

Roadblocks to Seagrass Recovery

Seagrass Recovery Potential Model for Panhandle estuaries

Sediment Sulfide Concentrations



What these data show

This dataset shows sulfide concentrations in sediments collected from Florida panhandle estuaries, including: Perdido Bay, Big Lagoon, Pensacola Bay, Escambia Bay, East Pensacola Bay, Santa Rosa Sound, Choctawhatchee Bay, St. Andrew Bay, and St. Joseph Bay.

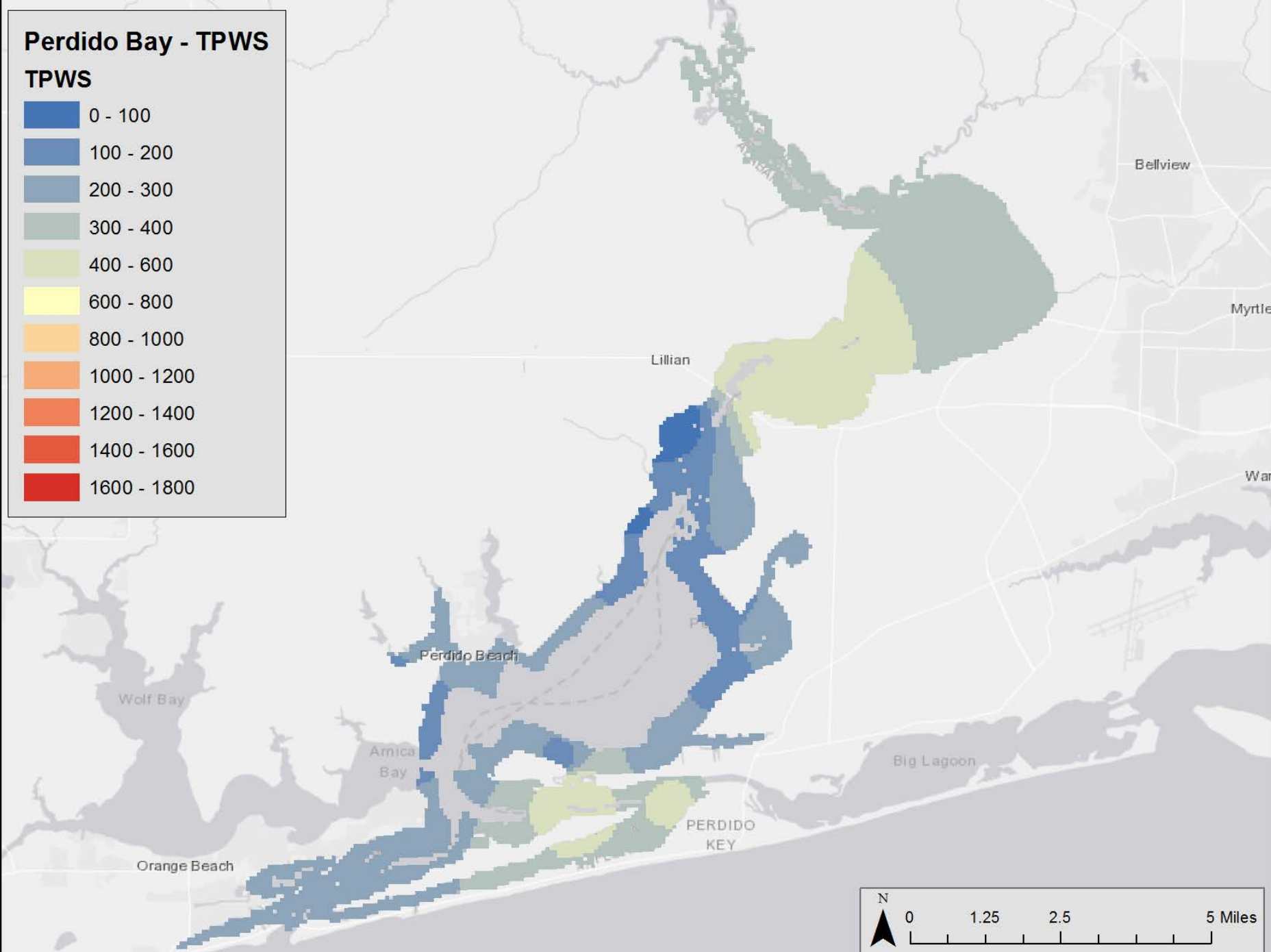
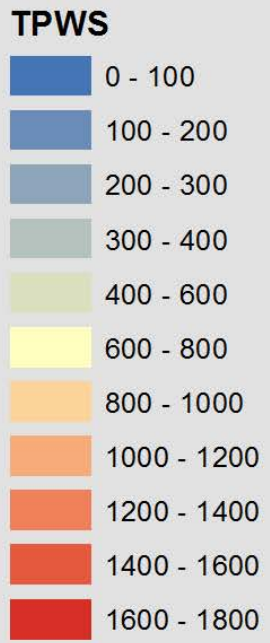
Sediment sulfide concentrations in $\mu\text{moles per liter}$ were measured in cores of sediment collected at sites in each estuary in the fall of 2016. Two measurements were made from each core: 1) in the top 2 cm of sediment (TPWS) and; 2) at 8-10 cm below the sediment surface (BPWS).

Data are displayed in grids 1- ha in area each estuary. These data were combined with data previously collected by the U.S. Geological Survey. To fill the grid cells, the data points were interpolated across each estuary.

The projection of the shapefiles is NAD83 UTM Zone 16N.

This project was completed by the Florida Fish and Wildlife Conservation Commission Fish and Wildlife Research Institute and funded by the Gulf Environmental Benefit Fund of the National Fish and Wildlife Federation.

Perdido Bay - TPWS

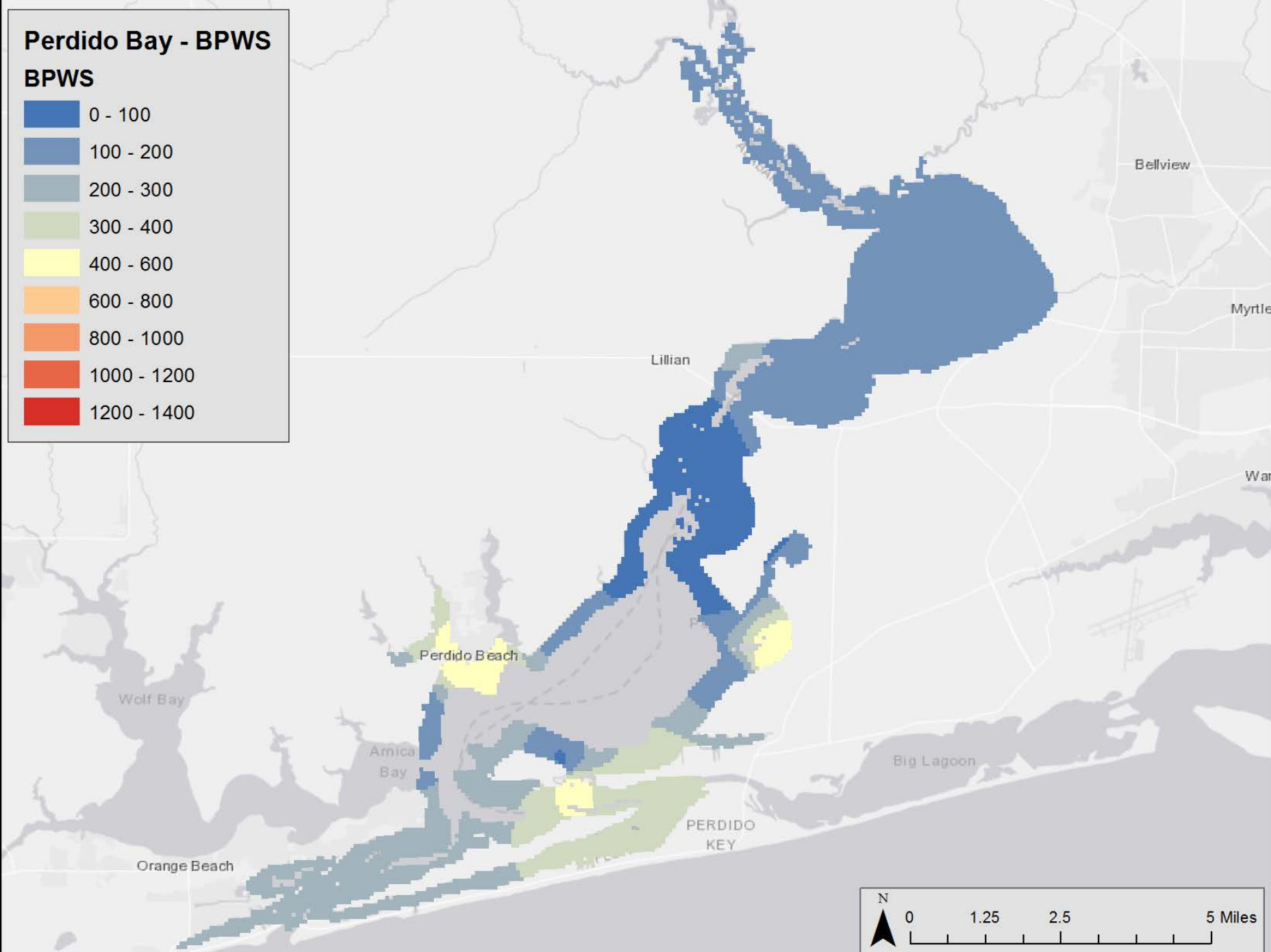
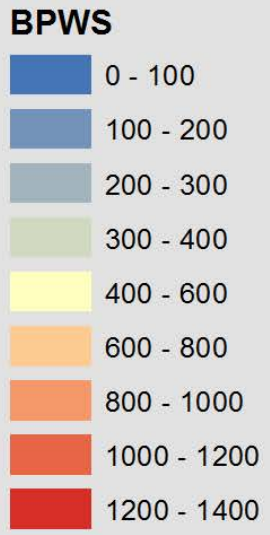


