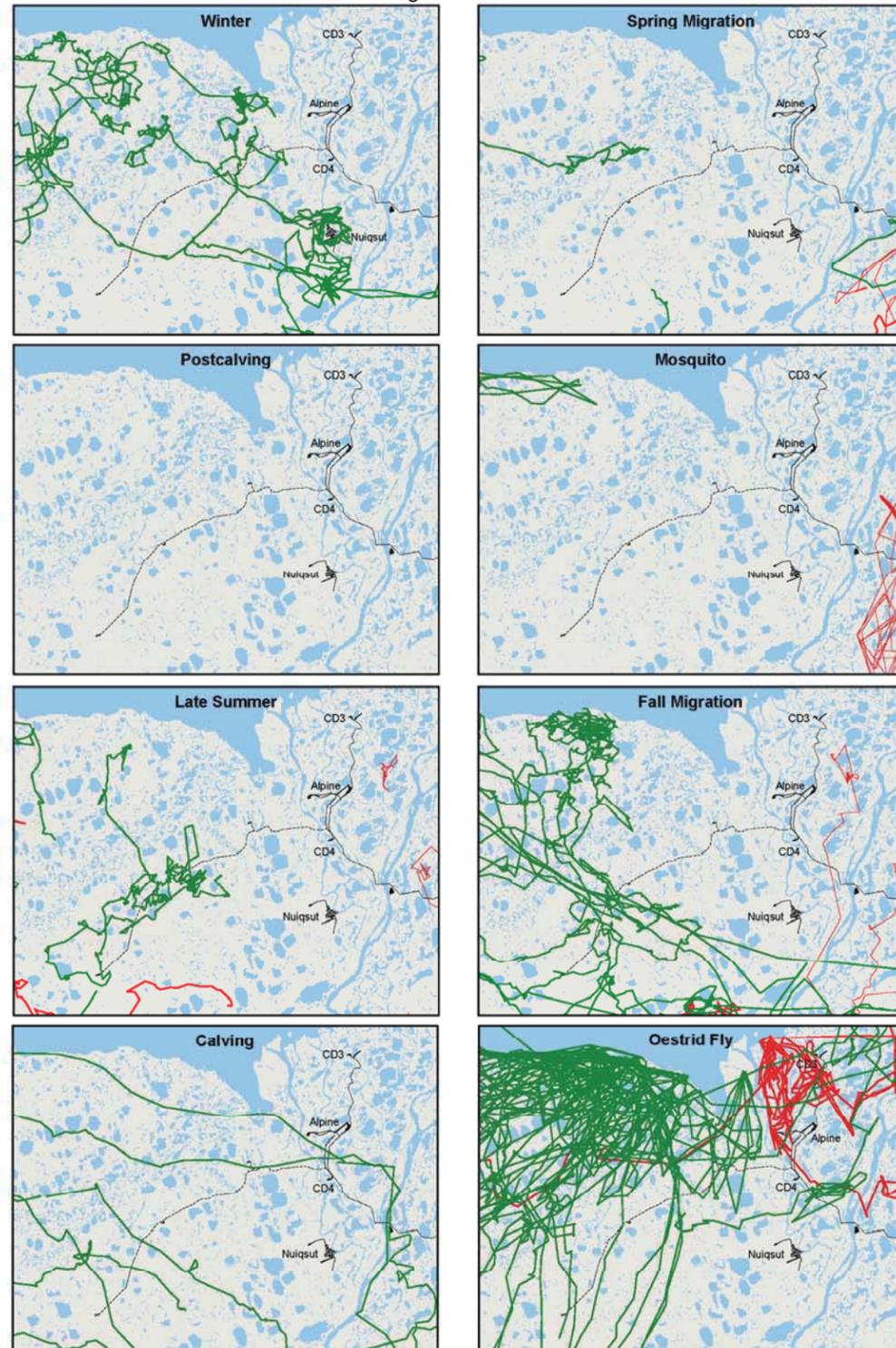


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- | | |
|--|-------------------------------------|
| 2012 Avian Study Results | |
| King Eider Occurrence | Tundra Swan Locations |
| Spectacled Eider Occurrence | Brood |
| Glaucous Gull | Nest |
| Nest Colony, Brood | Yellow Billed Loon Locations |
| Single Nest | Brood |
| Pacific Loon Nest Brood Locations | Nest |
| Brood | |
| Nest | |

Movements of GPS-collared caribou from the Teshekpuk Herd (2004-2012) and Central Arctic Herd (2003-2006 and 2008-2012) in the vicinity of the proposed ASDP road during 8 different seasons.



Distribution and size of caribou groups during different seasons in the NPR-A, Colville River Delta, and Colville East survey areas, April-October 2012.

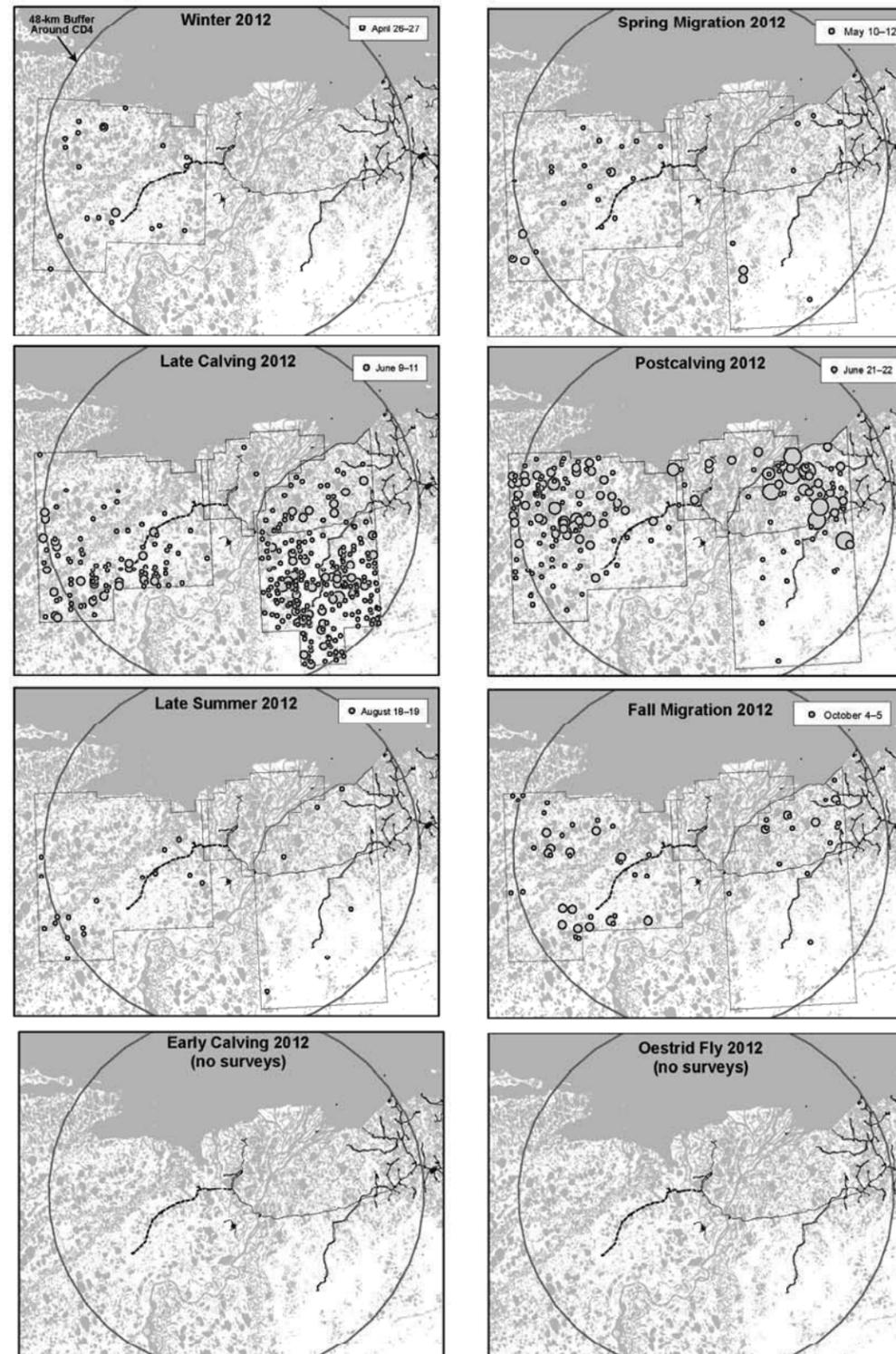
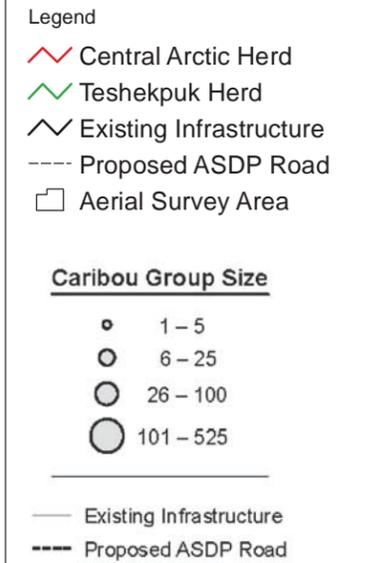


Figure 3.3-10
Ranges of the Teshekpuk and Central Arctic Caribou Herds, GPS and Aerial



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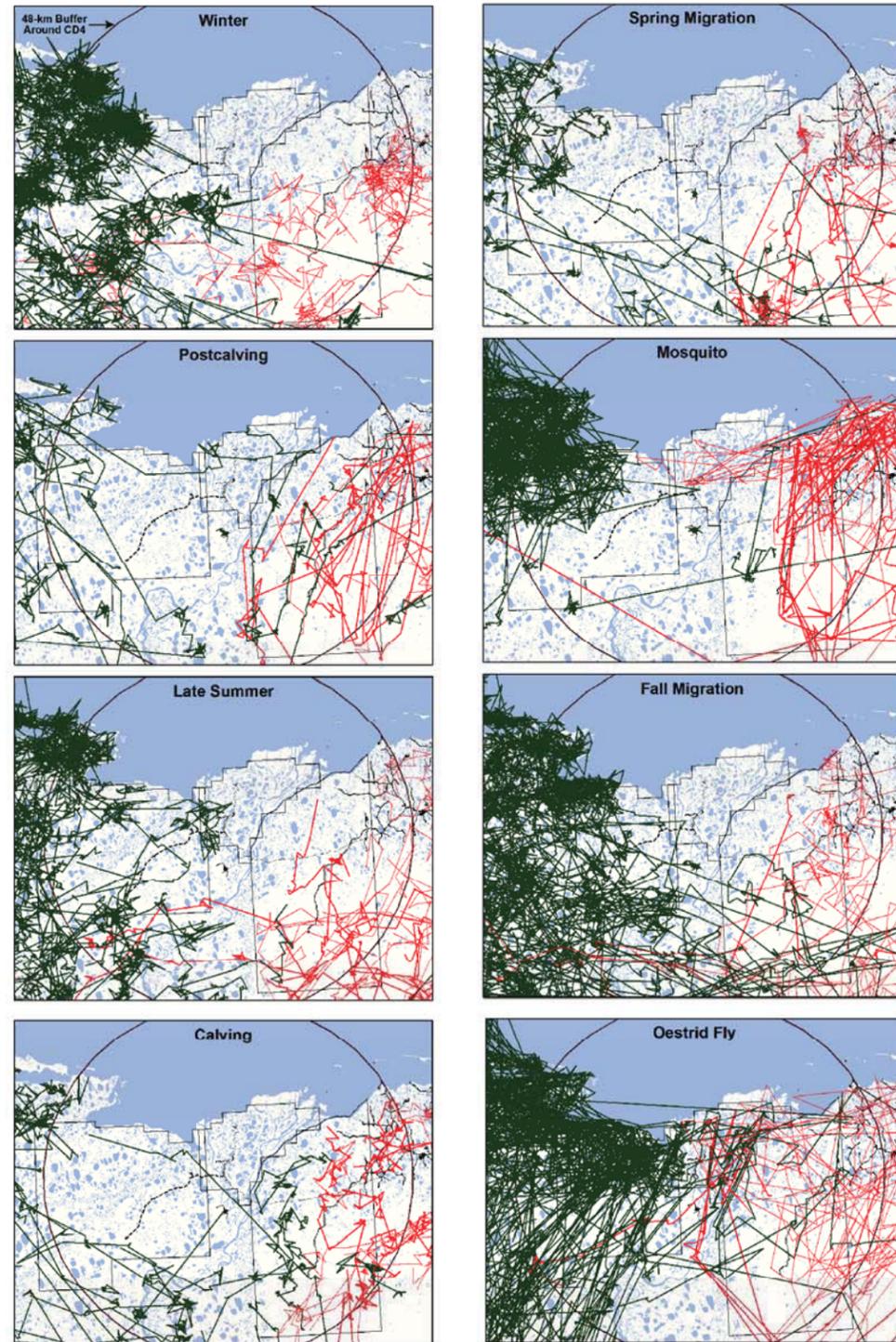
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Movements of satellite-collared caribou from the Teshekpuk Herd (1990-2012 and Central Arctic Herd (1986-1990 and 2001-2009) in the ASDP study area during 8 different seasons.



