Tampa Bay Regional Sediment Management (RSM):



IMPLEMENTATION OF RSM PRINCIPLES FOR ECOSYSTEM RESTORATION IN TAMPA BAY, FL

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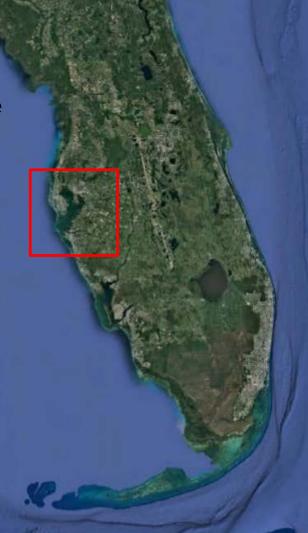


STUDY BACKGROUND





- 3 Deep Draft Harbors
 (Tampa Harbor, Manatee Harbor, St. Petersburg Harbor)
- 3 Shallow Draft
 Channels/Inlets (Johns Pass, Longboat Pass, GIWW)
- Available forums for stakeholder coordination
- Extensive scientific data available (dredged hole studies, academia, resource agencies)







METHODOLOGIES



BUILDING STRONG

- 1
- Identify the existing sediments
- Collect sediment data (both local agency and USACE)



- Identify restoration opportunities
- Stakeholder meetings
- Other studies
- Community priorities



Connect the sediment with the opportunity to create habitat...

...and let people know about it!!





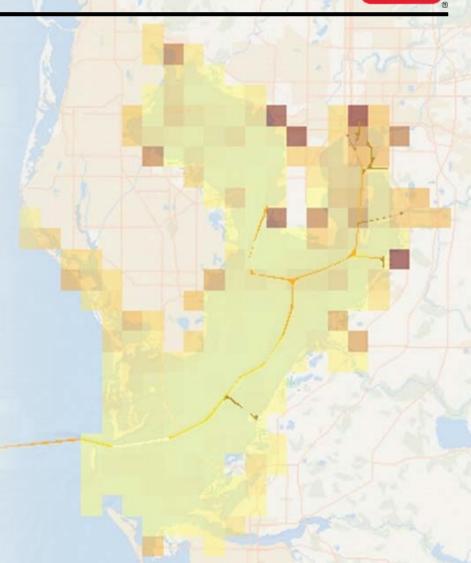








- Sediment Sampling:
 - > Hillsborough County
 - > USACE
- Restoration in close proximity to dredge site
- Sources located throughout the Bay







- January 2016 and September 2016
- Beach nourishment
- Nearshore placement
- Dredged holes
- Island creation/stabilization
- Longshore bars
- Thin-layer placement
 - Marsh creation/enhancements
- Mosquito ditch restoration



BEACH AND NEARSHORE PLACEMENT



BUILDING STRONG

Apollo Bea City of Gulfport Ft. DeSoto and Mullet Key Egmont Key

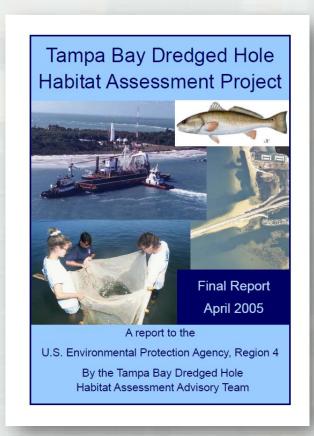
- Egmont Key (beach and nearshore)
- Ft. DeSoto (beach)
- Mullet Key (beach)
- Local communities (Gulfport, Apollo Beach)





DREDGED HOLES









ISLAND CREATION/ STABILIZATION



 Alafia Banks Bird Sanctuary -Audubon Florida







LONGSHORE BARS



BUILDING STRONG

Historical Longshore Bar Mapping Tampa Bay, Florida



Prepared By



Roy R. Lewis III Coastal Resources Group, Inc P.O. Box 5430 Salt Springs, FL 32134



