

# Roadblocks to Seagrass Recovery

## Seagrass Recovery Potential Model for Panhandle Estuaries

### Seagrass Cover Choctawhatchee 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.

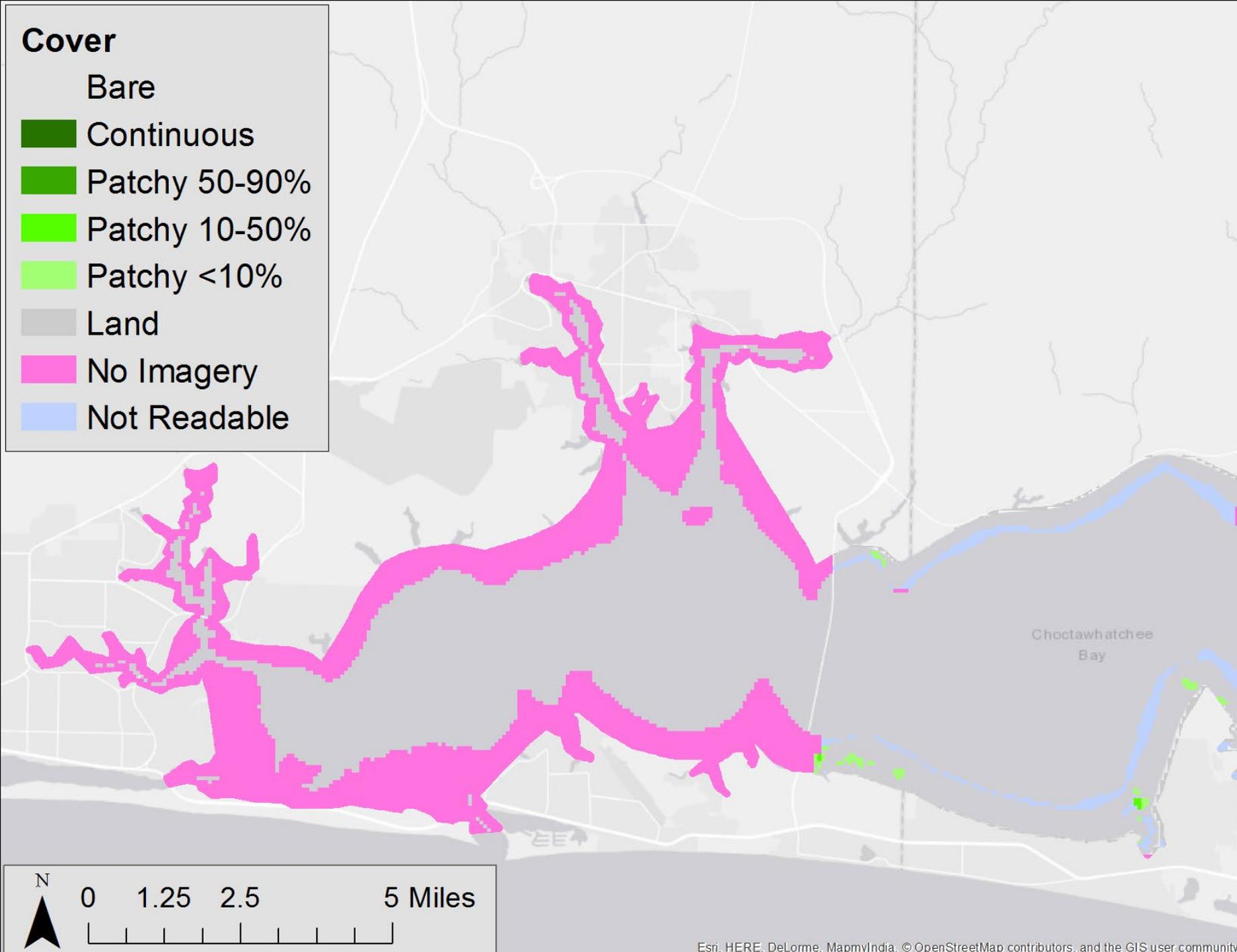
## **Credits:**

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

# Attributes/Source

<b>Year</b>	<b>Imagery</b>	<b>Map</b>
1941	U.S. Department of Agriculture	Fish and Wildlife Research Institute
1955	U.S. Department of Agriculture	Quantum Spatial Inc.
1969	U.S. Department of Agriculture	Fish and Wildlife Research Institute
1974	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
2007	Land Boundary Information System	Fish and Wildlife Research Institute
2015	National Agriculture Imagery Program	Dewberry Inc.
2017	National Agriculture Imagery Program	Quantum Spatial Inc.

