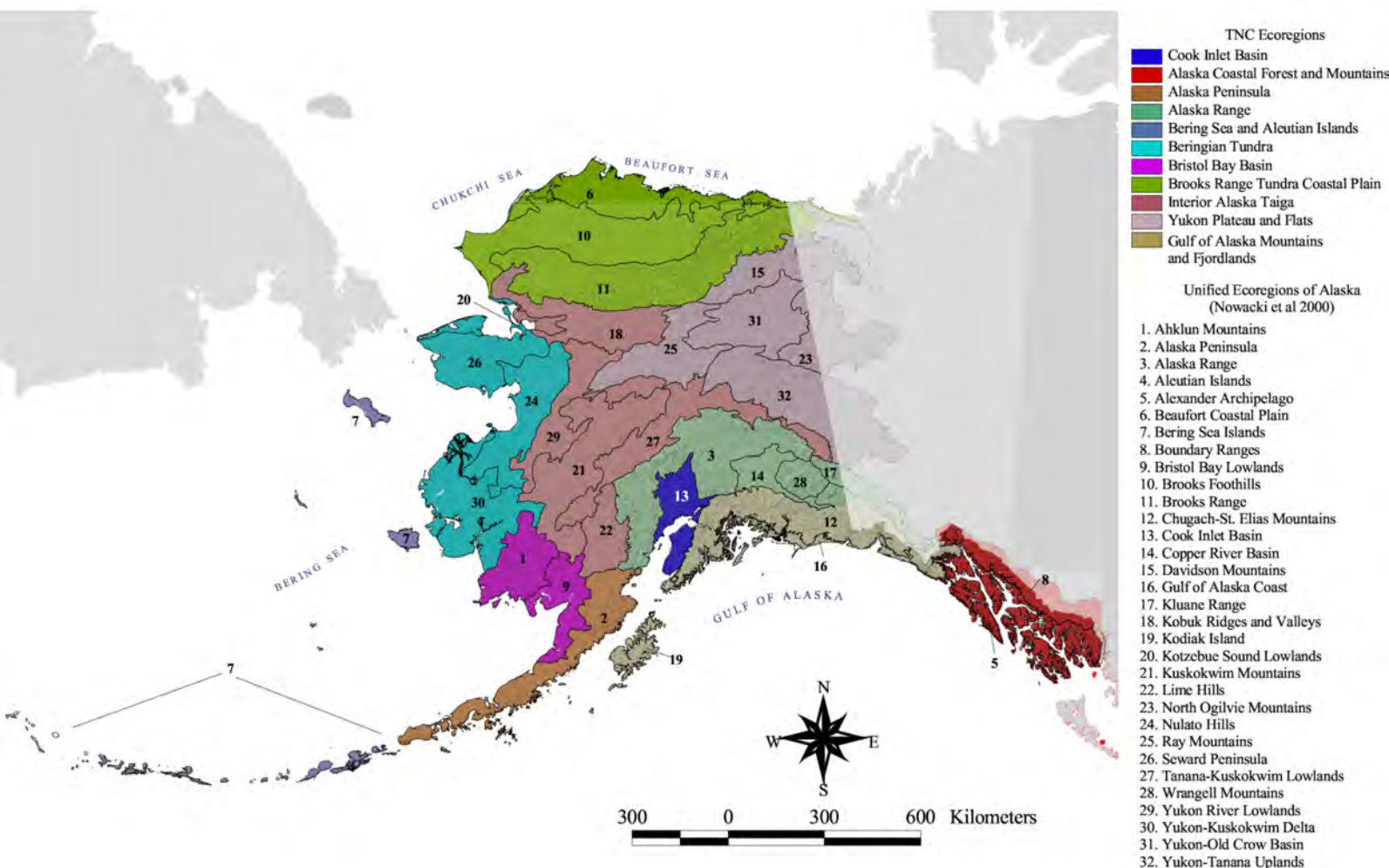
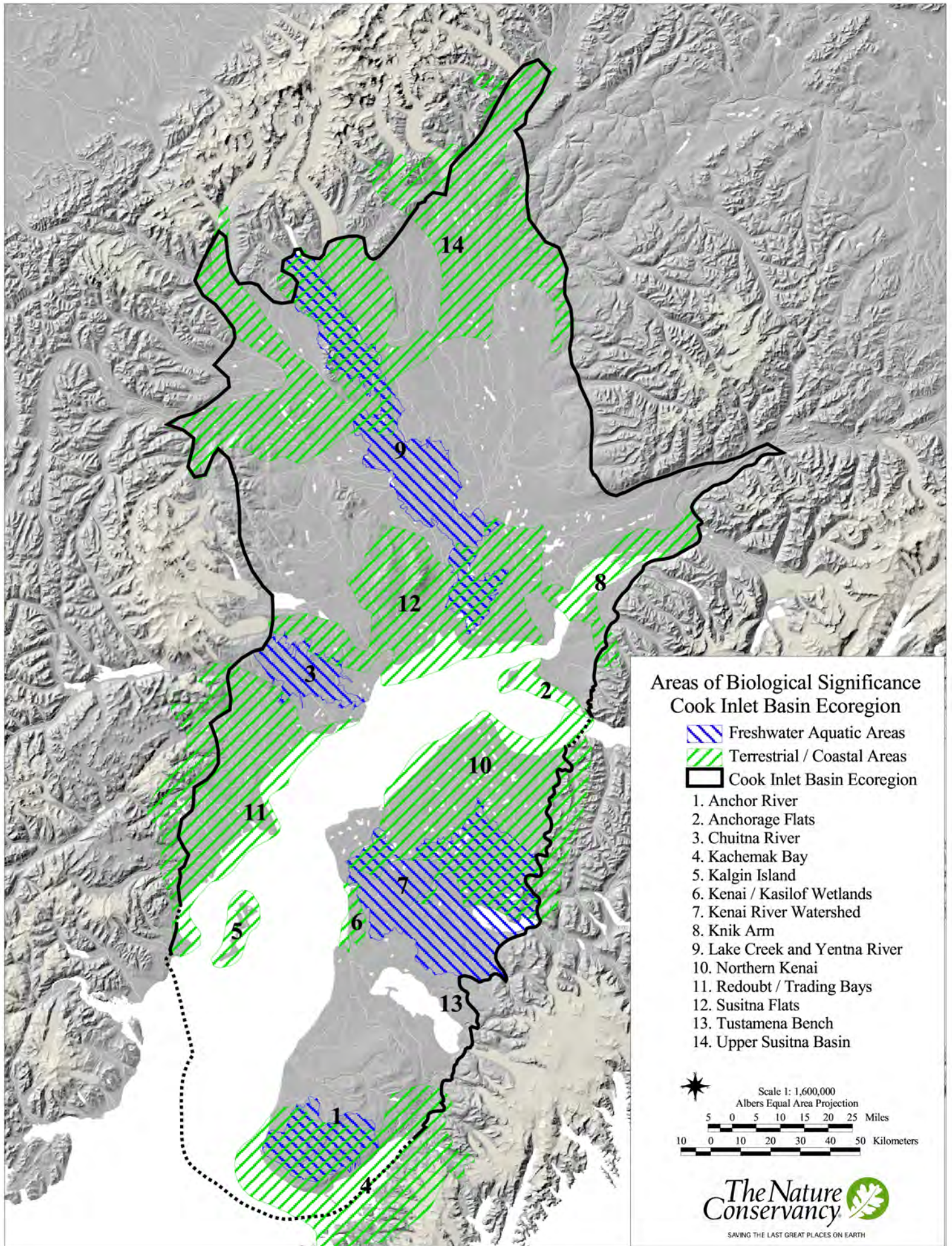


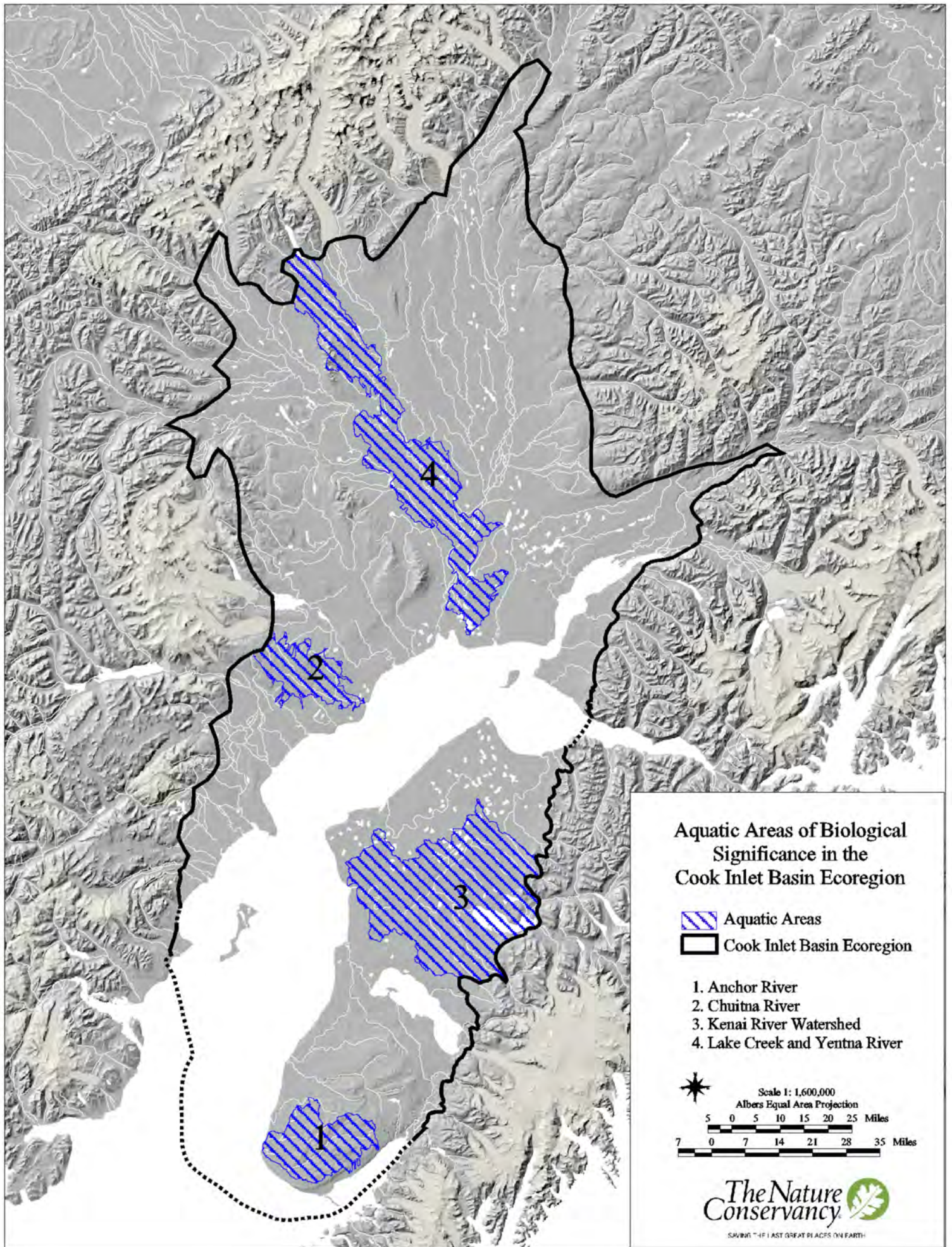
Cook Inlet Ecoregional Atlas

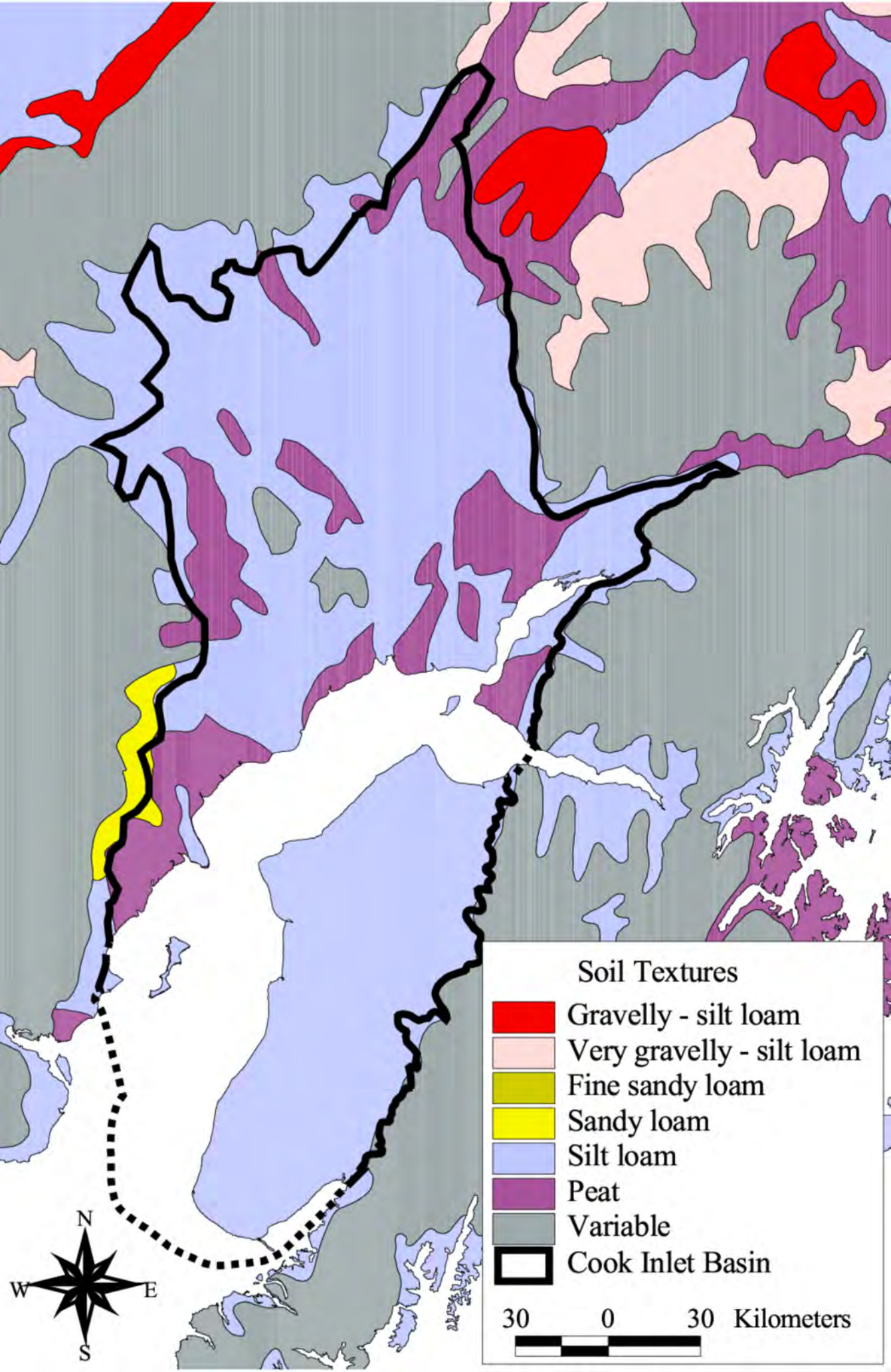
1. Location of the Cook Inlet Basin ecoregion
2. Portfolio of areas of biological significance
3. Aquatic areas of biological significance
4. Soils of the Cook Inlet Basin ecoregion
5. Climatic zones of the Cook Inlet Basin ecoregion
6. General vegetation classes of the Cook Inlet Basin ecoregion
7. Cumulative spruce bark beetle infestation of the Cook Inlet Basin ecoregion
8. Generalized land management of the Cook Inlet Basin
9. Native corporations and boroughs in the Cook Inlet Basin
10. Shoreline types of the Cook Inlet Basin ecoregion
11. Subregions of the Cook Inlet Basin
12. Cost suitability index for the Cook Inlet Basin ecoregion
13. Conservation status of lands in the Cook Inlet Basin ecoregion
14. Generalized land status and areas of biological significance
15. Conservation land status and areas of biological significance
16. Anchor River aquatic area of biological significance
17. Anchorage Flats area of biological significance, with land ownership
18. Anchorage Flats conservation status
19. Chuitna River aquatic area of biological significance
20. Kachemak Bay area of biological significance, with land ownership
21. Kachemak Bay conservation status
22. Kalgin Island area of biological significance, with land ownership
23. Kalgin Island conservation status
24. Kenai and Kasilof Wetlands area of biological significance, with land ownership
25. Kenai and Kasilof Wetlands conservation status
26. Kenai River Watershed aquatic area of biological significance
27. Knik Arm area of biological significance, with land ownership
28. Knik Arm conservation status
29. Lake Creek and Yentna River Watershed aquatic area of biological significance

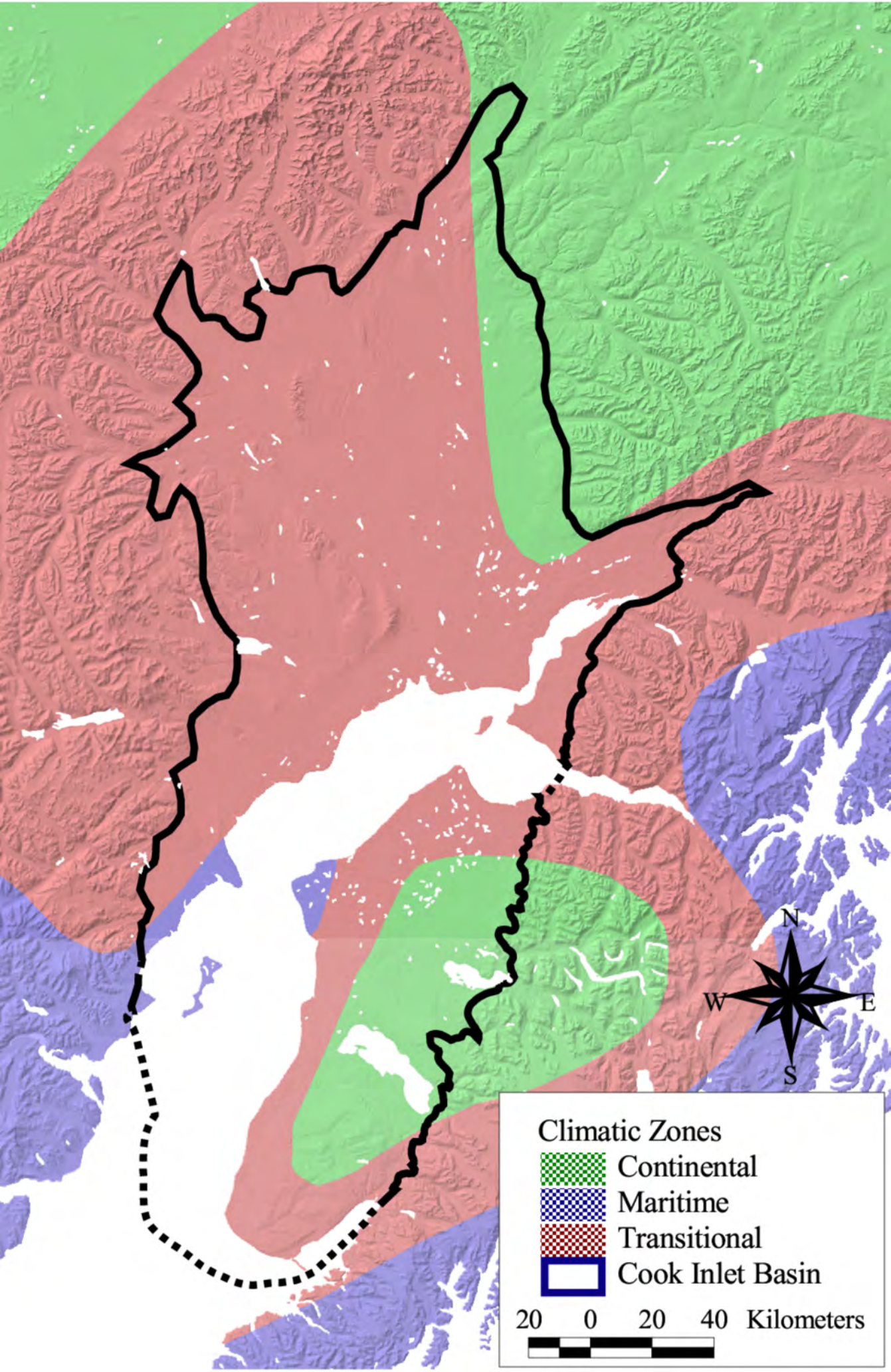
30. Northern Kenai area of biological significance, with land ownership
31. Northern Kenai conservation status
32. Redoubt and Trading Bays area of biological significance, with land ownership
33. Redoubt and Trading Bays conservation status
34. Susitna Flats area of biological significance, with land ownership
35. Susitna Flats conservation status
36. Tustumena Bench area of biological significance, with land ownership
37. Tustumena Bench conservation status
38. Upper Susitna Basin area of biological significance, with land ownership
39. Upper Susitna Basin conservation status



