

Roadblocks to Seagrass Recovery

Seagrass Recovery Potential Model for Panhandle Estuaries

Seagrass Cover

Pensacola Bay Region



What These Data Show

Description:

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

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.

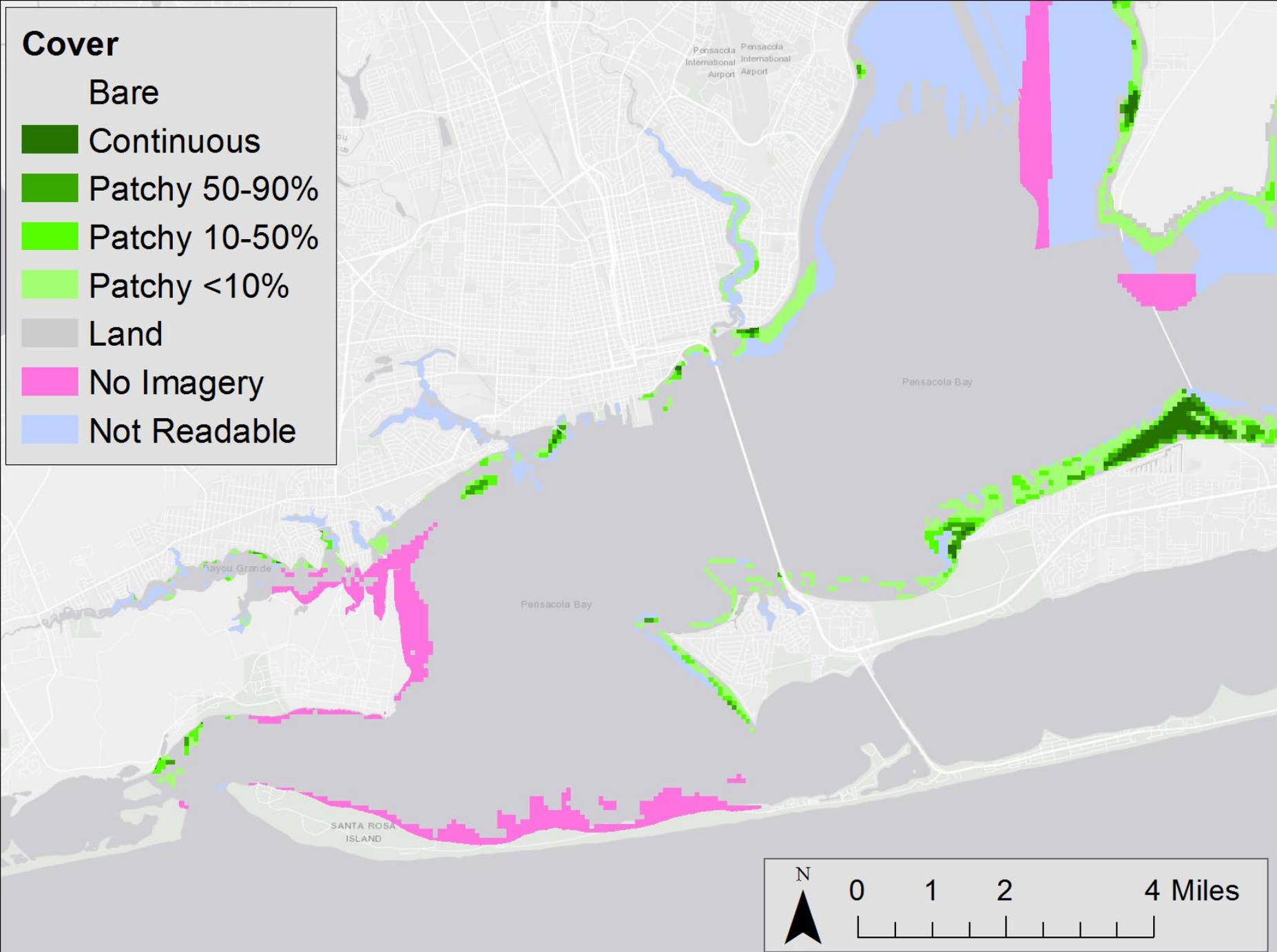
Credits:

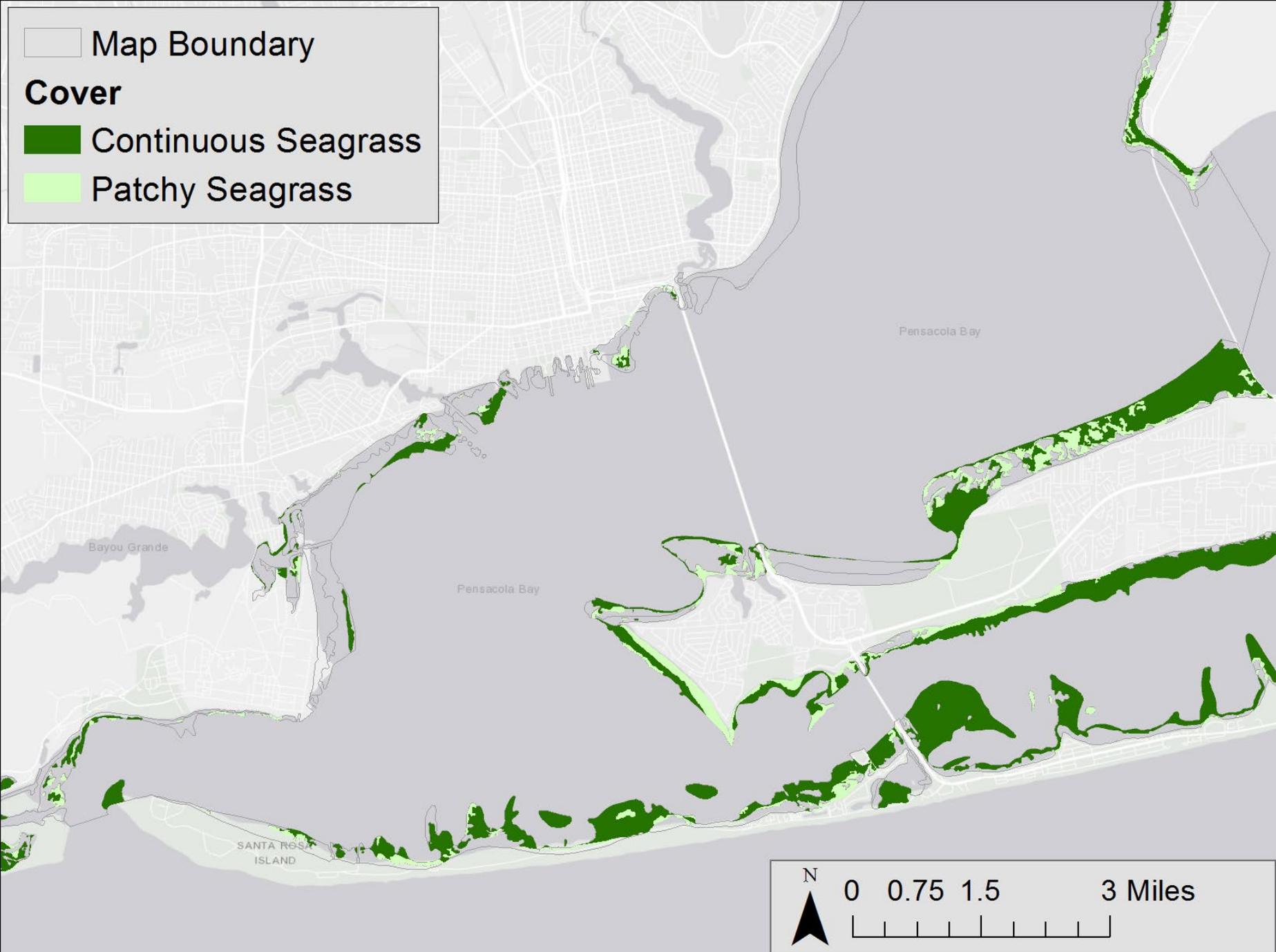
This project was funded through the National Fish and Wildlife Foundation Gulf Environmental Benefit Fund.

Attributes/Source

Year	Imagery	Map
1940	U.S. Department of Agriculture	Fish and Wildlife Research Institute
1955	U.S. Department of Agriculture	Quantum Spatial Inc.
1960	U.S. Department of Agriculture	U.S. Geological Survey
1970	U.S. Department of Agriculture	Fish and Wildlife Research Institute
1992	National Aeronautics and Space Administration	U.S. Geological Survey
2003	Aerial Cartographics of America Inc.	U.S. Geological Survey
2010	Aerometric Surveys	PhotoScience Inc.
2015	National Agriculture Imagery Program	Dewberry Inc.
2017	National Agriculture Imagery Program	Quantum Spatial Inc.

