

Map 3.3.1-1

Vegetation

Source: USDOI BLM - 2002

VEGETATION OVERVIEW

From National Petroleum Reserve
- Alaska Earth Cover Classification

- Clear Water
- Turbid Water
- Ice
- Arctophila fulva
- Carex aquatilis
- Flooded Tundra - LCP
- Flooded Tundra - Nonpattern
- Wet Tundra
- Sedge/Grass Meadow
- Tussock Tundra
- Moss/Lichen
- Dwarf Shrub
- Low Shrub
- Tall Shrub
- Sparsely Vegetated
- Dunes/Dry Sand
- Barren Ground Other
- Clouds, Shadows, Bad Pixels

NPR-A Boundary

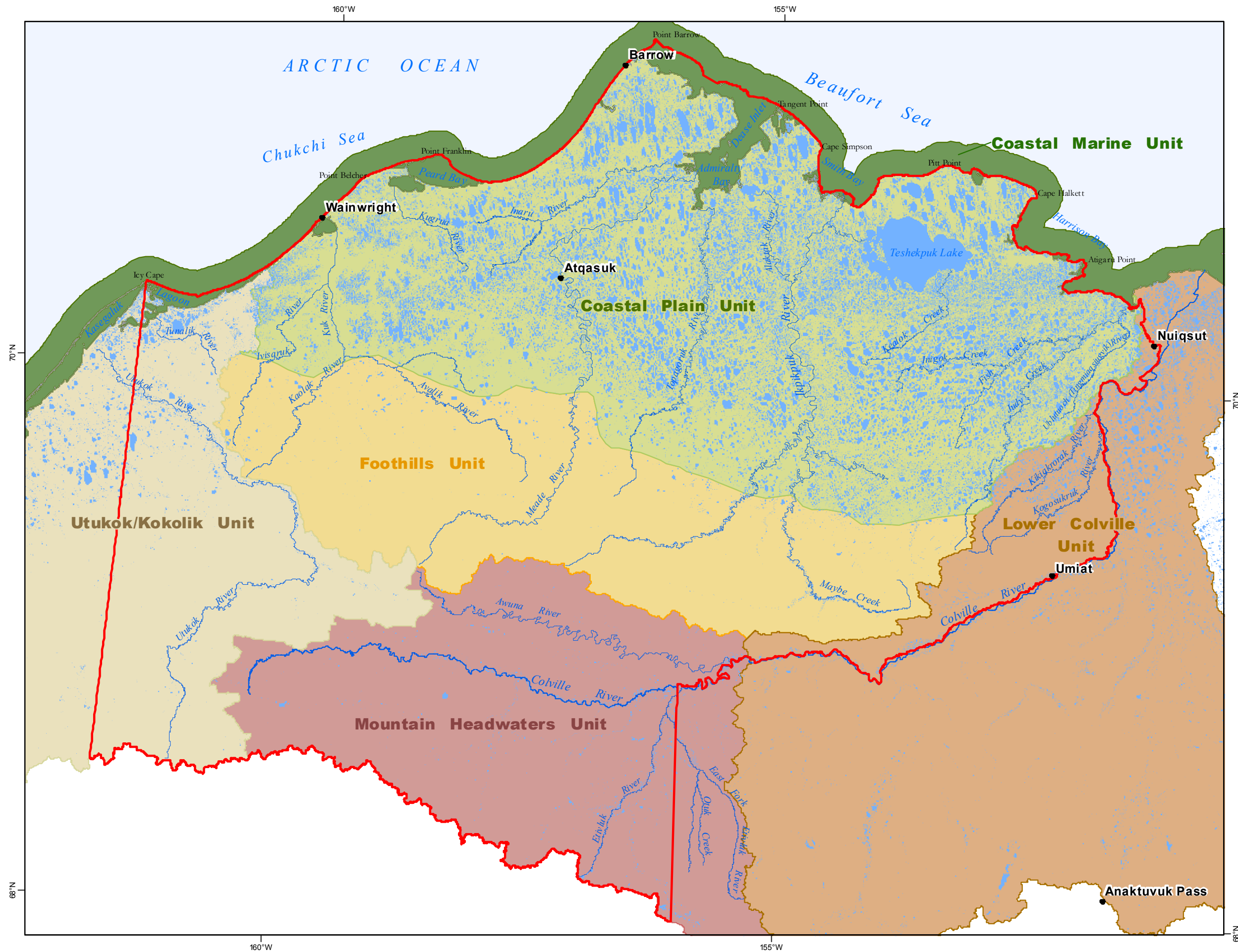
0 6 12 24 36 48 Miles

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Projection: Albers Conic Equal Area
referencing NAD83





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Map 3.3.4-1

Fish Habitat Units

Source: BLM, 2011

-  Fish Habitat Unit
-  NPR-A Boundary

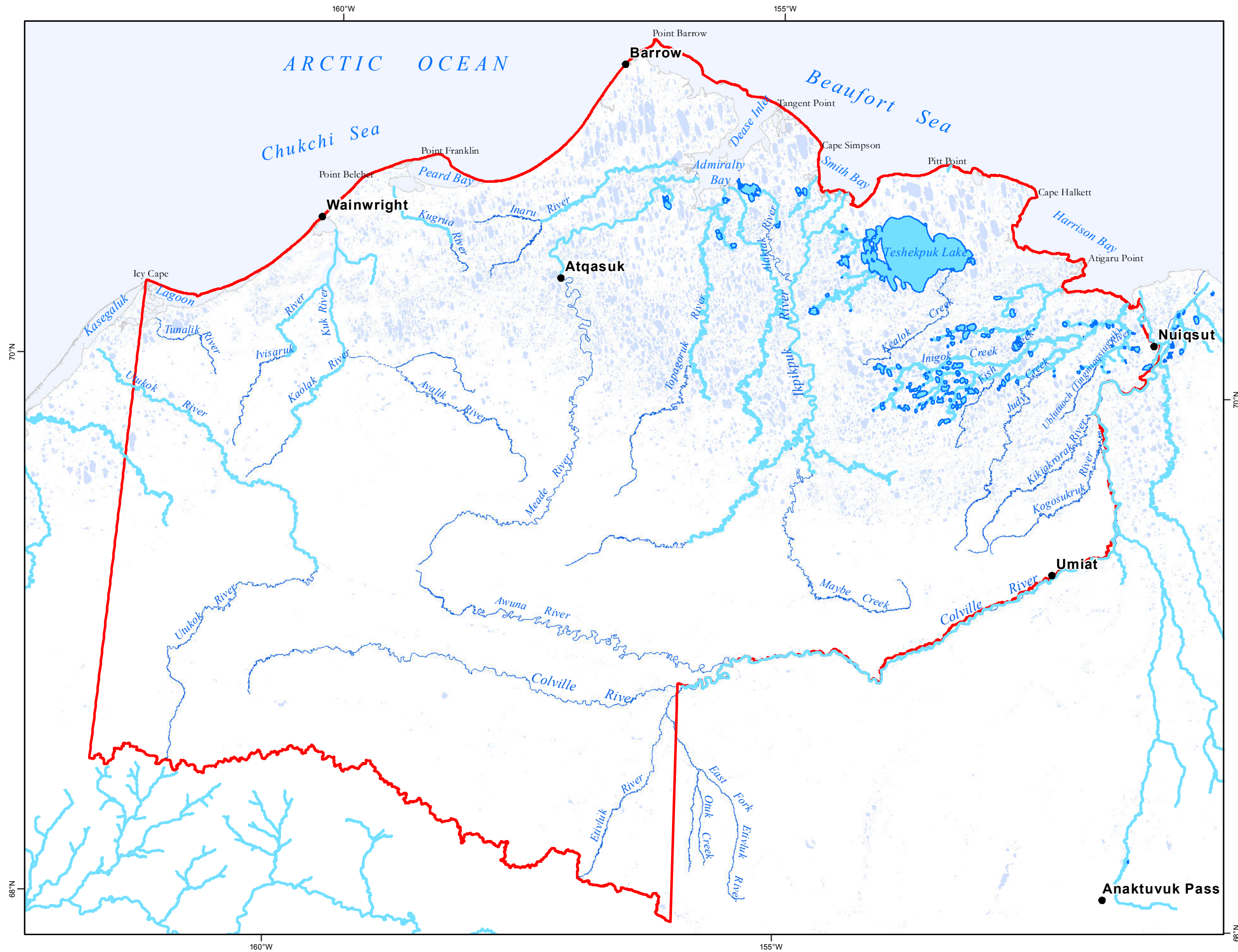


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Map 3.3.4-2
Anadromous Waters


Sources: ADF&G, 2011.


 Anadromous Waters

 Rivers

 Lakes with anadromous fish present


 Lakes

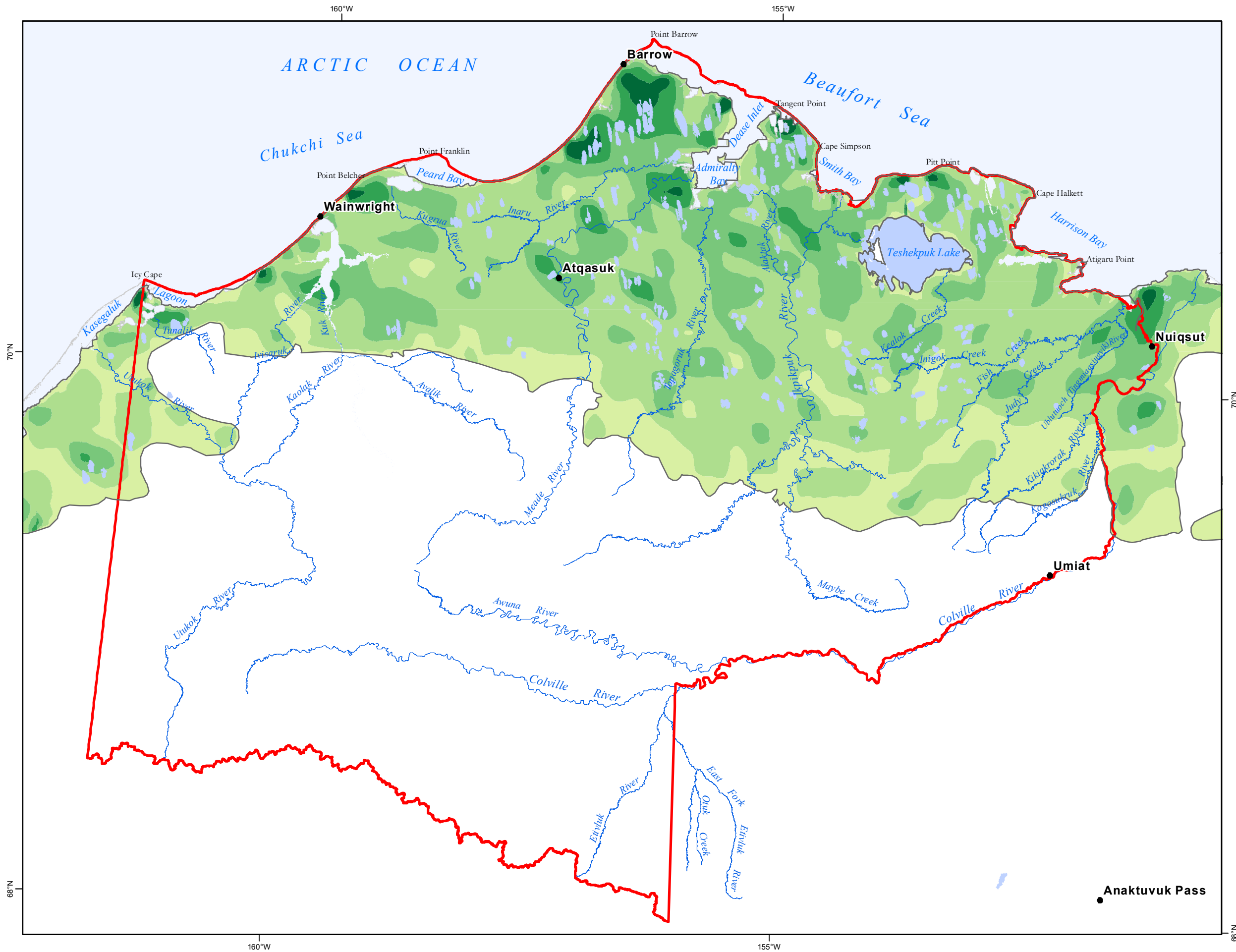
 NPR-A Boundary


0 6 12 24 36 48 Miles

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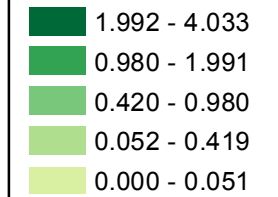


Map 3.3.5-1 Glaucous gull Onshore Density

Sources: USFWS - Migratory Bird
Management, 2010.