# Choctawhatchee Bay West 1941

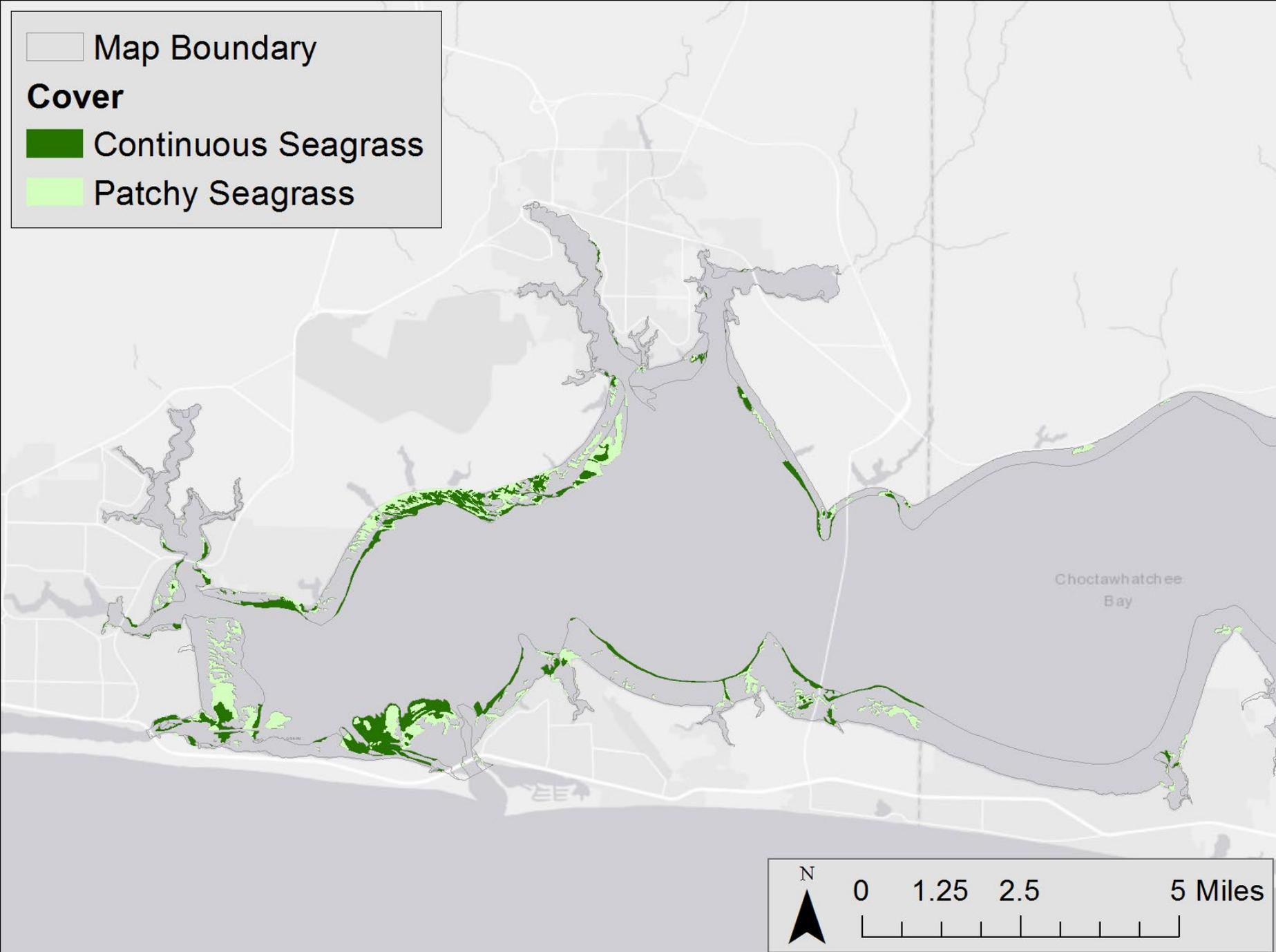


Map Boundary

Cover

Continuous Seagrass

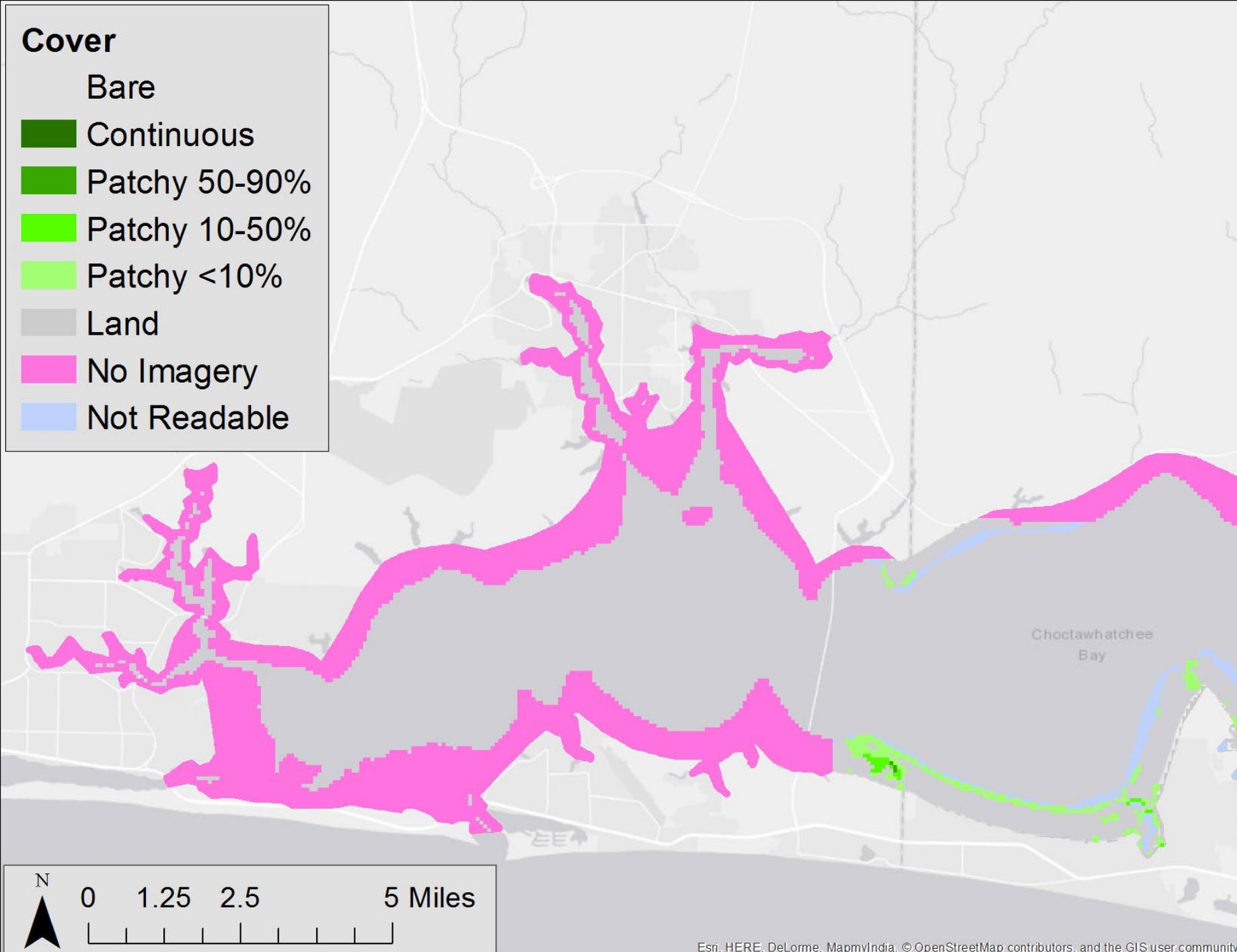
Patchy Seagrass



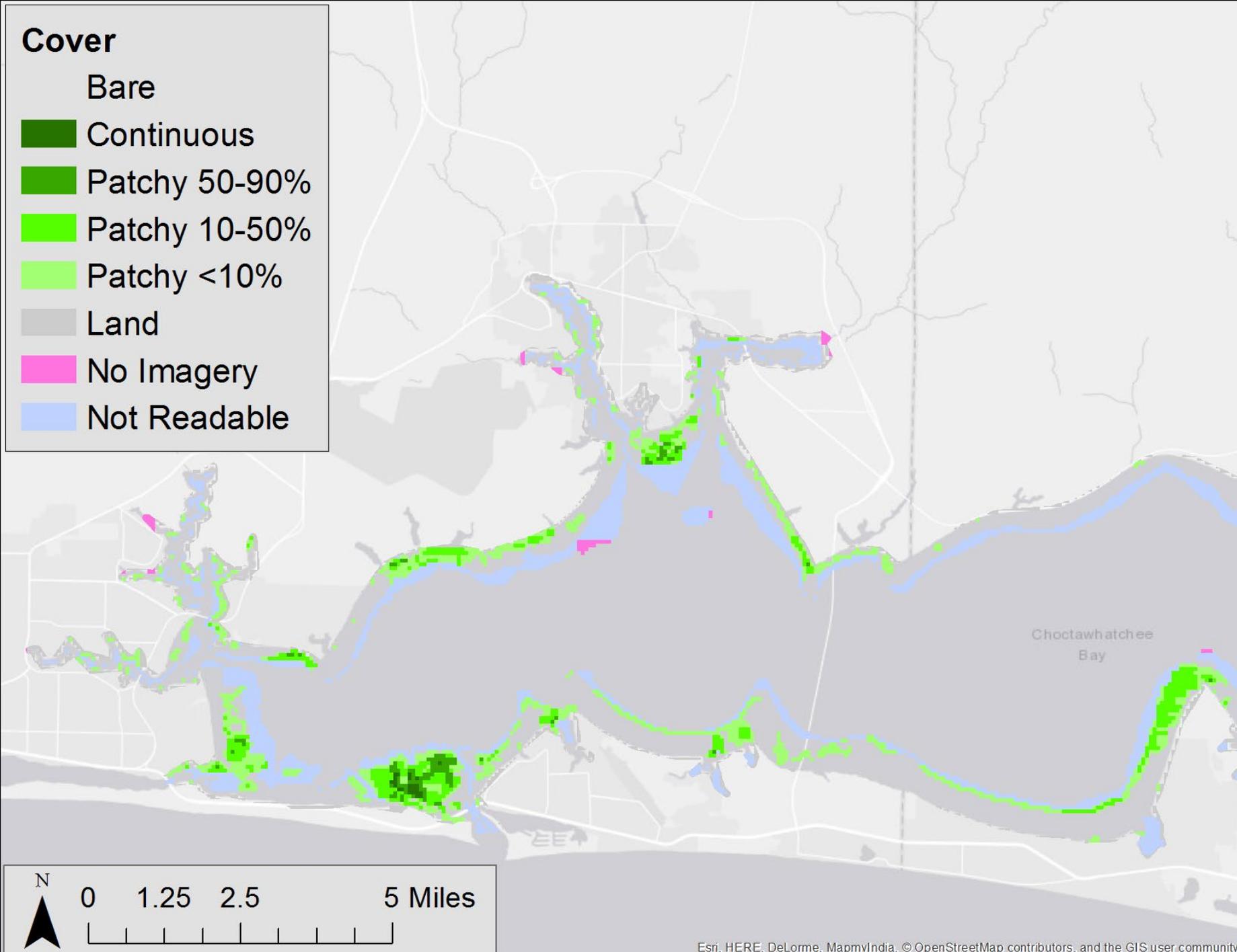
# Choctawhatchee Bay *West* 1955



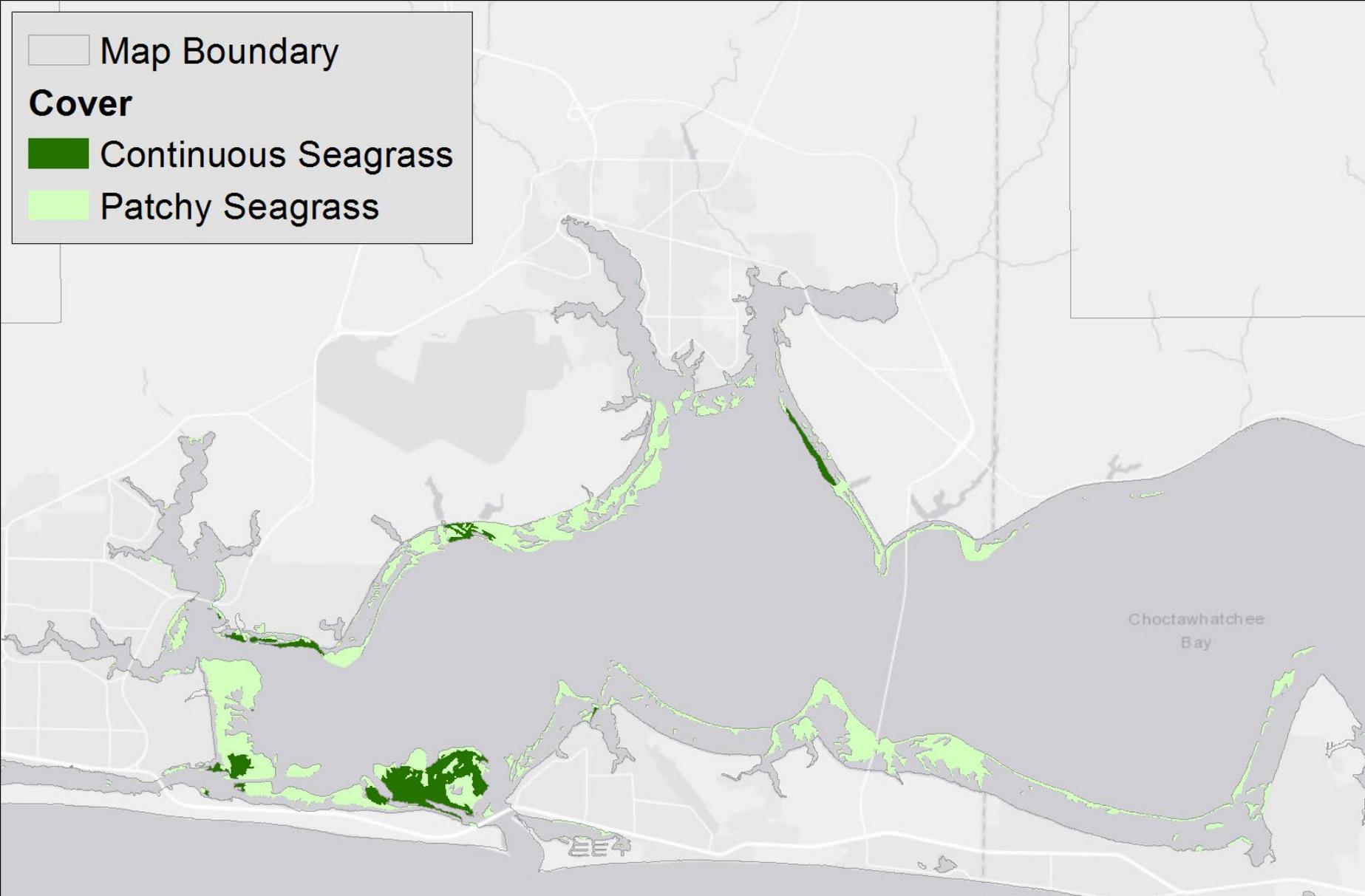
