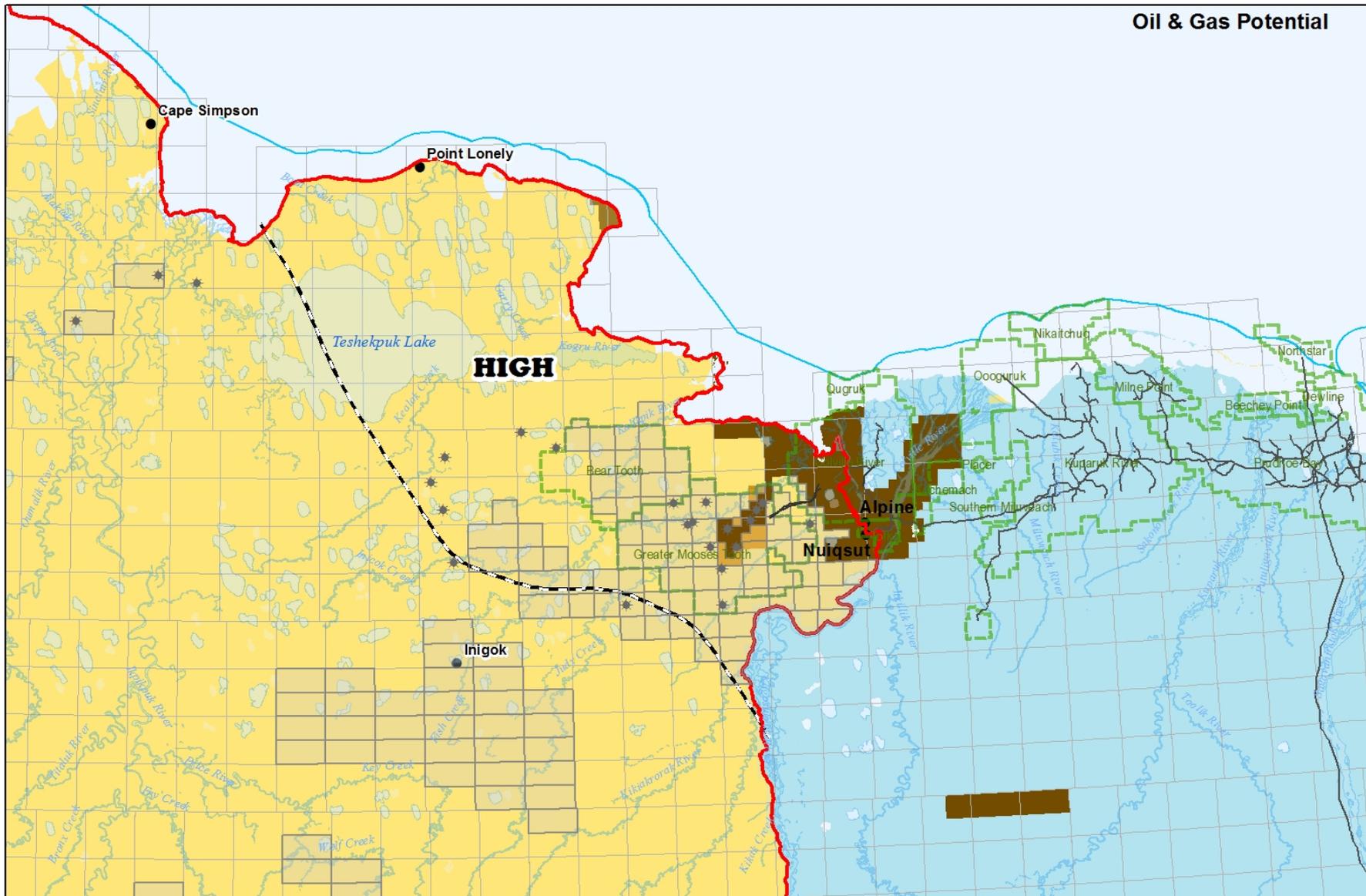


# Northeastern NPR-A RMS Boundary



# Oil & Gas Potential



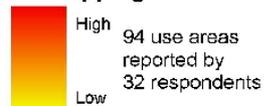
- |   |   |
|---|---|
| — Oil & Gas Infrastructure (Pipeline & Road)    | ■ Authorized O&G Lease Tract                  |
| ★ Oil & Gas Exploration Well - Industry (NPR-A) | <b>Land Status</b>                            |
| — Federal/ State Jurisdiction                   | ■ Bureau of Land Management                   |
| ■ NPR-A Boundary                                | ■ Bureau of Land Management (Native Selected) |
| ■ Oil & Gas Producing Unit                      | ■ Native Lands (Patented or Interim Conveyed) |
|   | ■ State (Patented or Interim Conveyed)        |

0 6 12 18  
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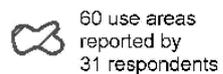
# Nuiqsut Community Caribou Harvest Intensity

Last 10 years (1995-2006) with last 12 months (2006)

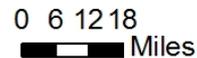
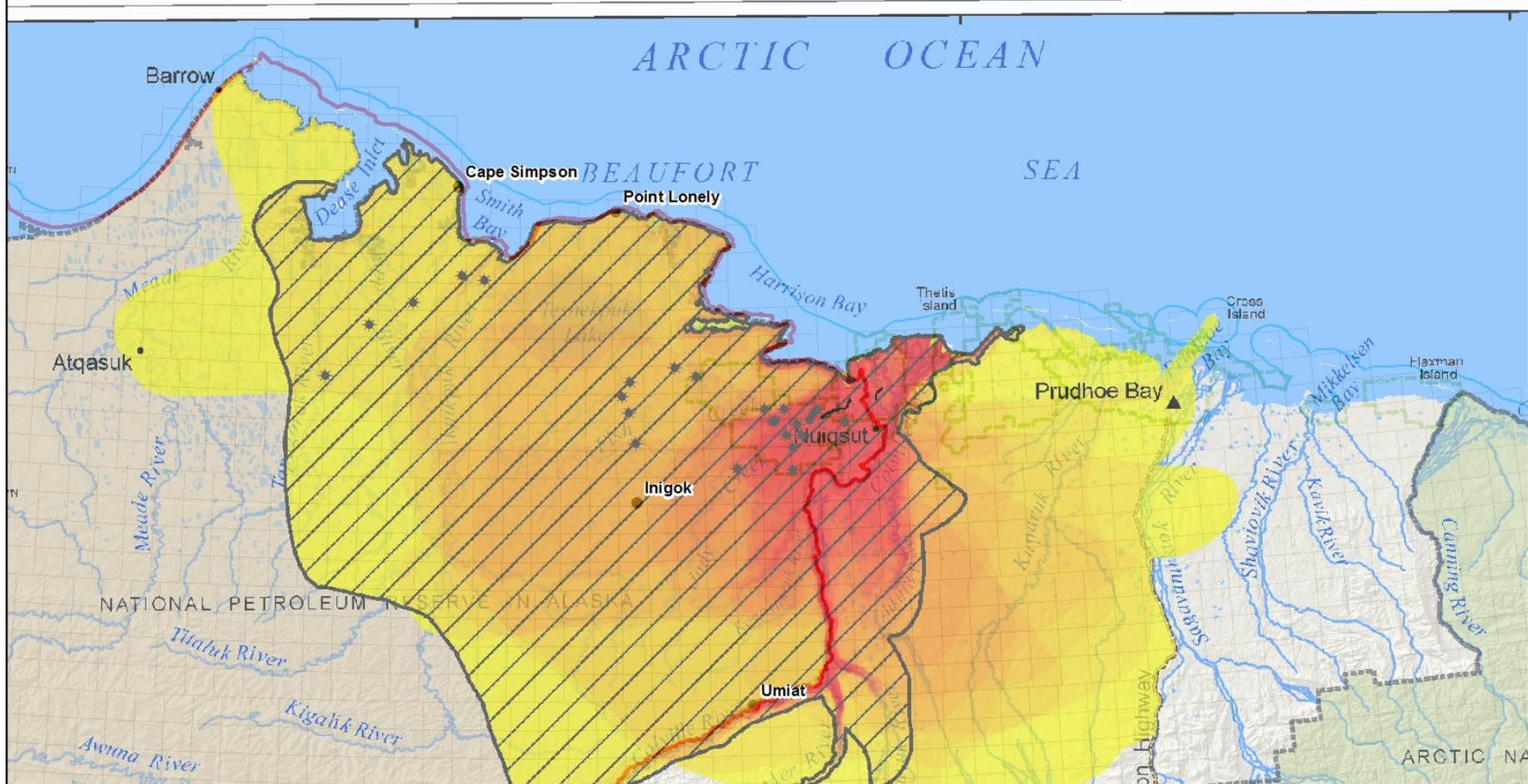
## Last 10 Years Overlapping Use Areas