Estimated Relative Onshore Density (2007-2010)

Birds per Square Kilometer



Survey Area
Boundary

NPR-A Boundary

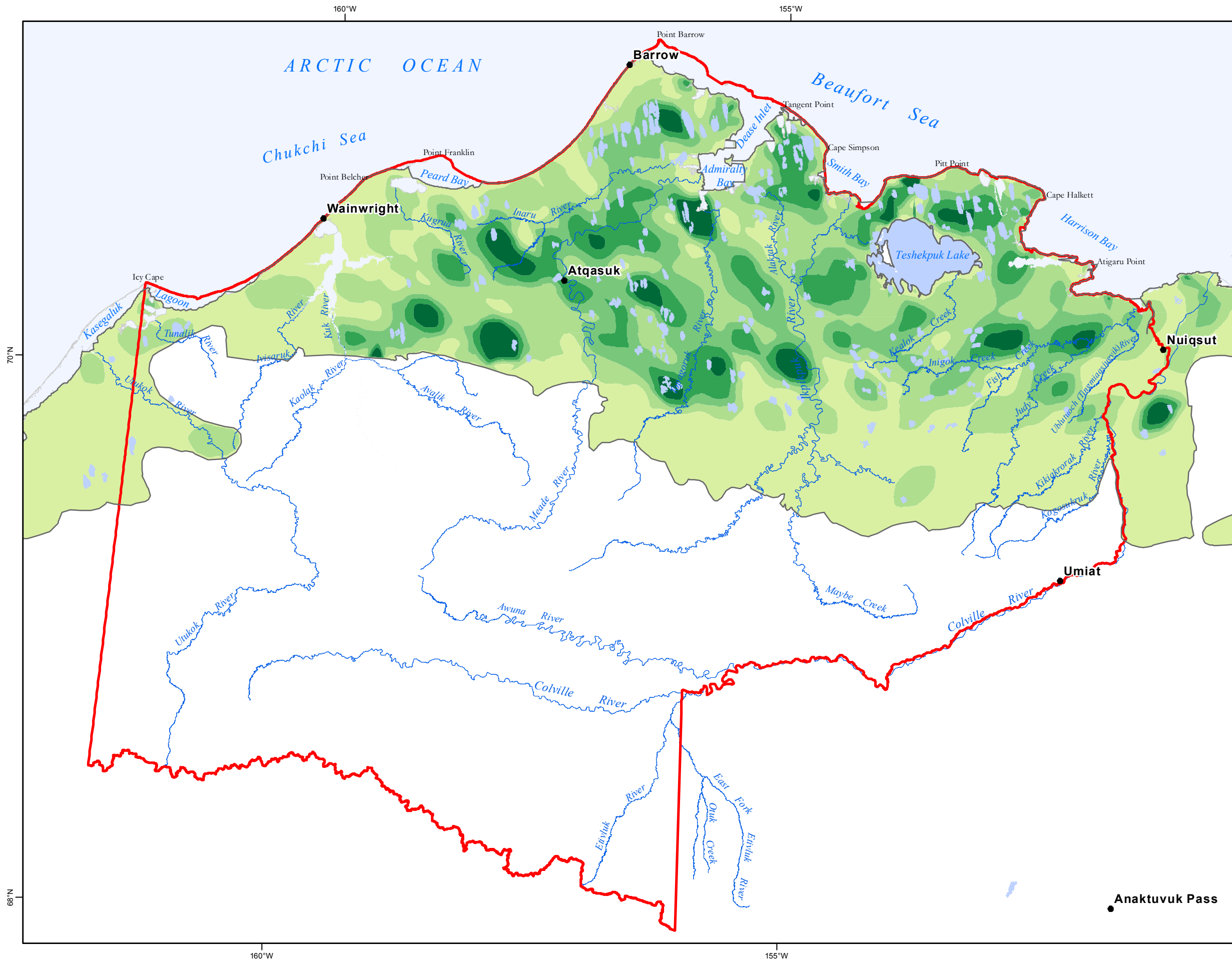
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Miles

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Map 3.3.5-2
Sabine's gull
Onshore Density

Sources: USFWS - Migratory Bird Management, 2010.

Estimated Relative Onshore Density (2007-2010)

- Birds per Square Kilometer
- 1.311 - 2.926
 - 0.665 - 1.310
 - 0.310 - 0.664
 - 0.031 - 0.309
 - 0.000 - 0.030

-  Survey Area Boundary
-  NPR-A Boundary

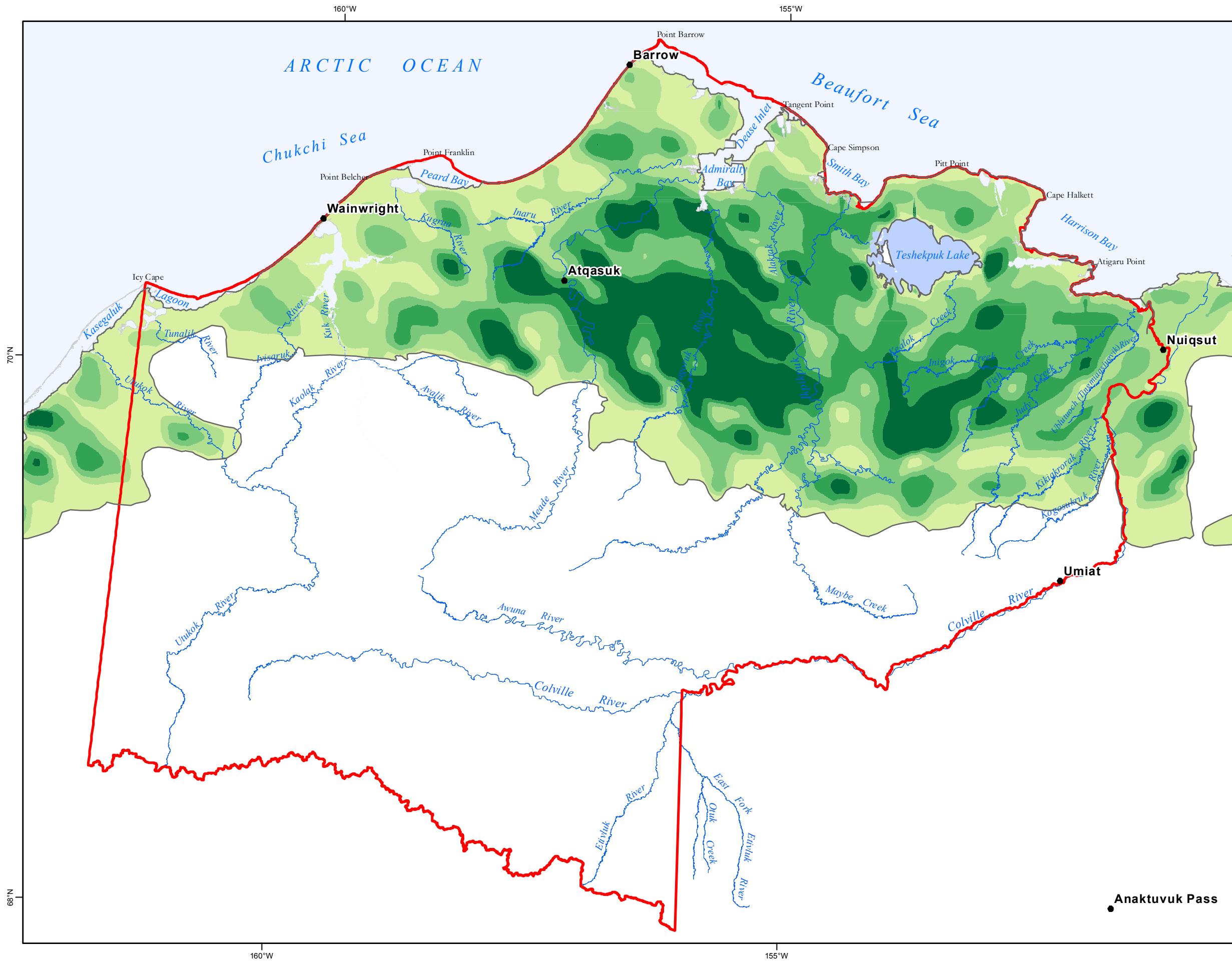
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Map 3.3.5-3

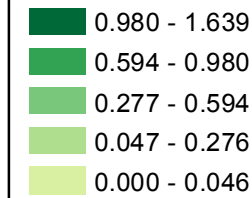
Arctic Tern Onshore Density

Source: USFWS - Migratory Bird
Management, 2010.

ARCTIC TERN

Estimated Relative Onshore Density (2007-2010)

Birds per Square Kilometer



Survey Area
Boundary

NPR-A Boundary

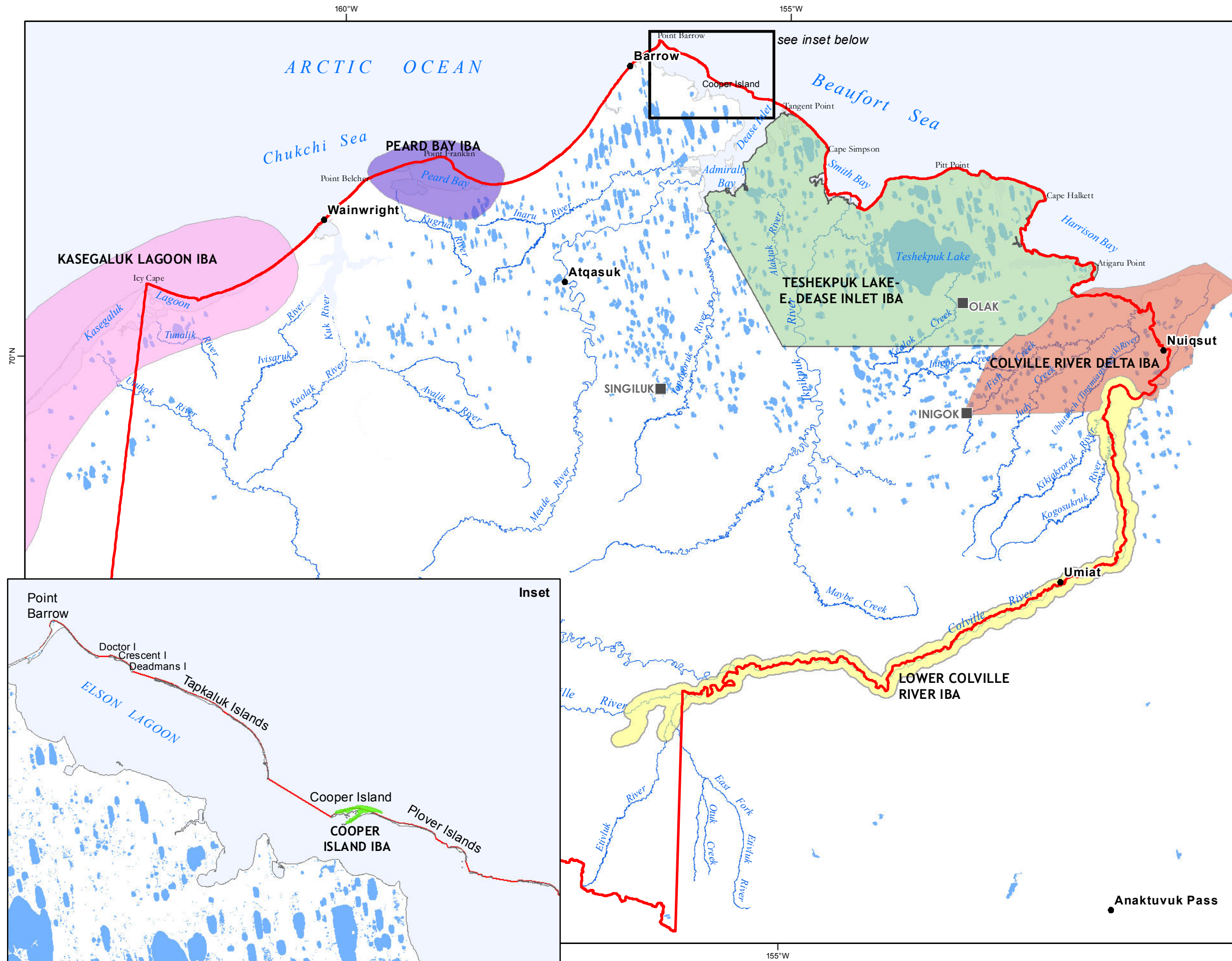
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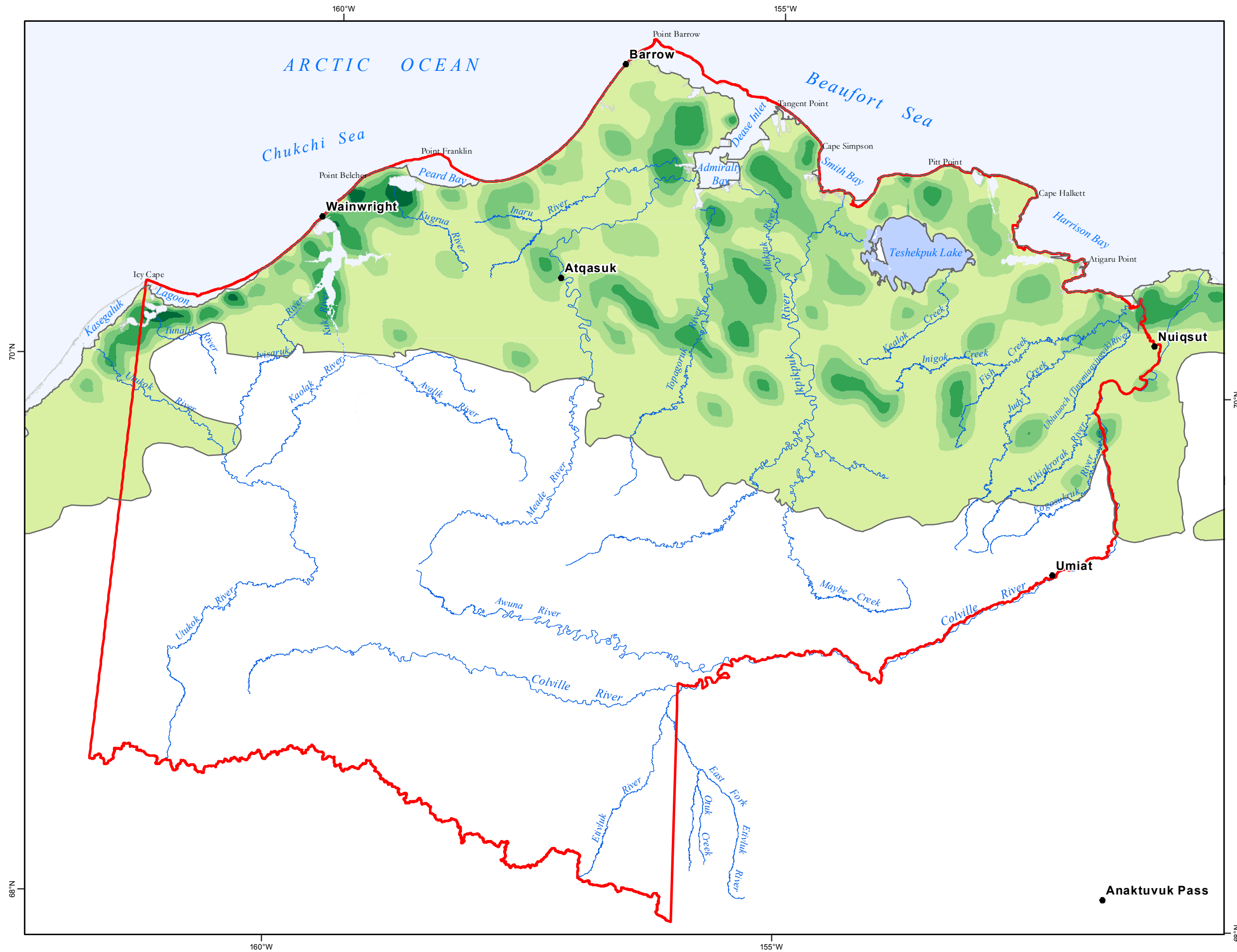
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Map 3.3.5-5

Red-throated Loon
Onshore Density

Source: USFWS - Migratory Bird
Management, 2010.