# Choctawhatchee Bay *West* 1969



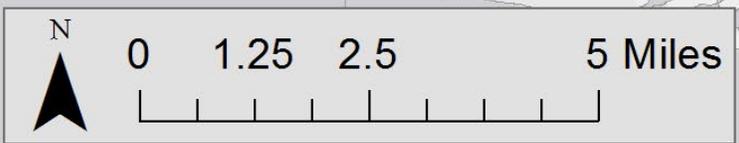
# Choctawhatchee Bay *West* 1974



- Map Boundary
- Cover**
- Continuous Seagrass
- Patchy Seagrass



# Choctawhatchee Bay West 1992



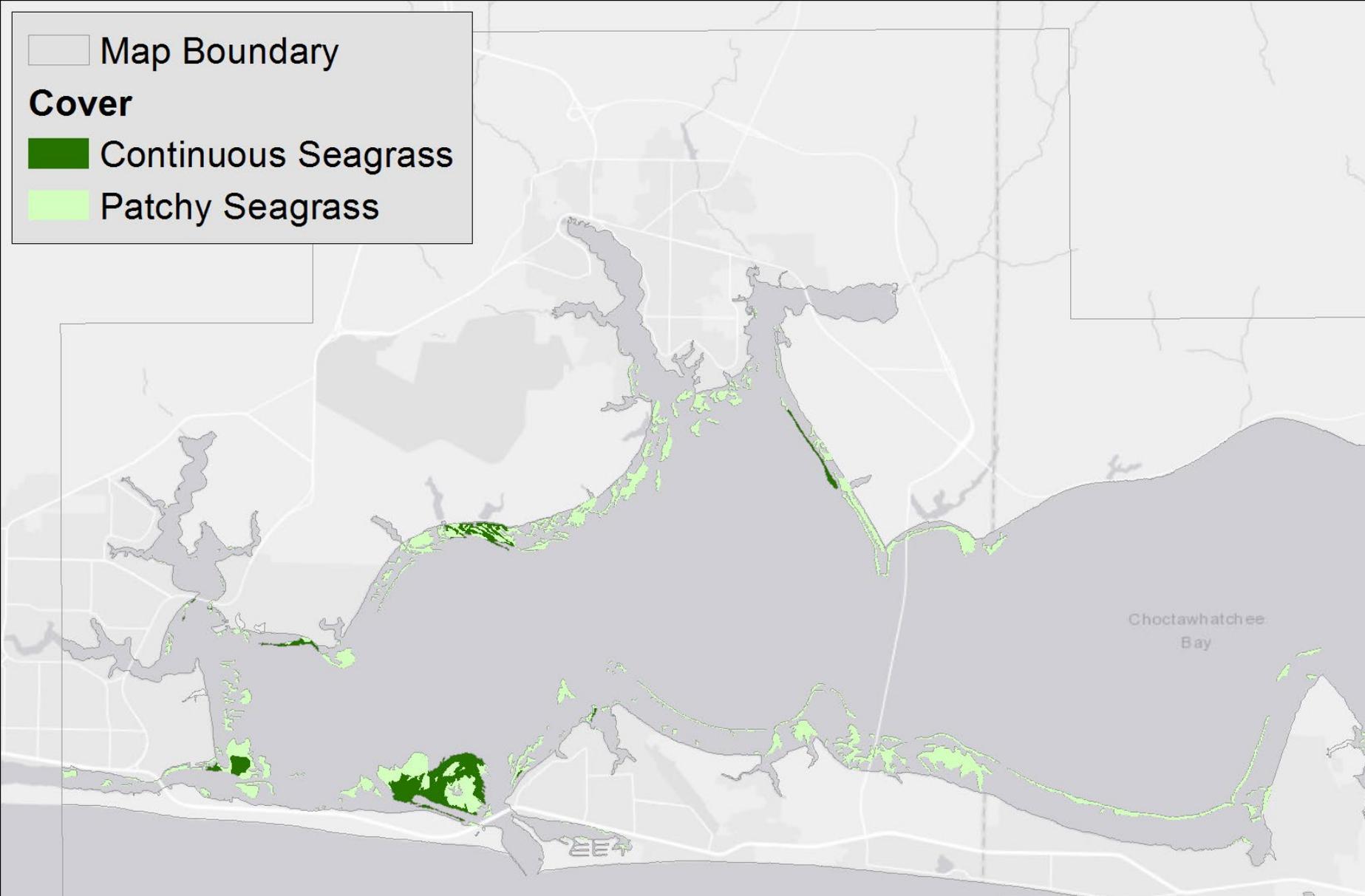
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Map Boundary