## Last 12 Months Dissolved Use Areas



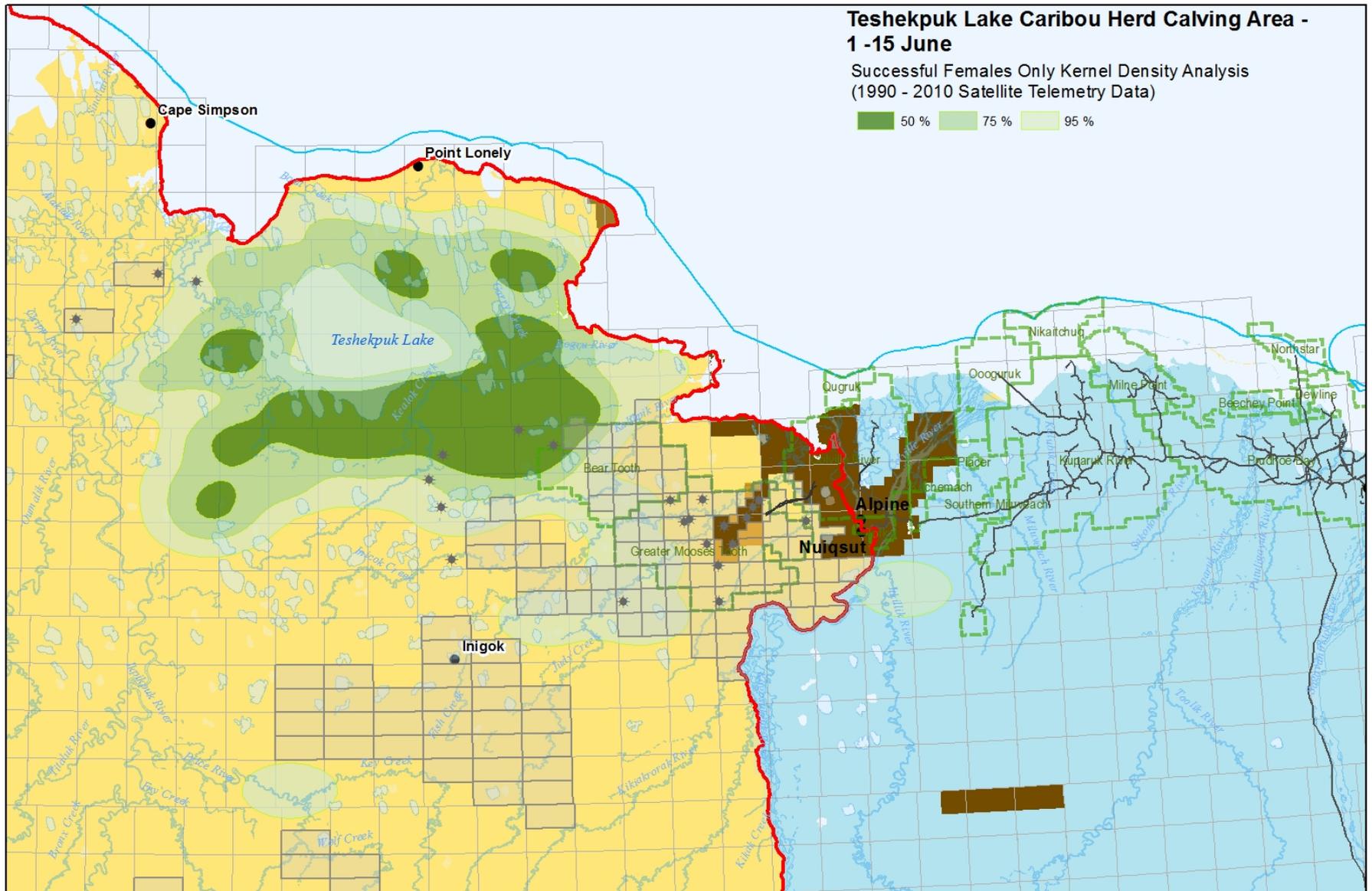
Other areas may have been used for res



# Teshekpuk Lake Caribou Herd Calving Area - 1-15 June

Successful Females Only Kernel Density Analysis  
(1990 - 2010 Satellite Telemetry Data)