RED-THROATED LOON

Estimated Relative Onshore Density
(2007-2010)

Birds per Square Kilometer

- 0.451 - 1.037
- 0.234 - 0.450
- 0.111 - 0.233
- 0.029 - 0.110
- 0.000 - 0.029

Survey Area
Boundary

NPR-A Boundary

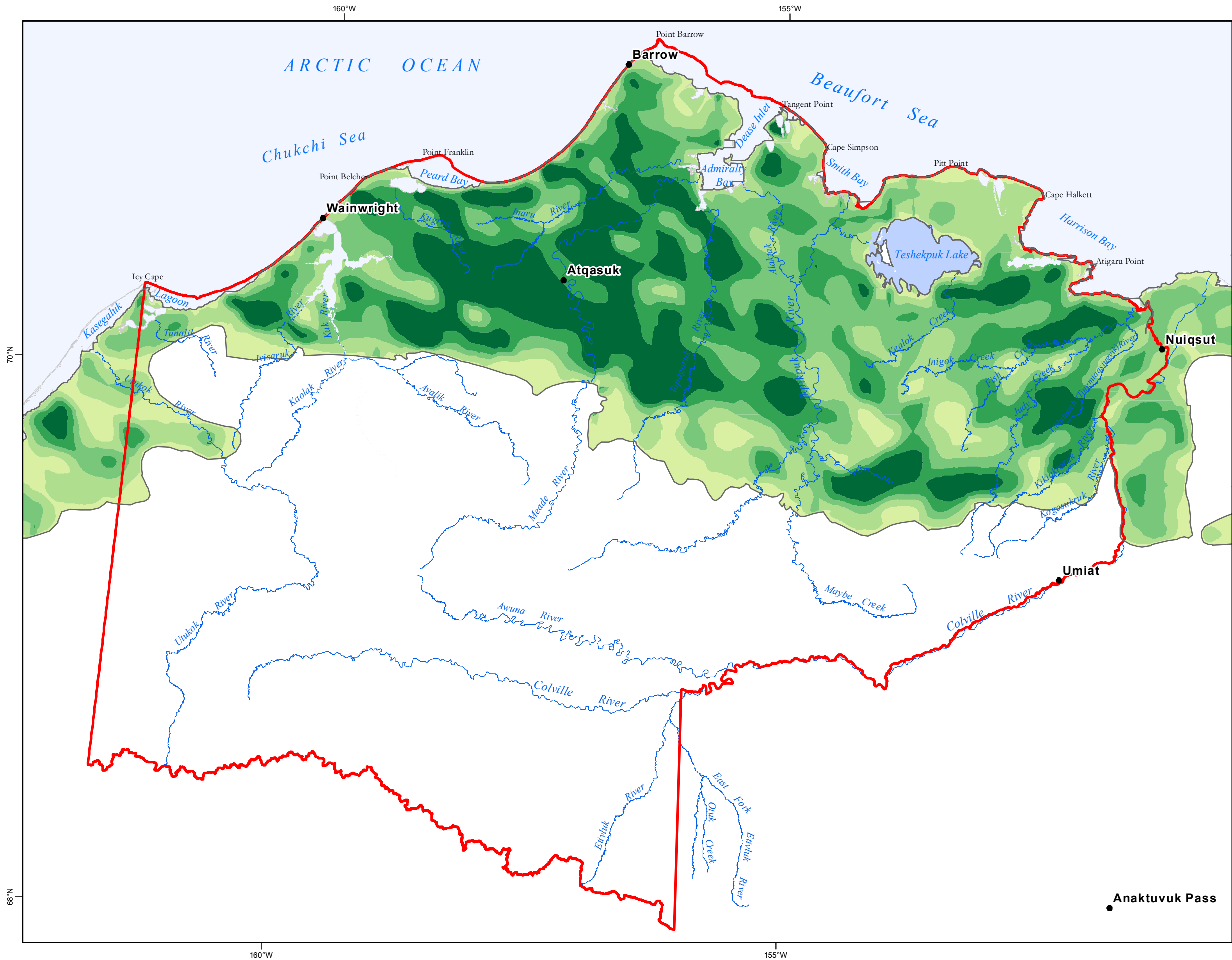
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Map 3.3.5-6

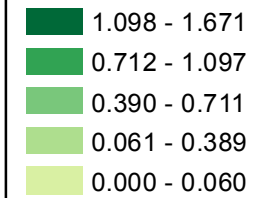
Pacific Loon Onshore Density


Source: USFWS - Migratory Bird
Management, 2010.

PACIFIC LOON

Estimated Relative Onshore Density (2007-2010)

Birds per Square Kilometer



 Survey Area
Boundary

 NPR-A Boundary

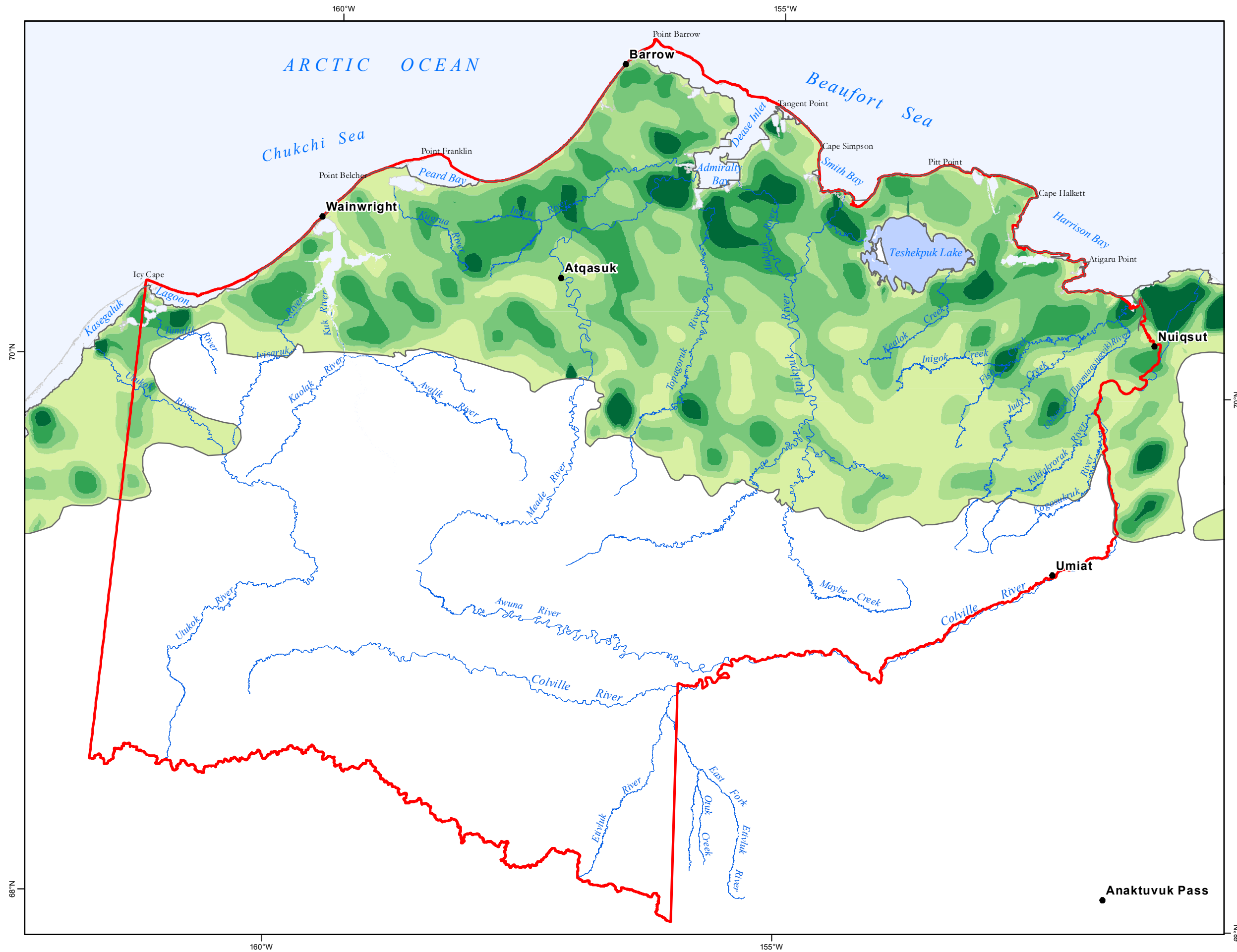
0 12 24 36
Miles

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Map 3.3.5-7
Tundra Swan
Onshore Density

Source: USFWS - Migratory Bird Management, 2010.

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

	0.705 - 1.777
	0.418 - 0.705
	0.217 - 0.417
	0.051 - 0.216
	0.000 - 0.050

 Survey Area Boundary


 NPR-A Boundary

0122436

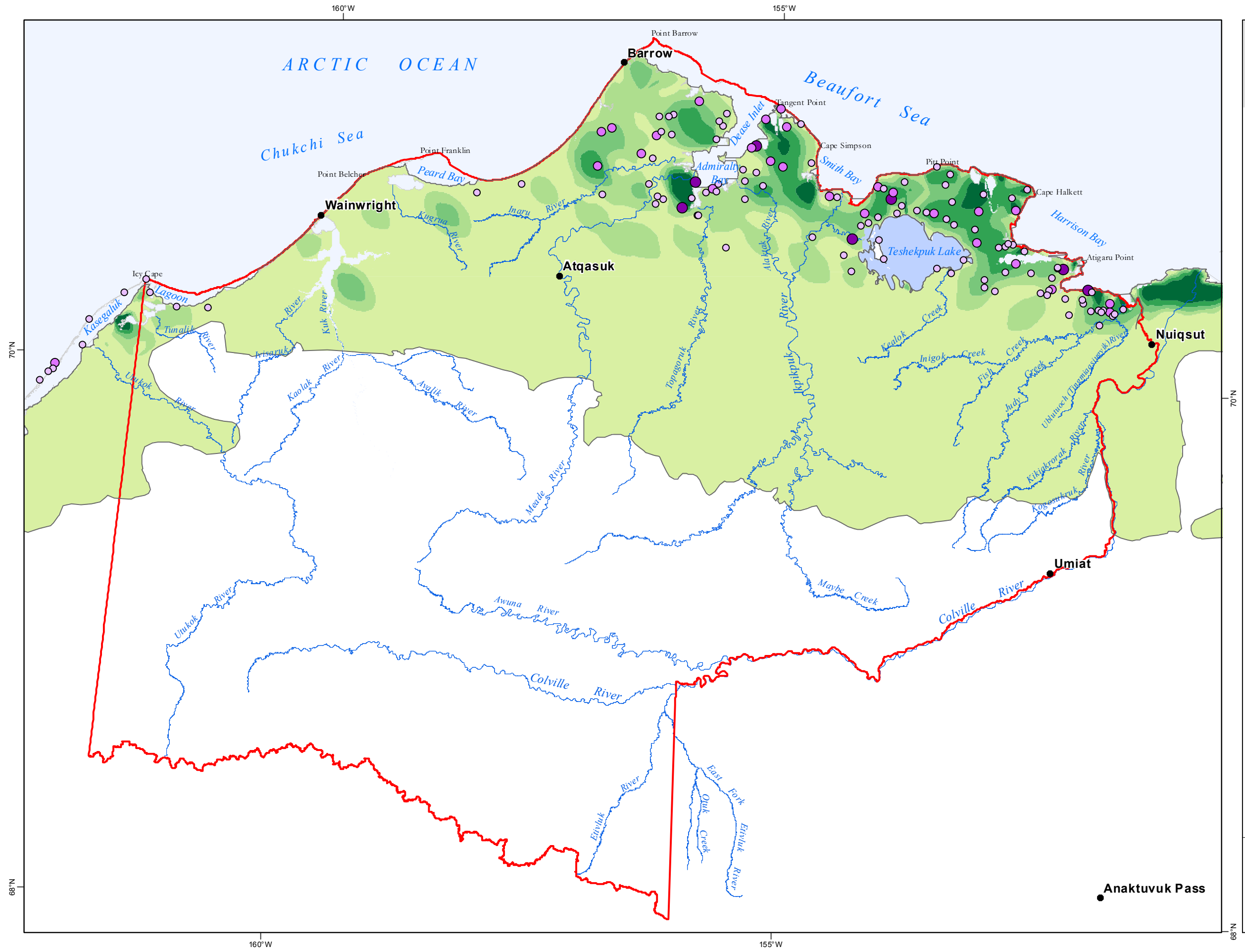
Miles

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referencing NAD83



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Map 3.3.5-8
Brant Onshore Density and Colonies

Sources: USFWS - Migratory Bird Management, 2010 & ABR, 2007.