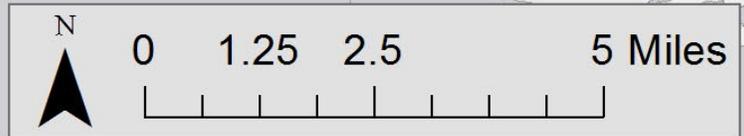
Cover

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *West* 2003

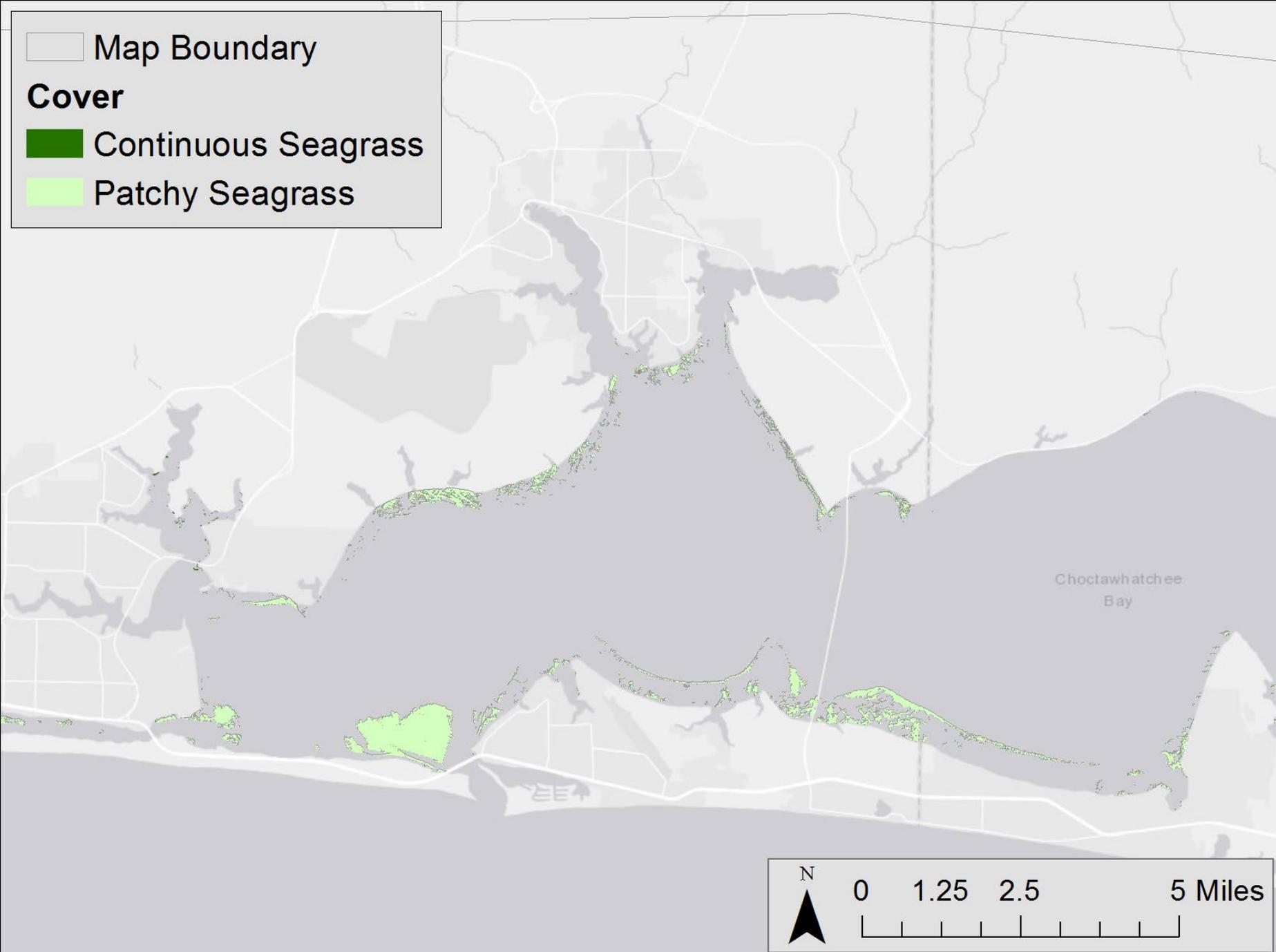


Map Boundary

**Cover**

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *West* 2007

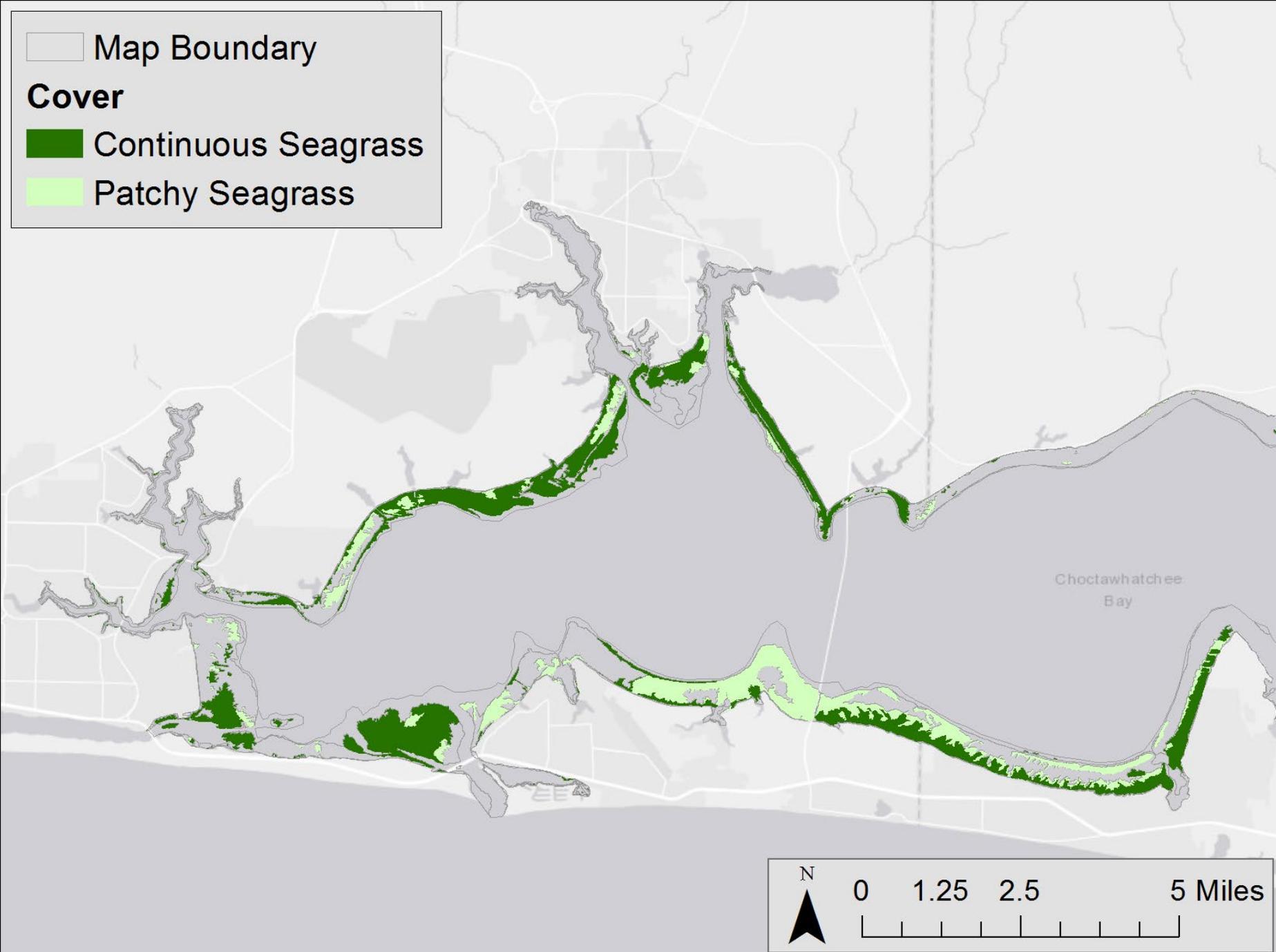


Map Boundary

Cover

