

Roadblocks to Seagrass Recovery

Seagrass Recovery Potential Model for Panhandle Estuaries

Seagrass Cover
Santa Rosa Sound



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.

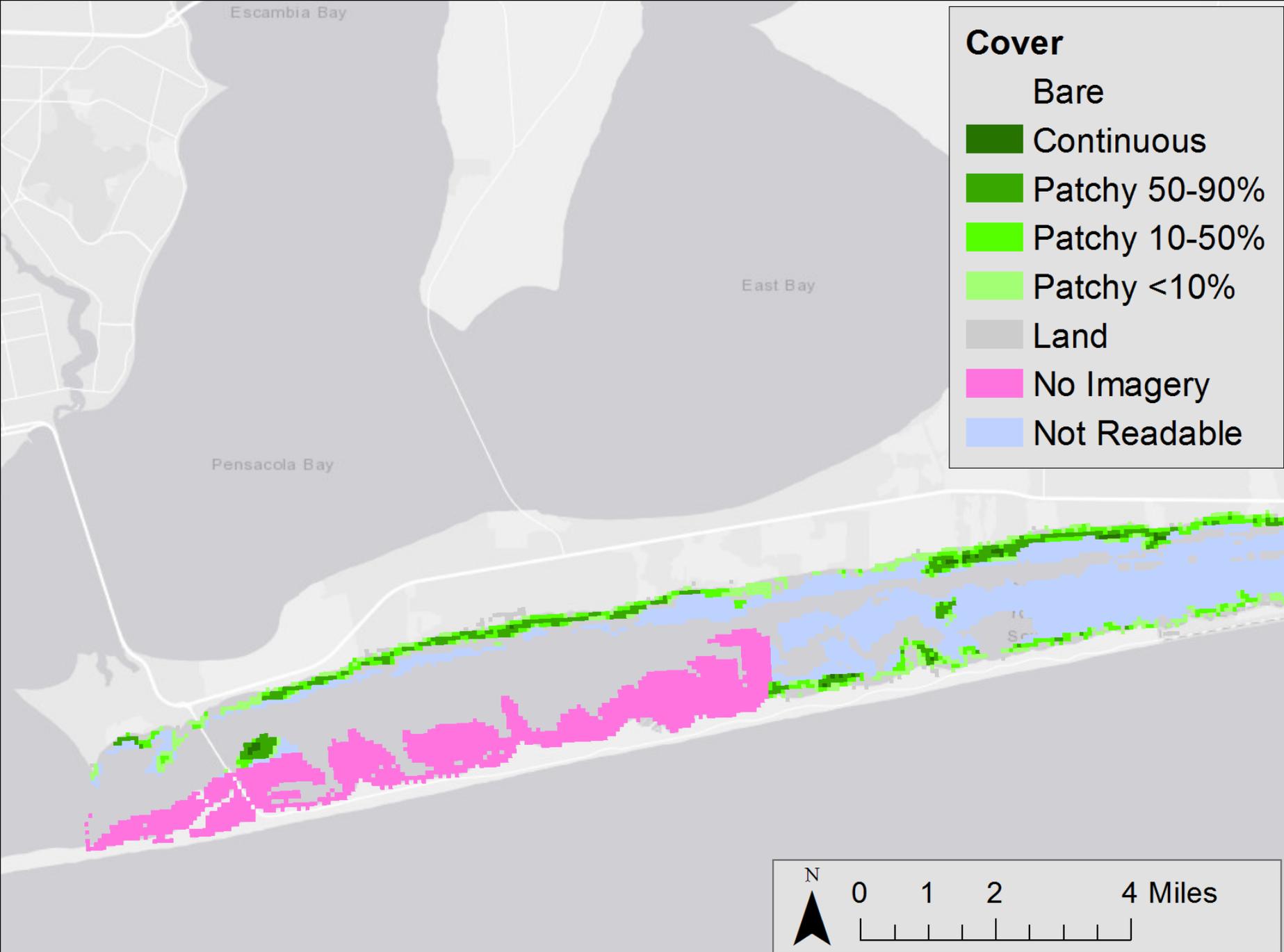
There are two types of maps in this dataset: polygon maps and grid maps. Polygon maps show the location of “Continuous seagrass” or “Patchy seagrass”. Note that the boundaries of some maps do not include the entire estuary. Grid maps were created through the interpretation of imagery by FWRI employees 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
1946	U.S. Department of Agriculture	Fish and Wildlife Research Institute
1951	U.S. Department of Agriculture	Quantum Spatial Inc.
1960	U.S. Department of Agriculture	U.S. Geological Survey
1992	National Aeronautics and Space Administration	U.S. Geological Survey
2003	Aerial Cartographics of America Inc.	U.S. Geological Survey
2010	Aerometric Surveys	Photo Science Inc.
2015	National Agriculture Imagery Program	Dewberry Inc.
2017	National Agriculture Imagery Program	Quantum Spatial Inc.