50 % 75 % 95 %



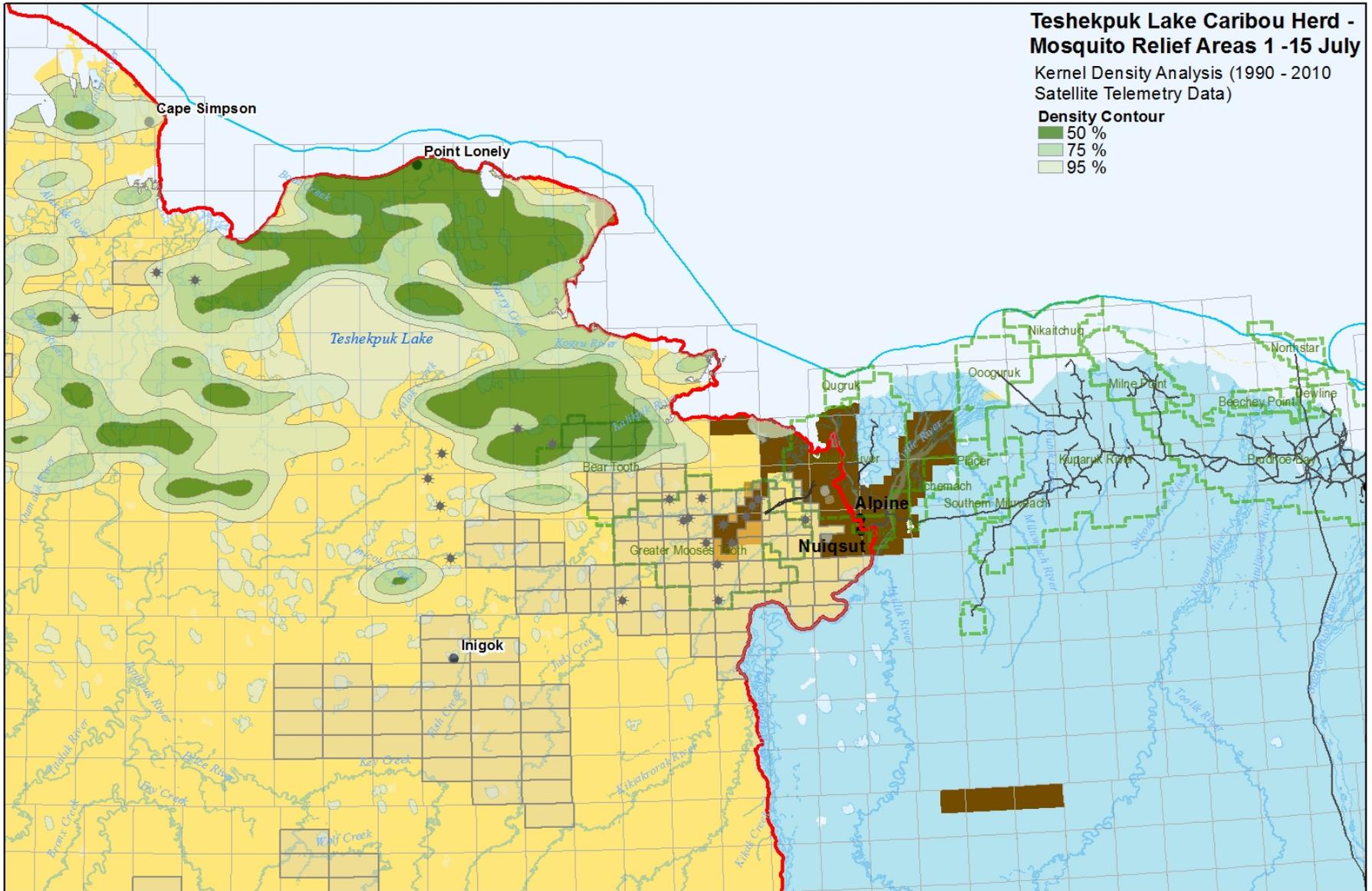
- Oil & Gas Infrastructure (Pipeline & Road)
- ★ Oil & Gas Exploration Well - Industry (NPRA)
- Federal/ State Jurisdiction
- ▭ NPR-A Boundary
- ▭ Oil & Gas Producing Unit
- ▭ Authorized O&G Lease Tract
- Land Status**
- ▭ Bureau of Land Management
- ▭ Bureau of Land Management (Native Selected)
- ▭ Native Lands (Patented or Interim Conveyed)
- ▭ State (Patented or Interim Conveyed)



# Teshekpuk Lake Caribou Herd - Mosquito Relief Areas 1-15 July

Kernel Density Analysis (1990 - 2010  
Satellite Telemetry Data)

**Density Contour**  
 50 %  
 75 %  
 95 %

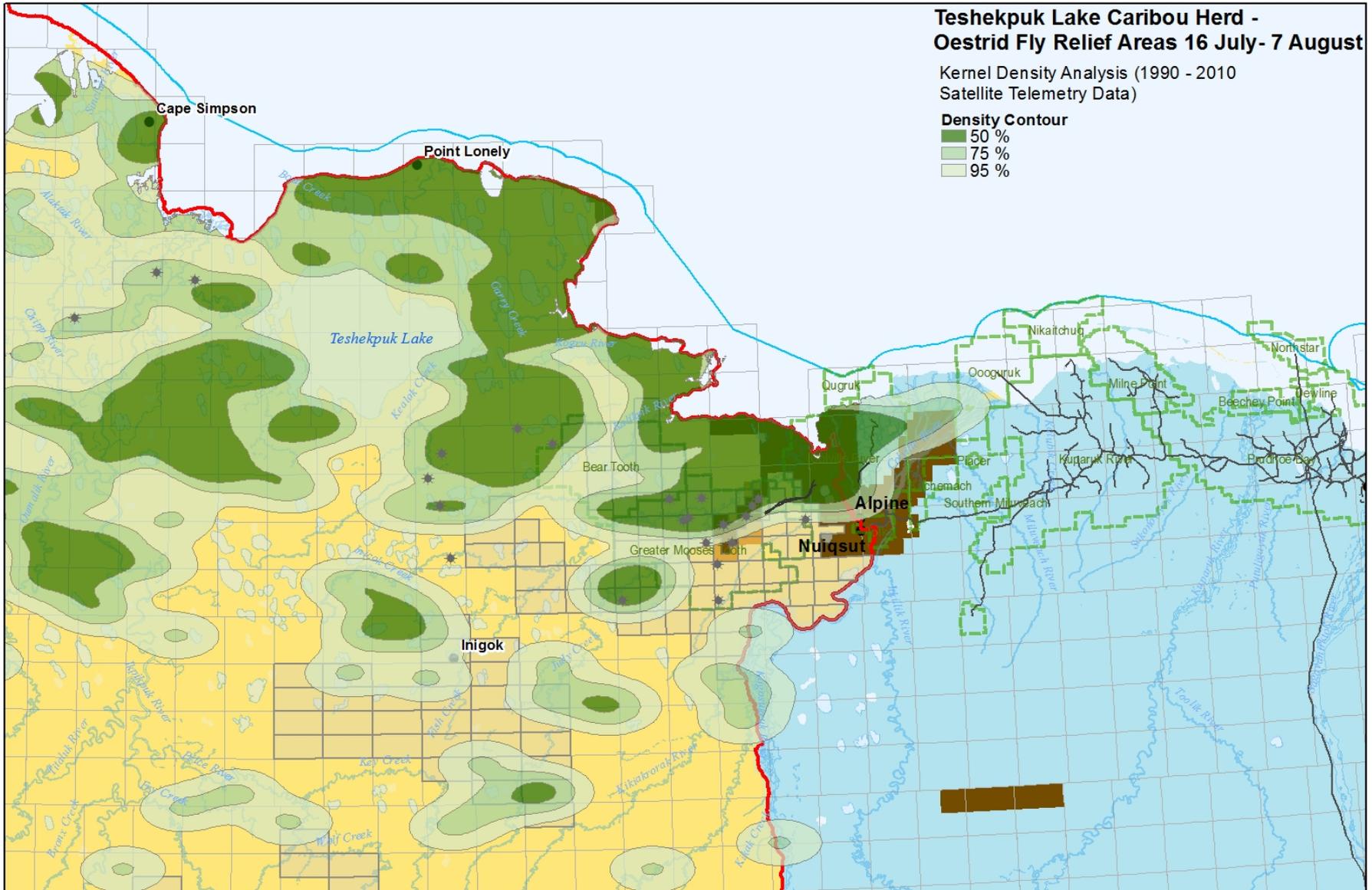
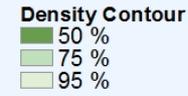