Movements of GPS-collared caribou from the Teshekpuk Herd (2004-2012) and Central Arctic Herd (2003-2006, 2008-2012) in the ASDP study area during 8 different seasons.

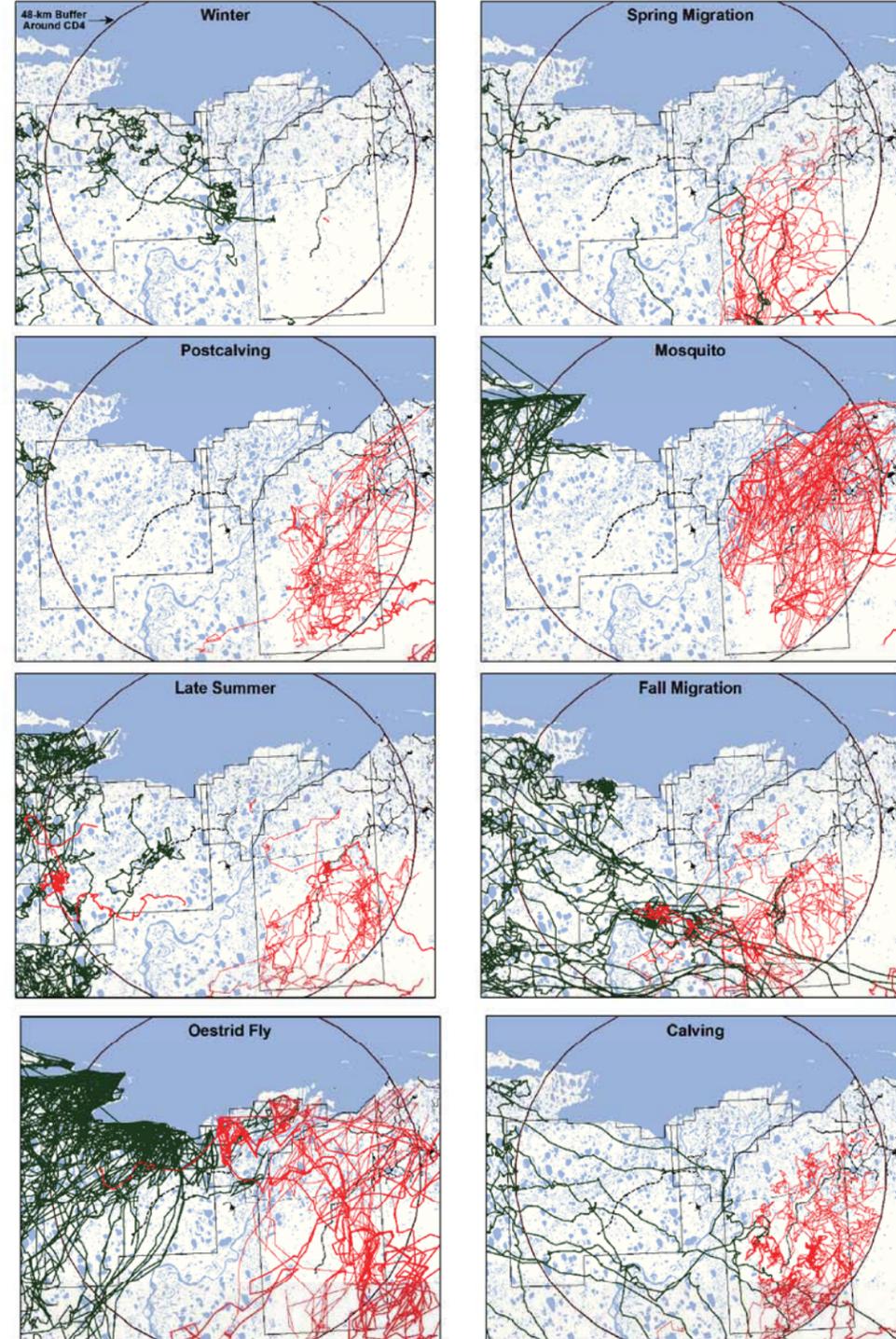


Figure 3.3-11
Ranges of the Teshekpuk and Central Arctic Caribou Herds, Satellite and GPS

- Legend
- ↗ Central Arctic Herd
 - ↗ Teshekpuk Herd
 - ↗ Existing Infrastructure
 - Proposed ASDP Road
 - Aerial Survey Area

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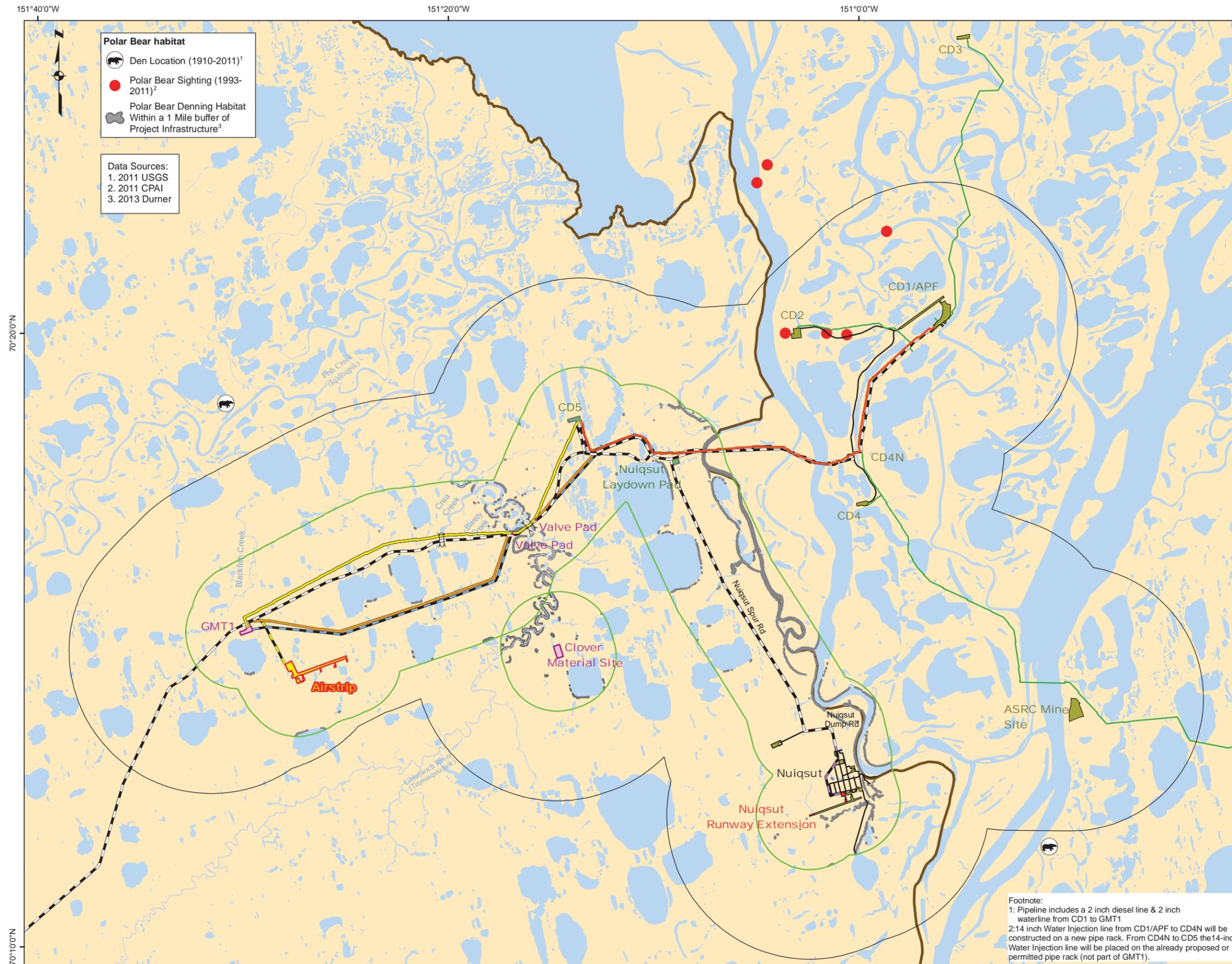
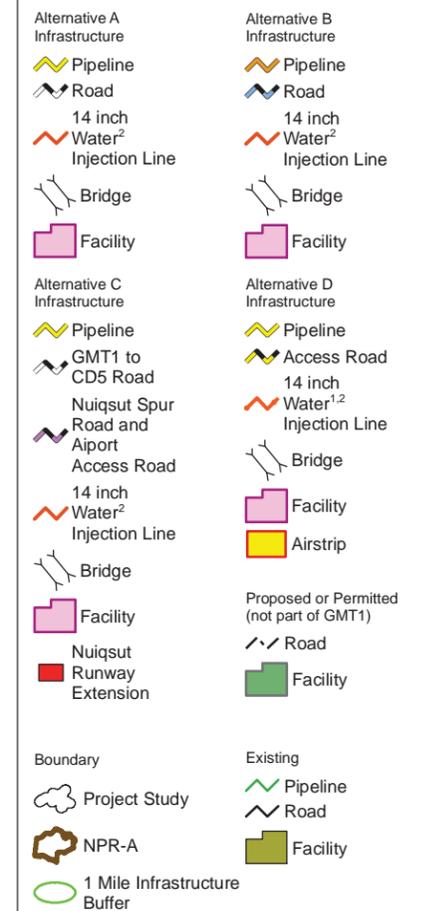
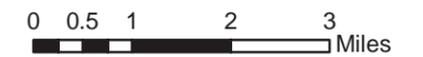


Figure 3.3-12

Polar Bear Habitat



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158°20'0"W 157°40'0"W 157°0'0"W 156°20'0"W 155°40'0"W 155°0'0"W 154°20'0"W 153°40'0"W 153°0'0"W 152°20'0"W 151°40'0"W 151°0'0"W 150°20'0"W 149°40'0"W 149°0'0"W 148°20'0"W 147°40'0"W 147°0'0"W 146°20'0"W 145°40'0"W 145°0'0"W 144°20'0"W 143°40'0"W 143°0'0"W 142°20'0"W