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *West* 2015

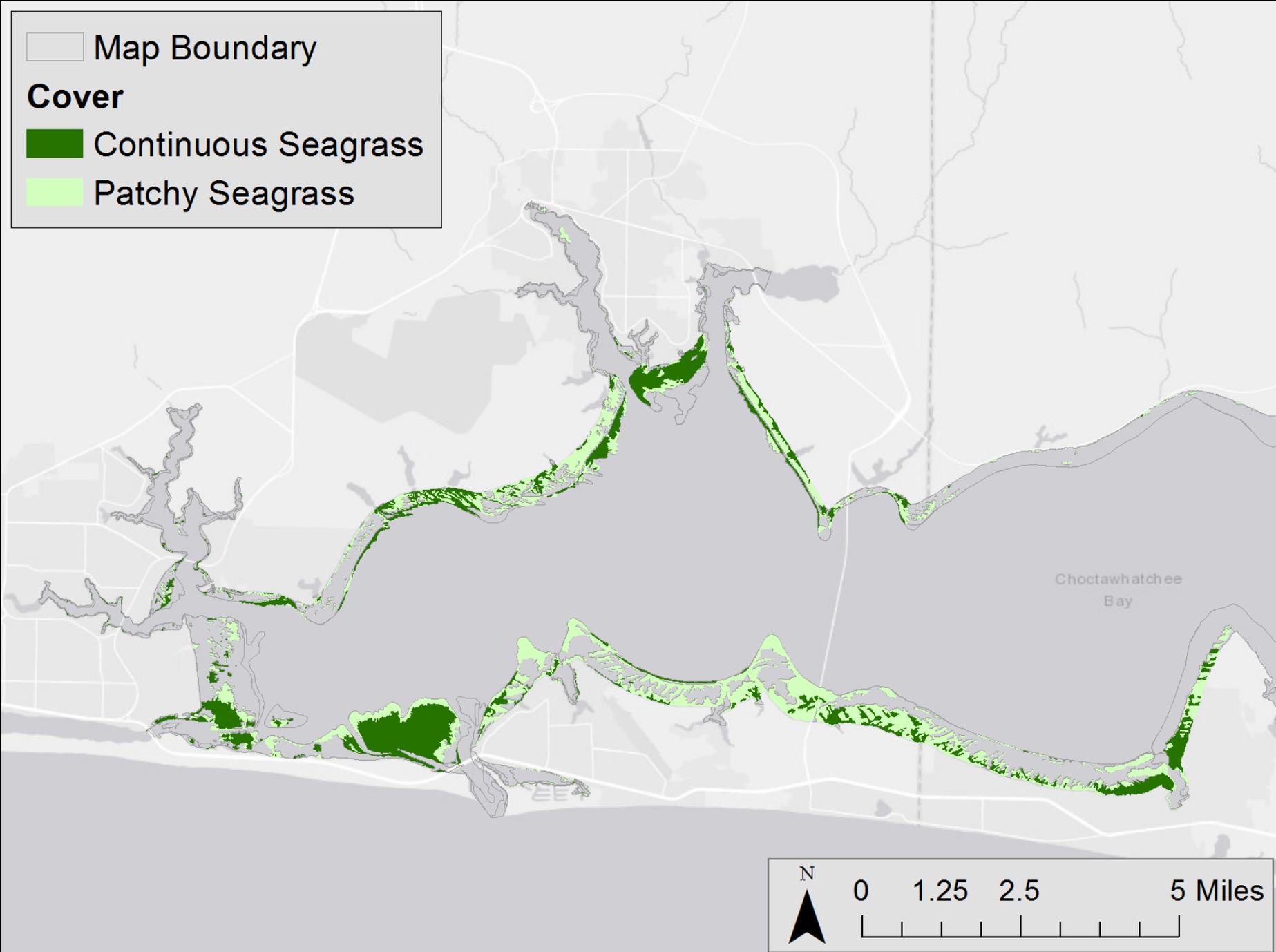


Map Boundary

Cover

Continuous Seagrass

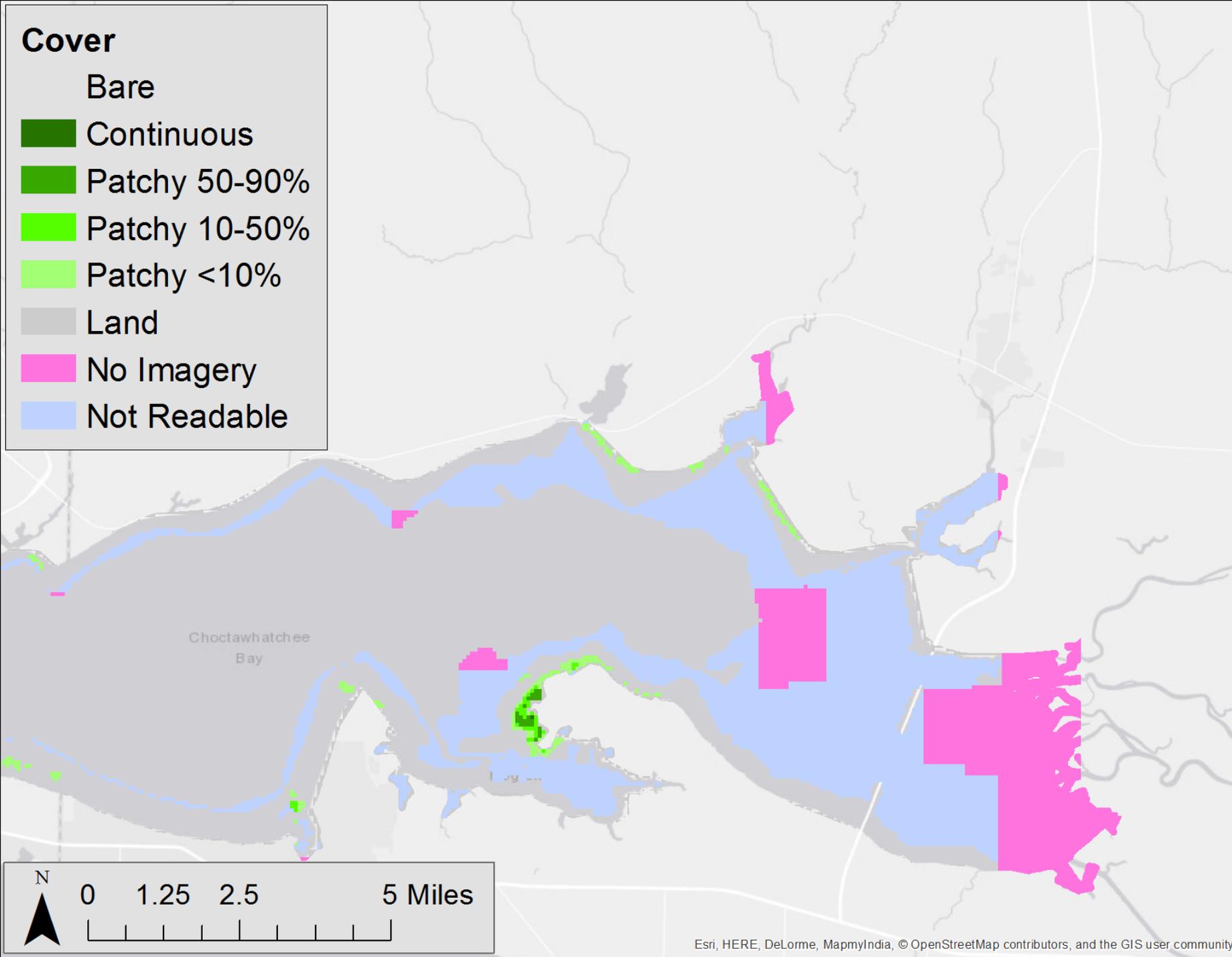
Patchy Seagrass



# Choctawhatchee Bay *West* 2017



# Choctawhatchee Bay East 1941

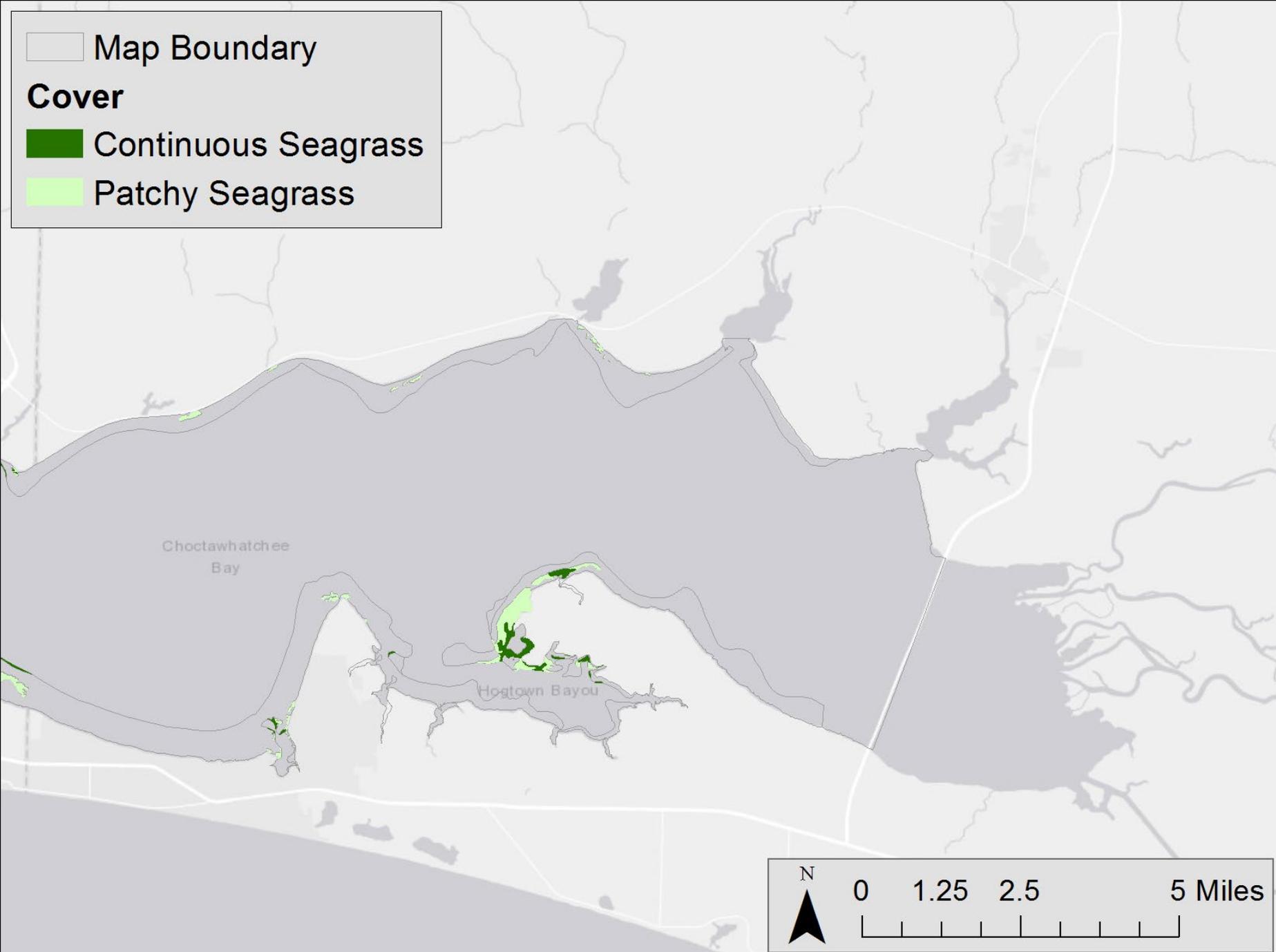