Perdido Bay

Sediment
surface sulfide



Perdido Bay - BPWS

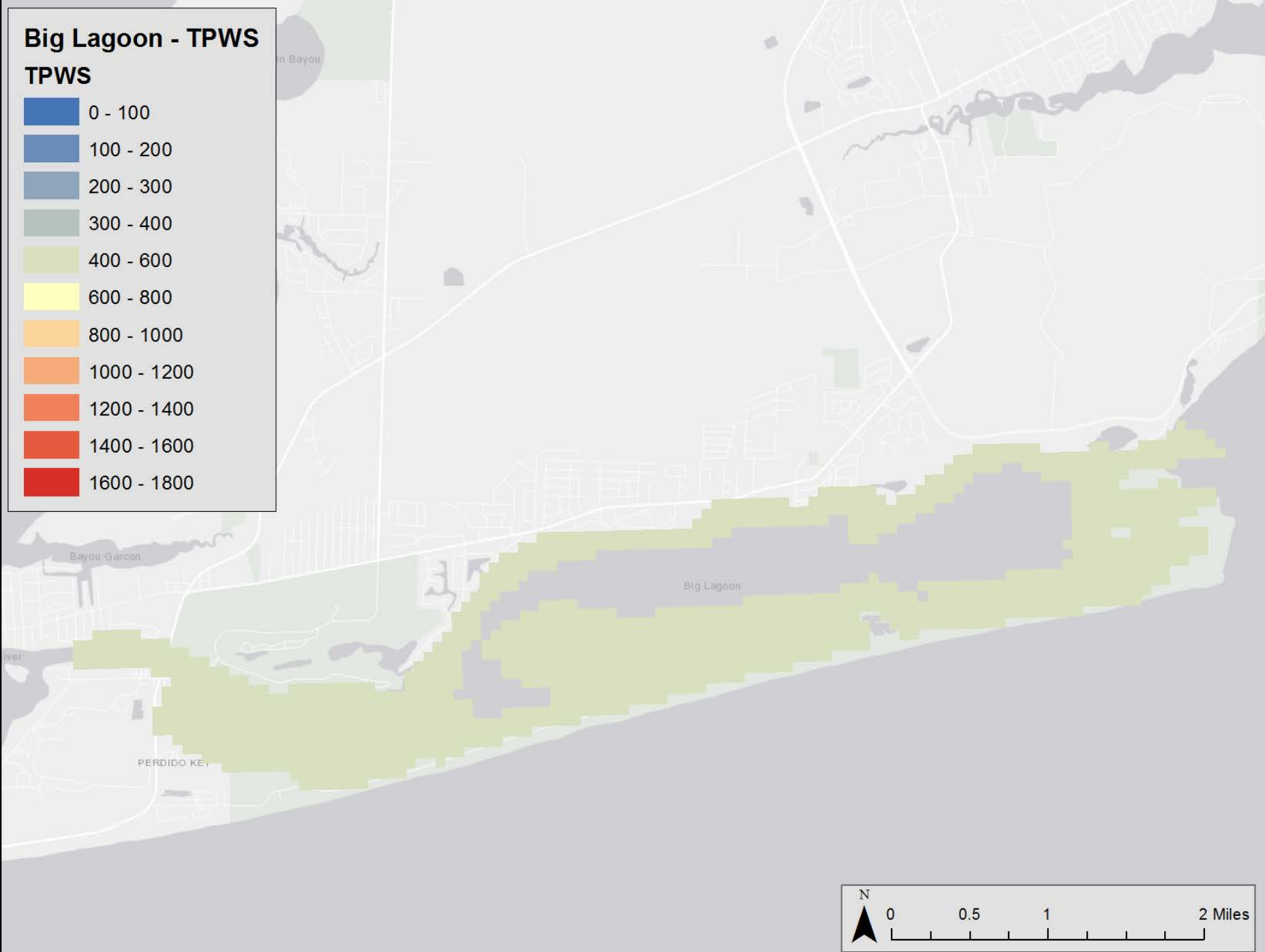
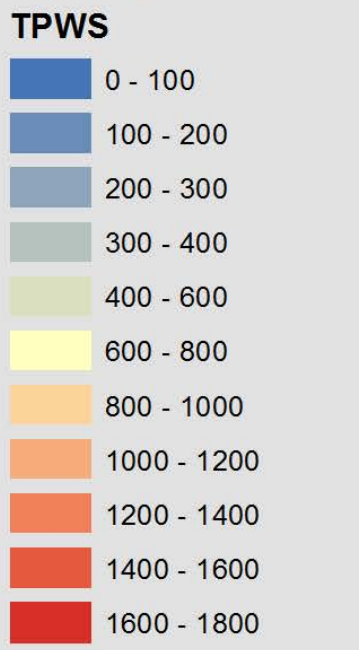


