

OVERVIEW OF RECENT ANCLOTE RIVER STUDIES

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Tampa Bay Water

A stylized silhouette of a mountain range in shades of teal, located in the bottom right corner of the slide.

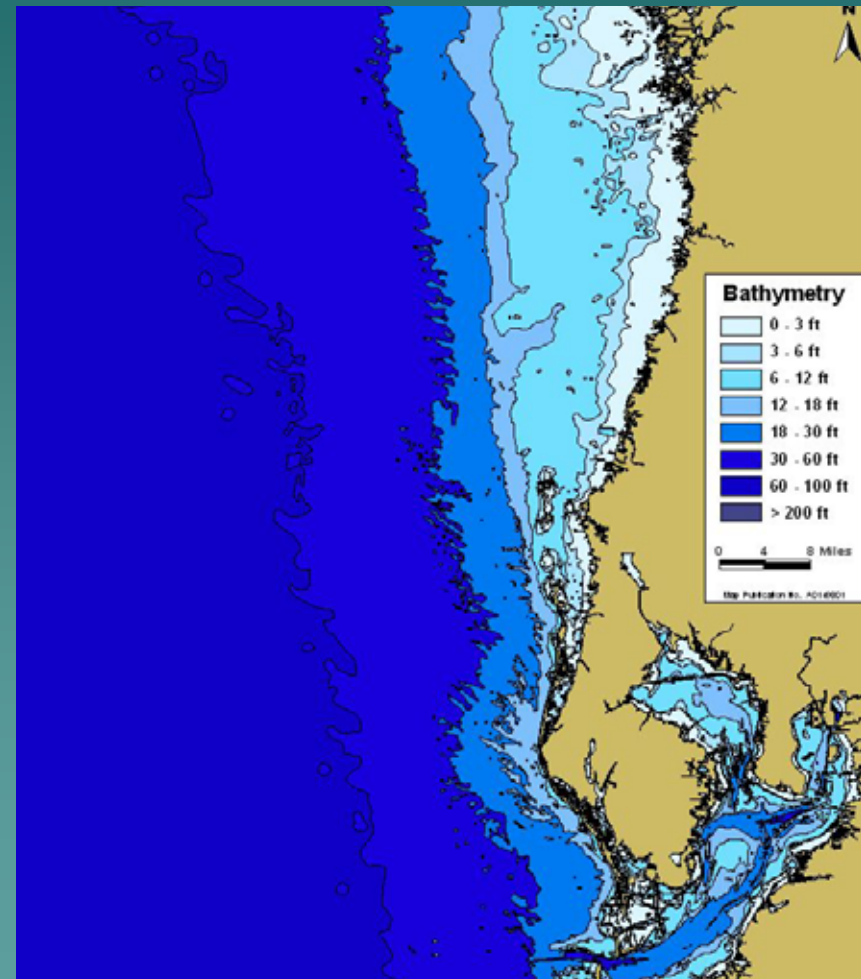
ANCLOTE RIVER STUDIES

Studies performed as part of:

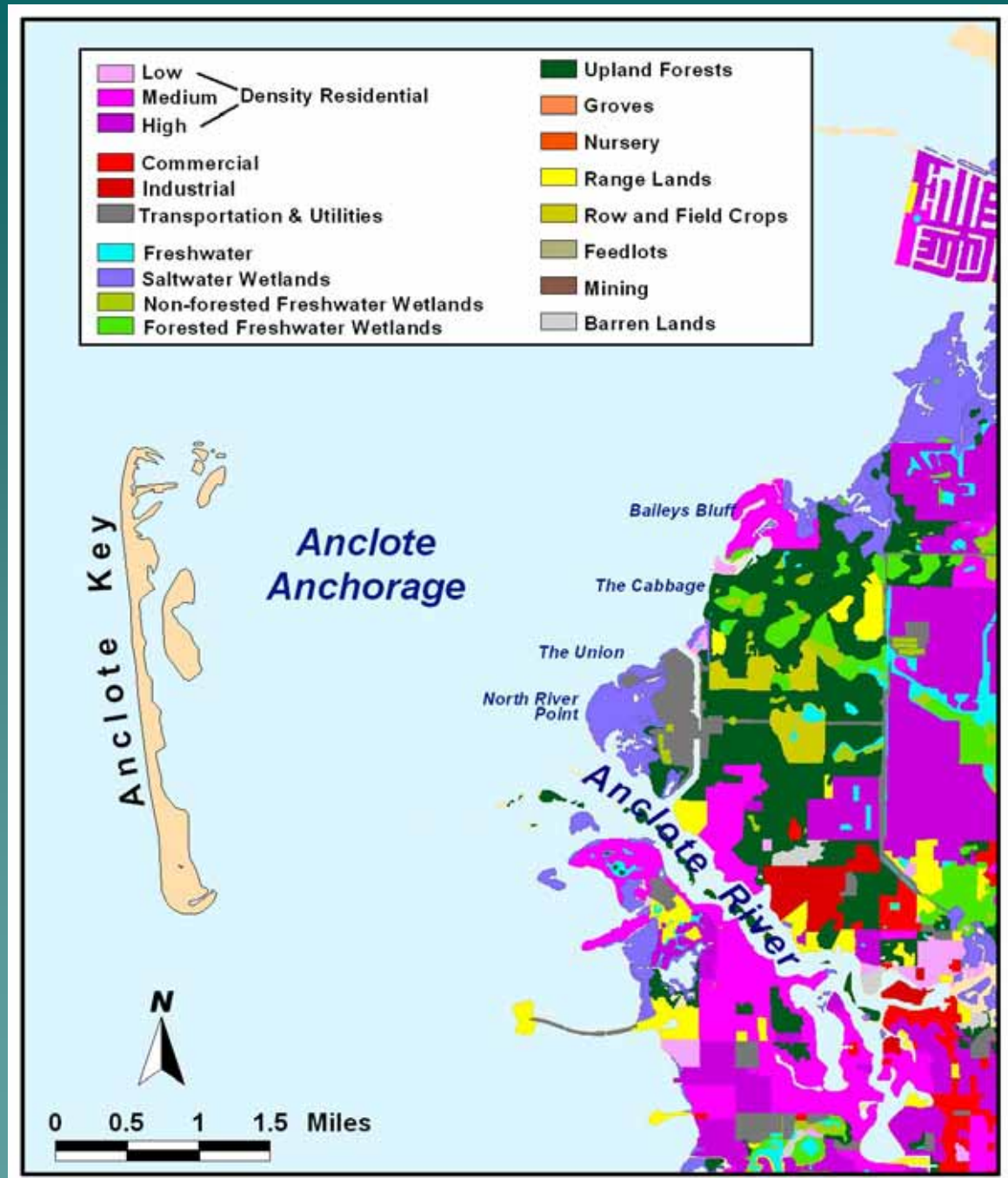
- ◆ Gulf Coast Desalination Feasibility Study
- ◆ Starkey Wellfield Restoration Feasibility Study

