OVERVIEW OF RECENT ANCLOTE RIVER STUDIES

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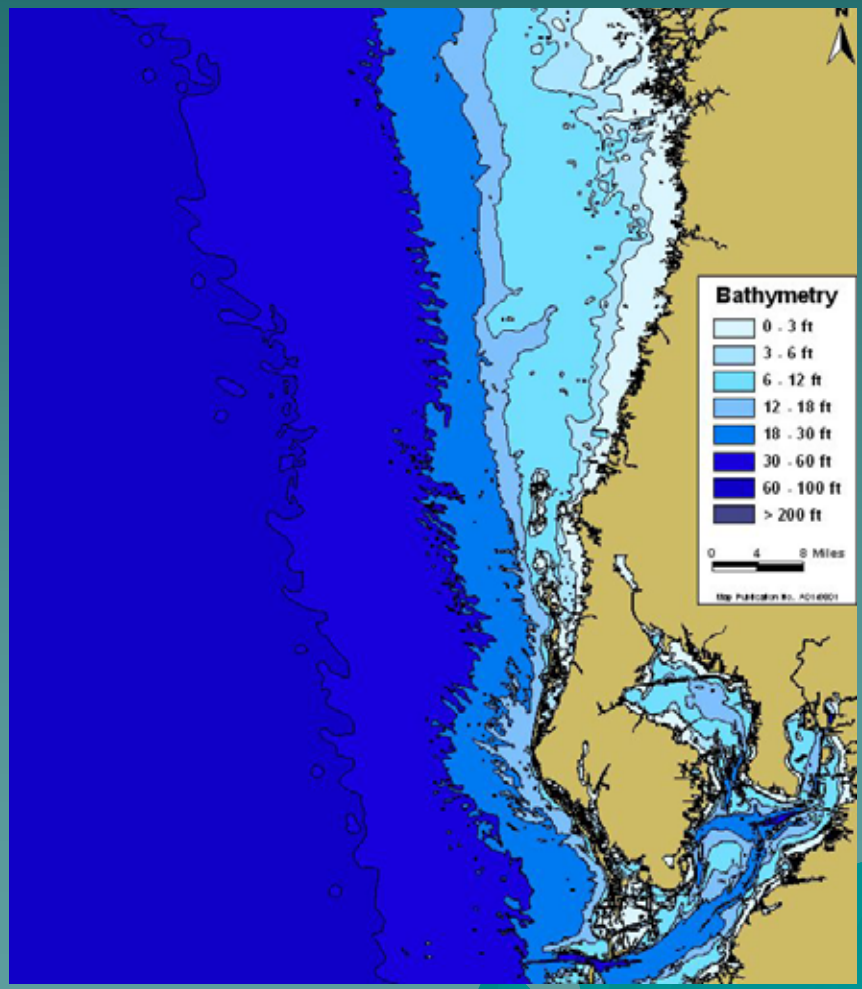
ANCLOTE RIVER STUDIES

Studies performed as part of:

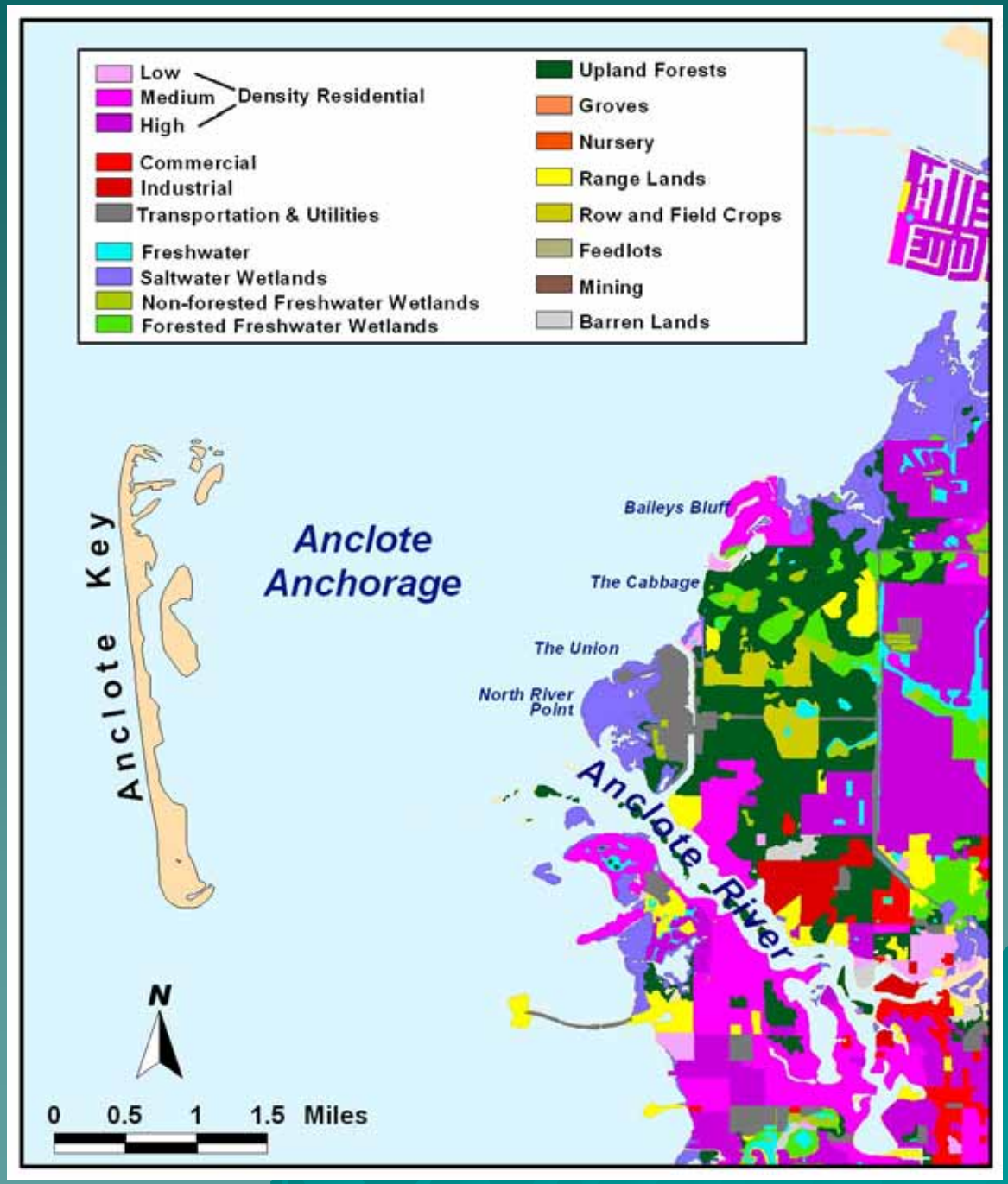
- **Gulf Coast Desalination Feasibility Study**
- **Starkey Wellfield Restoration Feasibility Study**