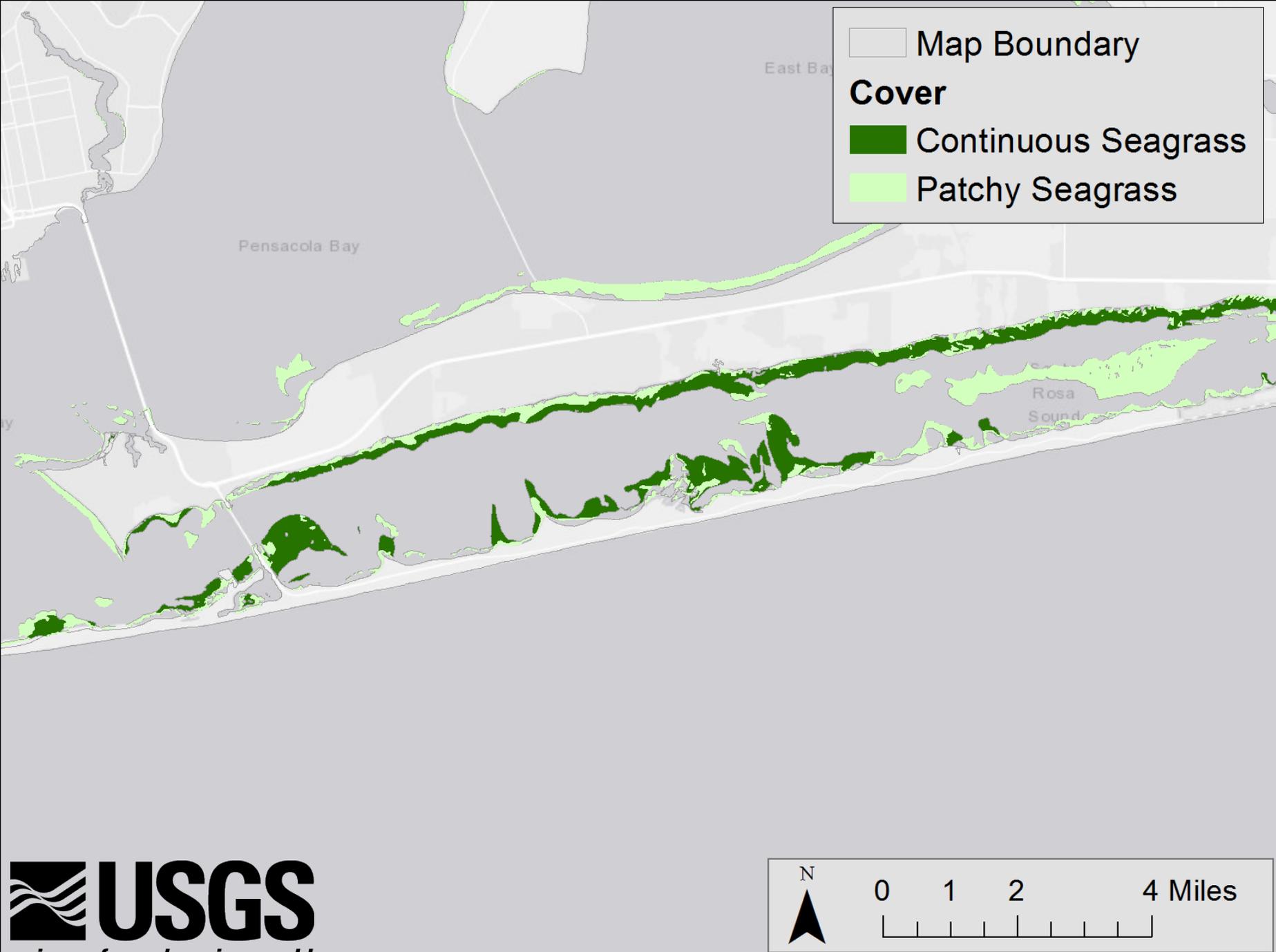
Santa Rosa Sound *West* 1940s





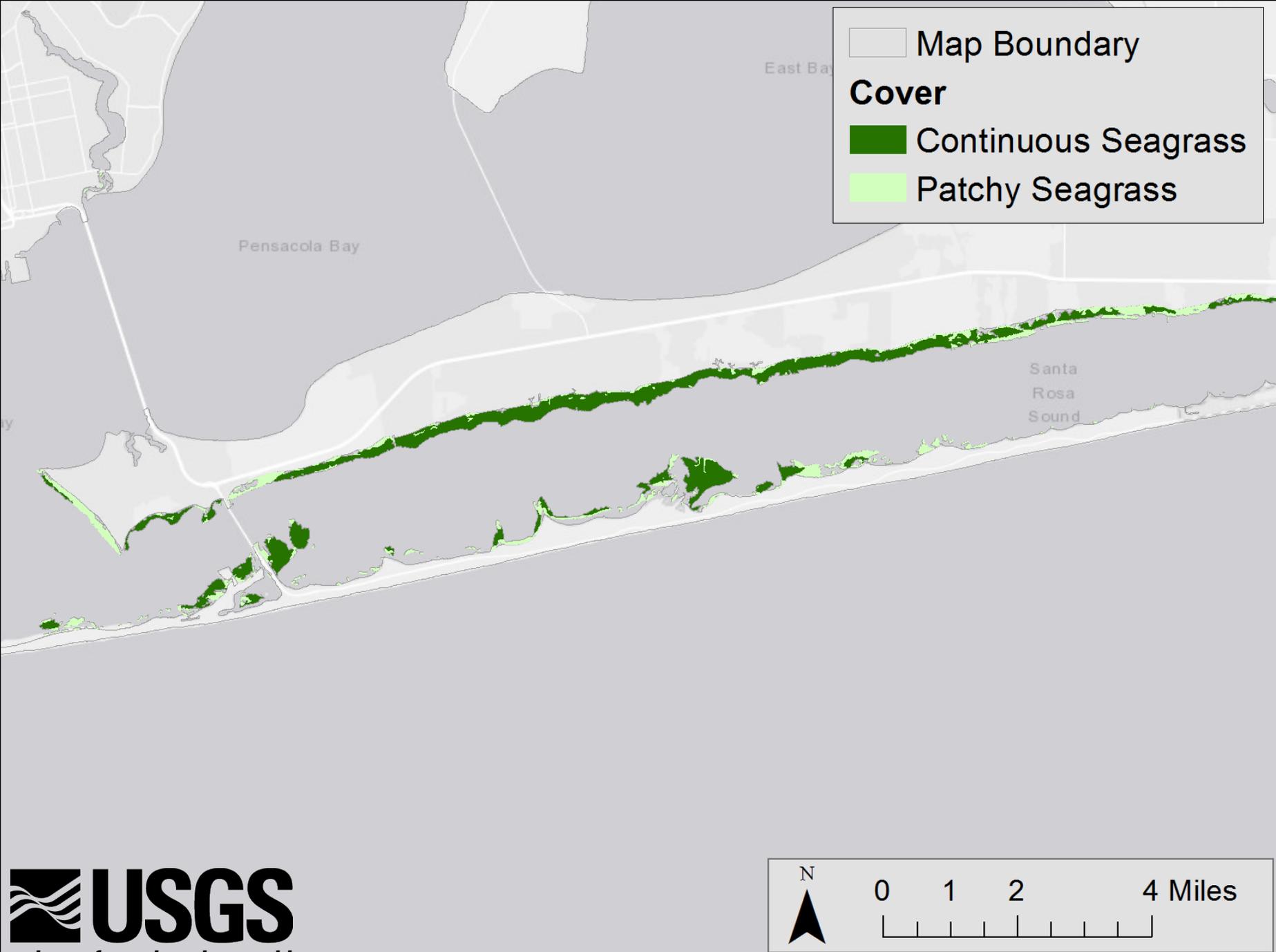
Santa Rosa Sound West 1950s





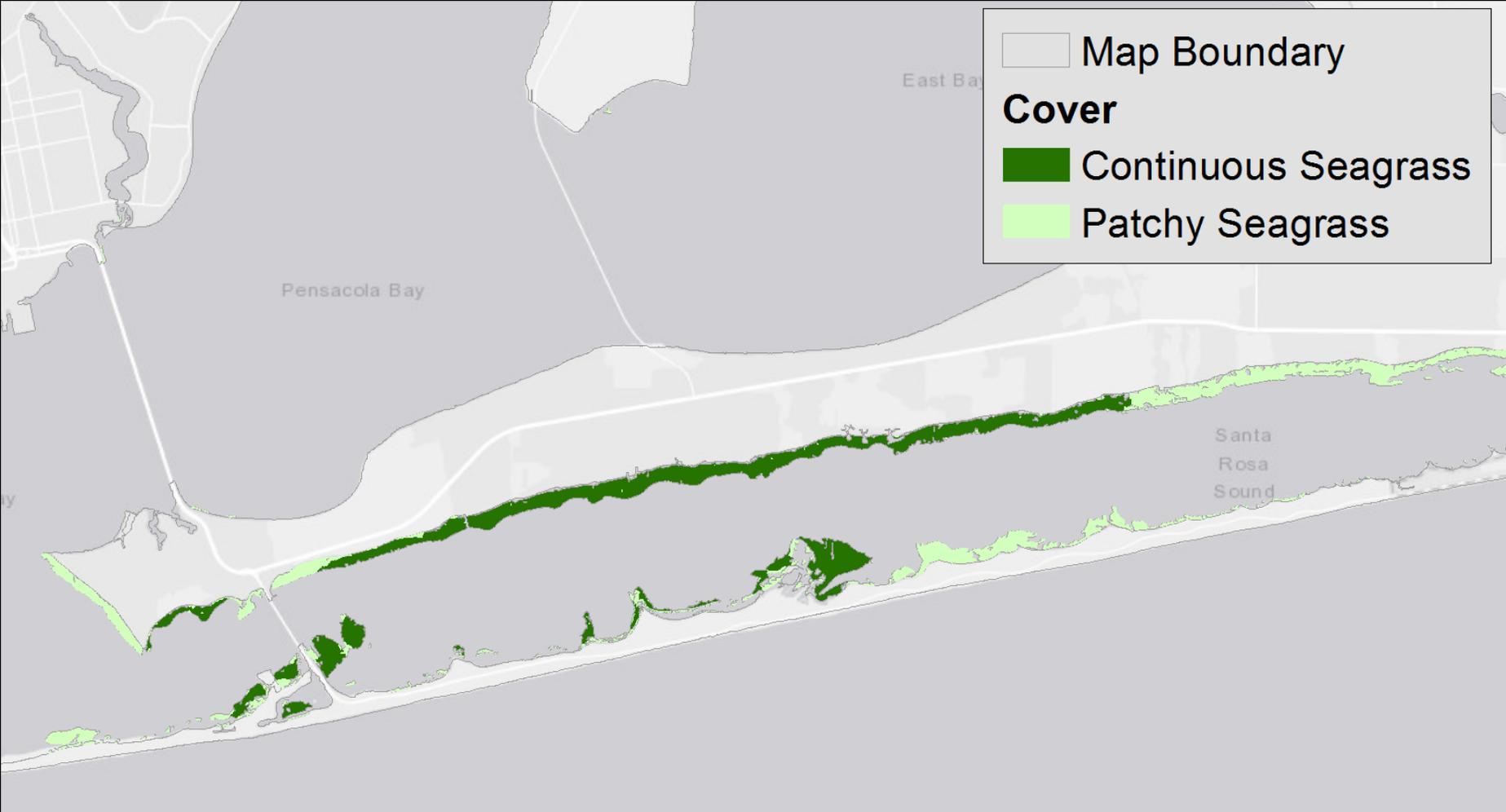
Santa Rosa Sound West 1960s