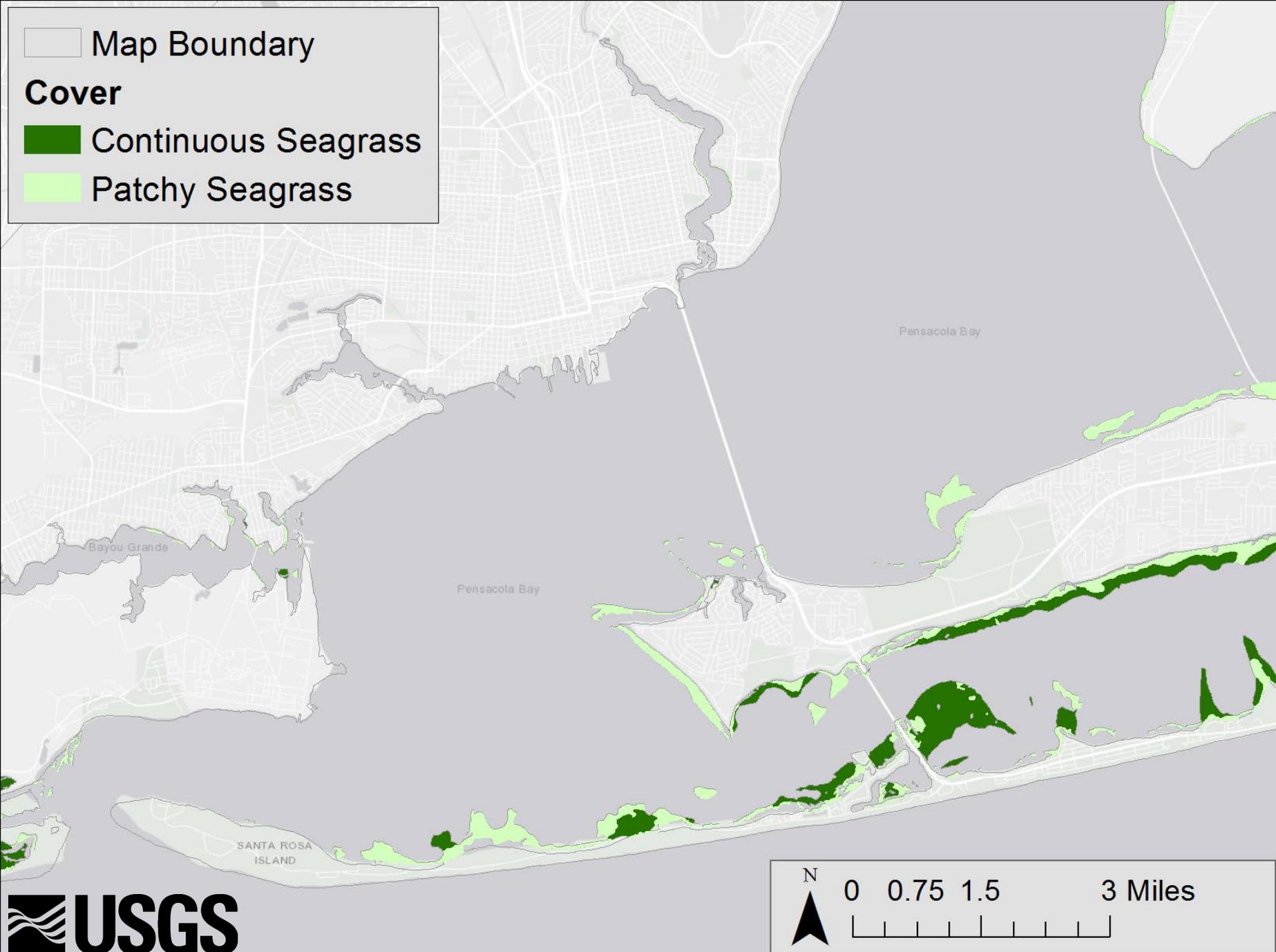
South Pensacola Bay 1940





South Pensacola Bay 1955



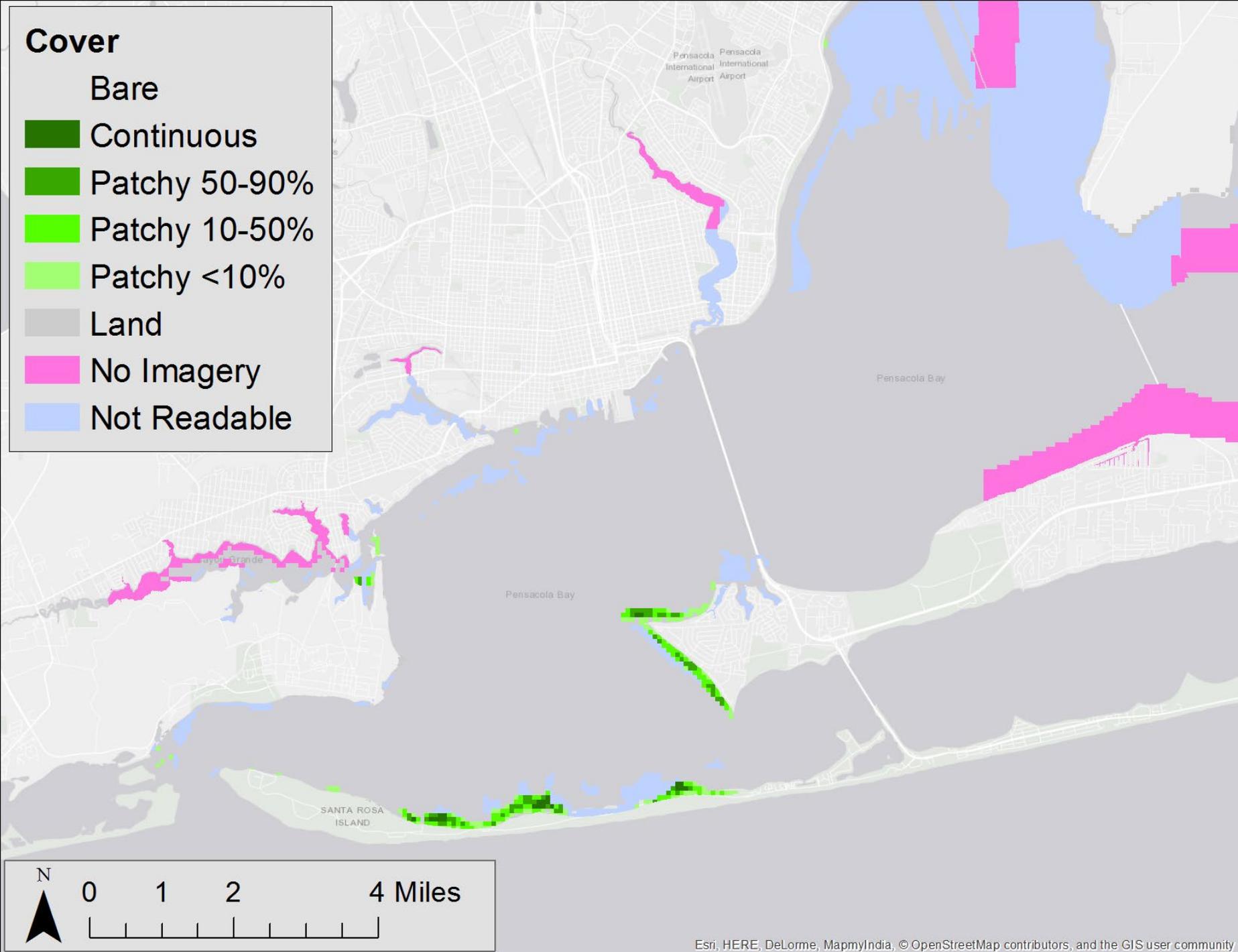


South Pensacola Bay 1960



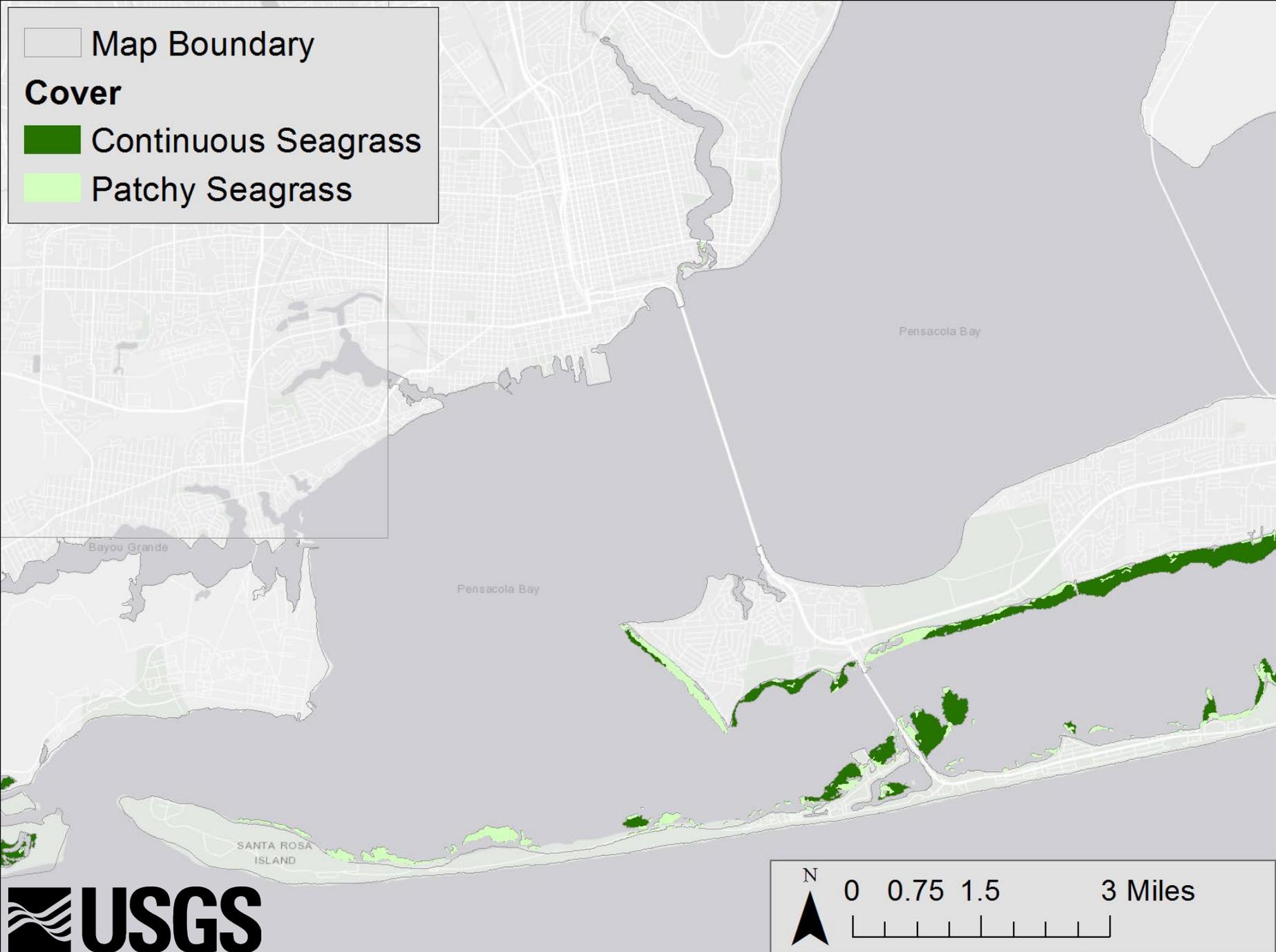
Cover

- Bare
- Continuous
- Patchy 50-90%
- Patchy 10-50%
- Patchy <10%
- Land
- No Imagery
- Not Readable