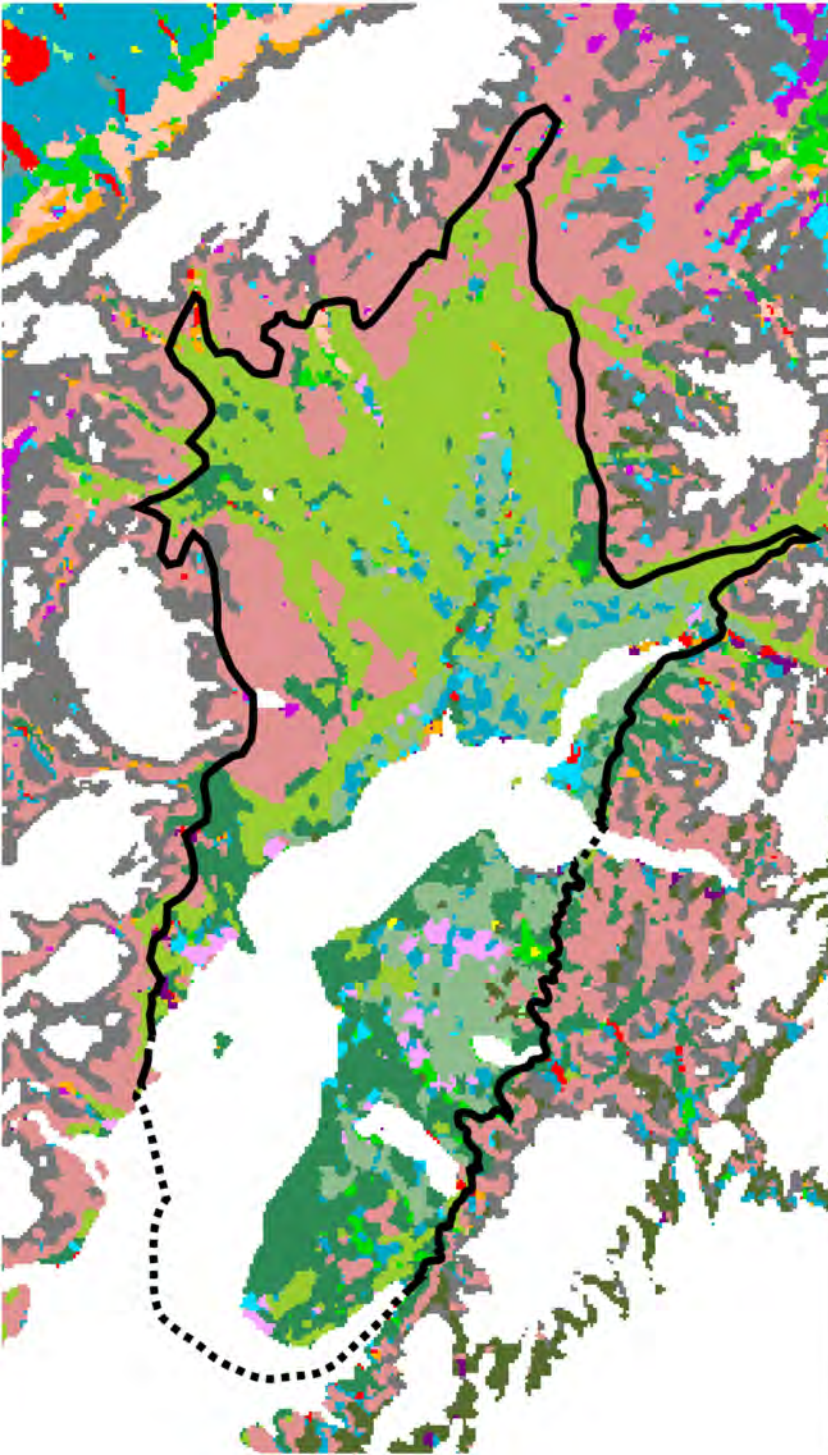








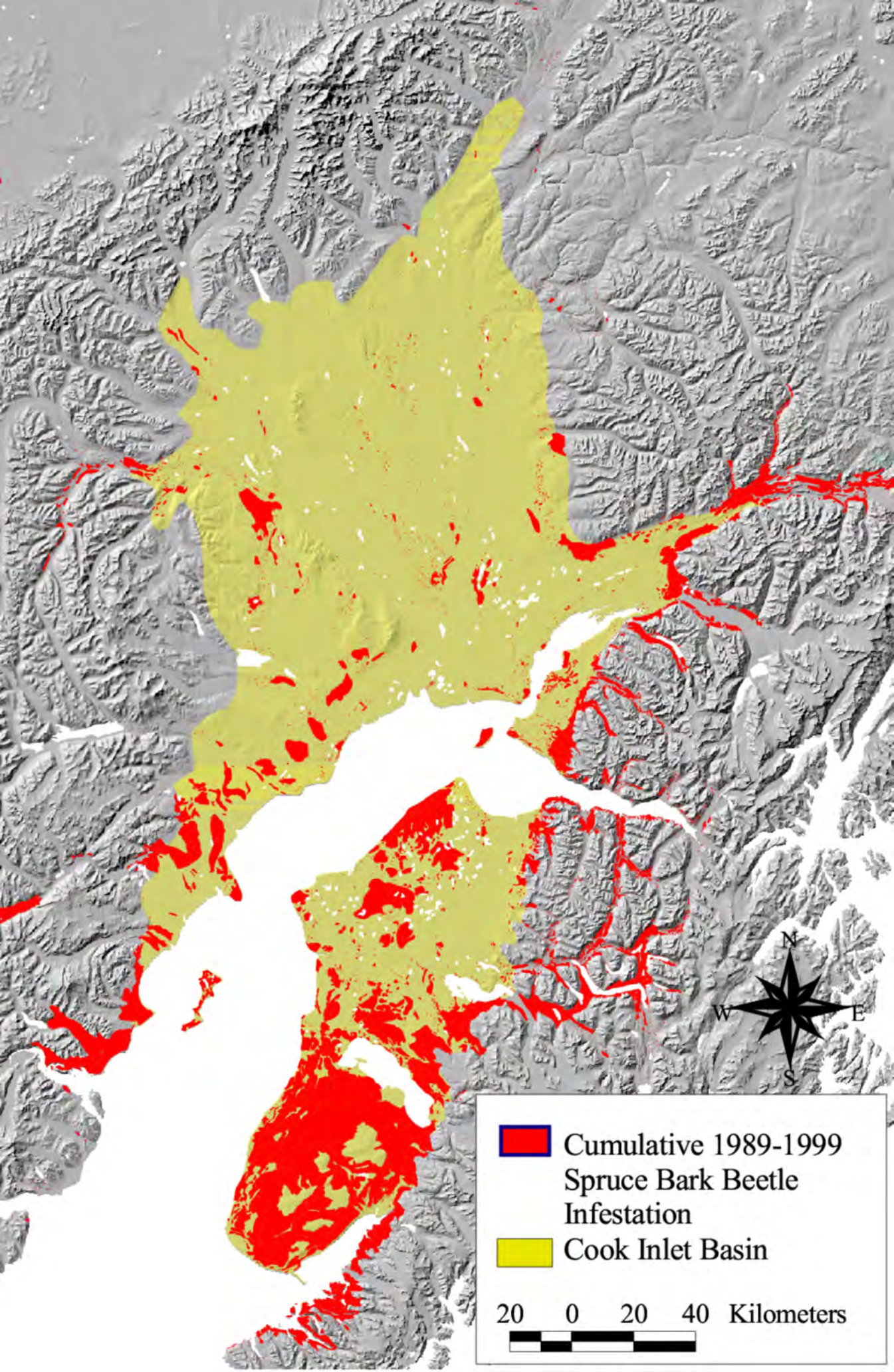
General Vegetation





- Cook Inlet Basin
- 1990 Fires & Gravel Bars
- 1991 Fires
- Alpine Tundra & Barrens
- Closed Broadleaf & Closed Mixed Forest
- Closed Mixed Forest
- Closed Spruce & Hemlock Forest
- Closed Spruce Forest
- Dwarf Shrub Tundra
- Glaciers & Snow
- Low Shrub/Lichen Tundra
- Moist Herbaceous/Shrub Tundra
- Ocean Water
- Open & Closed Spruce Forest
- Open Spruce & Closed Mixed Forest Mosaic
- Open Spruce Forest/Shrub/Bog Mosaic
- Spruce & Broadleaf Forest
- Spruce Woodland/Shrub
- Tall & Low Shrub
- Tall Shrub
- Tussock Sedge/Dwarf Shrub Tundra
- Water
- Wet Sedge Tundra



