

# FY13 RSM IPR

Jacksonville District, Nassau and Duval County RSM, Kevin Hodgens

## Description/Challenges

- Environmental permitting/perception
- Progression of dredging/placement science
- Using existing authorities to accomplish RSM goals

## Objectives

- Reduce O&M and SPP costs
- Maintain sediment supply in the system
- Restore inlet bypassing and enhance environment
- Maximize leveraging and collaboration opportunities



**BLUF:** Resolving the system processes through numerical modeling enables analysis of placement options as well as selection of sediment sources that can provide benefits to both the O&M and SPP business lines.

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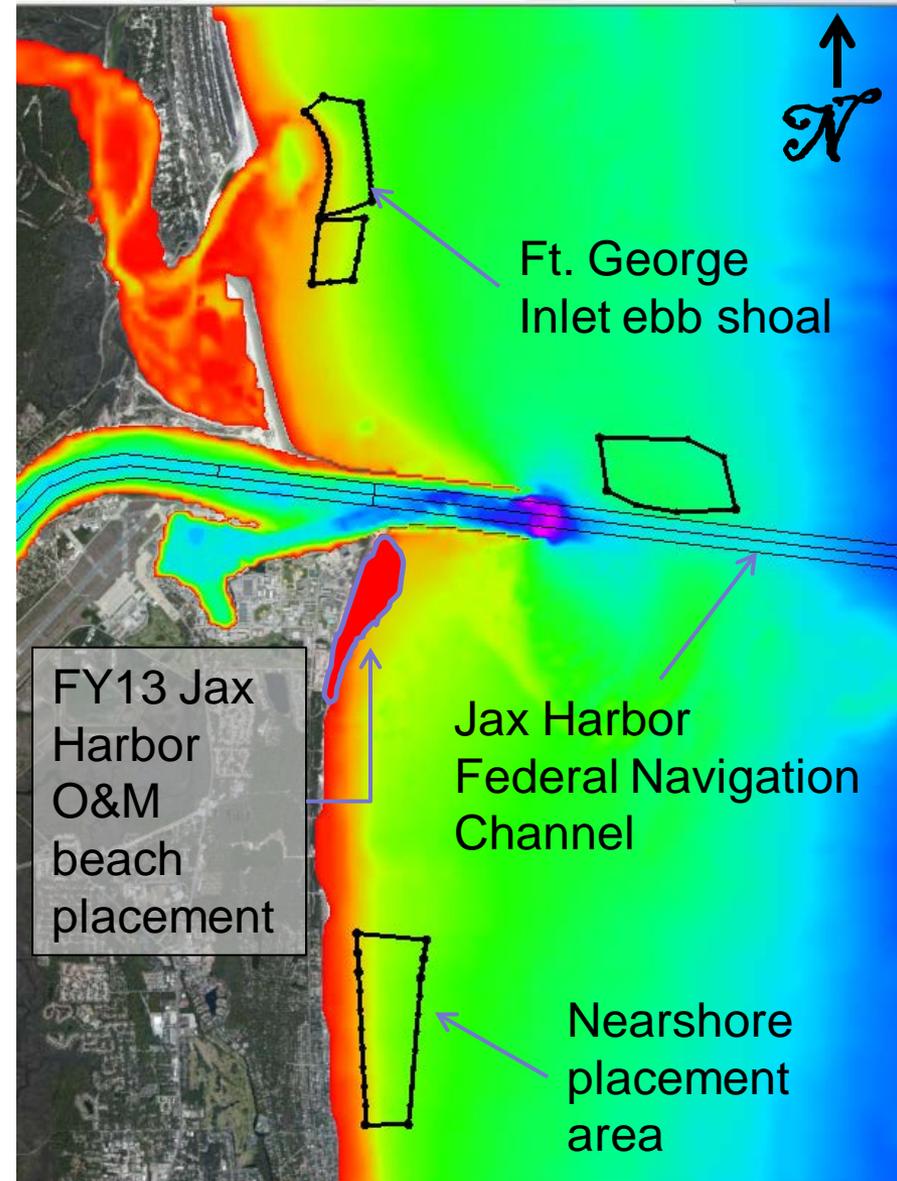
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### Approach

- Leverage State of Florida RSM strategies with Corps authorities.
- Major FY13 strategy: Use Duval County SPP authority and funding to dredge Ft. George Inlet.
- Collaborate with the State to accomplish shared goals as well as guide research objectives