South Pensacola Bay 1970

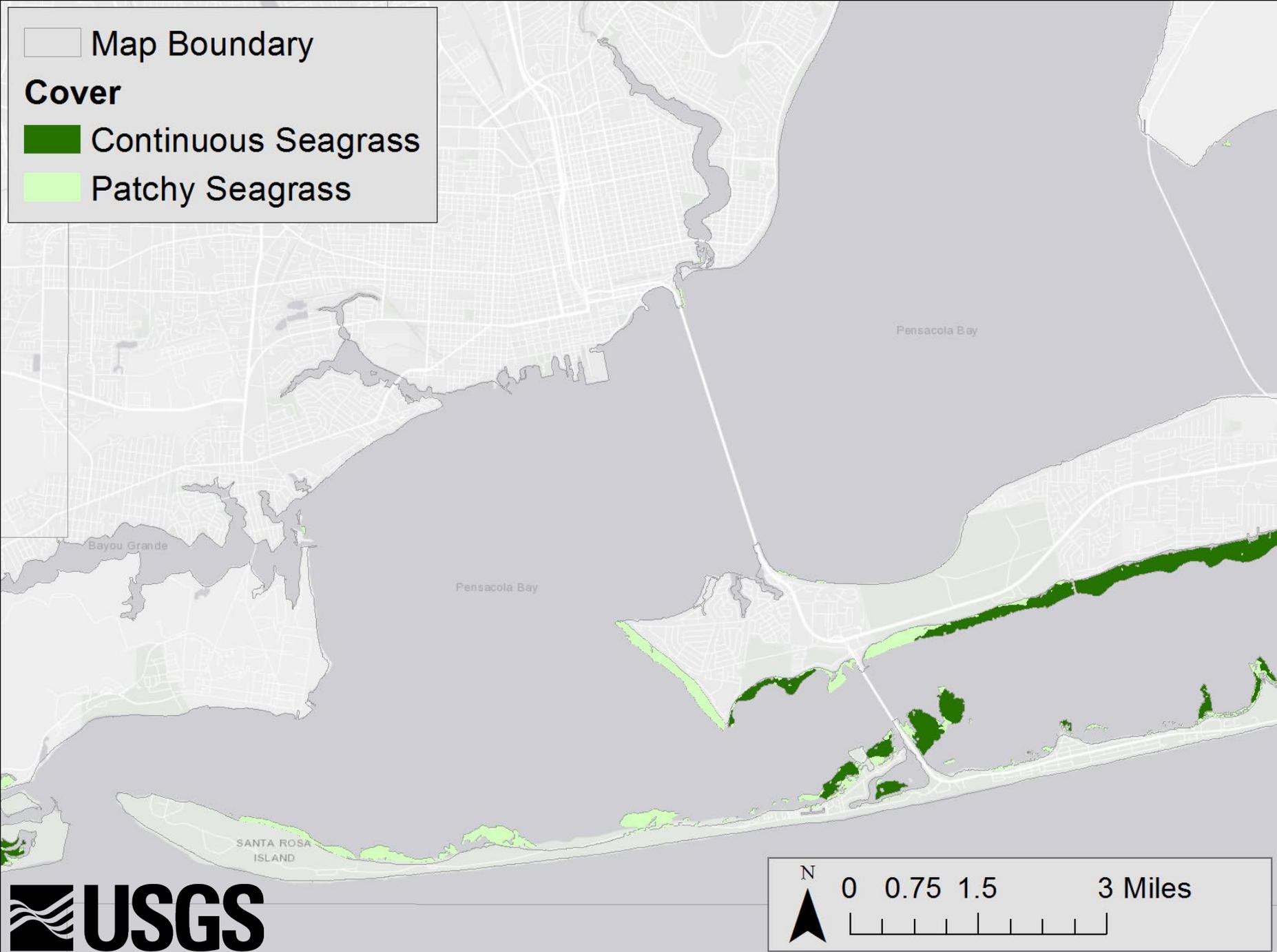


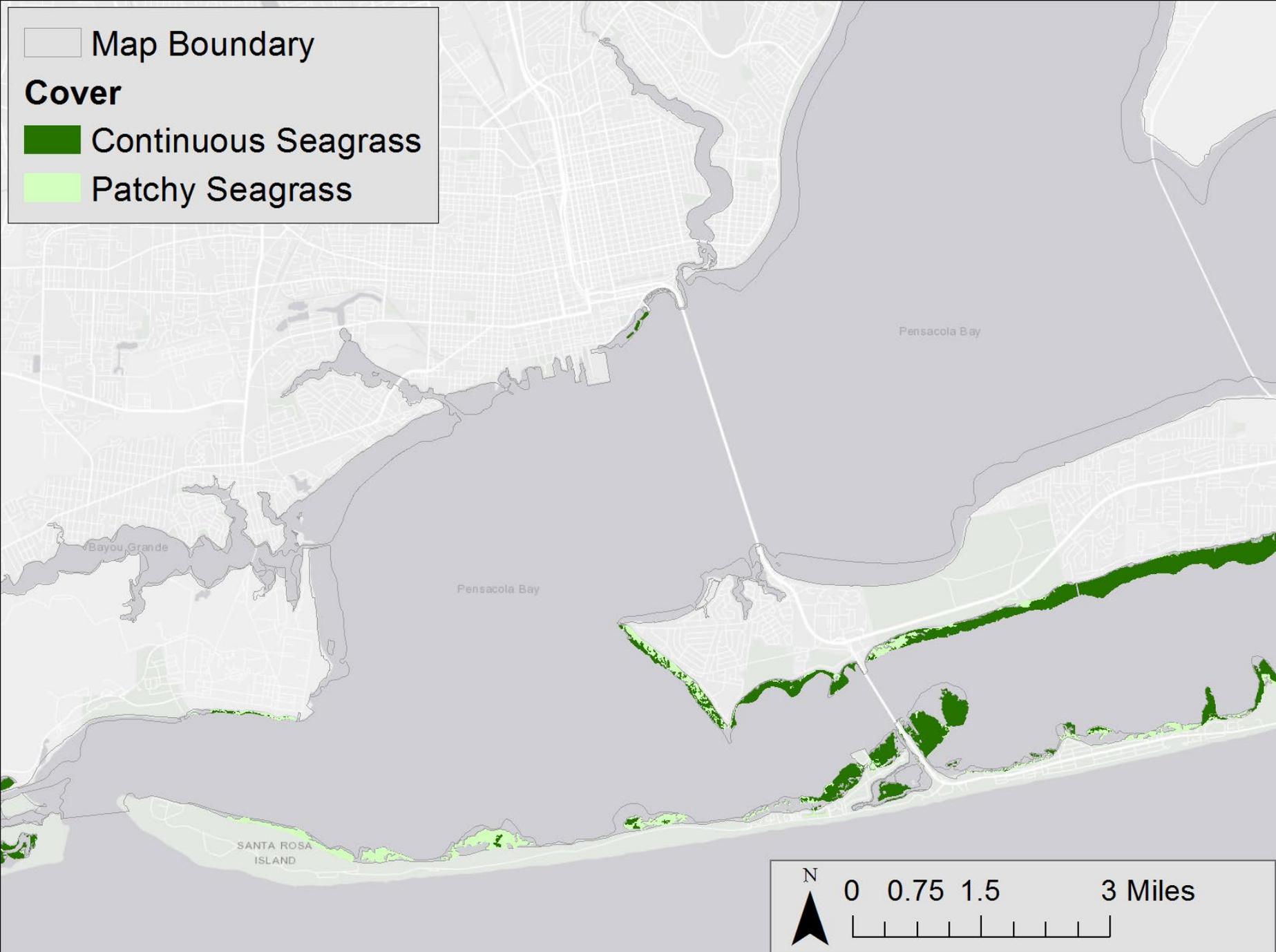


South Pensacola Bay 1992



South Pensacola Bay 2003





South Pensacola Bay 2010

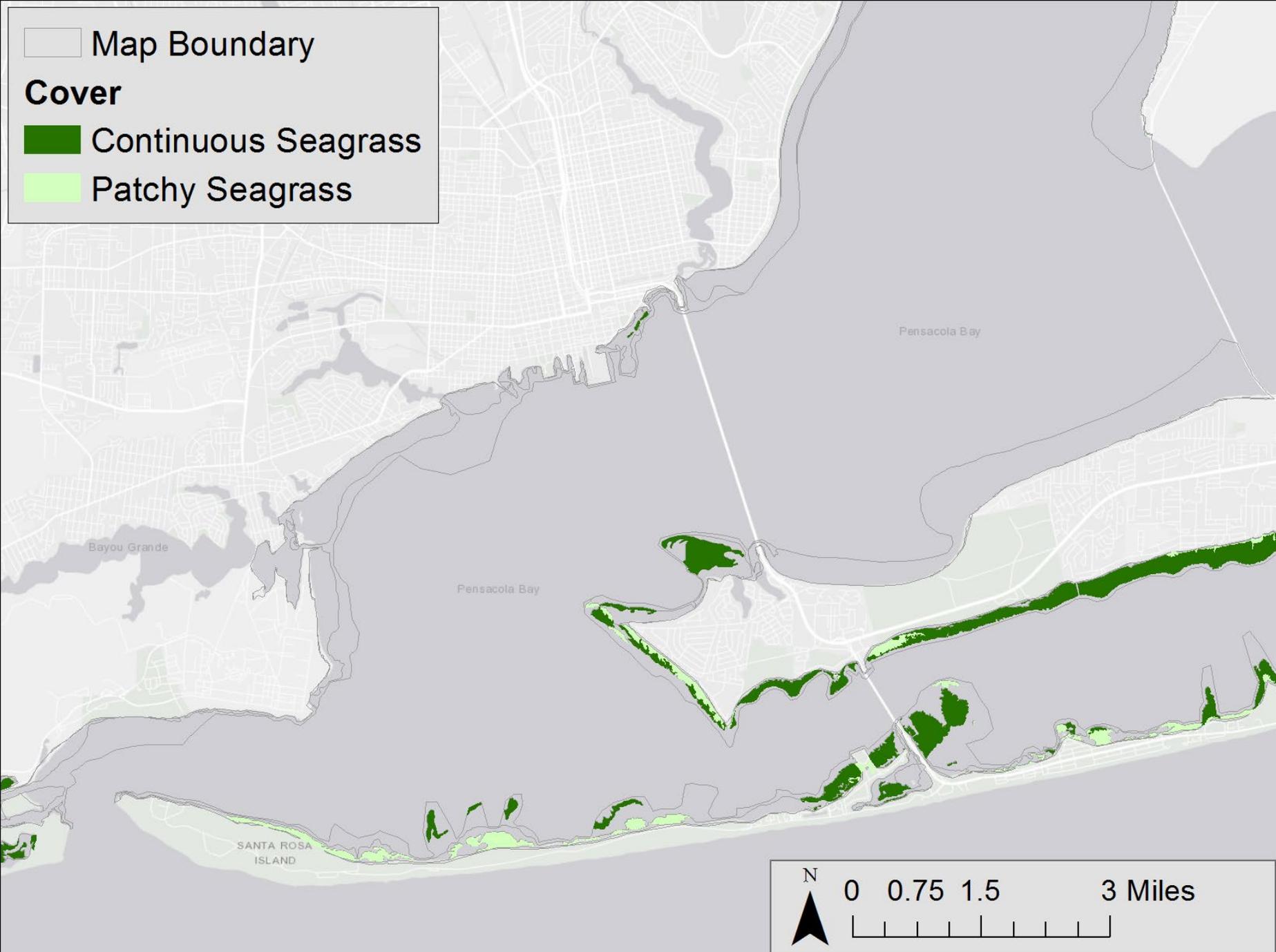


Map Boundary

Cover

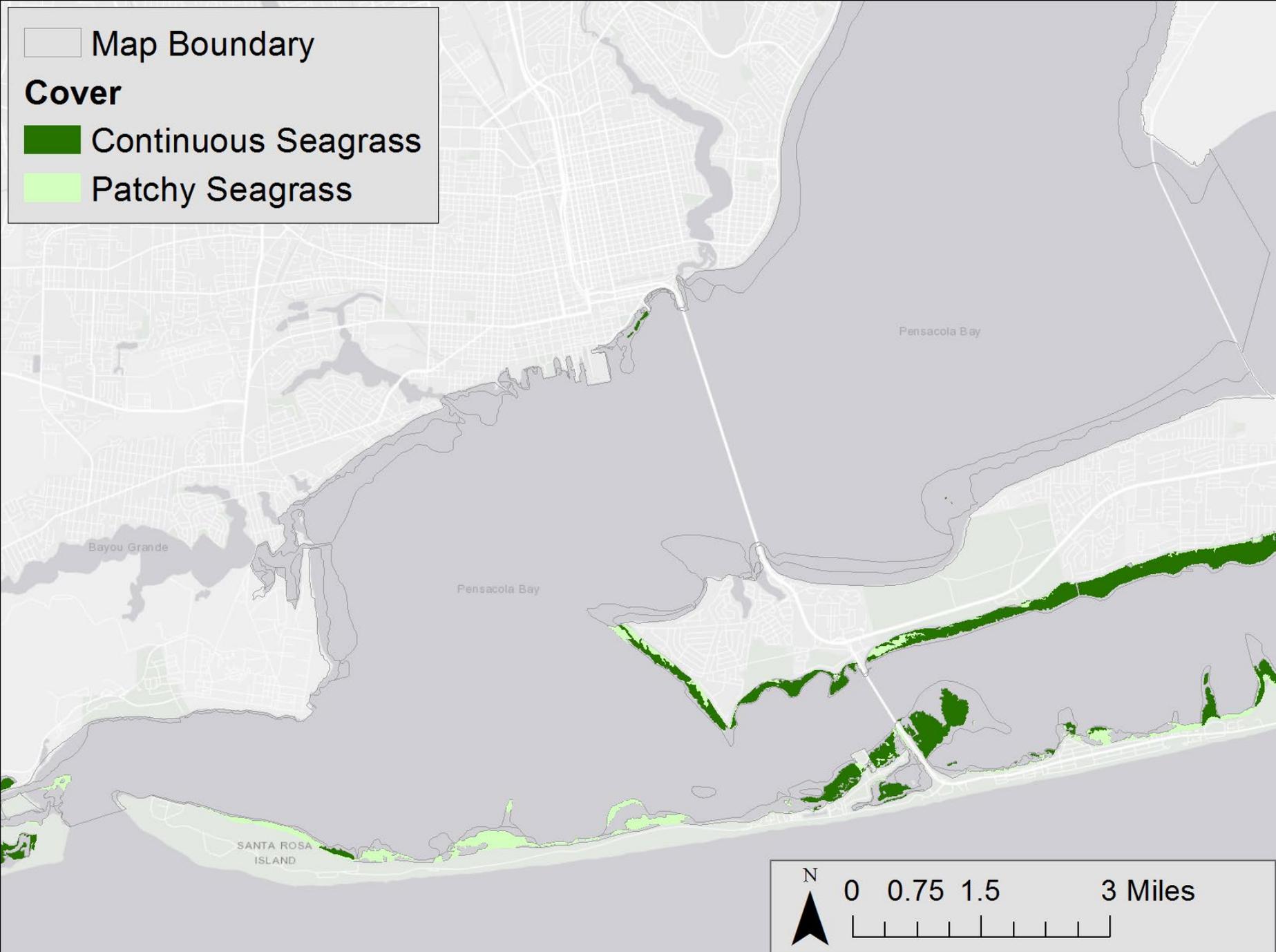
Continuous Seagrass