Perdido Bay

Sediment sulfide at 8-10 cm depth



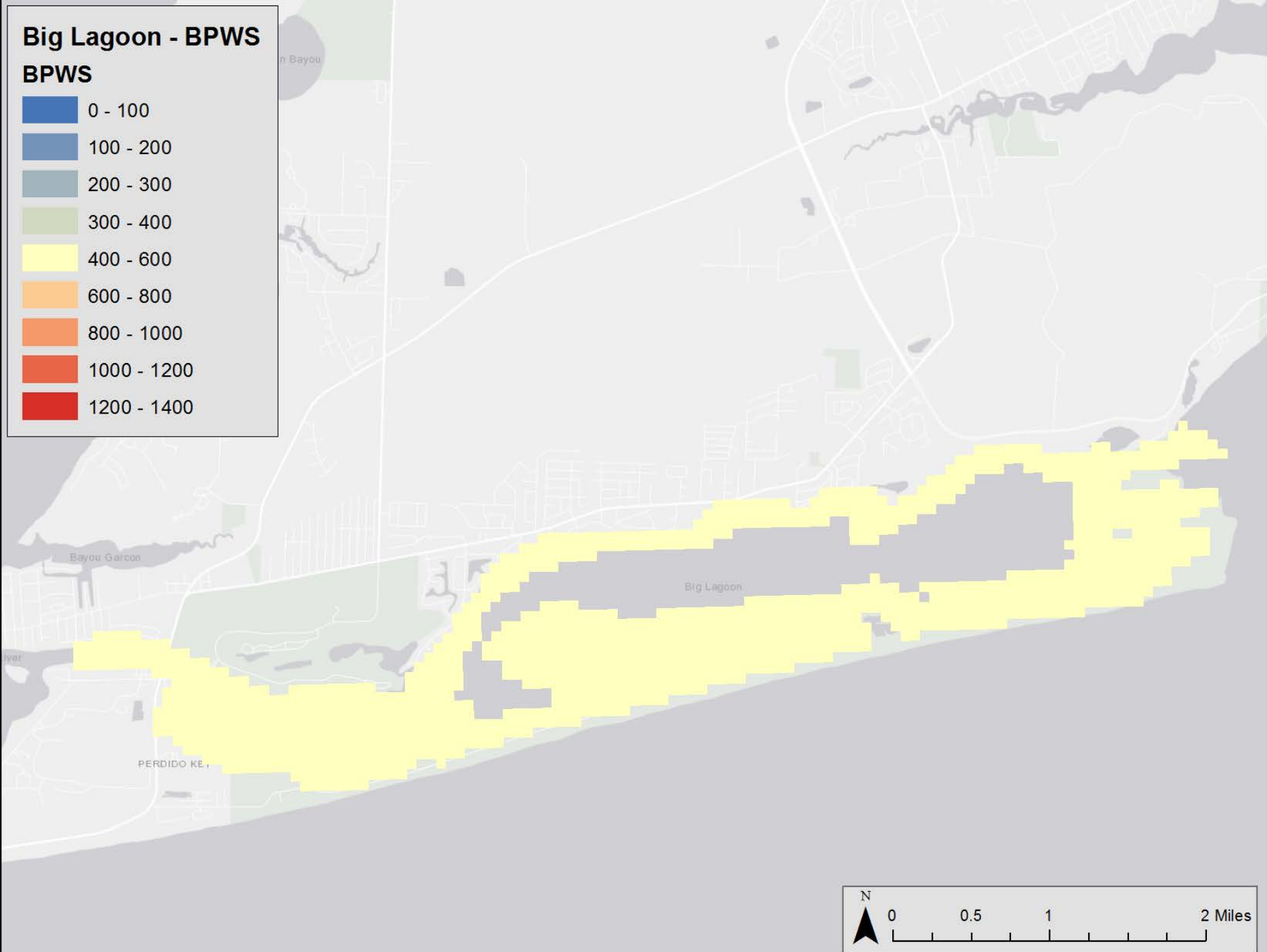
Big Lagoon - TPWS



Big Lagoon

Sediment
surface sulfide





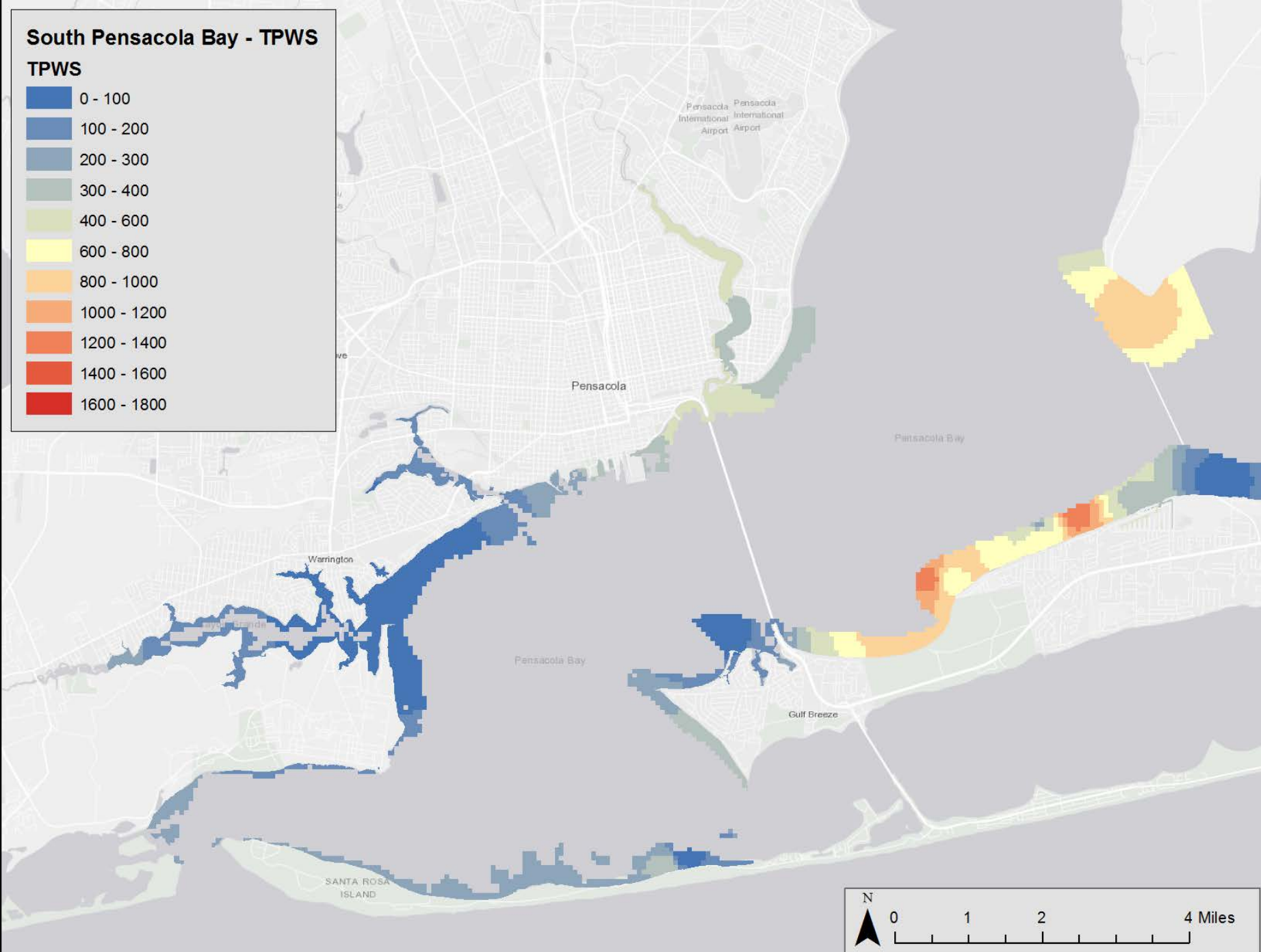
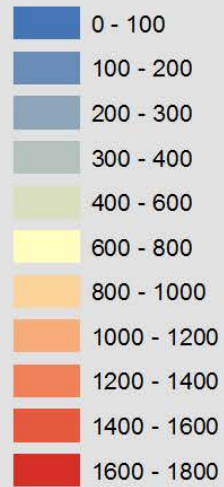
Big Lagoon

