

Roadblocks to Seagrass Recovery

Seagrass Recovery Potential Model for Panhandle Estuaries

Seagrass Cover
Perdido Bay



What These Data Show

Description:

This dataset shows the seagrass cover maps for the Florida panhandle estuaries: Big Lagoon, Choctawhatchee Bay, Pensacola Bay, Perdido Bay, Santa Rosa Sound, Saint Andrew Bay, and Saint Joseph Bay. The seagrass cover maps are organized by year from 1940 to 2017.

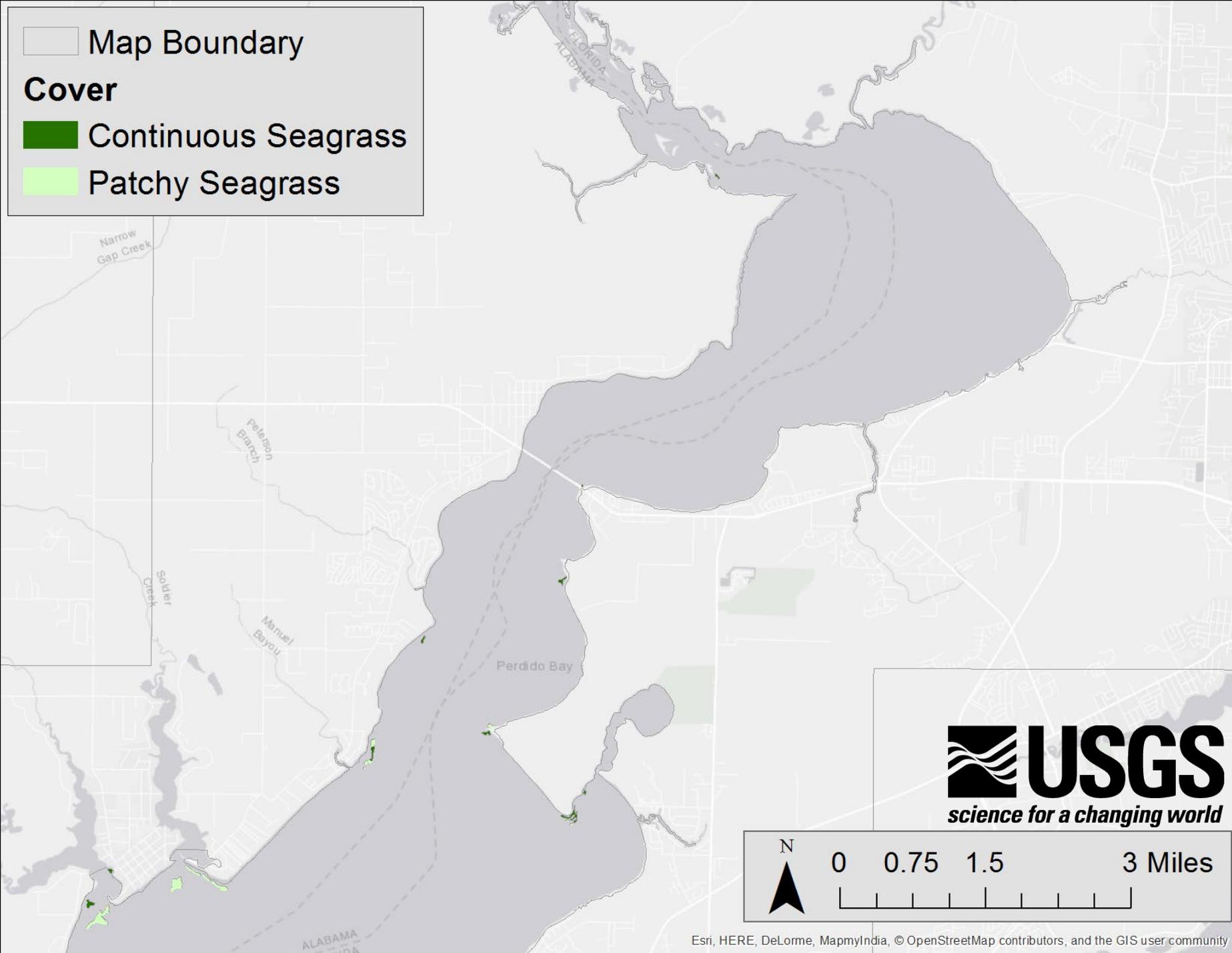
There are two types of maps in this dataset: polygon maps and grid maps. Polygon maps show the location of “Continuous seagrass” or “Patchy seagrass”. Note that the boundaries of some maps do not include the entire estuary. Grid maps were created through the interpretation of imagery by FWRI employees using a 1-ha grid. Each grid cell was given a value of either “Bare”, “Patchy seagrass with <10% cover”, “Patchy seagrass with 10-50% cover”, “Patchy seagrass with 50-90% cover”, or “Continuous seagrass”, based on the cover in each grid cell.

Credits:

This project was funded through the National Fish and Wildlife Foundation Gulf Environmental Benefit Fund.

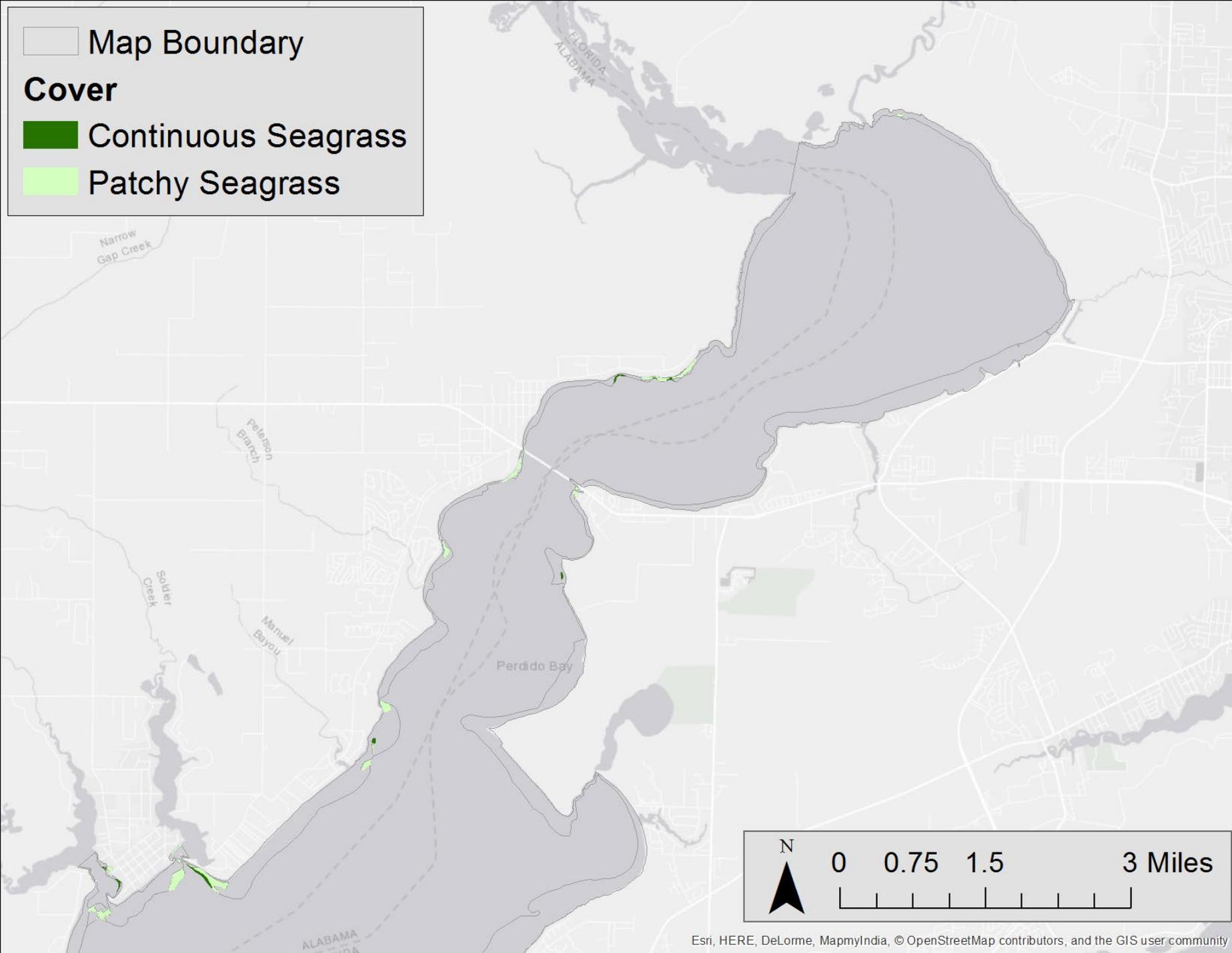
Attributes/Source

| Year | Imagery | Map |
|-------------|---|--------------------------------------|
| 1940 | U.S. Department of Agriculture | U.S. Geological Survey |
| 1951 | U.S. Department of Agriculture | Quantum Spatial Inc. |
| 1965 | U.S. Department of Agriculture | Fish and Wildlife Research Institute |
| 1979 | | U.S. Geological Survey |
| 1987 | | U.S. Geological Survey |
| 1992 | National Aeronautics and Space Administration | U.S. Geological Survey |
| 2002 | Southeast Digital Mapping, LLC | Mobile Bay National Estuary Program |
| 2010 | Aerometric Surveys | PhotoScience Inc. |
| 2015 | National Agriculture Imagery Program | Dewberry Inc. |
| 2017 | National Agriculture Imagery Program | Quantum Spatial Inc. |