Two study areas:

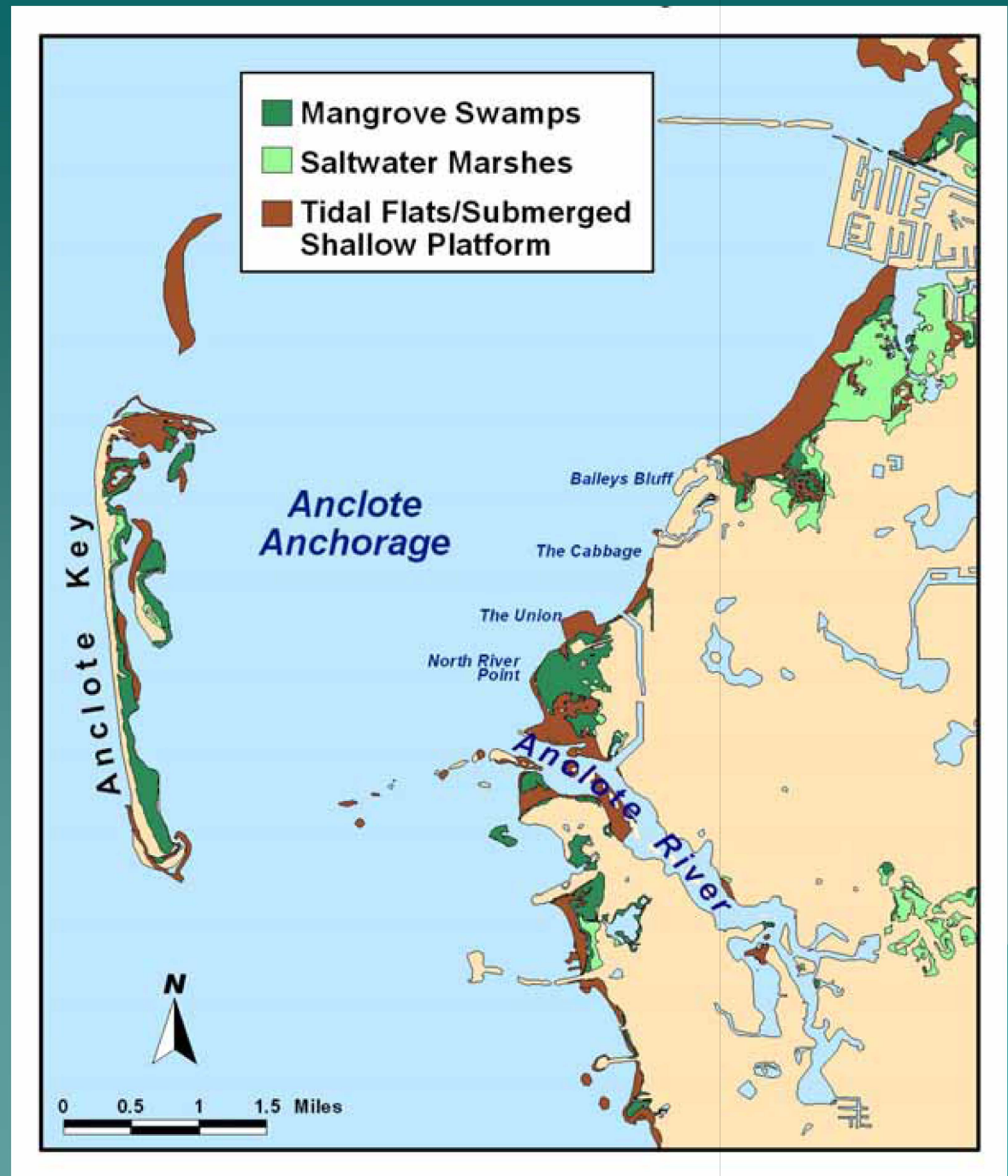
- ◆ Anclote River
- ◆ Anclote Anchorage and adjacent waters