Sediment
sulfide at 8-10
cm depth



South Pensacola Bay - TPWS

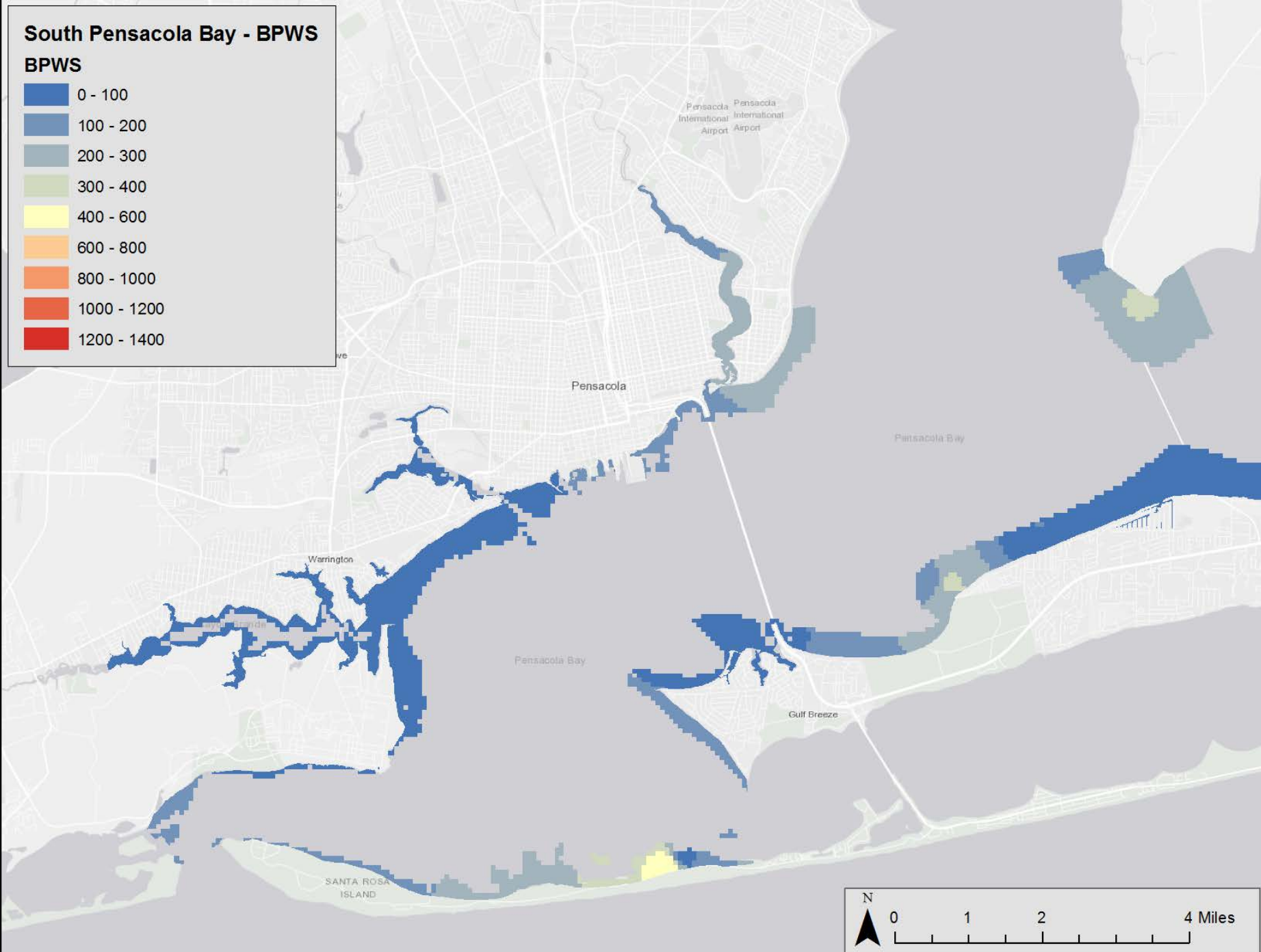
TPWS



Pensacola Bay

Sediment
surface sulfide





Pensacola Bay

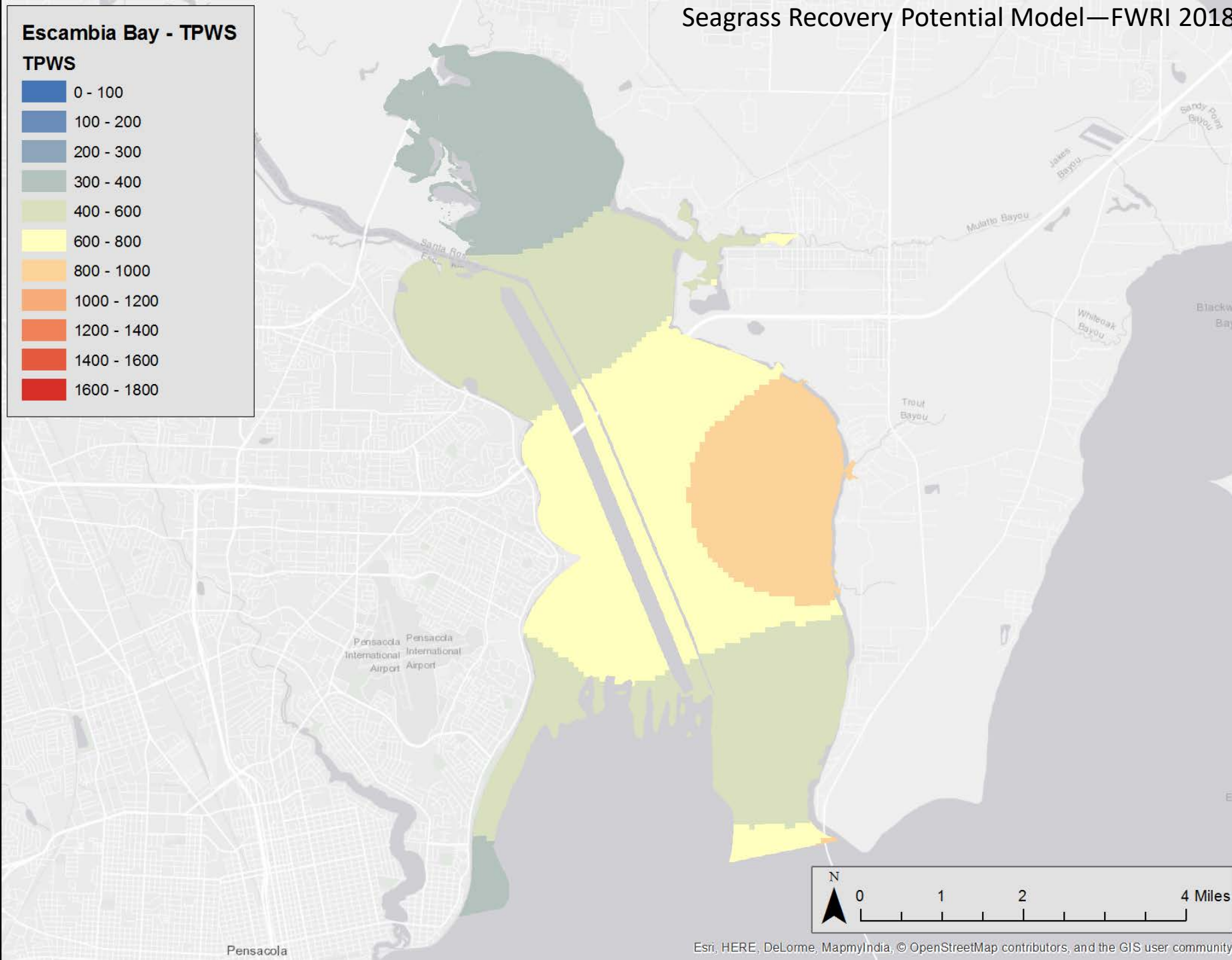
Sediment
sulfide at 8-10
