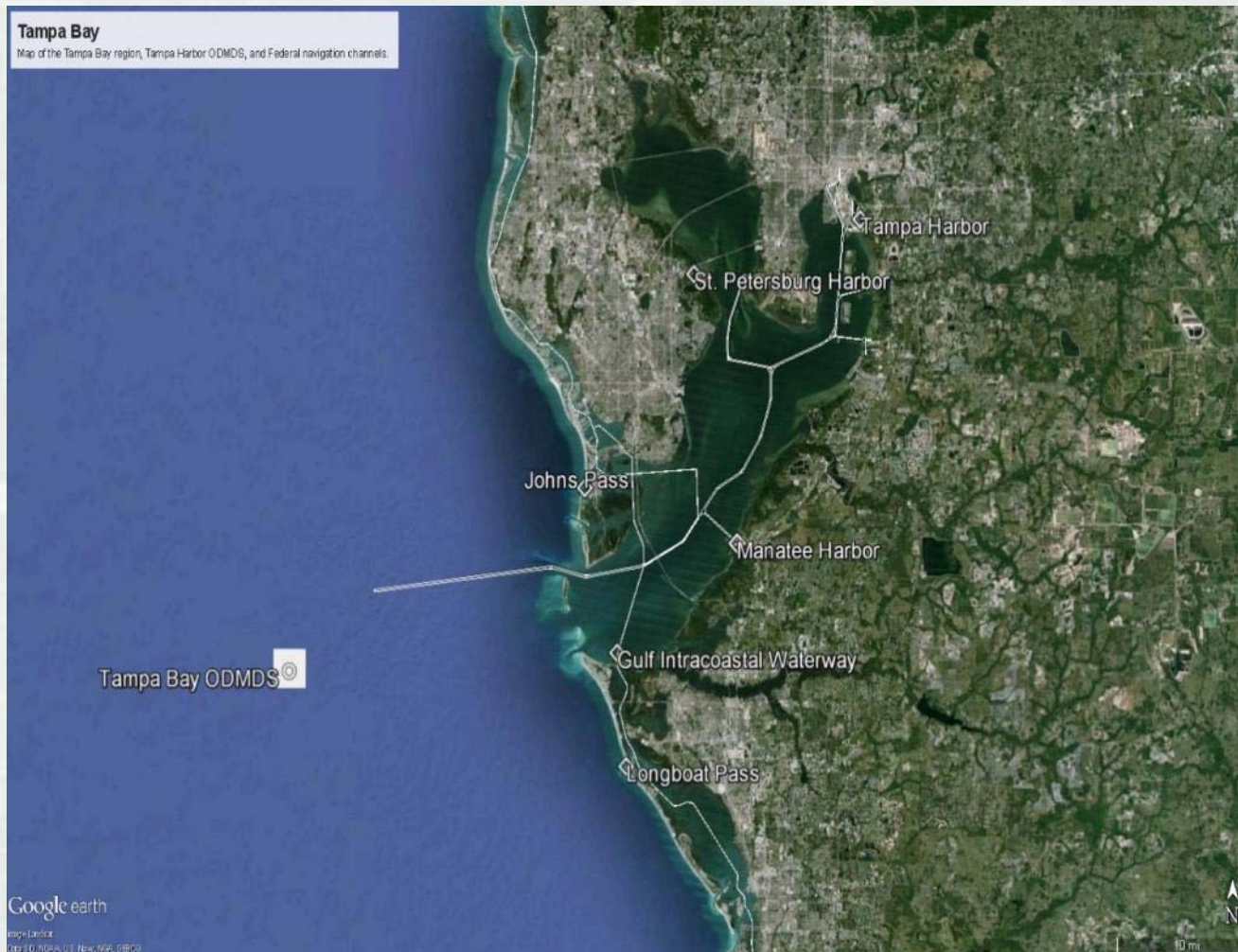


FY16 RSM IPR
Jacksonville District
TAMPA HARBOR RSM ECOSYSTEM RESTORATION STRATEGIES
Aubree Hershorin, Jackie Keiser

BLUF: Develop strategies for implementing RSM opportunities in Tampa Bay.



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TAMPA HARBOR RSM ECOSYSTEM RESTORATION STRATEGIES

Description/Challenges

- Stakeholders not comfortable with beneficial use of silty resources
- Lots of upland disposal capacity
 - The birds love it!