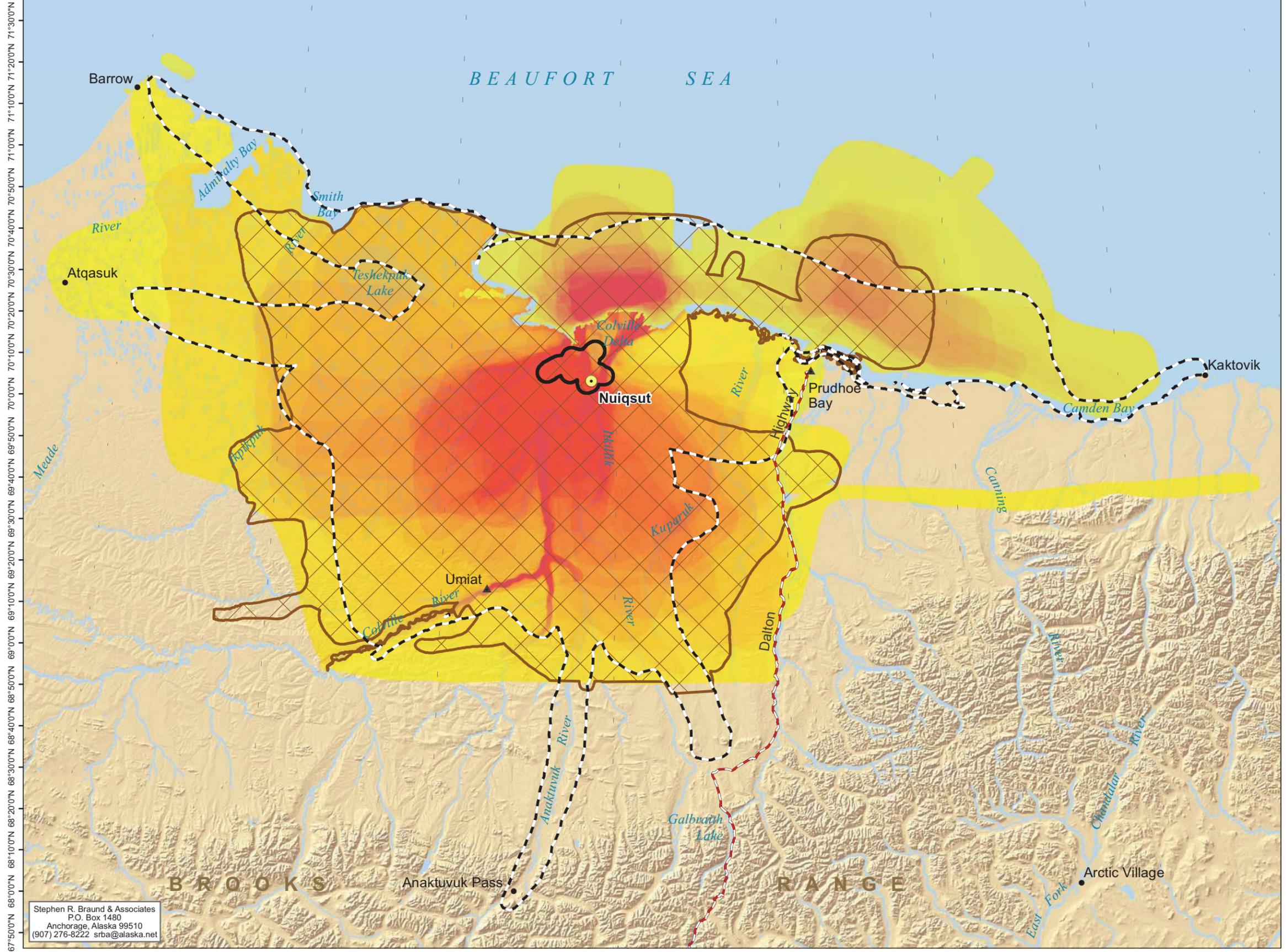


Figure 3.4-1
Nuiqsut Contemporary Subsistence Use Areas, All Resources

Legend

- All Resources, 1973-1986 (Source: Pedersen 1986)
- All Resources, 1994-2003 (Source: SRBA 2003)
- Overlapping Subsistence Use Areas All Resources, 1995-2006, 756 use areas reported by 33 respondents (Source: SRBA 2010a)

- Project Study Area
- Subsistence Study Community
- Other Community
- Other Place

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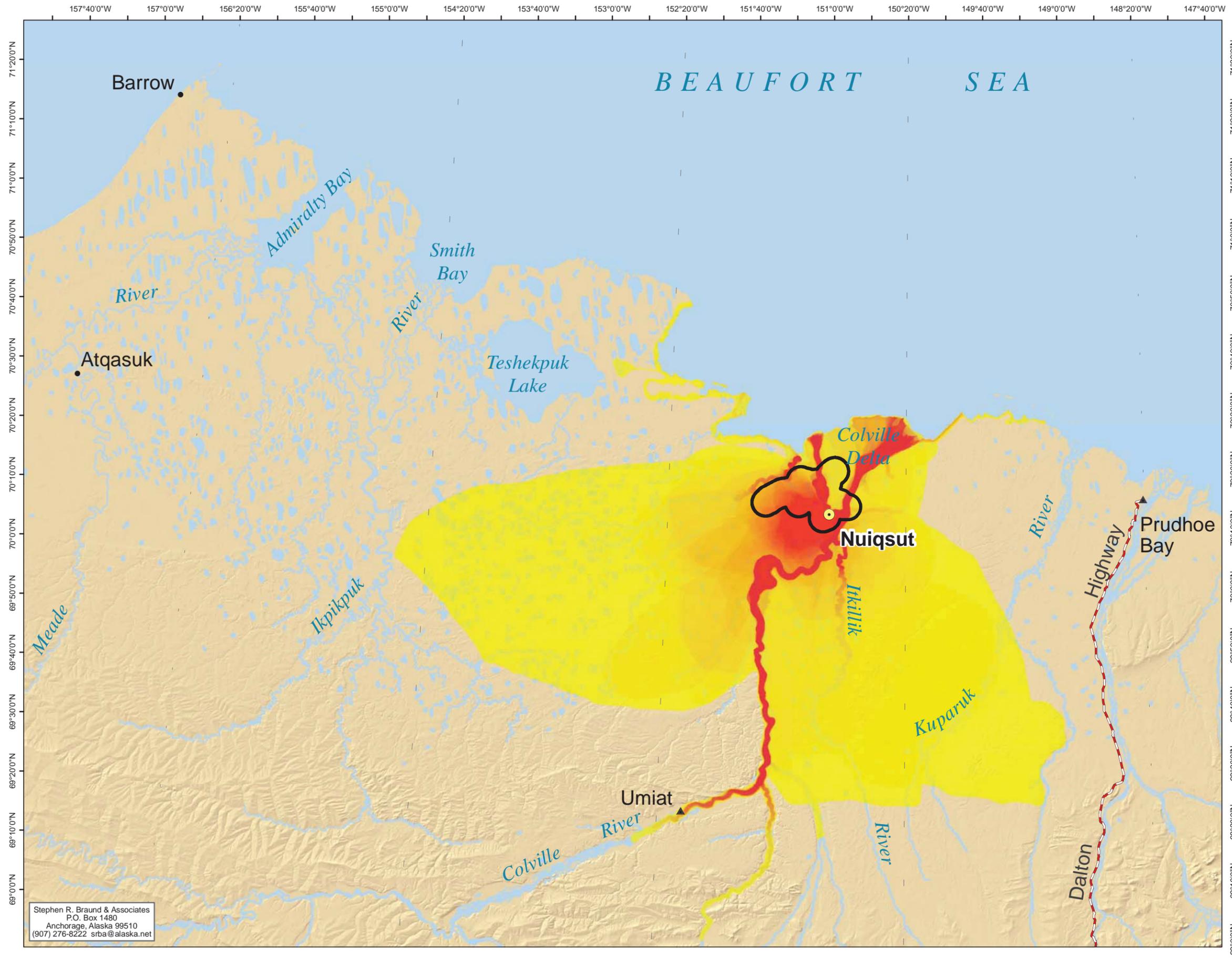


Figure 3.4-2
Nuiqsut Caribou Subsistence Use Areas, 2008-2011

Legend

Overlapping Subsistence Use Areas Caribou, 2008-2011, 731 use areas reported by 96 respondents (Sources: SRBA 2010b, SRBA 2011, SRBA 2012, SRBA 2013)

- High
 - Low
- Project Study Area
 - Subsistence Study Community
 - Other Community
 - Other Place

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0 5 10 20 30 Miles

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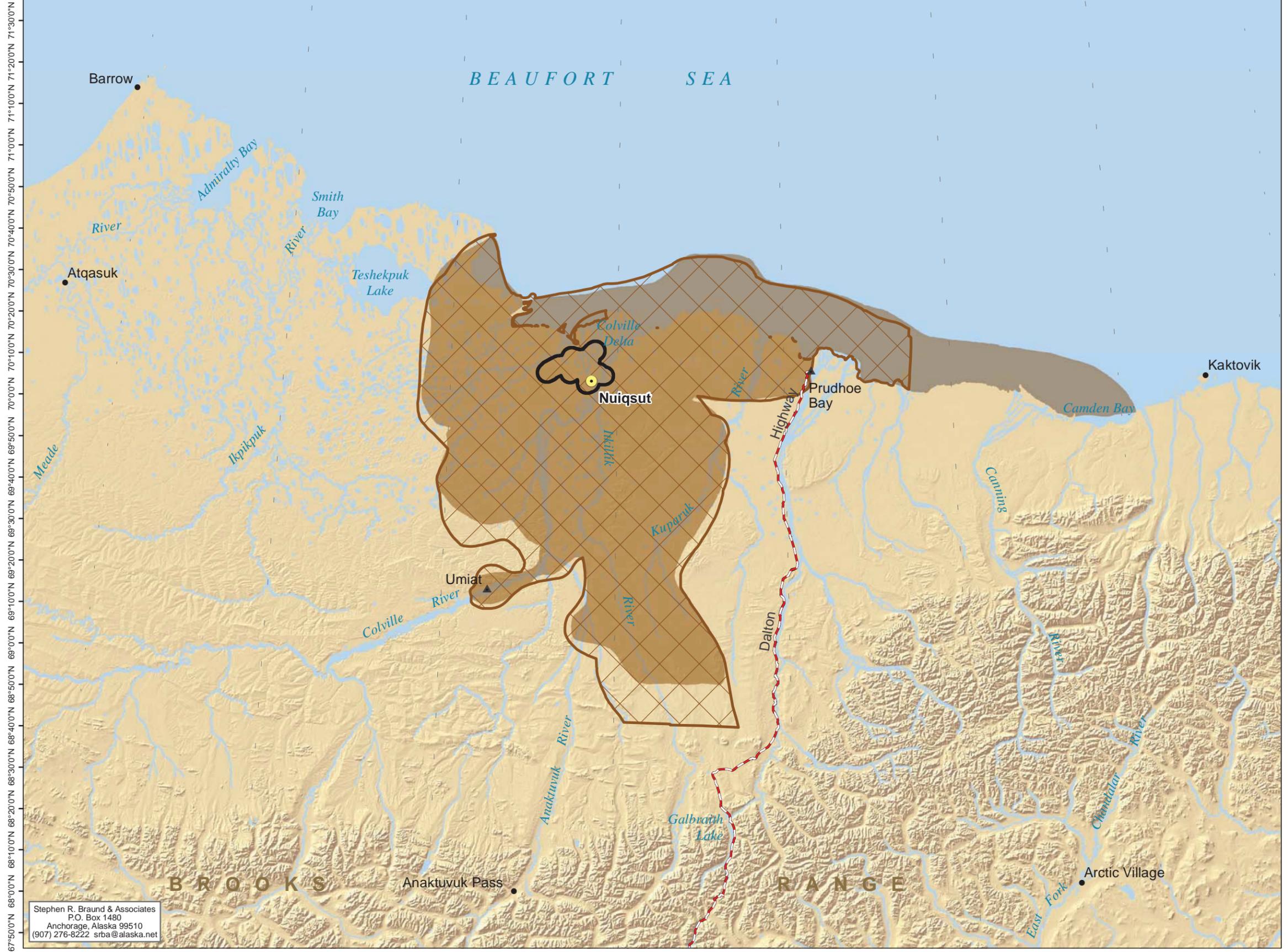


Figure 3.4-3
Nuiqsut Historic and Lifetime
Subsistence Use Areas,
All Resources

Legend

- All Resources, Lifetime (Source: Pedersen 1979)
- All Resources, Early 1970s (Source: Brown 1979)

- Project Study Area
- Subsistence Study Community
- Other Community
- Other Place