30 0 30 60 90 120 Kilometers

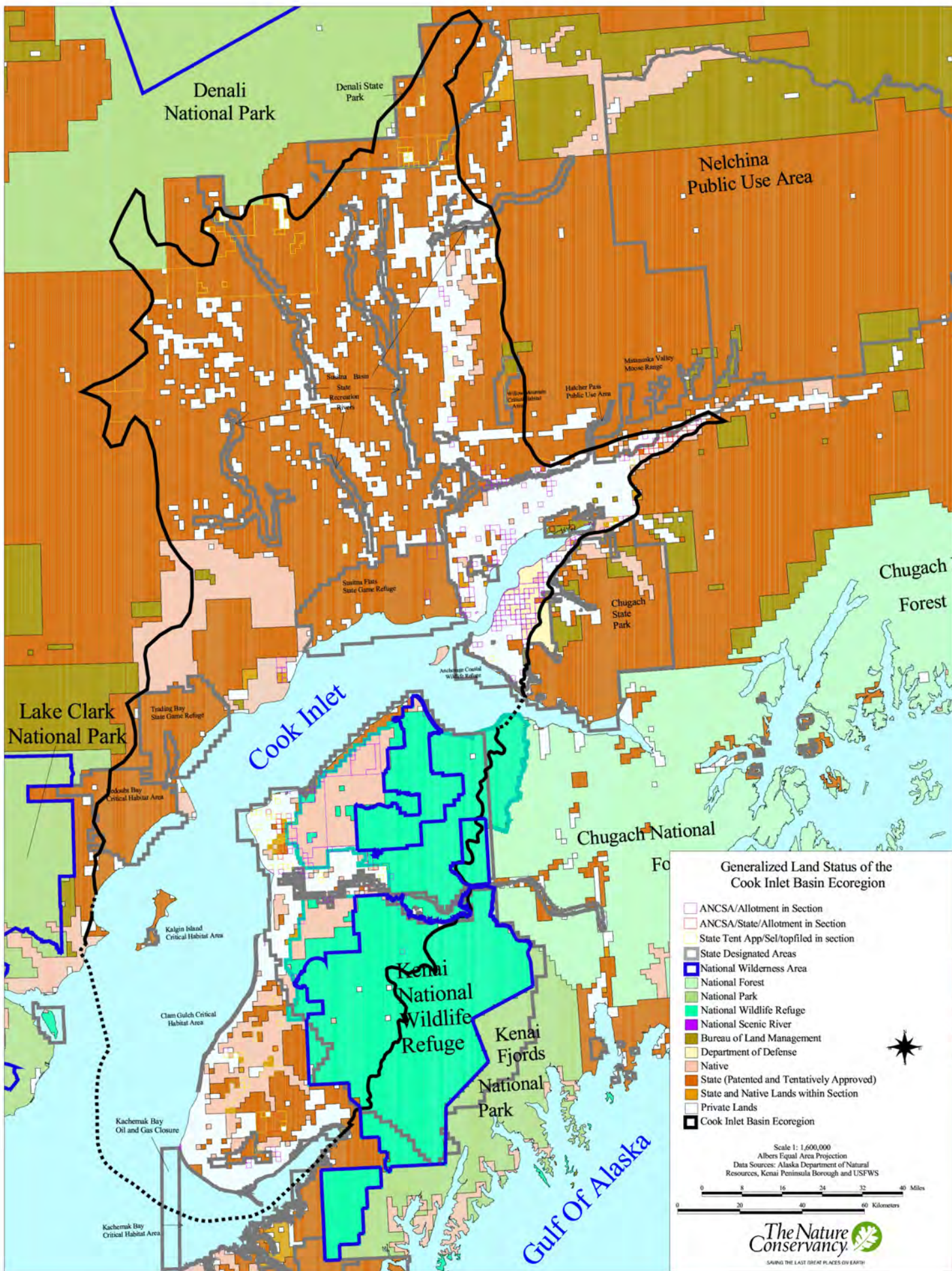


 Cumulative 1989-1999
Spruce Bark Beetle
Infestation

 Cook Inlet Basin

20 0 20 40 Kilometers





Denali National Park

Denali State Park

Nelchina Public Use Area

Mattson Valley Moose Range

Hatcher Pass Public Use Area

Susitna Flats State Game Refuge

Chugach State Park

Chugach National Forest

Lake Clark National Park

Tracking Bay State Game Refuge

Cook Inlet

Chugach National Forest

Kalgin Island Critical Habitat Area

Kenai National Wildlife Refuge

Kenai Fjords National Park

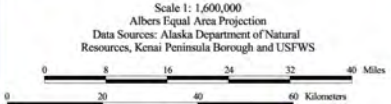
Clam Gulch Critical Habitat Area

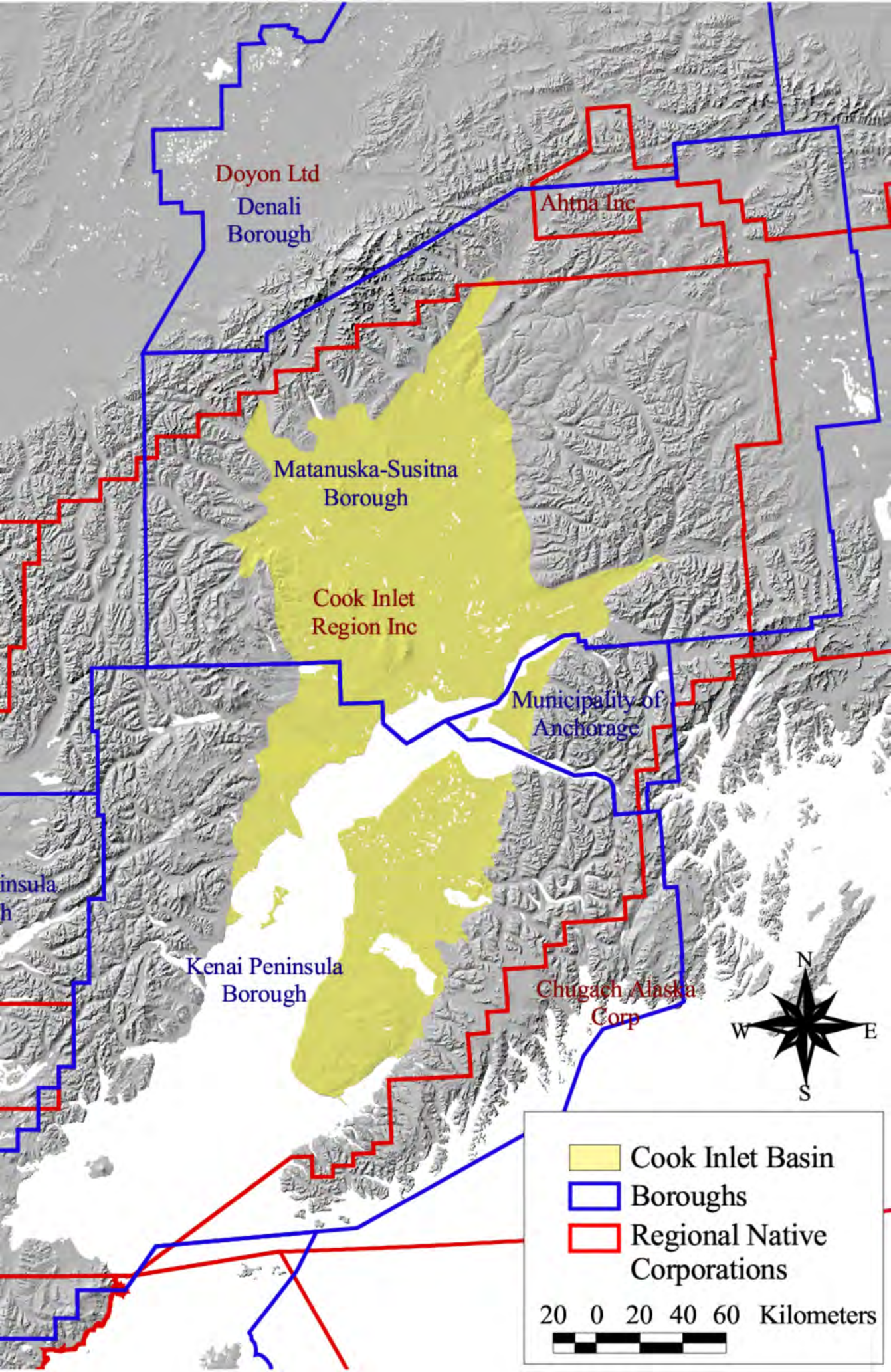
Kachemak Bay Oil and Gas Closure

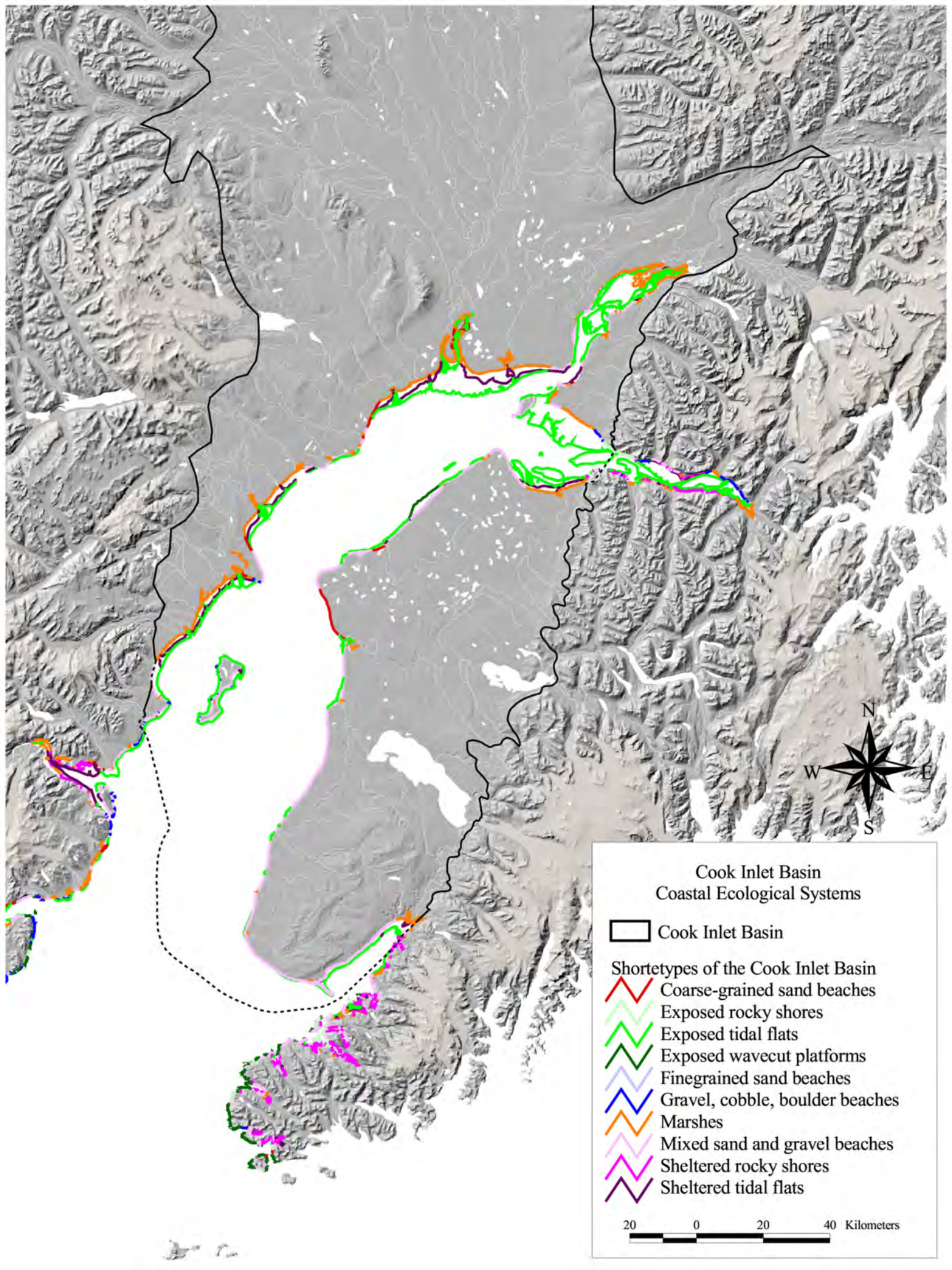
Kachemak Bay Critical Habitat Area

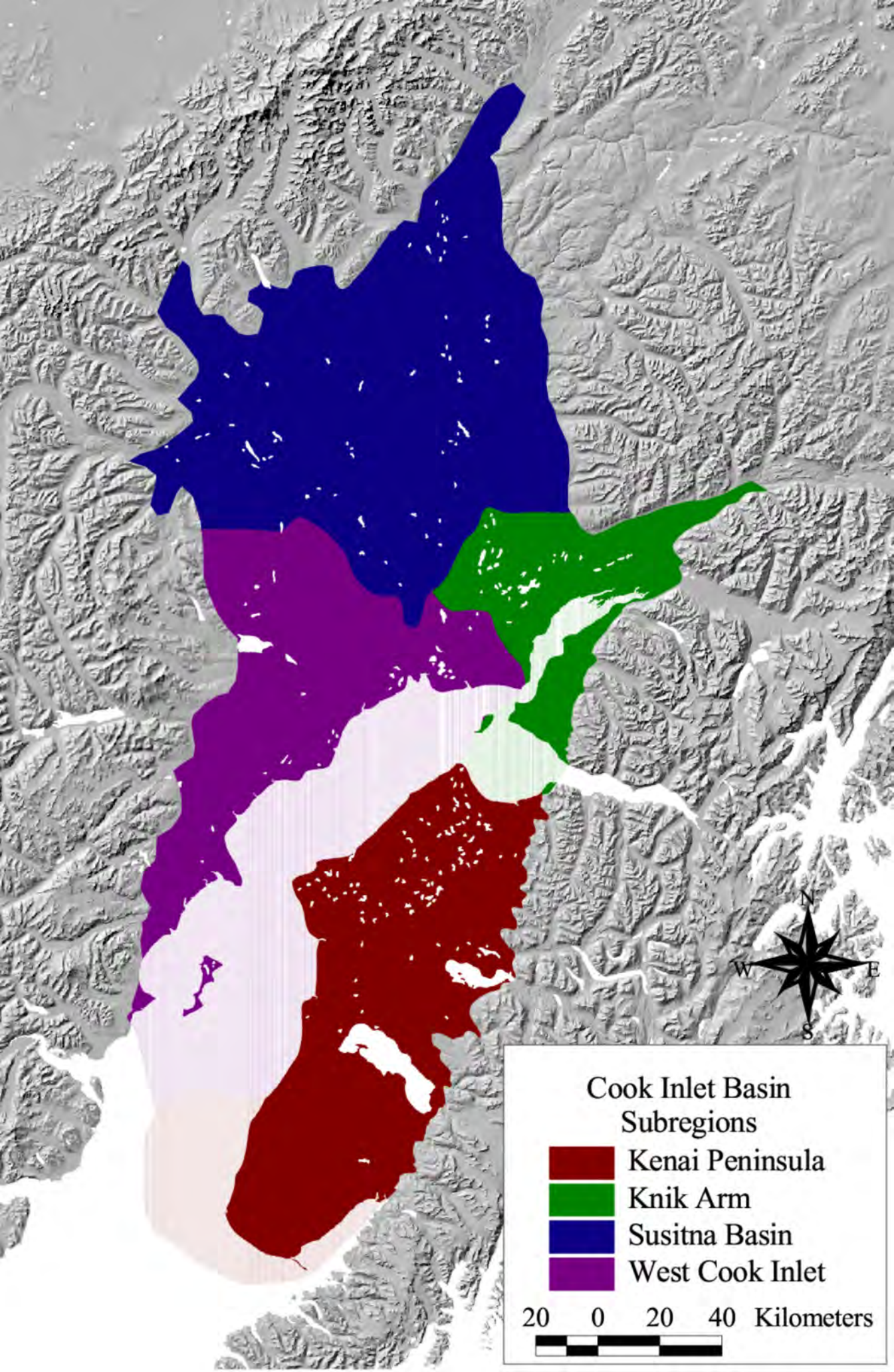
Generalized Land Status of the Cook Inlet Basin Ecoregion

- ANCSA/Allotment in Section
- ANCSA/State/Allotment in Section
- State Tent App/Sel/toppled in section
- State Designated Areas
- National Wilderness Area
- National Forest
- National Park
- National Wildlife Refuge
- National Scenic River
- Bureau of Land Management
- Department of Defense
- Native
- State (Patented and Tentatively Approved)
- State and Native Lands within Section
- Private Lands
- Cook Inlet Basin Ecoregion





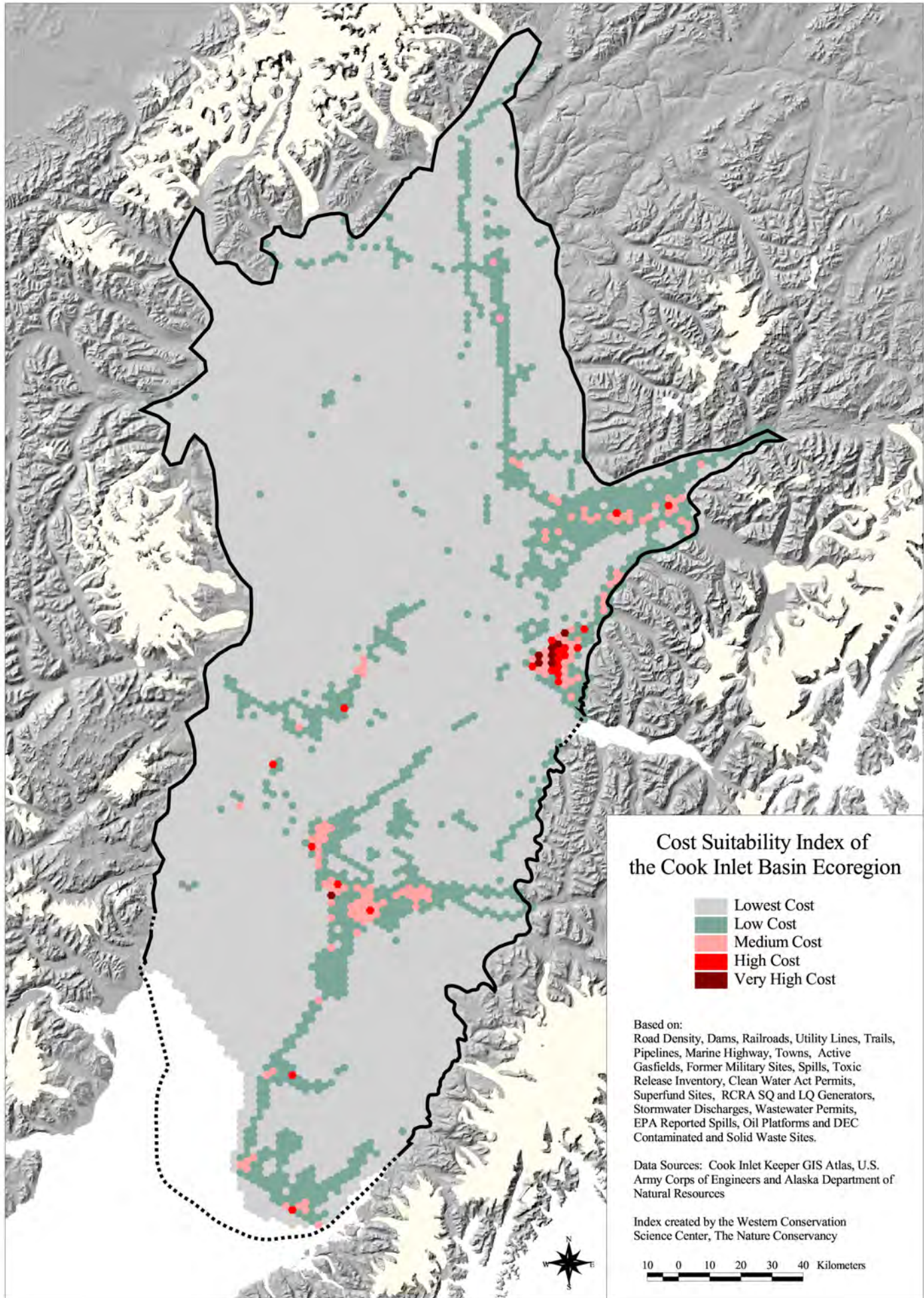




Cook Inlet Basin
Subregions

- Kenai Peninsula
- Knik Arm
- Susitna Basin
- West Cook Inlet

20 0 20 40 Kilometers



Cost Suitability Index of the Cook Inlet Basin Ecoregion

- Lowest Cost
- Low Cost
- Medium Cost
- High Cost
- Very High Cost

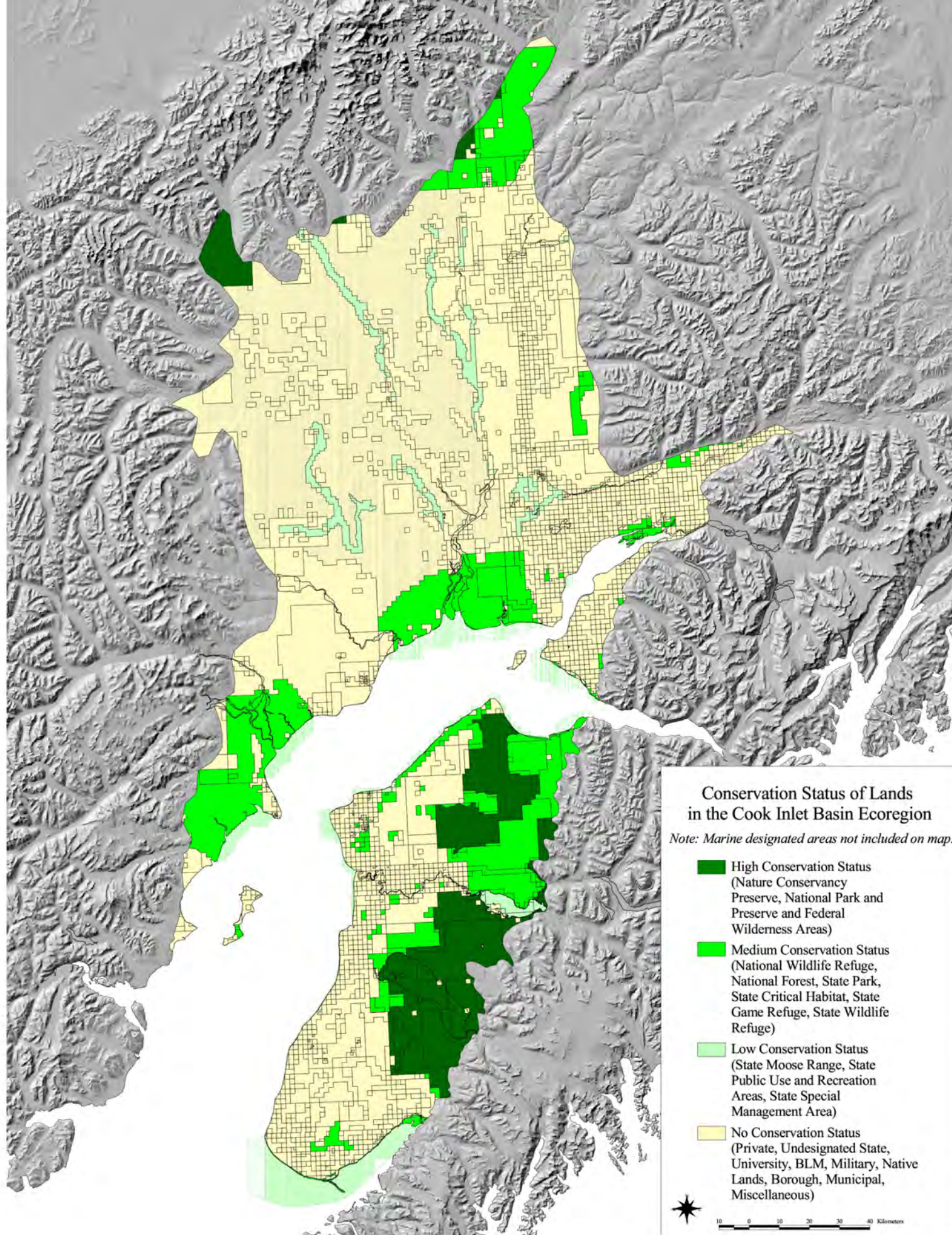
Based on:
 Road Density, Dams, Railroads, Utility Lines, Trails,
 Pipelines, Marine Highway, Towns, Active
 Gasfields, Former Military Sites, Spills, Toxic
 Release Inventory, Clean Water Act Permits,
 Superfund Sites, RCRA SQ and LQ Generators,
 Stormwater Discharges, Wastewater Permits,
 EPA Reported Spills, Oil Platforms and DEC
 Contaminated and Solid Waste Sites.