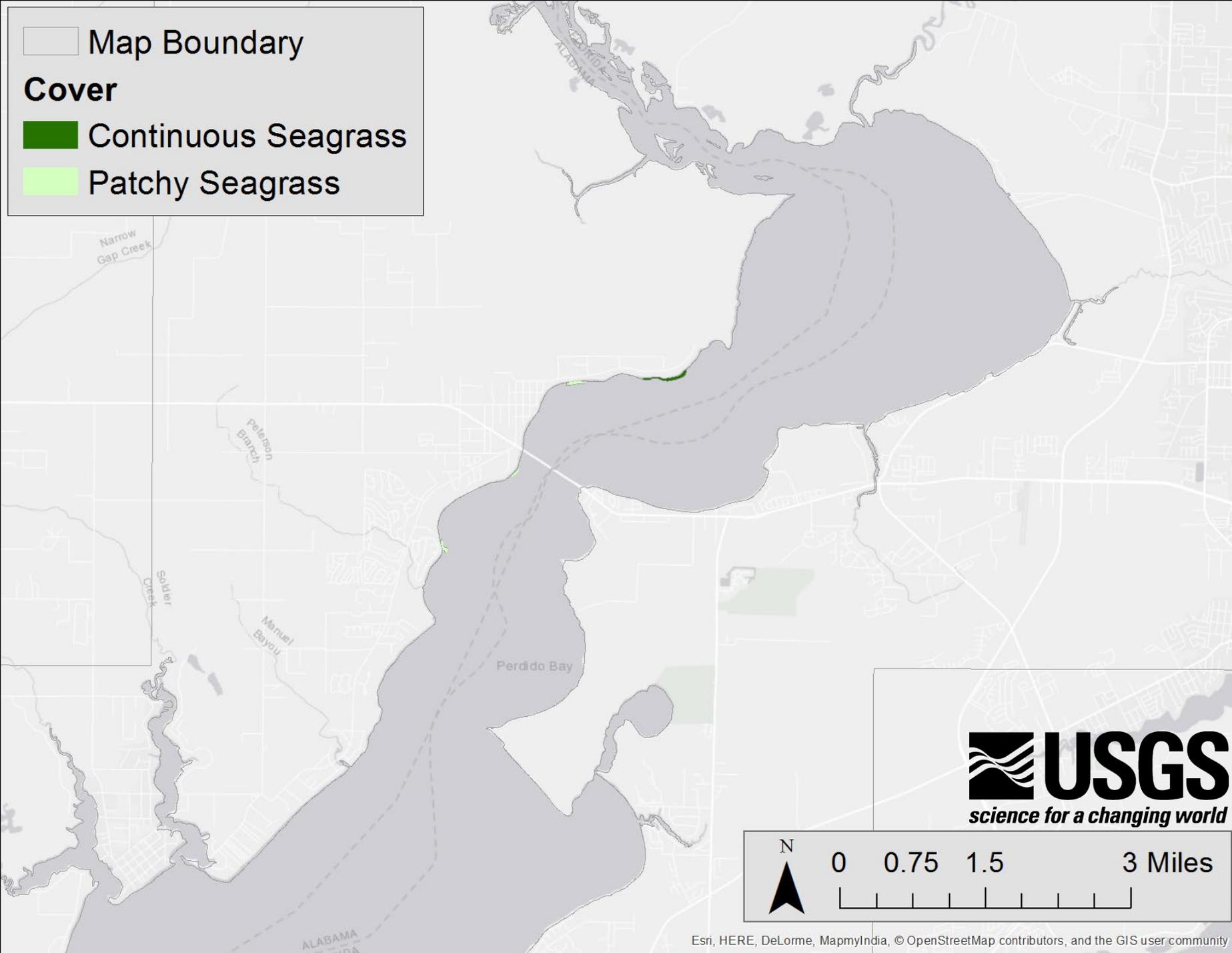
Perdido Bay *North* 1940





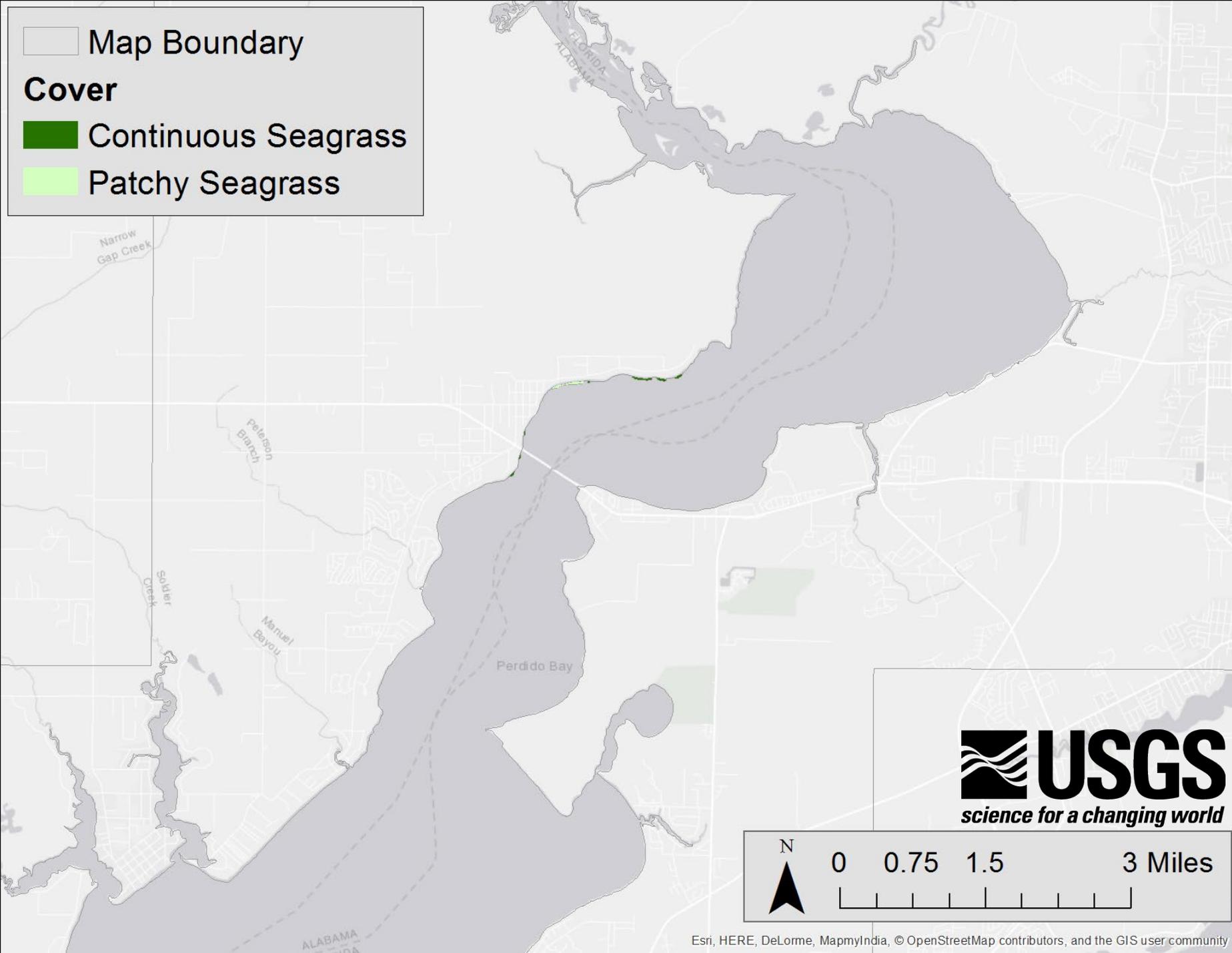
Perdido Bay *North* 1951





Perdido Bay *North* 1979





Perdido Bay *North* 1987