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0 5 10 20 30
 Miles

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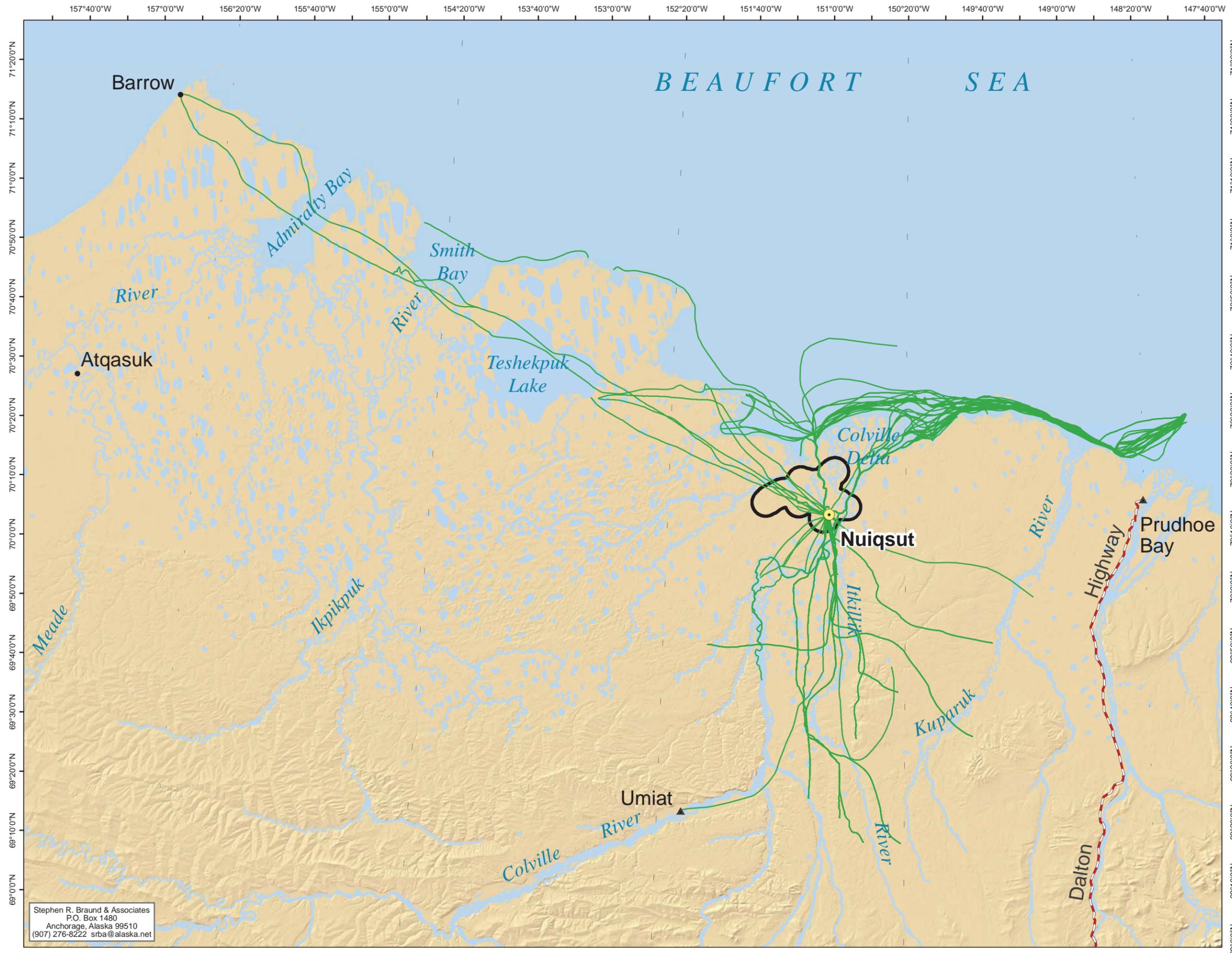


Figure 3.4-10
**Nuiqsut Travel Routes
 in the Project Area**

Legend
 — Nuiqsut Travel Route
 (Source: SRBA 2010a)

- Project Study Area
- Subsistence Study Community
- Other Community
- Other Place

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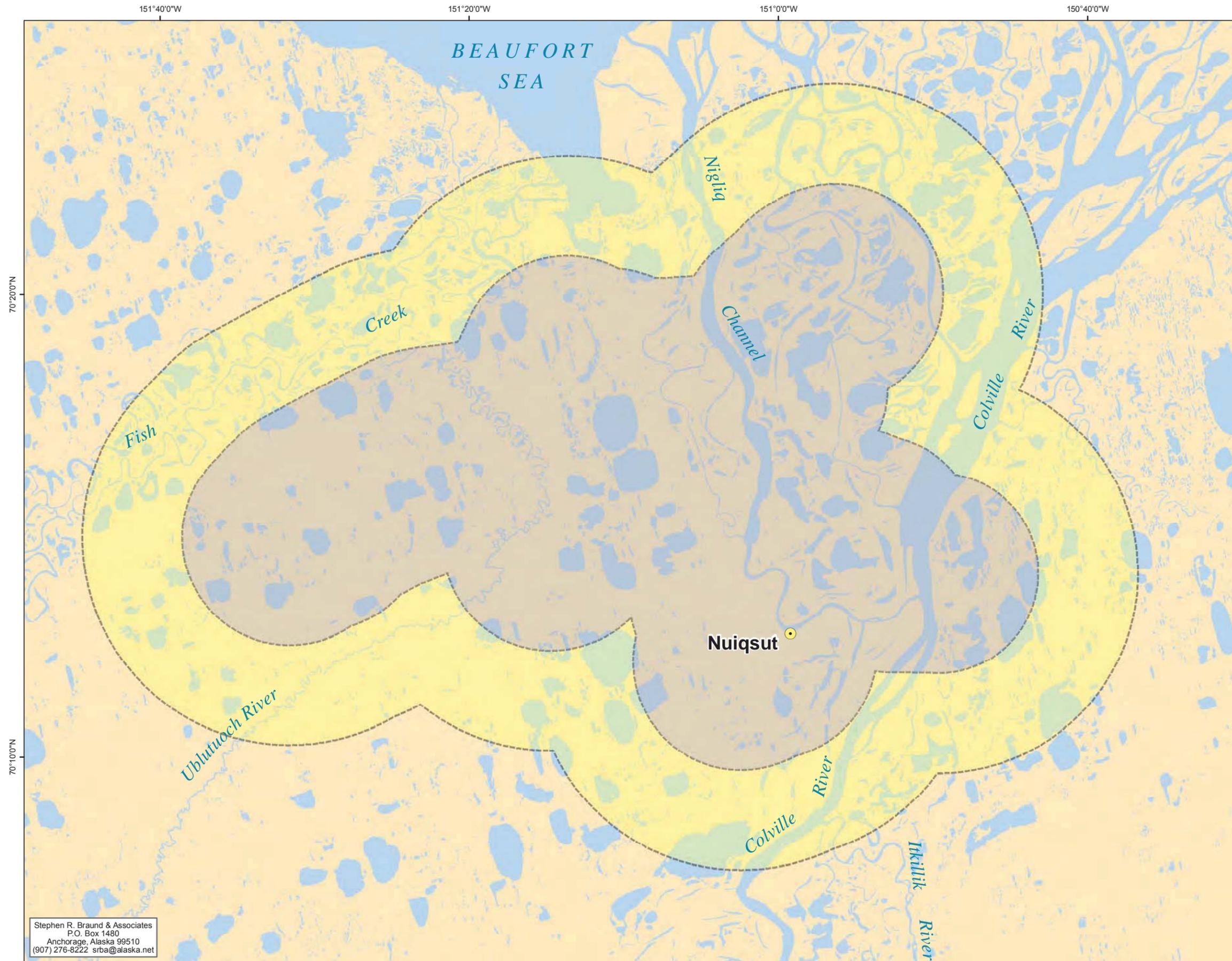
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Figure 3.4-14

Impact Analysis Areas

Legend

-  Indirect Impacts Analysis Area (i.e., Project Study Area)
-  Visual and Noise Impacts Analysis Area

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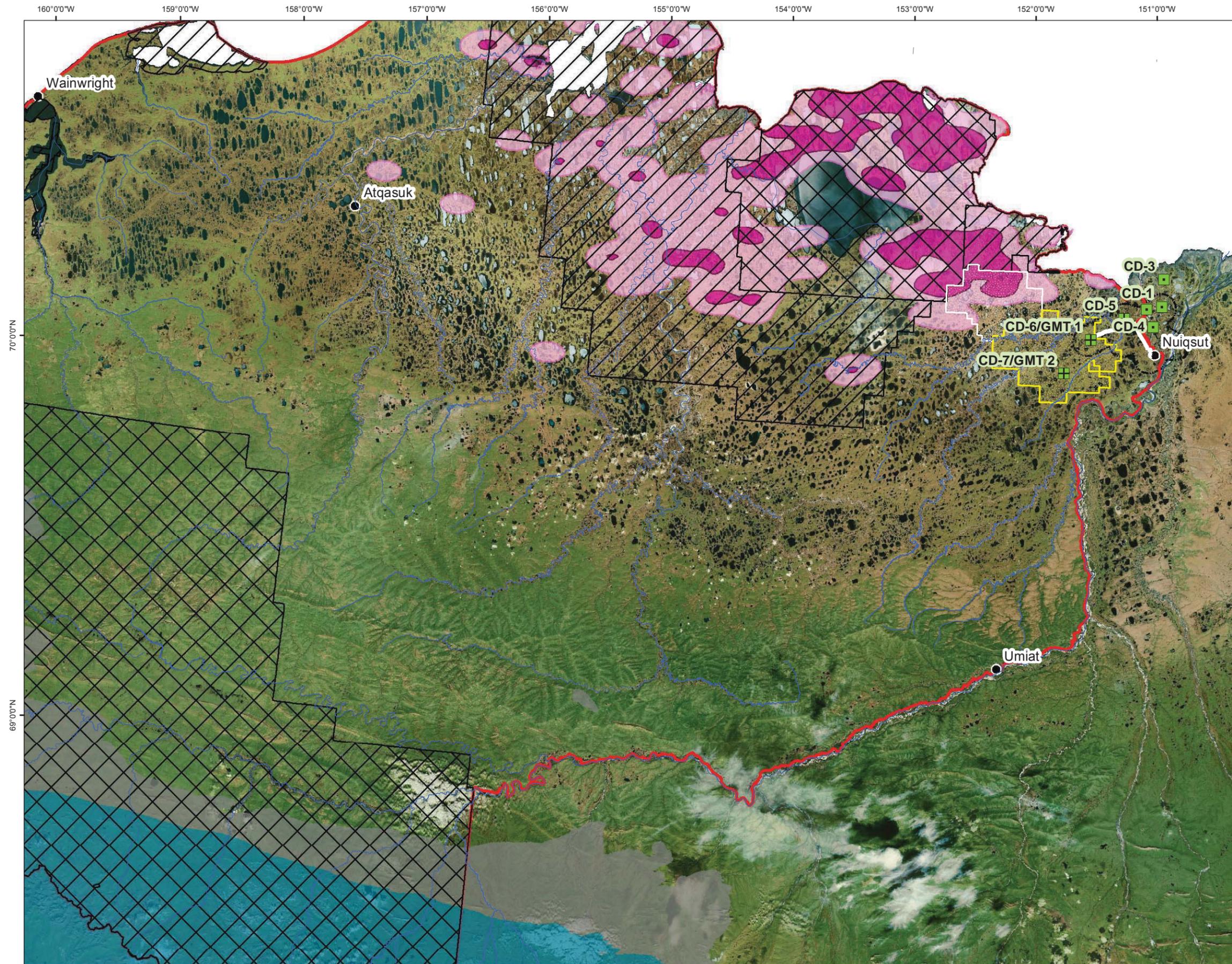


Figure 3.4-15

Caribou Summer Areas

**Teshkepkuk Lake Caribou Herd
Mosquito Relief Areas**
(1990-2010 Satellite Telemetry Data)
1-15 July
Kernel Density Analysis - Density Contour

- 50 %
- 95 %

**Western Arctic Caribou Herd
Summer Line Density**
(1988 - 2010)

- 1-2 movement lines crossing each 200 sq mi grid
- >2 movement lines crossing each 200 sq mi grid

Oil & Gas Leasing

- Unavailable
- Unavailable- no new non-subsistence infrastructure
- Greater Moose's Tooth Unit
- Bears Tooth Unit