Data Sources: Cook Inlet Keeper GIS Atlas, U.S.
 Army Corps of Engineers and Alaska Department of
 Natural Resources

Index created by the Western Conservation
 Science Center, The Nature Conservancy

10 0 10 20 30 40 Kilometers





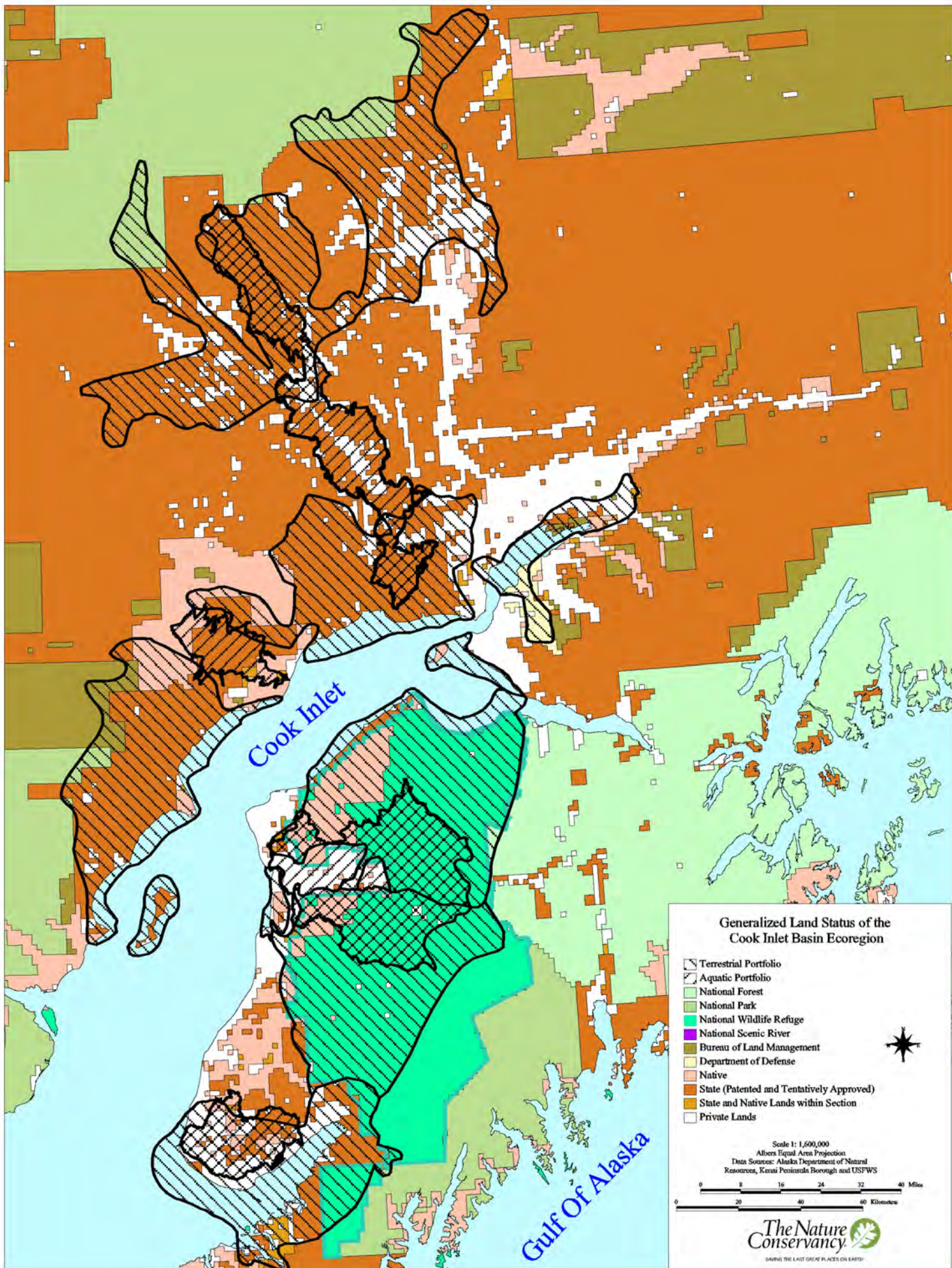
Conservation Status of Lands in the Cook Inlet Basin Ecoregion

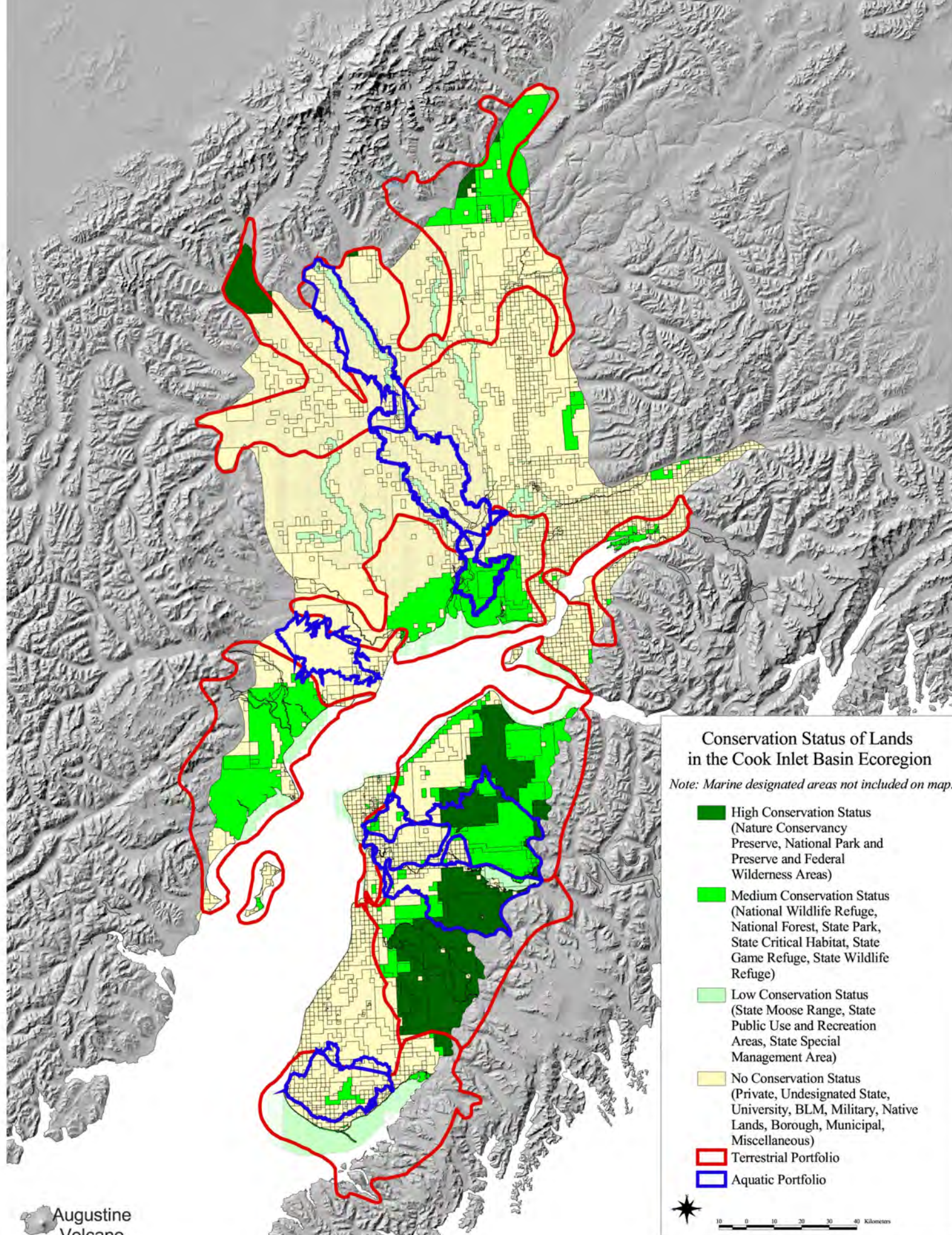
Note: Marine designated areas not included on map.

- High Conservation Status
(Nature Conservancy Preserve, National Park and Preserve and Federal Wilderness Areas)
- Medium Conservation Status
(National Wildlife Refuge, National Forest, State Park, State Critical Habitat, State Game Refuge, State Wildlife Refuge)
- Low Conservation Status
(State Moose Range, State Public Use and Recreation Areas, State Special Management Area)
- No Conservation Status
(Private, Undesignated State, University, BLM, Military, Native Lands, Borough, Municipal, Miscellaneous)



0 10 20 30 40 Kilometers





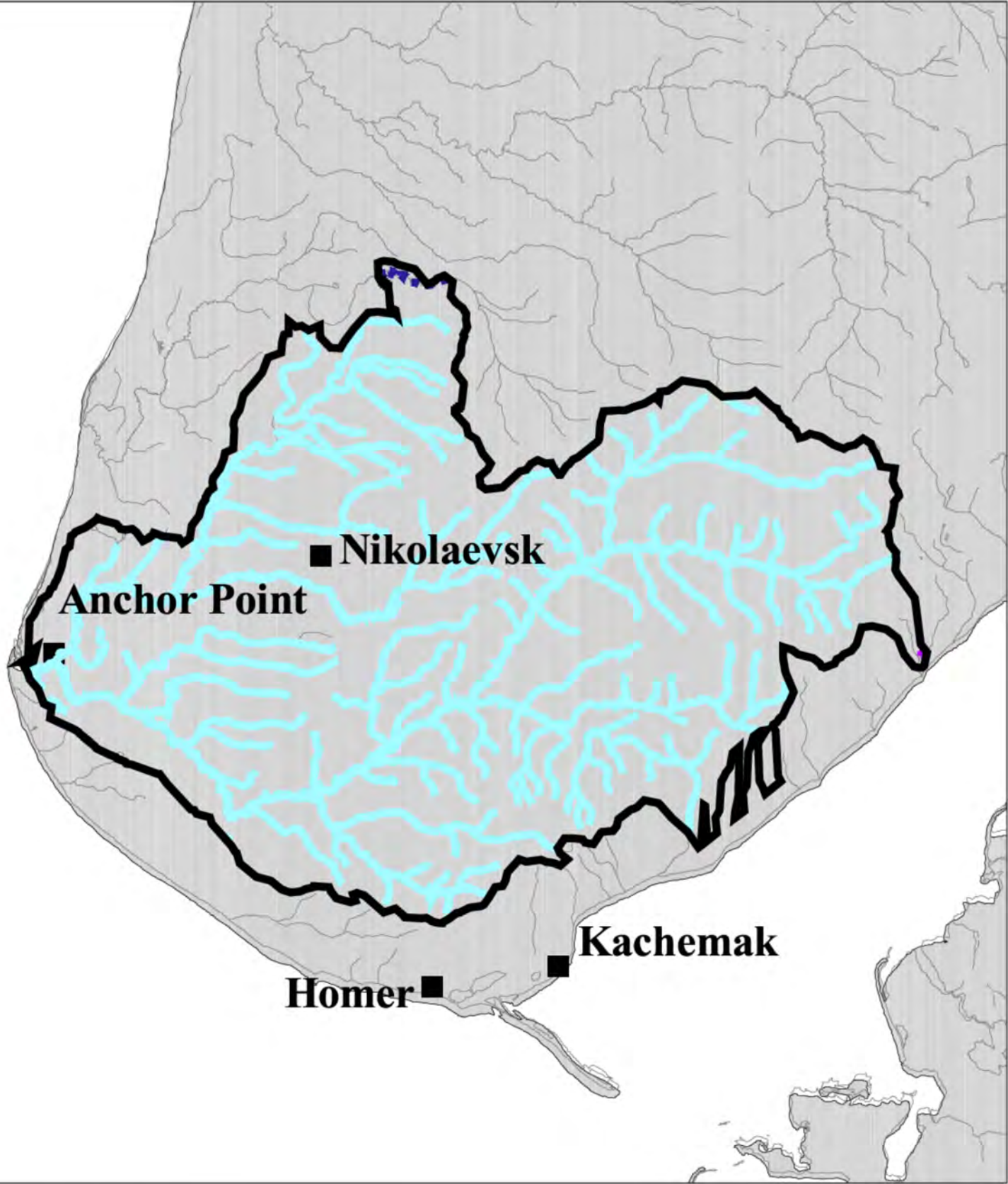
Conservation Status of Lands in the Cook Inlet Basin Ecoregion

Note: Marine designated areas not included on map.


- High Conservation Status (Nature Conservancy Preserve, National Park and Preserve and Federal Wilderness Areas)
- Medium Conservation Status (National Wildlife Refuge, National Forest, State Park, State Critical Habitat, State Game Refuge, State Wildlife Refuge)
- Low Conservation Status (State Moose Range, State Public Use and Recreation Areas, State Special Management Area)
- No Conservation Status (Private, Undesignated State, University, BLM, Military, Native Lands, Borough, Municipal, Miscellaneous)
- Terrestrial Portfolio
- Aquatic Portfolio


Augustine Volcano






Aquatic Ecological Systems

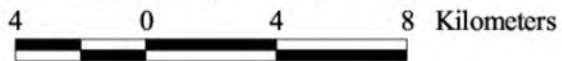
 Large Stream on Moraine in Alluvial Floodplain with Sections of Old Glacial Outwash

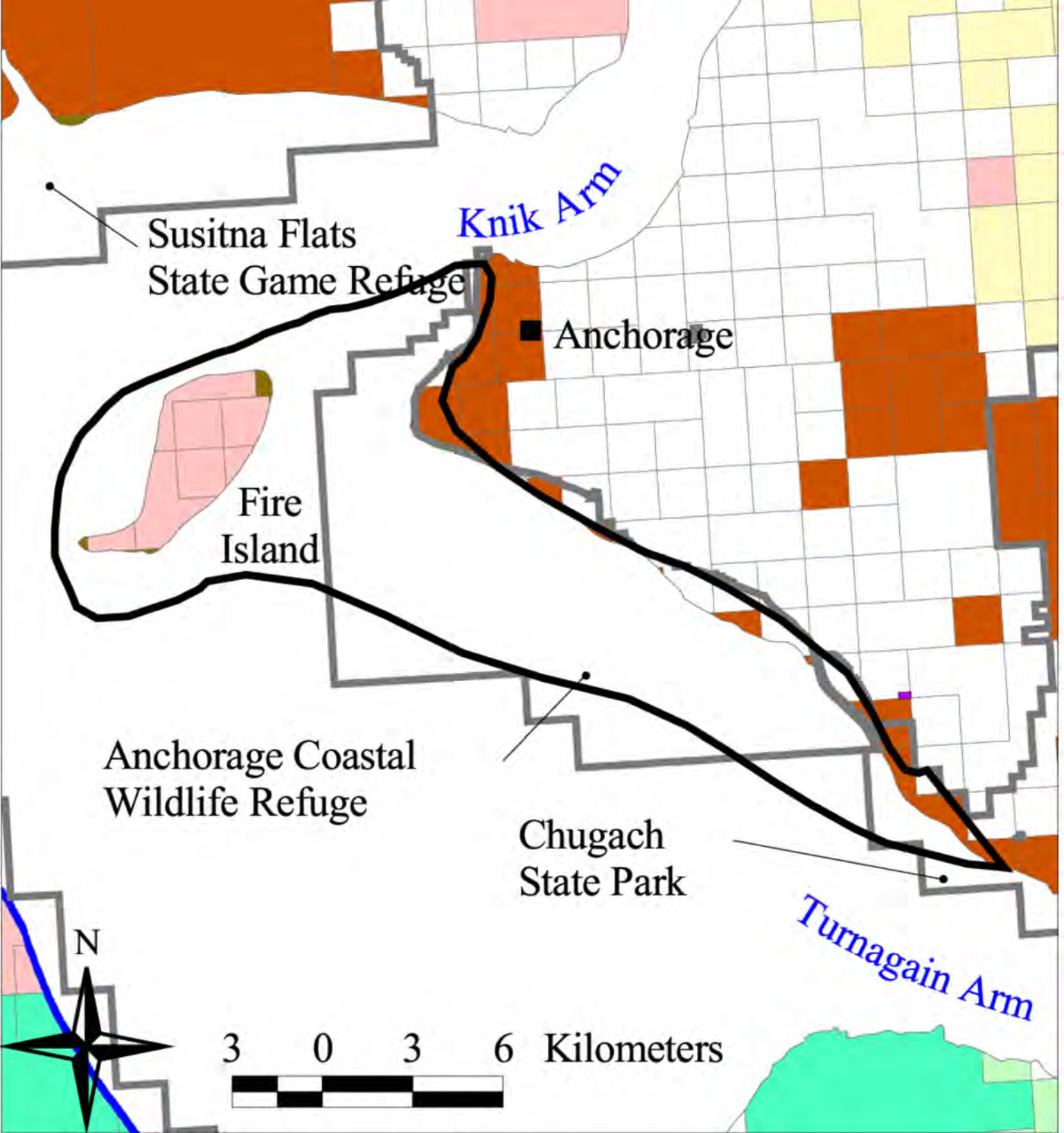
 Stream on Lake Plain

 Stream on Moraine









 Anchor River Watershed

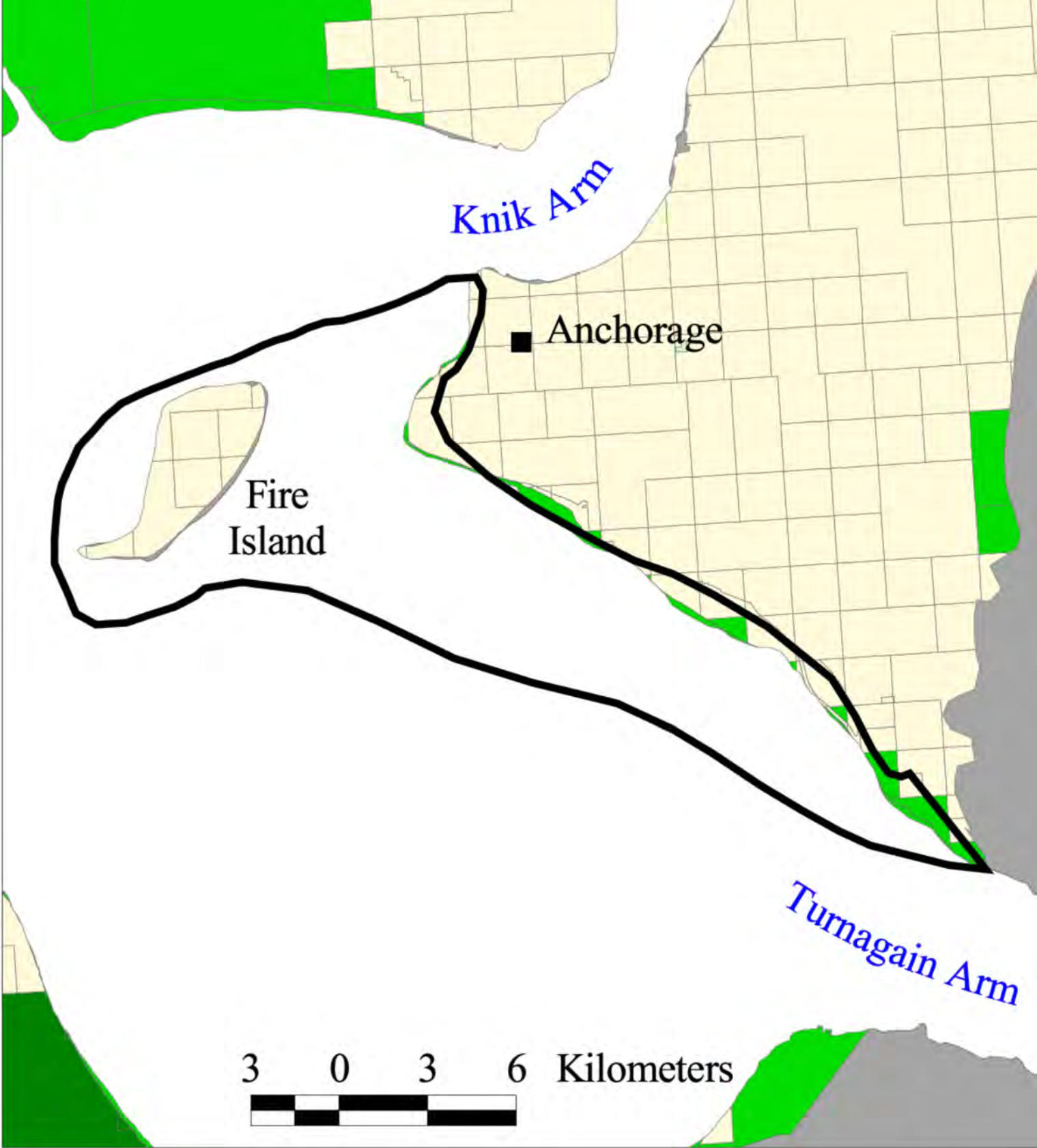
Scale 1: 500,000
Albers Equal Area Projection