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

Survey Area Boundary

Brant Colonies (1995 - 2006)
Year with Greatest Number of Nests Displayed< 1212 - 4546 - 85

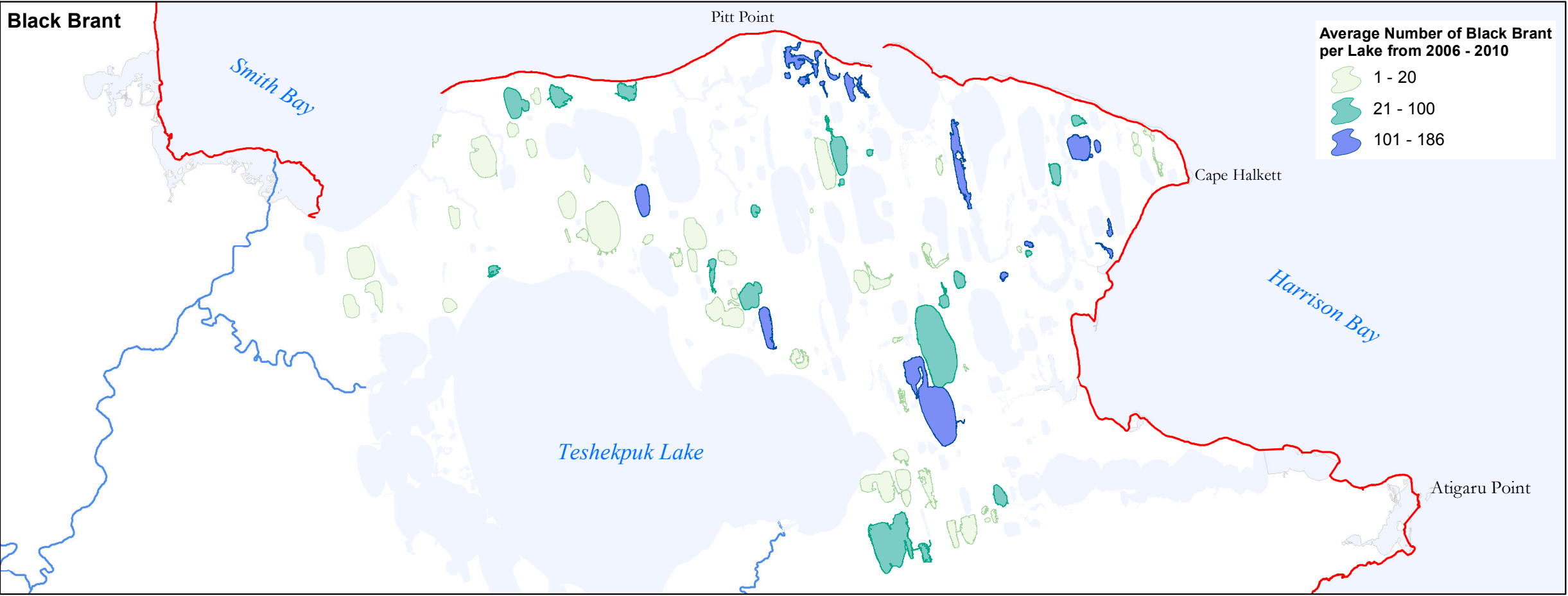
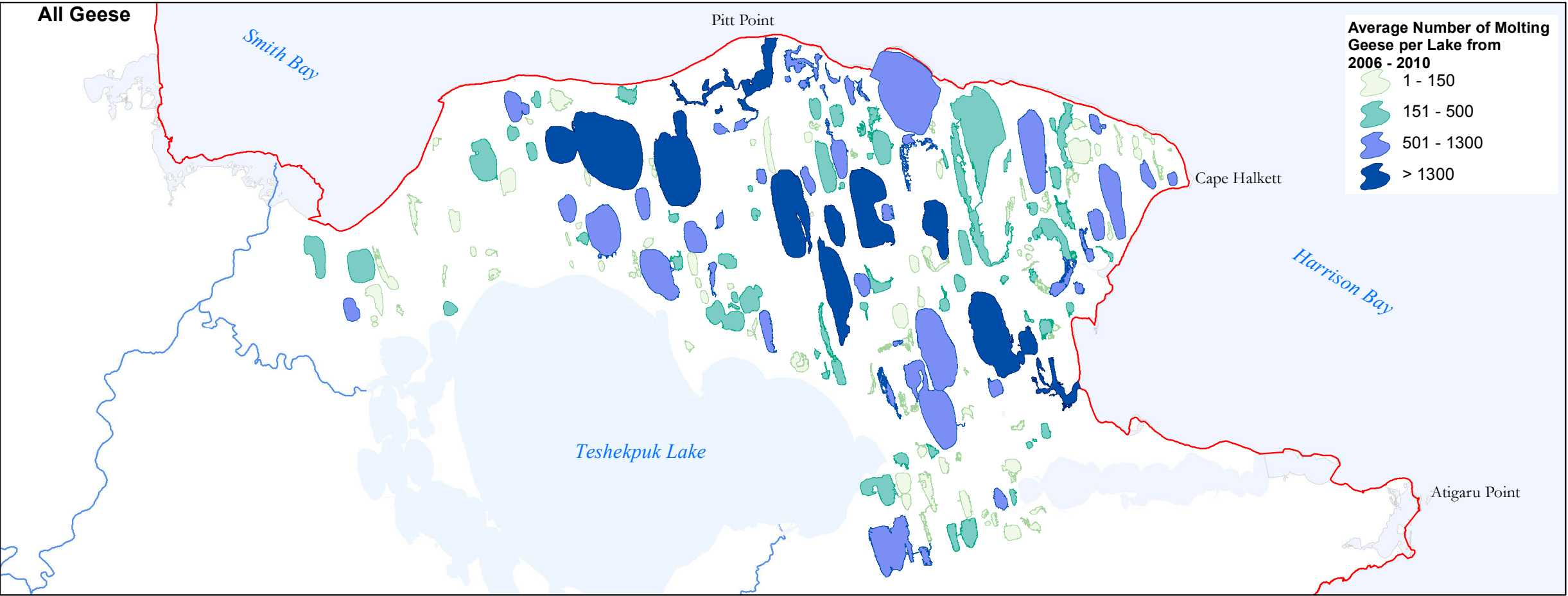
NPR-A Boundary

0122436

Miles

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Projection: Albers Conic Equal Area
referencing NAD83Bureau of Land Management - Alaska
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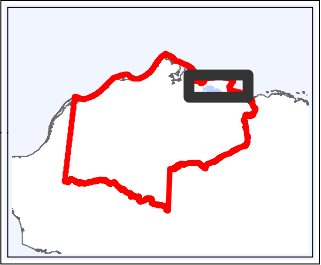


Map 3.3.5-9
Molting Goose* and Black
Brant Distribution in
Surveyed Lakes
2006 - 2010