cm depth



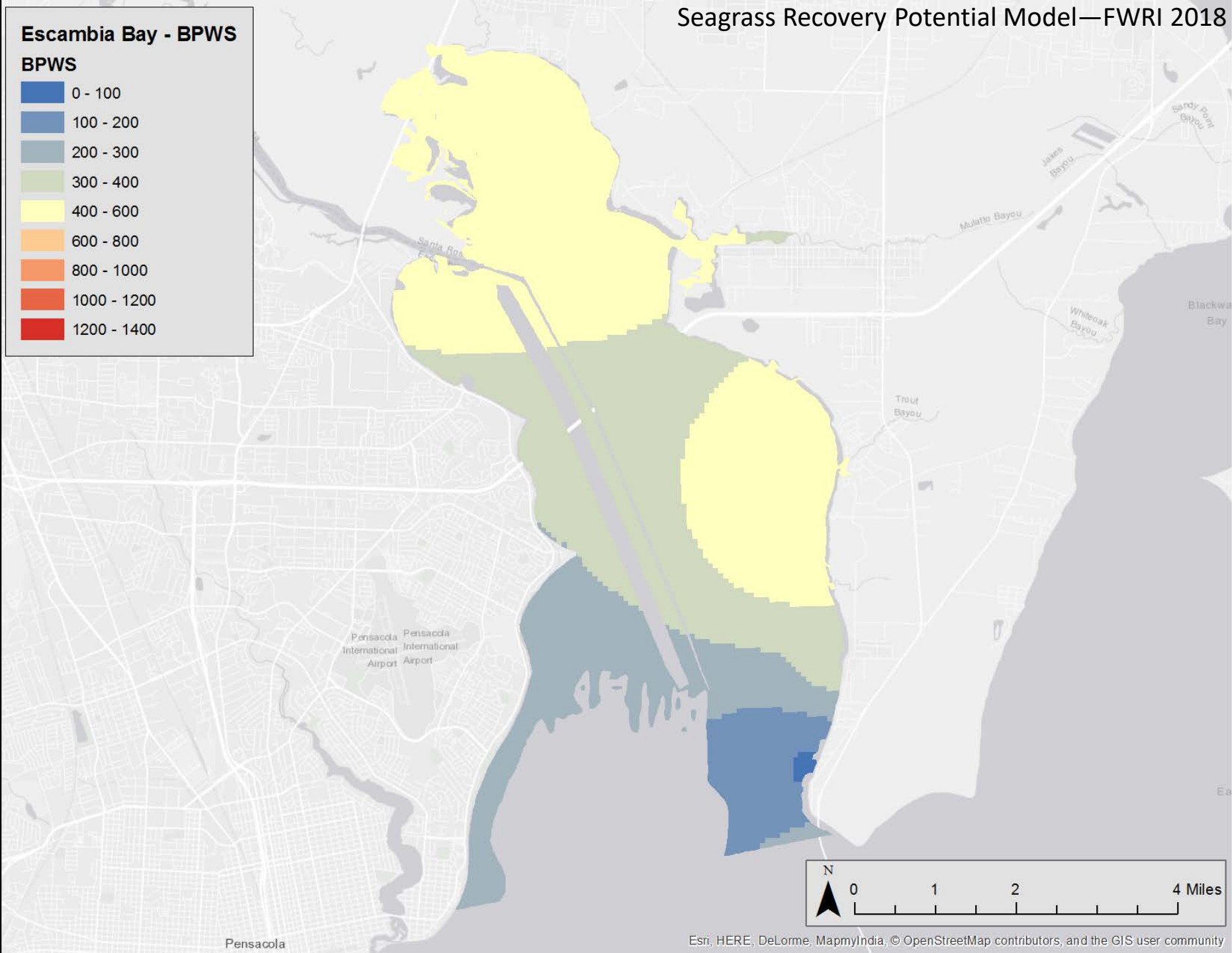
Seagrass Recovery Potential Model—FWRI 2018

Escambia Bay

Sediment
surface sulfide



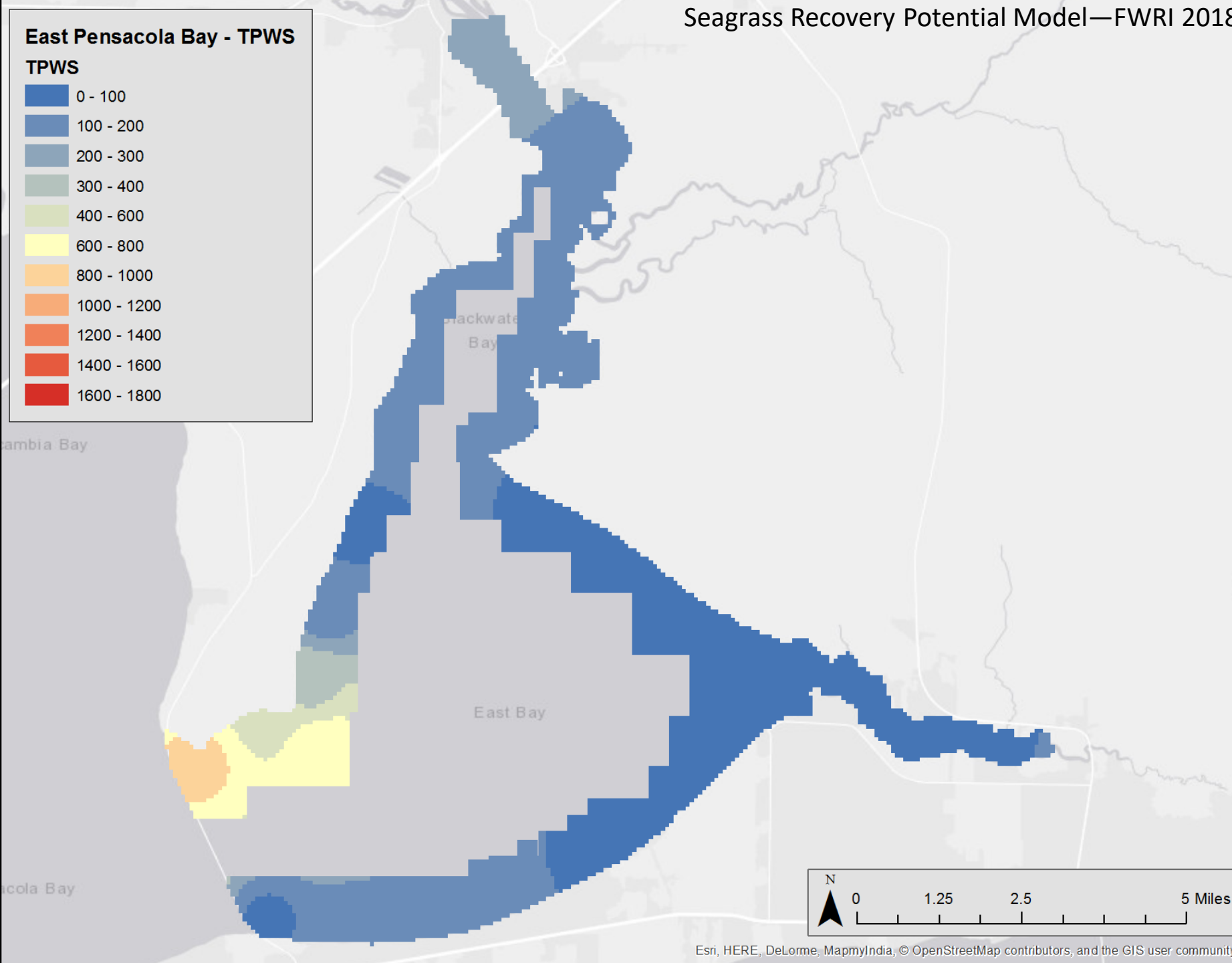
Seagrass Recovery Potential Model—FWRI 2018