- |  |   |
|--|---|
| — Oil & Gas Infrastructure (Pipeline & Road)   | ■ Authorized O&G Lease Tract                  |
| ★ Oil & Gas Exploration Well - Industry (NPRA) | <b>Land Status</b>                            |
| — Federal/ State Jurisdiction                  | ■ Bureau of Land Management                   |
| ■ NPR-A Boundary                               | ■ Bureau of Land Management (Native Selected) |
| ■ Oil & Gas Producing Unit                     | ■ Native Lands (Patented or Interim Conveyed) |
|  | ■ State (Patented or Interim Conveyed)        |



# Teshekpuk Lake Caribou Herd - Oestrid Fly Relief Areas 16 July - 7 August

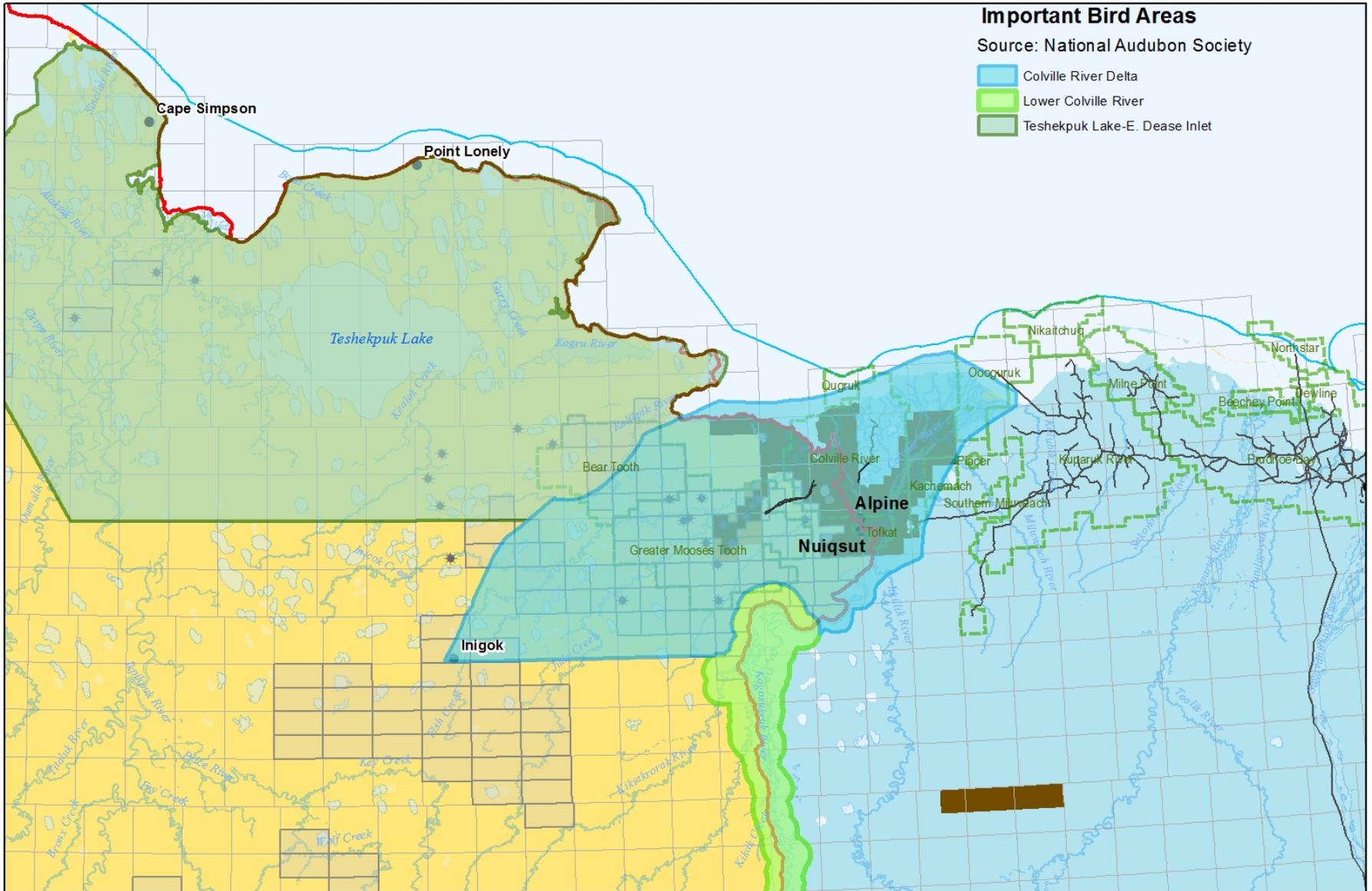
Kernel Density Analysis (1990 - 2010  
Satellite Telemetry Data)