Source: USFWS - Migratory
Bird Management, 2010

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

 NPR-A Boundary



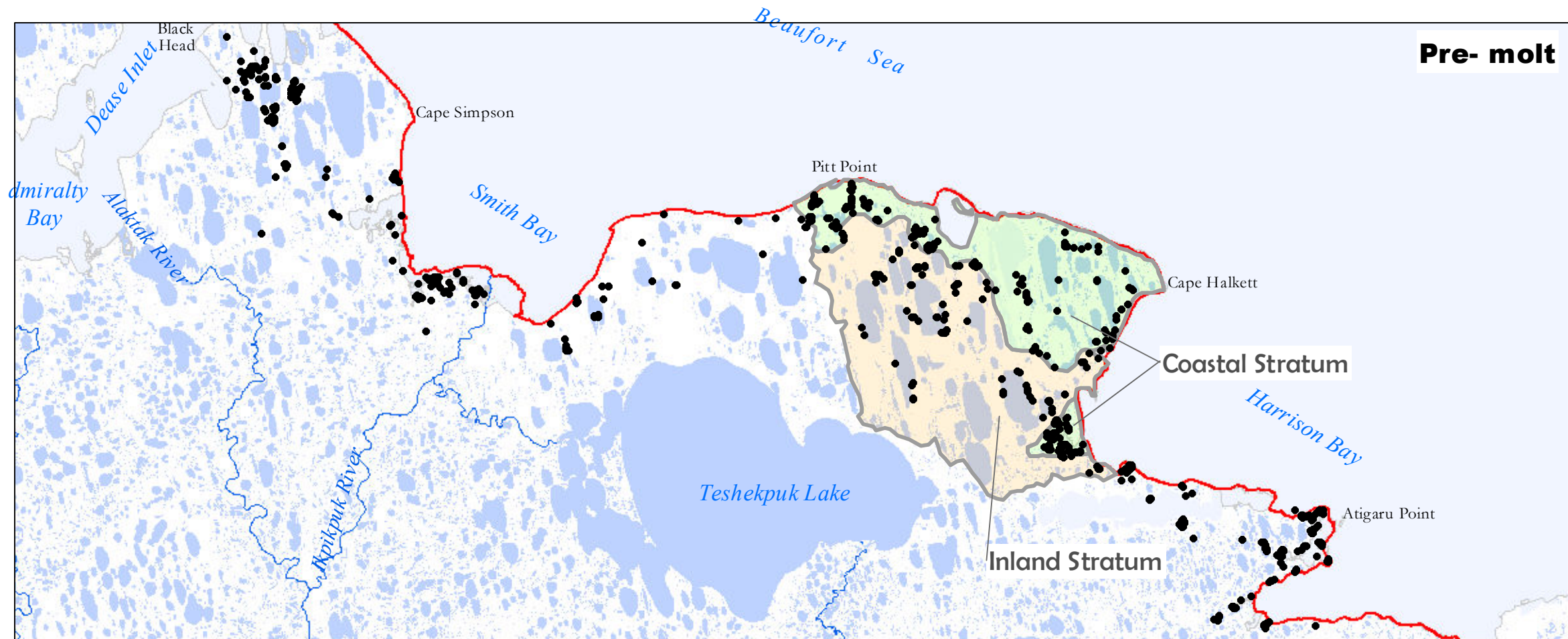
0 5 10
Miles

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Map 3.3.5-10

Black Brant Locations Pre-Molt and Molt

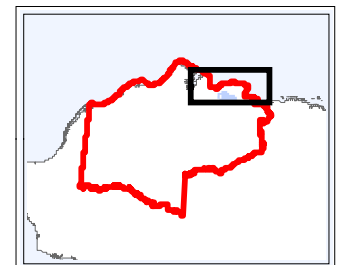
Source: USGS, 2010

BLACK BRANT

- Locations from GPS
- Transmitter-marked brant
Summers 2007 & 2008

Stratum Boundary

NPRA- Boundary



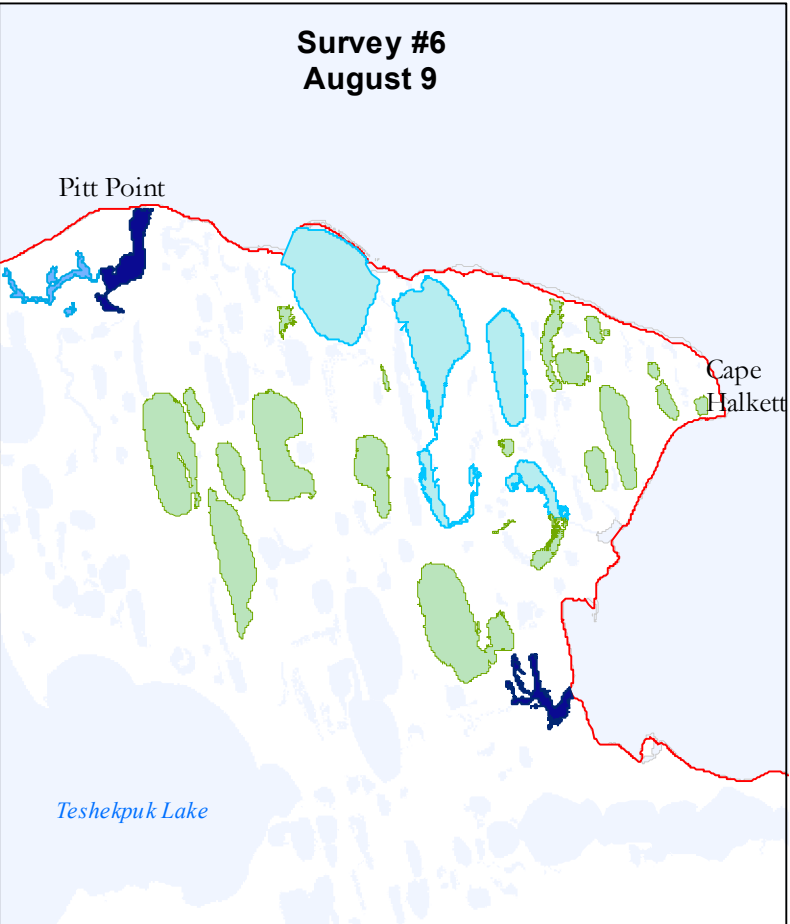
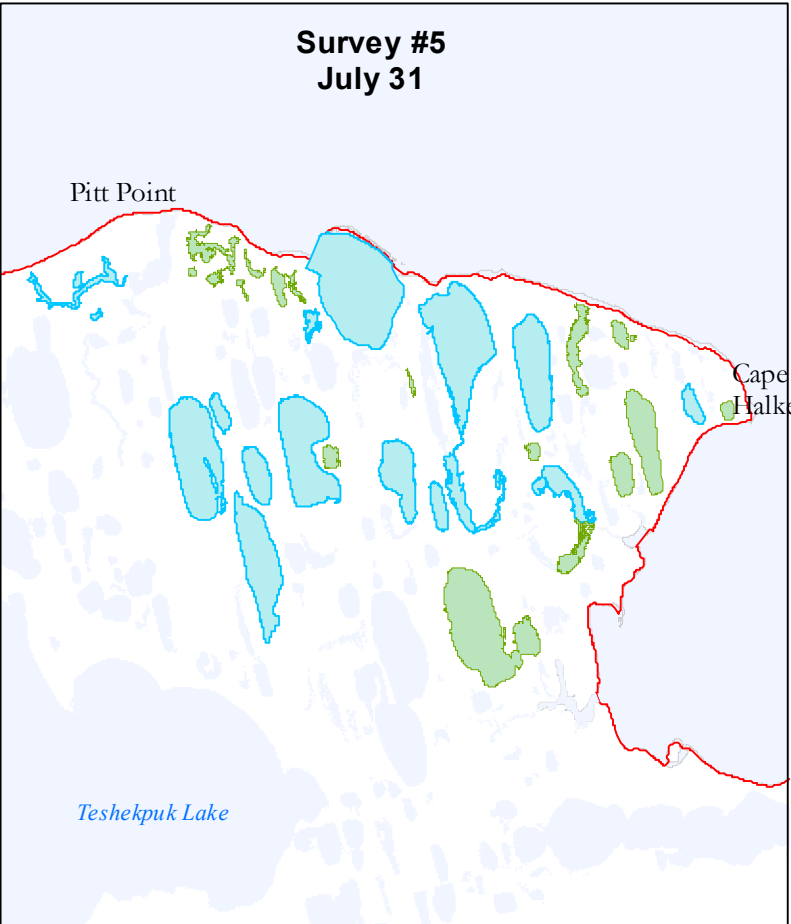
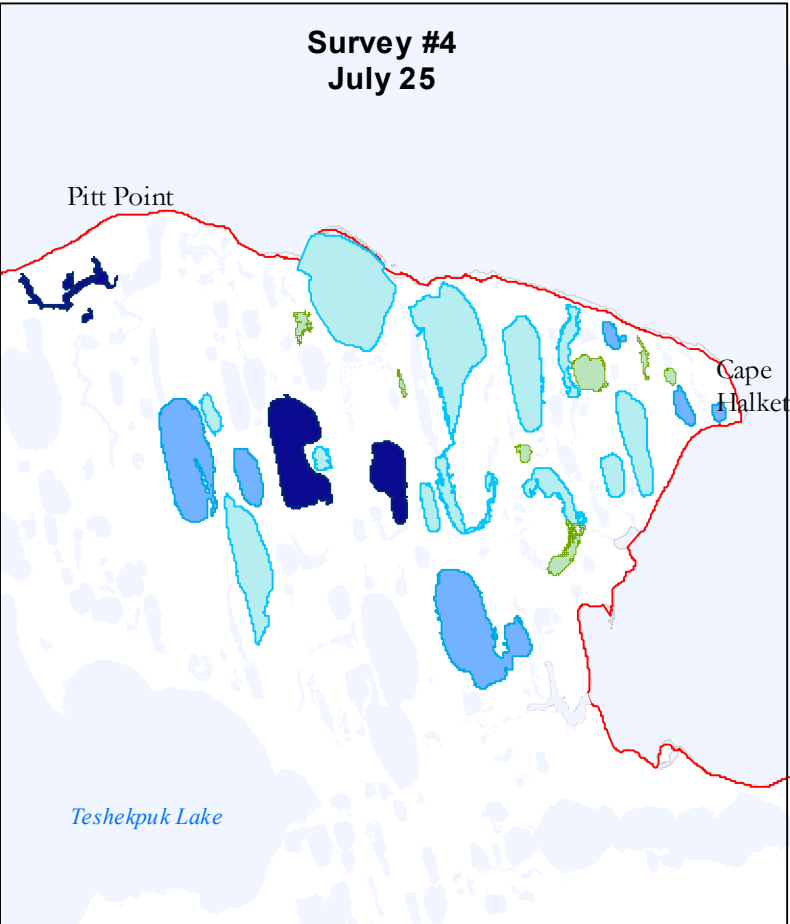
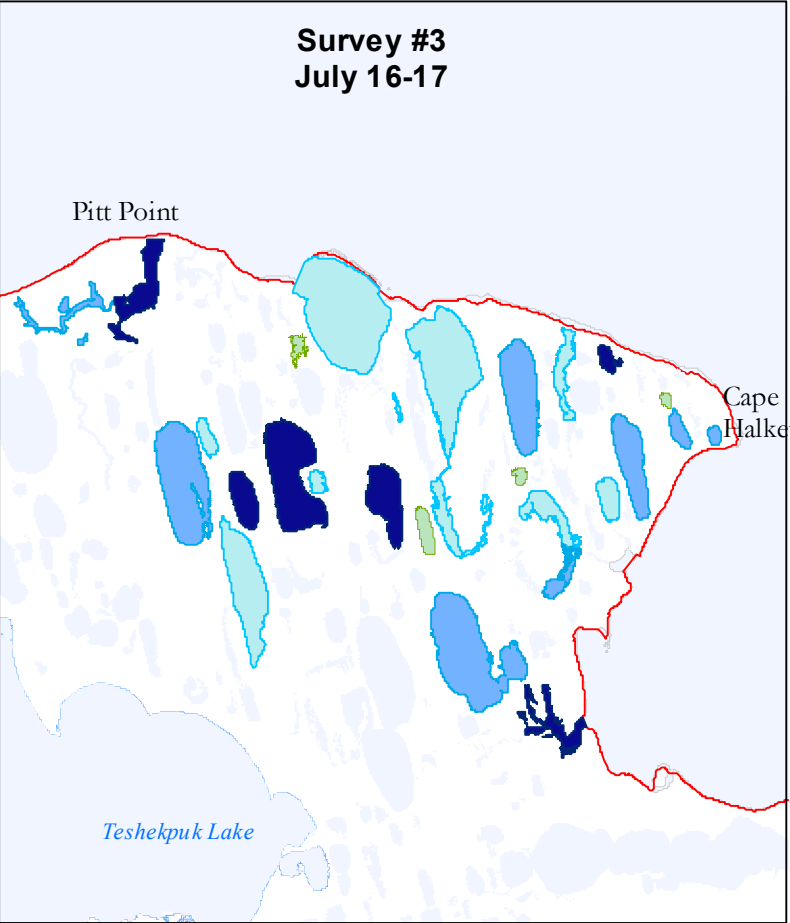
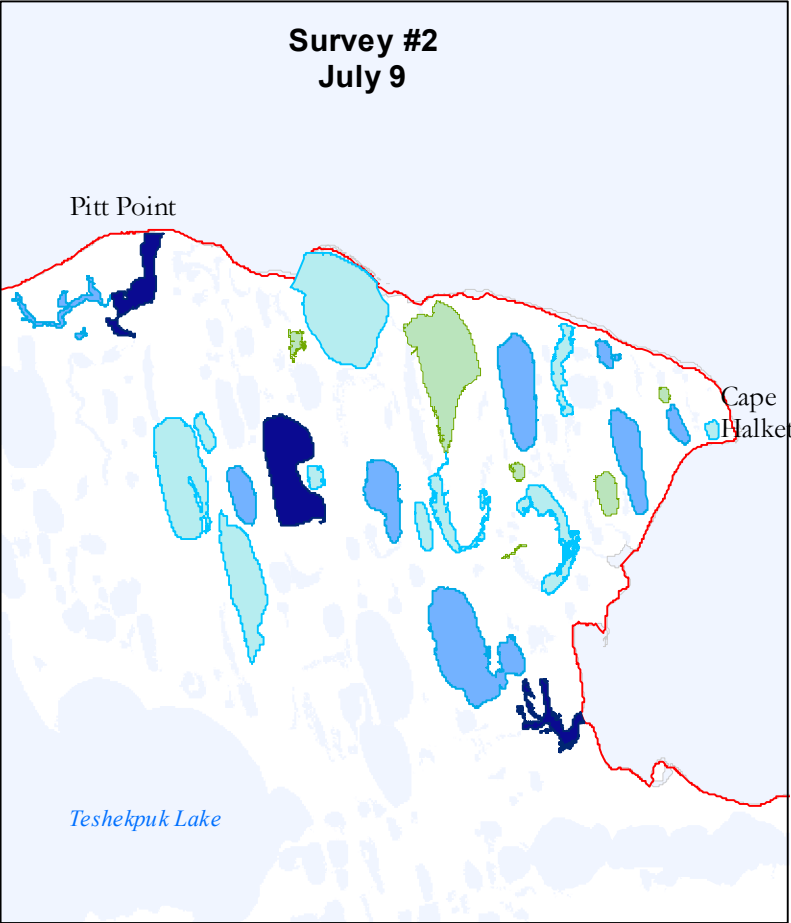
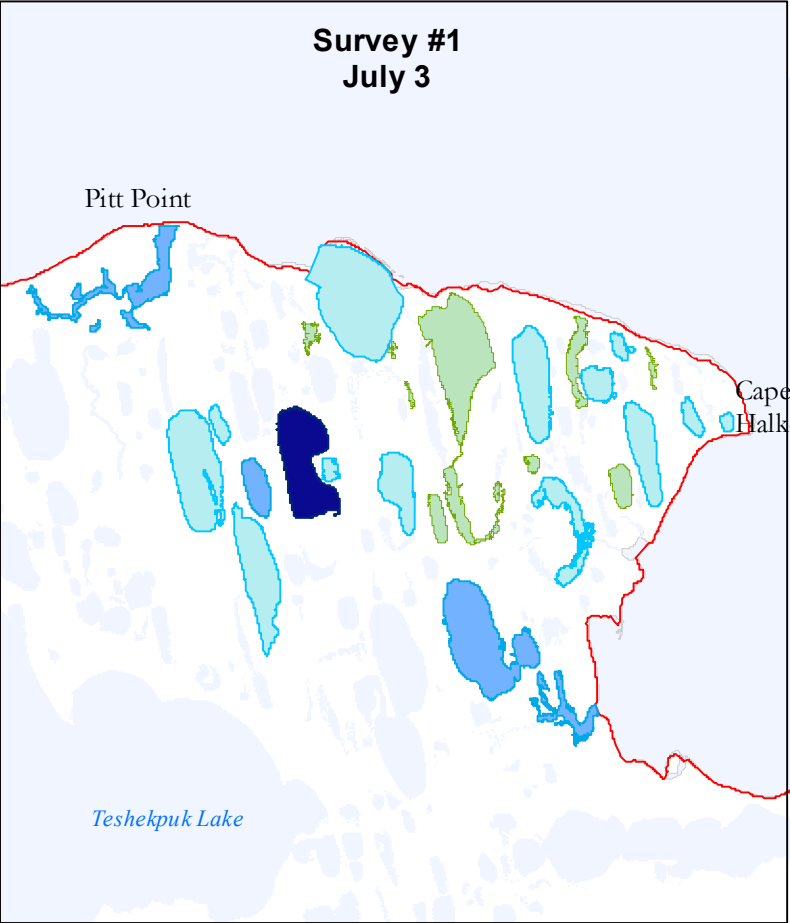
0 5 10 Miles

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Map 3.3.5-11
Brant Distribution in Surveyed Lakes - 2007