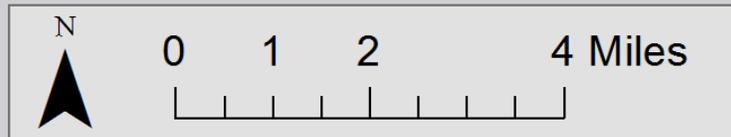


Santa Rosa Sound West 1992



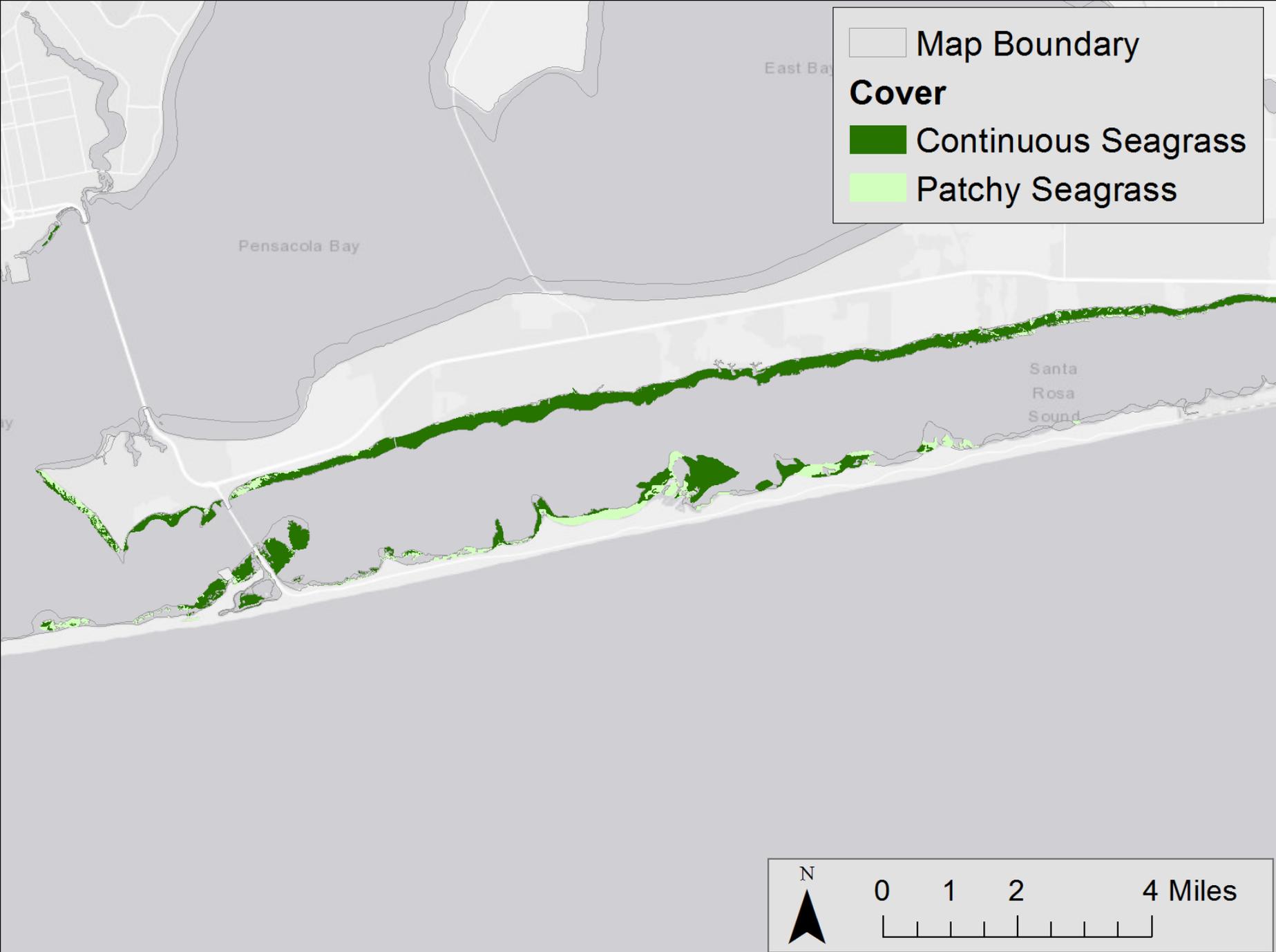


Santa Rosa Sound West 2003



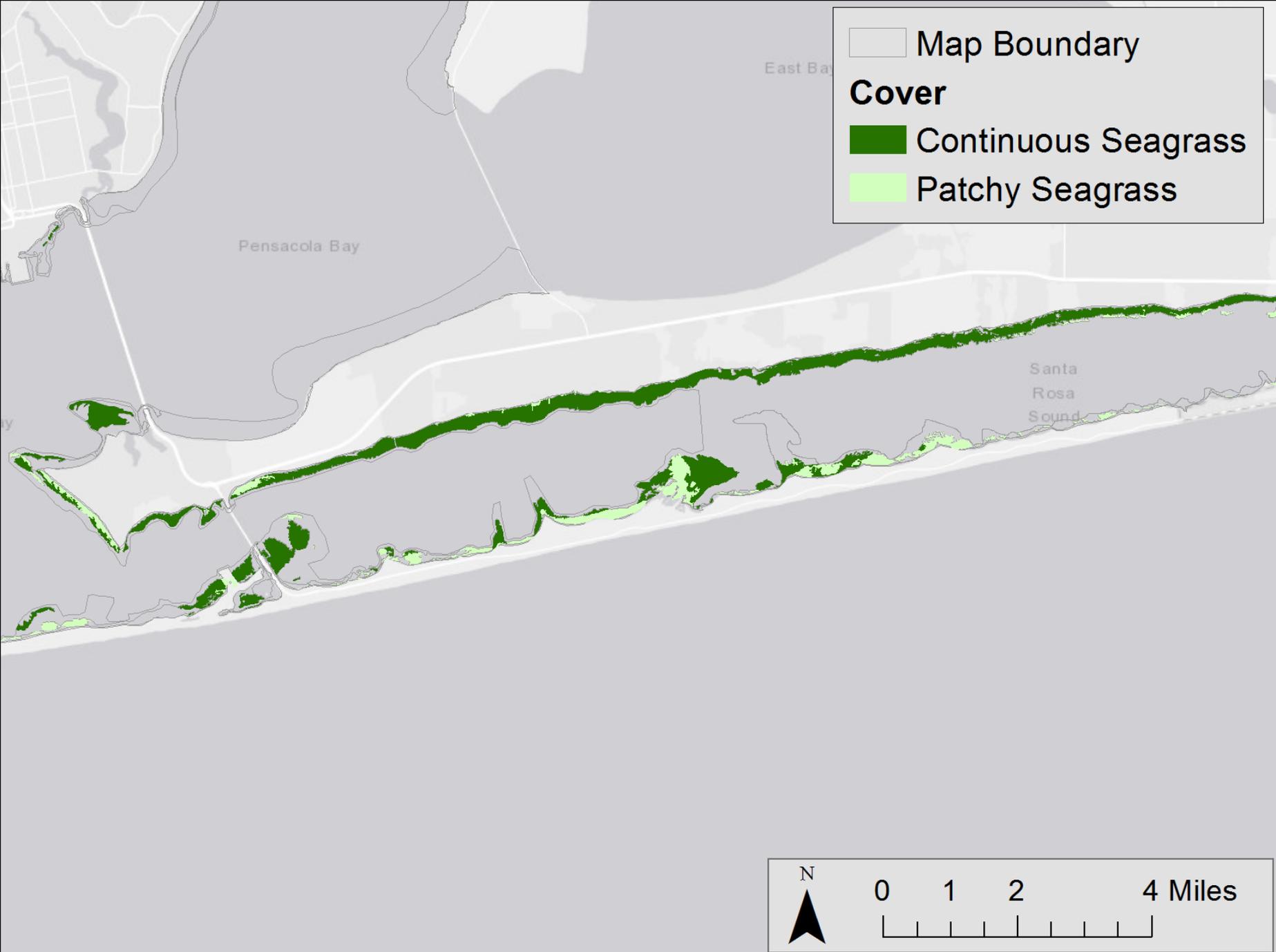
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community