CONOCO PHILLIPS

- Existing Facility
- Proposed Facility
- Proposed Roads

NPR-A Boundary



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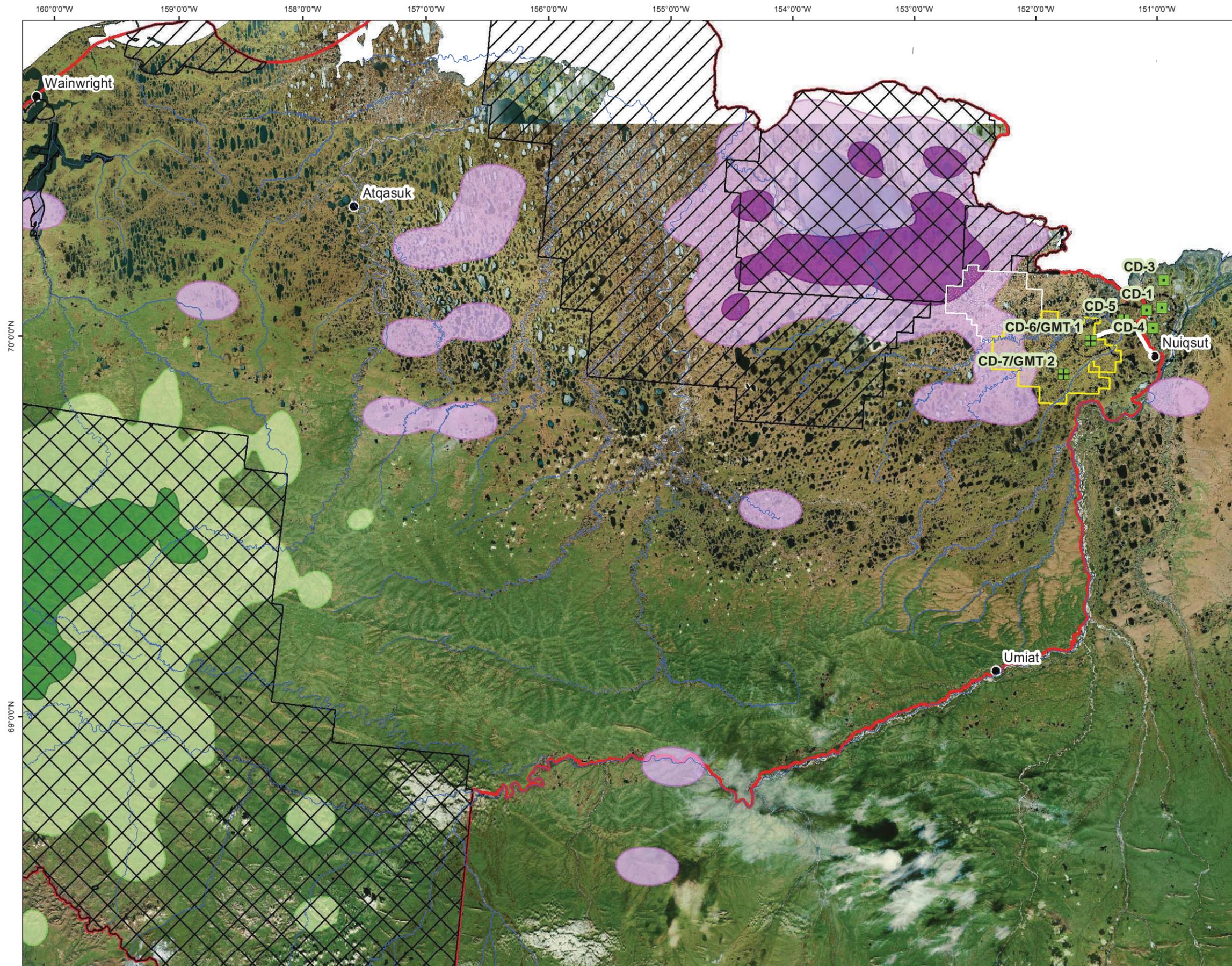


Figure 3.4-16

Caribou Calving Areas

Teshekpuk Lake Caribou Herd Calving Areas
 (1990-2010 Satellite Telemetry Data)
Successful Females Only, 1-15 July
 Kernel Density Analysis - Density Contour

- 50 %
- 95 %

Western Arctic Caribou Herd Calving Areas
 (1987 - 2010, excluding 1990-1991)
 Kernel Density Analysis - Density Contour

- 50 %
- 95 %

Oil & Gas Leasing

- Unavailable
- Unavailable- no new non-subsistence infrastructure
- Greater Moose's Tooth Unit
- Bears Tooth Unit

CONOCO PHILLIPS

- Existing Facility
- Proposed Facility
- Proposed Roads

NPR-A Boundary



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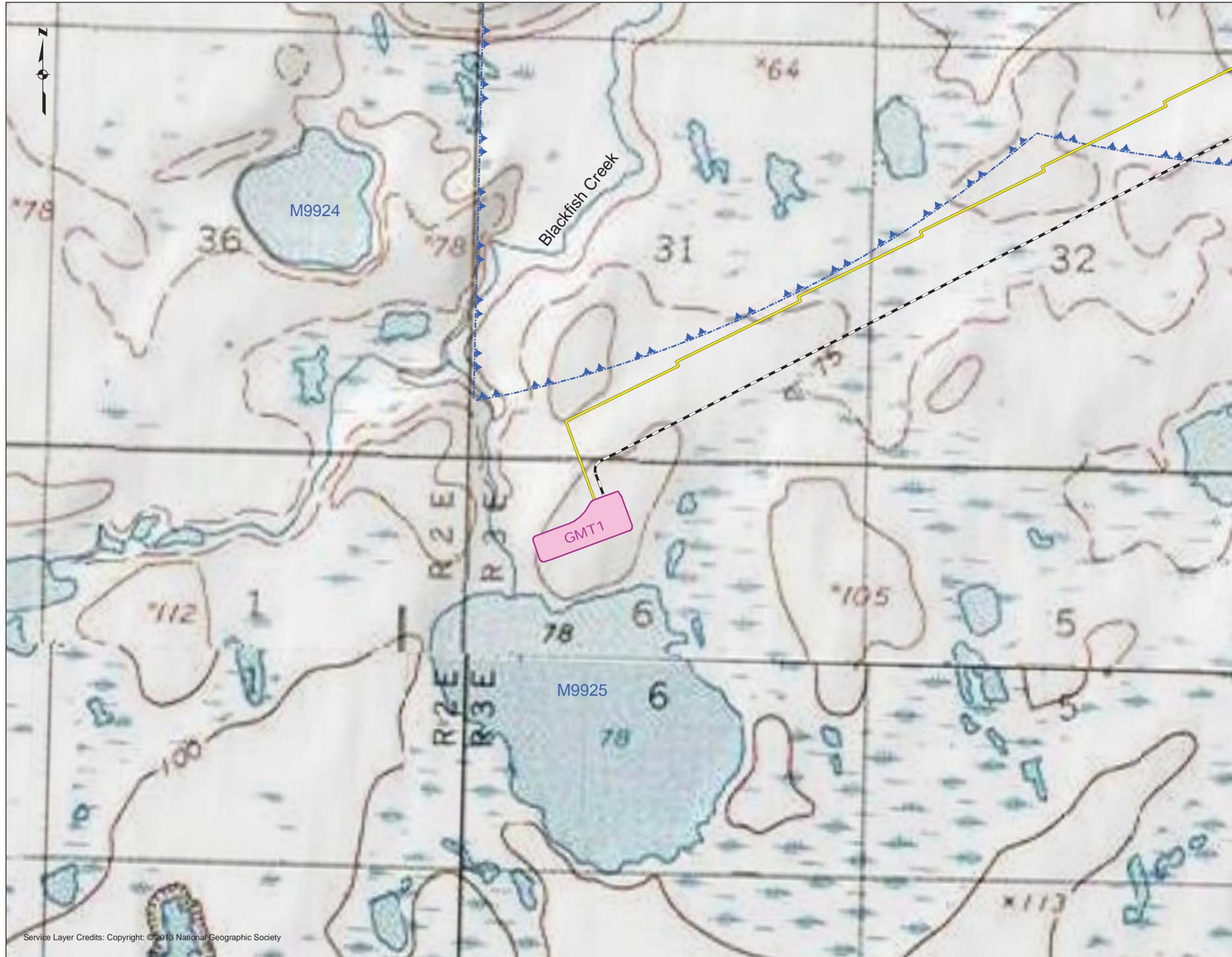
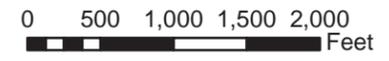


Figure 4.2-1
**Water Resources
 Near the GMT1 Pad**

- GMT1 SEIS Infrastructure
- Pipeline
- Road
- GMT1 Pad
- Fish Creek 3 mi Setback Area

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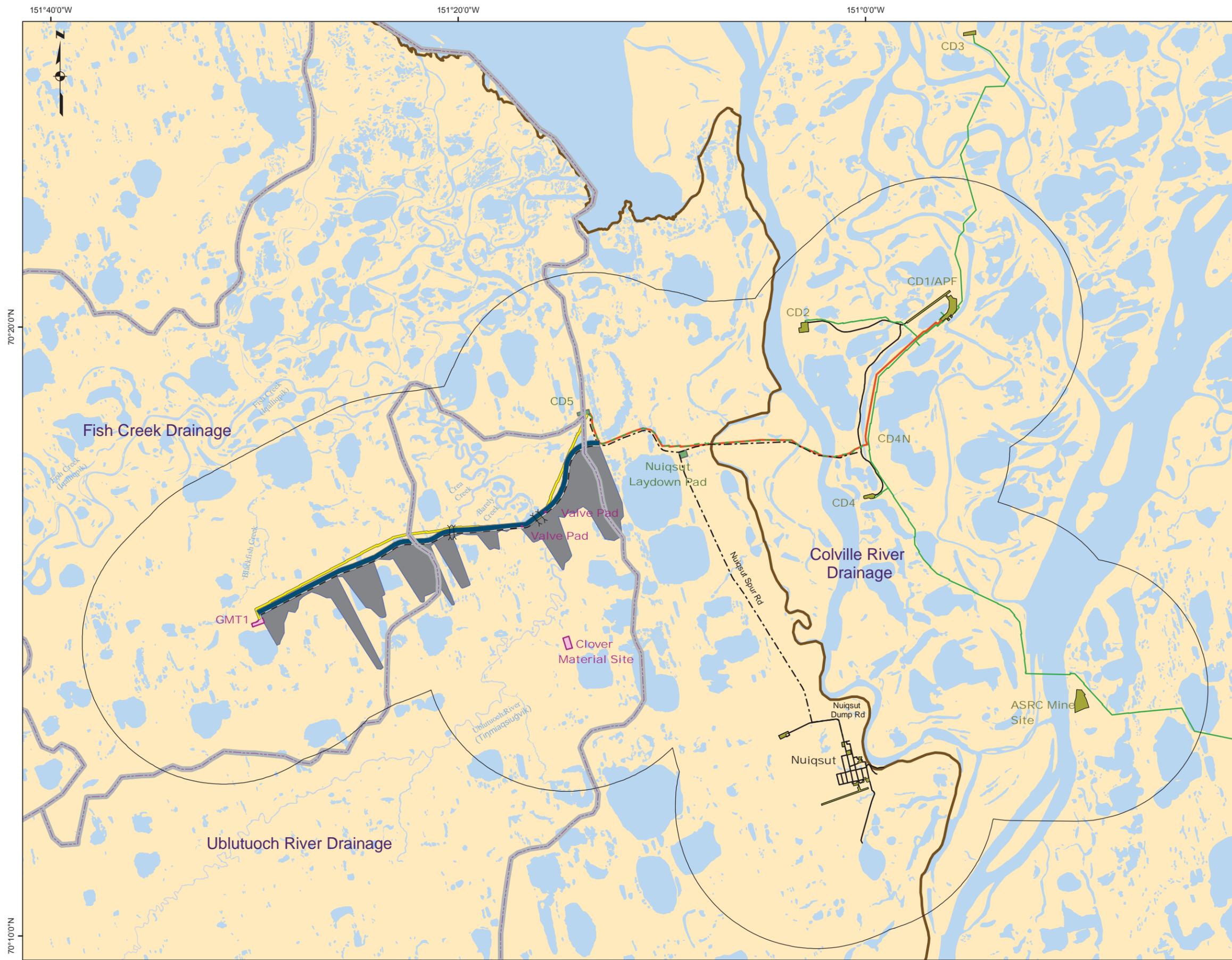


Figure 4.2-2
Alternative A
Potential
Inundation Analysis

- | | |
|---|---|
| Alternative A Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | Boundary |
| Facility | Drainage Basin |
| Existing | Project Study Area |
| Pipeline | NPR-A |
| Road | |
| Facility | |