Source: USGS, 2010

Number of Brant per Lake

- 1 - 100
- 101 - 500
- 501 - 1,000
- 1,001 - 2,946

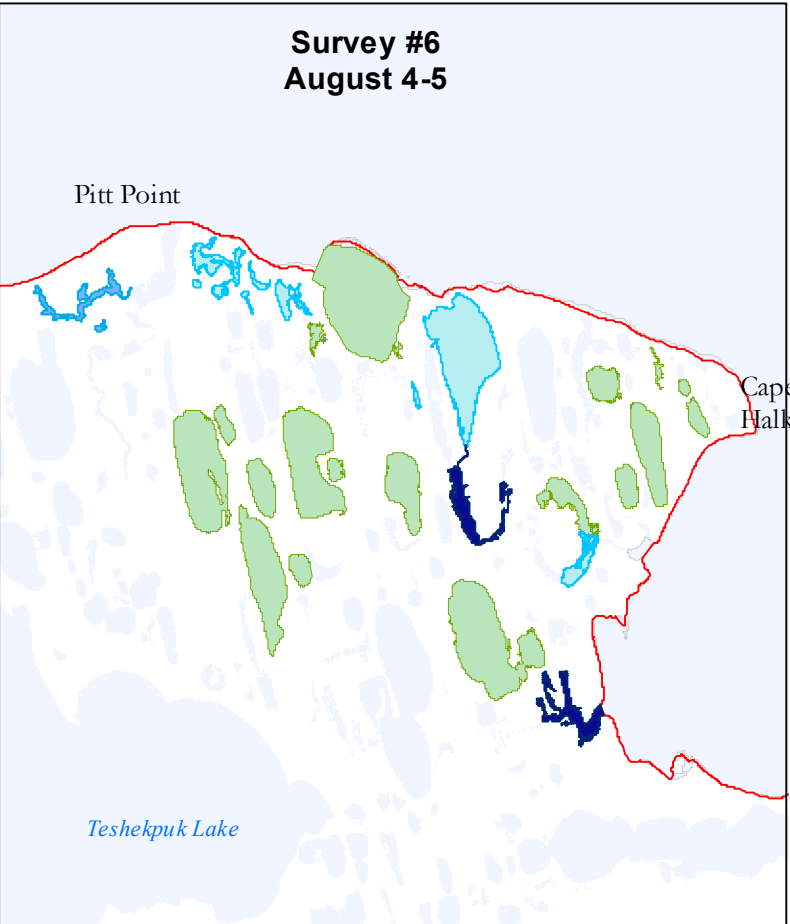
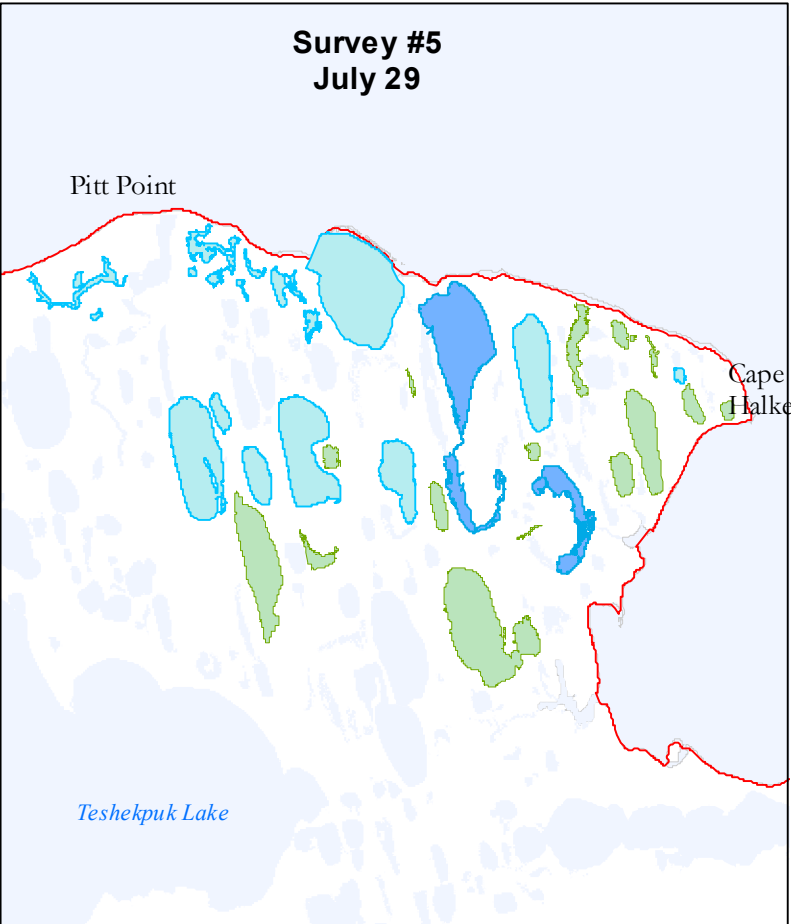
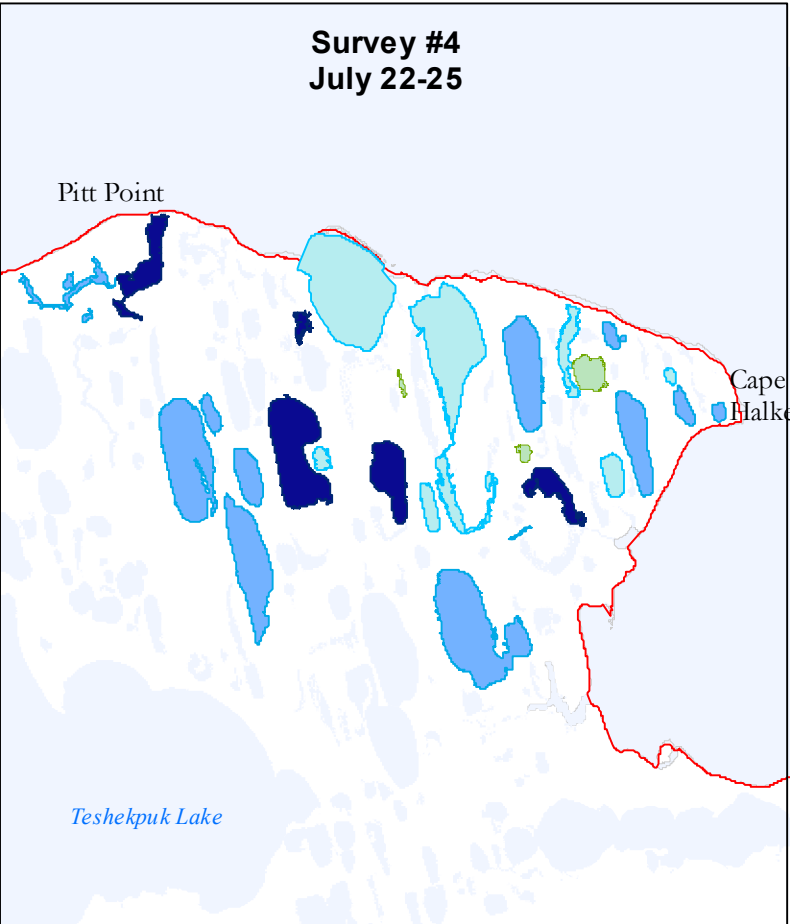
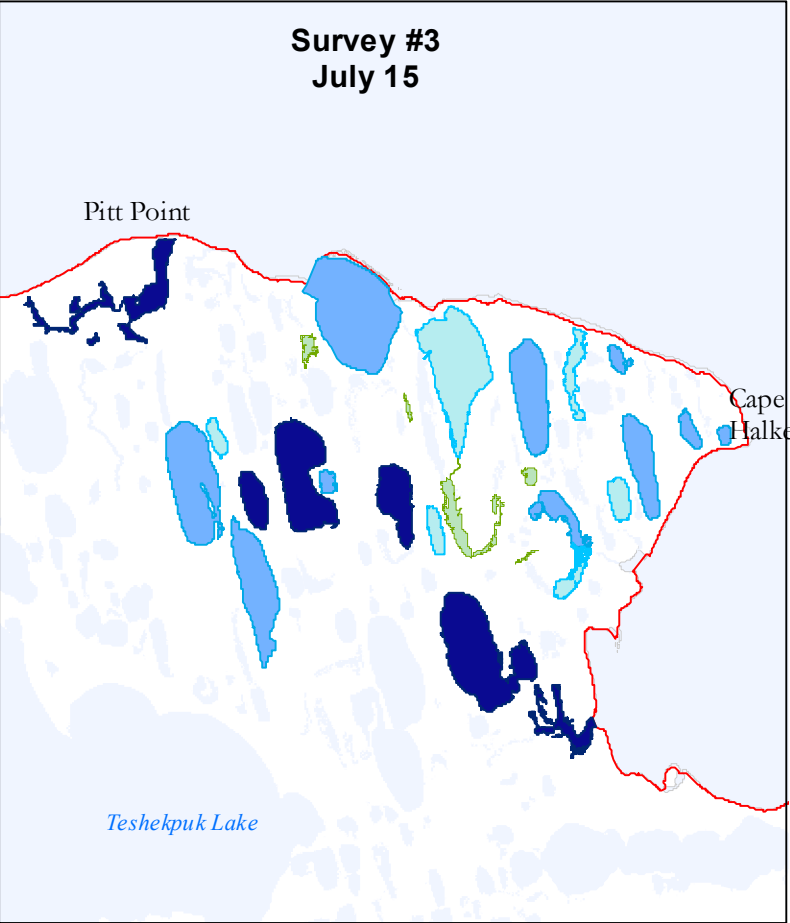
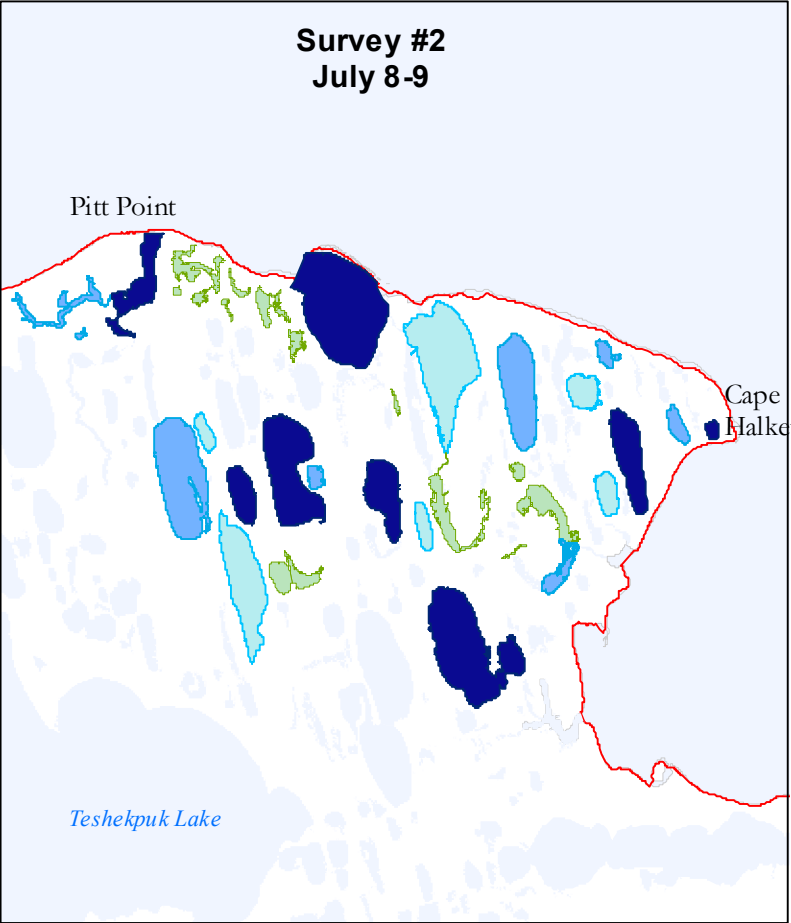
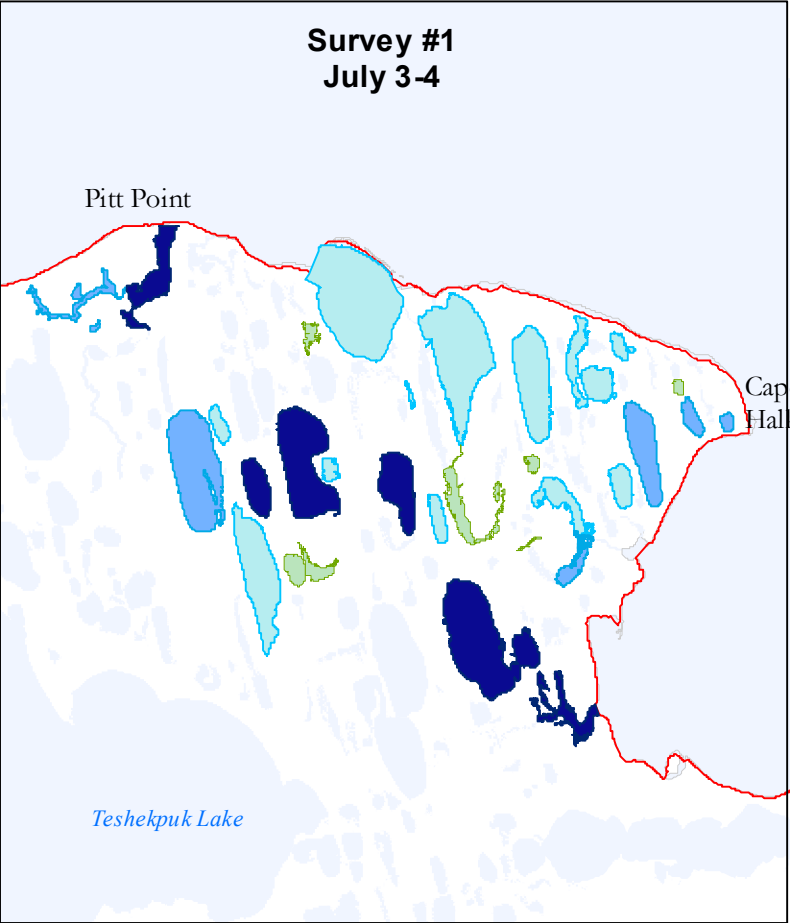
NPR-A Boundary

0 5 10 Miles

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Map 3.3.5-12
Brant Distribution in Surveyed Lakes - 2008

Source: USGS, 2010

Number of Brant per Lake

- 1 - 100
- 101 - 500
- 501 - 1,000
- 1,001 - 2,946

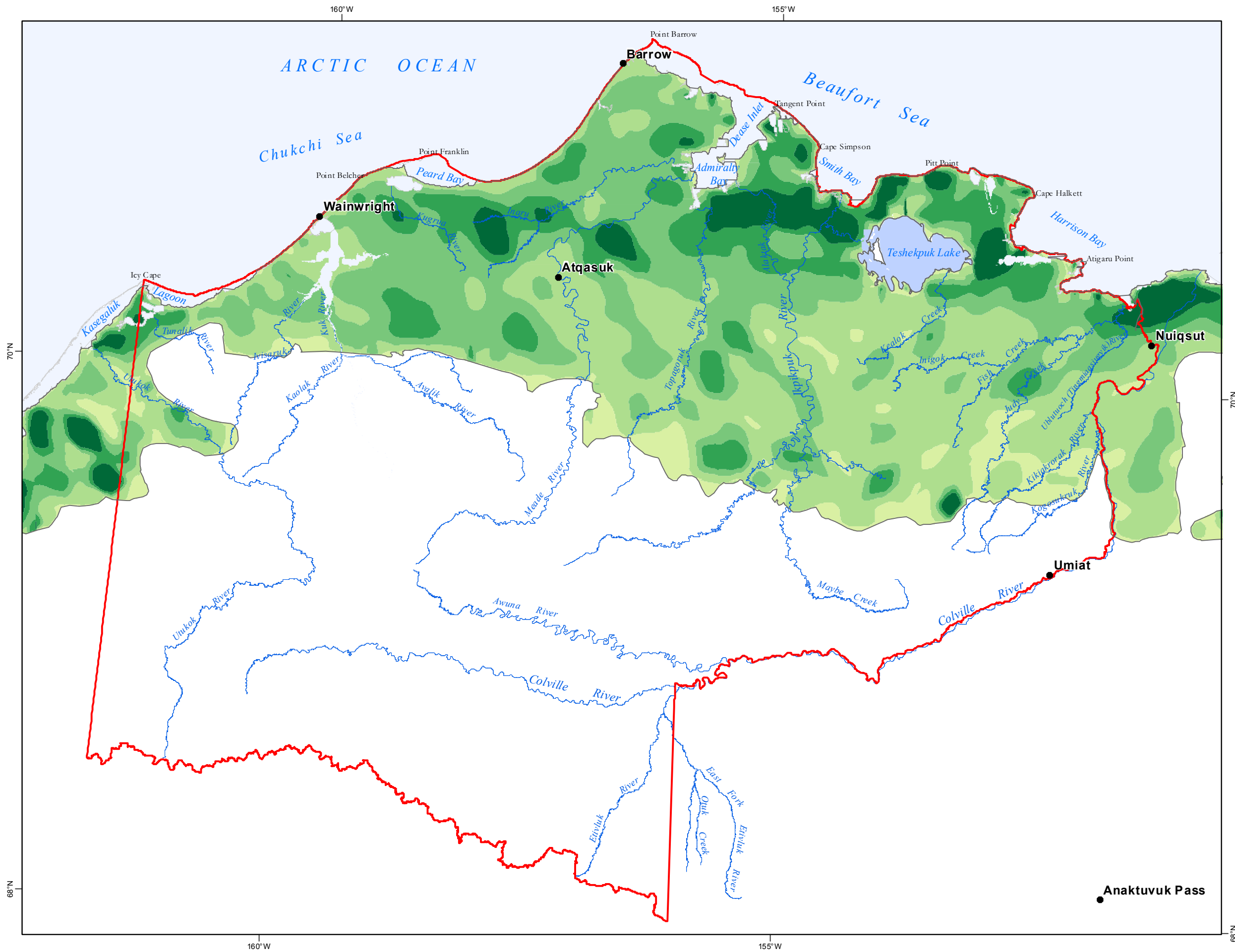
NPR-A Boundary

0 5 10 Miles

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Map 3.3.5-13
Greater White-fronted Goose Onshore Density

Source: USFWS - Migratory Bird Management, 2010.