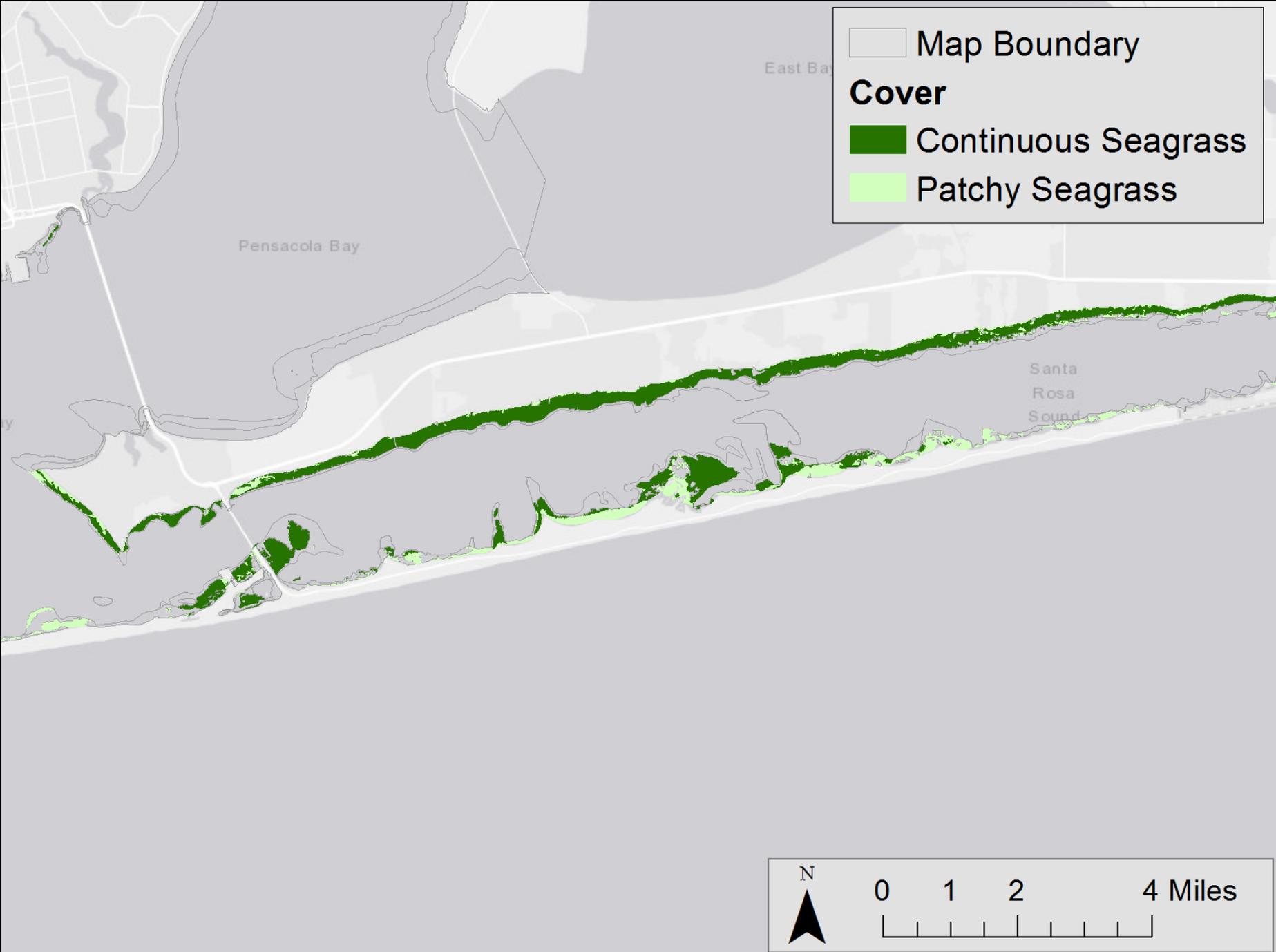
Santa Rosa Sound West 2010





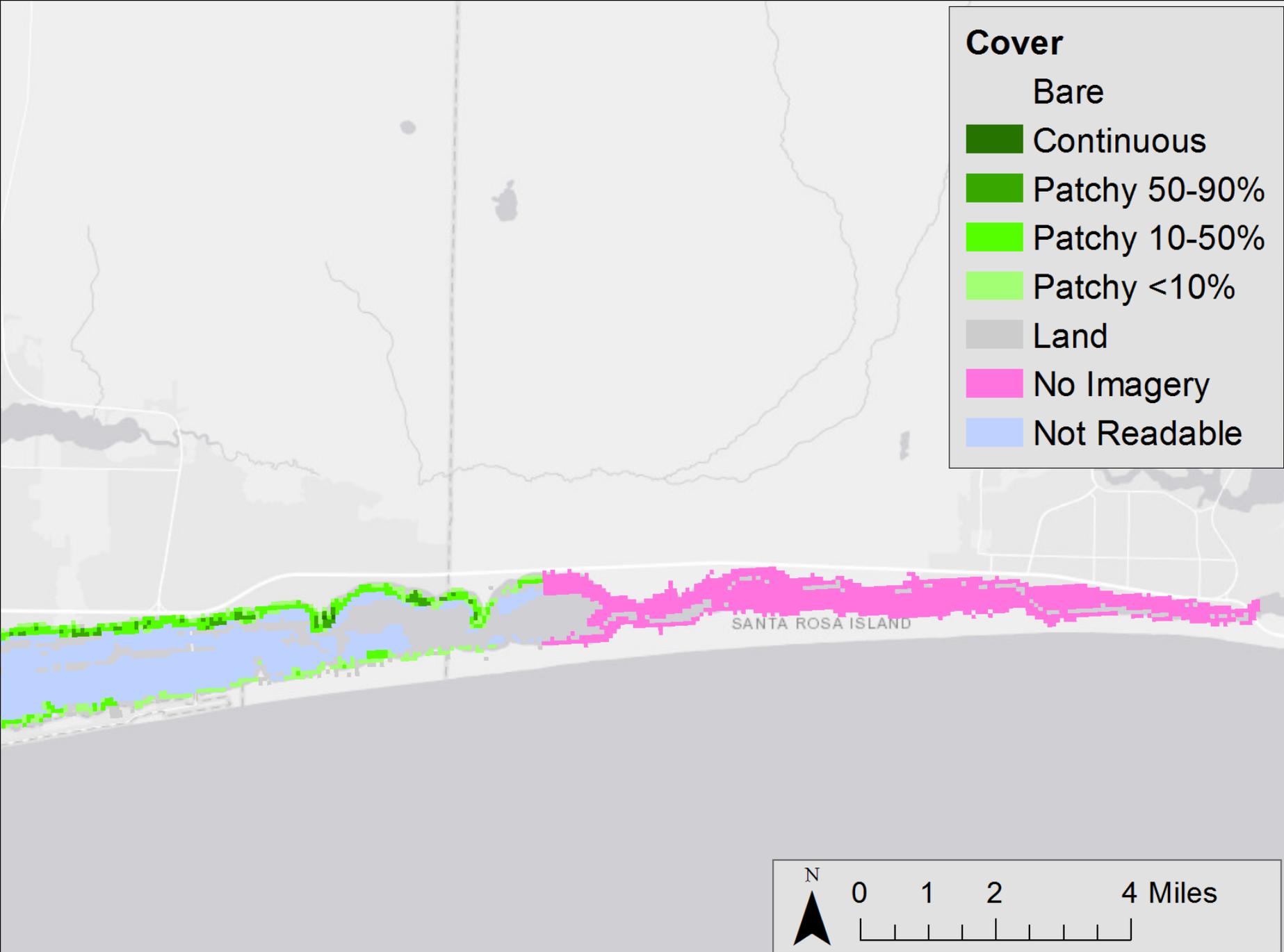
Santa Rosa Sound West 2015