Two study areas:

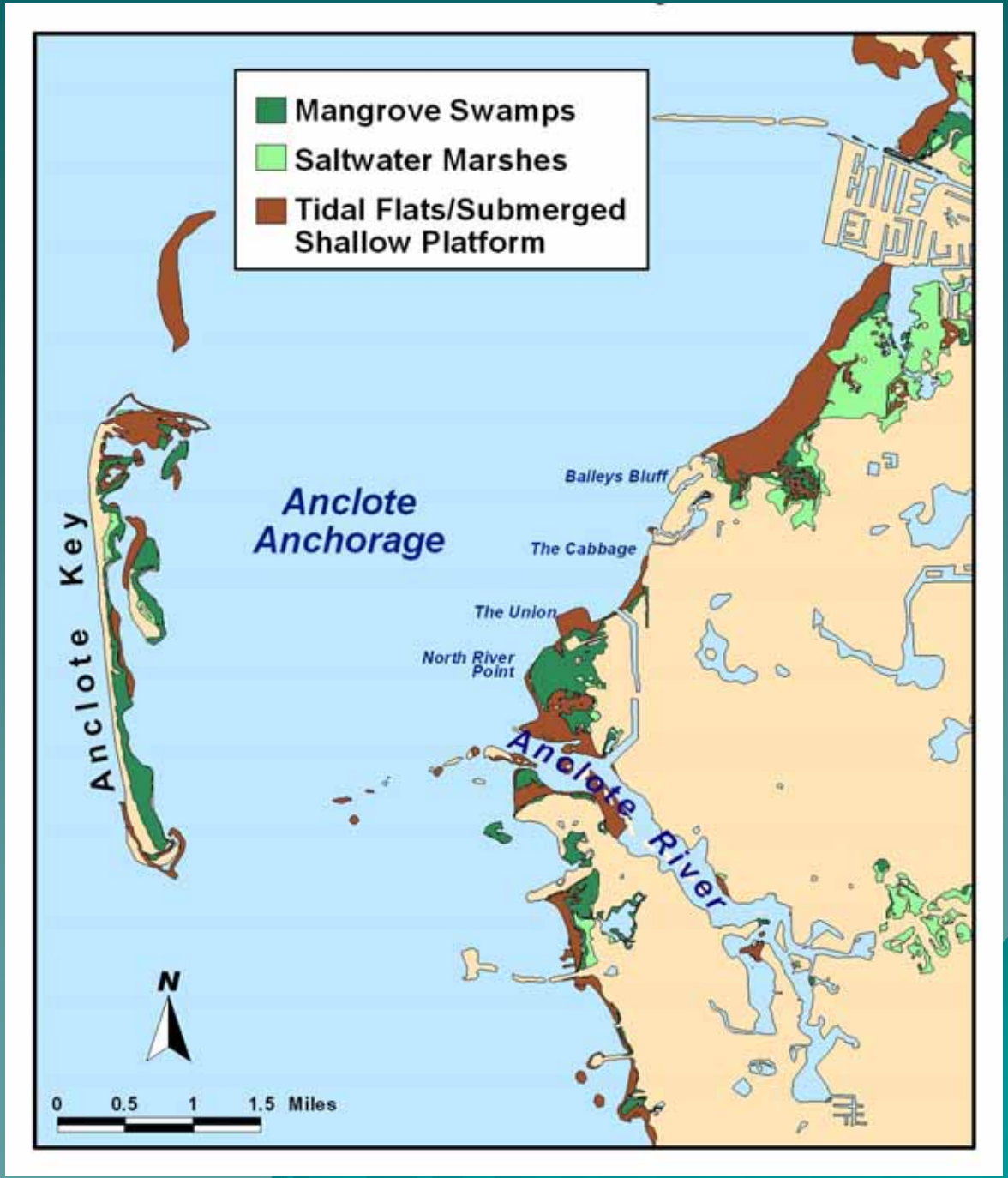
- **Anclote River**
- **Anclote Anchorage and adjacent waters**