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TAMPA HARBOR RSM ECOSYSTEM RESTORATION STRATEGIES

Opportunities

- Extremely involved stakeholder community
- Tampa Bay ecosystem provides diverse habitat restoration opportunities
- Manatee Harbor Expansion feasibility study kicked off January 2016
- Past successes with placing silty-sand material at Key and filling dredged

Objectives

- **Provide a Plan** – quick implementation through early coordination
 - ▶ No permits/authorizations, but resource agencies involved in the process



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Approach

- Coordinate with stakeholders to identify opportunities that the environmental community would like to pursue
- PDT to determine feasibility, ROM costs, environmental concerns, construction methodologies, resource monitoring required, etc., for each opportunity identified
- Prepare technical report to document the opportunities for future use



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**Accomplishments/Benefits/Lessons
Learned/Actions**

- Stakeholder Meeting suggested consensus/support for the following opportunities:
 1. Dredged holes
 2. Longshore bar restoration
 3. Island creation/stabilization
 4. Filling mosquito ditches
 5. Thin-layer placement
 6. Hardbottom habitat creation



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Deliverables

Product or Milestone	Sch. Del. Date (mm/dd/yy)	Act. Del. Date (mm/dd/yy)	Percent Comp
Task 1: Agency Coordination Meeting (Initial)	10/15/15	01/21/16	100%
Task 1: Agency Coordination Meeting (Follow-Up)	07/16		
Task 1: Agency Coordination Meeting	10/16		
Task 2: Prepare Technical Note	09/30/16		15%
Task 3: Presentation of Findings	05/19/16	5/19/16	100%



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TAMPA HARBOR RSM ECOSYSTEM RESTORATION STRATEGIES

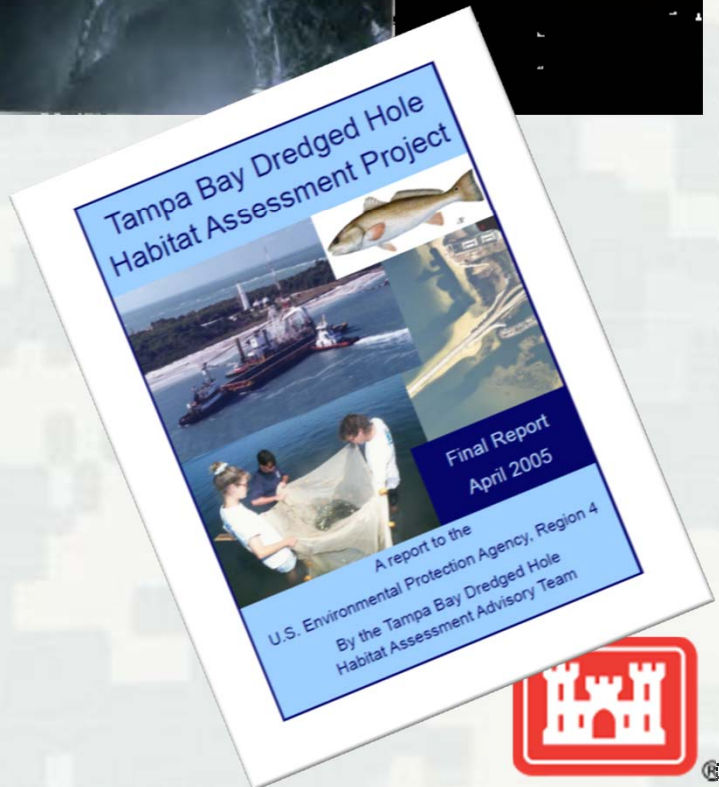
What is working? Ups? Success?

- Educated stakeholder participation
 - Existing Dredged Material Working Group in the Tampa Bay area provided an existing stakeholder group already interested in this topic
- Leveraging NGO grant funding and research



What is not working? Downs? Issues?

- Stakeholder personnel turnover
- Delays in leveraged resources



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TAMPA HARBOR RSM ECOSYSTEM RESTORATION STRATEGIES

District/Other USACE PDT Members

- Aubree Hershorin, Planning
- Jen Coor, Geology
- Tony Ledford, Cost Engineering
- Kevin Hodgens, Coastal Engineering

Stakeholders and Partners

- Gary Raulerson, Tampa Bay Estuary Program
- Pete Plage, USFWS
- Mark Sramek, National Marine Fisheries Service
- Audubon Florida
- Southwest Florida Water Management District
- Hillsborough County Environmental Protection Commission



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Value to the Nation

- Cost savings (compared to disposal at the ODMDS)
- Value added
 - Benefit to Egmont Key – no federal project due to ownership
 - Increased capacity in upland placement area
- Leveraging resources (>\$200k of TBEP and SWFWMD grant money for dredged hole study)
- Ecosystem restoration benefits (fish utilization of dredged holes, increased resilience to shorelines adjacent to longshore bars, bird habitat at the Alafia Banks)
- Improved partnerships, happy stakeholders