Land Use Land Cover



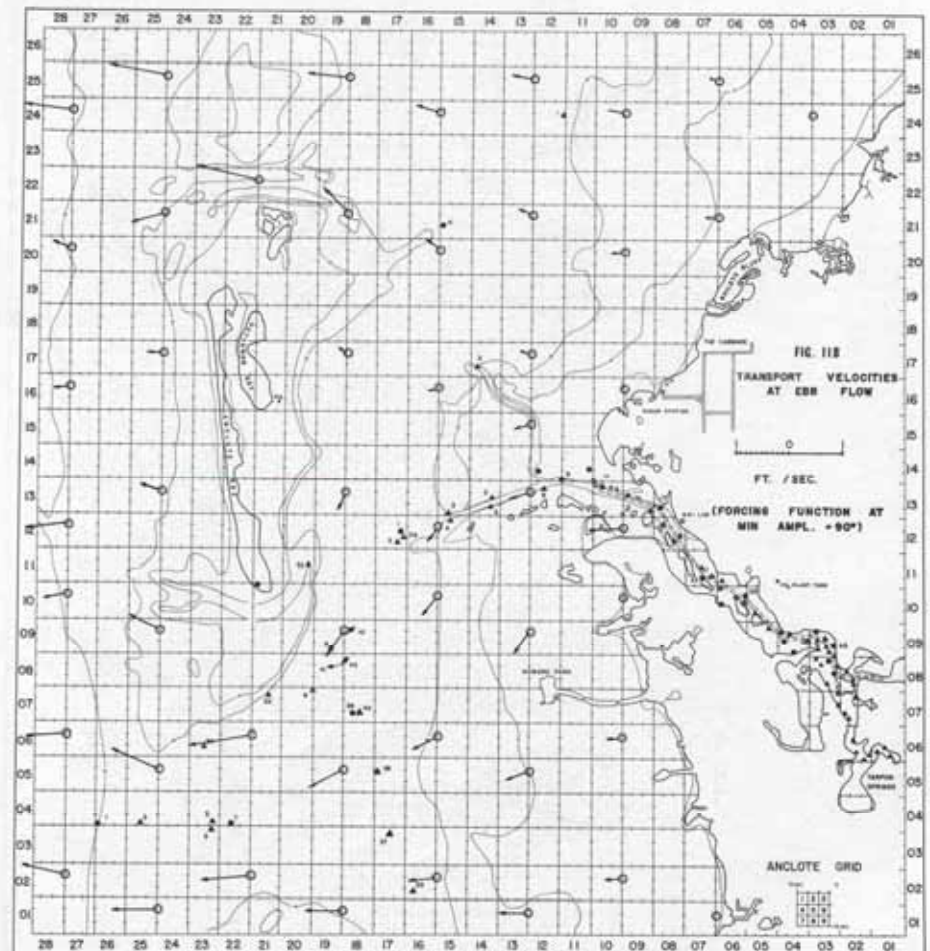
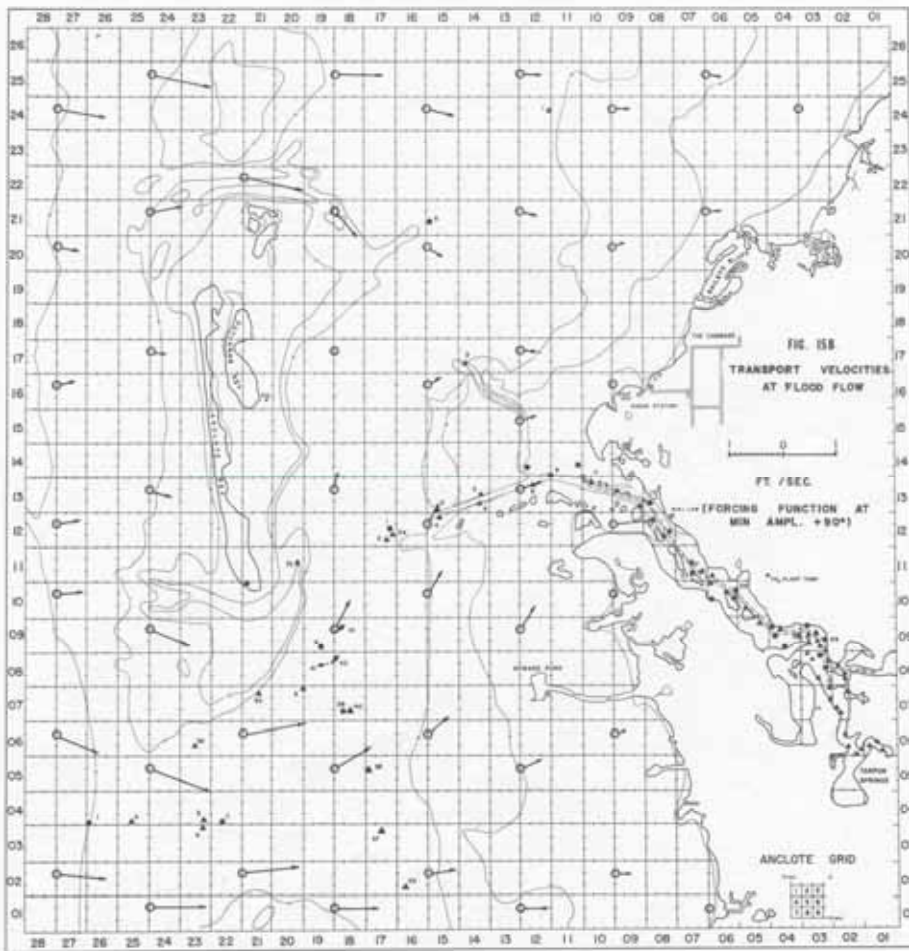
Shoreline Vegetation