Escambia Bay

Sediment
sulfide at 8-10
cm depth





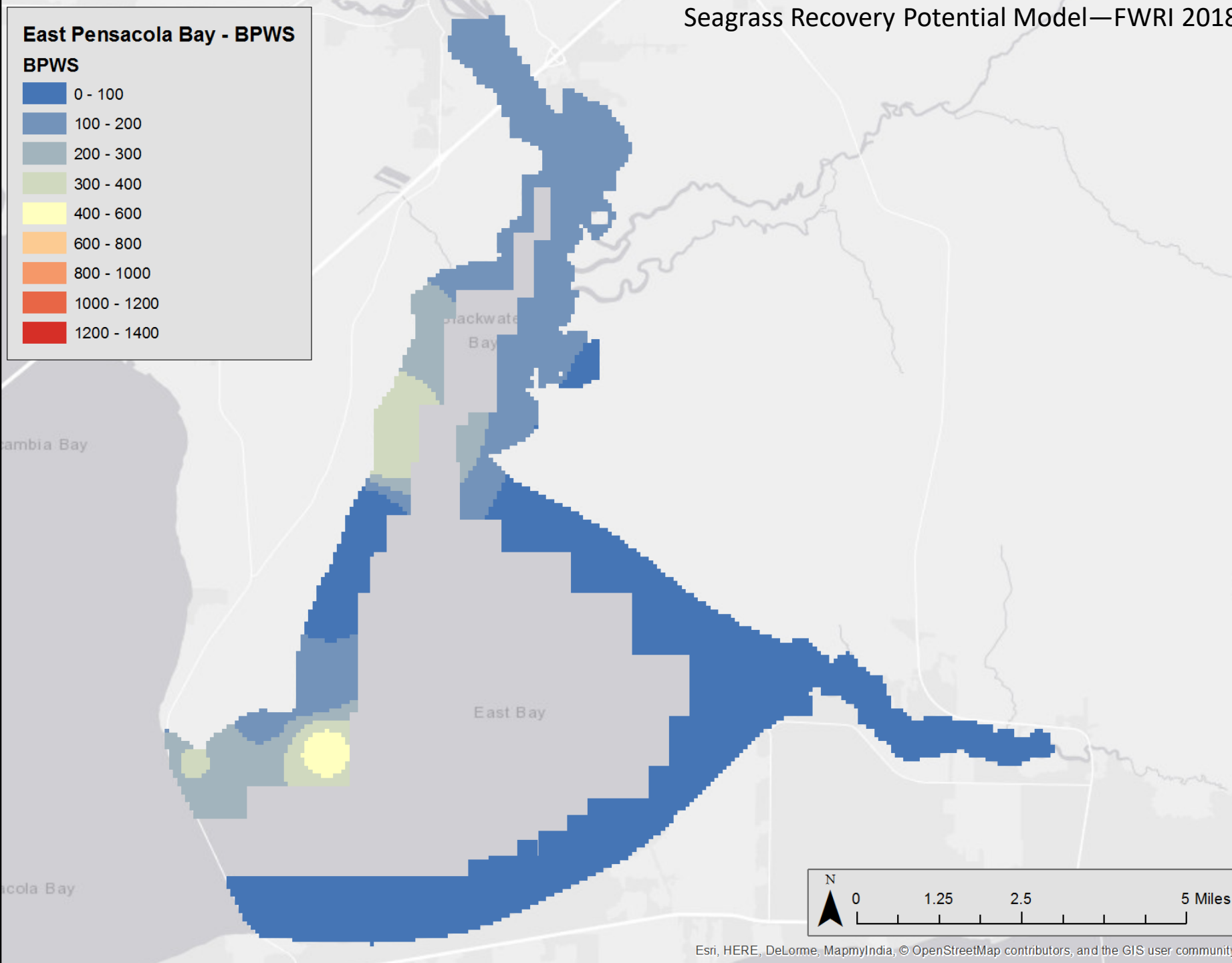
East Bay
Pensacola Bay

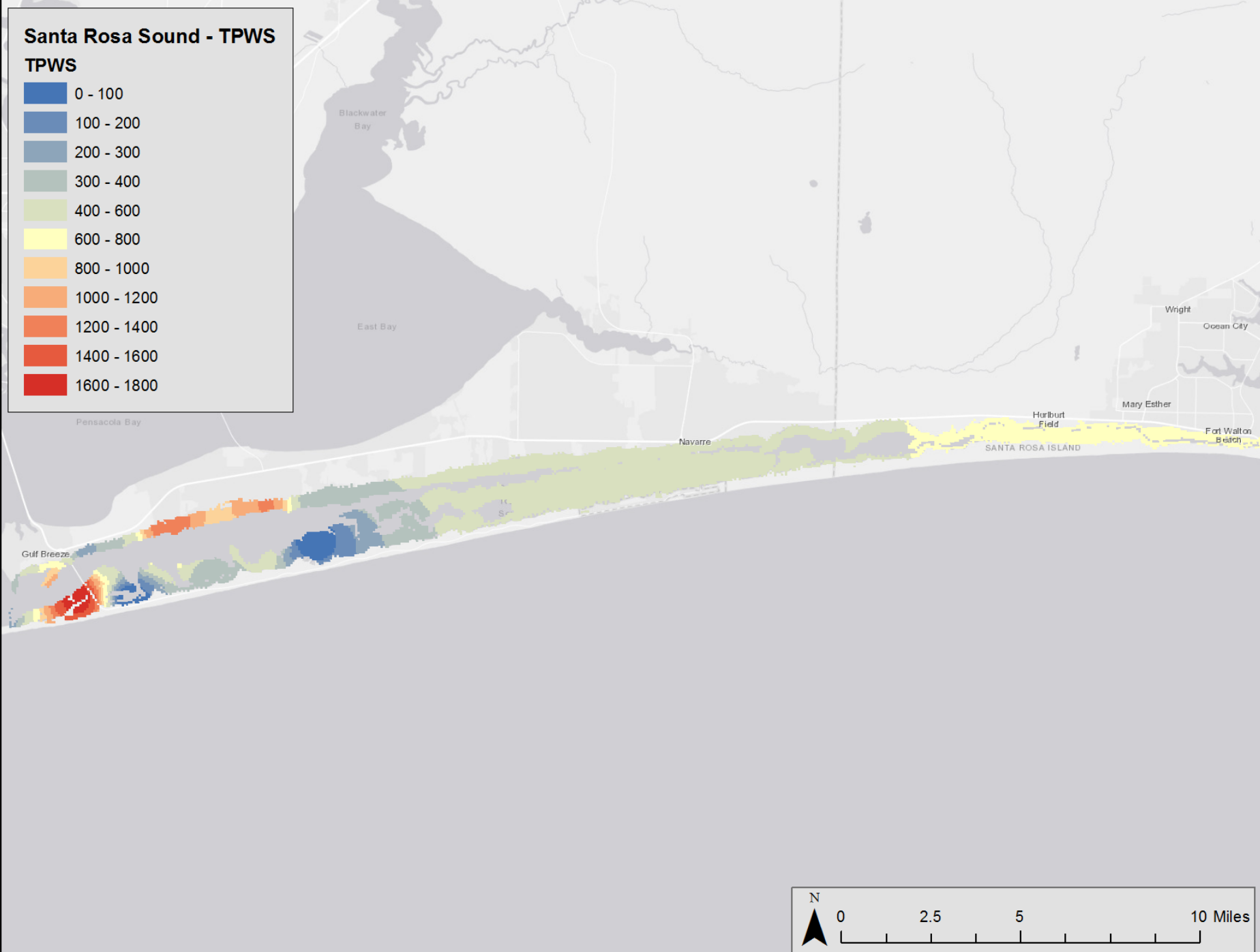
Sediment
surface sulfide



East Bay Pensacola Bay

Sediment
sulfide at 8-10
cm depth





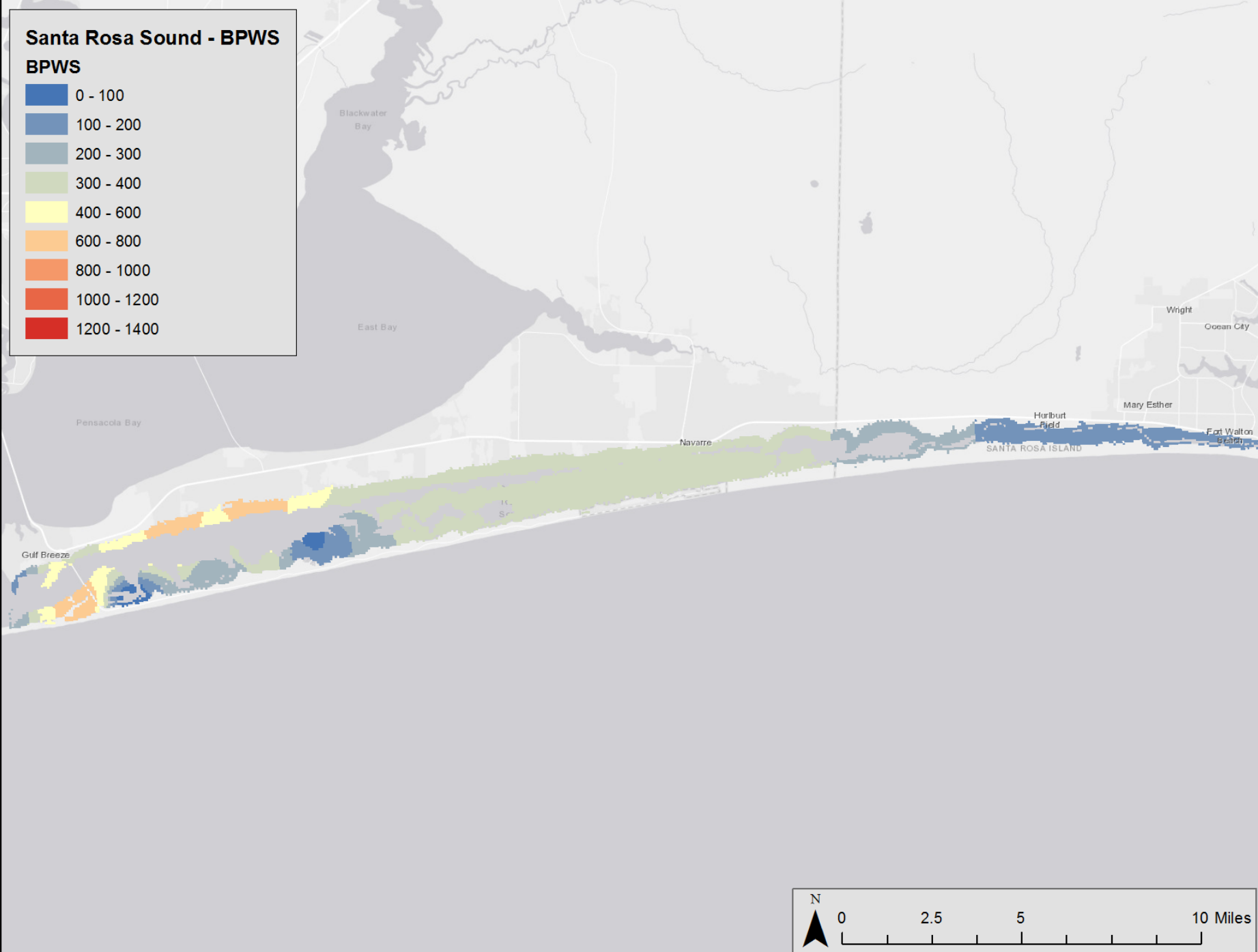
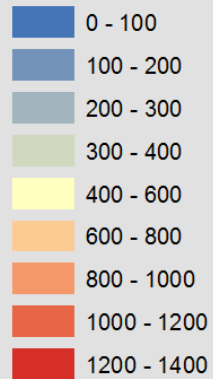
Santa Rosa Sound