Land Use Land Cover

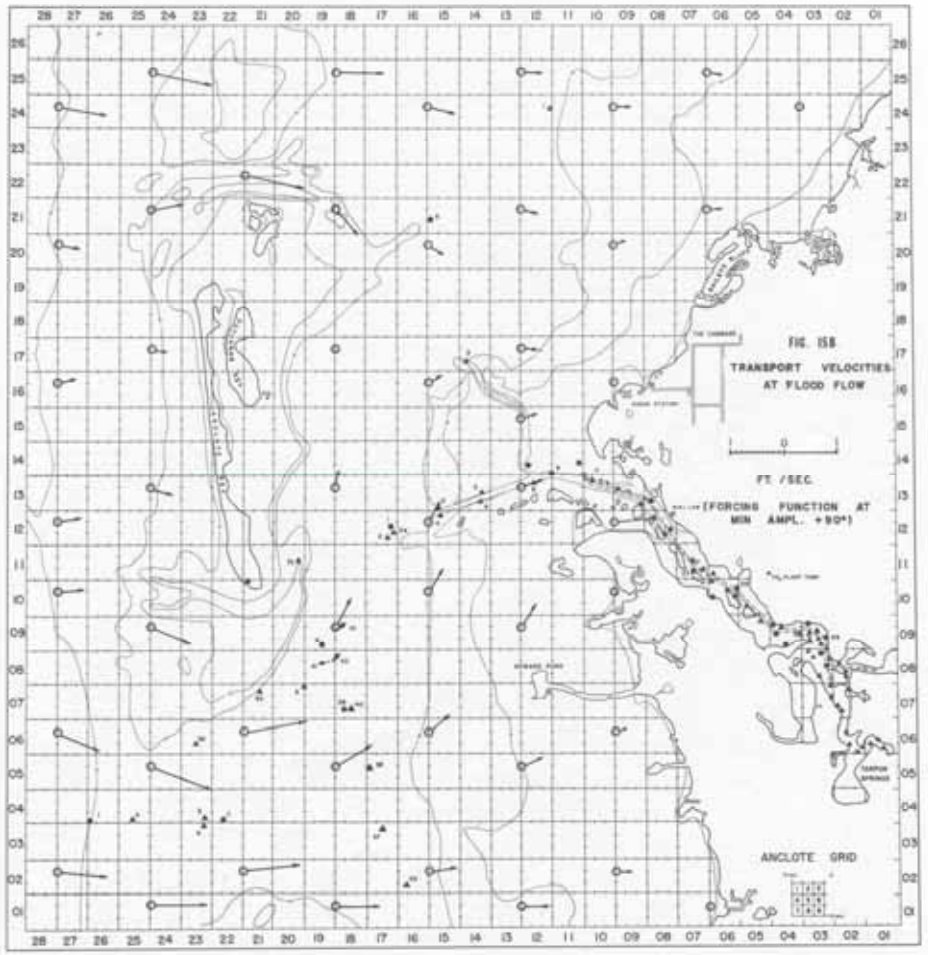


Shoreline Vegetation

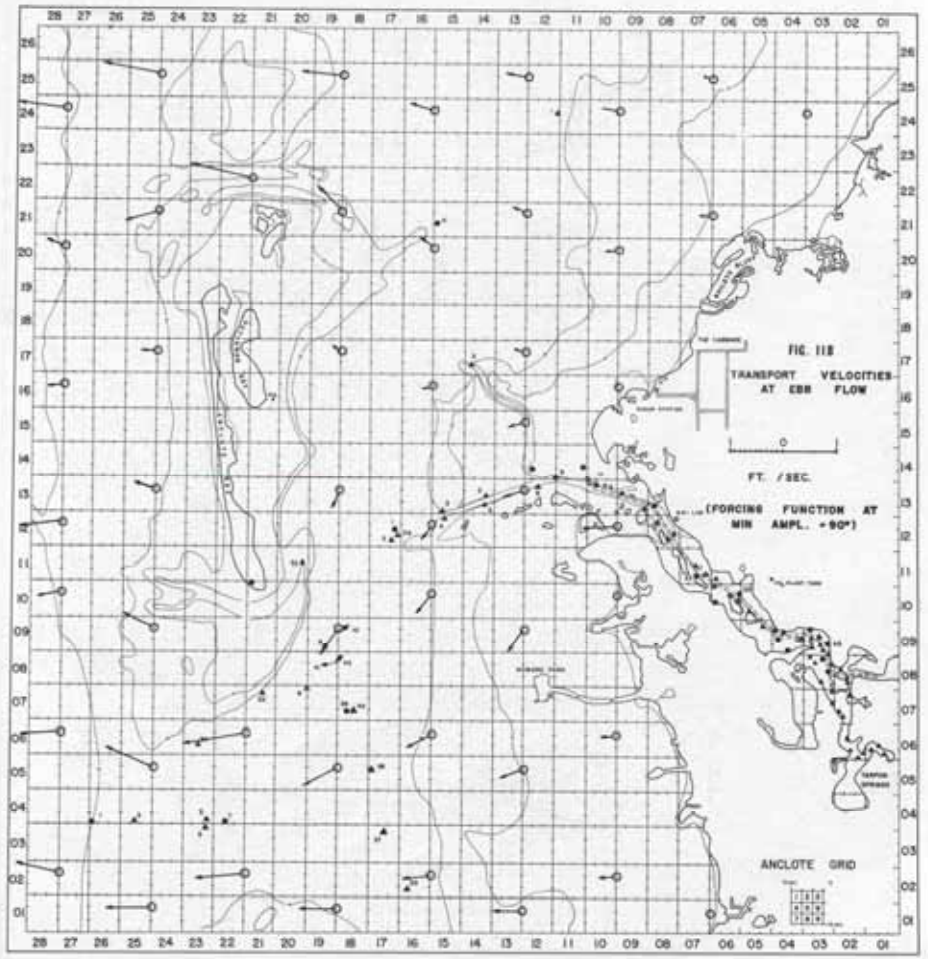


Circulation

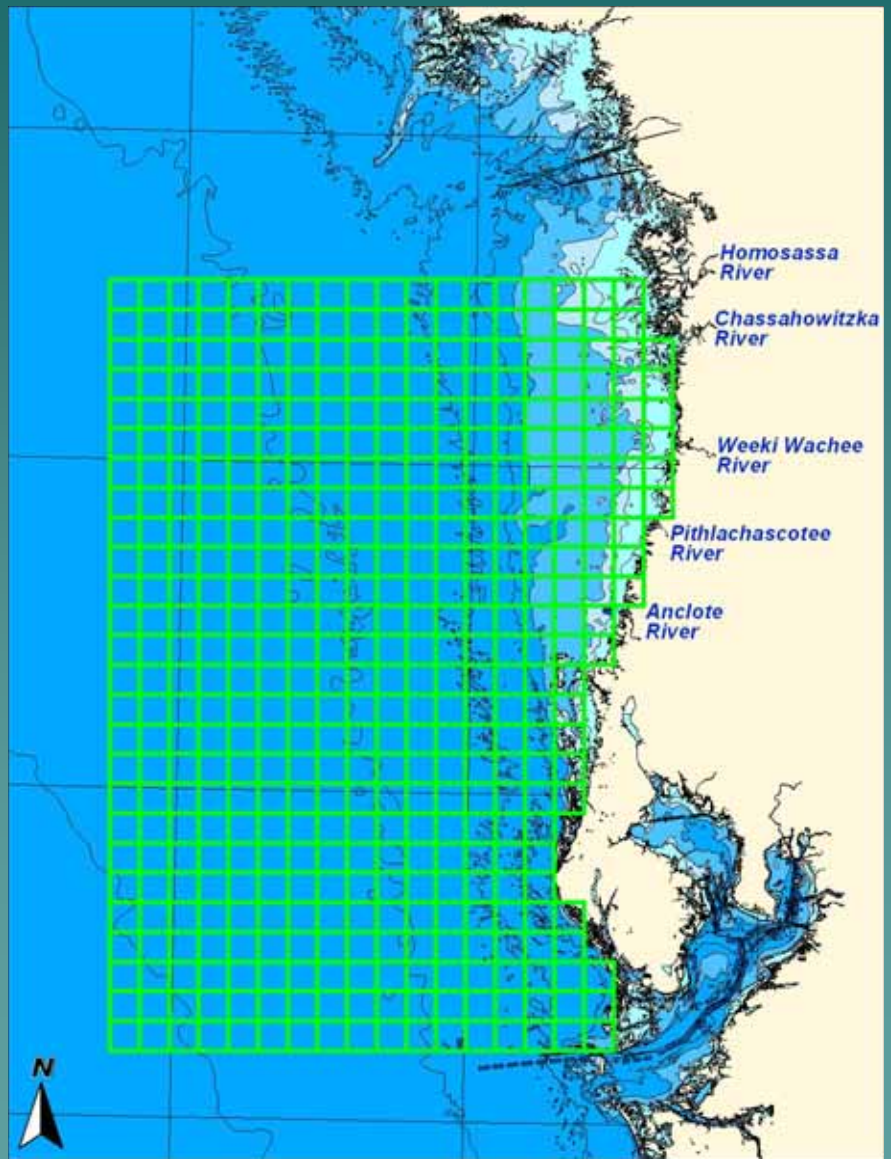
FLOOD

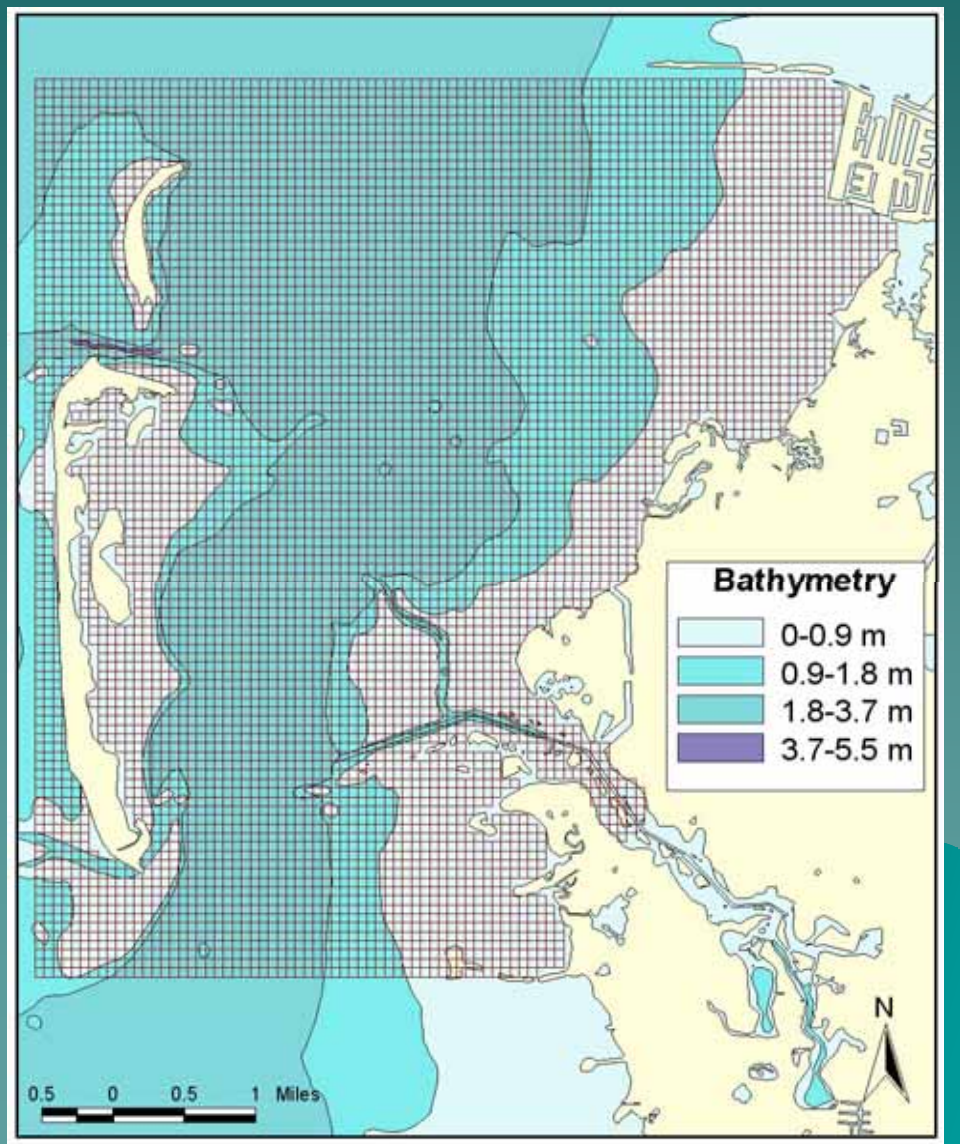


EBB