Patchy Seagrass



South Pensacola Bay 2015

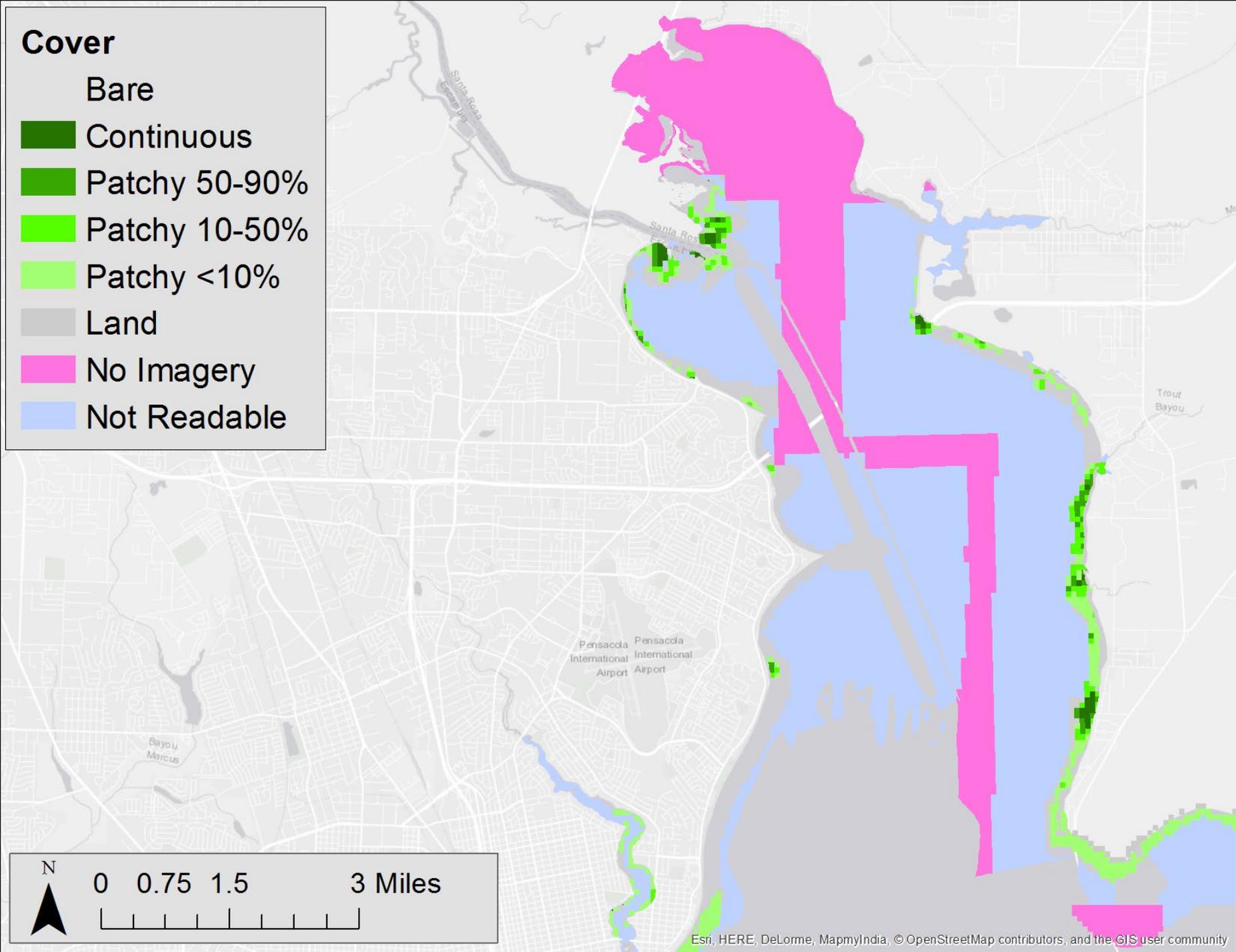


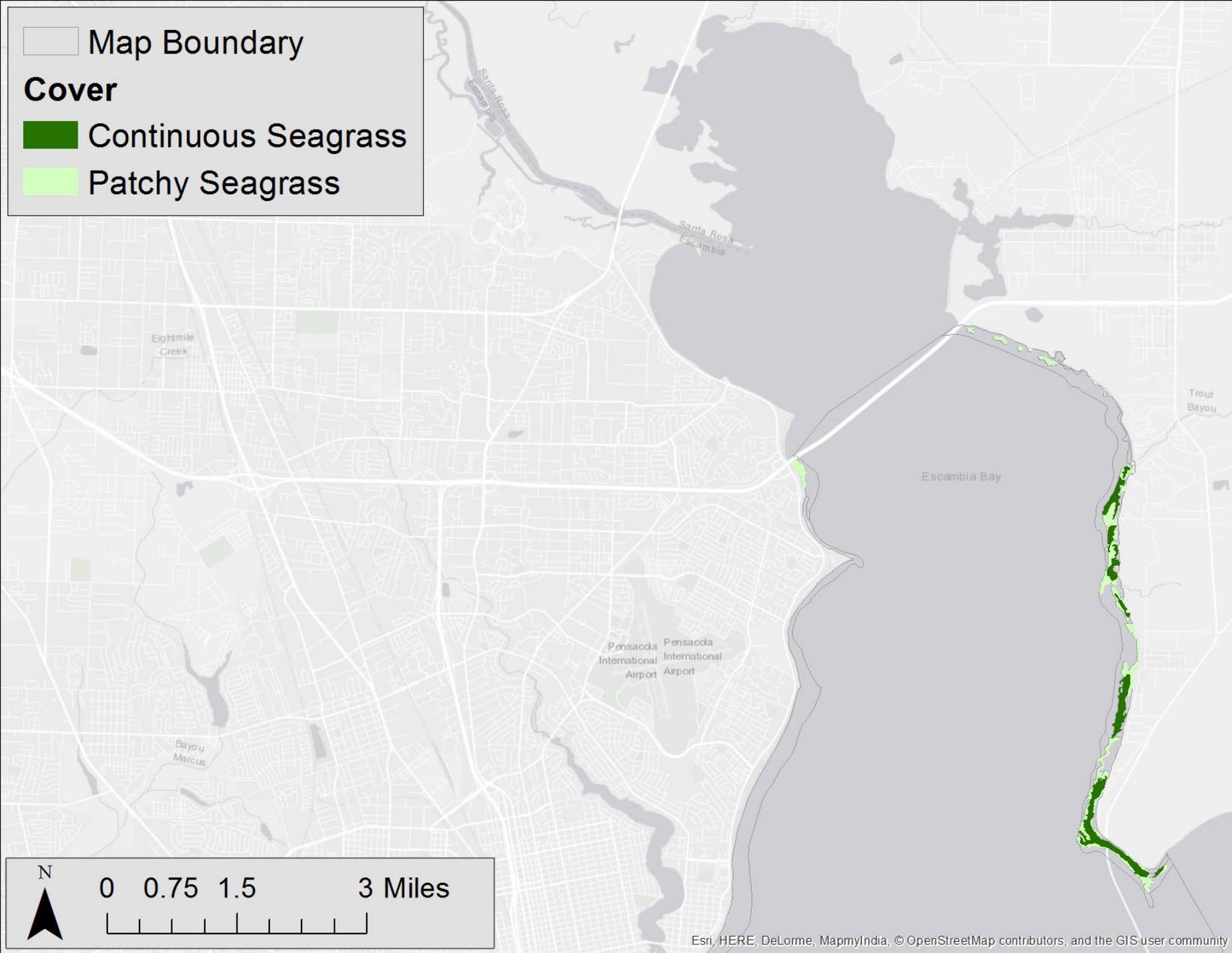


South Pensacola Bay 2017



Escambia Bay 1940

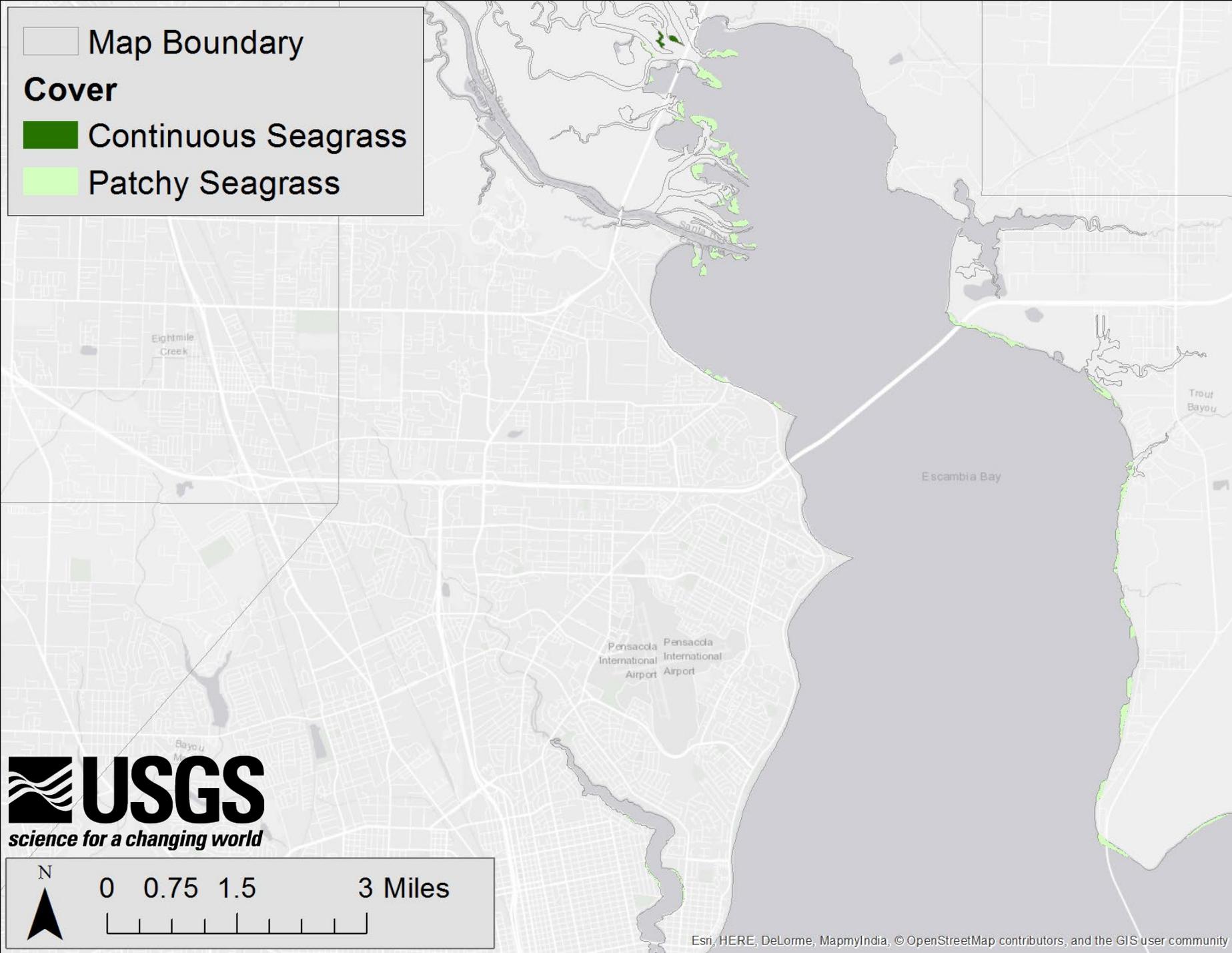




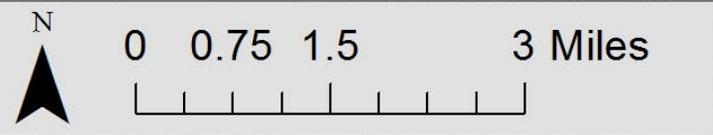
Escambia Bay 1955



Map Boundary
Cover