Potential Inundation Area

- Decreased Inundation Area
- Potential Inundation Area

NOTE: ROUGH ORDER OF MAGNITUDE ESTIMATE OF MAXIMUM INUNDATION

Footnote:
 1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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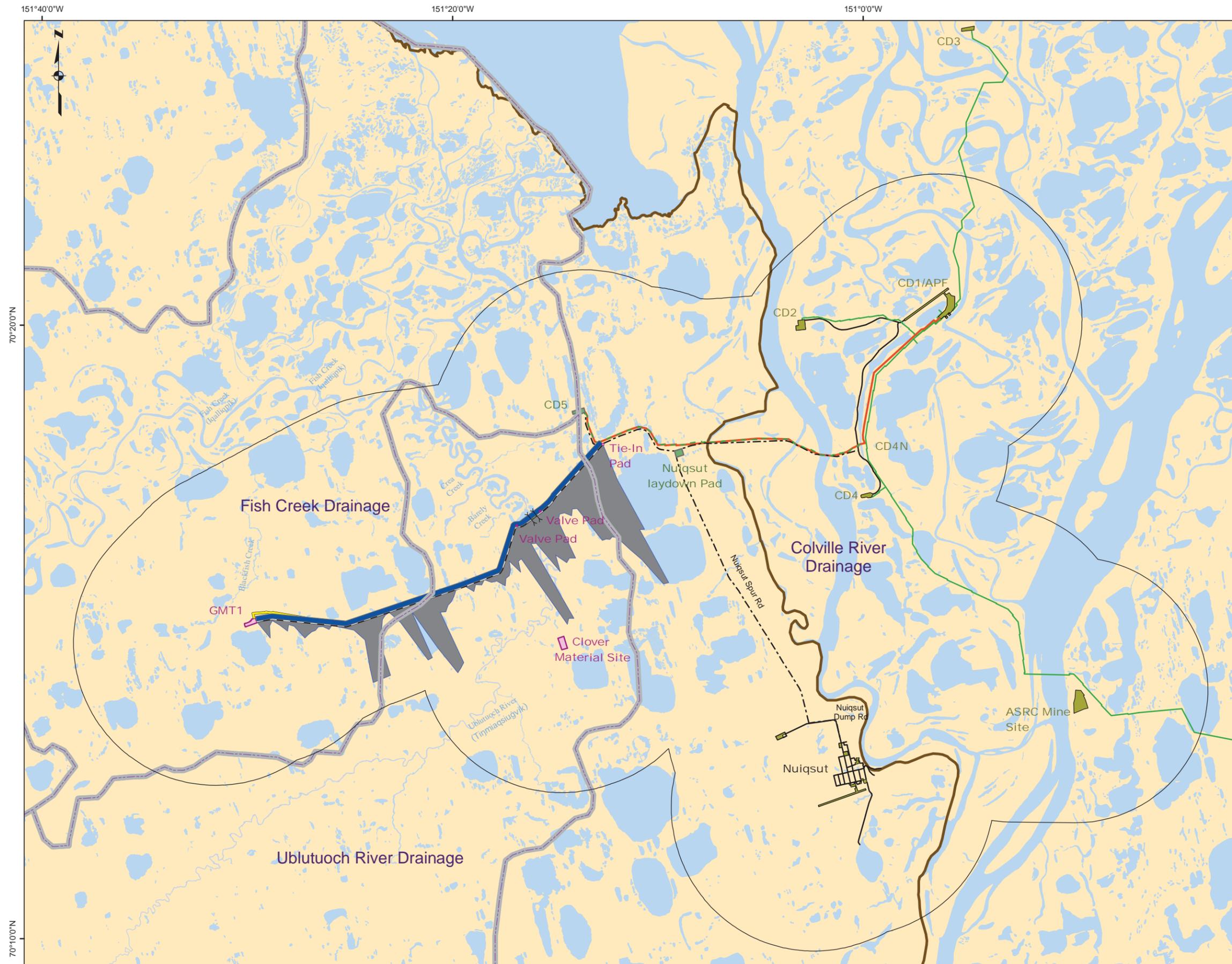


Figure 4.2-3
Alternative B
Potential
Inundation Analysis

- | | |
|---|---|
| Alternative B Infrastructure | Proposed or Permitted (not part of GMT1) |
| Pipeline | Pipeline |
| Road | Road |
| 14 inch Water ¹ Injection Line | Facility |
| Bridge | |
| Facility | Boundary |
| Existing | Drainage Basin |
| Pipeline | Project Study Area |
| Road | NPR-A |
| Facility | |

- Potential Inundation Area**
- Decreased Inundation Area
 - Potential Inundation Area

NOTE: ROUGH ORDER OF MAGNITUDE ESTIMATE OF MAXIMUM INUNDATION

Footnote:
 1: 14 inch Water Injection line from CD1/APF to CD4N will be constructed on a new pipe rack. From CD4N to CD5 the 14-inch Water Injection line will be placed on the already proposed or permitted pipe rack (not part of GMT1).

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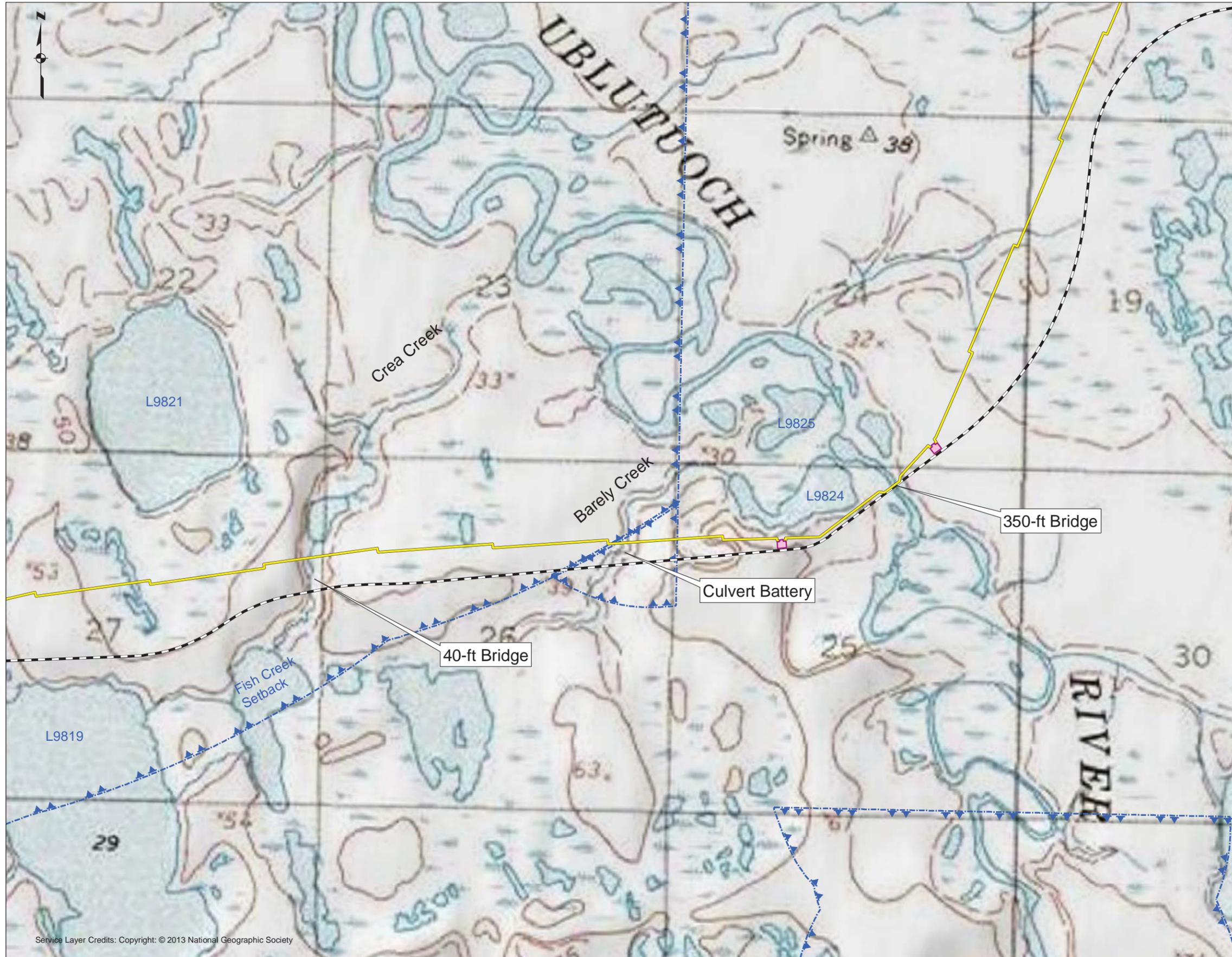
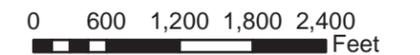


Figure 4.2-4
 Road & Pipeline Crossings
 Ublutuoch River, Barely
 Creek and Crea Creek

- SEIS Infrastructure
- Pipeline
- Road
- Valve Pads
- Fish Creek 3 mi
Ublutuoch River 0.5 mi
- Setback Area

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Figure 4.2-5

Ublutuoch River Crossing

Legend

- Pipeline
- Road

Hydrology

- Direction of Gradient Water Flow
- Lower Flood Plain

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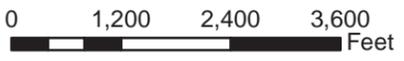
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Figure 4.2-6
Crea Creek and Barely
Creek Drainage Basins

- Infrastructure**
- Pipeline
 - Road
 - Valve Pad
- Hydrology**
- Direction of Gradient Water Flow
- Drainage Basin**
- S6
 - Barely Creek Drainage
 - Crea Creek Drainage

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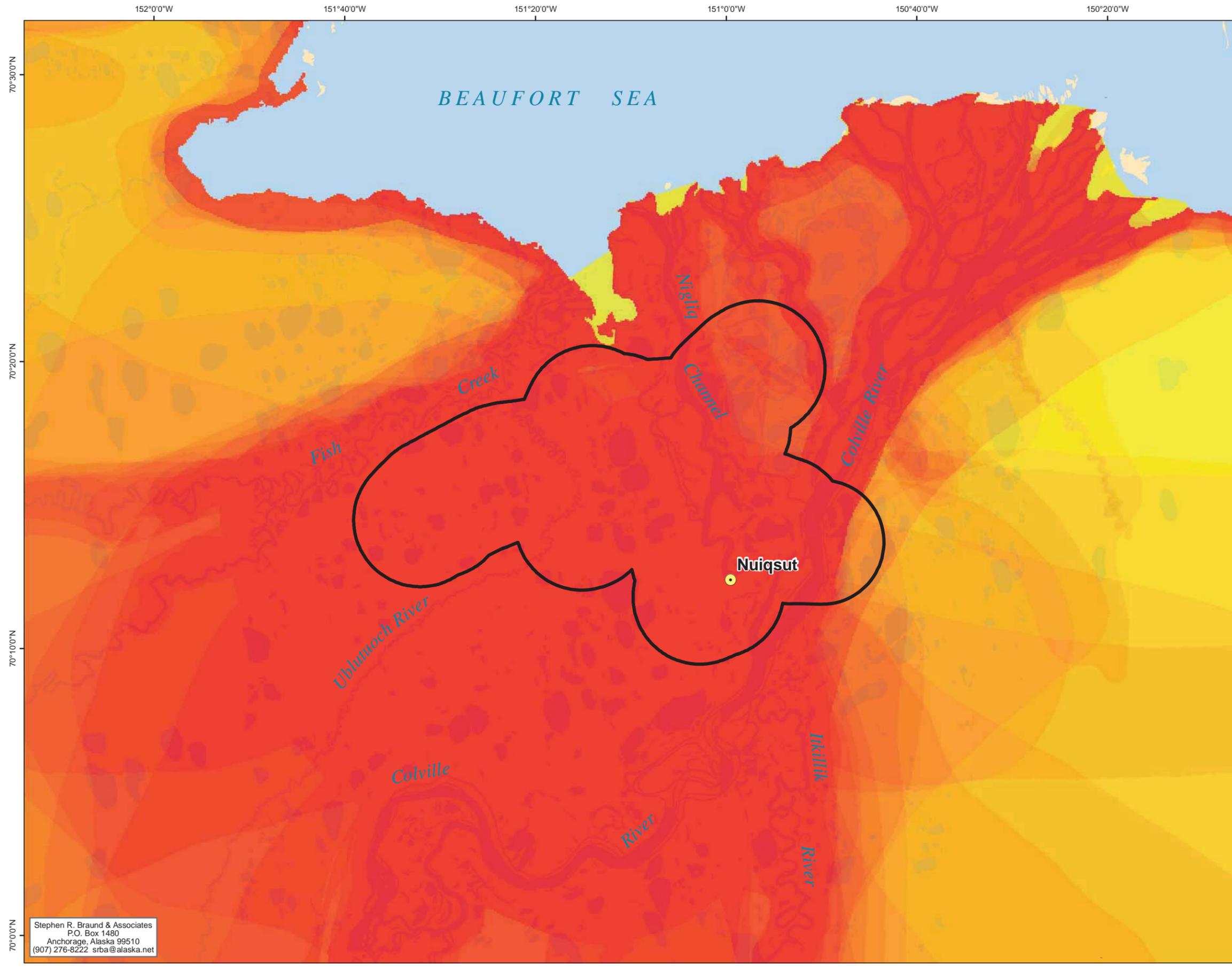


Figure 4.4-1
Caribou Subsistence Use Areas
in the Project Area – 1995-2006

Legend
 High
 Low
 Overlapping Subsistence Use Areas, Caribou, 1995-2006
 (Source: SRBA 2010a)

In Nuiqsut, 94 caribou use areas were reported by 32 respondents. Use areas extend beyond the extent of this map.