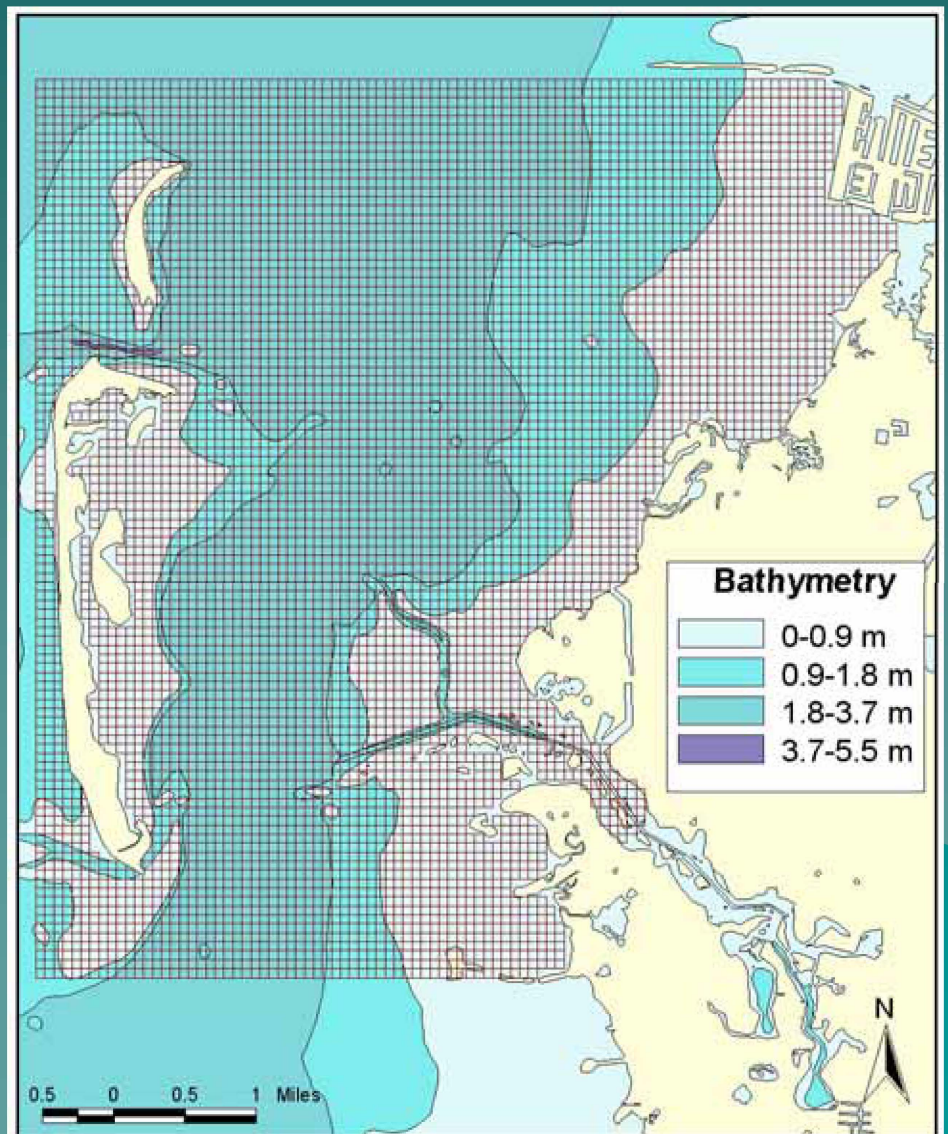
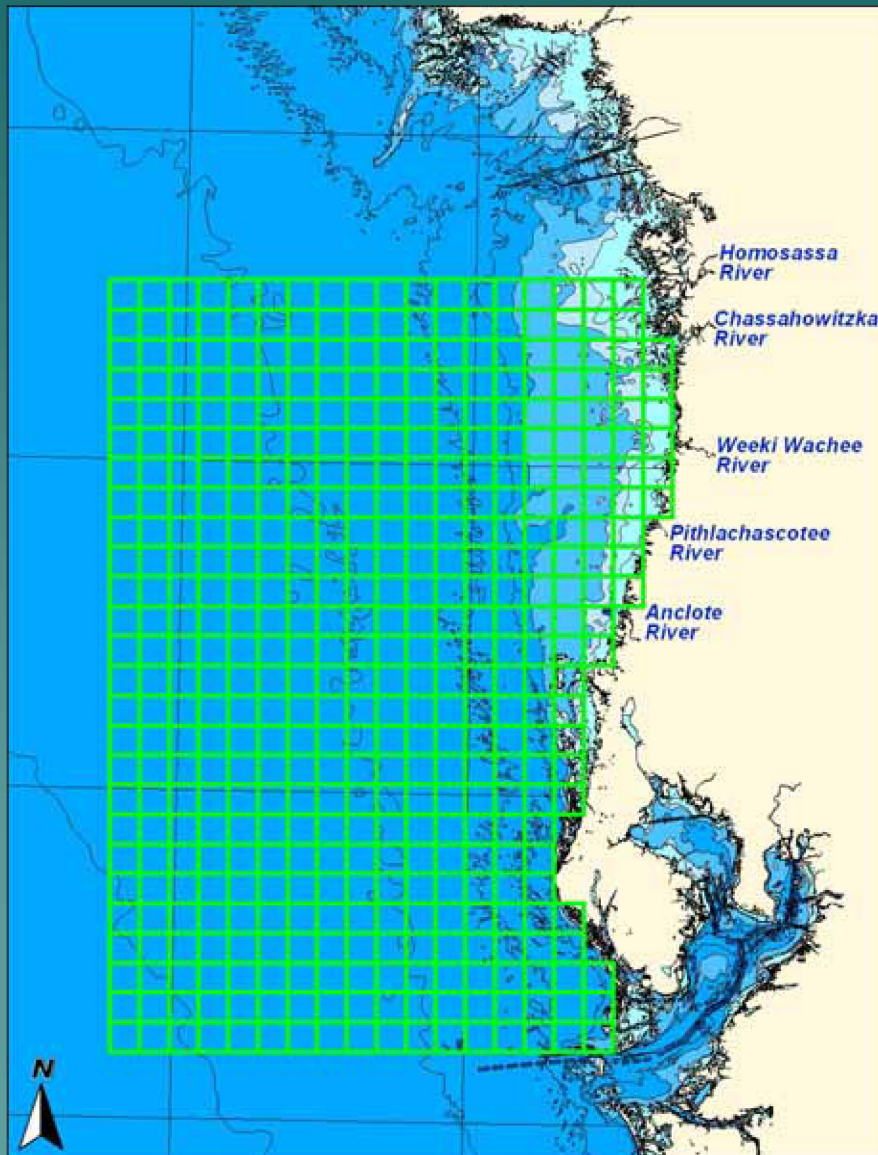
Circulation