## Important Bird Areas

Source: National Audubon Society

- Colville River Delta
- Lower Colville River
- Teshekpuk Lake-E. Dease Inlet



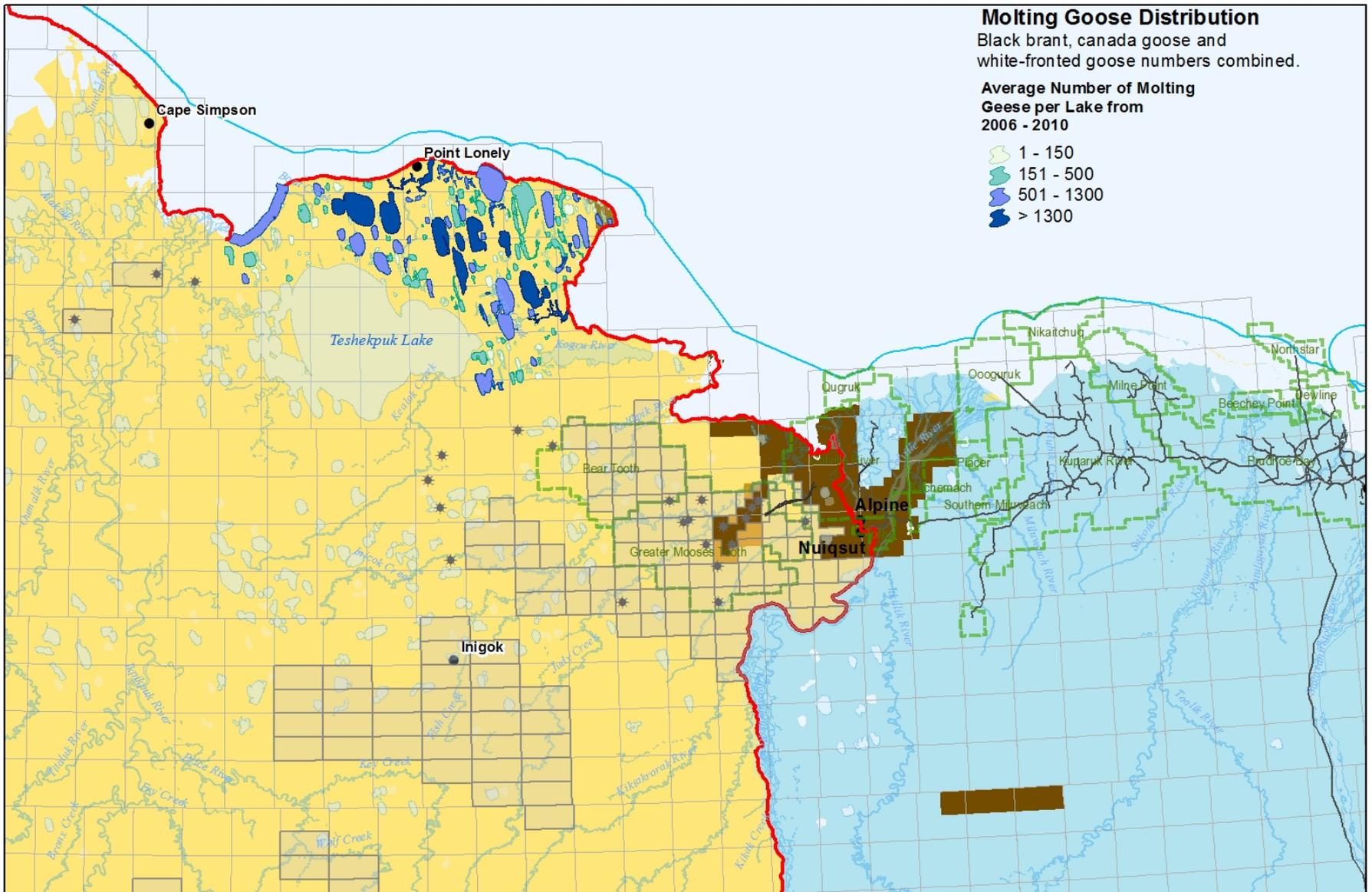
- |  |   |
|--|---|
|  Oil & Gas Infrastructure (Pipeline & Road)    |  Authorized O&G Lease Tract                  |
|  Oil & Gas Exploration Well - Industry (NPRA) | <b>Land Status</b>  |
|  Federal/ State Jurisdiction                   |  Bureau of Land Management                   |
|  NPR-A Boundary                                |  Bureau of Land Management (Native Selected) |
|  Oil & Gas Producing Unit                     |  Native Lands (Patented or Interim Conveyed) |
|  |  State (Patented or Interim Conveyed)        |

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Miles

## Molting Goose Distribution

Black brant, canada goose and white-fronted goose numbers combined.

Average Number of Molting Geese per Lake from 2006 - 2010



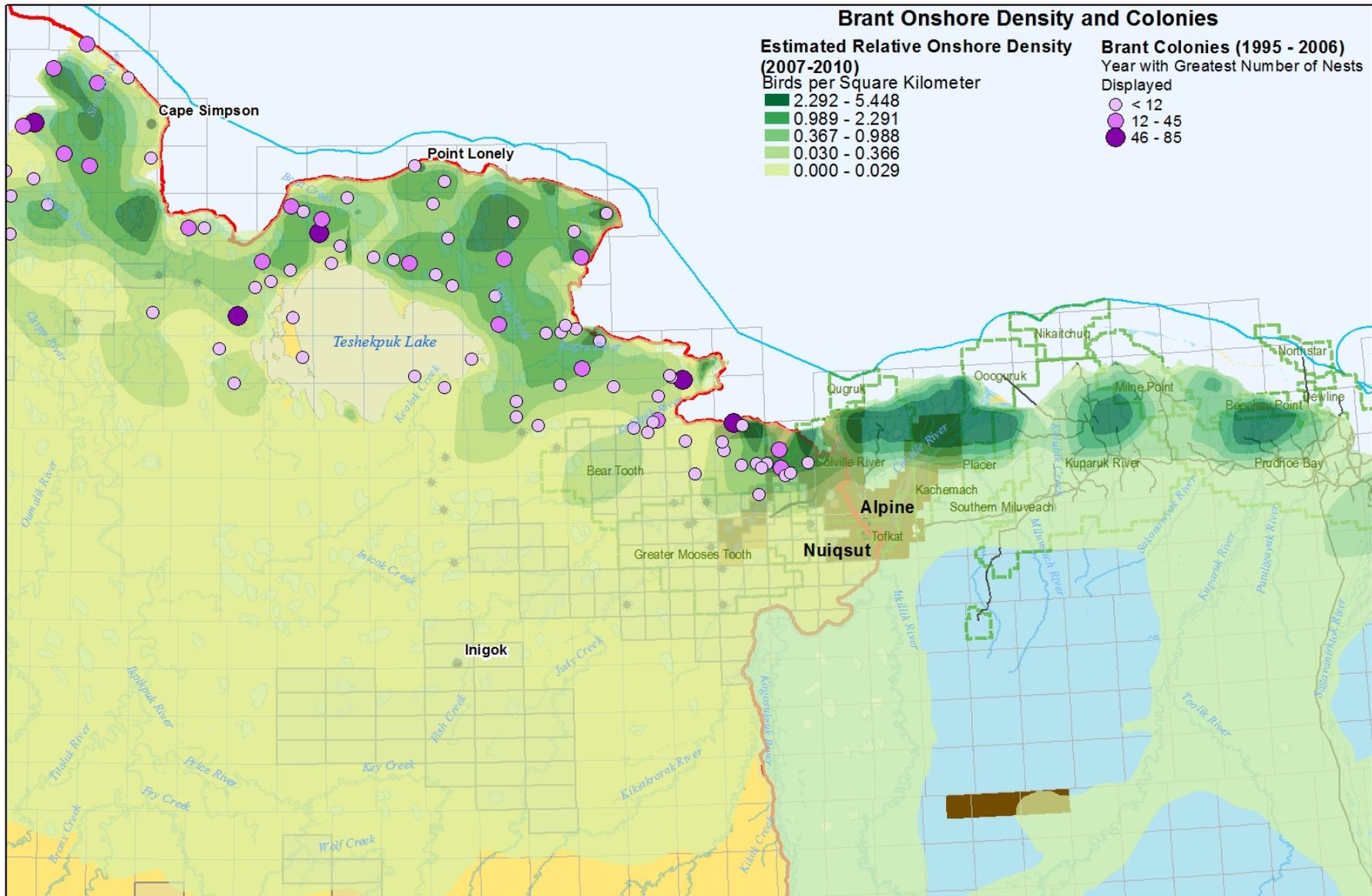
# Brant Onshore Density and Colonies

**Estimated Relative Onshore Density (2007-2010)**  
Birds per Square Kilometer

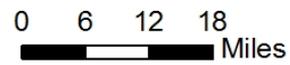
- 2.292 - 5.448
- 0.989 - 2.291
- 0.367 - 0.988
- 0.030 - 0.366
- 0.000 - 0.029