 Continuous Seagrass
 Patchy Seagrass



Escambia Bay 1960

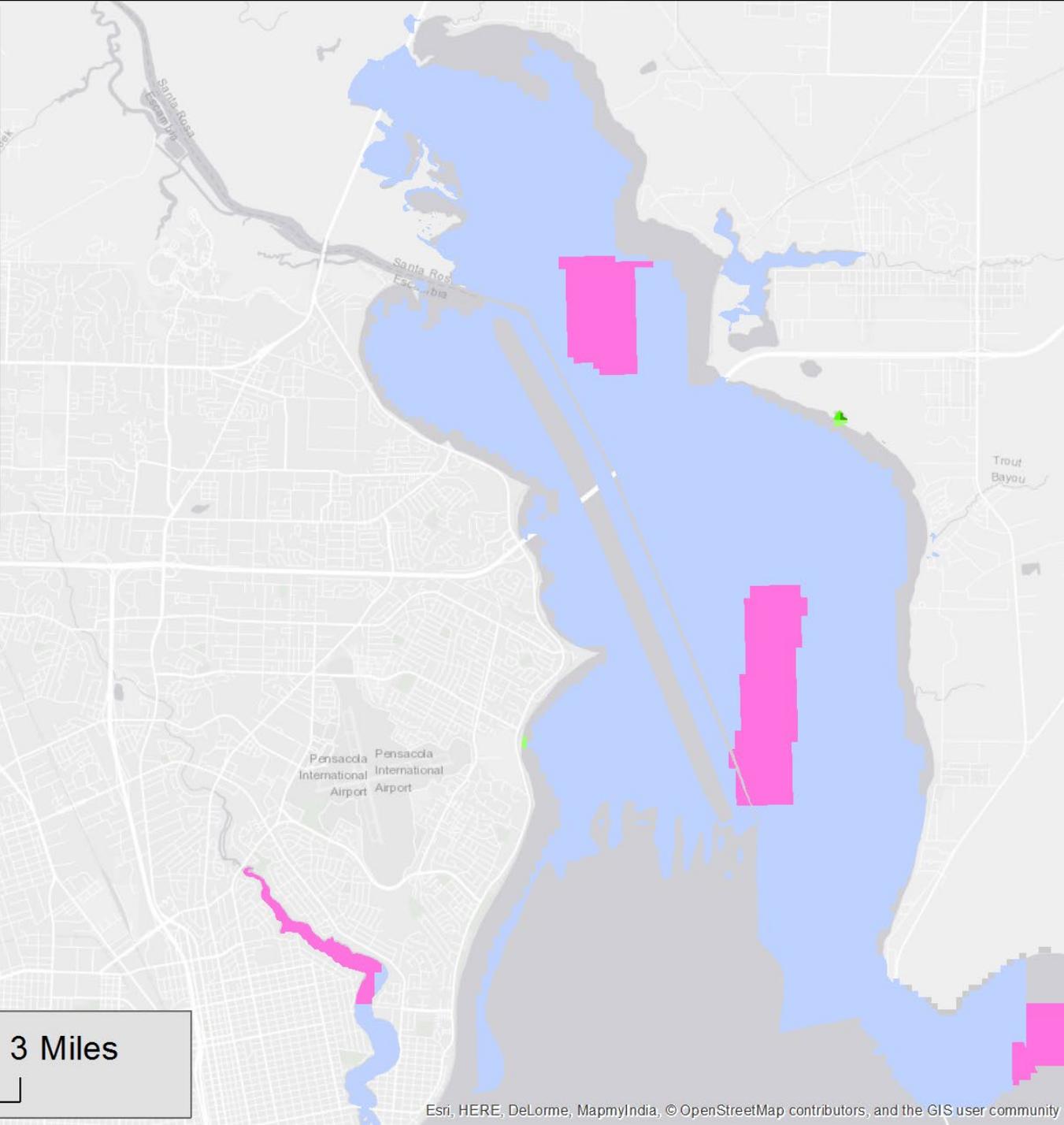


Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community



Cover

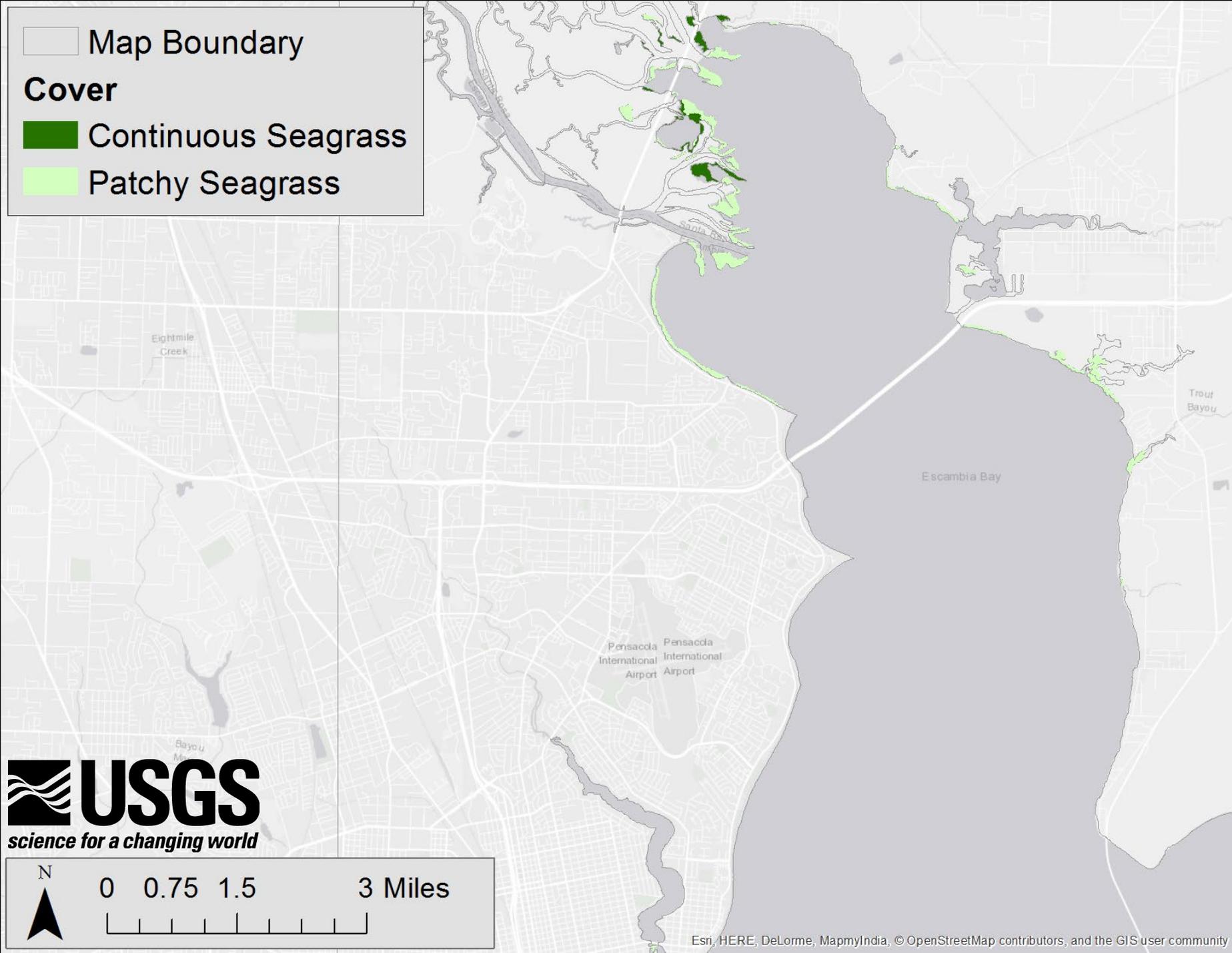
- Bare
- Continuous
- Patchy 50-90%
- Patchy 10-50%
- Patchy <10%
- Land
- No Imagery
- Not Readable



