

**LEGEND**

- North Slope Planning Area
- Conservation System Unit (Offset for display)
- USGS 250k Quad Boundaries
- Township Boundaries
- Trans-Alaska Pipeline
- Secondary Roads (unpaved)

Predicted Shorebird Species Richness, Mean Habitat Suitability Index<sup>1</sup>

- 0.00
- 0.00 - 0.30
- 0.30 - 0.60
- 0.60 - 0.90
- 0.90 - 0.95
- 0.95 - 1.00
- Open Water (within model area)

All legend items may not appear on each map tile

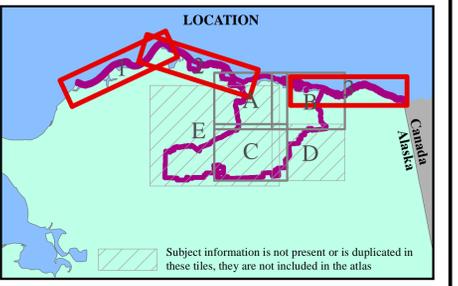
**NOTES**

<sup>1</sup> This dataset presents predicted shorebird species richness within the Arctic Coastal Plain (ACP) of Alaska. This data is present only in the northern portions of the planning area boundary. This predicted species richness represents the mean habitat suitability index (HSI) for eight modeled shorebird species: Black-bellied Plover, American Golden-Plover, Semipalmated Sandpiper, Pectoral Sandpiper, Dunlin, Long-billed Dowitcher, Red-necked Phalarope, and Red Phalarope across the study area.

The HSI represents the capacity of a given location to support species of shorebirds, where locations with higher HSI values are more likely to contain suitable habitat than areas with lower HSI values. The model was developed using observations from shorebird ground surveys conducted for nine years between 1998 and 2008 in conjunction with environmental variables. Environmental variables considered included landcover, elevation, temperature, and density of waterbodies (S.T. Saalfeld and R.B. Lanctot, 2013, Predicted Shorebird Species Richness (Mean Habitat Suitability Index), Manomet Center for Conservation Sciences and U.S. Fish and Wildlife Service, Division of Migratory Bird Management).

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Map Projection: NAD 1983 Alaska Albers  
 Map Scale: 1:400,000  
 Contour Interval = 200'

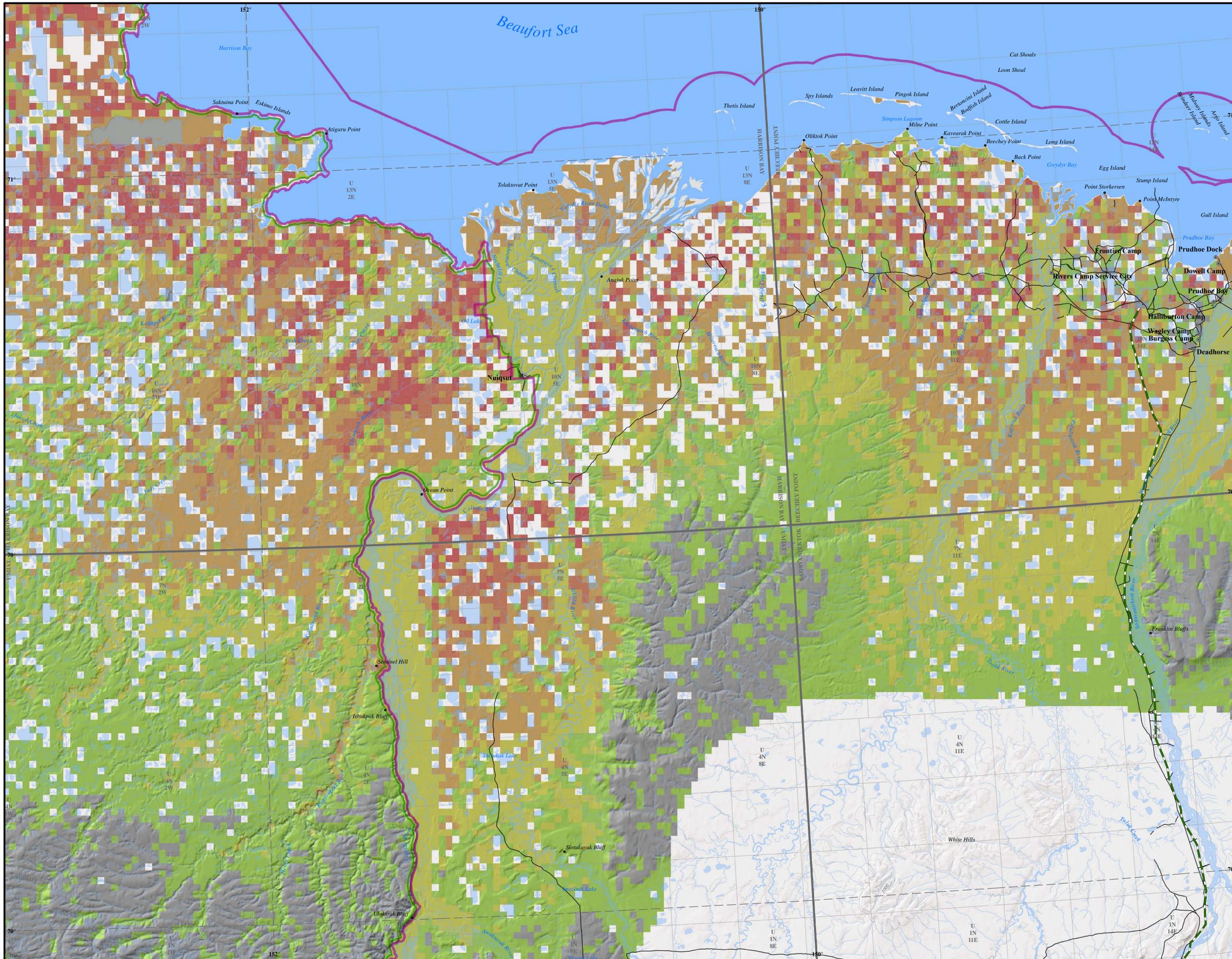
Alaska Department of Natural Resources  
 North Slope Planning Area