FLOOD

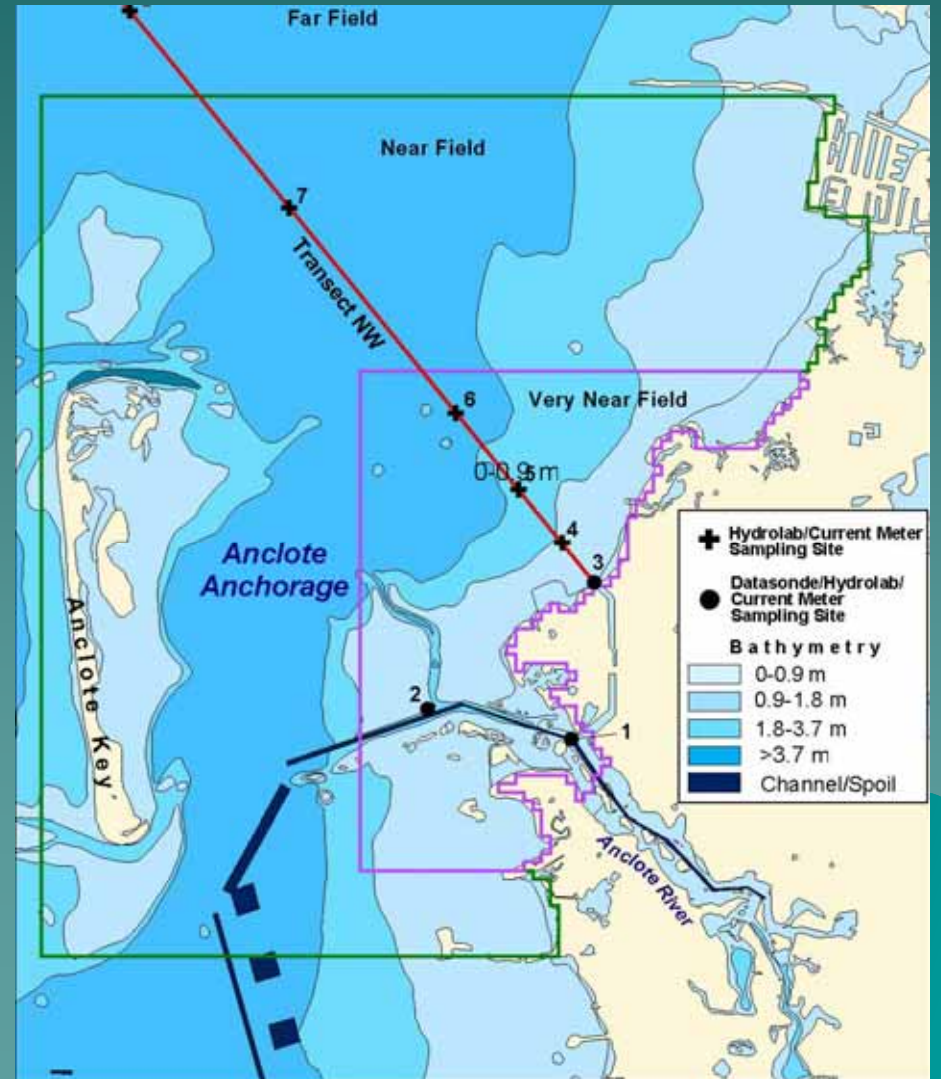
EBB



Big and Small Box Models

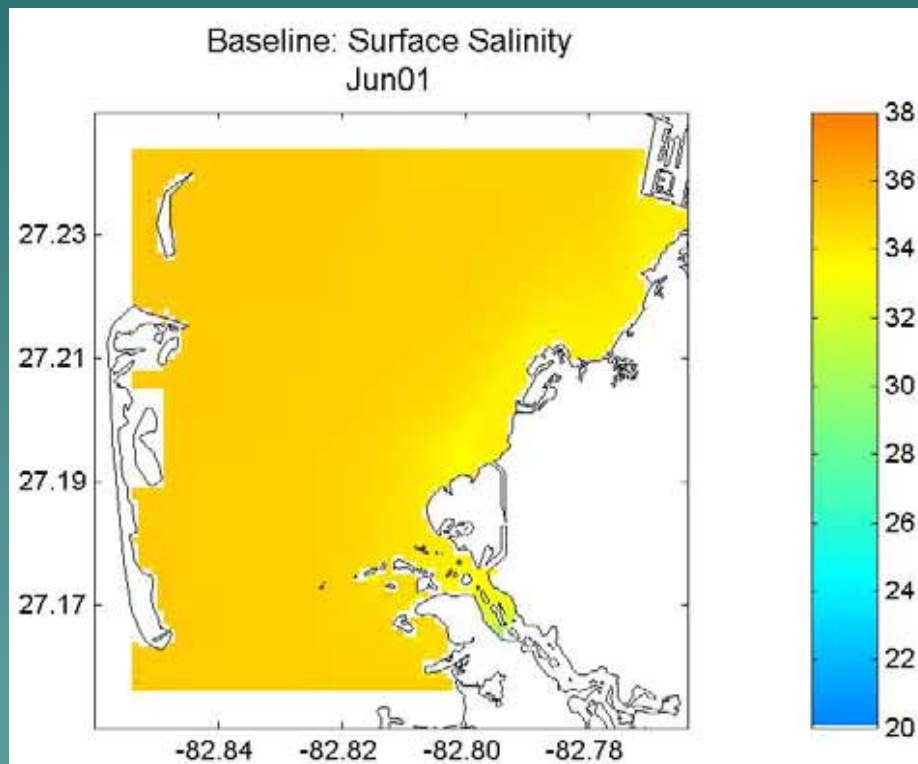


Data

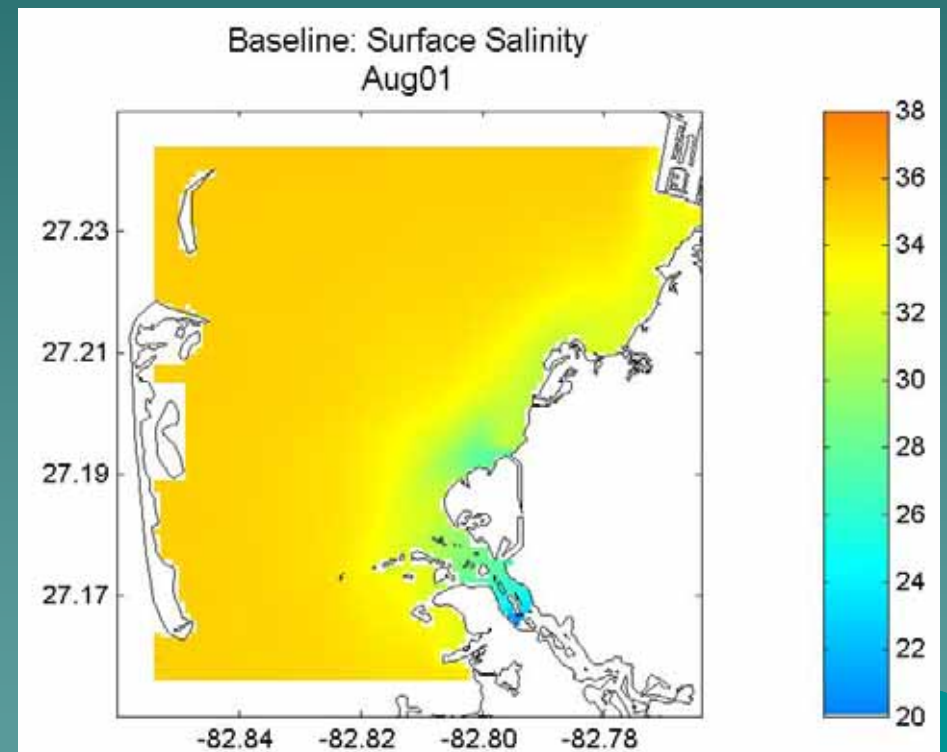


Salinity

June

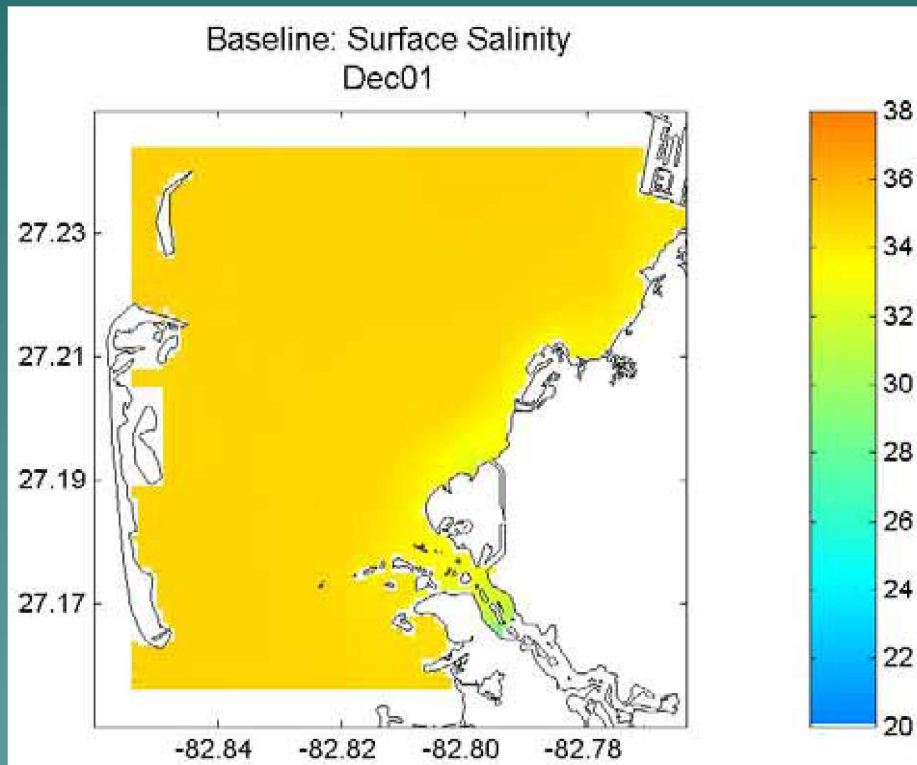


August