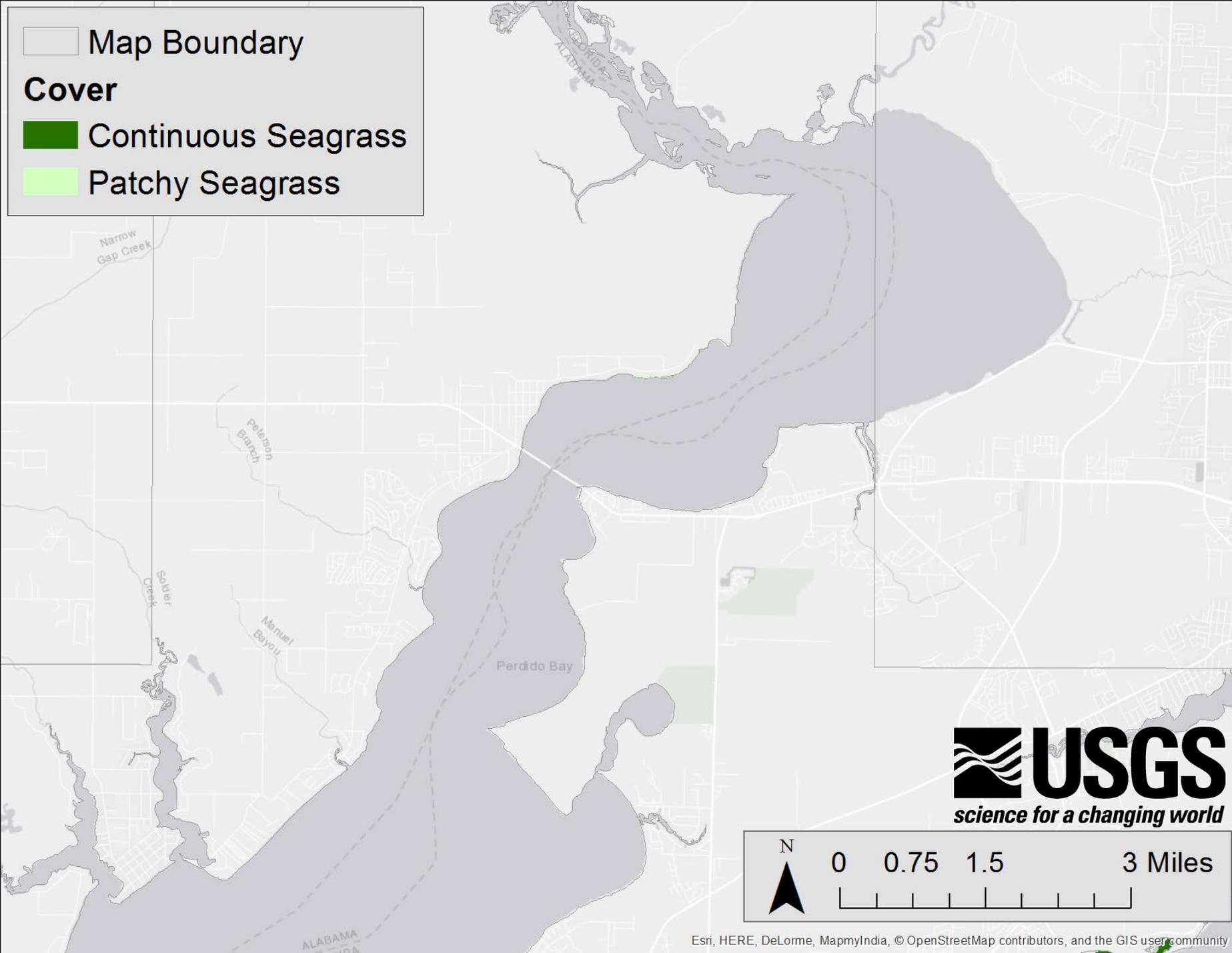


Map Boundary

Cover

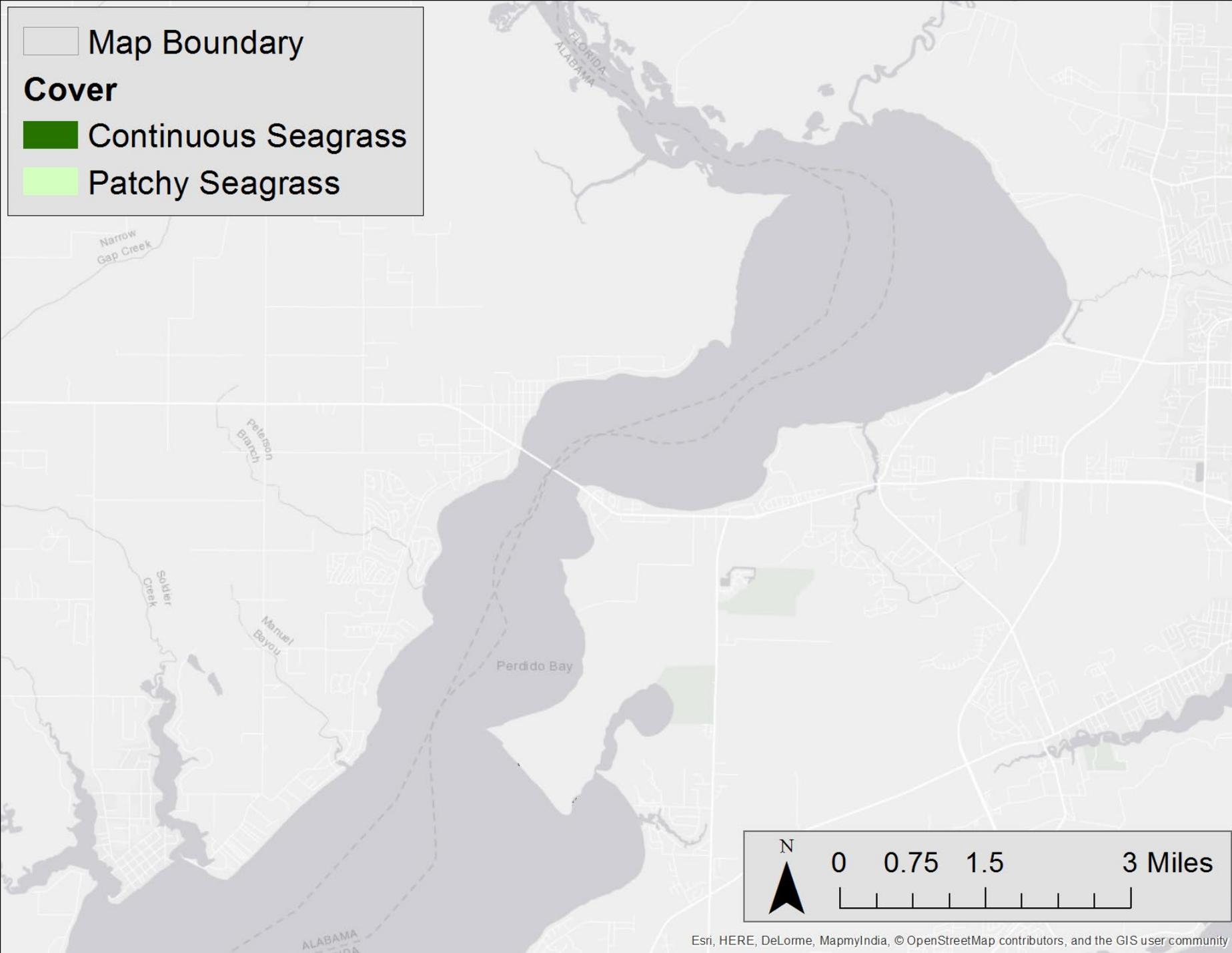
Continuous Seagrass

Patchy Seagrass



Perdido Bay *North* 1992