Map Boundary

Cover

Continuous Seagrass

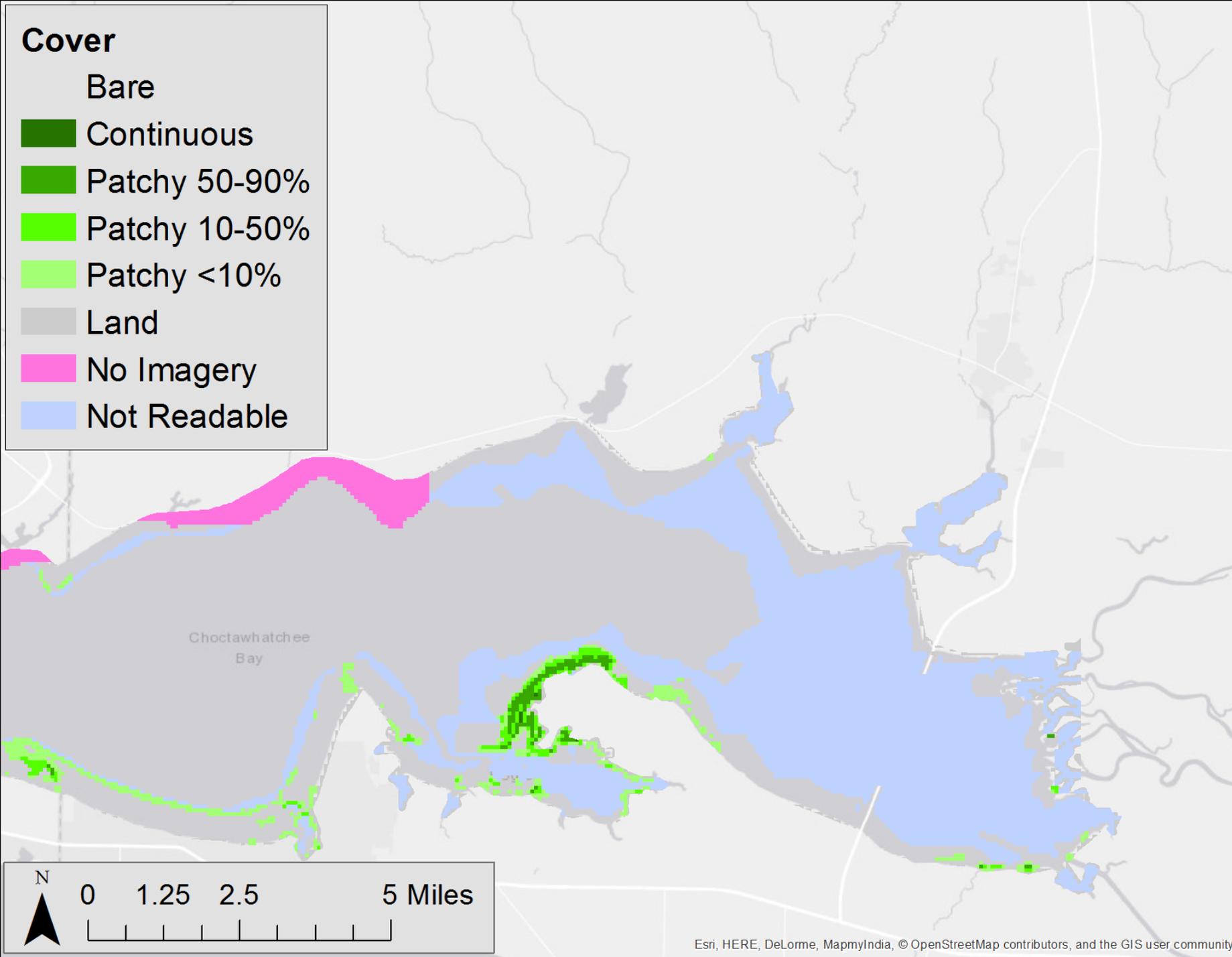
Patchy Seagrass



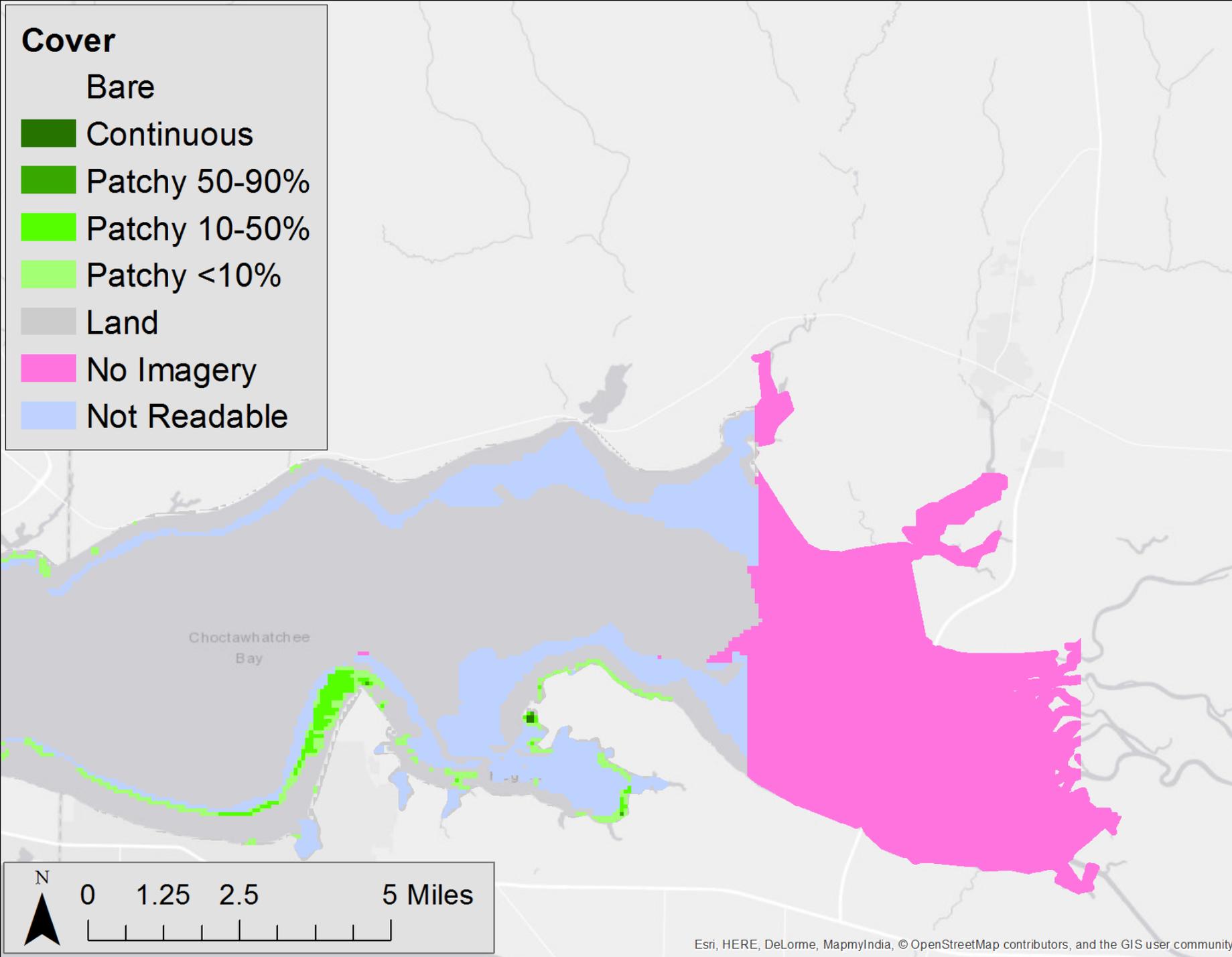
# Choctawhatchee Bay *East* 1955



# Choctawhatchee Bay *East* 1969



# Choctawhatchee Bay *East* 1974

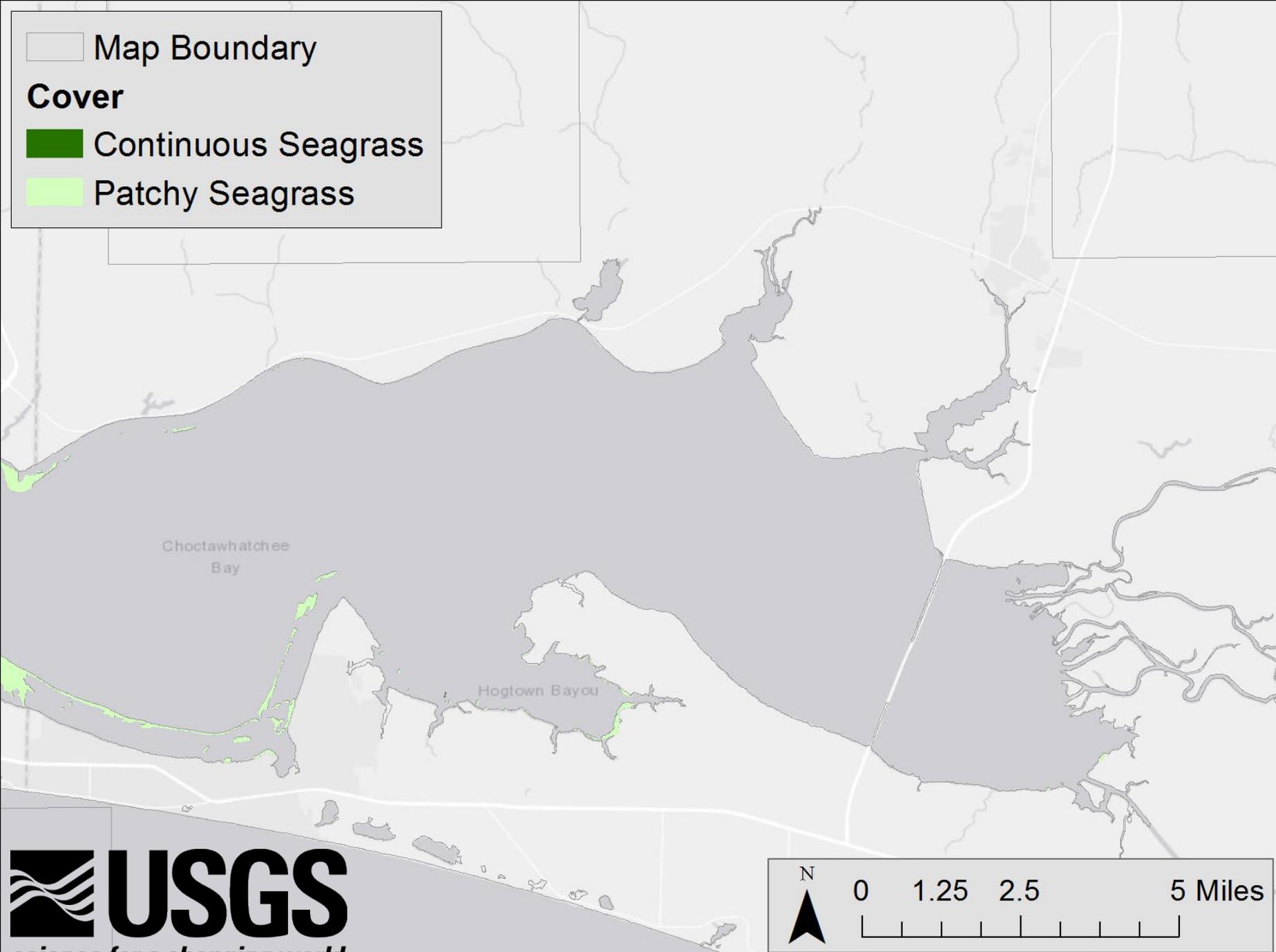


Map Boundary