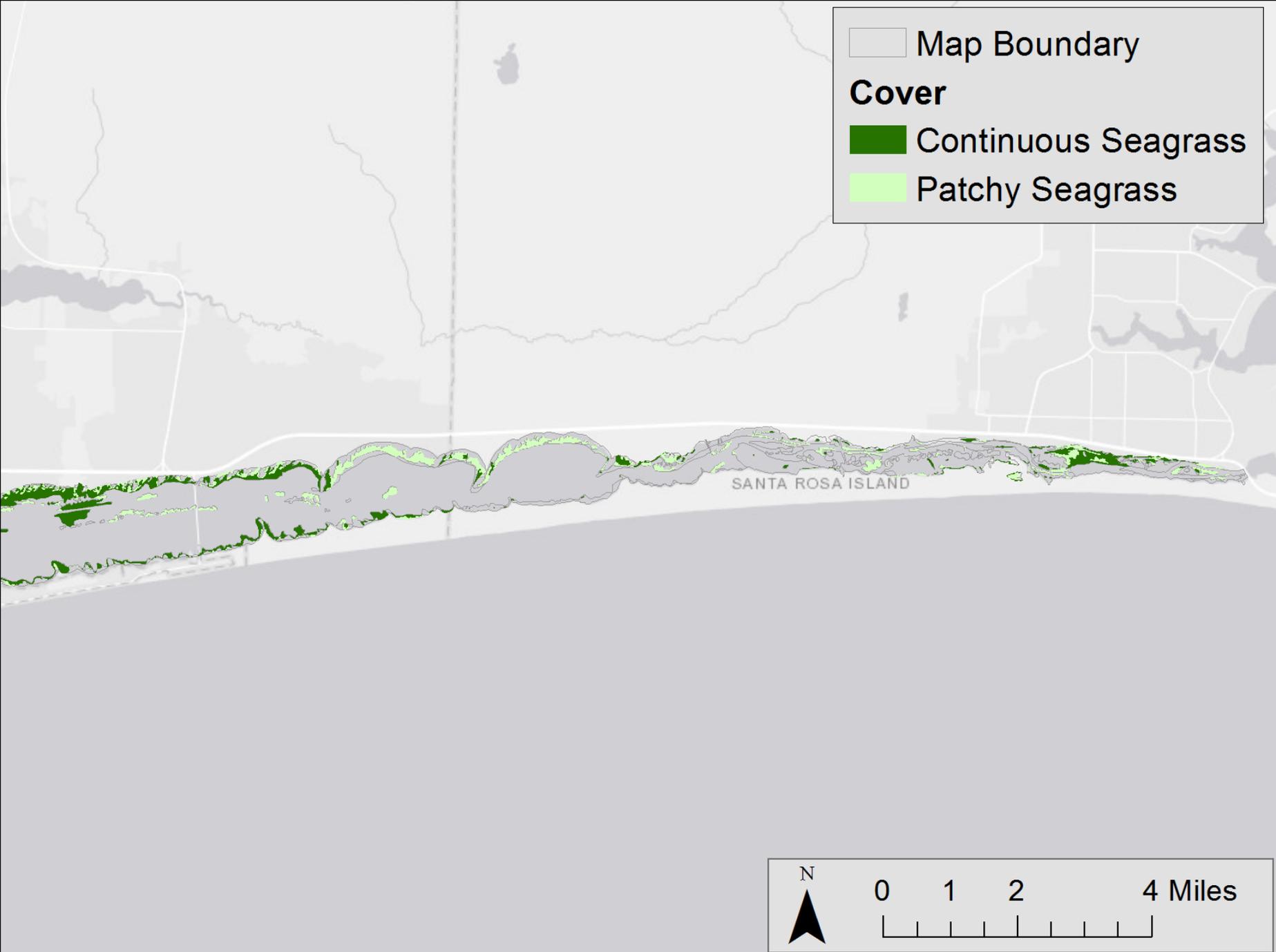
Santa Rosa Sound West 2017





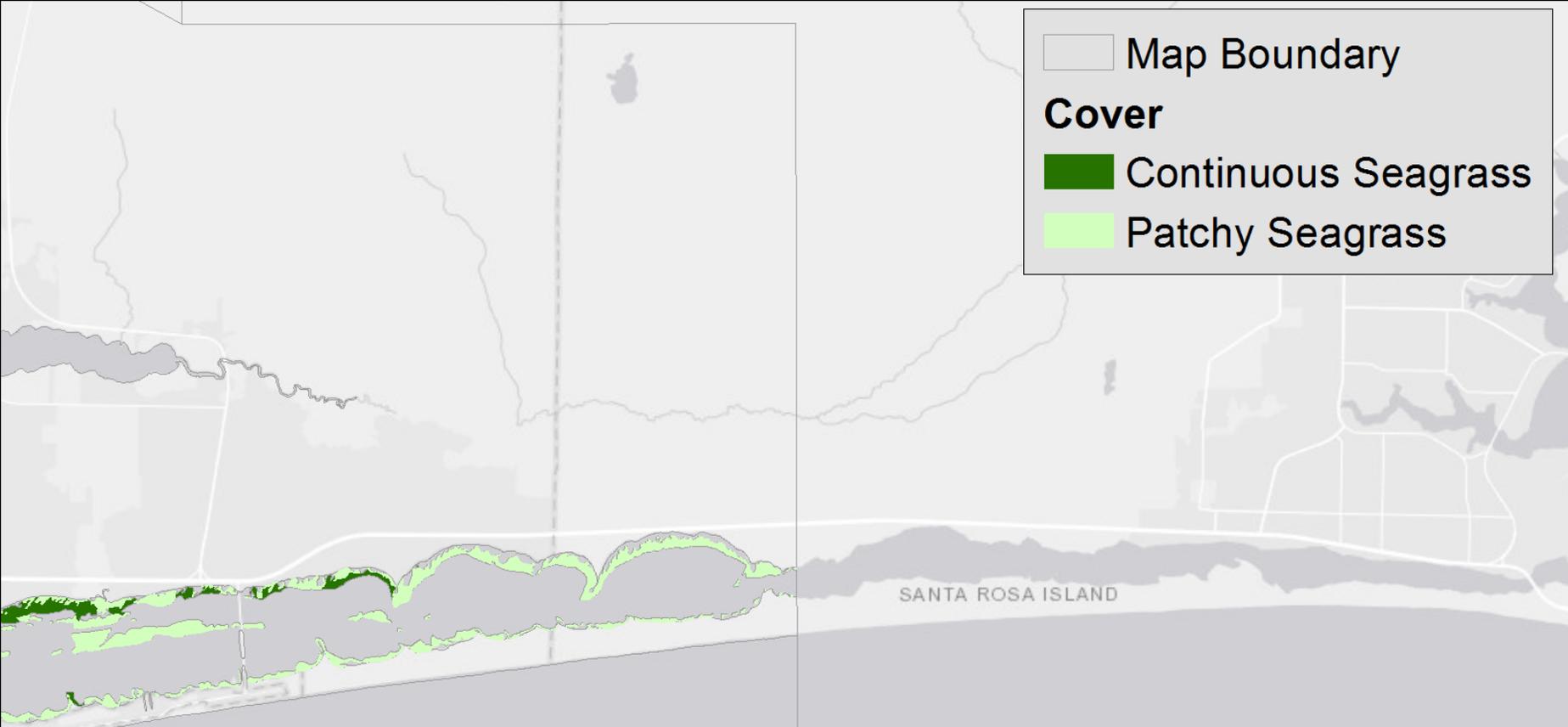
Santa Rosa Sound *East* 1940s