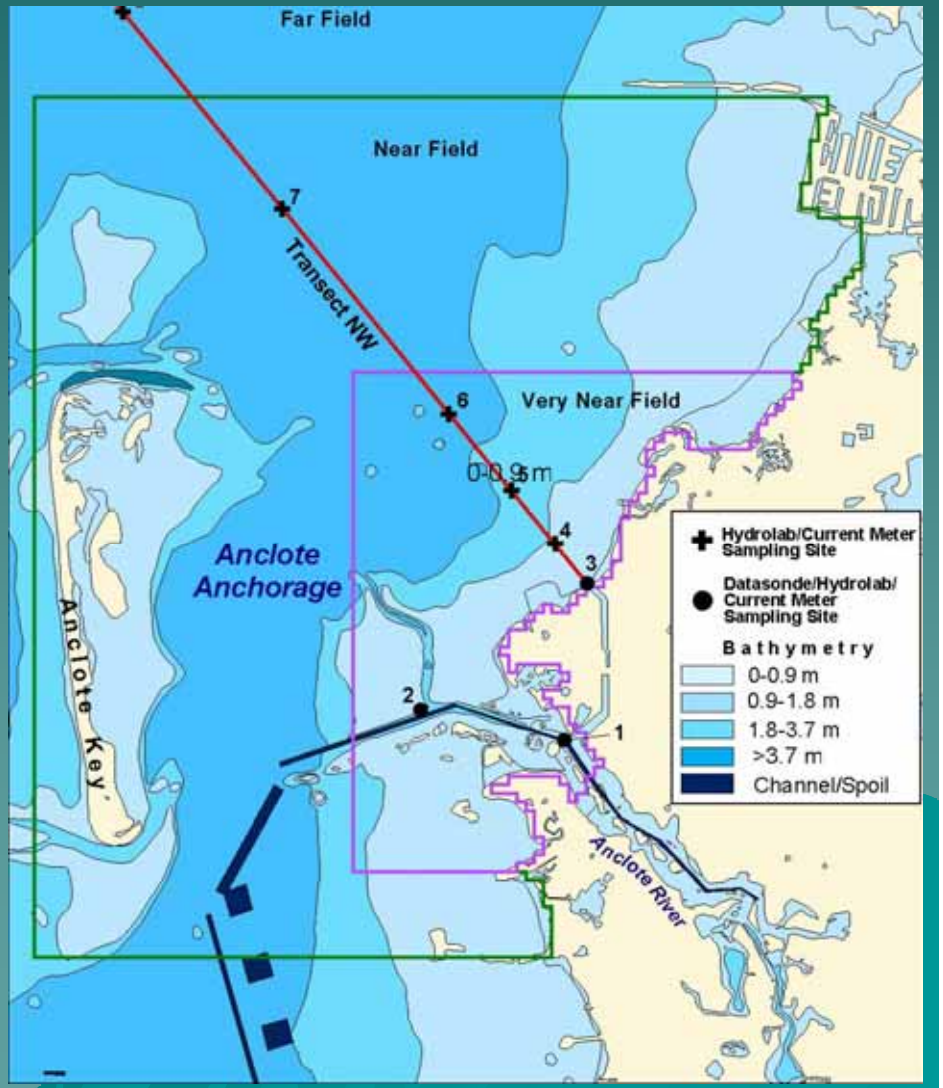
Big and Small Box Models





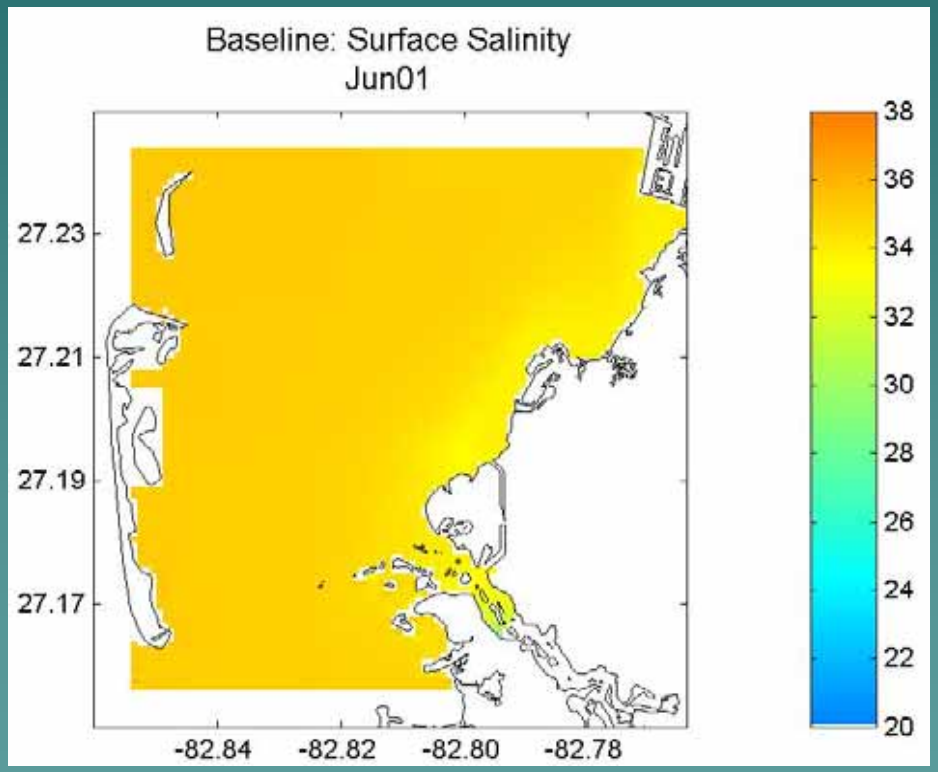
Data


PITH6
PITH7
PITH4
PITH3
PITH5
PITH8
PITH9
PITH10
ACLT10
ACLT9
ACLT3
ACLT8
ACLT2
ACLT4
ACLT5
ACLT1
ACLT7
ACLT6

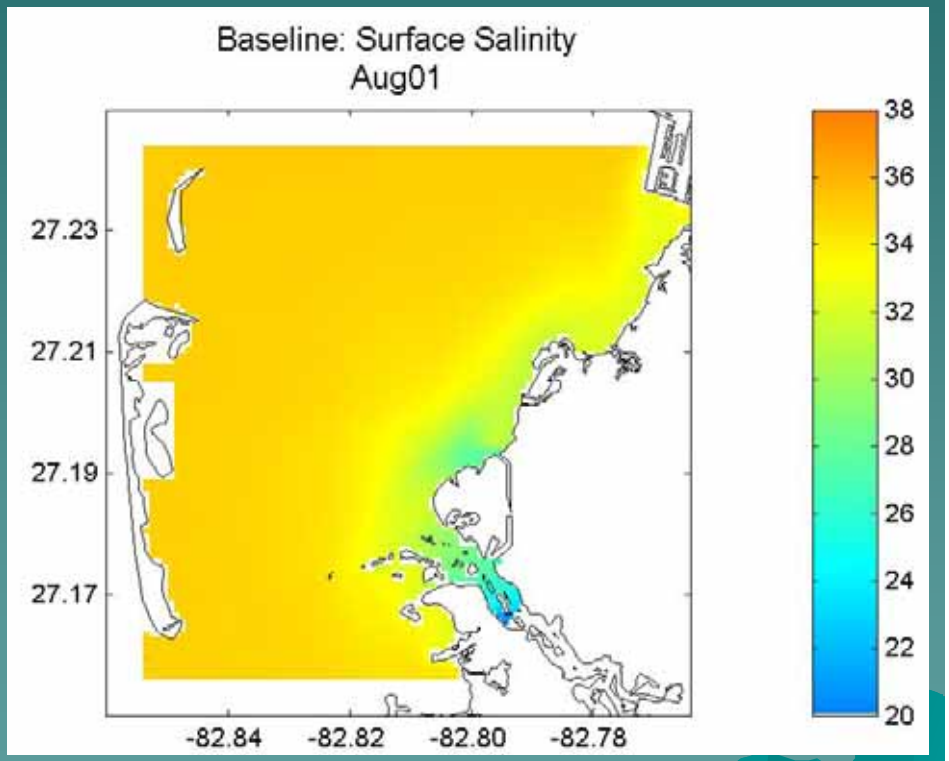

Far Field
Near Field
Very Near Field
Transect NW
7
6
5
4
3
2
1
0-0.9 m
Anclote Anchorage
Anclote Key
Anclote River
Hydrolab/Current Meter Sampling Site
Datasonde/Hydrolab/ Current Meter Sampling Site
Bathymetry
0-0.9 m
0.9-1.8 m
1.8-3.7 m
>3.7 m
Channel/Spoil

