

# Taking RSM to the Next Level

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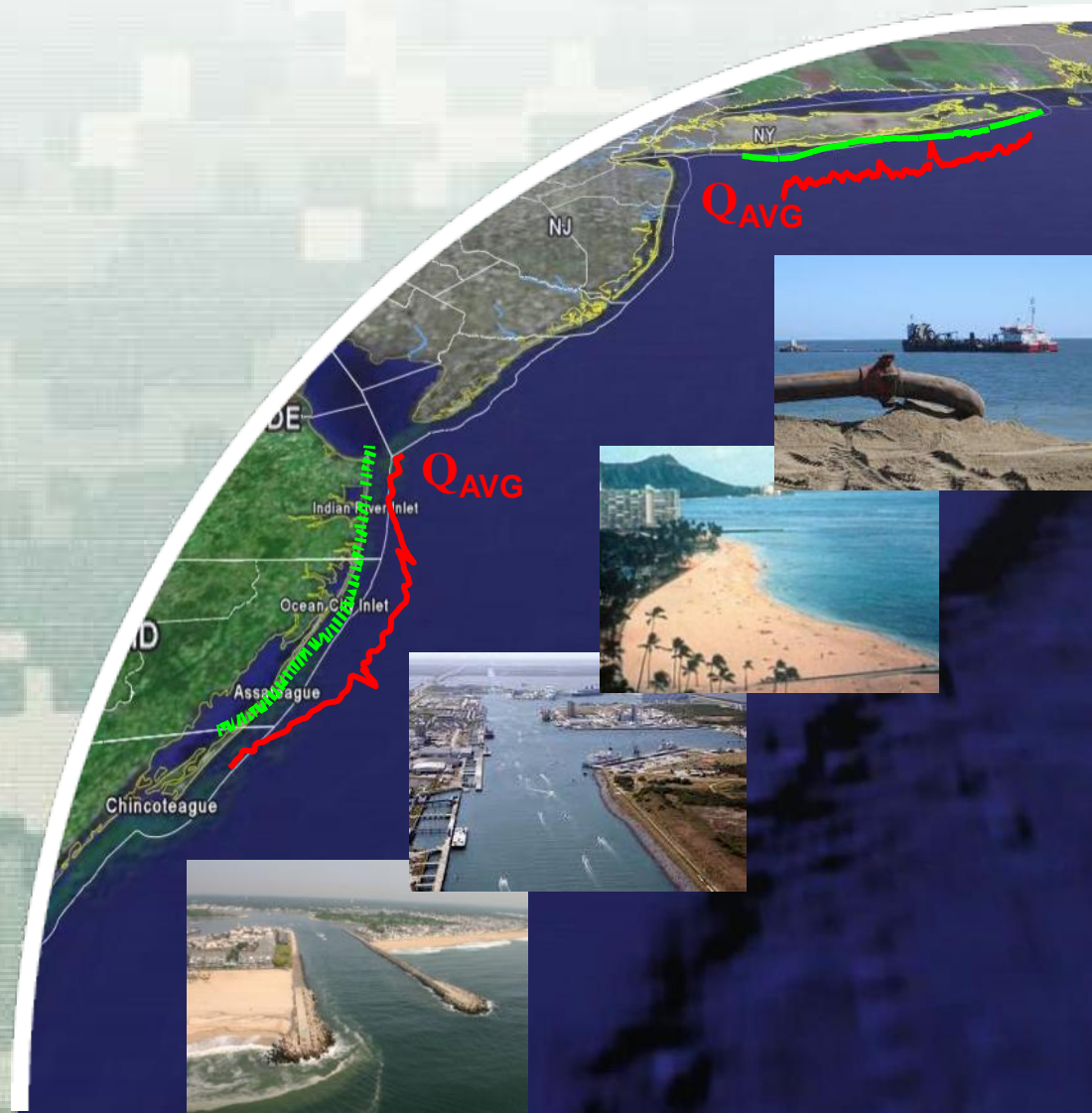
**RSM & EWN In-Progress Review**

21 July 2014



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US Army Corps of Engineers  
**BUILDING STRONG**®



# **RSM: Taking it to the next level**

- **RSM=Incredible Value to Nation**
  - Case study, SAJ
- **So What?**
- **Maturity of RSM Program**
  - Alignment w/USACE initiatives
- **RSM CX Proposal**
  - Mission, Scope, Goals





**Navigation Projects**

**HSDR Projects**

# RSM PHILOSOPHY

- >50% of O&M contracts to beach
- 20% of FRM from Fed Channels
- Added value average \$10-15M/year

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# SAJ RSM Value to the Nation 2013