**Brant Colonies (1995 - 2006)**  
Year with Greatest Number of Nests Displayed

- < 12
- 12 - 45
- 46 - 85



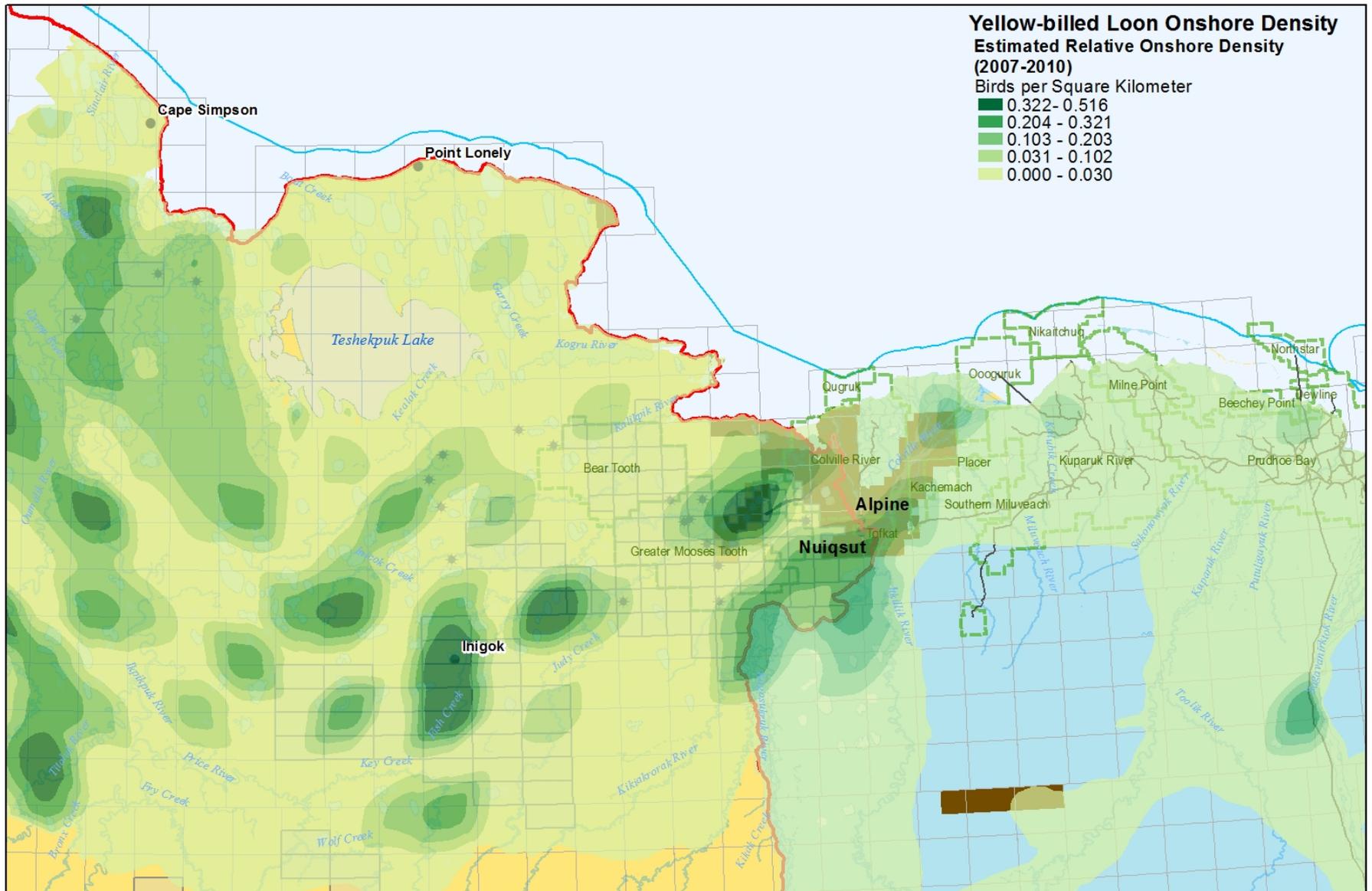
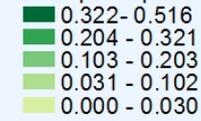
- Oil & Gas Infrastructure (Pipeline & Road)
- ★ Oil & Gas Exploration Well - Industry (NPRA)
- Federal/ State Jurisdiction
- ▭ NPR-A Boundary
- ▭ Oil & Gas Producing Unit
- ▭ Authorized O&G Lease Tract
- Land Status**
- ▭ Bureau of Land Management
- ▭ Bureau of Land Management (Native Selected)
- ▭ Native Lands (Patented or Interim Conveyed)
- ▭ State (Patented or Interim Conveyed)