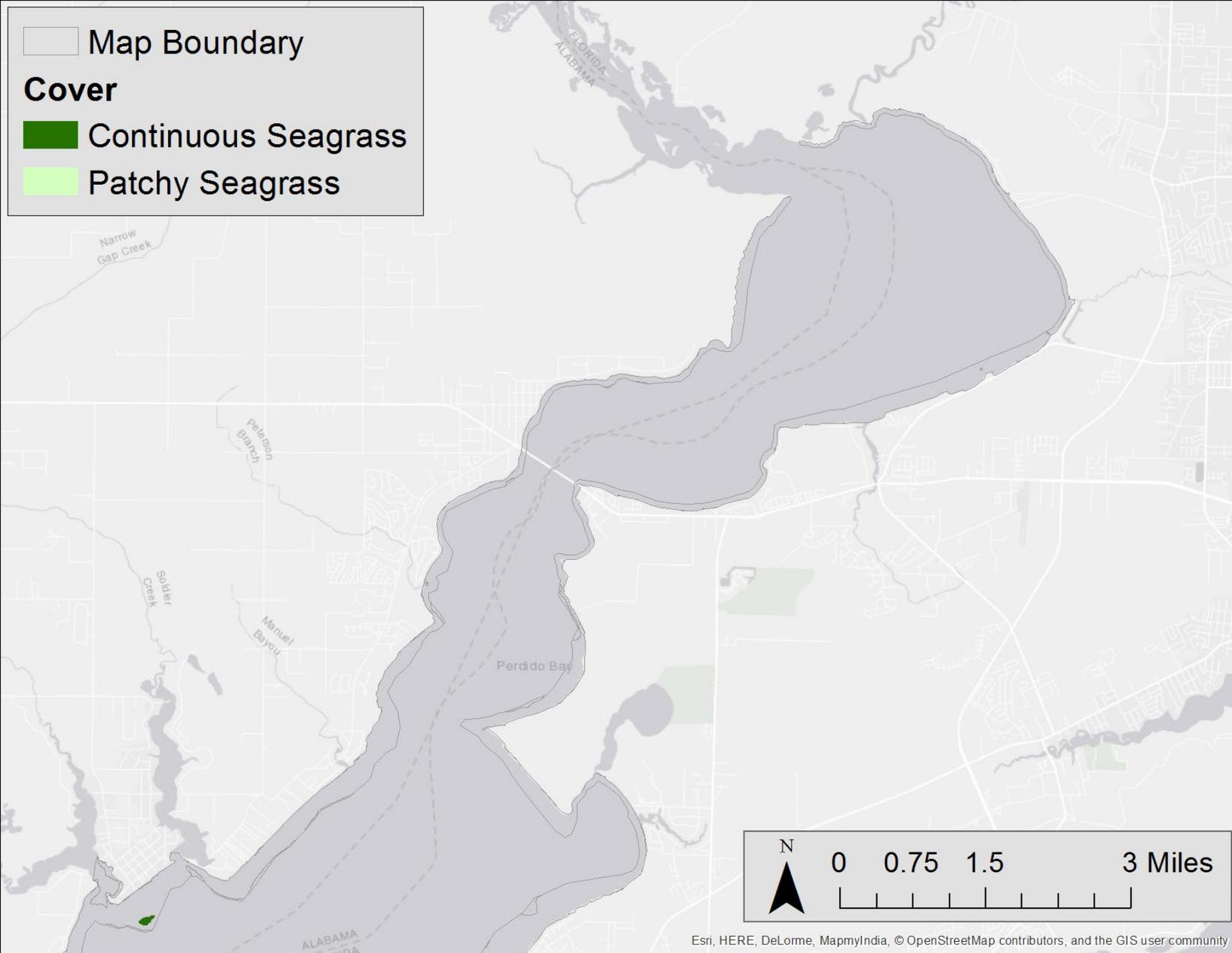


Perdido Bay

North

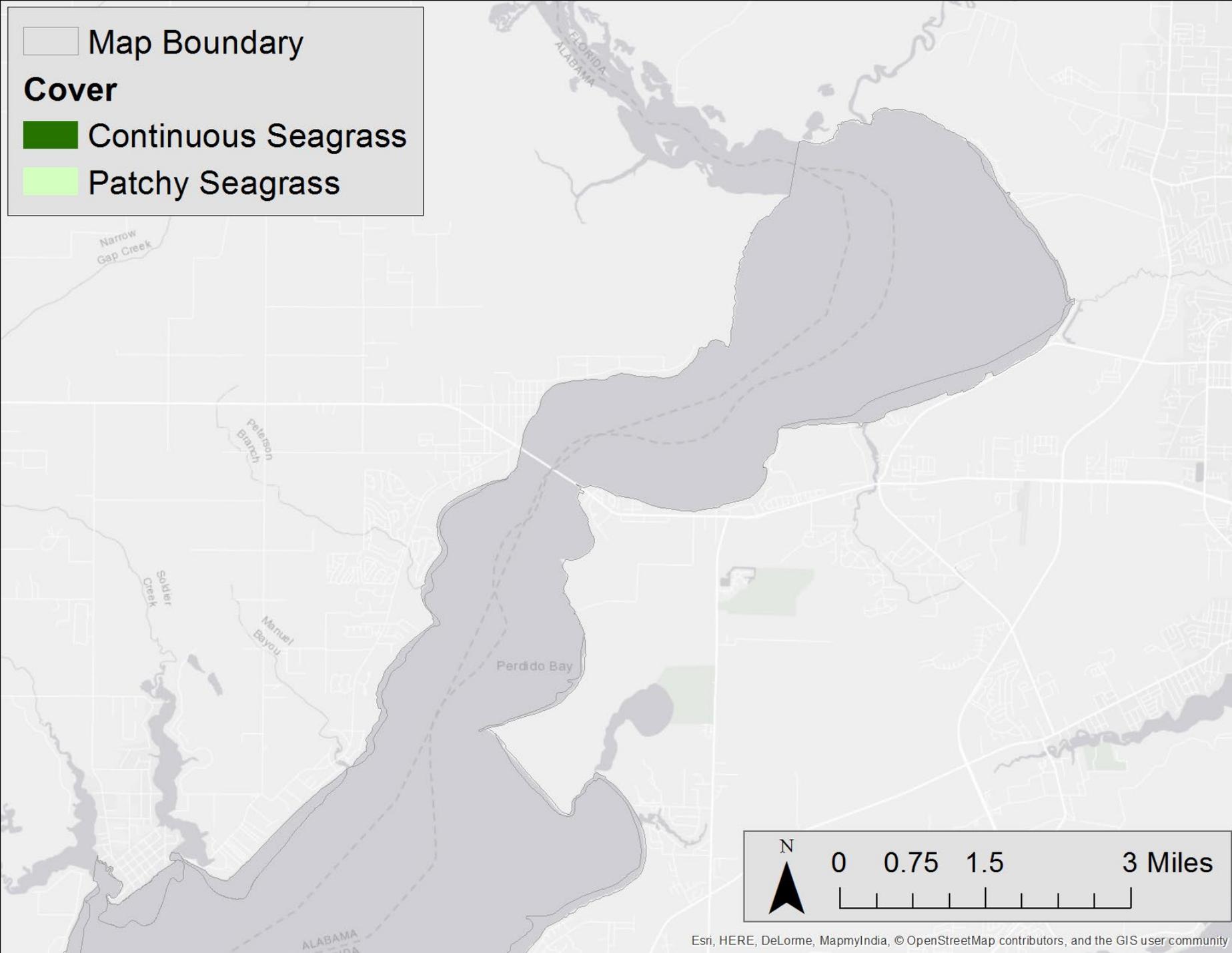
2002





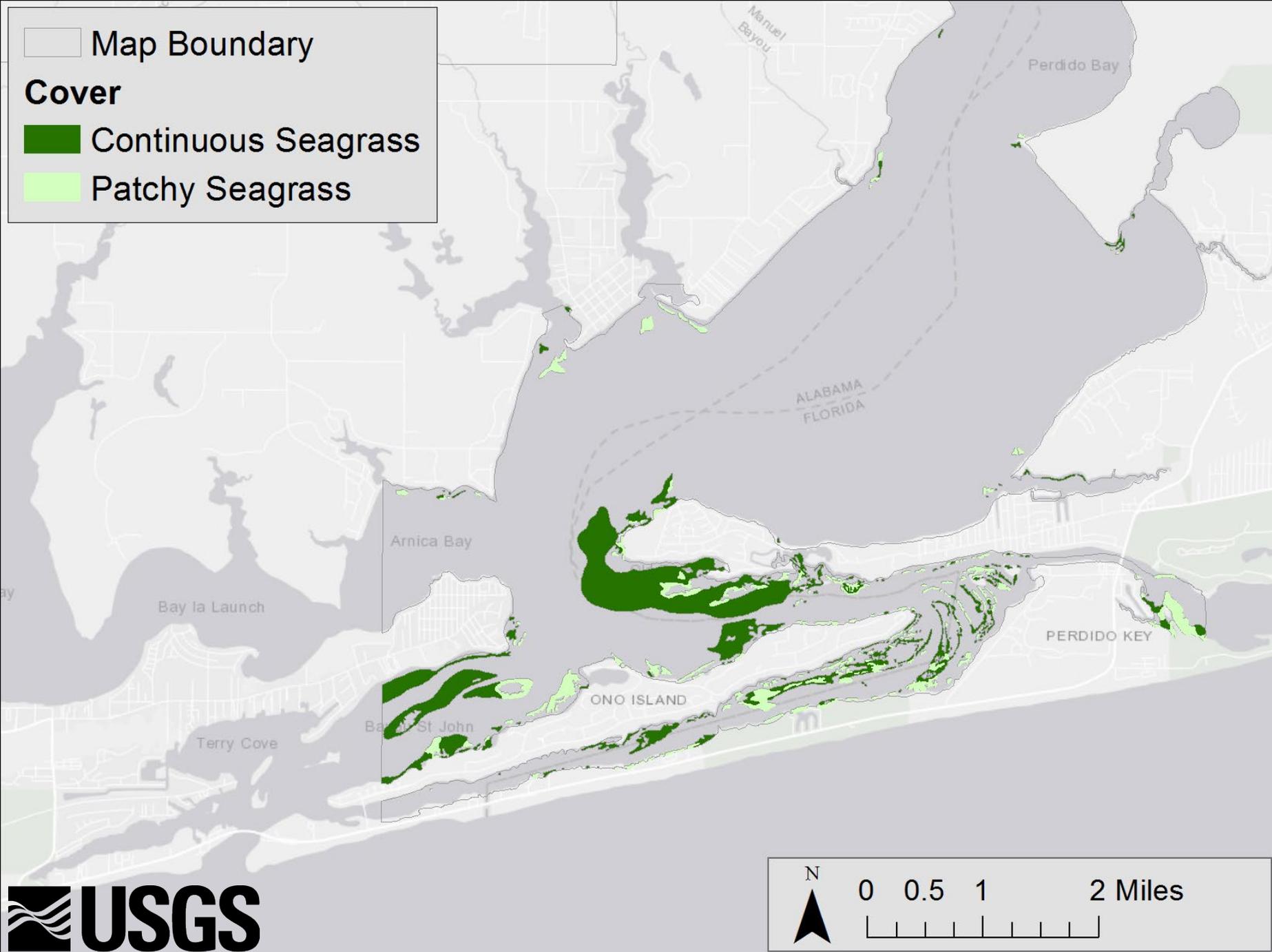
Perdido Bay *North* 2015





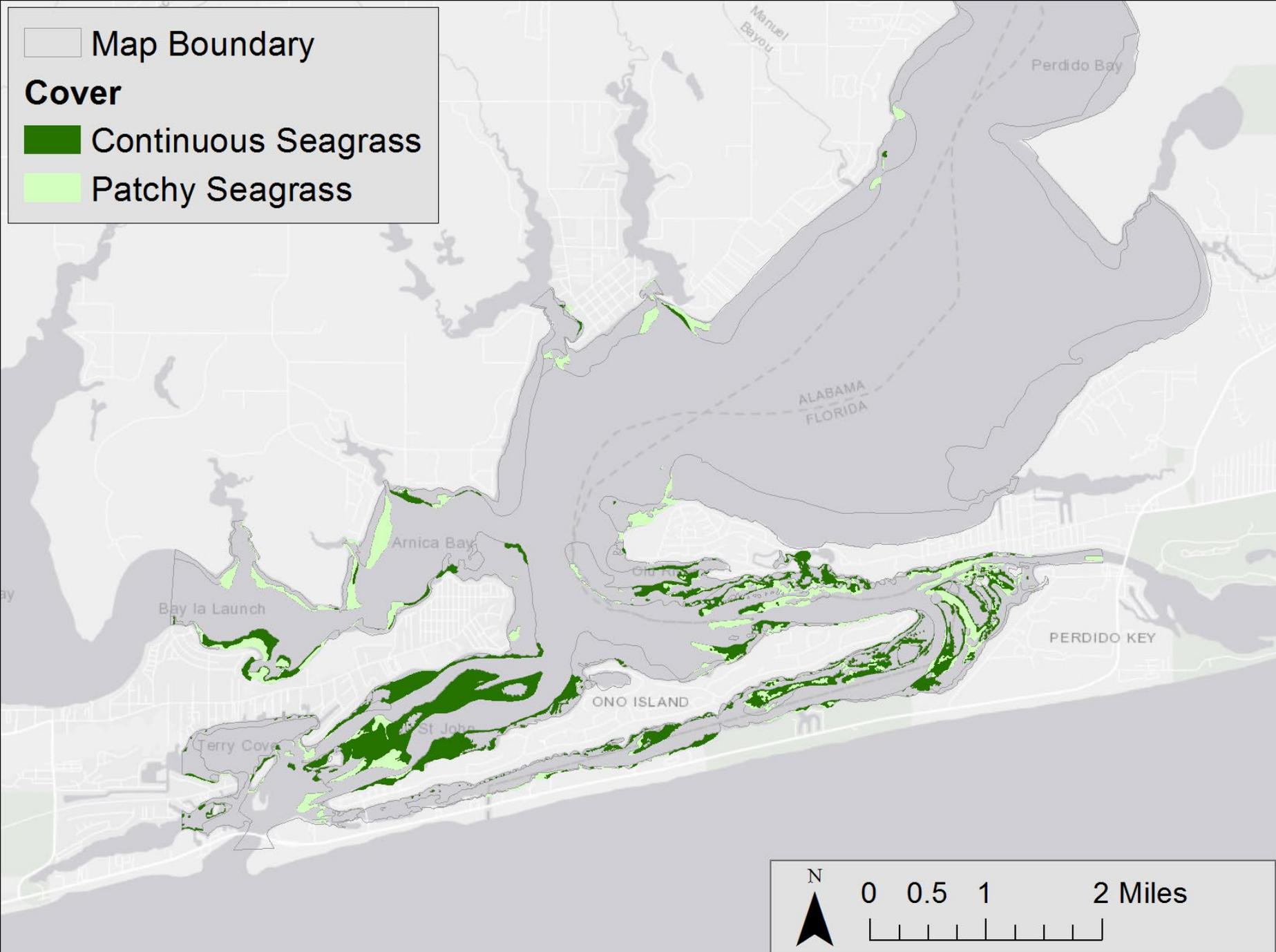