Sediment surface sulfide



Santa Rosa Sound - BPWS

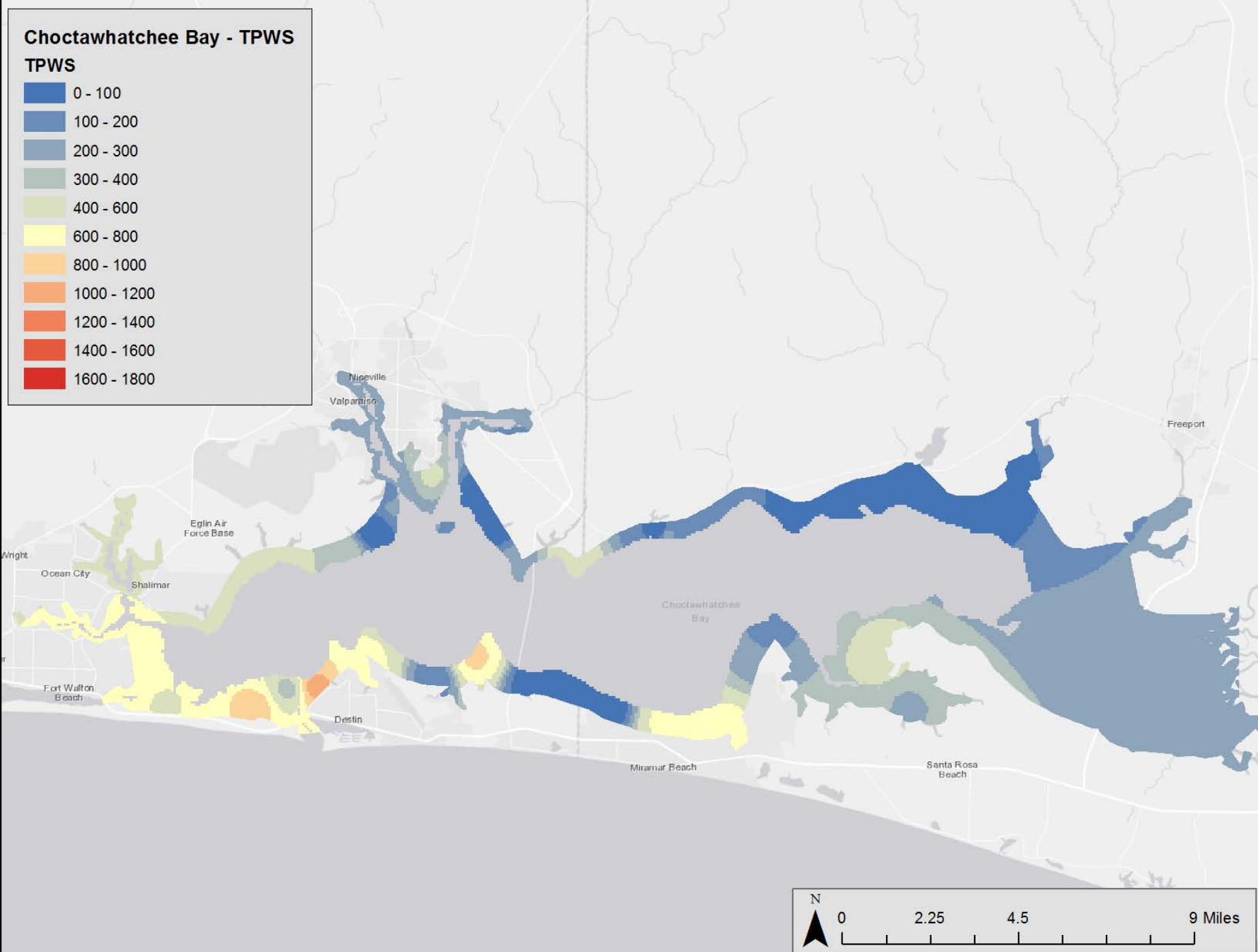
BPWS



Santa Rosa Sound

Sediment sulfide at
8-10 cm depth



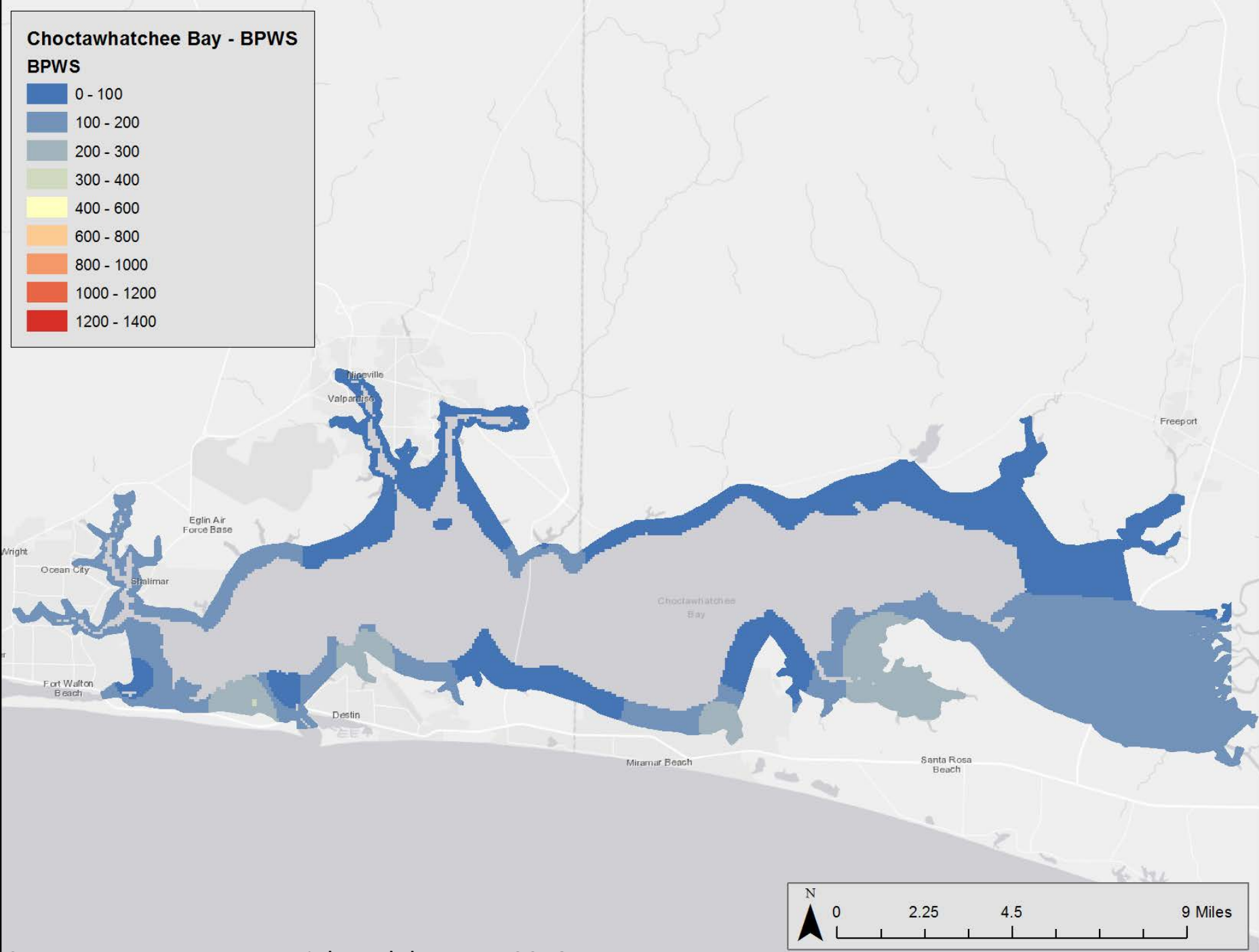


Choctawhatchee Bay

Sediment surface sulfide



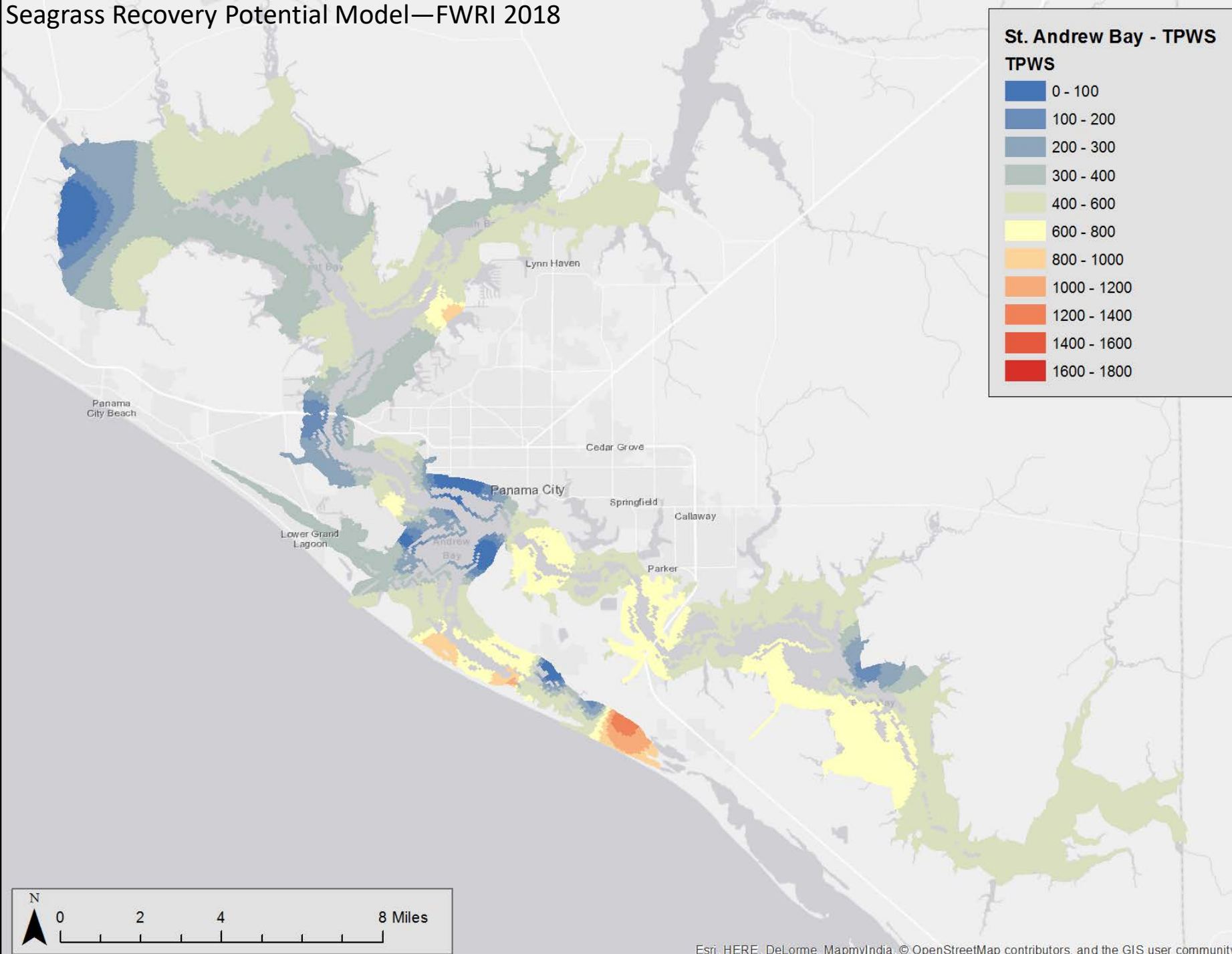
Choctawhatchee Bay - BPWS



Choctawhatchee Bay

Sediment sulfide at 8-10 cm depth

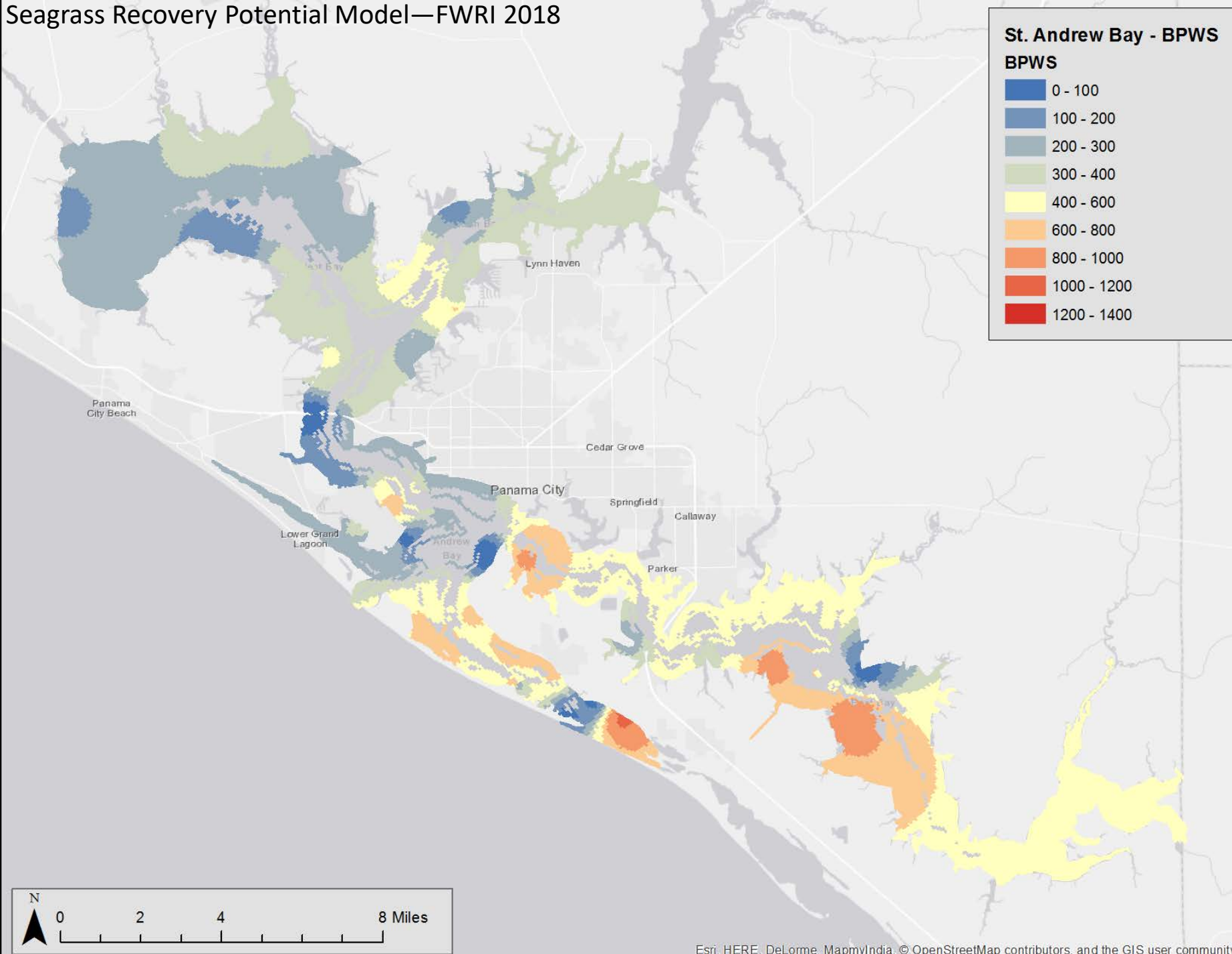