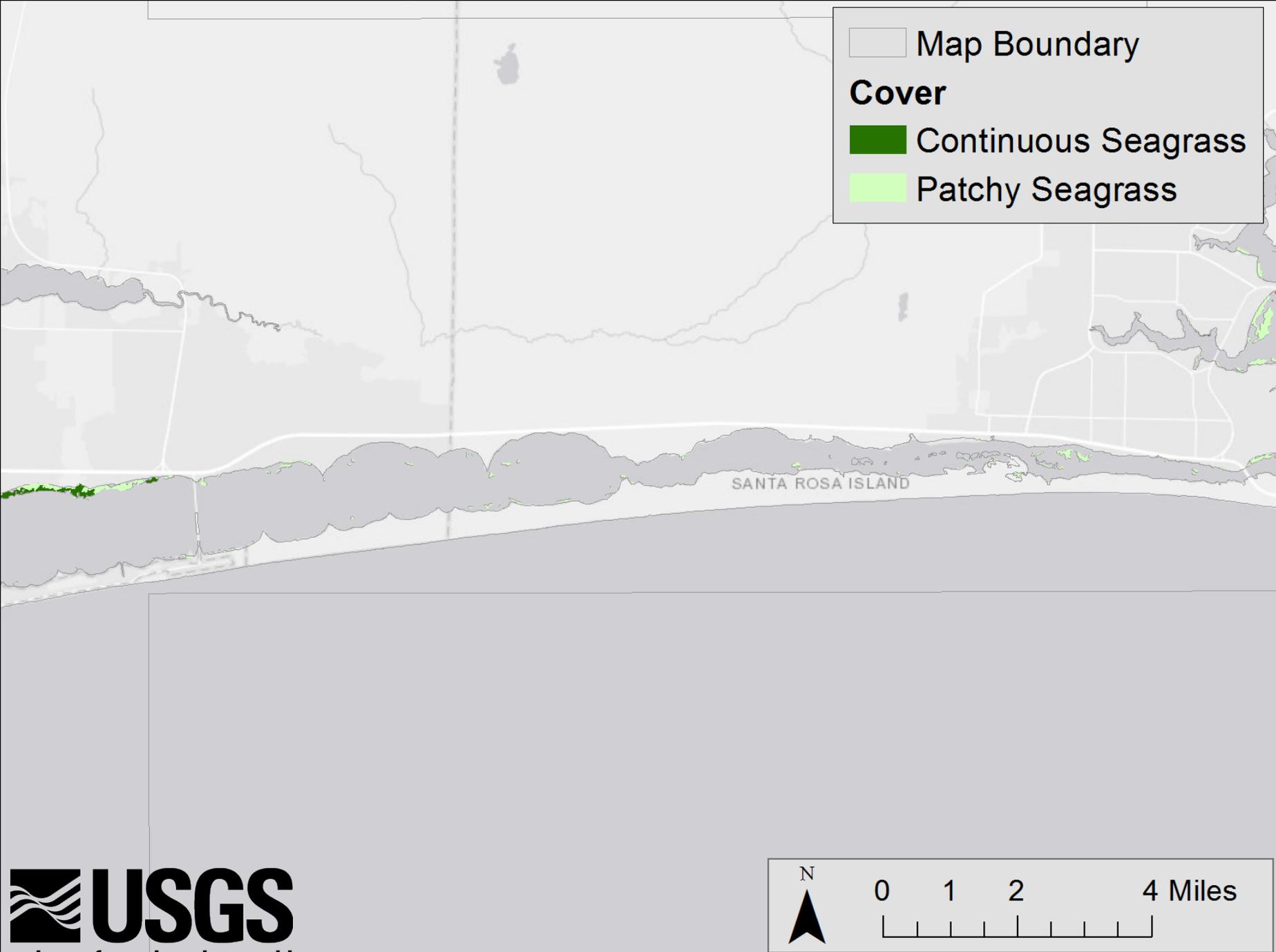
Santa Rosa Sound *East* 1950s





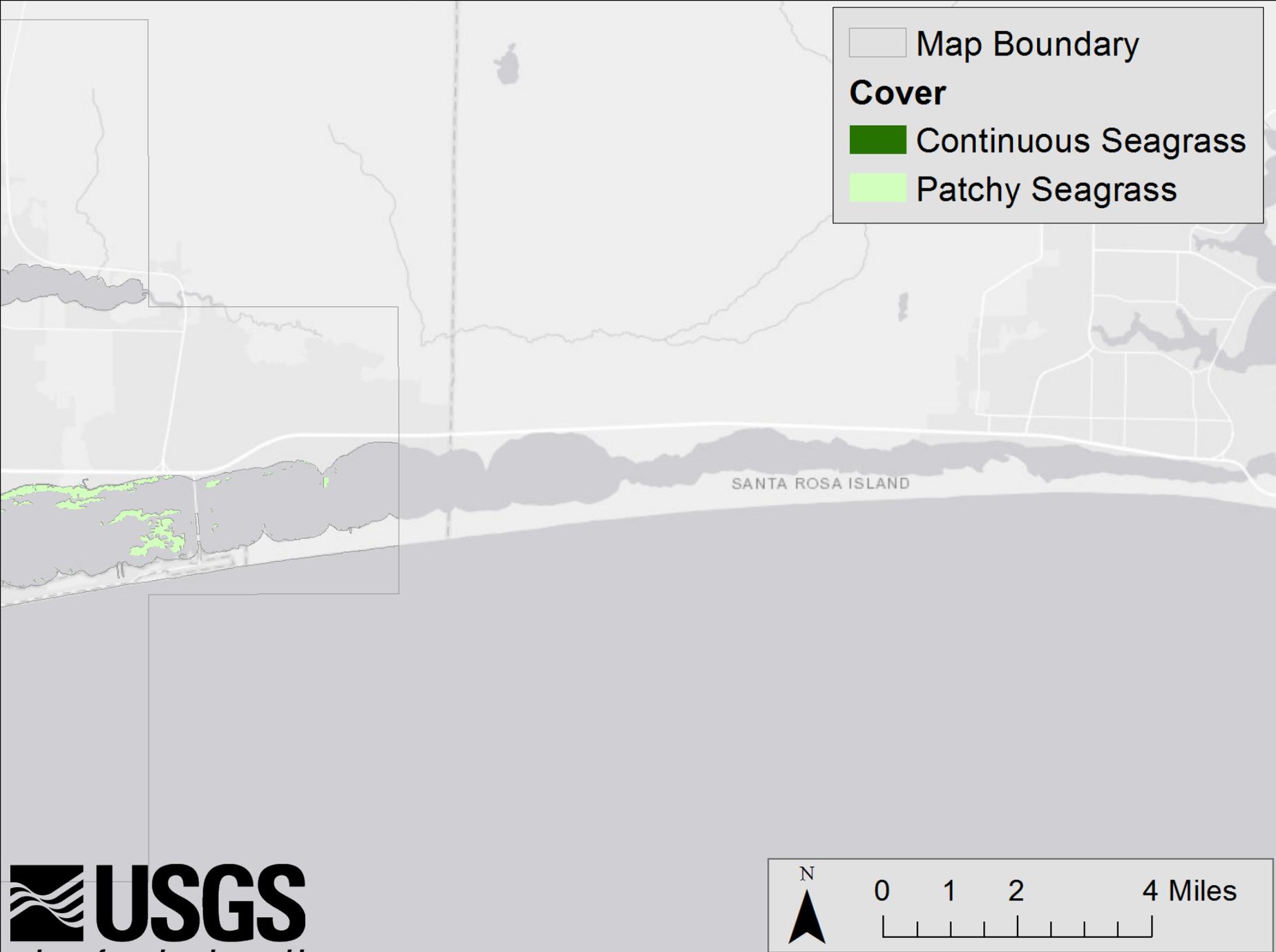
Santa Rosa Sound East *East* 1960s