GREATER WHITE-FRONTED GOOSE
Estimated Relative Onshore Density (2007-2010)
Birds per Square Kilometer

	8.782 - 15.846
	5.002 - 8.781
	2.304 - 5.001
	0.119 - 2.303
	0.000 - 0.118

Survey Area Boundary

NPR-A Boundary

0122436

Miles

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Map 3.3.5-14
Ikpikpuk River Delta
Lesser Snow Goose
Colony

Sources: ABR, 2007.
Imagery Source: USGS, 2002-2007.

 NPR-A Boundary



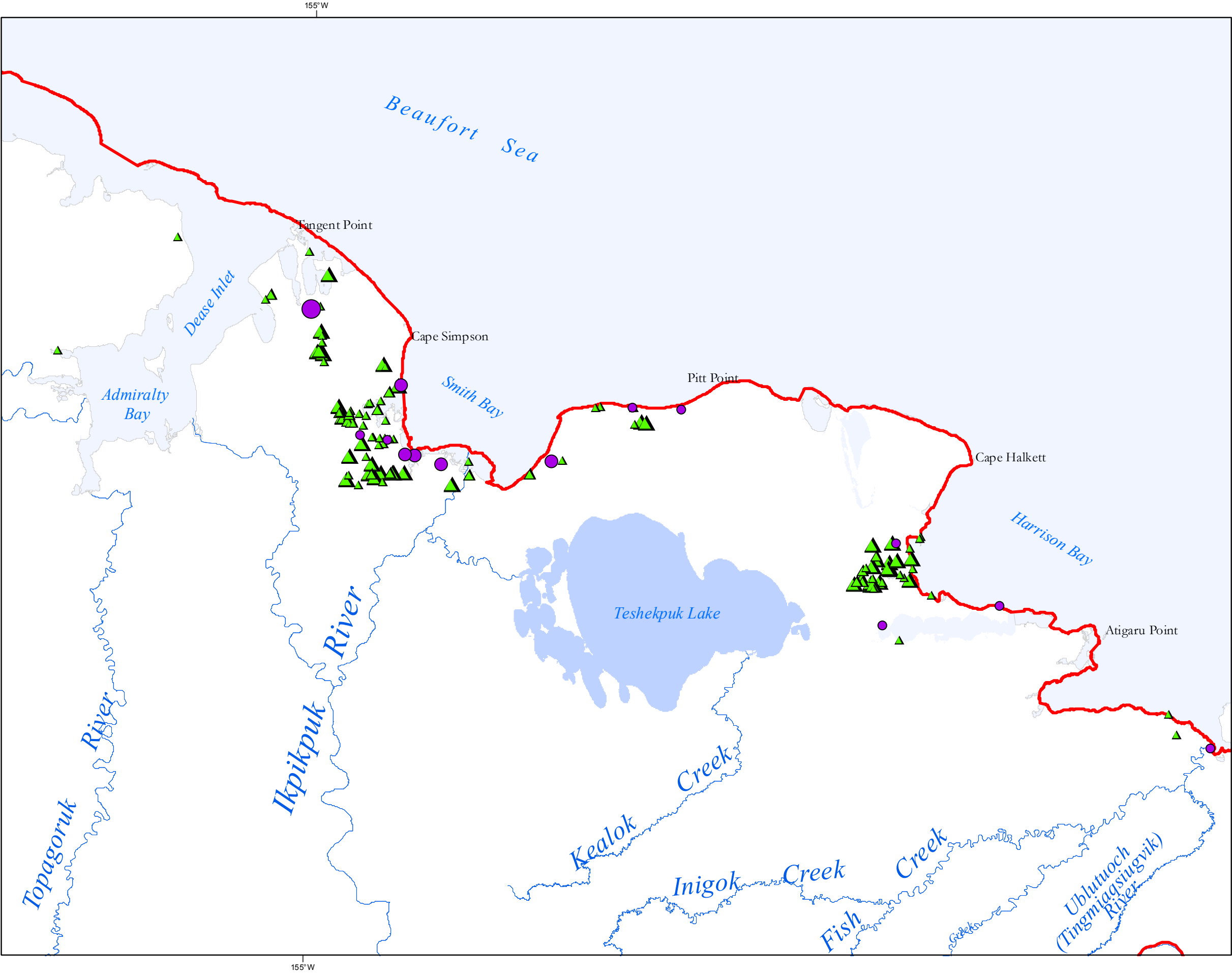
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Map 3.3.5-15

**Lesser Snow Goose
Brood-rearing Survey**

Source: Ritchie et al., 2010

**LESSER SNOW GOOSE
Brood-rearing Survey
Locations 2010**

Groups With Young

- 1 - 50
- 51 - 100
- >100

Goups Without Young

- 1 - 50
- 50 - 100
- >100

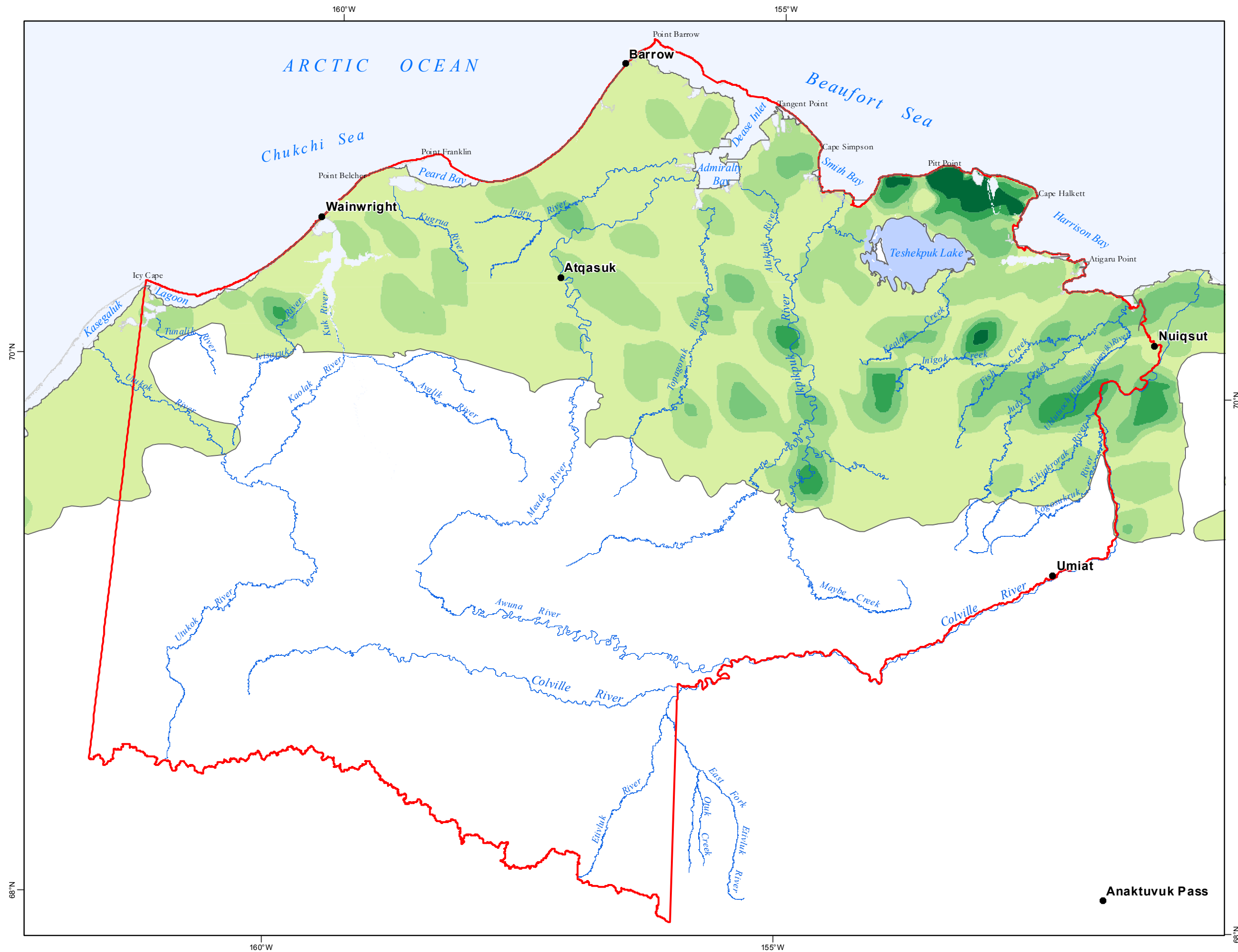
NPR-A Boundary

0 6 12 18 Miles

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referencing NAD83

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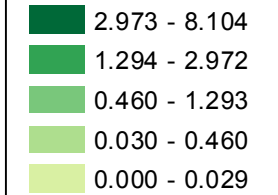


Map 3.3.5-16
Canada Goose
Onshore Density

Source: USFWS - Migratory Bird Management, 2010.

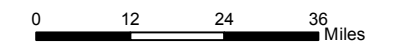
CANADA GOOSE
Estimated Relative Onshore Density
(2007-2010)

Birds per Square Kilometer



Survey Area Boundary

NPR-A Boundary

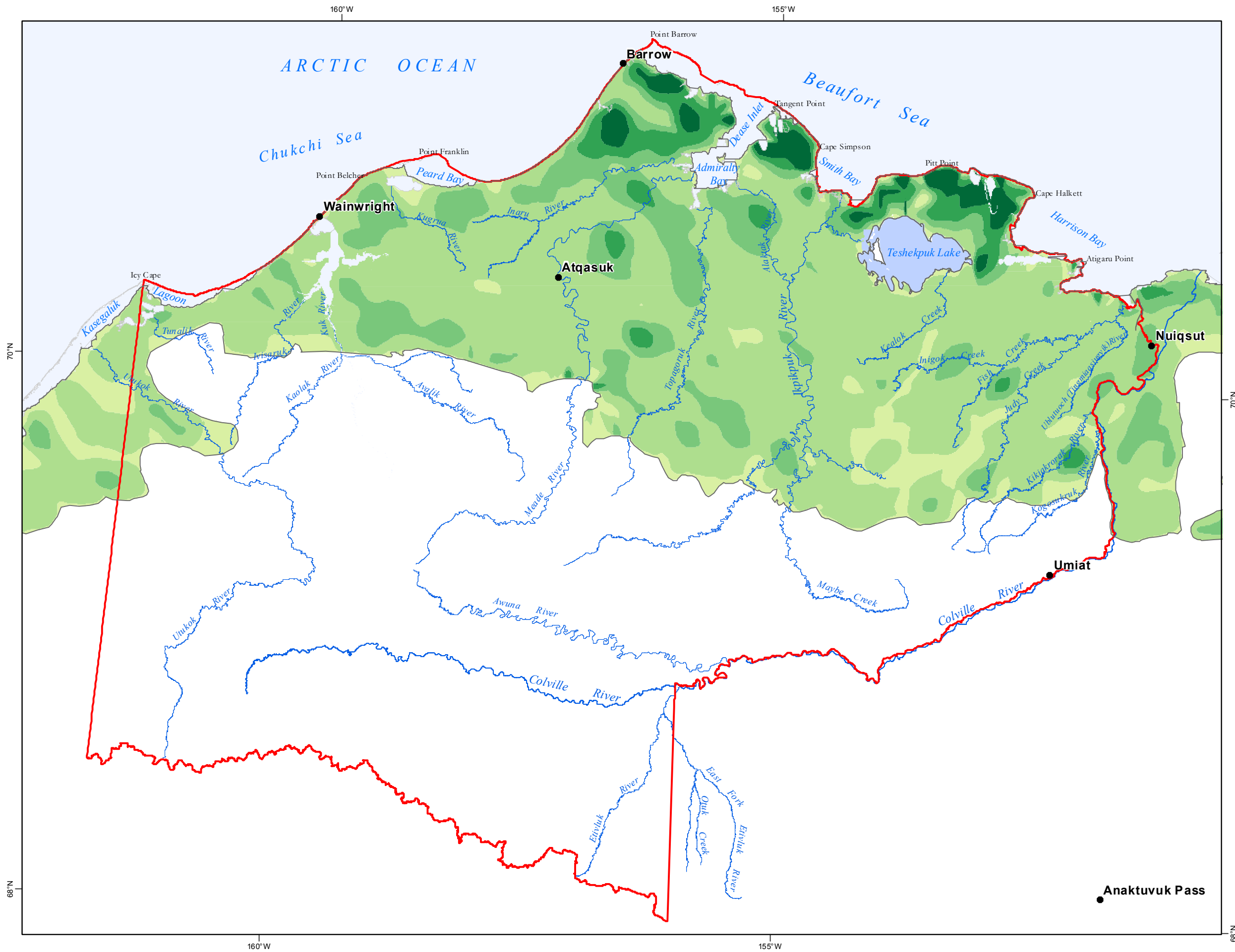


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Map 3.3.5-17
Northern Pintail
Onshore Density

Source: USFWS - Migratory Bird Management, 2010.