Salinity

June

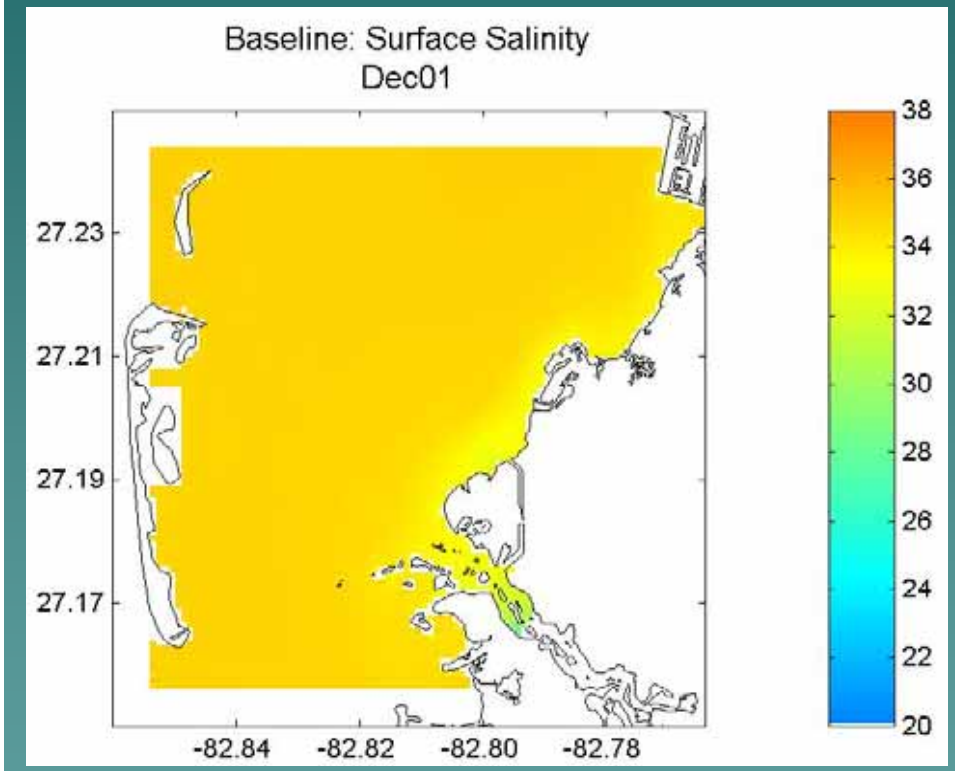


August

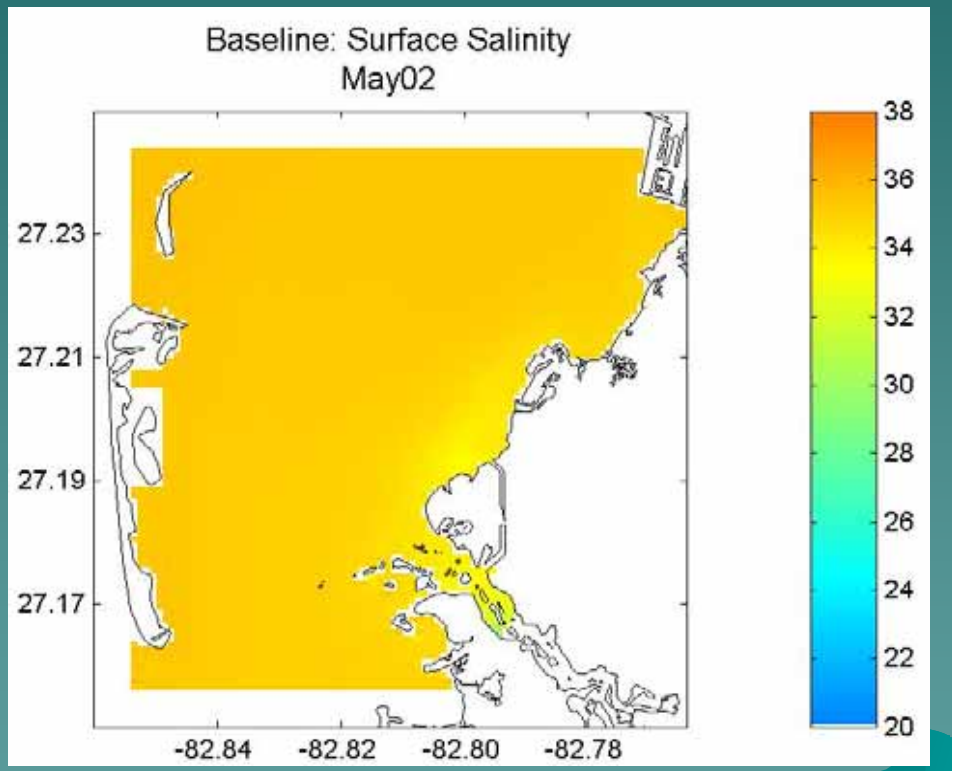


Salinity

December

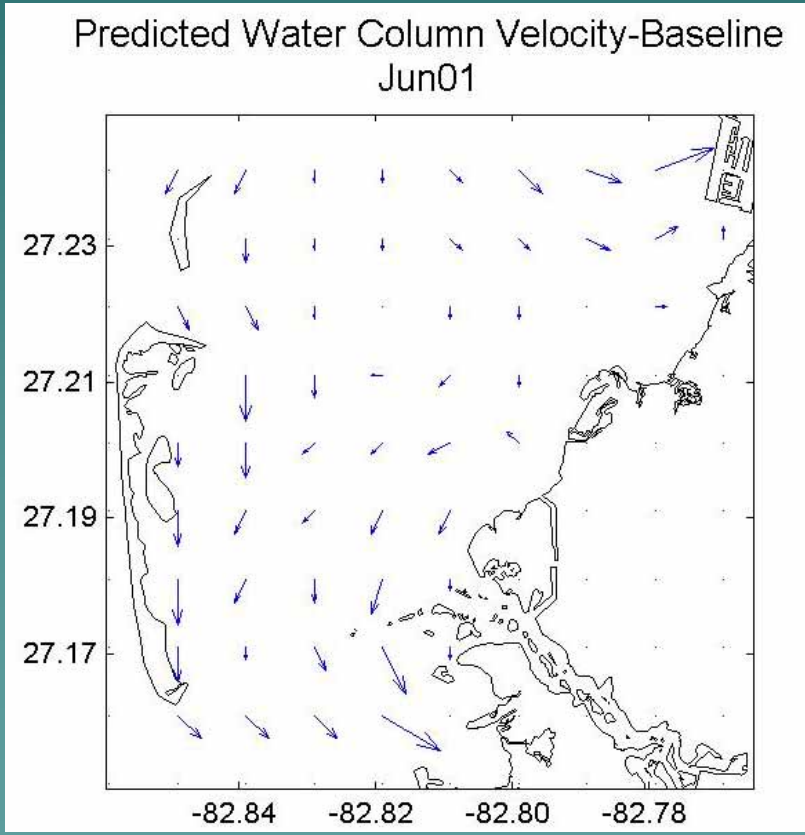


May

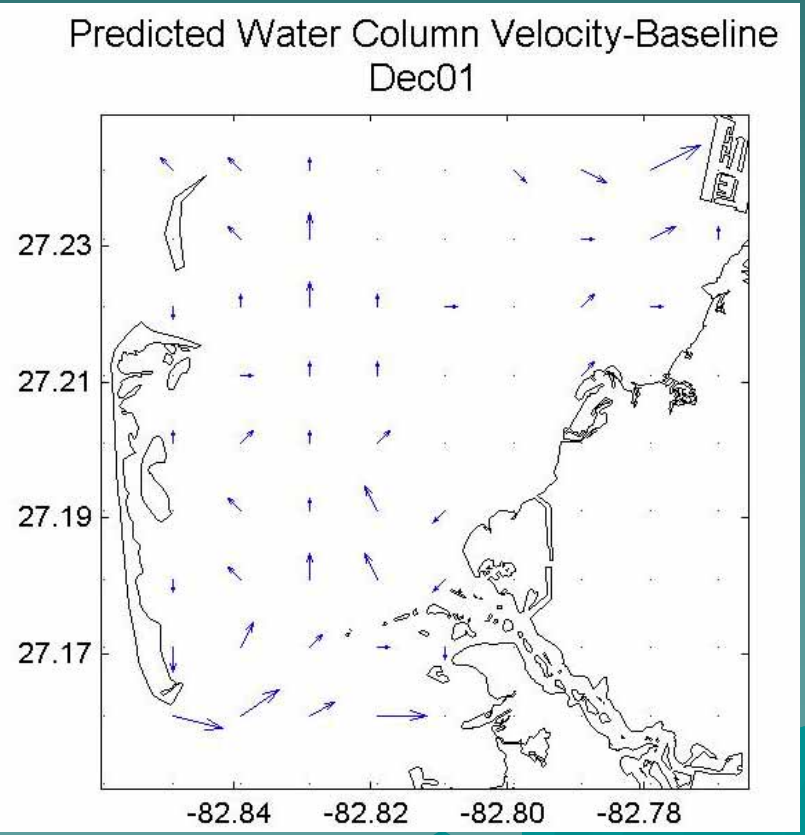


Circulation

June



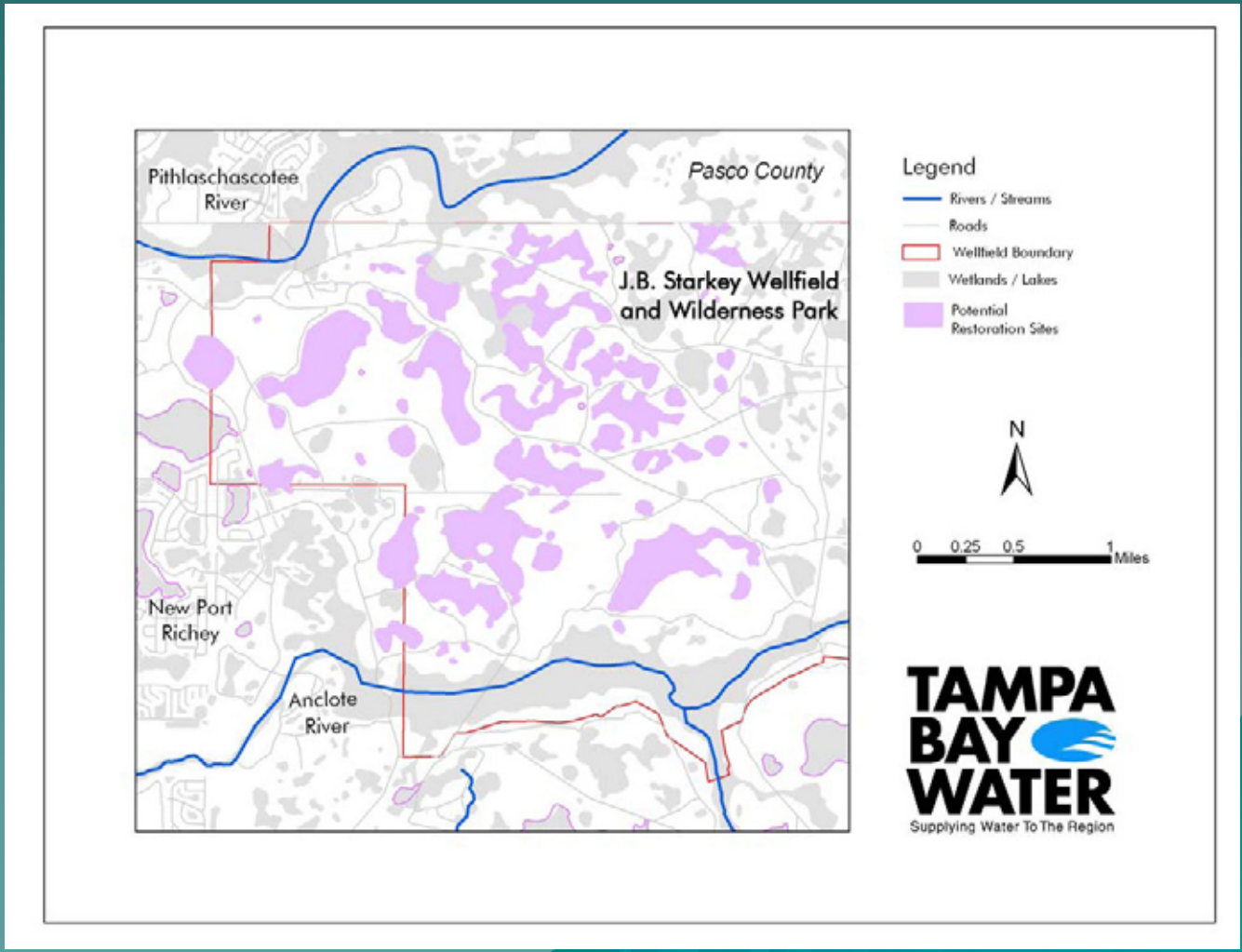
December



Wetland Restoration Projects

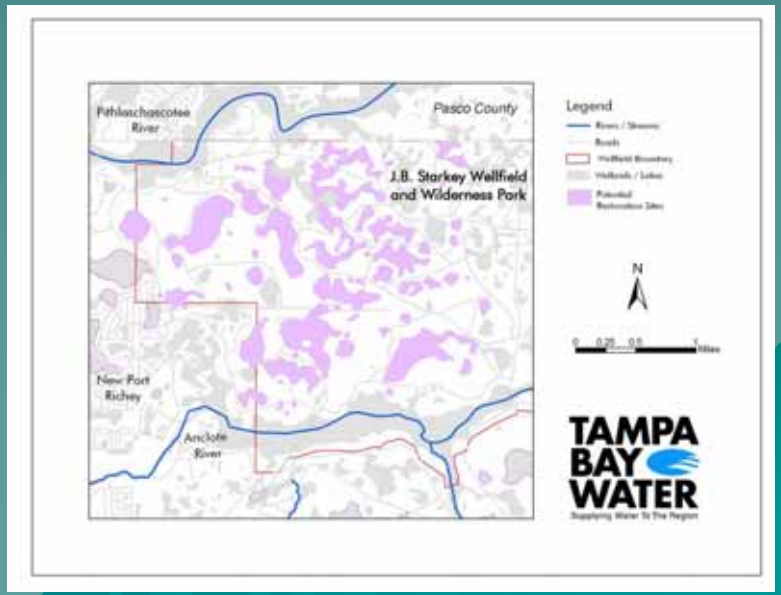