General Land Status

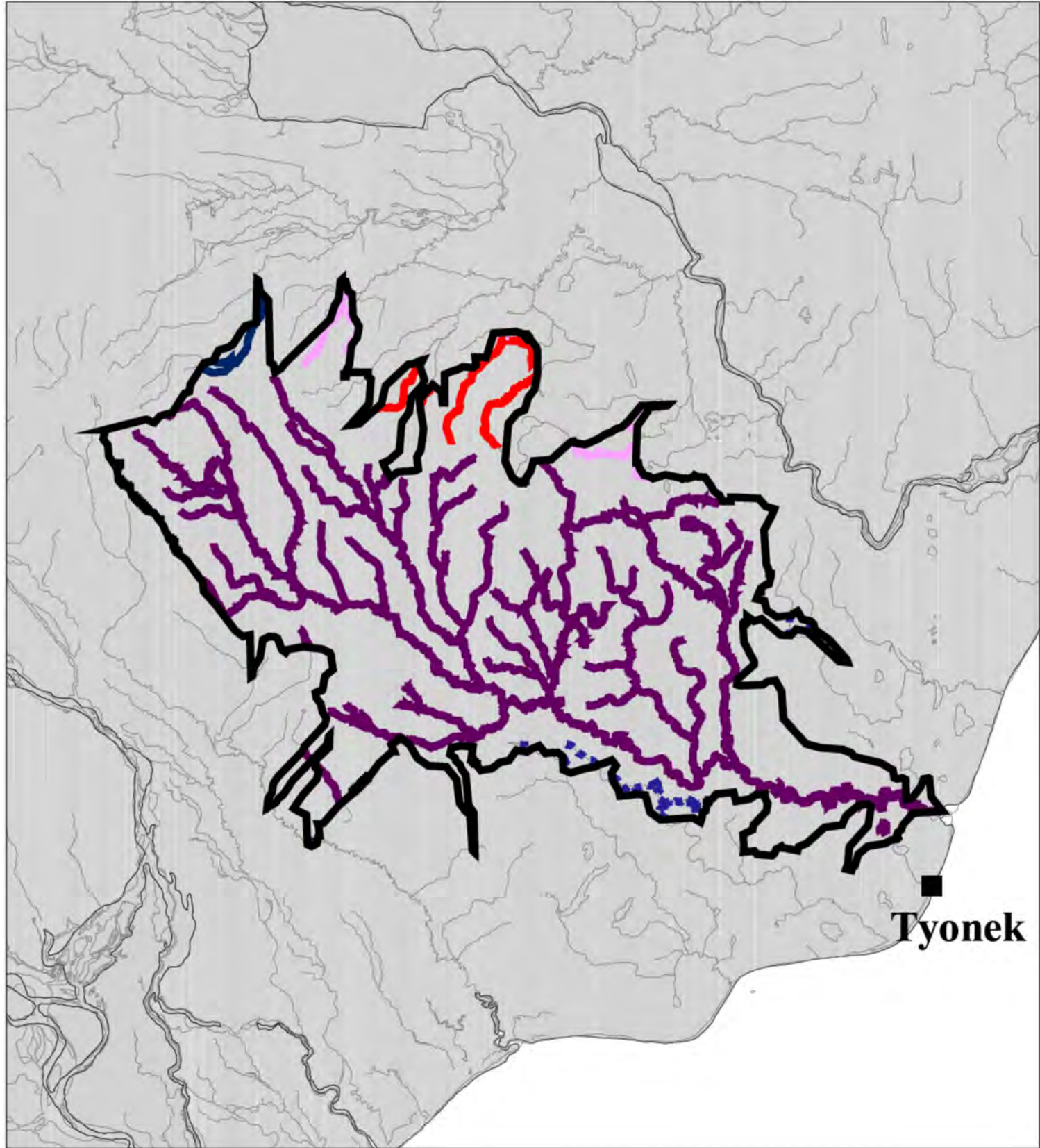
- | | |
|---|--|
|  State Designated Areas |  Private |
|  Department of Defense |  Wilderness Area |
|  Bureau of Land Management |  National Wildlife Refuge |
|  Native Lands - CIRI |  National Forest |
|  State Lands | |



- Conservation Status**
- 0% High
 - 11% Medium
 - 0% Low
 - 89% None









Conservation Status is only displayed for terrestrial areas

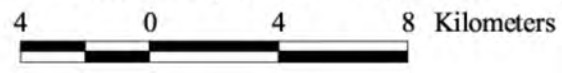


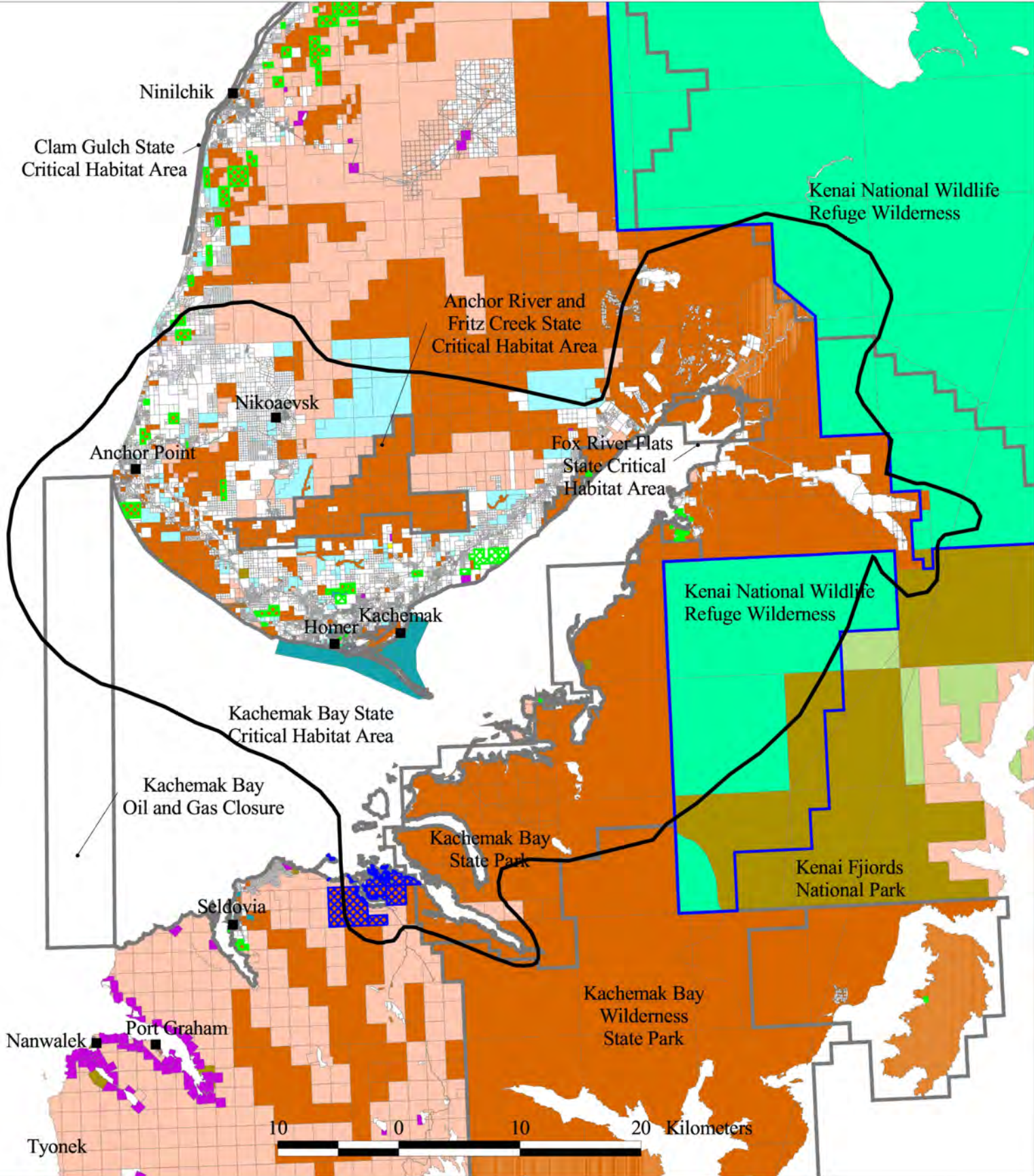
Tyonek

Aquatic Ecological Systems

-  Bedrock Tributaries to Glacial Mainstem
-  Headwater Lake and Tributaries
-  Moderate Sized Non-Glacial River
-  Moraine Tributaries to Glacial Mainstem
-  Stream on Lake Plain
-  Chuitna River Watershed

Scale 1: 500,000
Albers Equal Area Projection





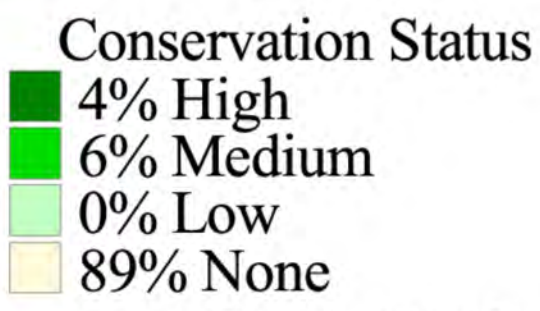
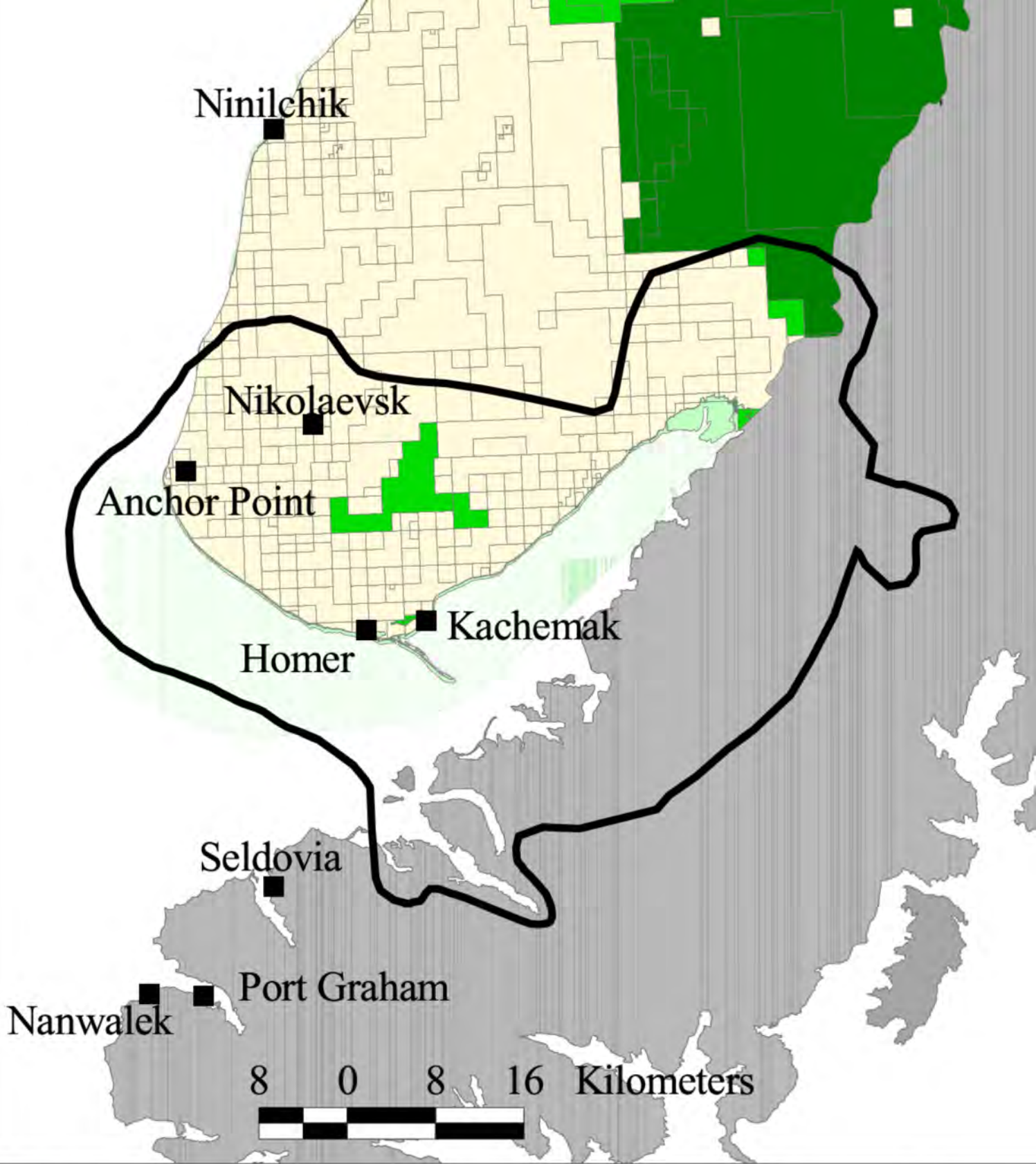
General Land Status

- Native Allotments
- University Lands
- Mental Health Trust Lands
- State Designated Areas
- Bureau of Land Management

- National Park
- National Wildlife Refuge
- Other Federal
- Designated Wilderness
- Kenai Peninsula Borough

- City
- Native Lands
- State Lands
- Private





Conservation Status is only displayed for terrestrial areas



Cook Inlet

Kalgin Island

Kalgin Island
Critical Habitat Area



General Land Status

- | | |
|---|--|
|  State Designated Areas |  Private |
|  University Of Alaska |  State Lands |
|  Bureau of Land Management |  Native Allotments |

Cook Inlet

Kalgin Island

3 0 3 6 Kilometers

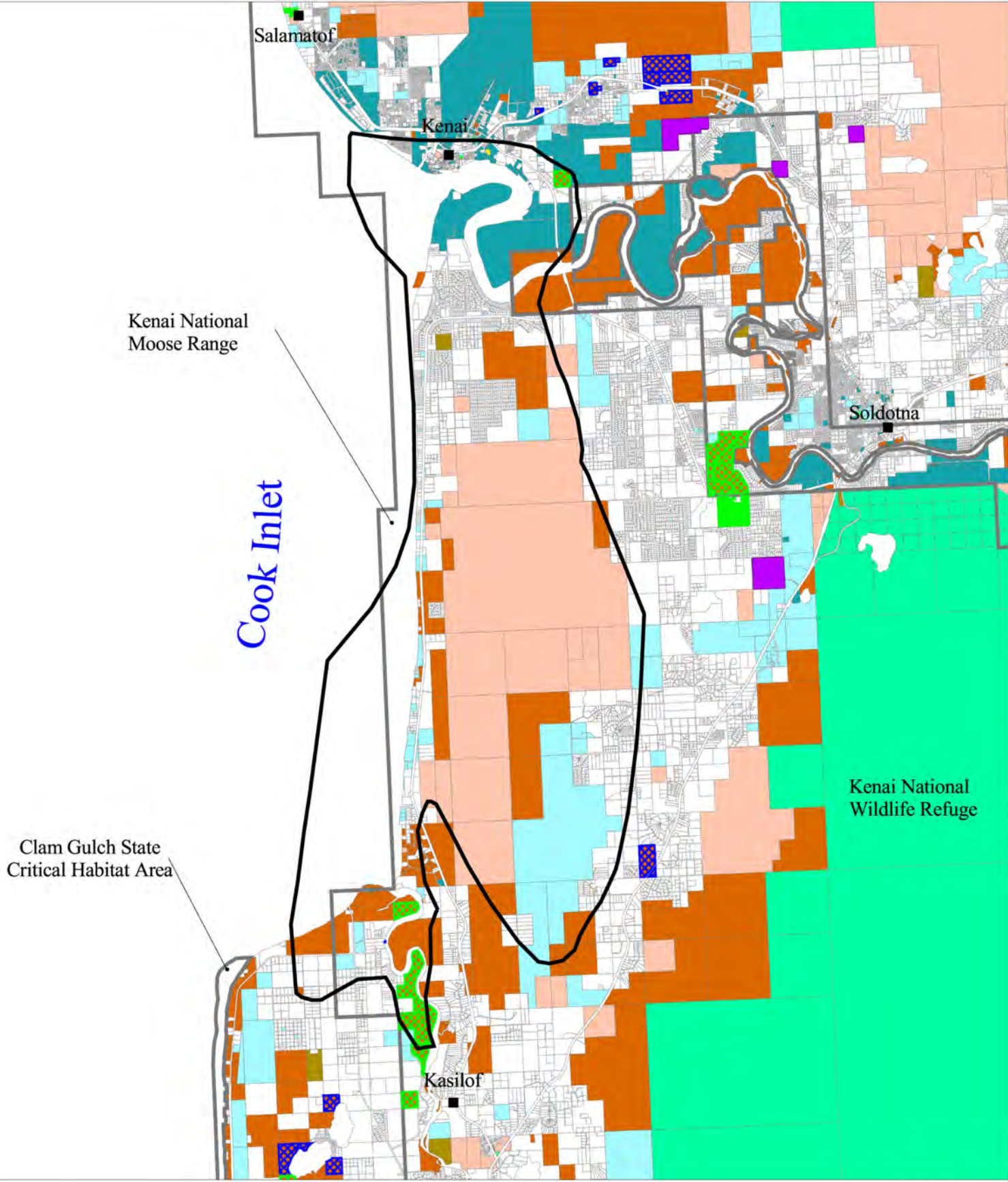


Conservation Status

- 0% High
- 13% Medium
- 0% Low
- 87% None



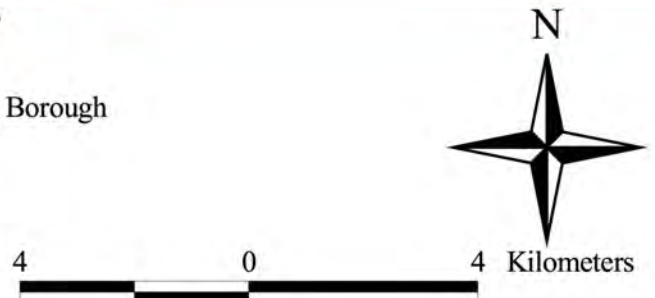
Conservation Status is only displayed for terrestrial areas



General Land Status

- Native Allotments
- University Lands
- Mental Health Trust Lands
- State Designated Areas
- Bureau of Land Management
- National Wildlife Refuge

- Other Federal
- Kenai Peninsula Borough
- City
- Native Lands
- State Lands
- Private