**Cover**

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *East* 1992

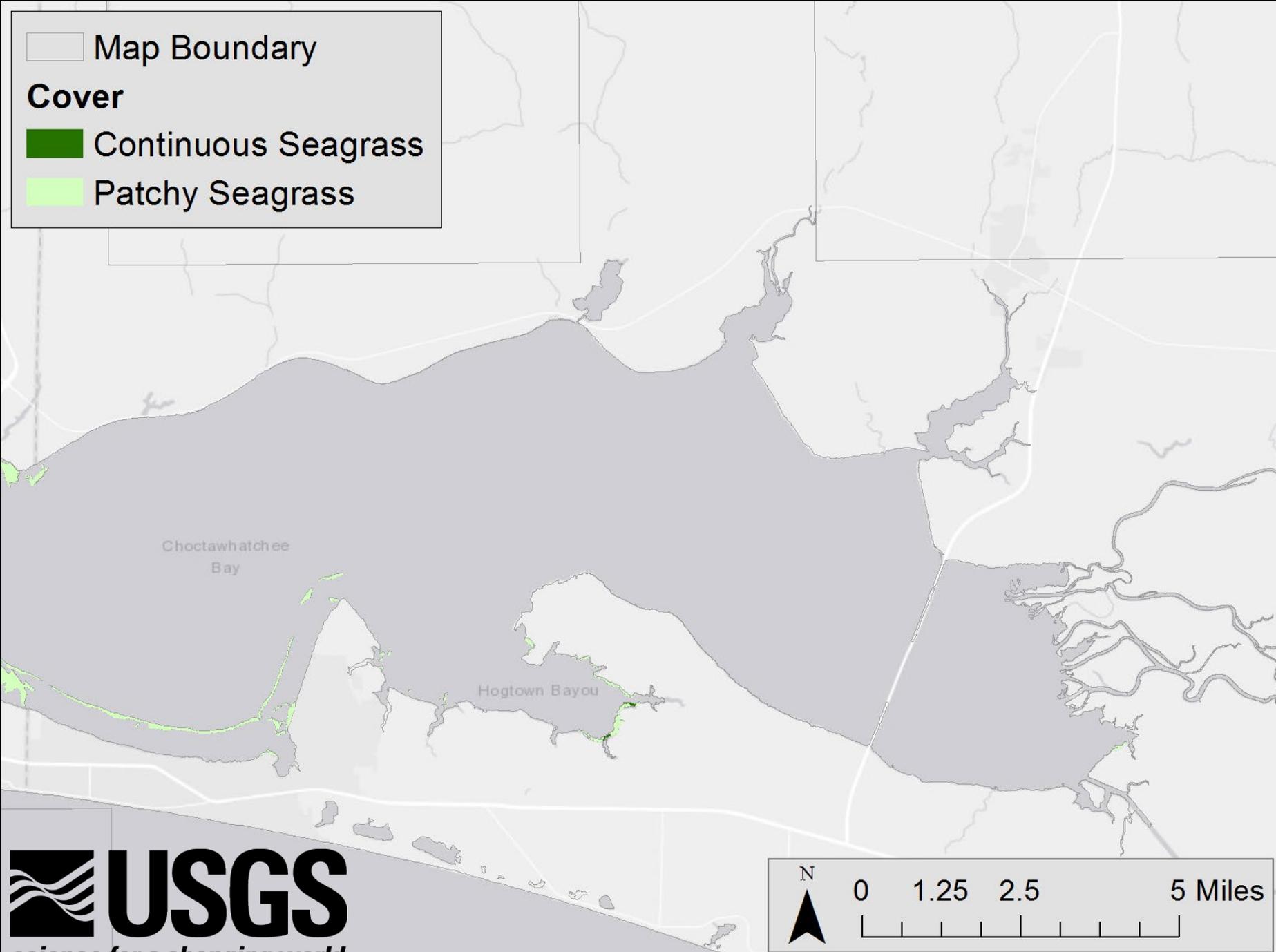


Map Boundary

**Cover**

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *East* 2003

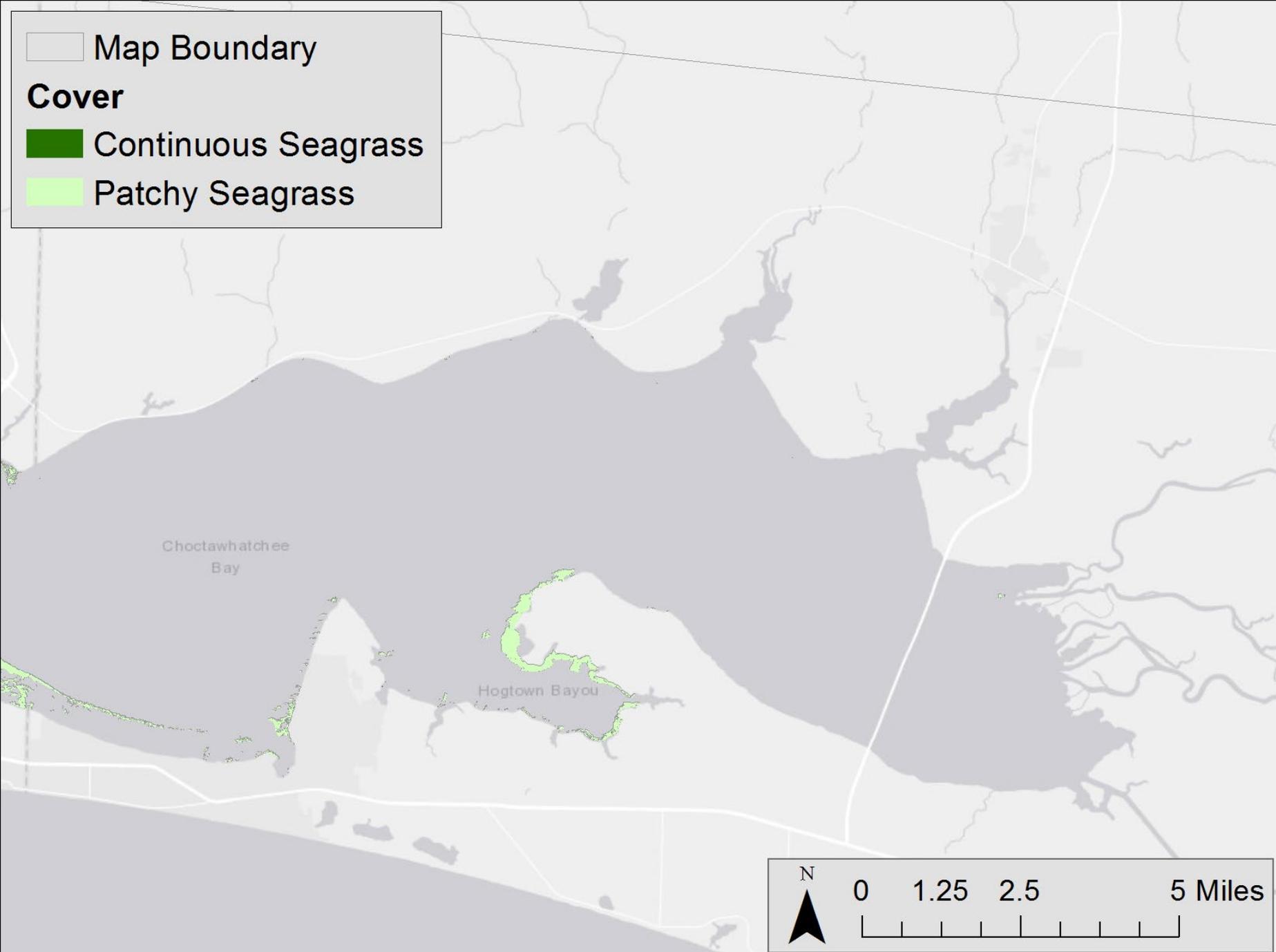


Map Boundary