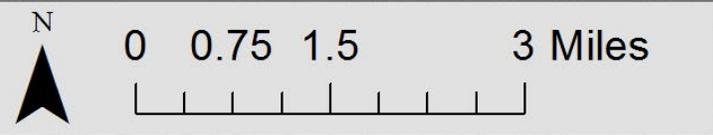
Escambia Bay 1970



Map Boundary
Cover
 Continuous Seagrass
 Patchy Seagrass



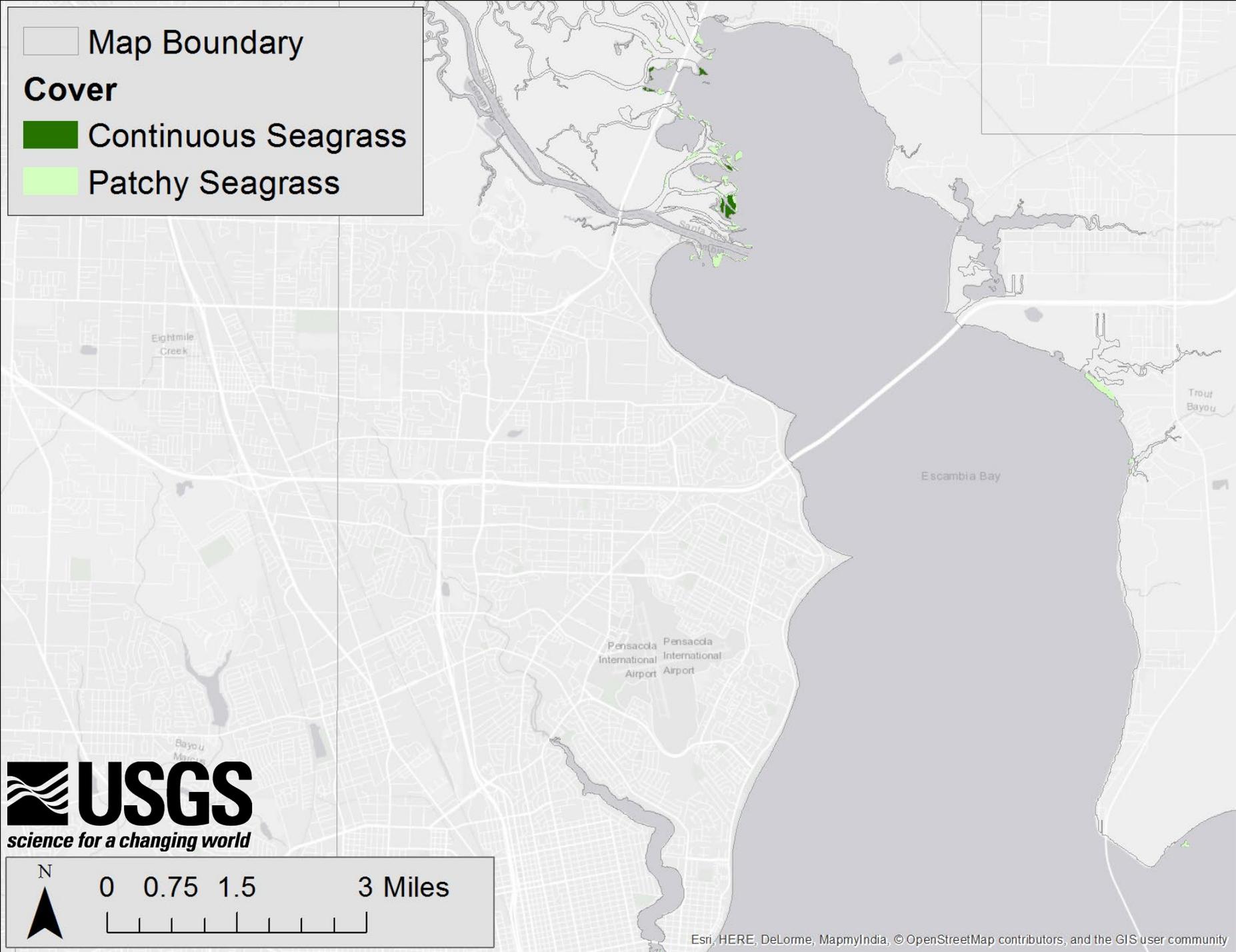
Escambia Bay 1992

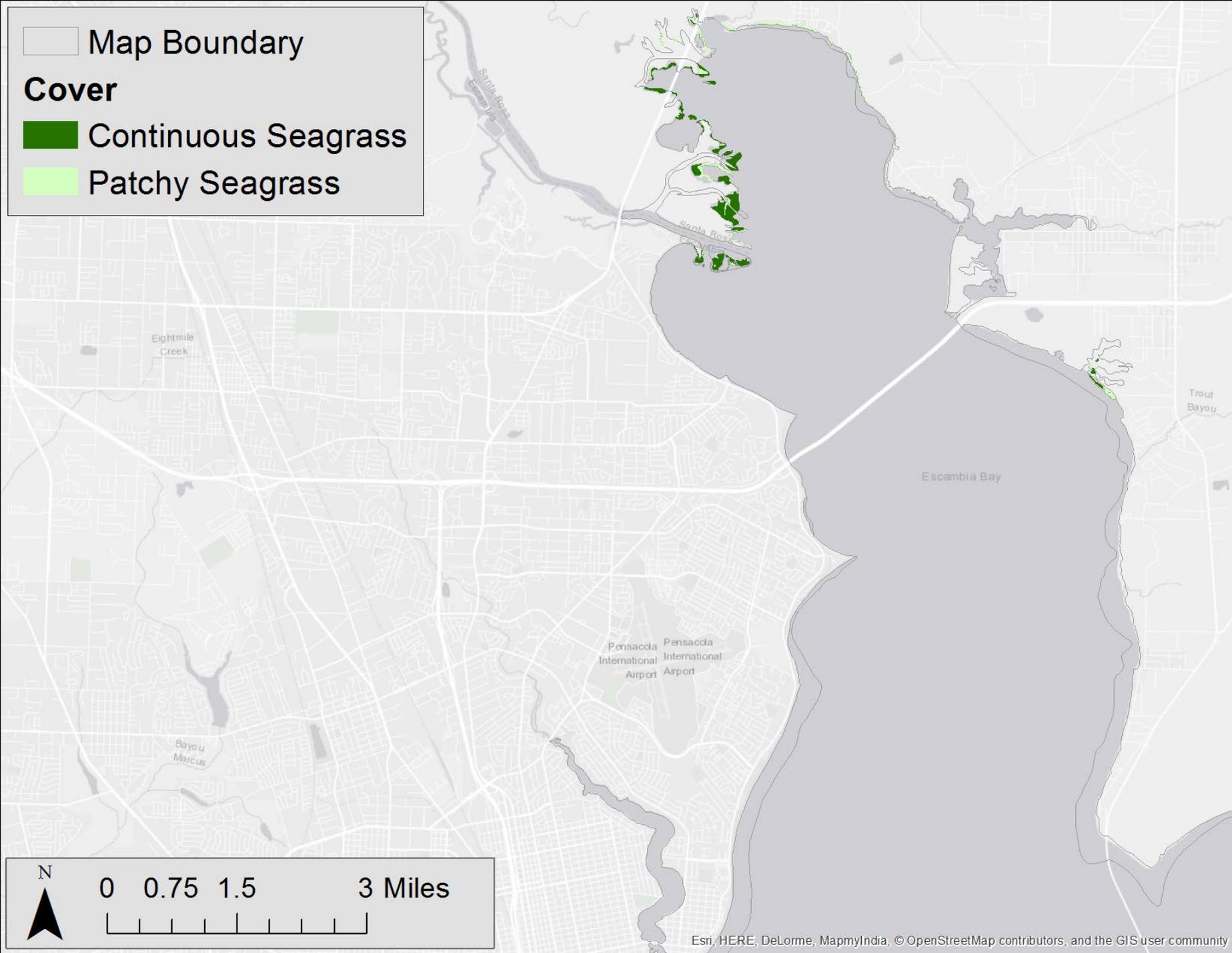


Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community