Cook Inlet

Nikiski

Salamatof

Kenai

Soldotna

Kasilof

3 0 3 6 Kilometers

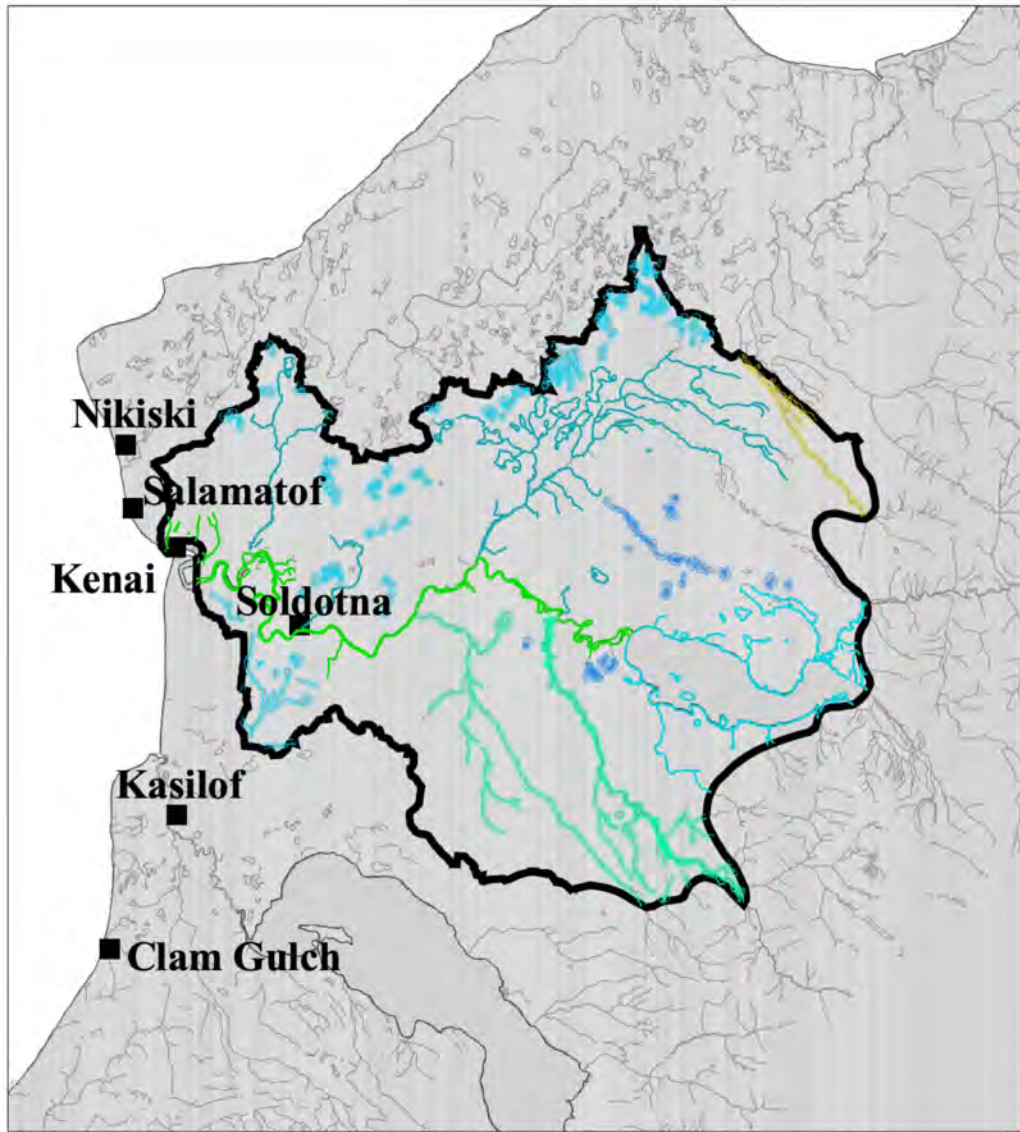
Tustumena Lake

Conservation Status









- 0% High
- 5% Medium
- 0% Low
- 95% None



Conservation Status is only displayed for terrestrial areas

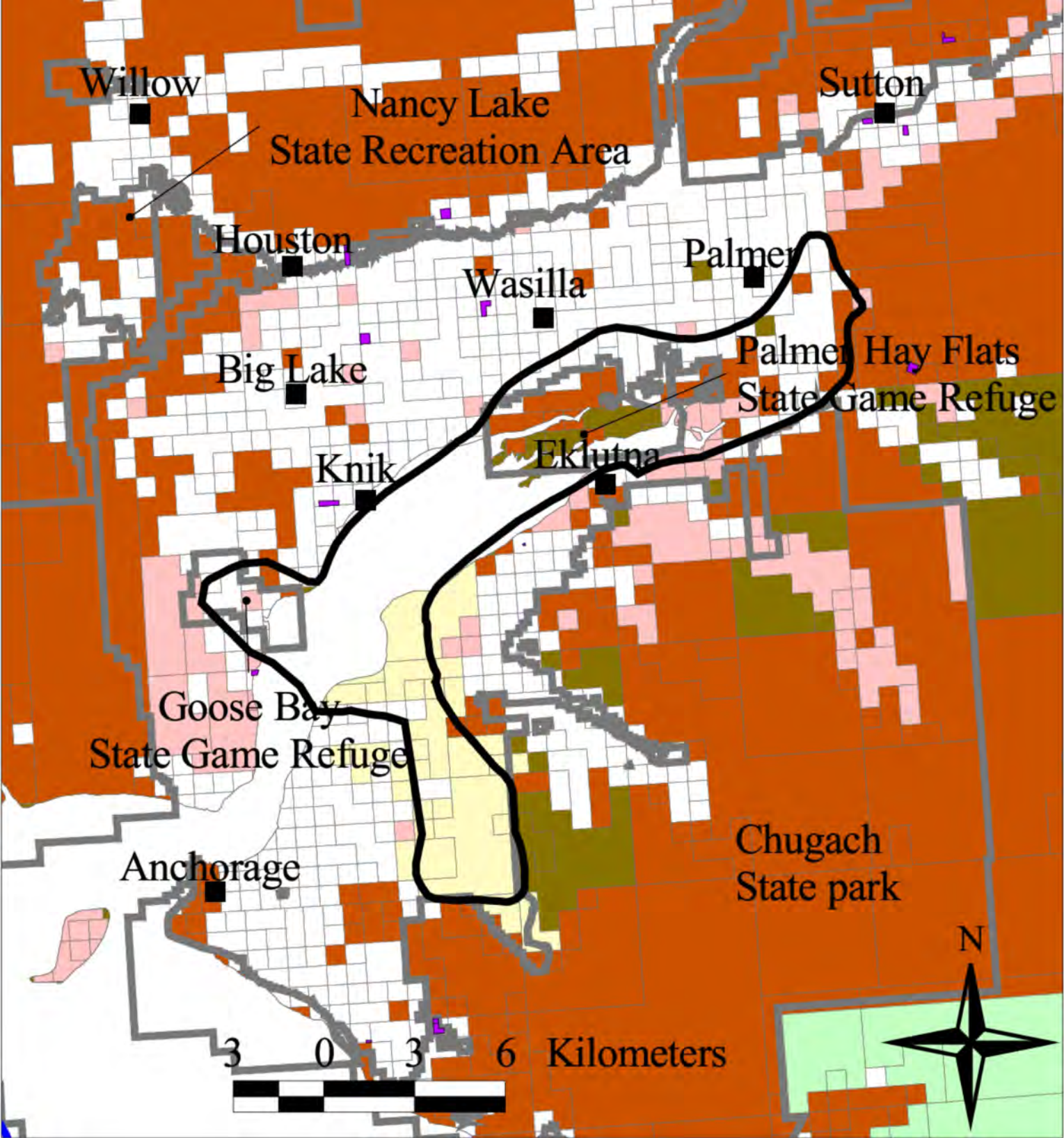


Aquatic Ecological Systems








-  Glacial Mainstem with Large Lake in Headwaters
-  Lake Plain Tributaries to Glacial Mainstem
-  Lake and Tributaries to Glacial Mainstem with Large Lake in Headwaters
-  Non-Glacial River Draining Steep Topography and Crossing Lake Plain and Moraine
-  Tributaries to Glacial Mainstem River
-  Unconnected Lake on Lake Plain
-  Unconnected Lake on Moraine
-  Kenai River Watershed

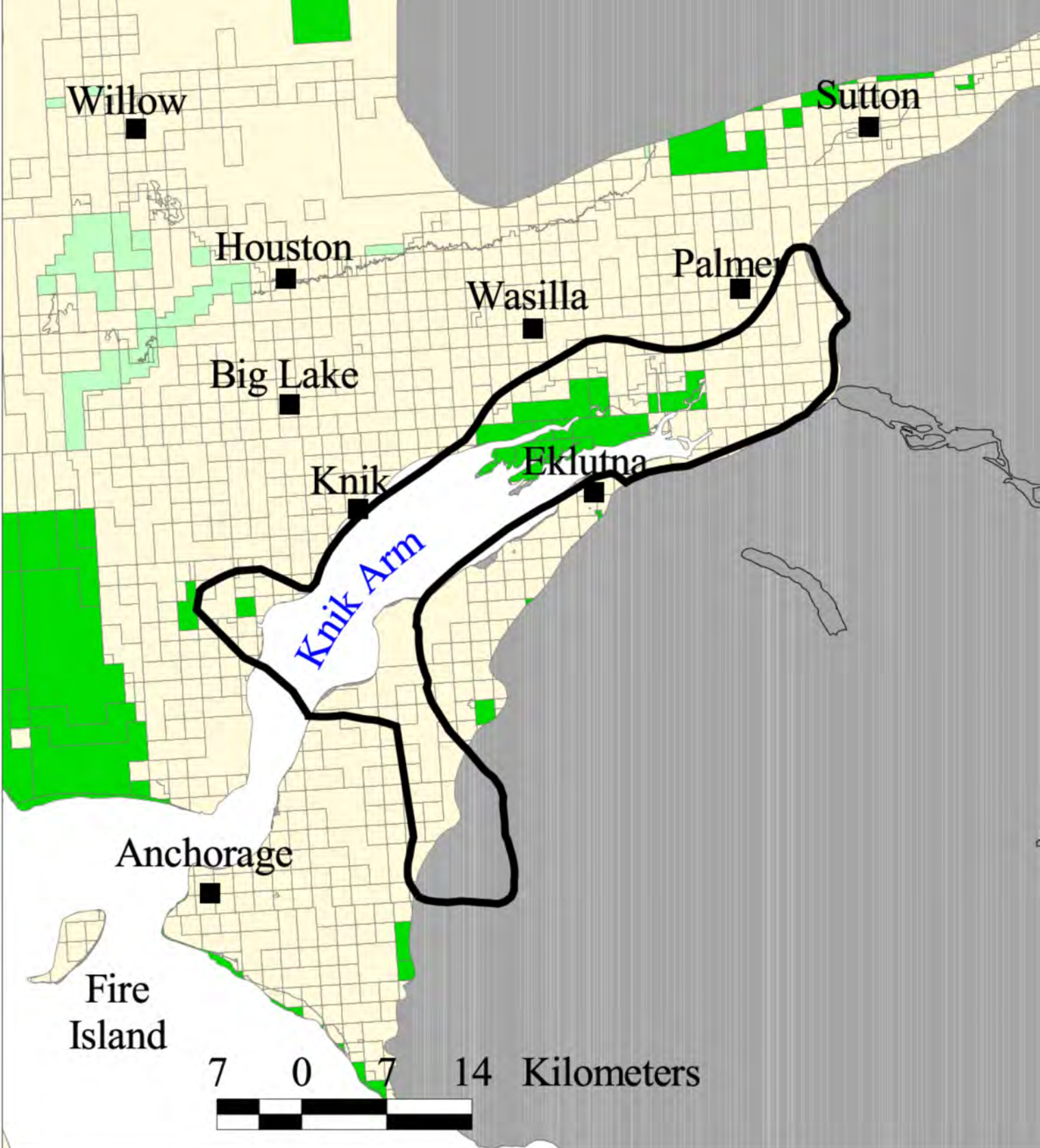
Scale 1: 1,000,000
Albers Equal Area Projection





General Land Status

- | | |
|--|---|
|  State Designated Areas |  State Lands |
|  Department of Defense |  Private |
|  Bureau of Land Management |  Native Allotments |
|  Native Lands - CIRI | |

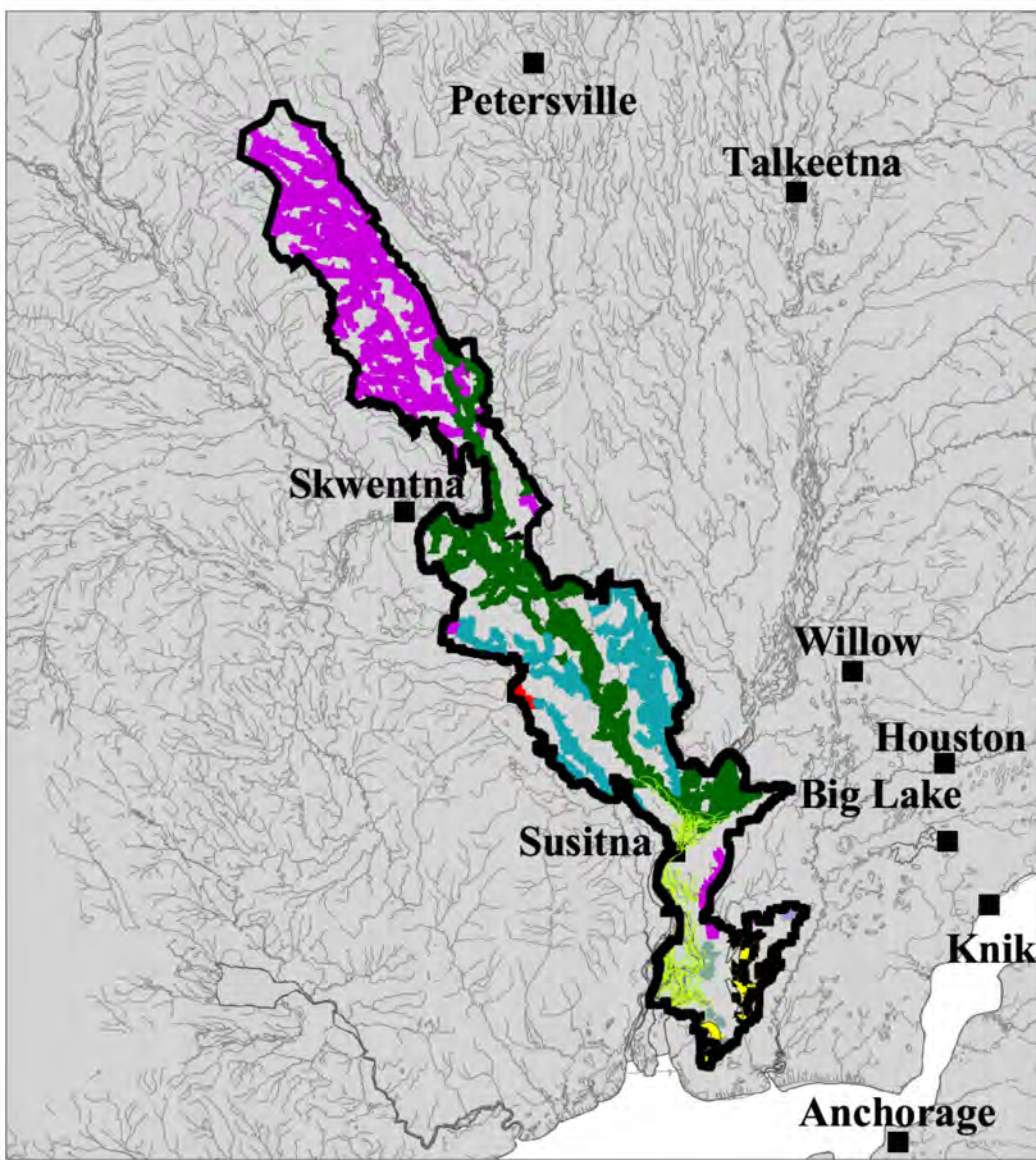


Conservation Status













- 0% High
- 18% Medium
- 0% Low
- 82% None

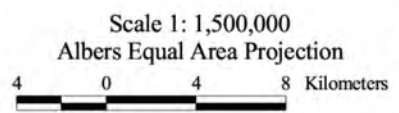


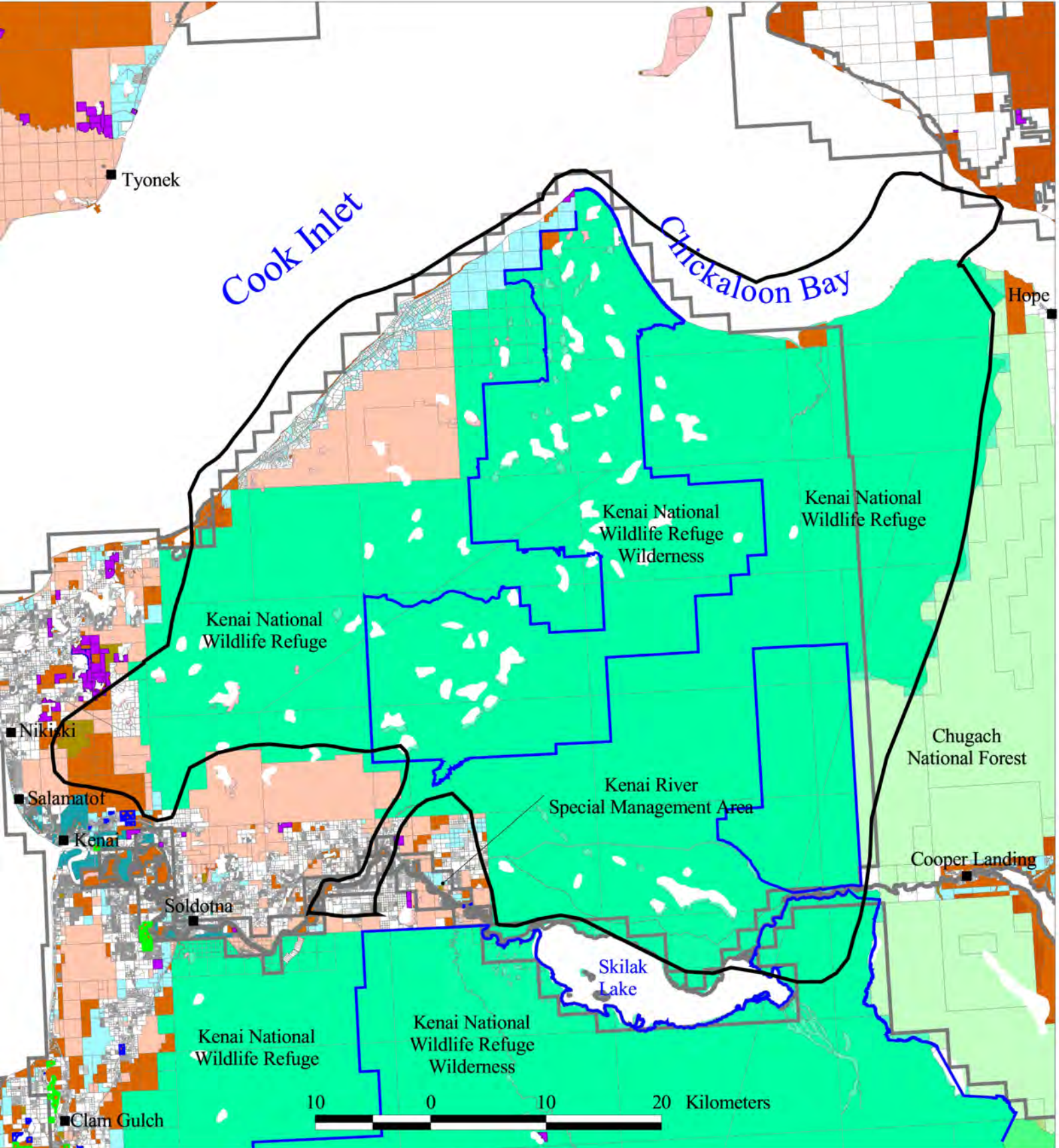
Conservation Status is only displayed for terrestrial areas