St. Andrew Bay

Sediment surface
sulfide





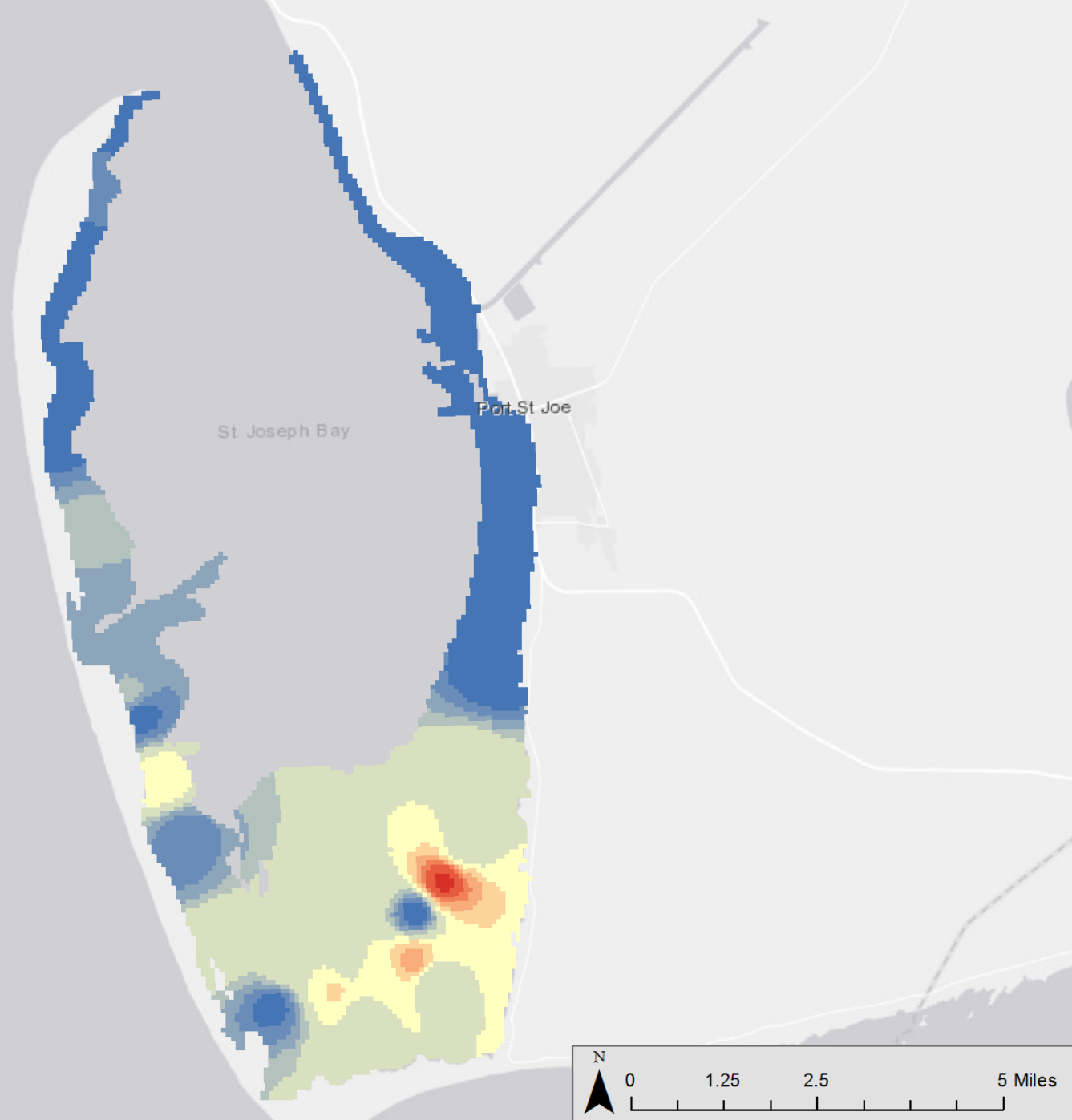
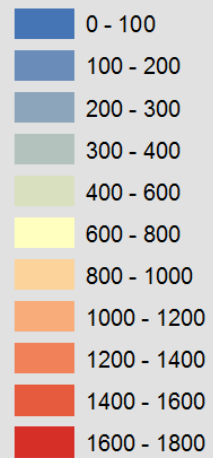
St. Andrew Bay

Sediment sulfide at
8-10 cm depth



St. Joseph Bay - TPWS

TPWS



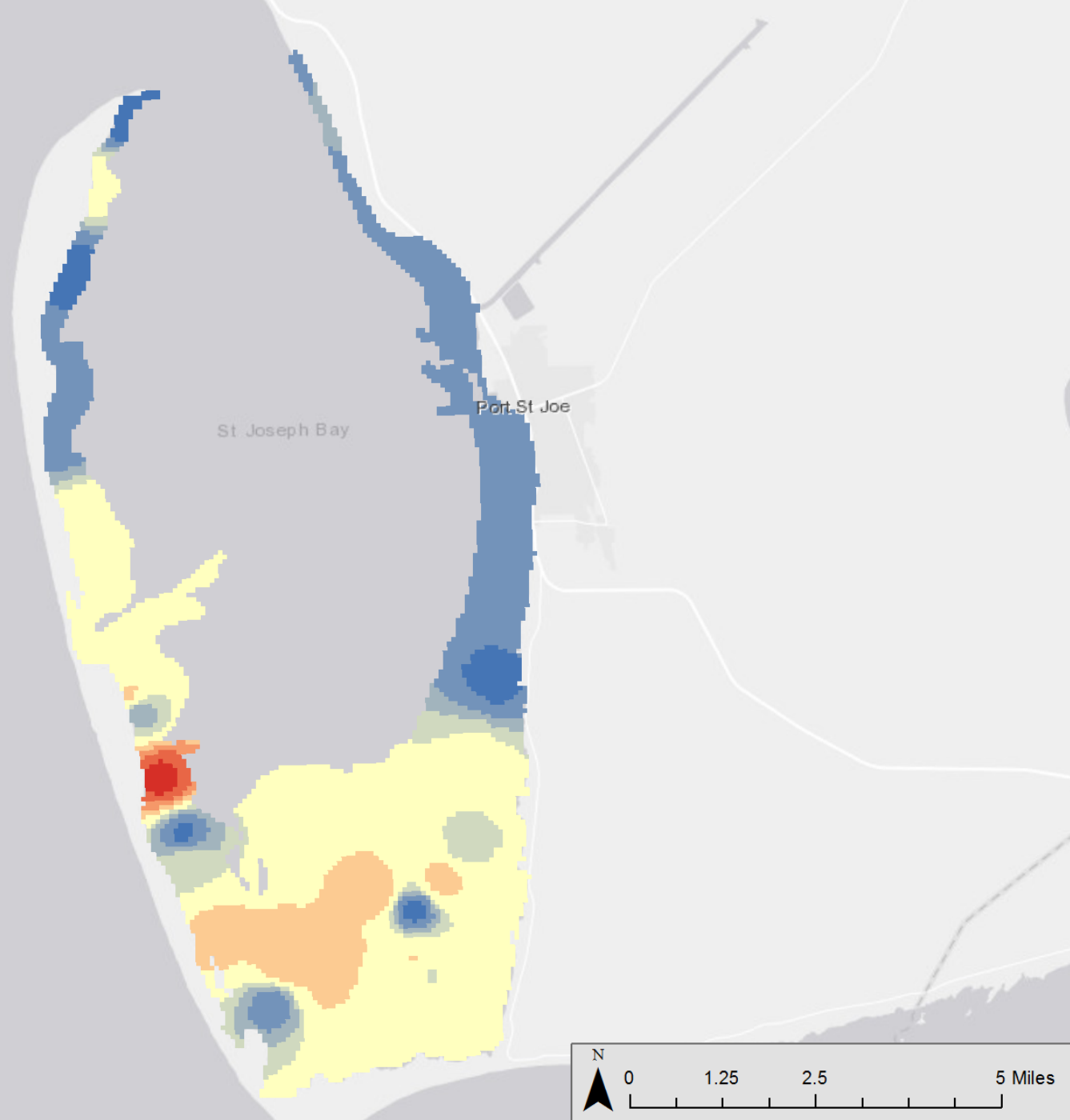
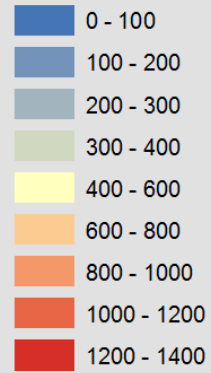
St. Joseph Bay

Sediment surface sulfide



St. Joseph Bay - BPWS

BPWS



St. Joseph Bay

Sediment sulfide at
8-10 cm depth