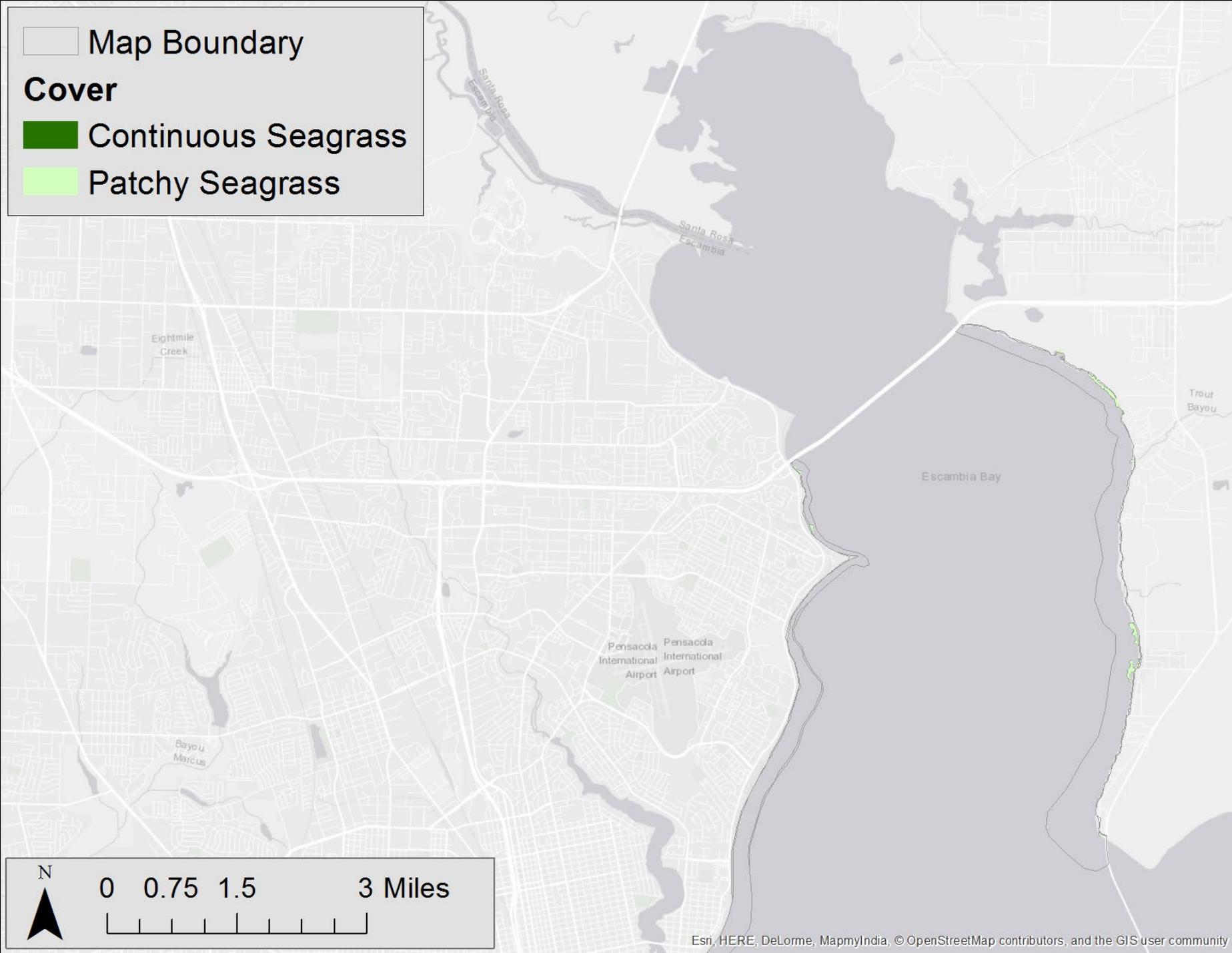
Escambia Bay 2003





Escambia Bay 2010

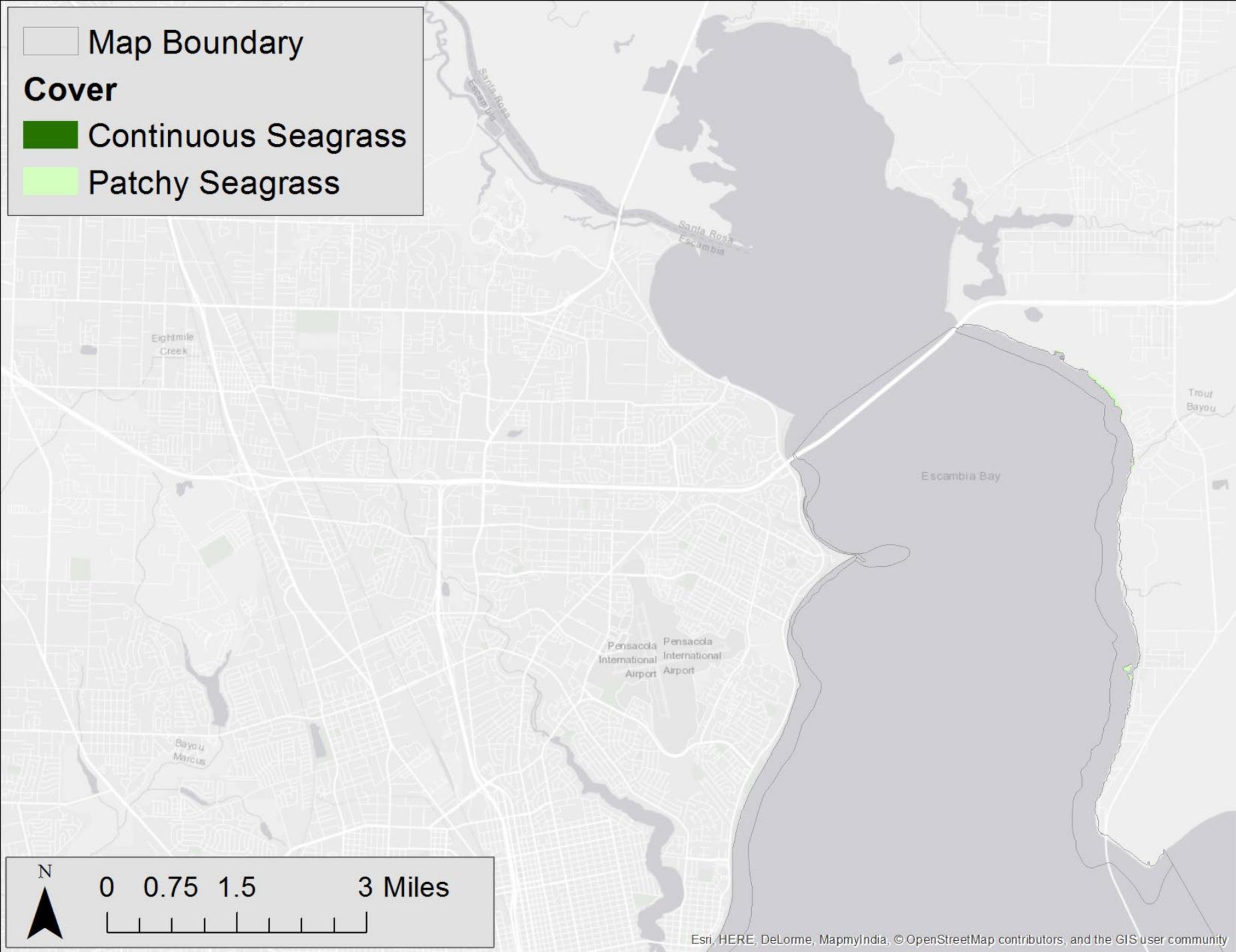


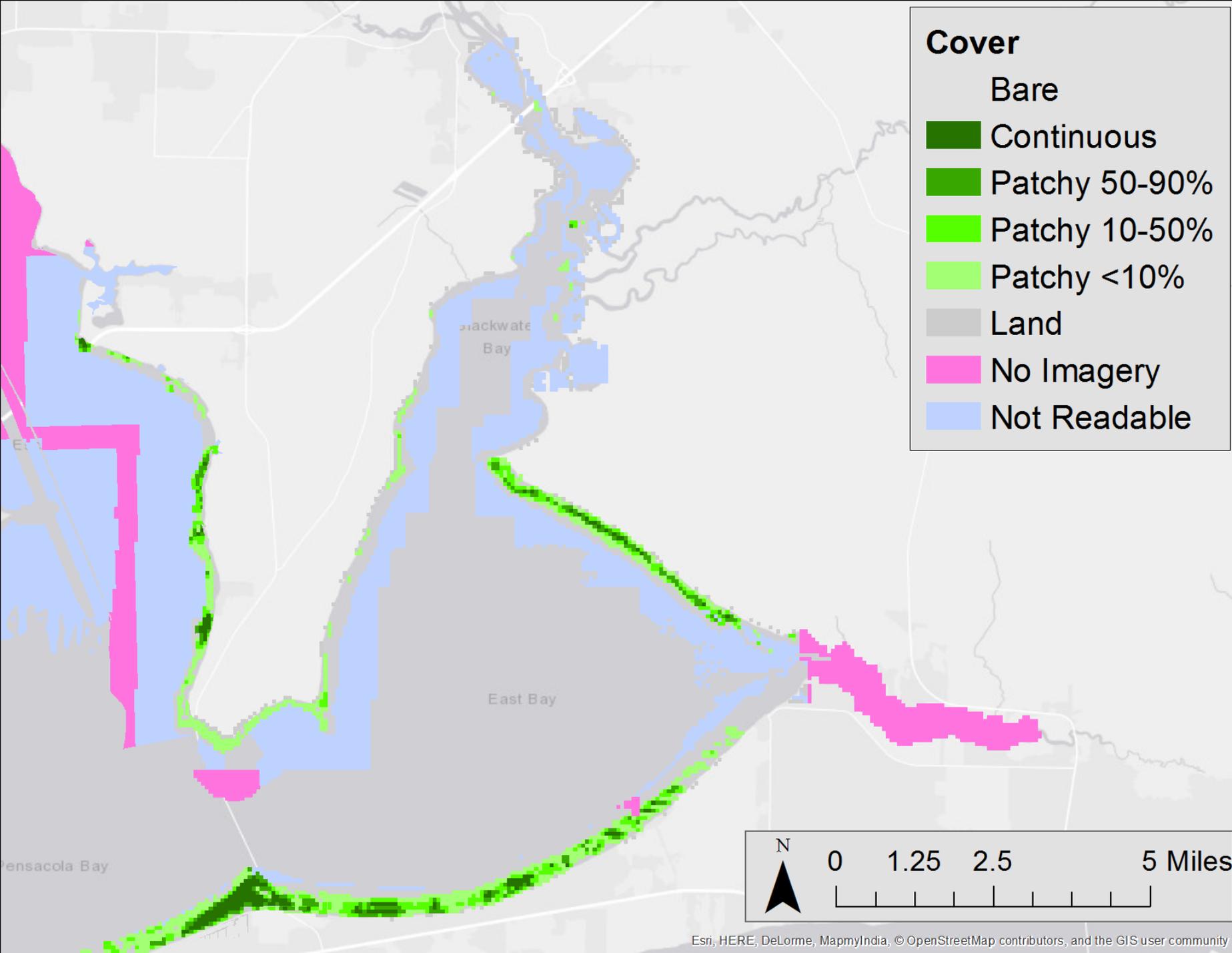


Escambia Bay 2015



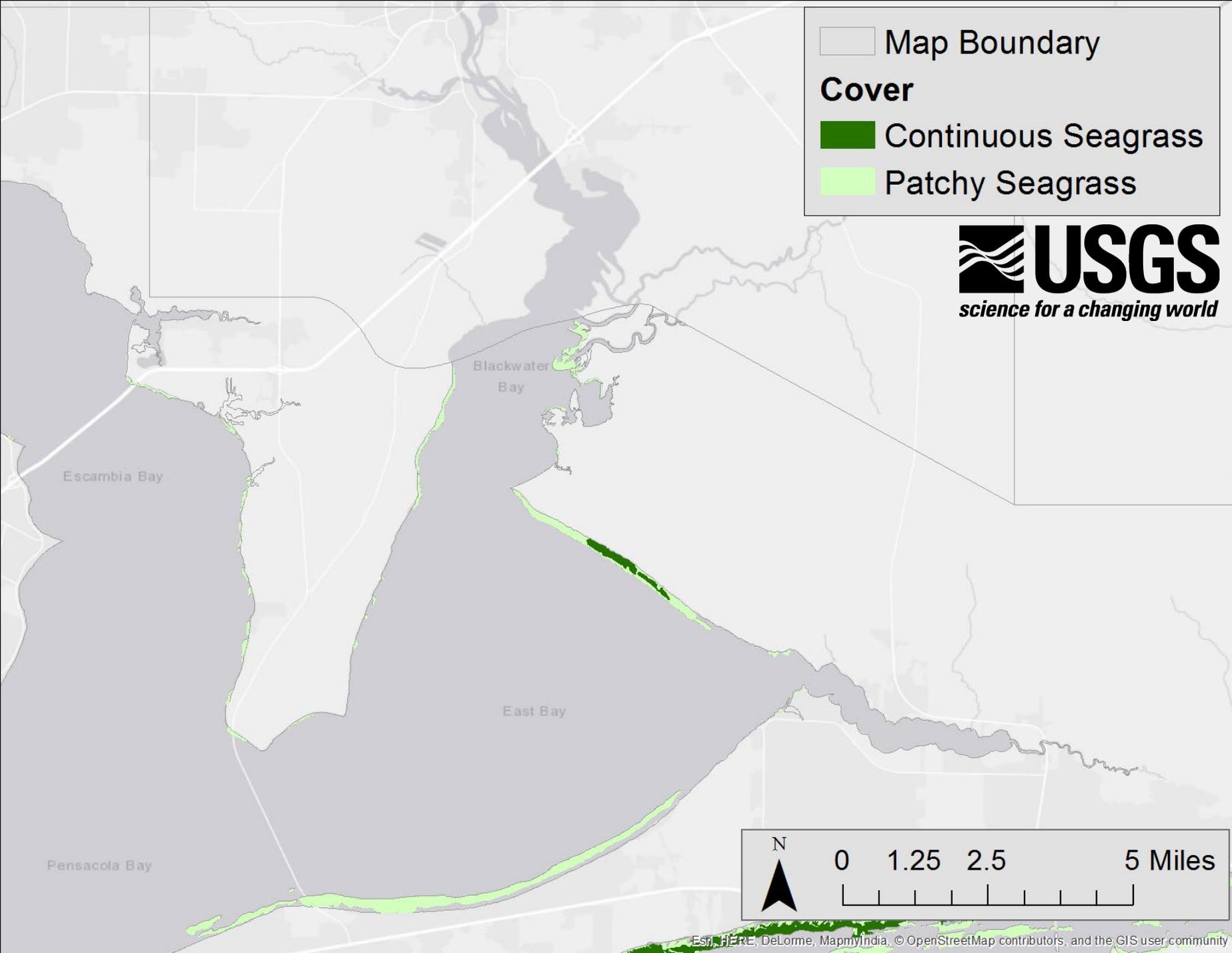
Escambia Bay 2017





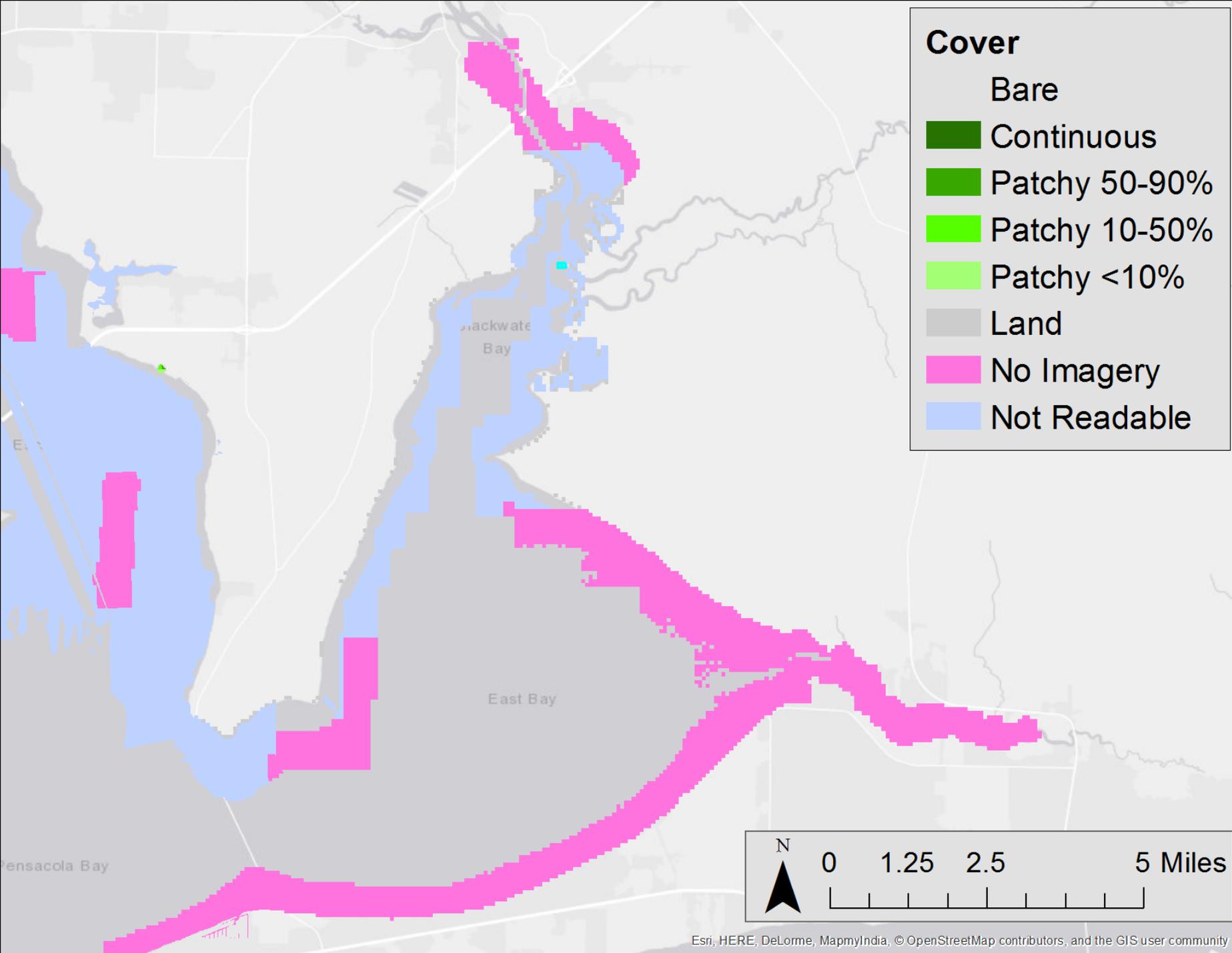