Aquatic Ecological Systems

-  Glacial Mainstem River with Large Headwater Lake
-  Glacial Mainstem of Major Tributary of Susitna Complex
-  Headwater Lake and Tributaries
-  Lake Plain Tributaries to Glacial Mainstem
-  Moderate Sized Non-Glacial River
-  Moraine Tributaries on Alluvial Terrace to Glacial Mainstem
-  Moraine Tributaries to Glacial Mainstem
-  Non-Glacial Stream on Lake Plain
-  Small Unconnected Lakes on Lake Plain
-  Small Unconnected Lakes on Moraine
-  Susitna River Delta
-  Lake Creek Watershed





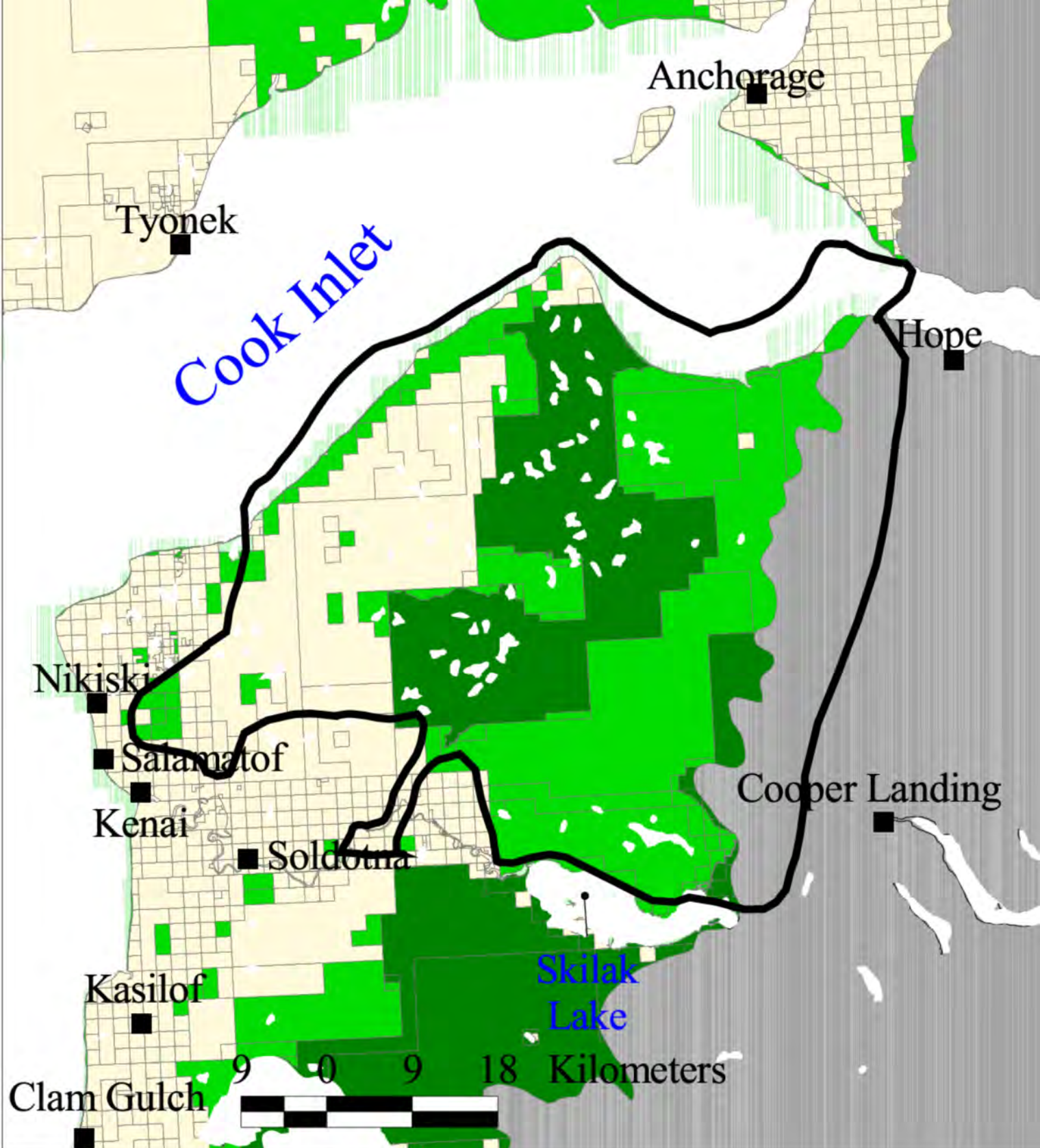
General Land Status

- Native Allotments
- University Lands
- Mental Health Trust Lands
- State Designated Areas
- Bureau of Land Management

- National Forest
- National Wildlife Refuge
- Other Federal
- Wilderness Area
- Kenai Peninsula Borough

- City
- Native Lands
- State Lands
- Private

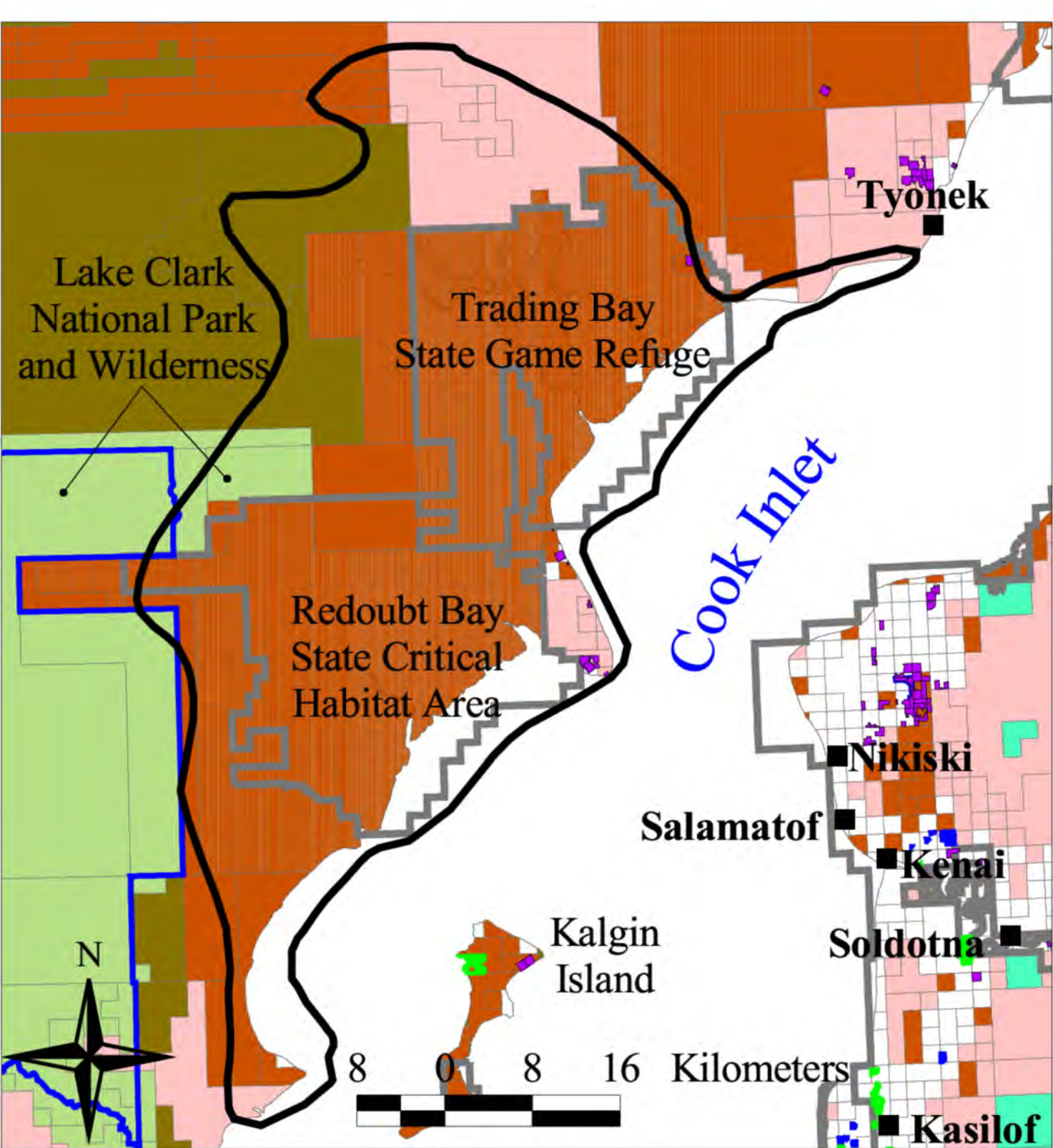




Conservation Status

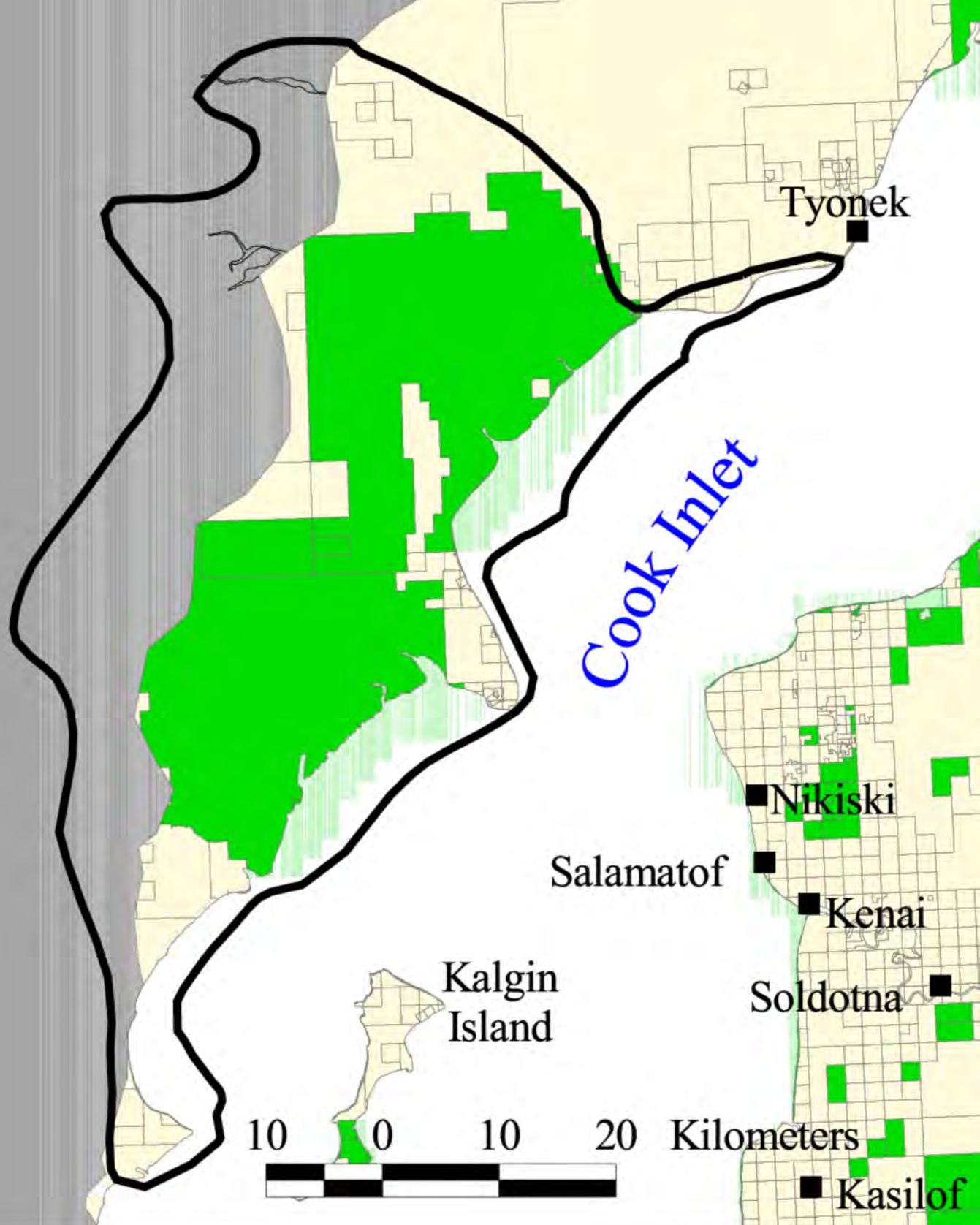
- 30% High
- 43% Medium
- 0% Low
- 27% None

Conservation Status is only displayed for terrestrial areas



General Land Status

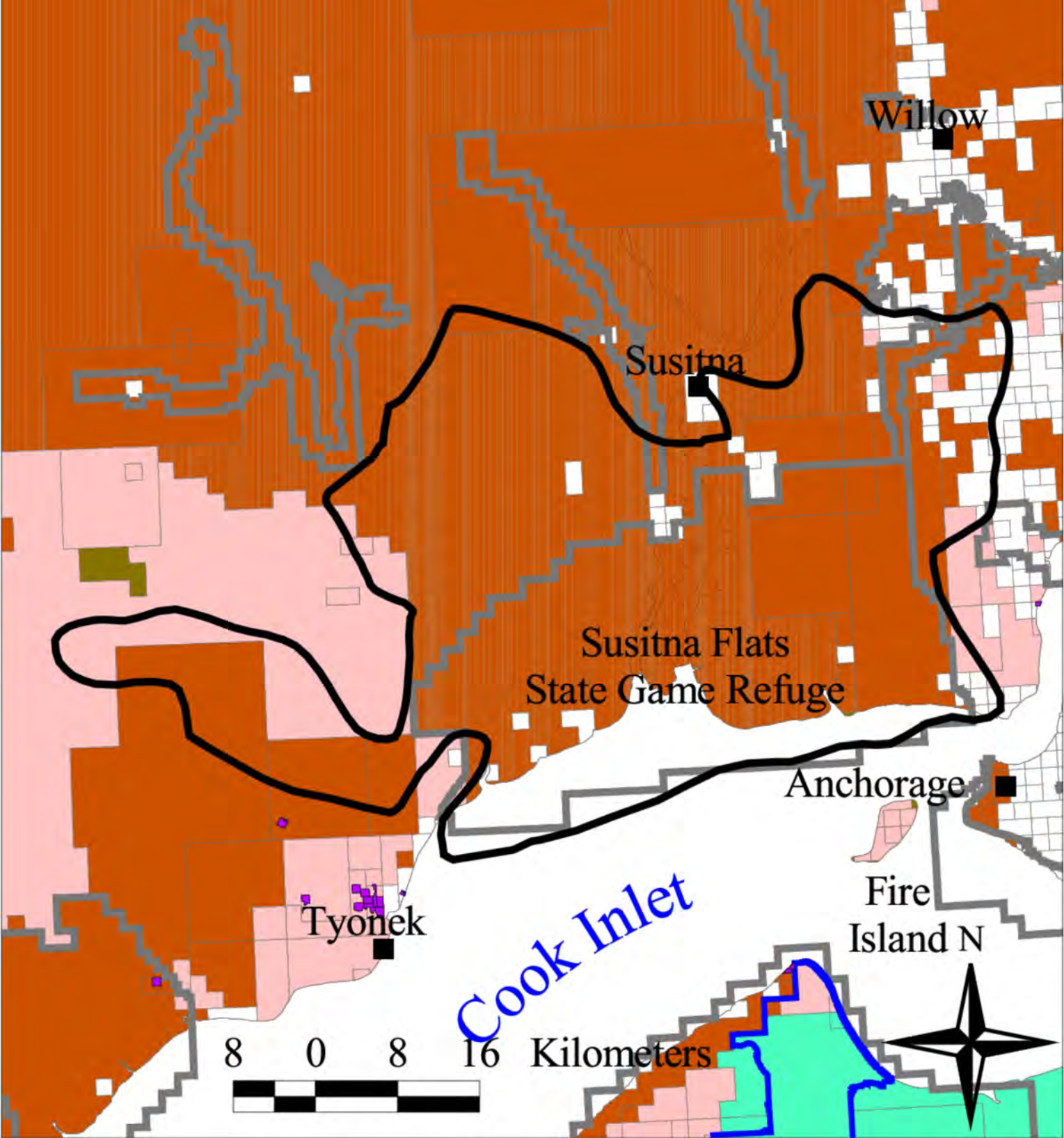
- | | |
|---------------------------|---------------------|
| State Designated Areas | Private |
| Native Allotment | Wilderness Area |
| University of Alaska | USFWS |
| Mental Health Trust | Native Lands - CIRI |
| National Park | State Lands |
| Bureau of Land Management | Borough |