November 29, 2005





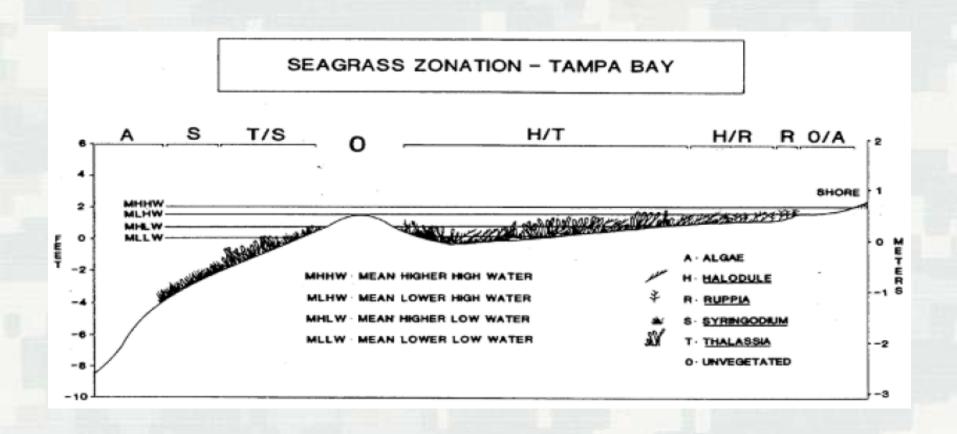






LONGSHORE BARS



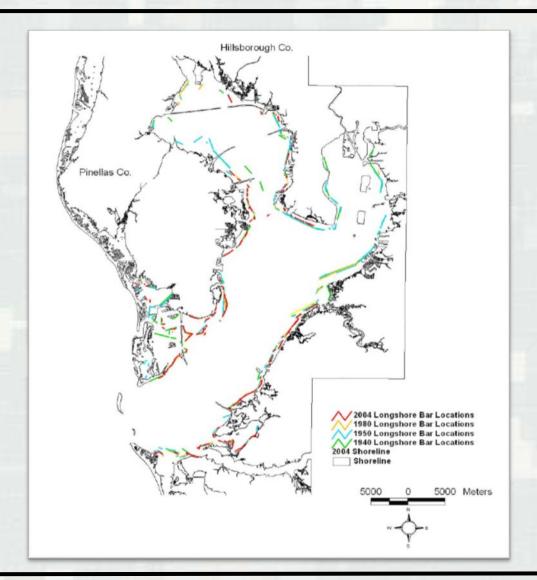






LONGSHORE BARS









- Smaller volume placement = increased cost
- Additional disposal methods may require separate equipment = increased costs
- Turbidity containment = increased costs

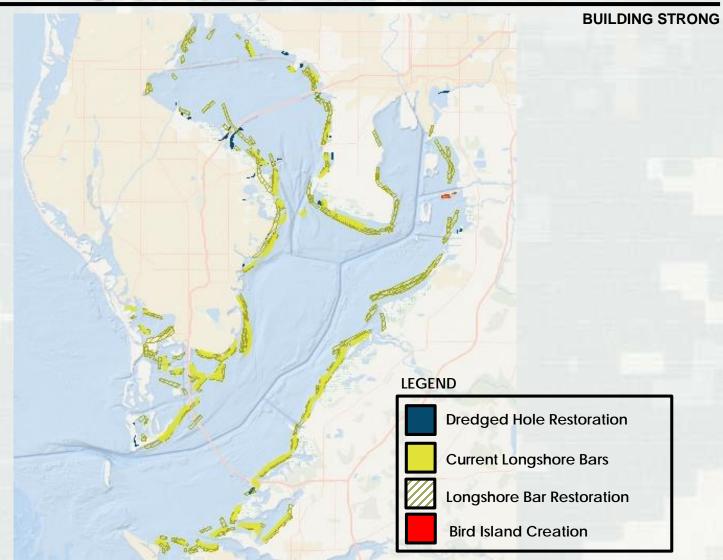






TAMPA BAY RSM STRATEGY MAP









THANK YOU!!



BUILDING STRONG

QUESTIONS?

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