East Pensacola Bay 1940





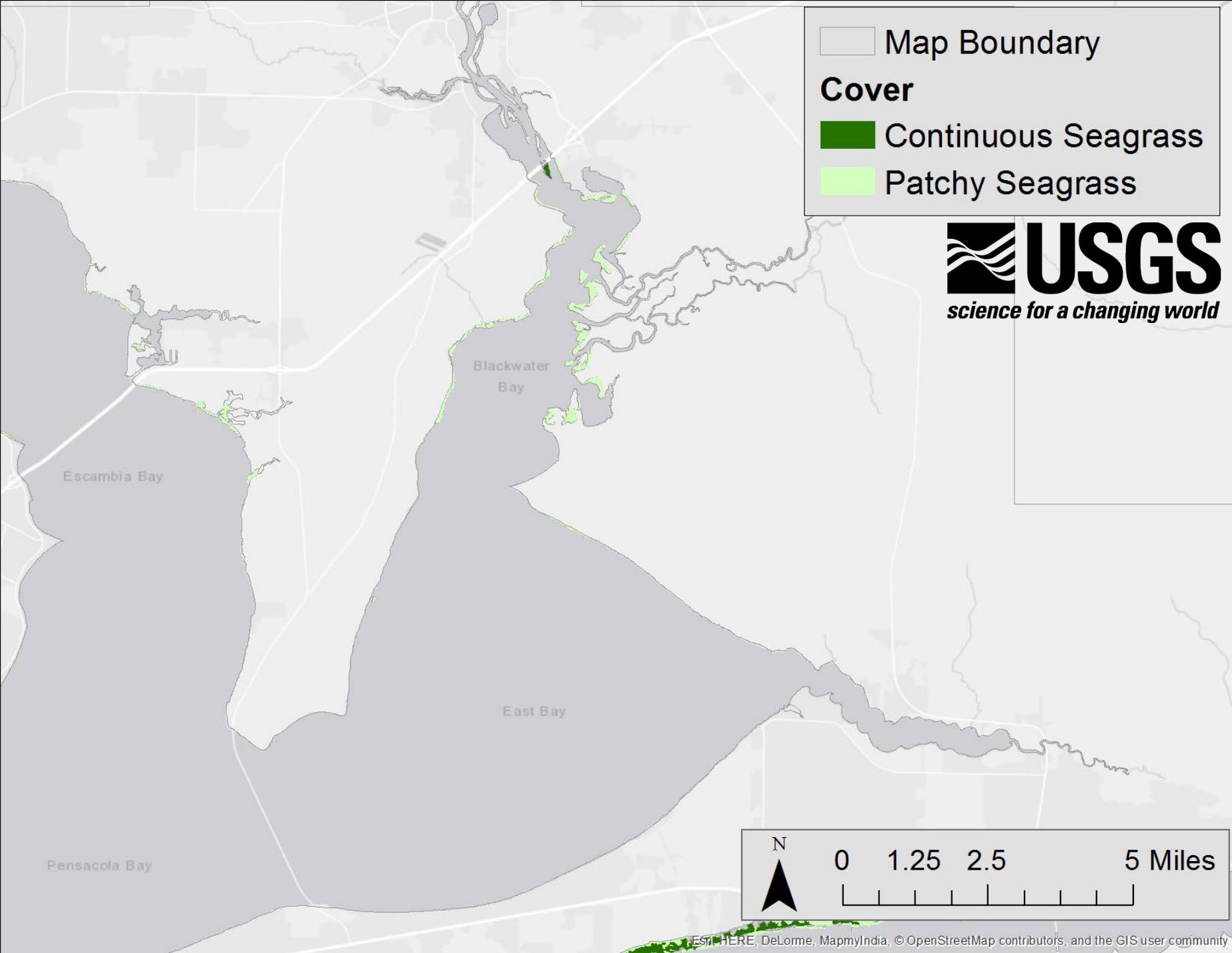
East Pensacola Bay 1960





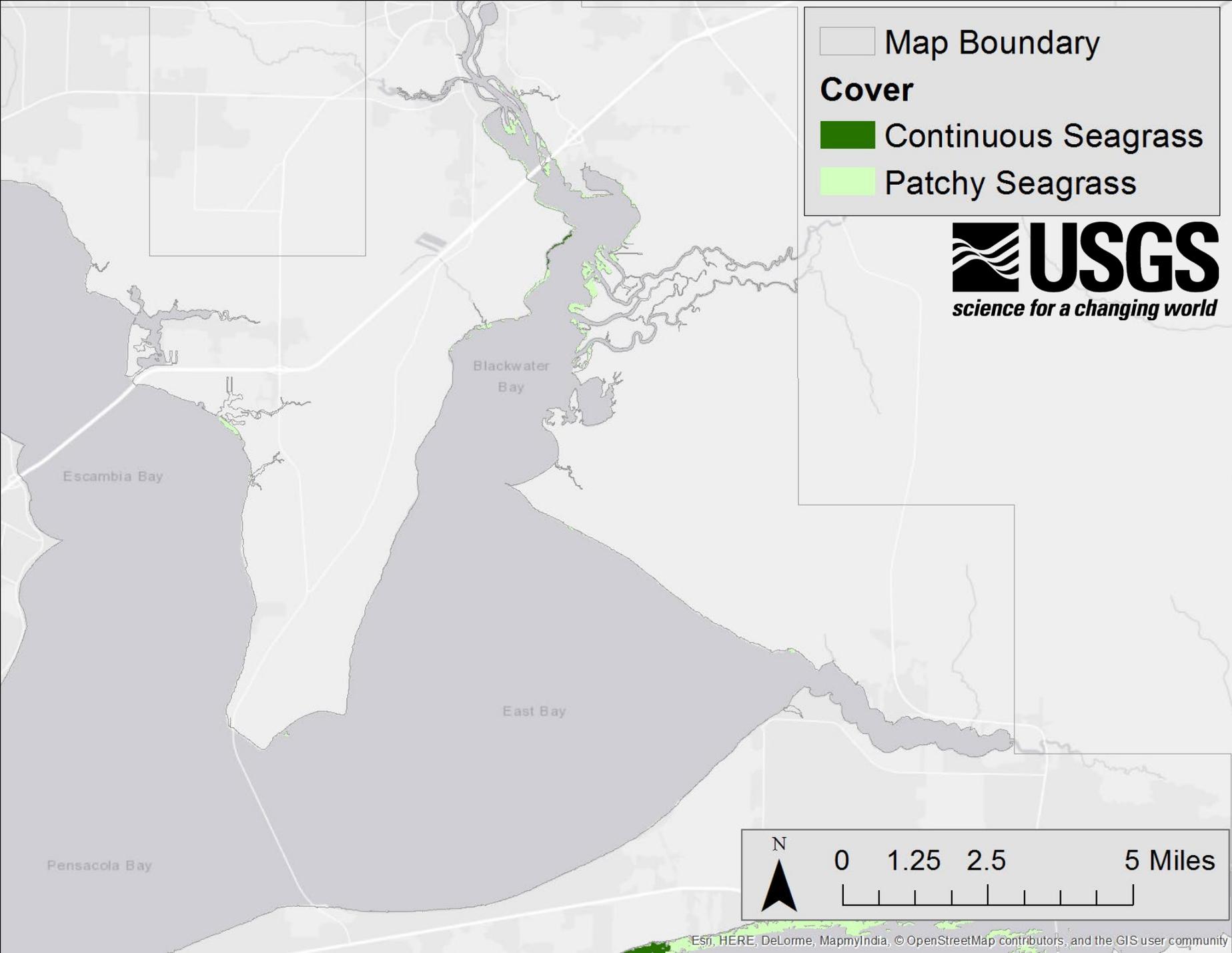
East Pensacola Bay 1970





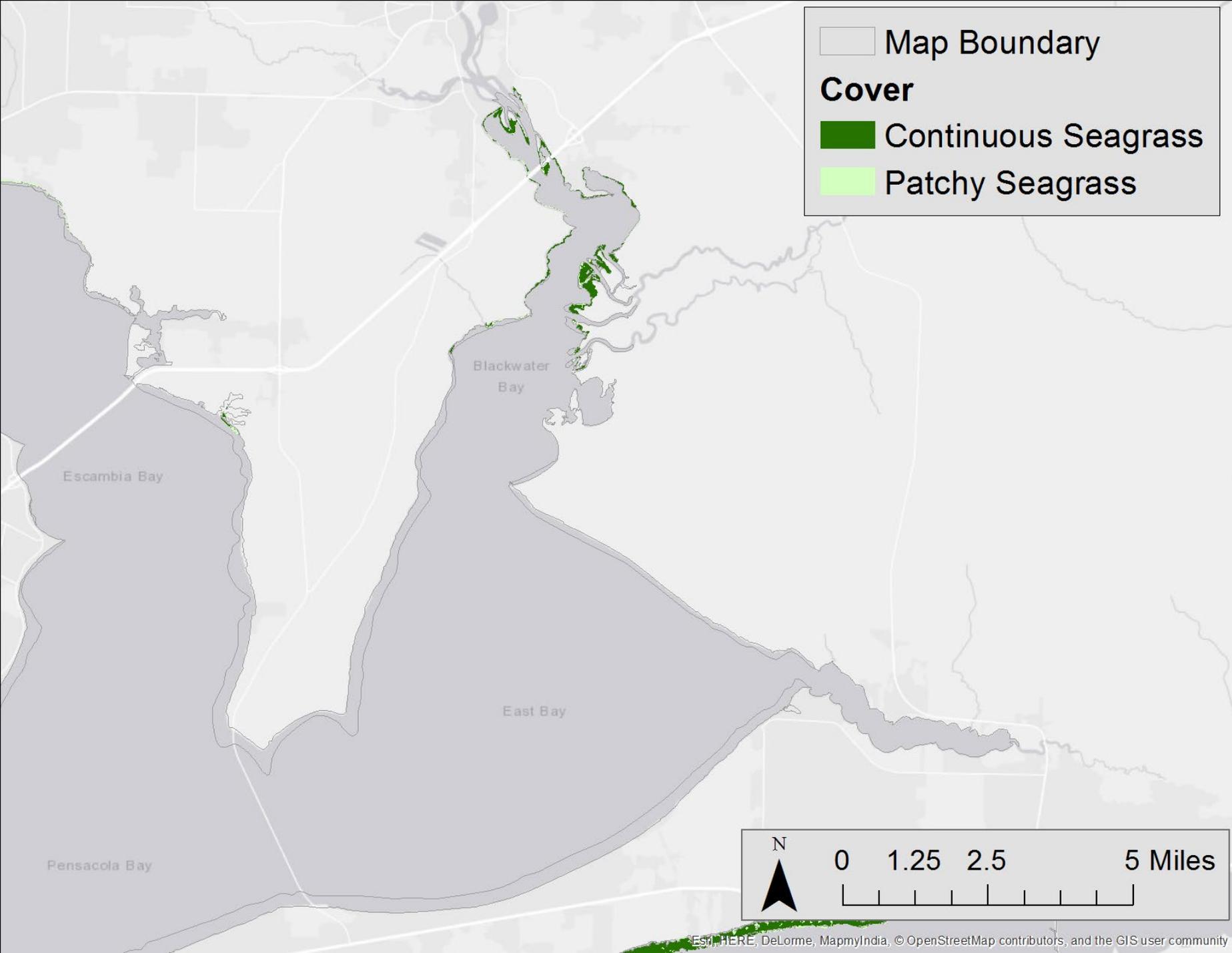
East Pensacola Bay 1992





East Pensacola Bay 2003





East Pensacola Bay 2010