Perdido Bay *North* 2017





Perdido Bay *South* 1940

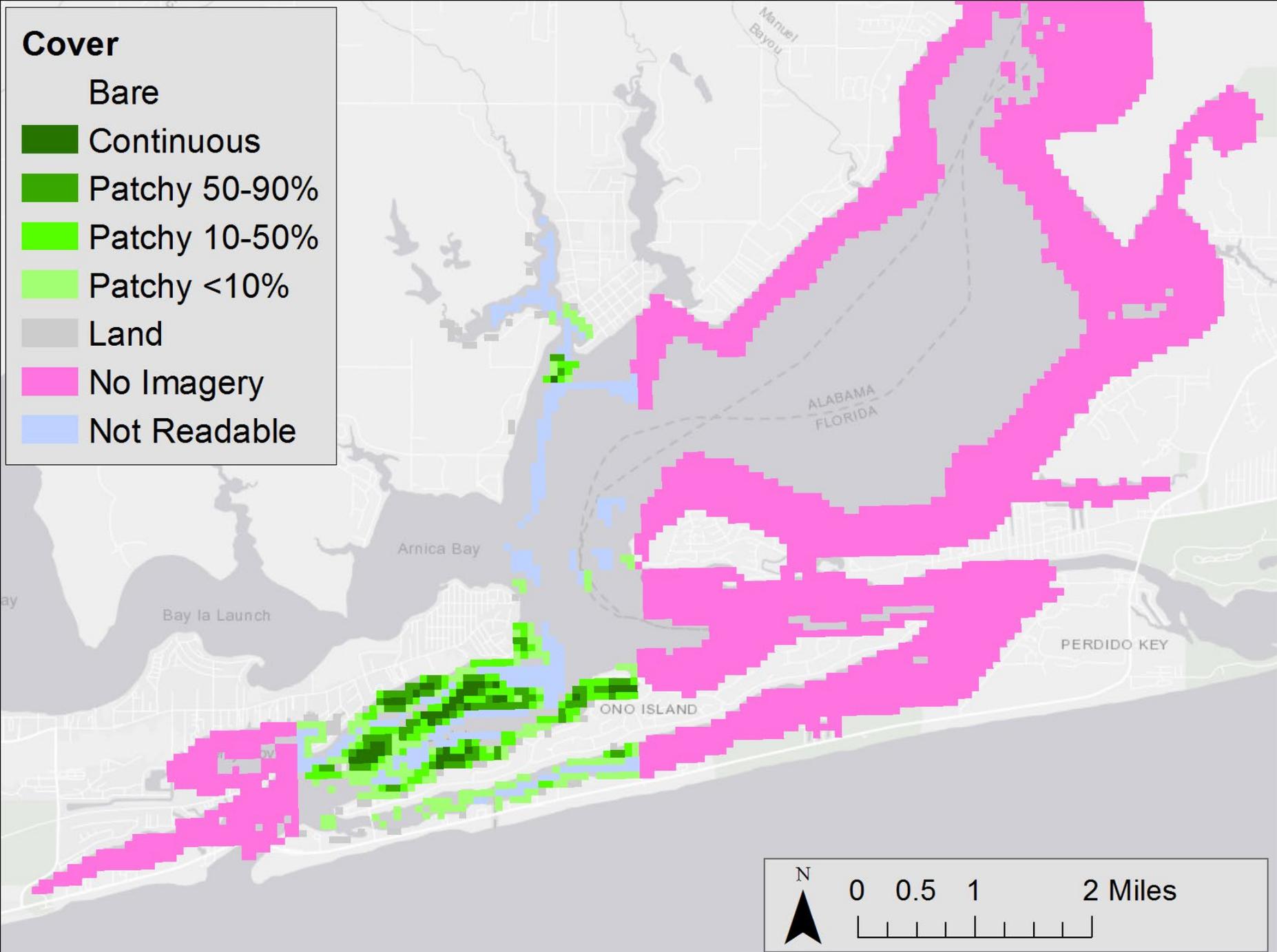


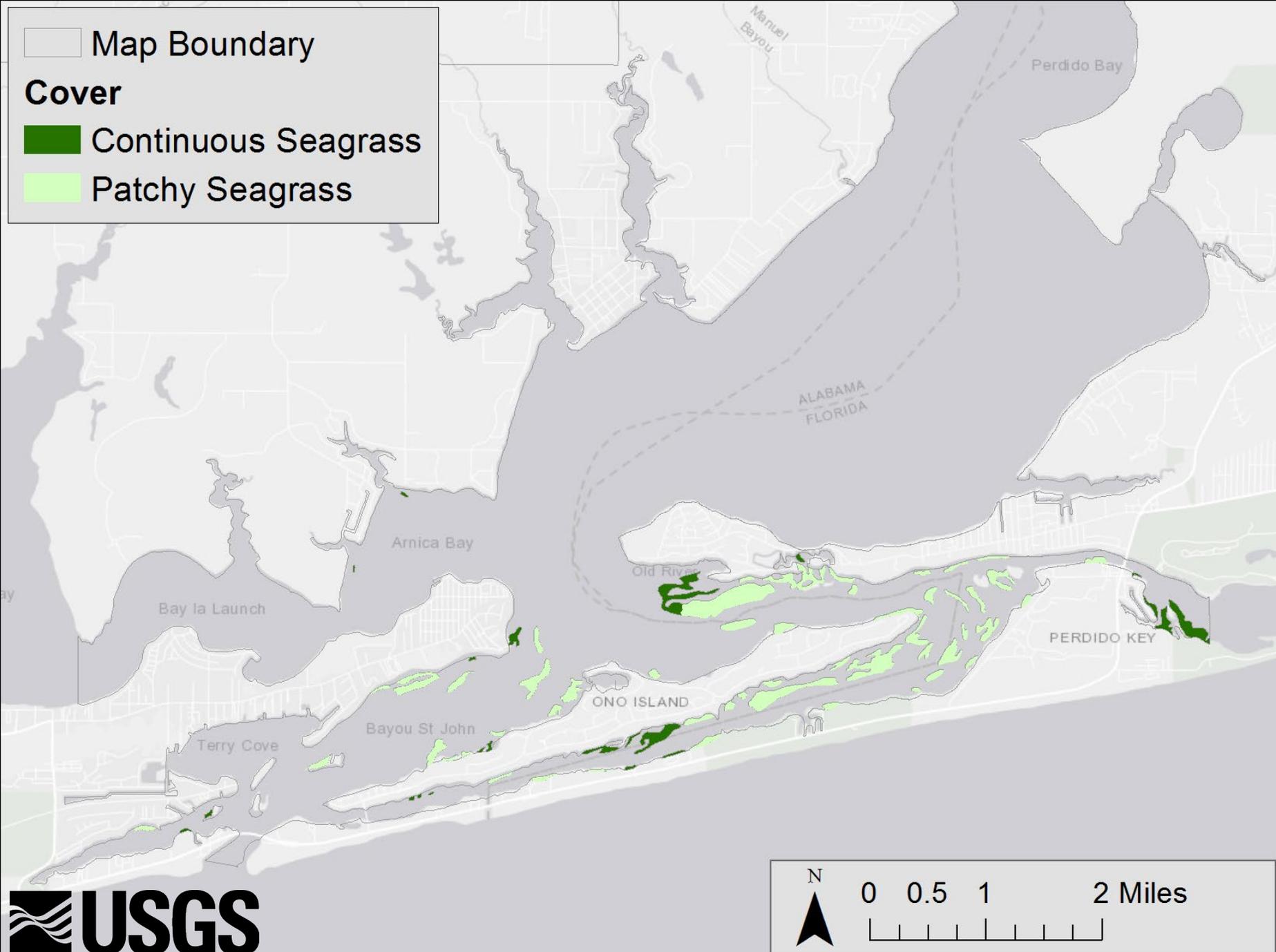


Perdido Bay *South* 1951