Project Study Area
 Subsistence Study Community

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0 1 2 4 6 Miles

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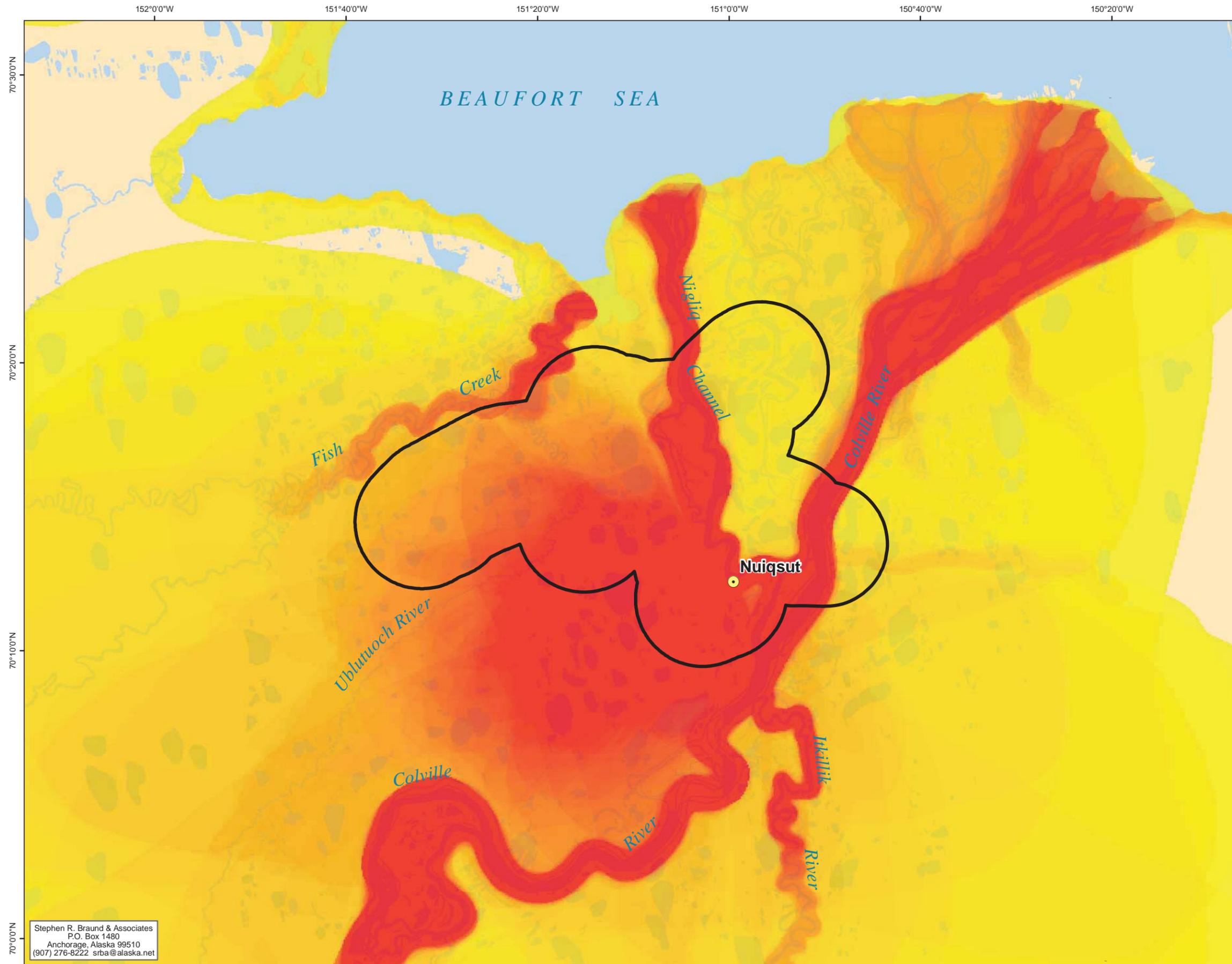


Figure 4.4-2
Caribou Subsistence Use Areas
in the Project Area – 2008-2011

Legend

High
 Low

Overlapping Subsistence Use Areas, Caribou, 2008-2011
 (Source: SRBA 2010b, SRBA 2011, SRBA 2012, SRBA 2013)

SRB&A interviewed 96 active harvesters from March 2009 through November of 2011. The harvesters reported 731 use areas. Use areas extend beyond the extent of this map.

Project Study Area
 Subsistence Study Community

DRAFT SEIS

Draft Date 1/23/2014



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NAD 1983 StatePlane Alaska 4 FIPS 5004 Feet



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 Environmental Impact Statement 2014

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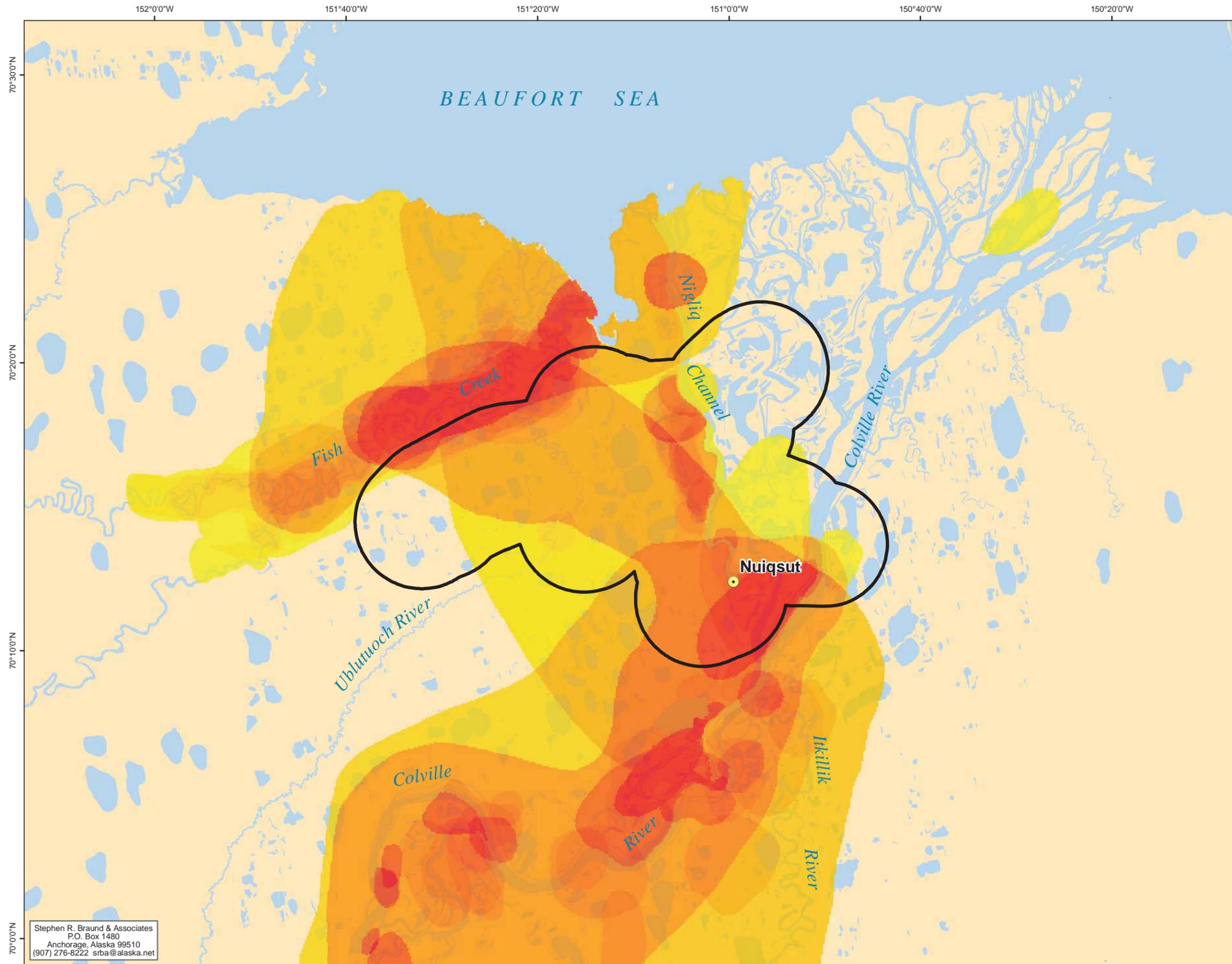


Figure 4.4-3
 Geese Subsistence Use Areas
 in the Project Area – 1995-2006

Legend
 High Overlapping Subsistence Use
 Areas, Geese, 1995-2006
 Low (Source: SRBA 2010a)

In Nuiqsut, 179 geese use areas
 were reported by 33 respondents.
 Use areas extend beyond the
 extent of this map.

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0 1 2 4 6 Miles

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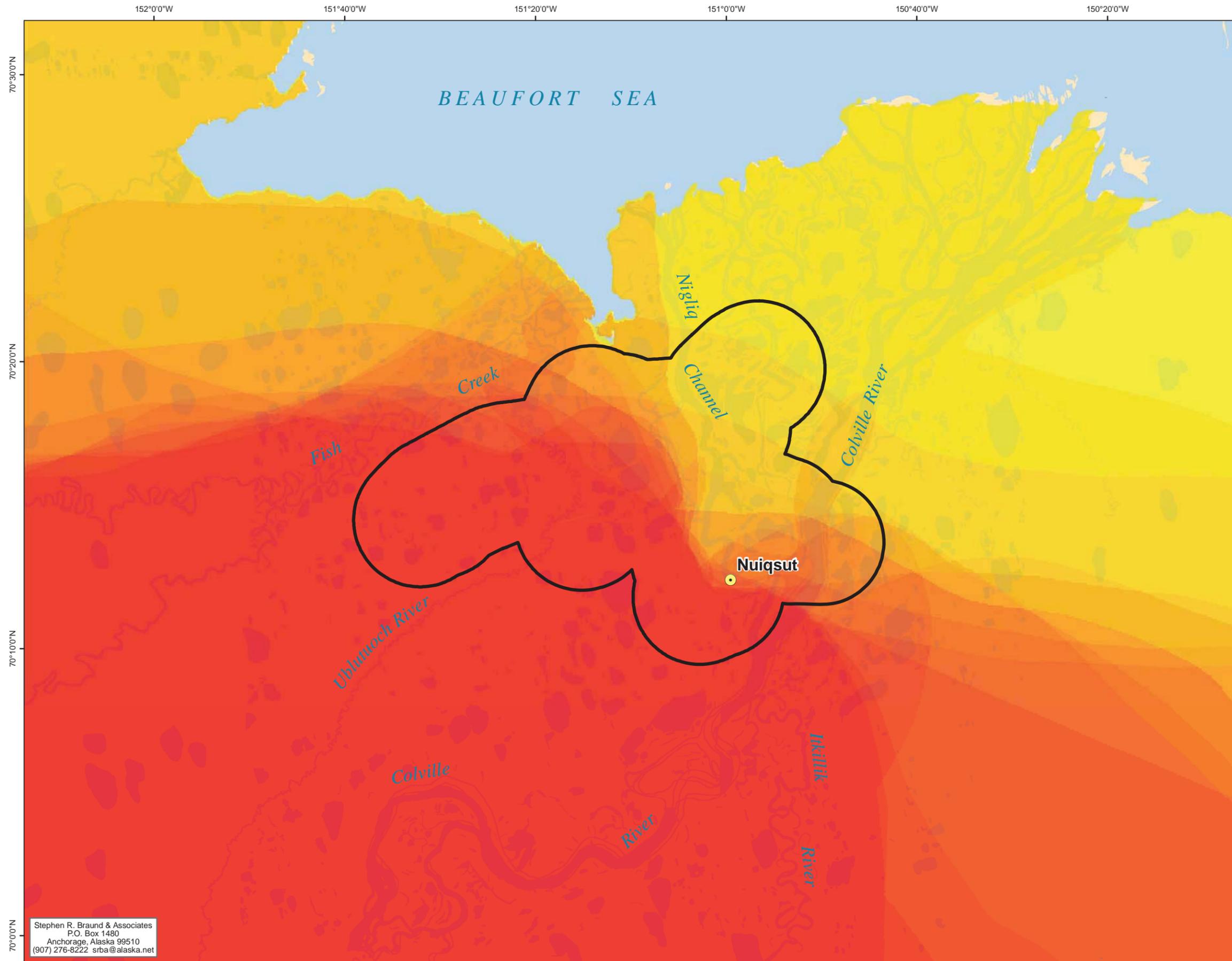


Figure 4.4-4
Wolf and Wolverine
Subsistence Use Areas
in the Project Area – 1995-2006

Legend
 High Overlapping Subsistence Use Areas, Wolf and Wolverine, 1995-2006
 Low (Source: SRBA 2010a)

In Nuiqsut, 69 wolf and wolverine use areas were reported by 24 respondents. Use areas extend beyond the extent of this map.