# Yellow-billed Loon Onshore Density

## Estimated Relative Onshore Density (2007-2010)

Birds per Square Kilometer

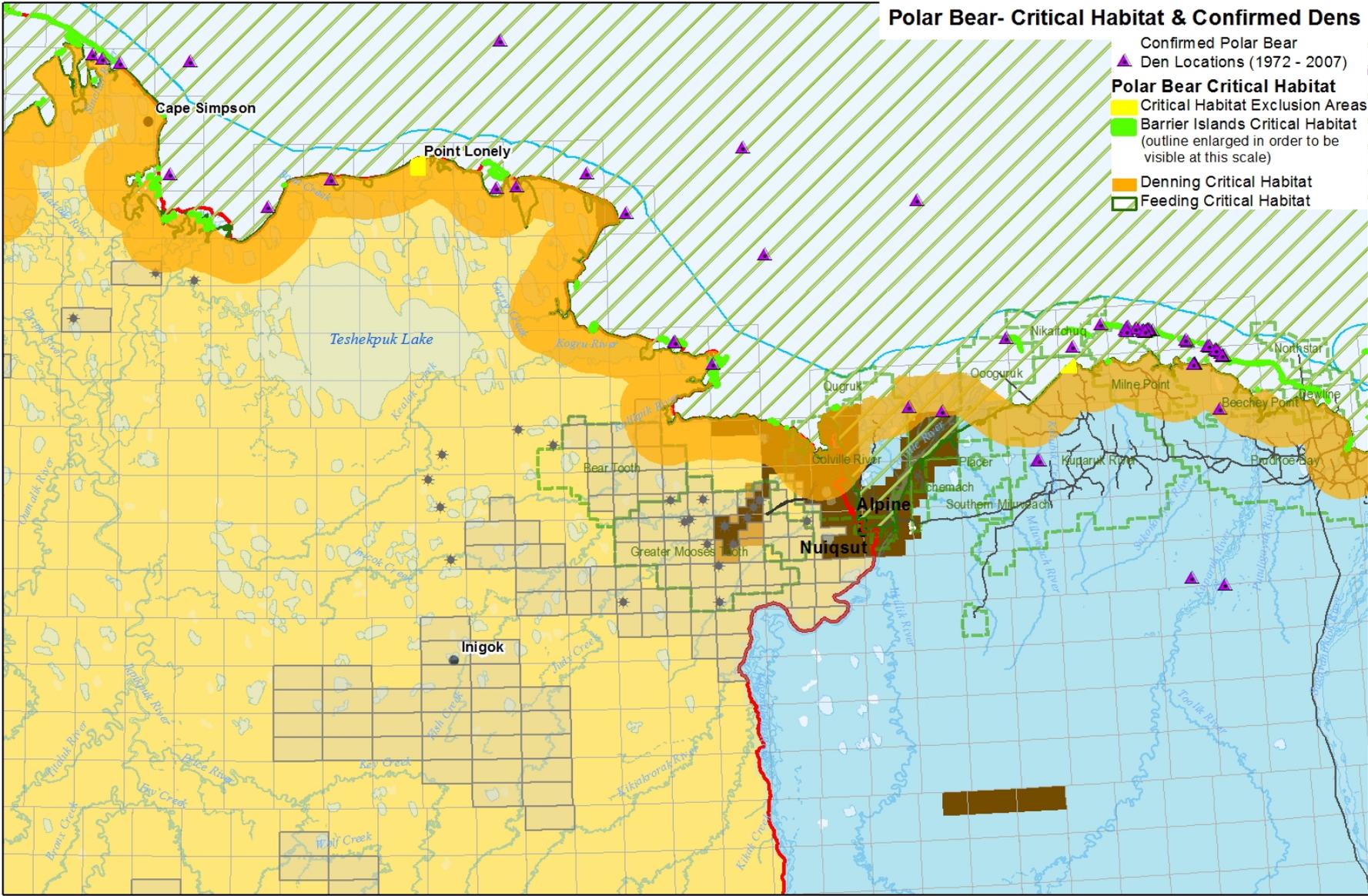


- |  |   |
|--|---|
| — Oil & Gas Infrastructure (Pipeline & Road)   | ■ Authorized O&G Lease Tract                  |
| ★ Oil & Gas Exploration Well - Industry (NPRA) | <b>Land Status</b>                            |
| — Federal/ State Jurisdiction                  | ■ Bureau of Land Management                   |
| ■ NPR-A Boundary                               | ■ Bureau of Land Management (Native Selected) |
| ■ Oil & Gas Producing Unit                     | ■ Native Lands (Patented or Interim Conveyed) |
|  | ■ State (Patented or Interim Conveyed)        |

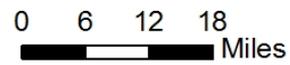


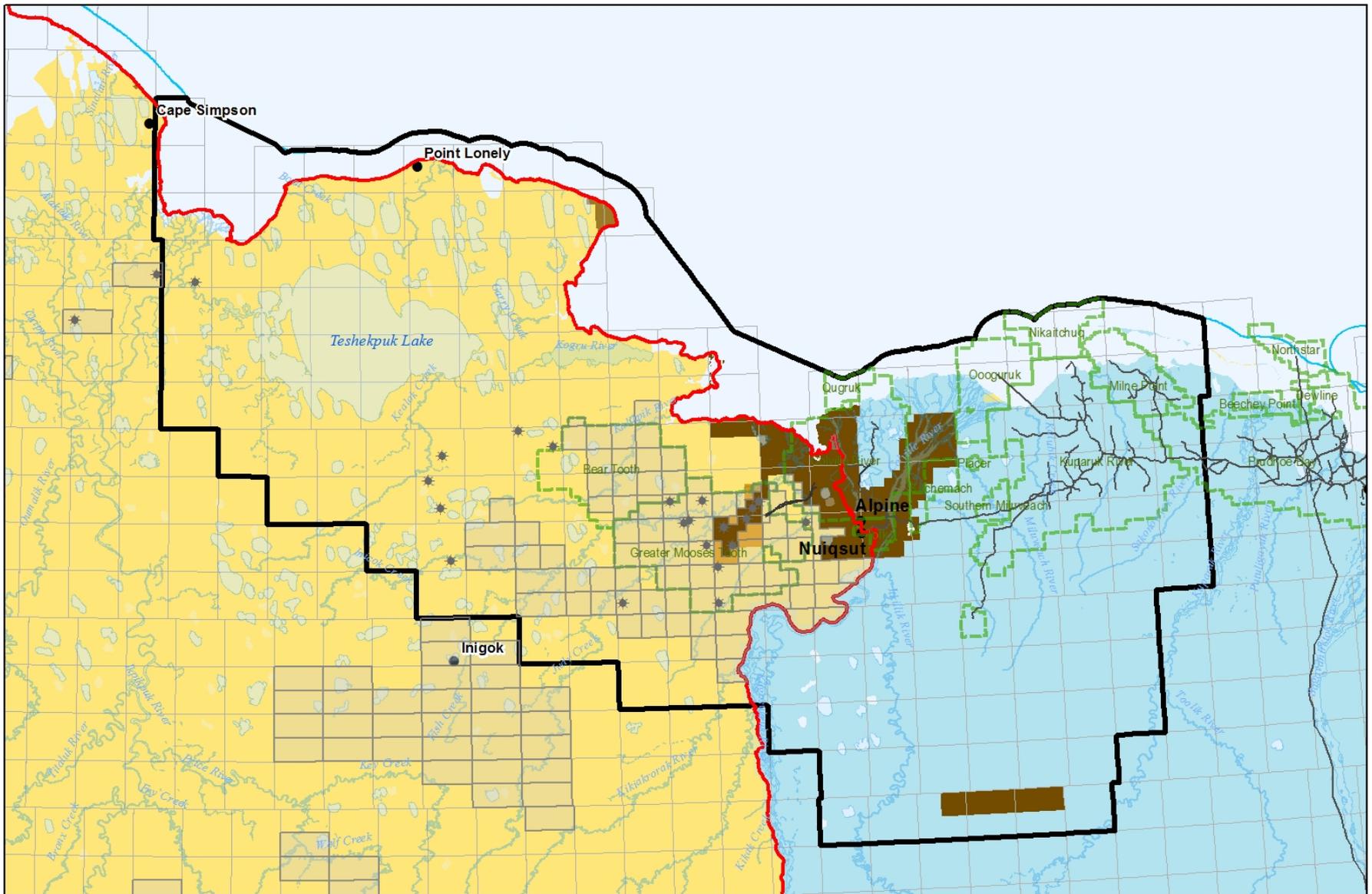
# Polar Bear- Critical Habitat & Confirmed Dens