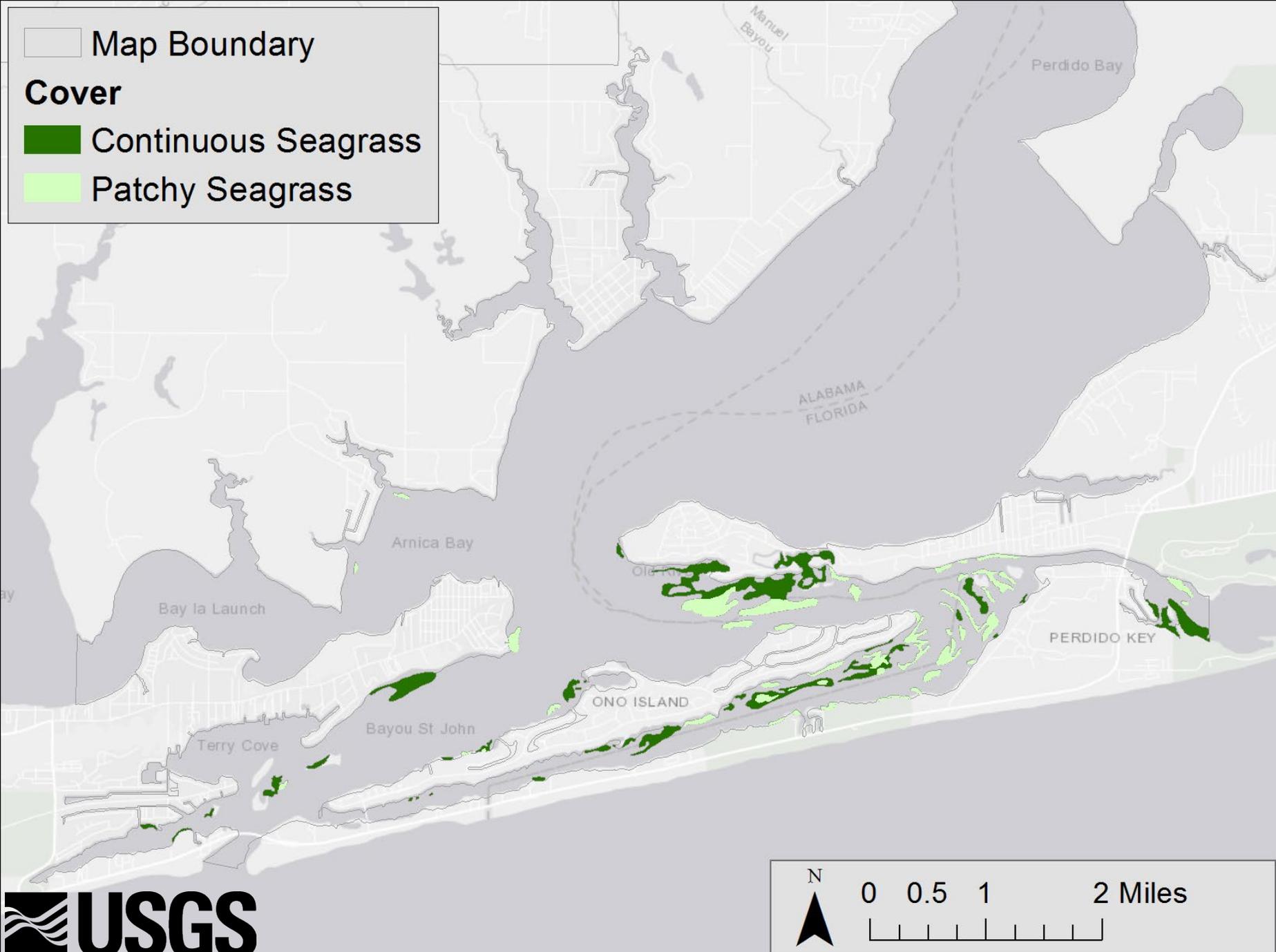
Perdido Bay *South* 1965





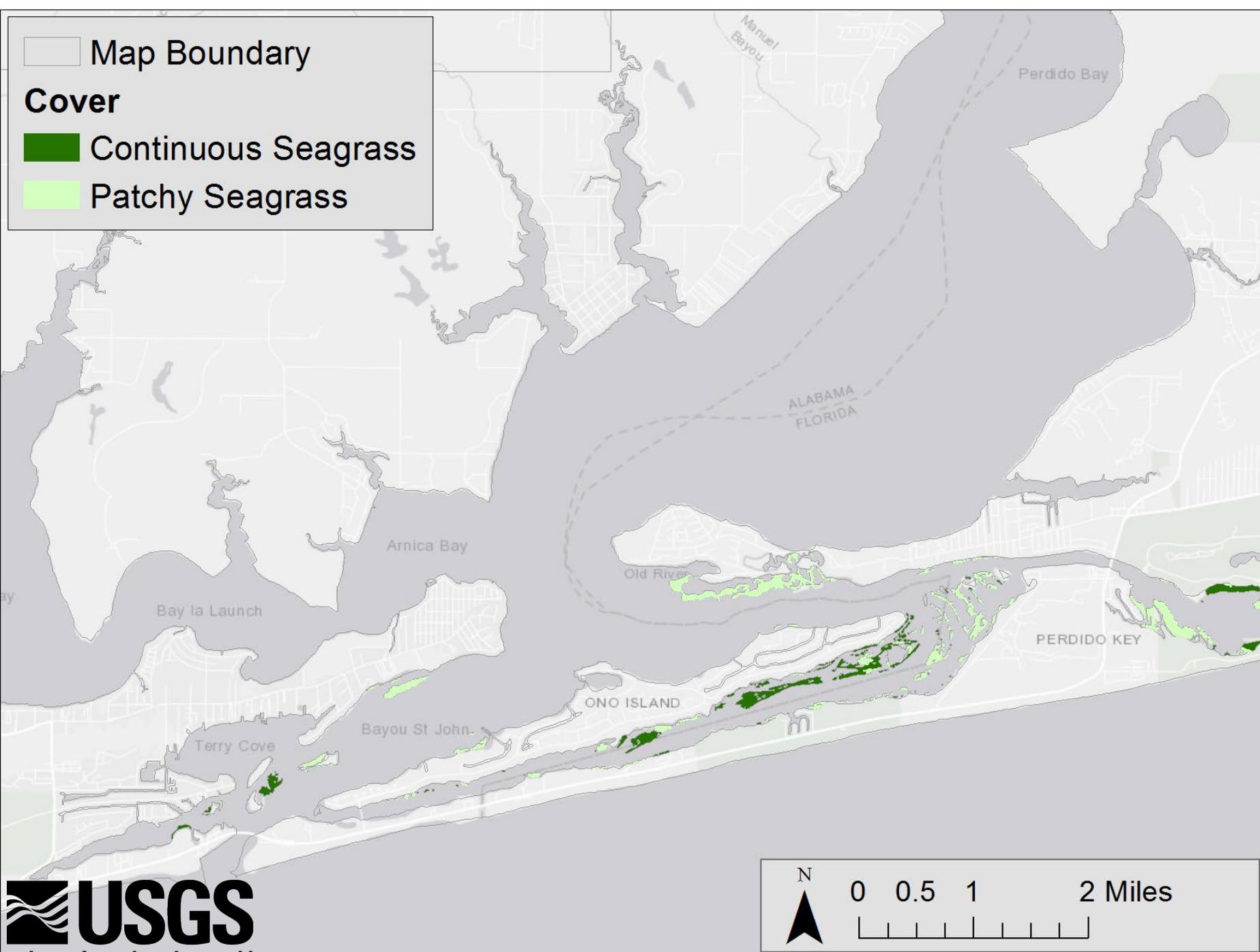
Perdido Bay *South* 1979





Perdido Bay *South* 1987





Perdido Bay *South* 1992