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0 1 2 4 6 Miles

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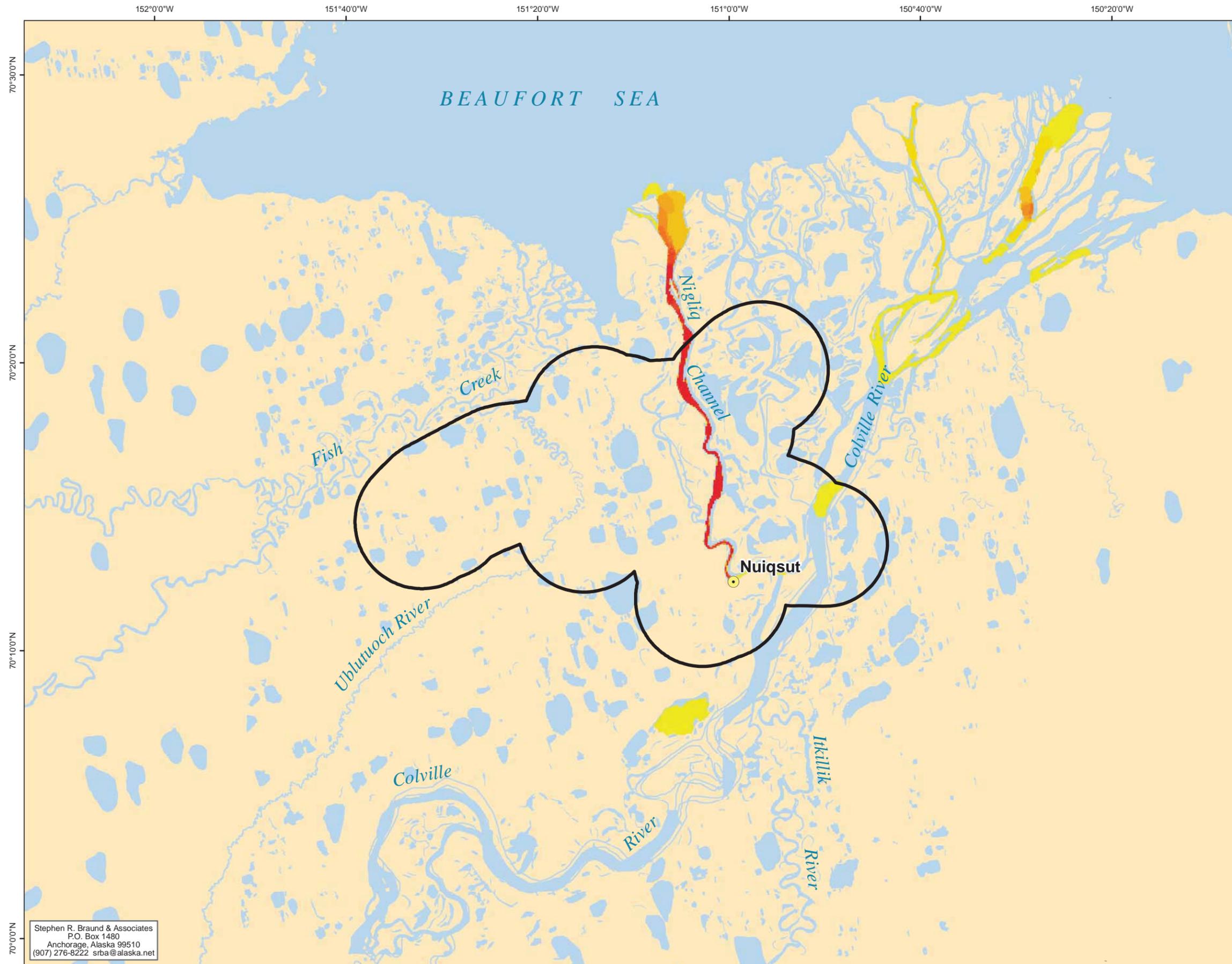


Figure 4.4-5
Arctic Cisco
Subsistence Use Areas
in the Project Area – 1995-2006

Legend
 High Overlapping Subsistence Use Areas, Arctic Cisco, 1995-2006
 Low (Source: SRBA 2010a)

In Nuiqsut, 66 Arctic Cisco use areas were reported by 33 respondents. Use areas extend beyond the extent of this map.

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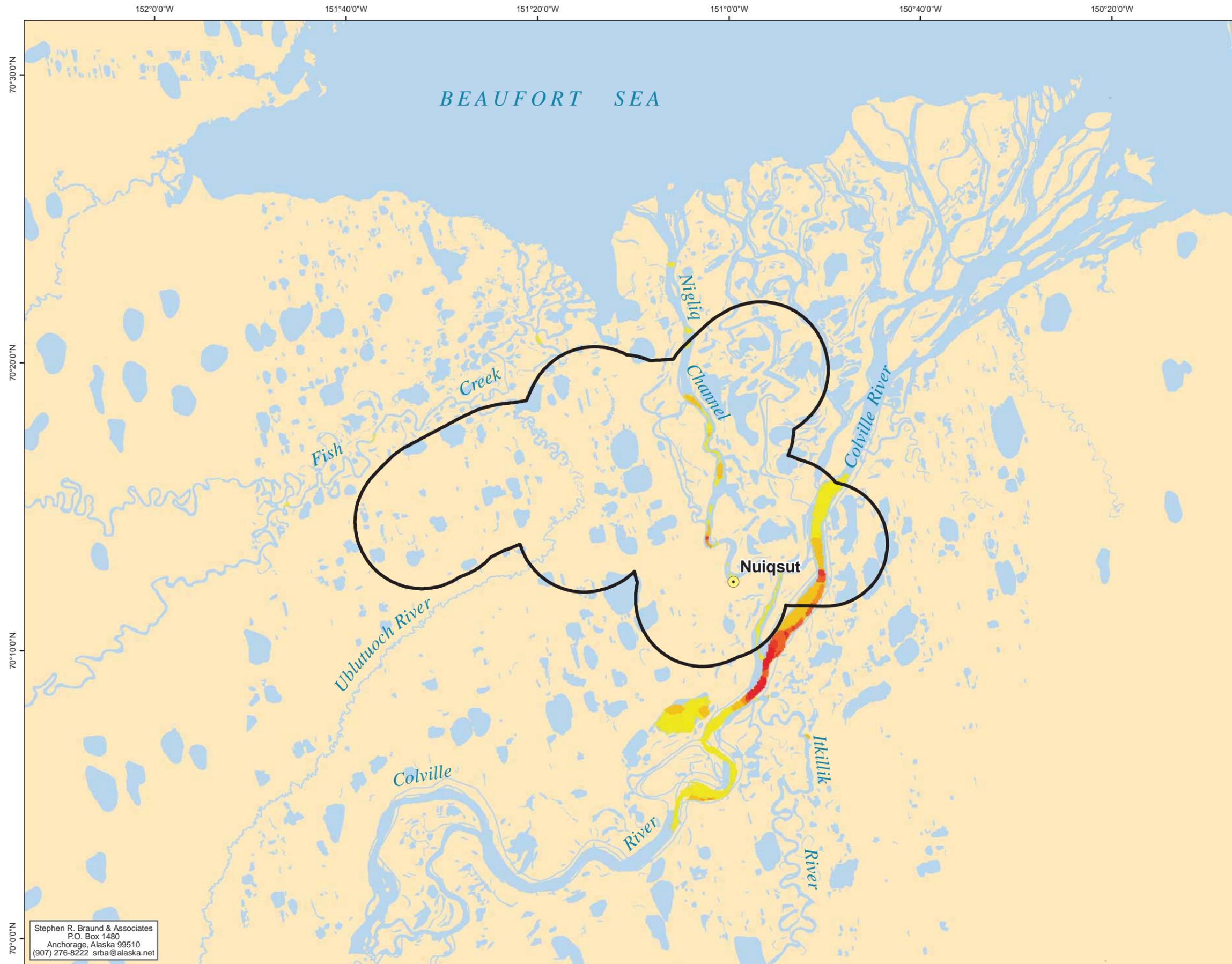


Figure 4.4-6
Burbot Subsistence Use Areas
in the Project Area – 1995-2006

Legend
 High Overlapping Subsistence Use Areas, Burbot, 1995-2006
 Low (Source: SRBA 2010a)

In Nuiqsut, 62 burbot use areas were reported by 30 respondents. Use areas extend beyond the extent of this map.

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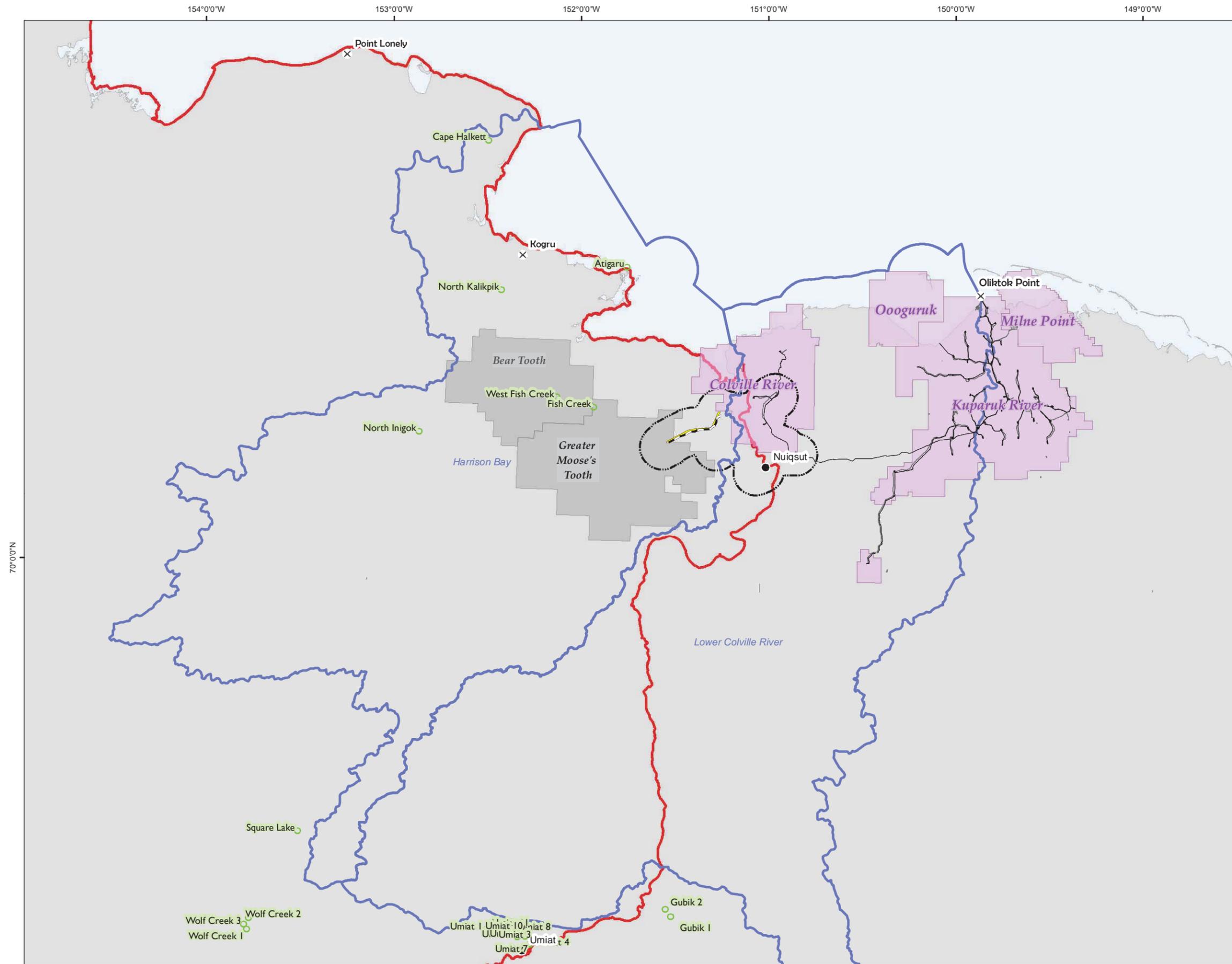


Figure 4.6-1

Oil & Gas Infrastructure

Existing Oil & Gas Infrastructure

- Above Ground
- █ Existing Facility

Oil & Gas Producing Units

- Production Status
- █ Not Producing
 - █ Producing

Proposed GMT-1 Infrastructure

- Pipeline
- Access Road

GMT1 SEIS Project Areas

- █ GMT1 Alts 2.5-Mile Buffer

- × Formally Used Military Sites
- Legacy Wells NPR-A
- Hydrologic Units (HUC8)
- NPR-A Boundary

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