- Confirmed Polar Bear
- ▲ Den Locations (1972 - 2007)
- Polar Bear Critical Habitat**
- Critical Habitat Exclusion Areas
- Barrier Islands Critical Habitat (outline enlarged in order to be visible at this scale)
- Denning Critical Habitat
- Feeding Critical Habitat



- Oil & Gas Infrastructure (Pipeline & Road)
- ★ Oil & Gas Exploration Well - Industry (NPR)
- Federal/ State Jurisdiction
- NPR-A Boundary
- Oil & Gas Producing Unit
- Authorized O&G Lease Tract
- Land Status**
- Bureau of Land Management
- Bureau of Land Management (Native Selected)
- Native Lands (Patented or Interim Conveyed)
- State (Patented or Interim Conveyed)





- Oil & Gas Infrastructure (Pipeline & Road)
- ★ Oil & Gas Exploration Well - Industry (NPR-A)
- Federal/ State Jurisdiction
- ▭ NPR-A Boundary
- ▭ Regional Mitigation Strategy Boundary
- ▭ Oil & Gas Producing Unit
- ▭ Authorized O&G Lease Tract
- Land Status**
- ▭ Bureau of Land Management
- ▭ Bureau of Land Management (Native Selected)
- ▭ Native Lands (Patented or Interim Conveyed)
- ▭ State (Patented or Interim Conveyed)

**WORKING DRAFT  
PROPOSED BOUNDARY**

0 6 12 18  
Miles

# RMS Boundary

## Small Group Work - Instructions

1. **Rationale**: Do you have comments on the rationale that you think should be used to develop the RMS boundary
2. **Where** would you draw the boundary and why?
3. Other **information sources**?



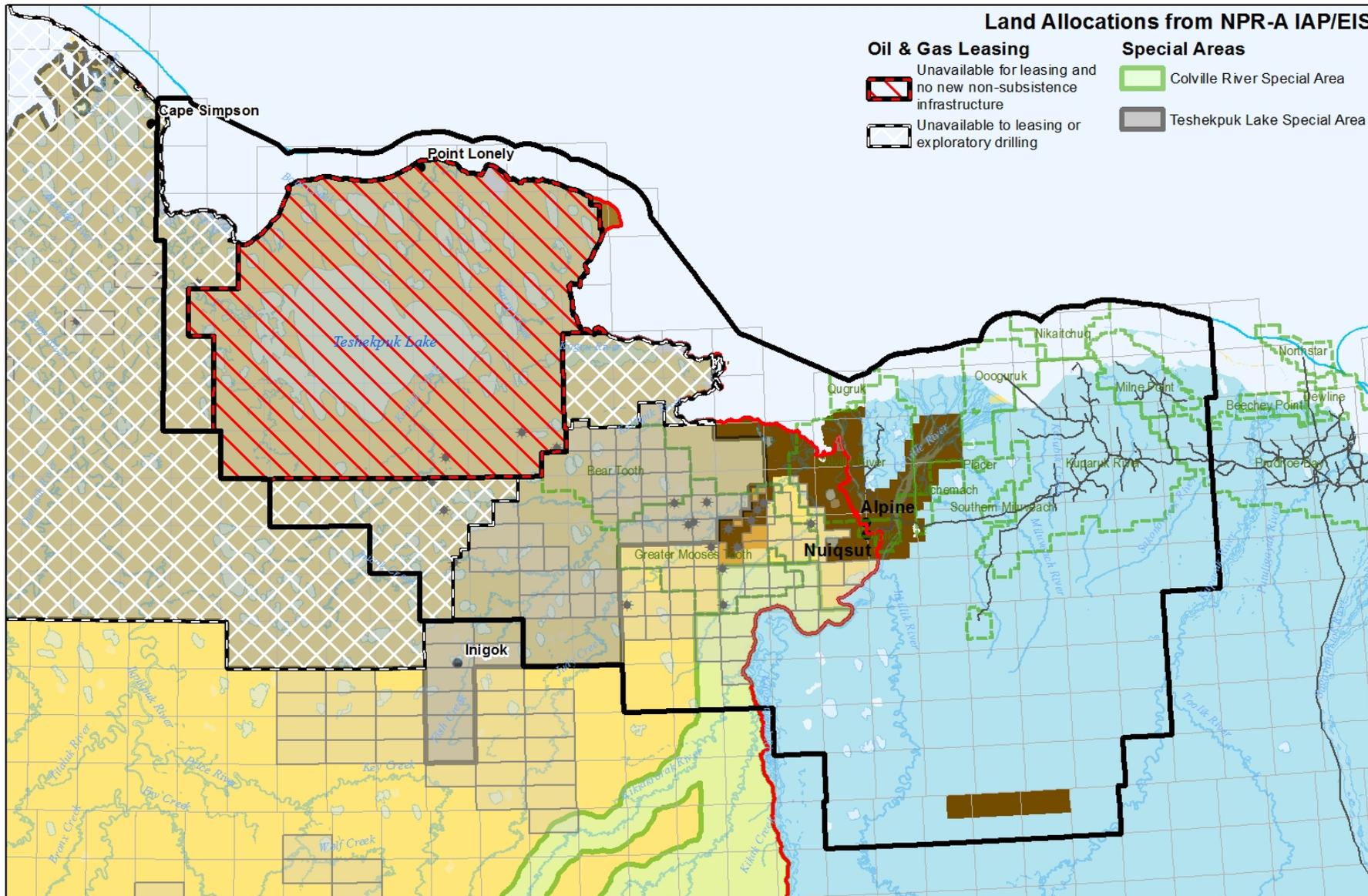
# Land Allocations from NPR-A IAP/EIS

## Oil & Gas Leasing

-  Unavailable for leasing and no new non-subsistence infrastructure
-  Unavailable to leasing or exploratory drilling

## Special Areas

-  Colville River Special Area
-  Teshekpuk Lake Special Area



-  Oil & Gas Infrastructure (Pipeline & Road)
-  Oil & Gas Exploration Well - Industry (NPR)
-  Federal/ State Jurisdiction
-  NPR-A Boundary
-  Regional Mitigation Strategy Boundary
-  Oil & Gas Producing Unit
-  Authorized O&G Lease Tract
-  Bureau of Land Management
-  Bureau of Land Management (Native Selected)
-  Native Lands (Patented or Interim Conveyed)
-  State (Patented or Interim Conveyed)

**WORKING DRAFT  
PROPOSED BOUNDARY**