- In addition to the development of alternative sources to reduce groundwater pumping, TBW has evaluated numerous wetland restoration projects as part of its Phase I Mitigation Plan

Starkey Wellfield Ecosystem Enhancement Project



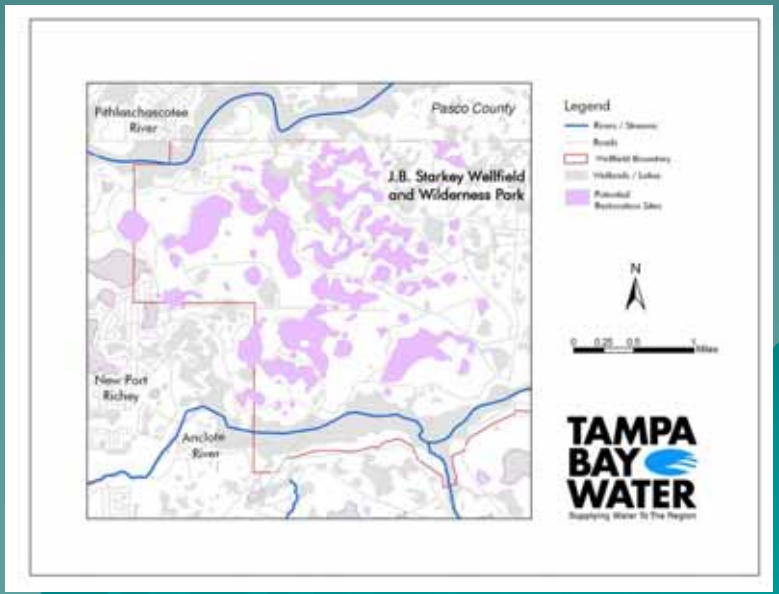
Starkey Wellfield Ecosystem Enhancement Project

- Objective – to divert excess surface water flows from the Anclote and Pithlachascotee rivers to Starkey Wellfield for wetland restoration



Starkey Wellfield Ecosystem Enhancement Project

- Feasibility Study – 2004
- Examined available surface water yields and potential withdrawal schedules
- Examined potential effects on river stage floodplain vegetation, downstream salinity regimes



Starkey Wellfield Ecosystem Enhancement Project

- Staff will reevaluate the need for this project in the 2009-2010 timeframe