### Deliverables

- Technotes (end of FY13):
  - Nassau & Duval RSM Strategies
  - Jacksonville Harbor O&M
  - Jacksonville Harbor RSM Strategies
- Calibrated CMS model
- Nearshore berm discussions: 2 multi-agency discussions in FY13.
- FY13 O&M beach placement surveys



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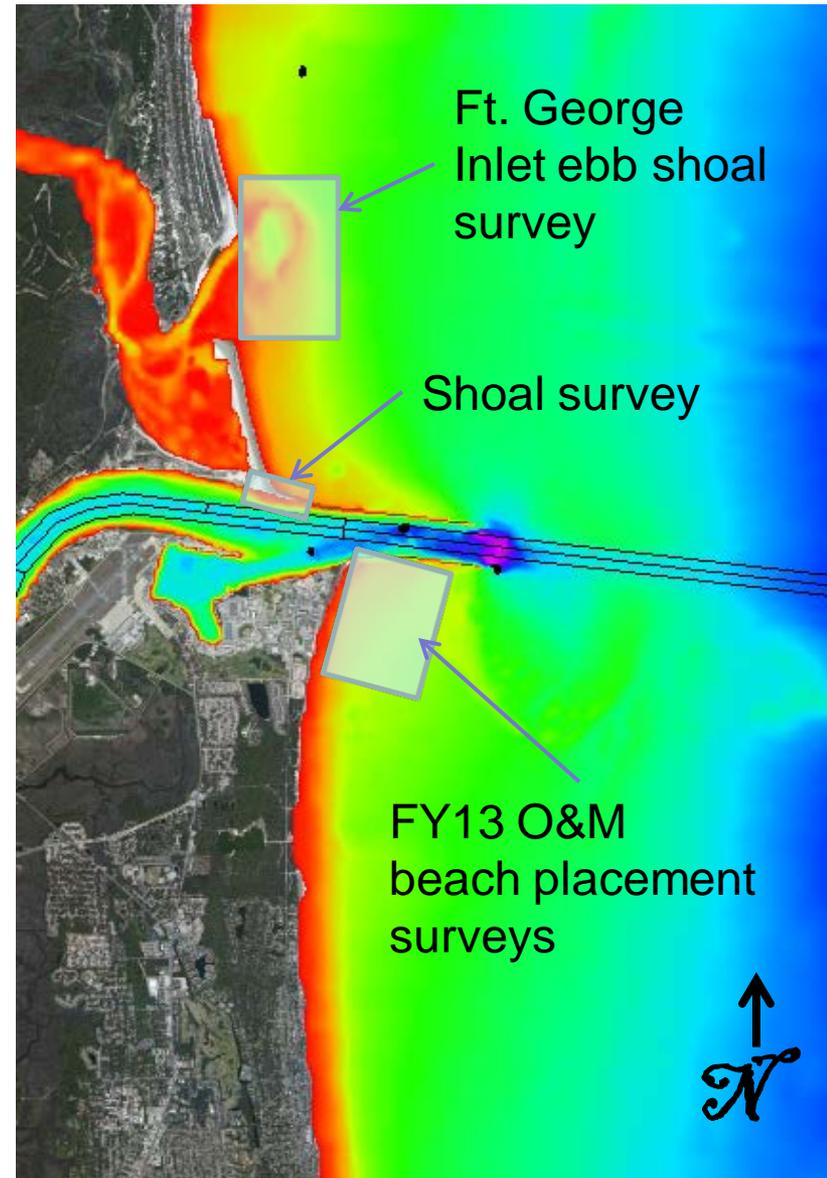
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## Accomplishments/Benefits/Lessons Learned

- Leveraged funding for shared goals
- Collaborative monitoring of FY13 O&M placement
  - USACE RSM and University of North Florida
- Nearshore Berm Workshops
  - With permitting agencies, ERDC, SAJ and SAM

## Opportunities to take action

- Continue partnership and collaboration with stakeholders to accomplish shared goals
- Capitalize on research objectives outlined during meetings with permitting agencies
- Perform the studies that will allow alternative borrow areas to be used in SPP's
- Apply state of the art science to optimize placement locations of dredged materials



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## District PDT Members

- Matt Schrader
- Sirisha Rayaprolu
- Kelly Legault
- Jason Engle

## Stakeholders and Partners

- City of Jacksonville
- Florida Department of Env. Protection
- National Park Service
- University of North Florida

## Leveraging/Collaborative Opportunities

- SPP's: Duval and Nassau
- Navigation:
  - Jax Harbor / NS Mayport
  - Fernandina Harbor / NSB Kings Bay
- Research initiatives
- University of North Florida