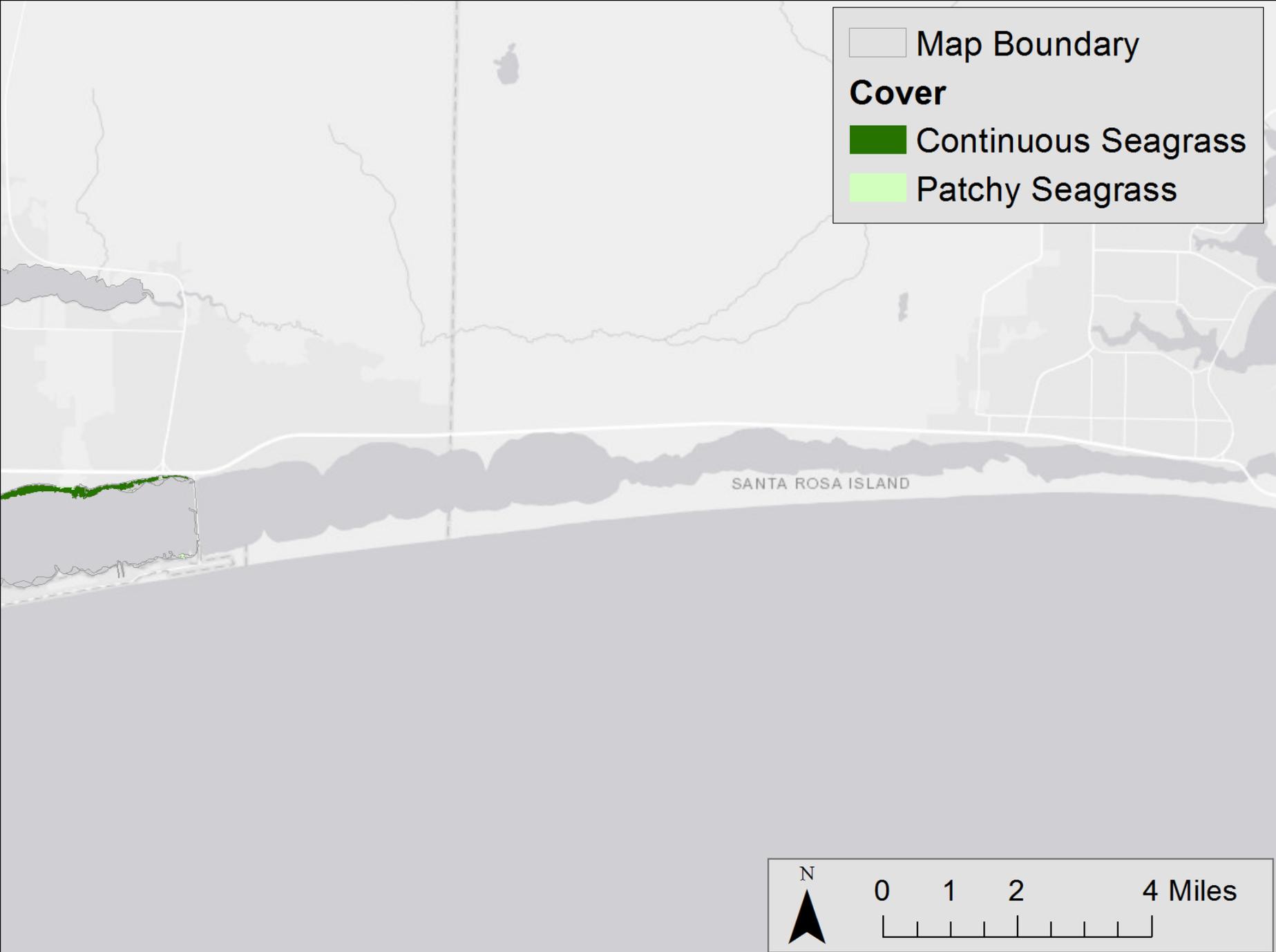
Santa Rosa Sound *East* 1992





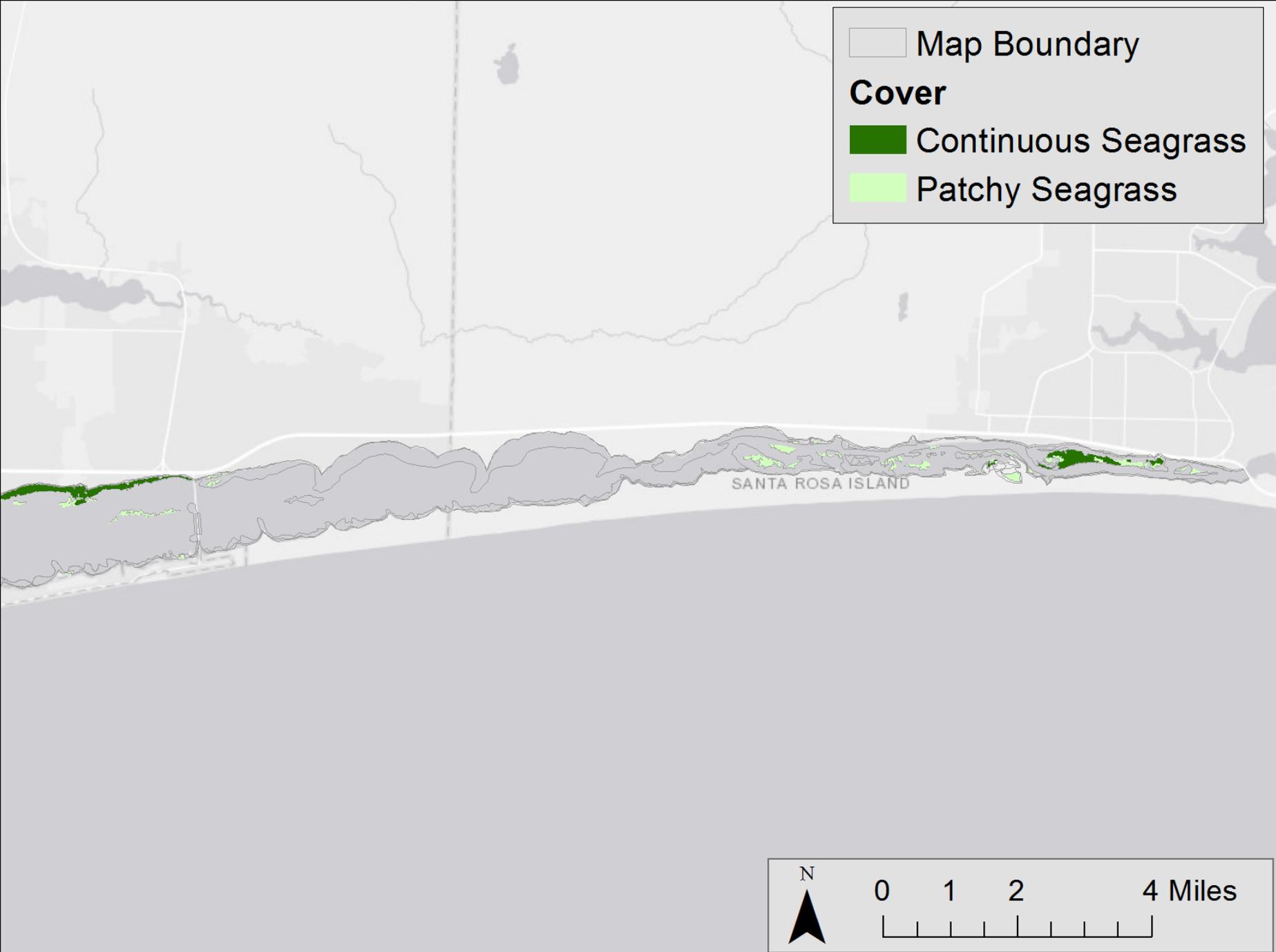
Santa Rosa Sound *East* 2003