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

	3.918 - 7.284
	2.029 - 3.918
	0.844 - 2.028
	0.029 - 0.844
	0.000 - 0.028

Survey Area Boundary

NPR-A Boundary

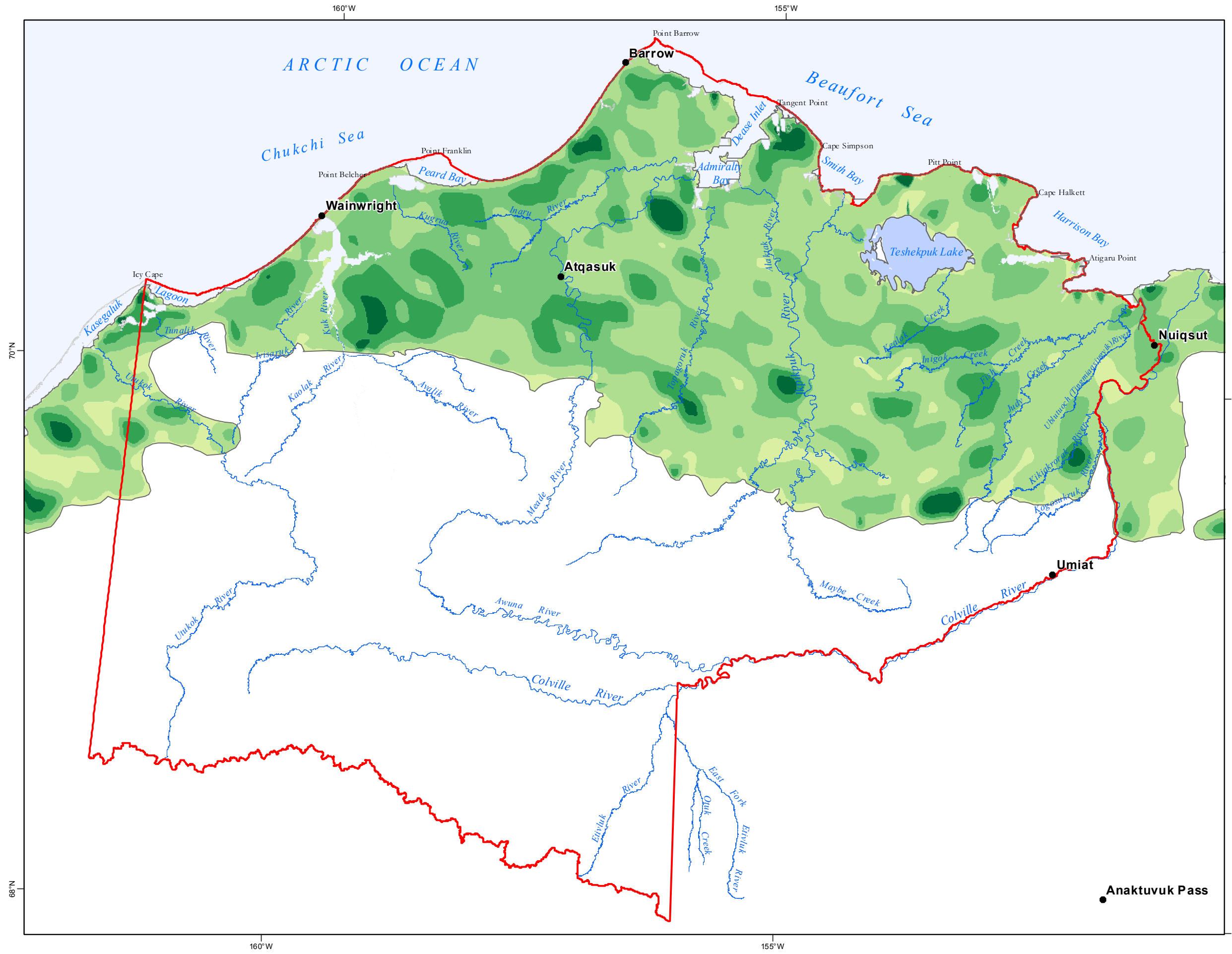
0122436

Miles

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Map 3.3.5-18

Long-tailed Duck
Onshore Density

Source: USFWS - Migratory Bird
Management, 2010.

LONG-TAILED DUCK
Estimated Relative Onshore Density
(2007-2010)

Birds per Square Kilometer

- 2.070 - 4.346
- 1.156 - 2.070
- 0.608 - 1.155
- 0.029 - 0.607
- 0.000 - 0.028

- Survey Area Boundary
- NPR-A Boundary

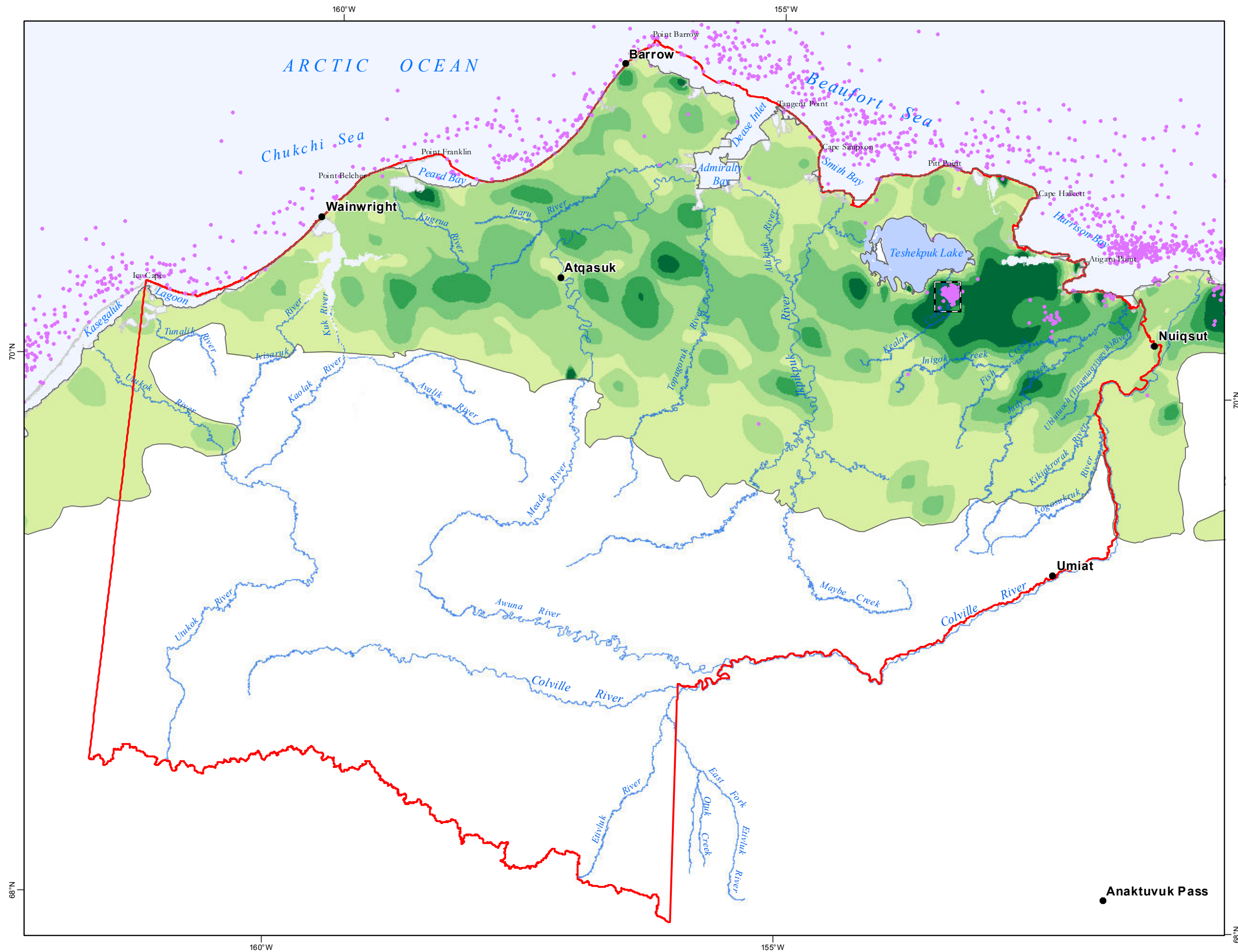
0 12 24 36 Miles

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Map 3.3.5-19

King Eider Onshore Density and Selected Locations of Satellite Transmitter Equipped Individuals

Source: USFWS - Migratory Bird Management, 2010 & Minerals Management Service

KING EIDERS

Estimated Relative Onshore Density (2007-2010)

Birds per Square Kilometer

- 1.311 - 2.367
- 0.728 - 1.310
- 0.338 - 0.728
- 0.033 - 0.337
- 0.000 - 0.032

Survey Area Boundary

Sample of Satellite Transmitter Locations (2002 - 2007)

Location of King Eider Individual on Specific Date

King Eider Satellite Capture Area

NPR-A Boundary

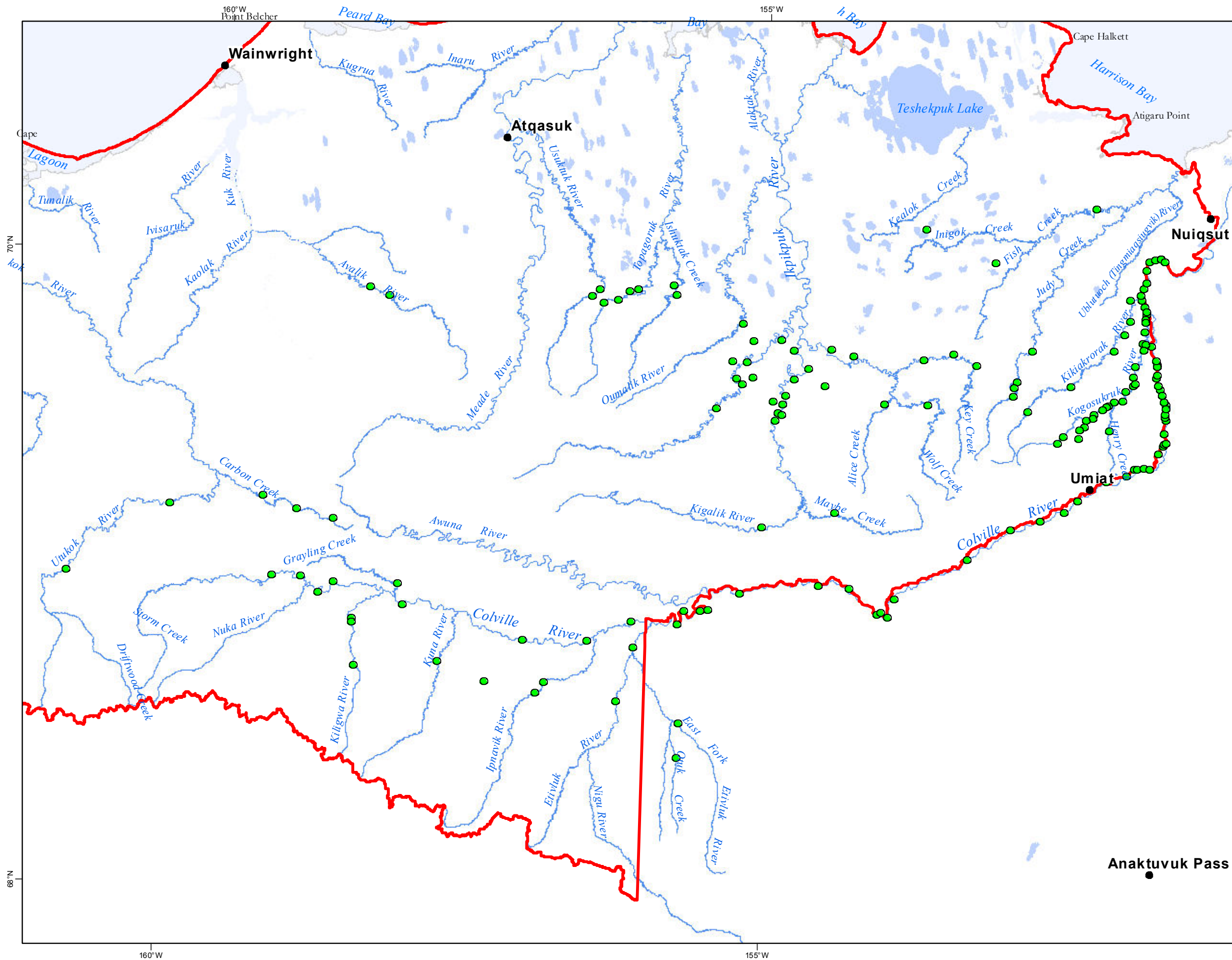
0 12 24 36 Miles

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data, or for purposes not intended by BLM. Spatial information may not meet National Map Accuracy Standards. This information may be updated without notification. For official land status information refer to Cadastral Survey plats, Master Title Plats and land status case-files.

Projection: Albers Conic Equal Area referencing NAD83



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Map 3.3.5-20
Peregrine Falcon
Nesting/ Activity Sites

Source: BLM, 2006

Peregrine Falcon Locations


NPR-A Boundary

0122436

Miles

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