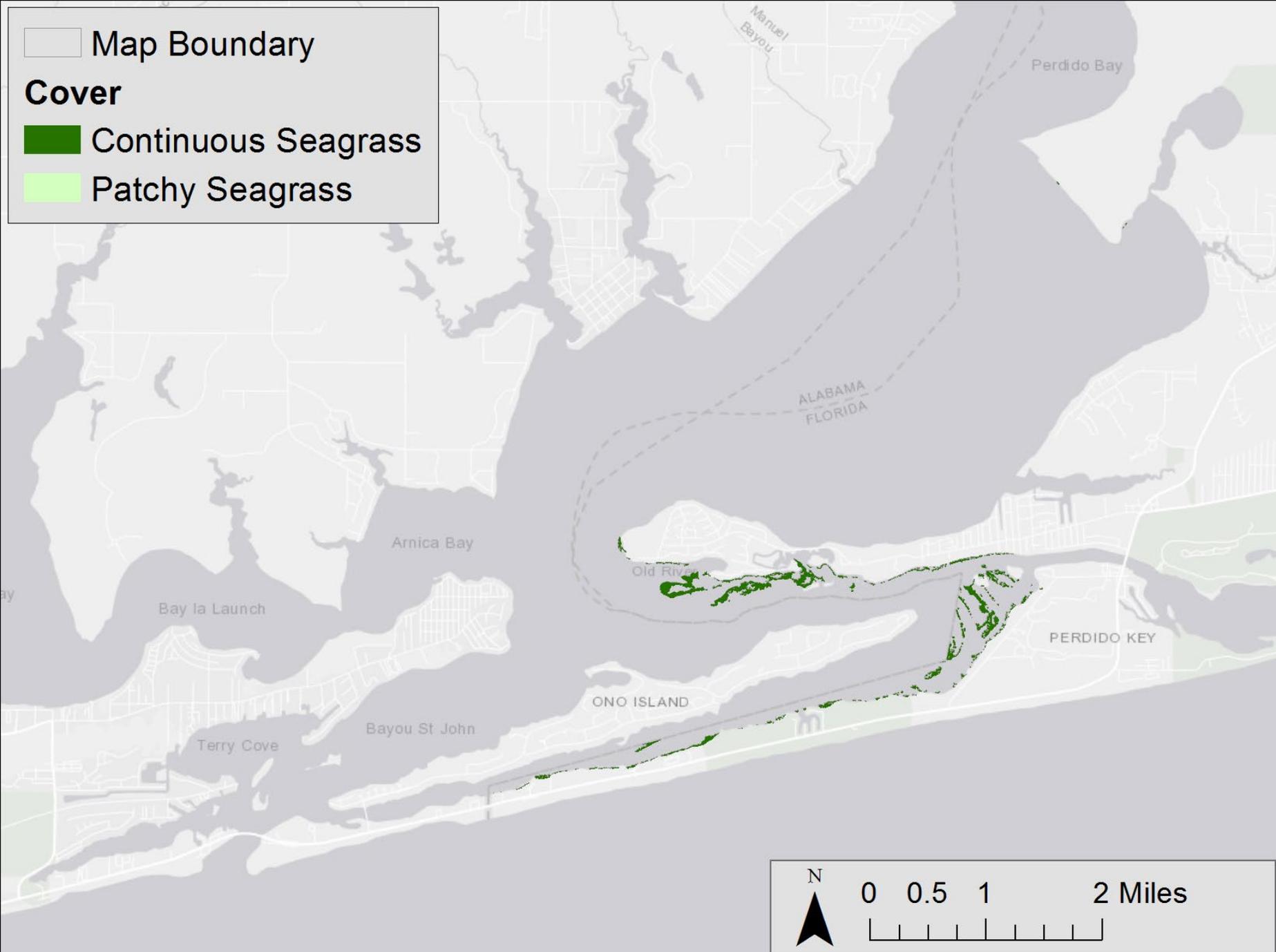


Map Boundary

Cover

Continuous Seagrass

Patchy Seagrass



Perdido Bay *South* 2002

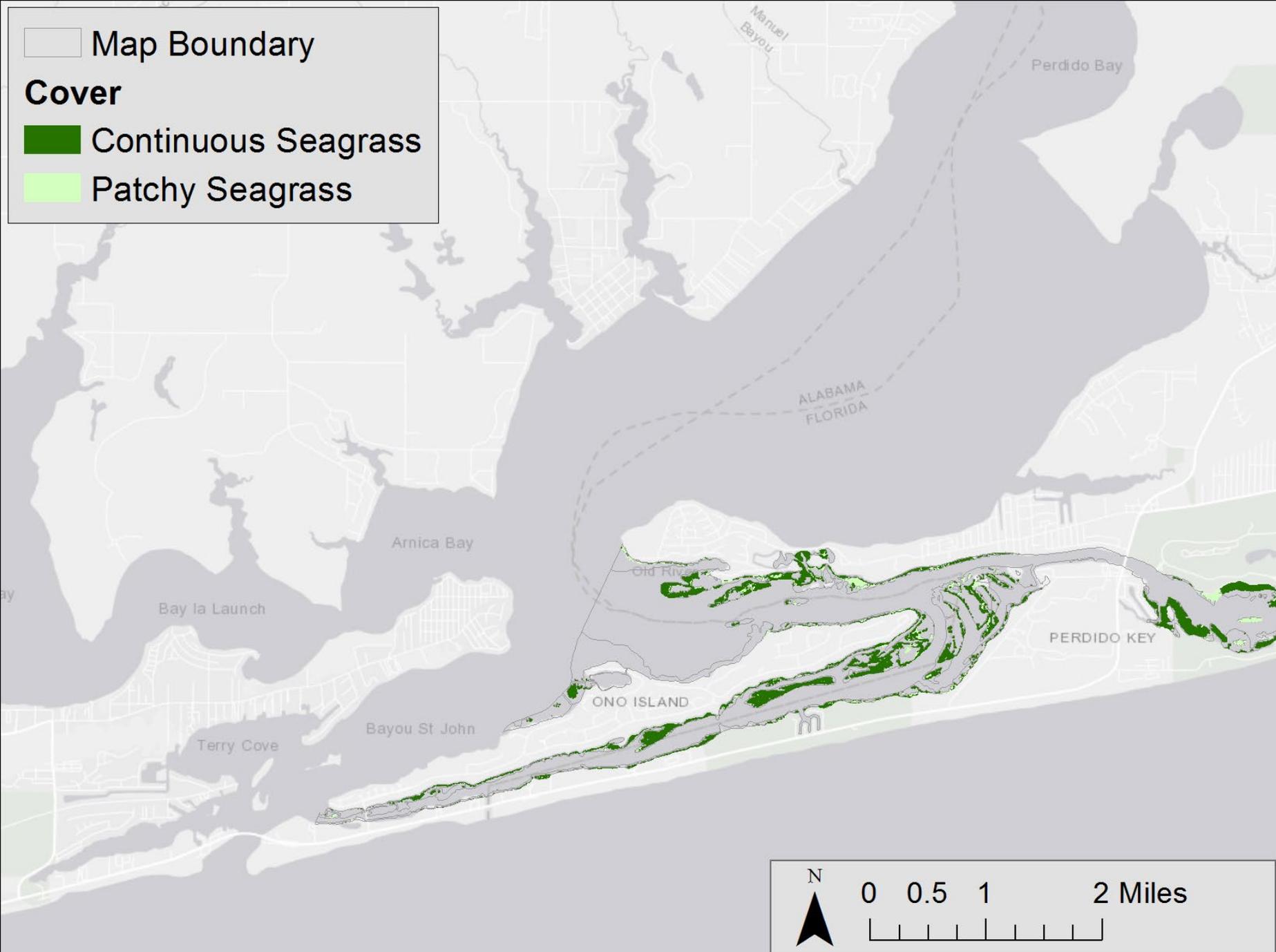


Map Boundary

Cover