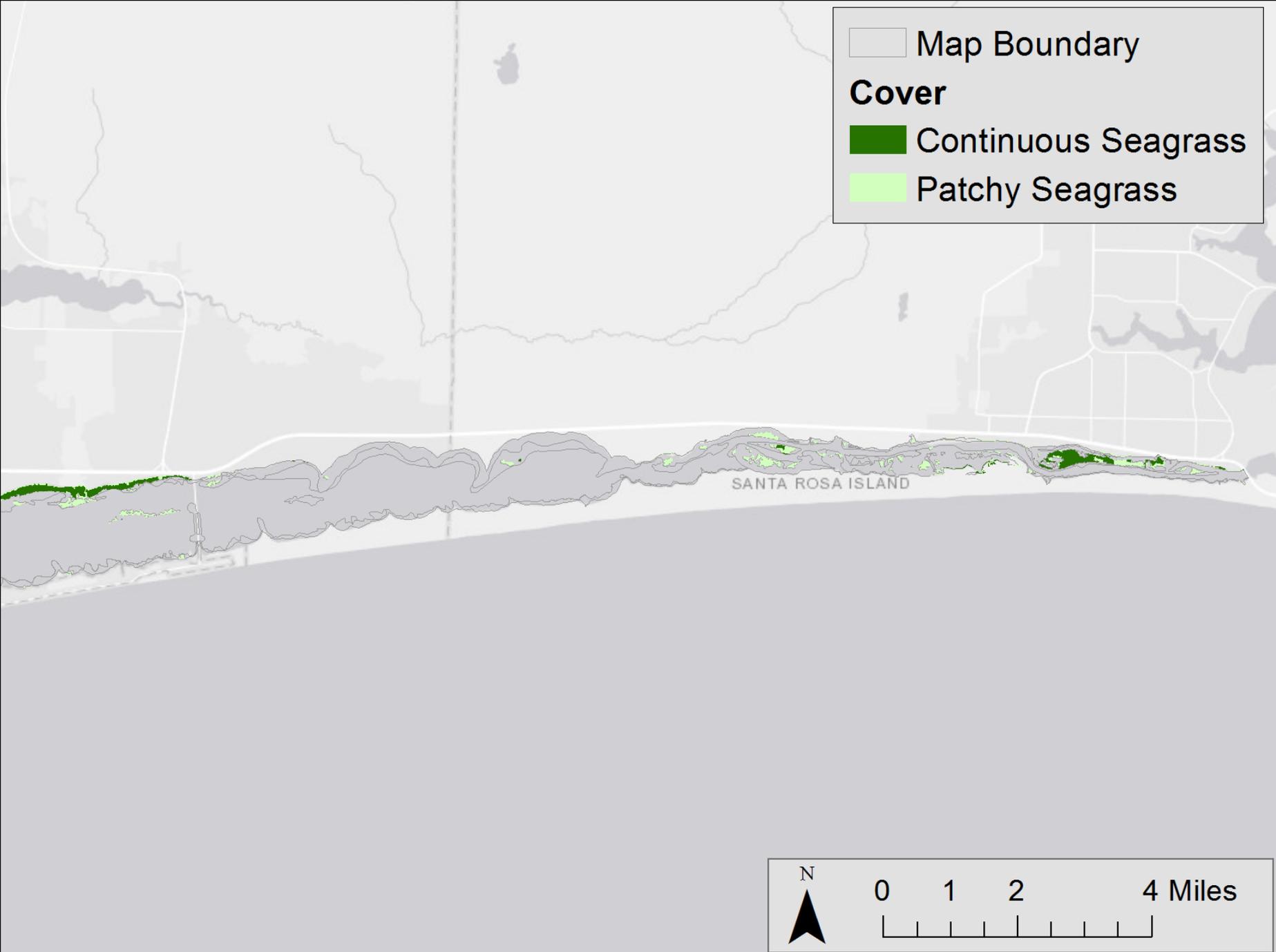
Santa Rosa Sound *East* 2010





Santa Rosa Sound *East* 2015





Santa Rosa Sound *East* 2017