**Cover**

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *East* 2007

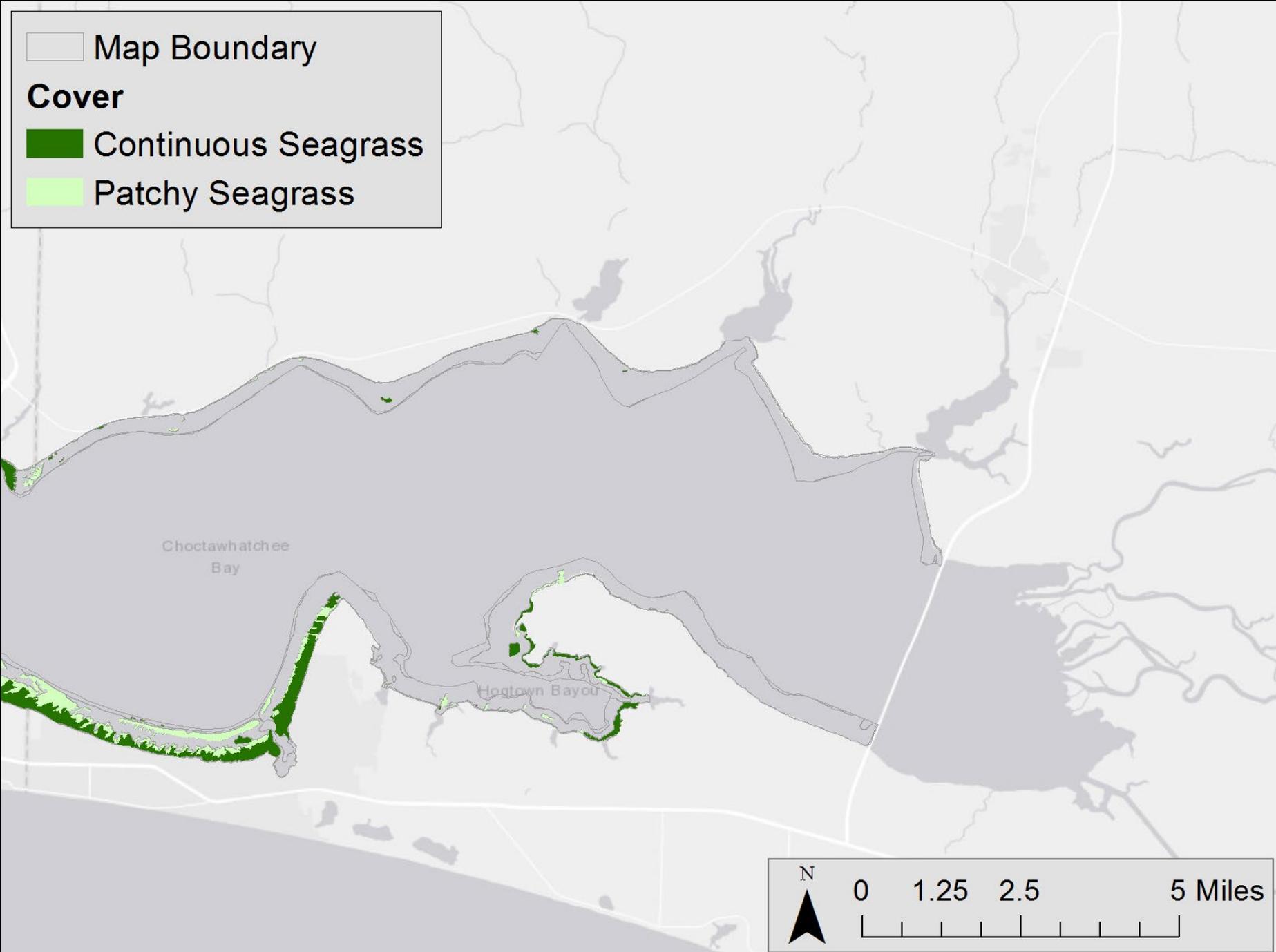


Map Boundary

Cover

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *East* 2015

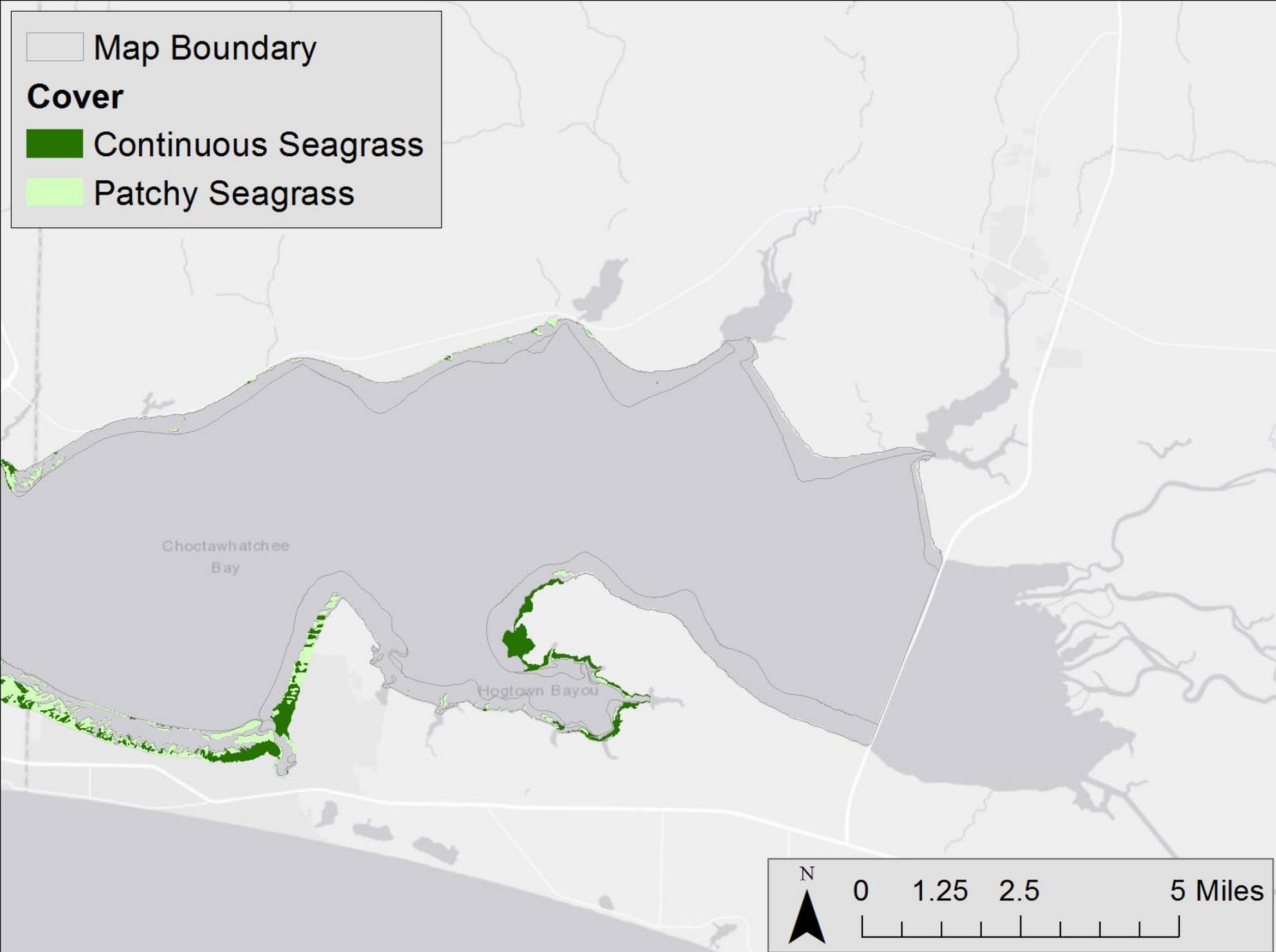


Map Boundary

**Cover**

Continuous Seagrass

Patchy Seagrass



# Choctawhatchee Bay *East* 2017