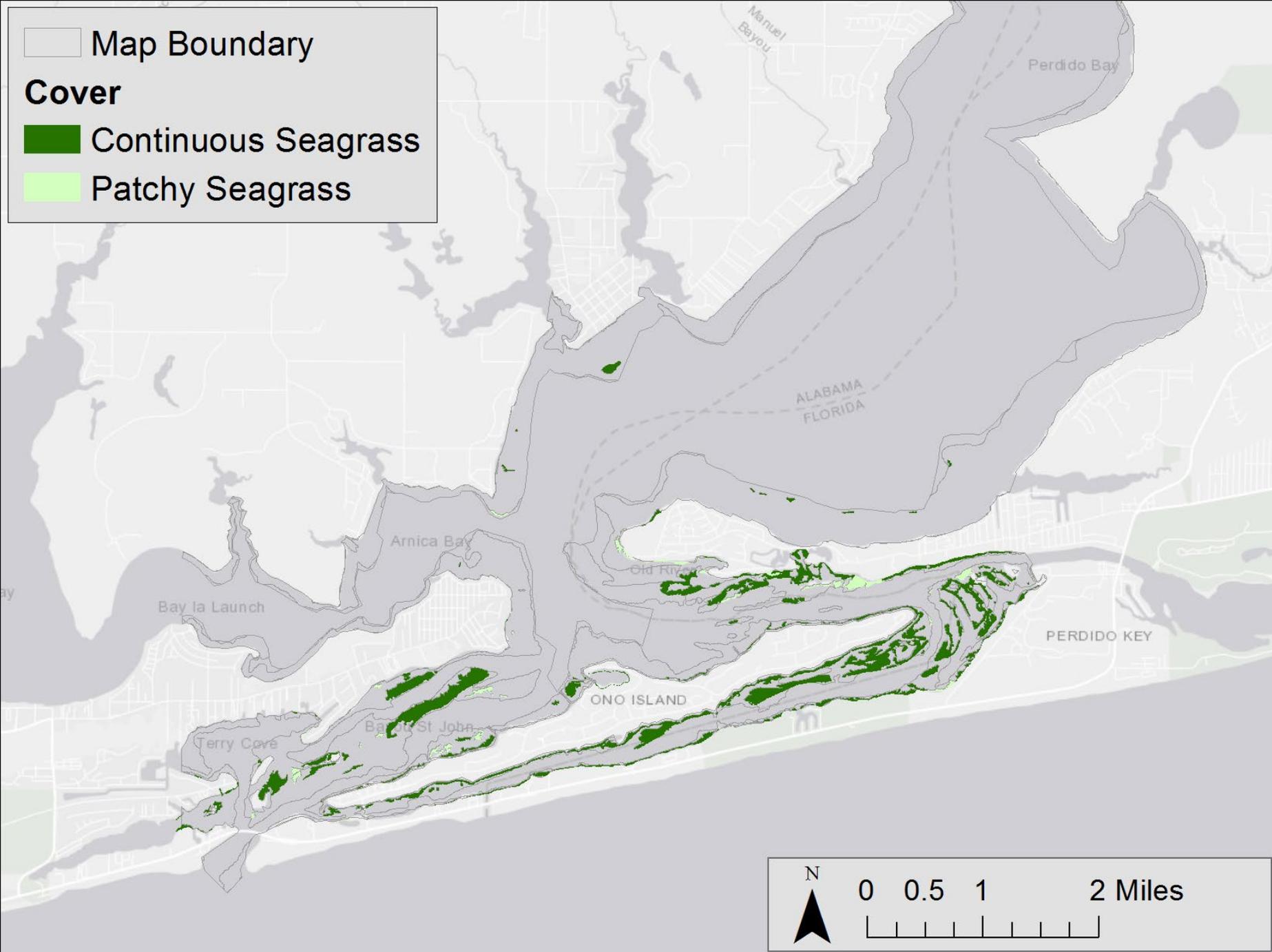
Continuous Seagrass

Patchy Seagrass



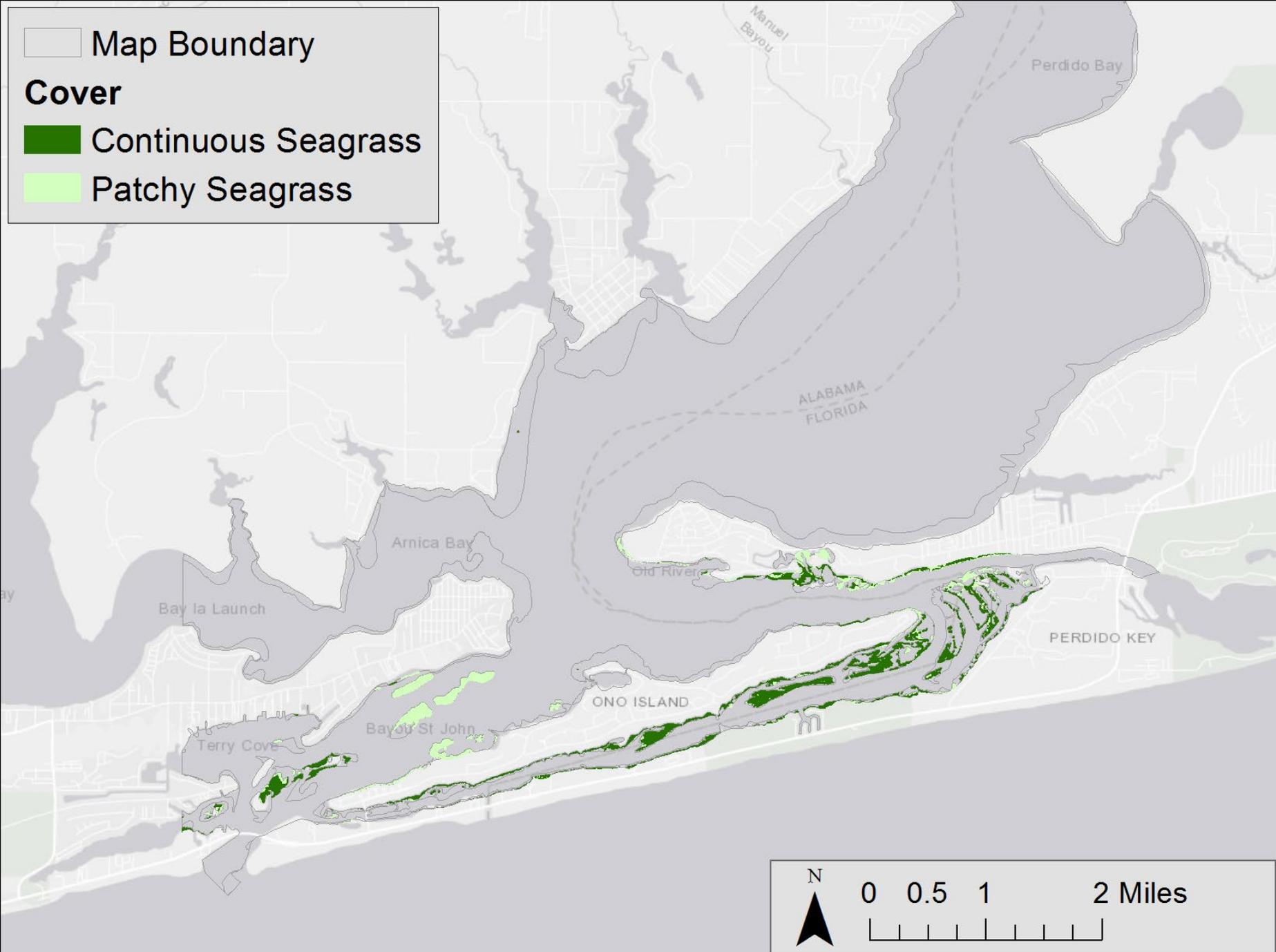
Perdido Bay *South* 2010





Perdido Bay *South* 2015





Perdido Bay *South* 2017