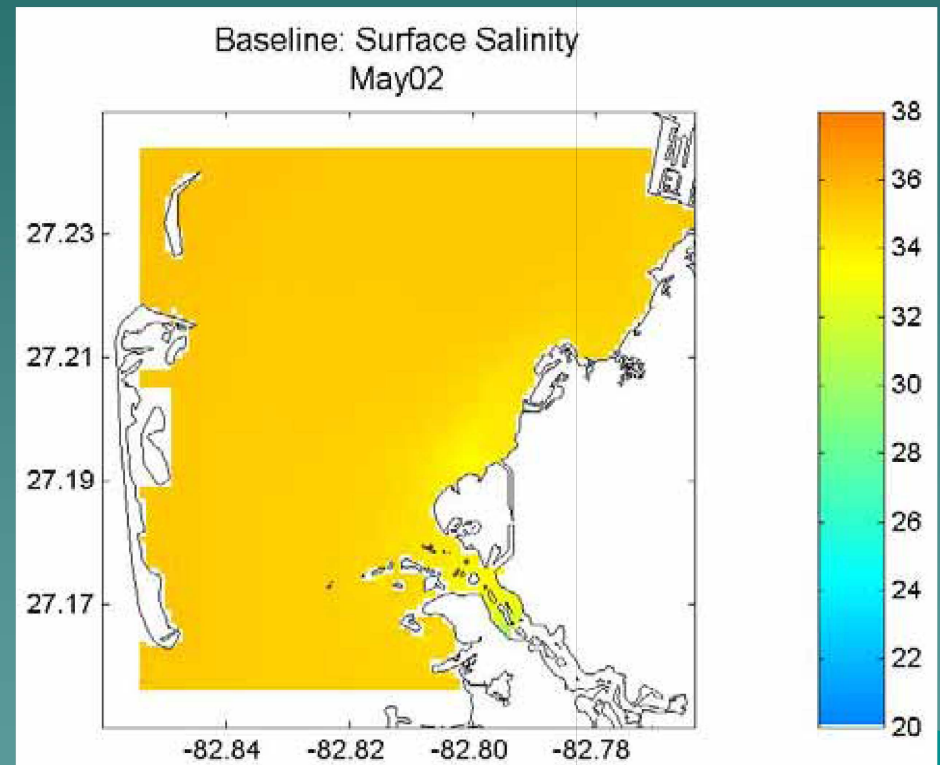


Salinity

December



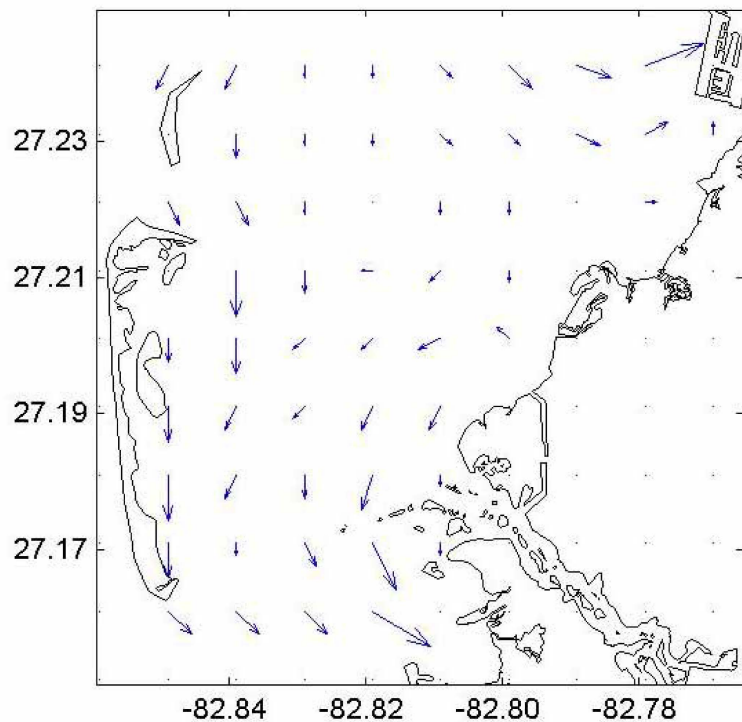
May



Circulation

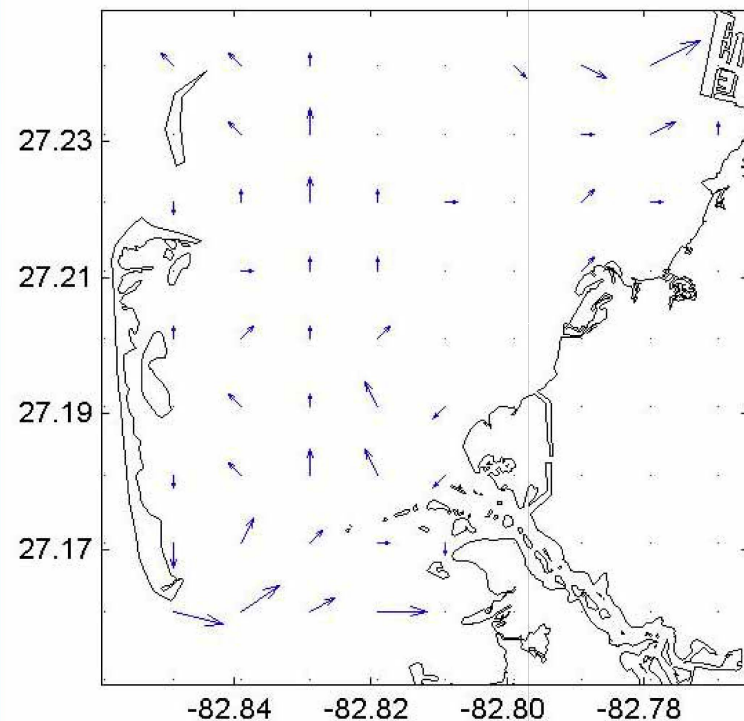
June

Predicted Water Column Velocity-Baseline
Jun01



December

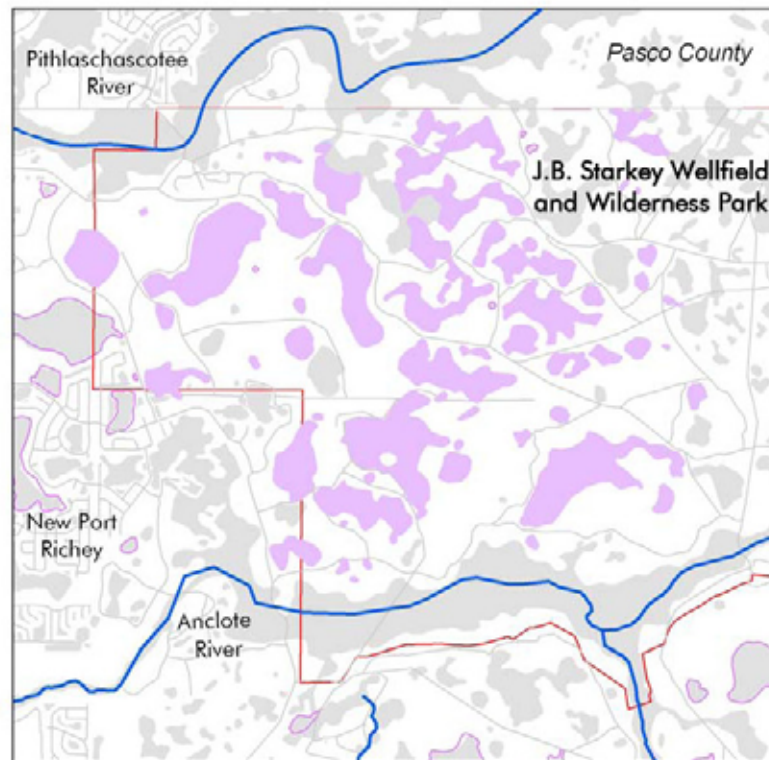