Conservation Status

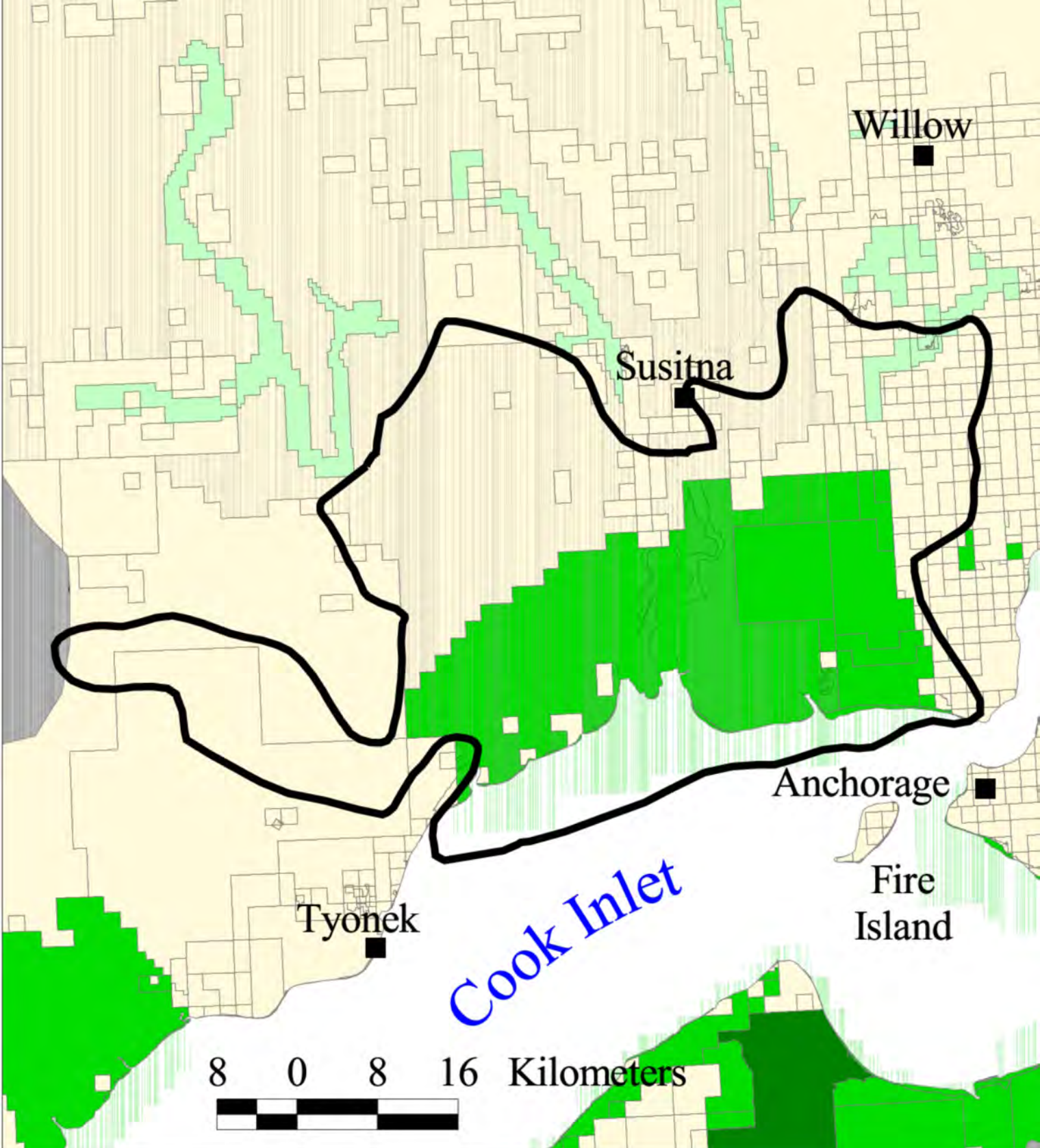
- 0% High
- 67% Medium
- 0% Low
- 33% None

Conservation Status is only displayed for terrestrial areas



General Land Status

- | | |
|---------------------------|---------------------|
| State Designated Areas | Native Lands - CIRI |
| Native Allotment | State Lands |
| Bureau of Land Management | Borough |
| National Wildlife Refuge | Private |
| Wilderness Area | |

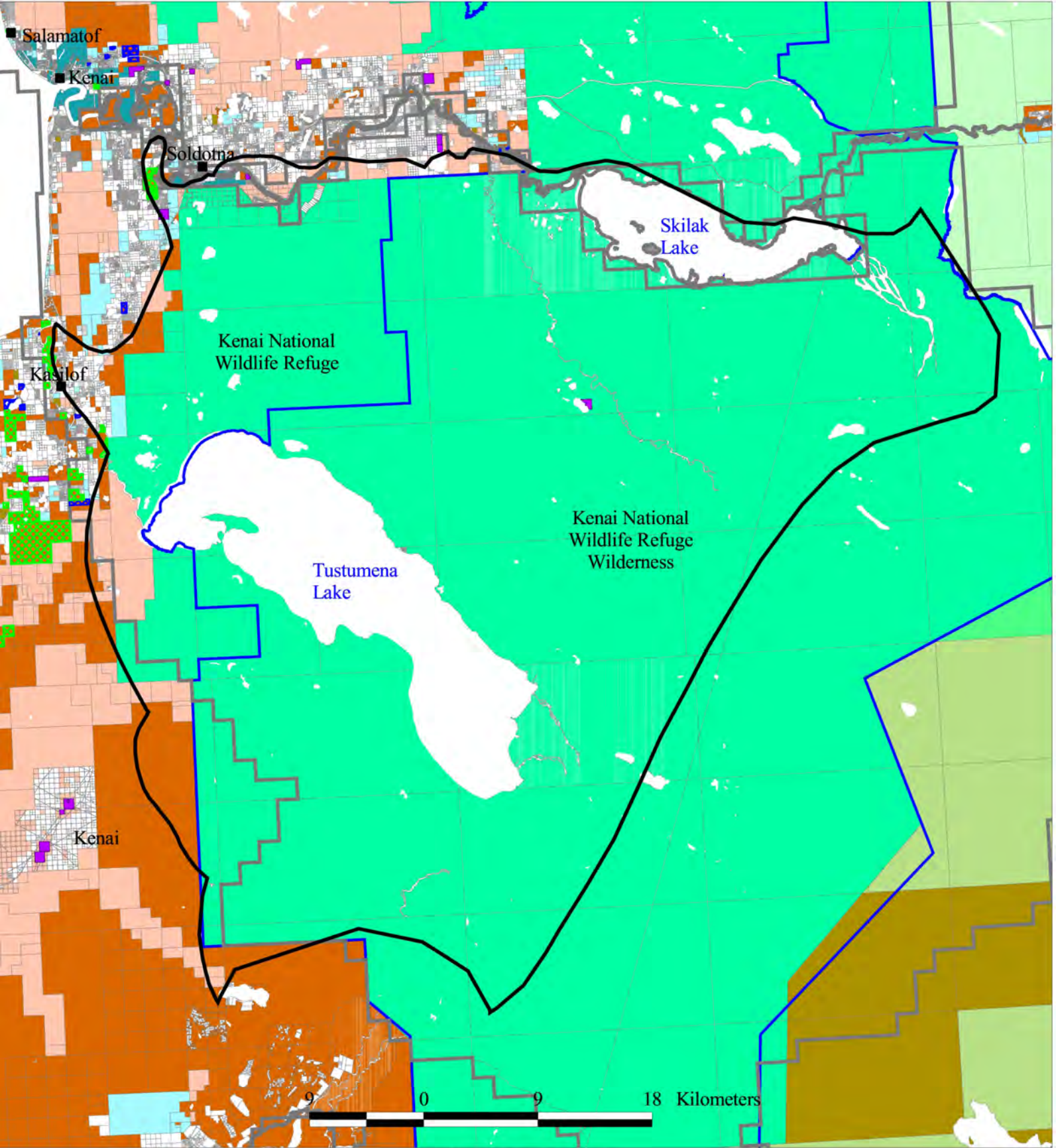


Conservation Status

- 0% High
- 38% Medium
- 1% Low
- 61% None



Conservation Status is only displayed for terrestrial areas



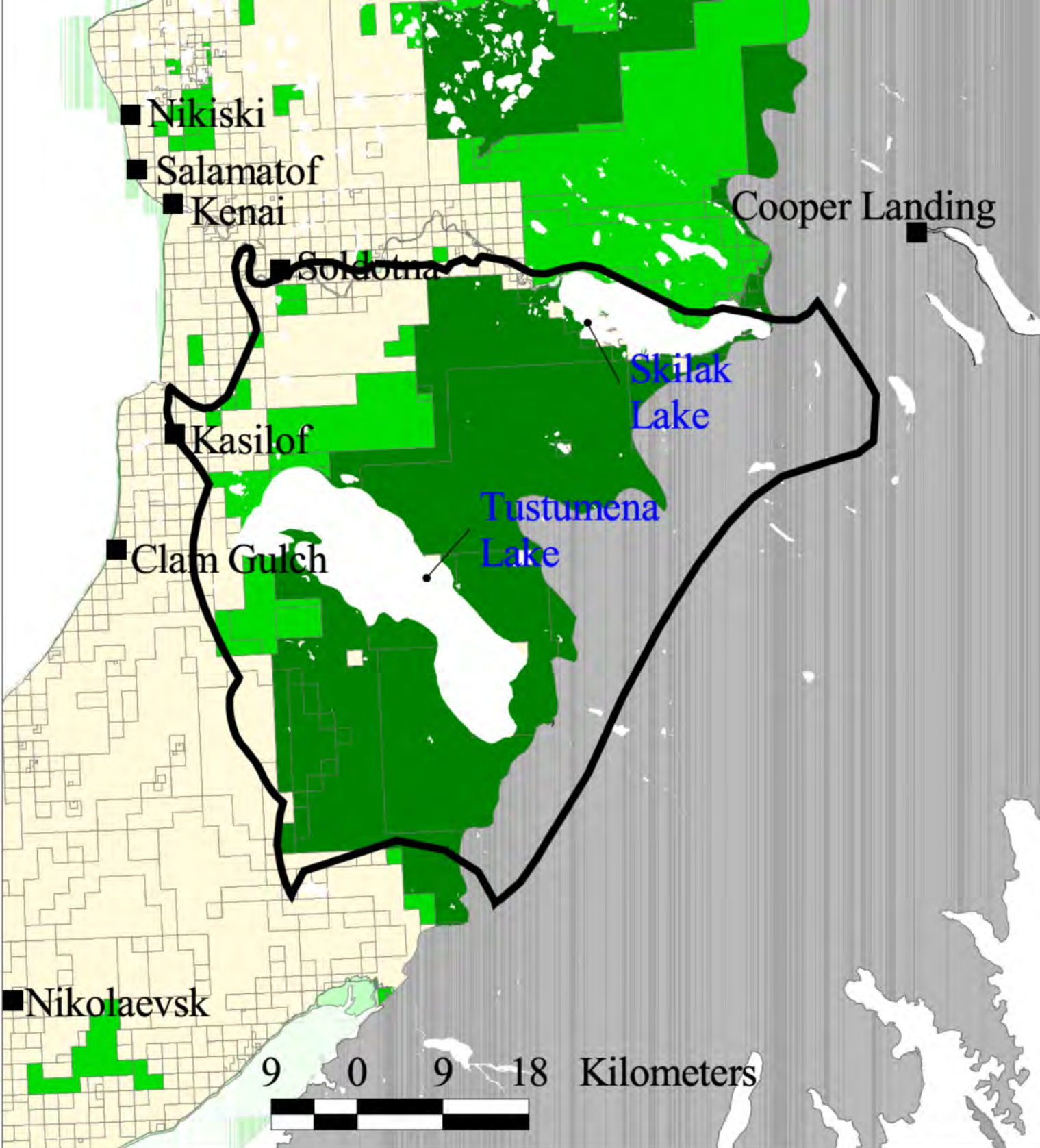
General Land Status

- Native Allotments
- University Lands
- Mental Health Trust Lands
- State Designated Areas
- Bureau of Land Management

- National Forest
- National Park
- National Wildlife Refuge
- Other Federal
- Wilderness Area

- Kenai Peninsula Borough
- City
- Native Lands
- State Lands
- Private



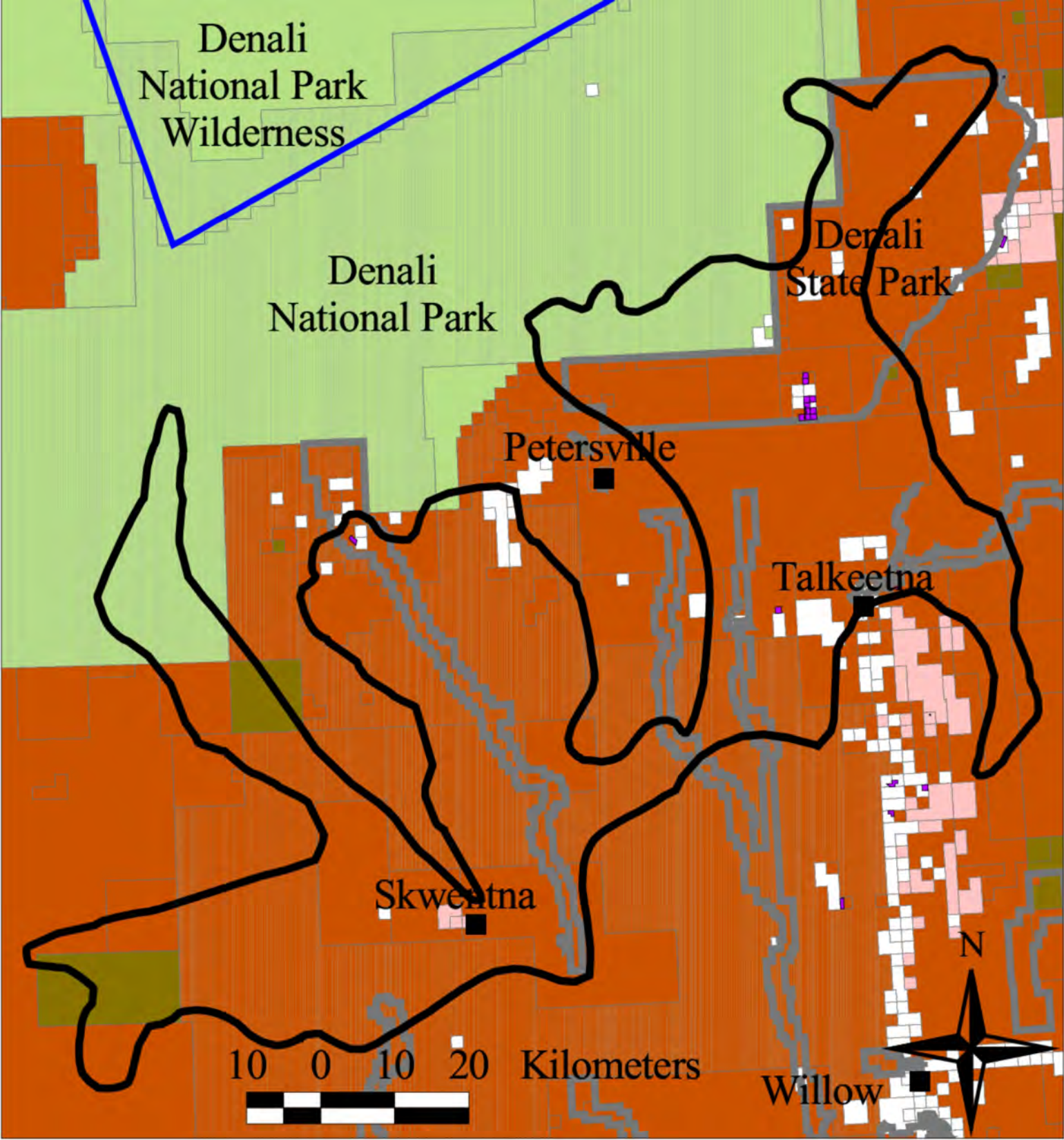


Conservation Status








- 66% High
- 11% Medium
- 4% Low
- 20% None

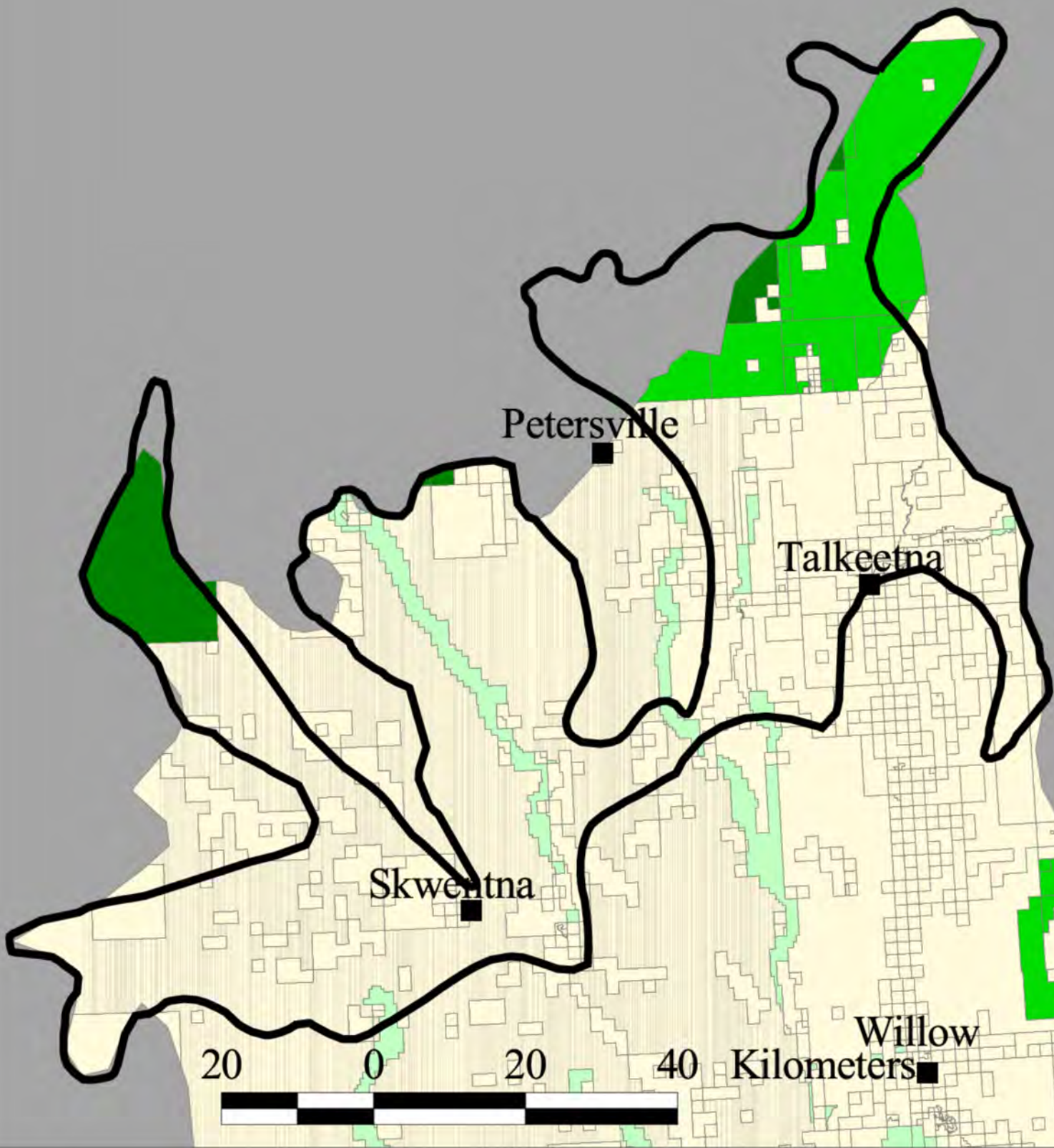


Conservation Status is only displayed for terrestrial areas



General Land Status

- | | |
|---|---|
|  State Designated Areas |  Native Allotment |
|  National Park |  Native Lands - CIRI |
|  Bureau of Land Management |  Private |
|  State Lands | |



Conservation Status

- 5% High
- 12% Medium
- 4% Low
- 79% None



Conservation Status is only displayed for terrestrial areas