**SHOREBIRDS**

May 2014

Tiles 1, 2 and 3

Page 6.0



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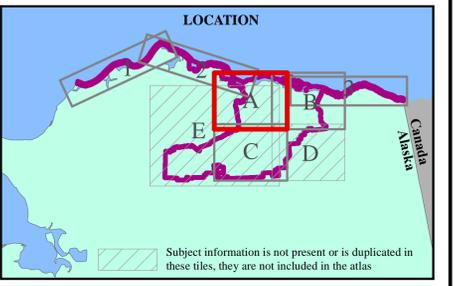
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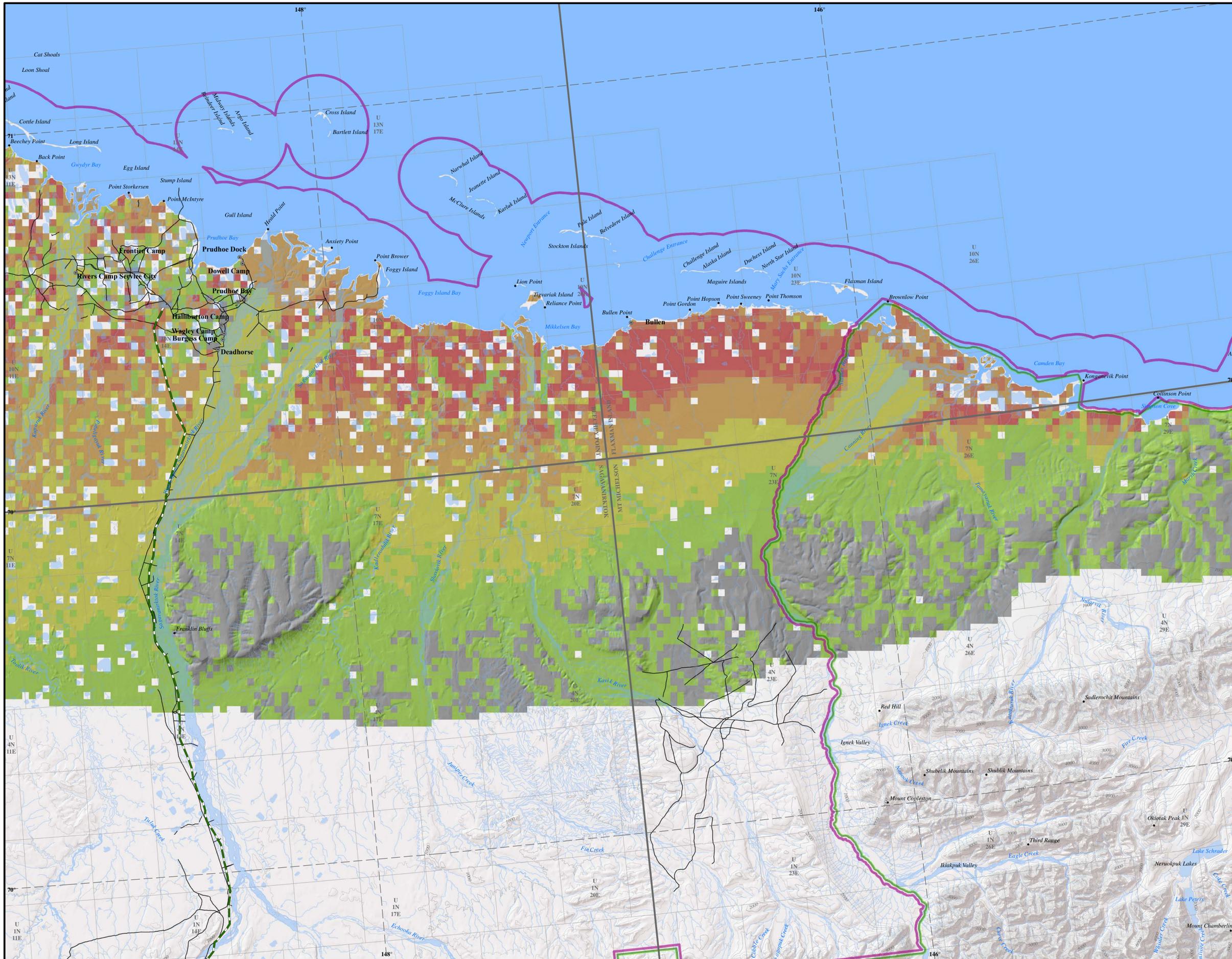
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Alaska Department of Natural Resources  
 North Slope Planning Area  
**SHOREBIRDS**