Predicted Water Column Velocity-Baseline
Dec01



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



Legend

- Rivers / Streams
- Roads
- Wellfield Boundary
- Wetlands / Lakes
- Potential Restoration Sites

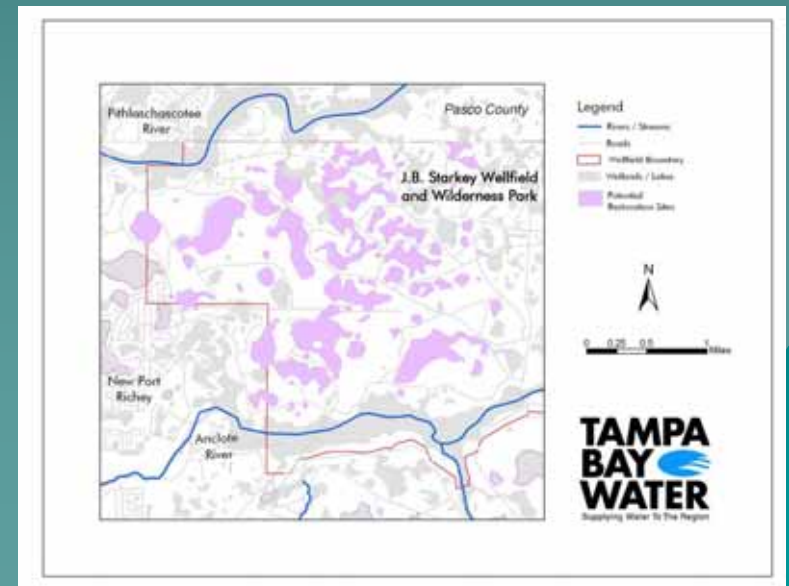


0 0.25 0.5 1 Miles

**TAMPA
BAY
WATER**
Supplying Water To The Region

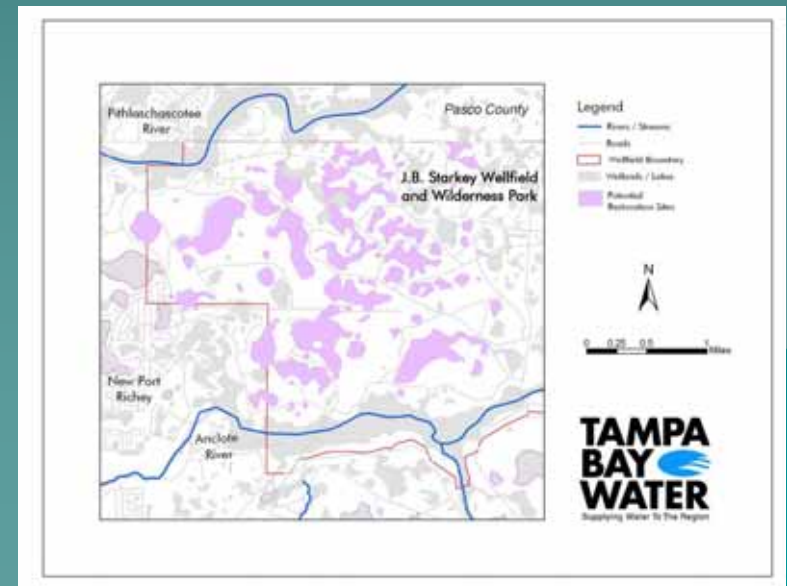
Starkey Wellfield Ecosystem Enhancement Project

- ◆ 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