**LEGEND**

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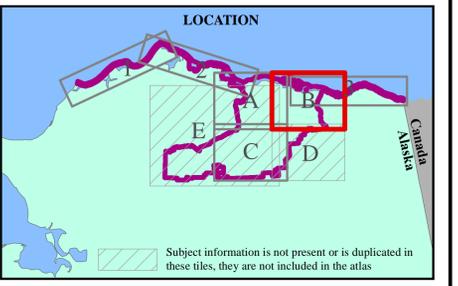
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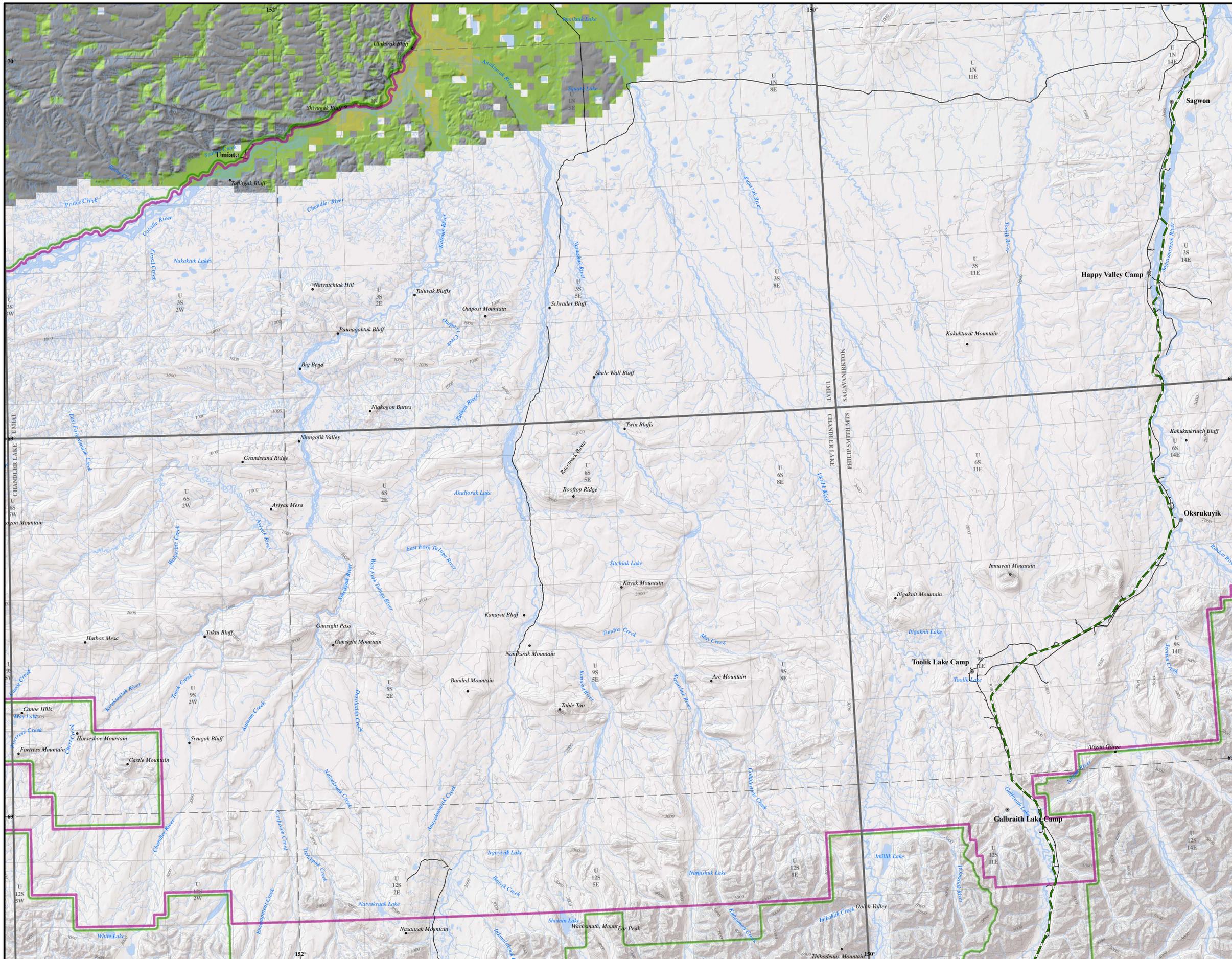
**Alaska Department of Natural Resources**  
**North Slope Planning Area**

**SHOREBIRDS**

May 2014

Tile B

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**LEGEND**

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