FY13 NAVIGATION RSM (Supplemental/Navy )	TotalCost (NAV)	Placement	Beach volume**	Rough Value to FRM***
Port Everglades* (partial)	\$ 1,898,489	Broward SPP	96,126	\$5,959,812
Palm Beach Harbor	\$ 4,870,074	Palm Beach Co NF	420,000	\$6,300,000
Ft Pierce Inlet	\$ 3,299,090	Fort Pierce SPP	191,000	\$2,330,200
St Lucie Inlet	\$ 6,465,600	Martin Co. SPP	200,000	\$3,000,000
St Augustine Inlet	\$ 1,932,600	St Johns SPP	116,000	\$696,000
Ponce Inlet (SAW)	\$ 1,000,000	St Lucie SPP (NS)	141,000	\$2,115,000
AIWW-Jupiter Inlet	\$ 2,601,207	Palm Beach Co	55,000	\$825,000
AIWW-Haulover Inlet		Dade Co. SPP	120,000	\$6,180,000
	\$ 22,067,060			\$27,406,012
	Increased Value to Nation			
King's Bay EC (NAVY)	\$ 8,030,480	Nassau Co SPP	121,046	\$ 1,361,768

\* Includes \$1.2M NF (MOA) \*\* Includes 15% placement losses

\*\*\* Contract costs only, additional FRM value for E&D/S&A not included





# Port Everglades/Broward Co. SPP

ENTRANCE CHANNEL

PORT  
EVERGLADES  
HARBOR

AREA OF DREDGING

AREA OF DISPOSAL

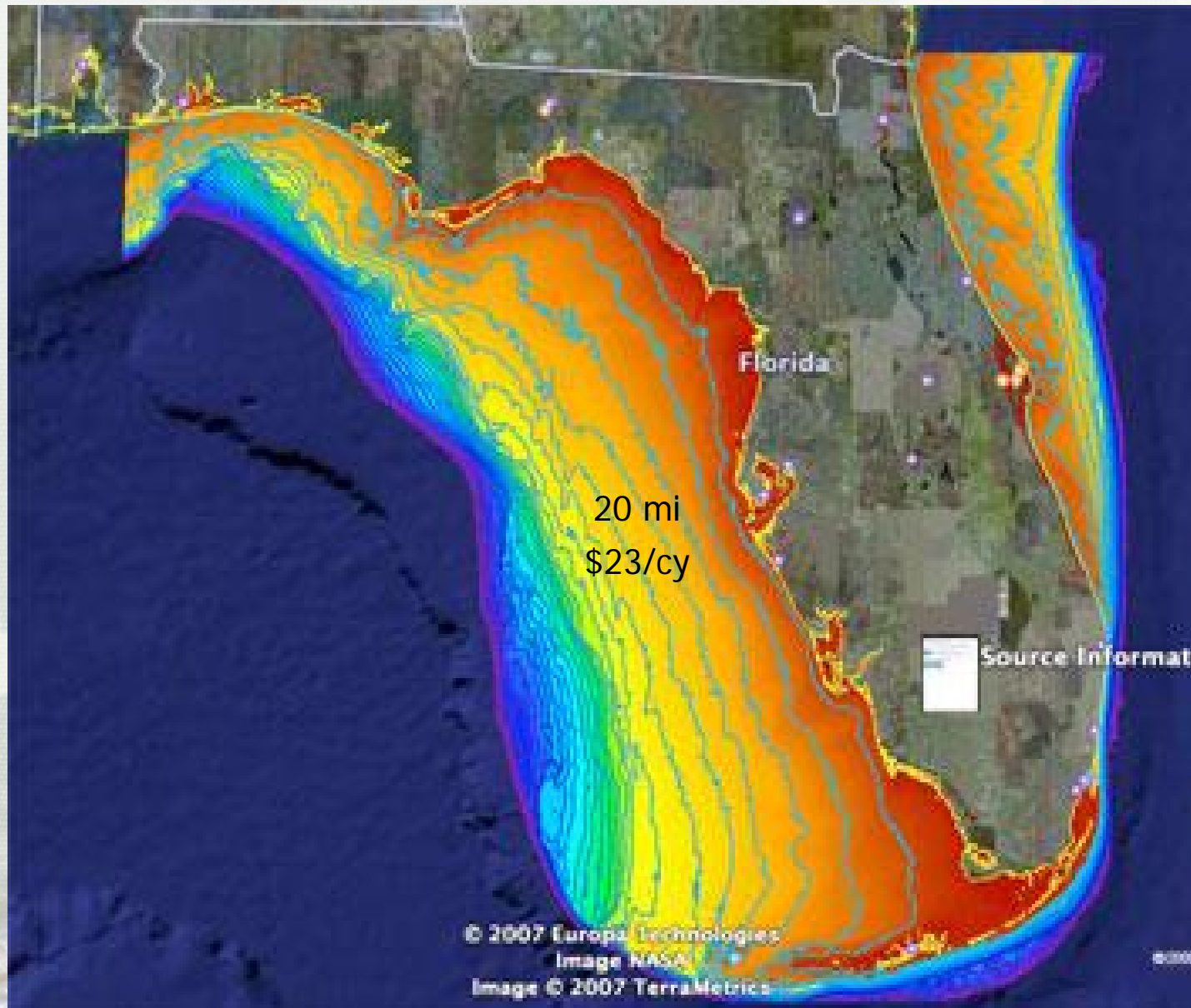
ATLANTIC OCEAN

PIPELINE

PORT EVERGLADES

NAV Cost: 698,489  
NF Cost: \$1,200,000  
FRM Value: \$2,739,591





\$/cy      miles

\$10/cy    13mi

**Increasing  
cost/value  
of sand**

**Decreasing  
distance/  
cost to  
ODMDS**

▼ \$55/cy    4.2 mi





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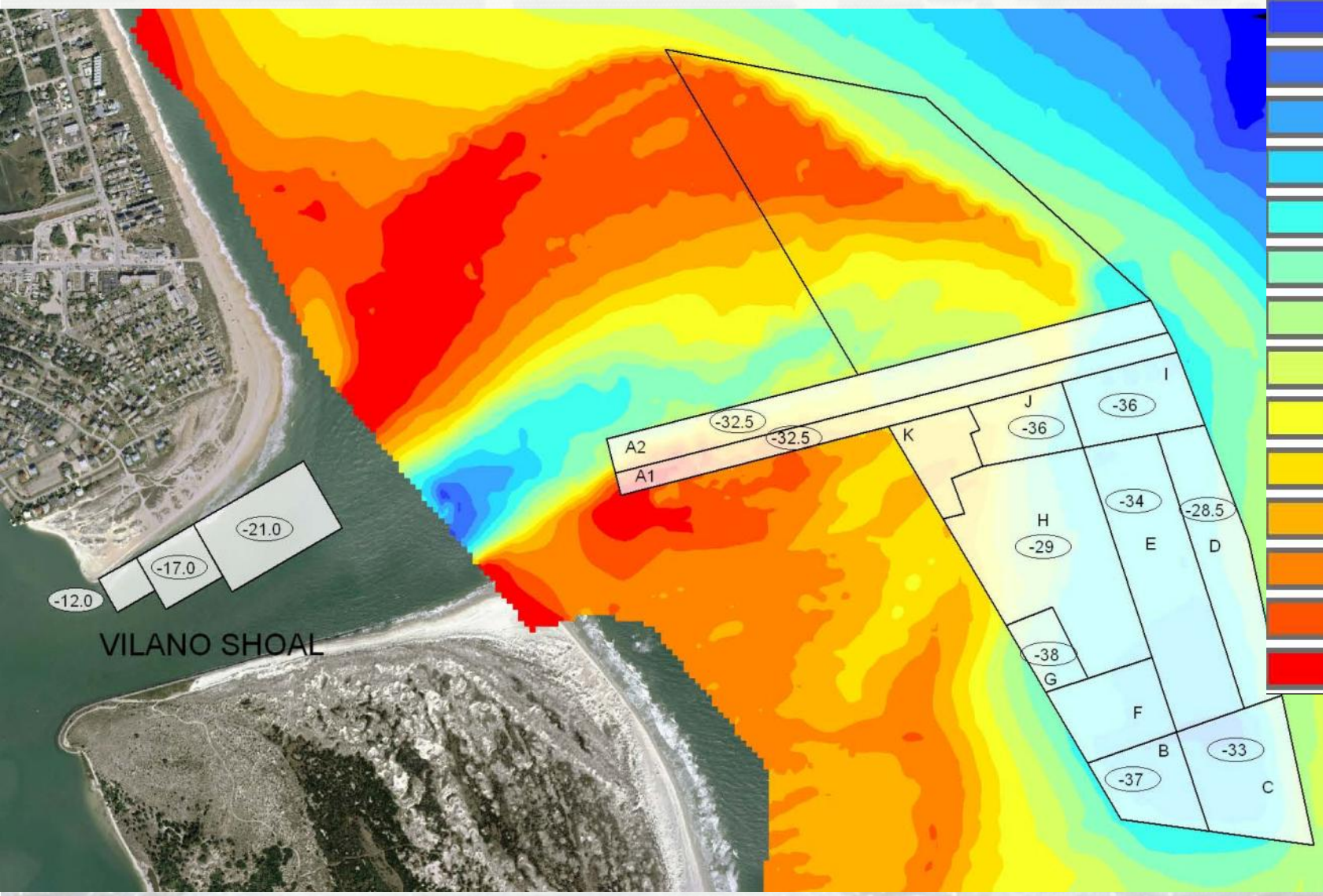
# St Johns County

- St. Augustine Inlet O&M
- Intracoastal Waterway O&M
- St. Augustine Beach CG
- Vilano Beach Feasibility GI

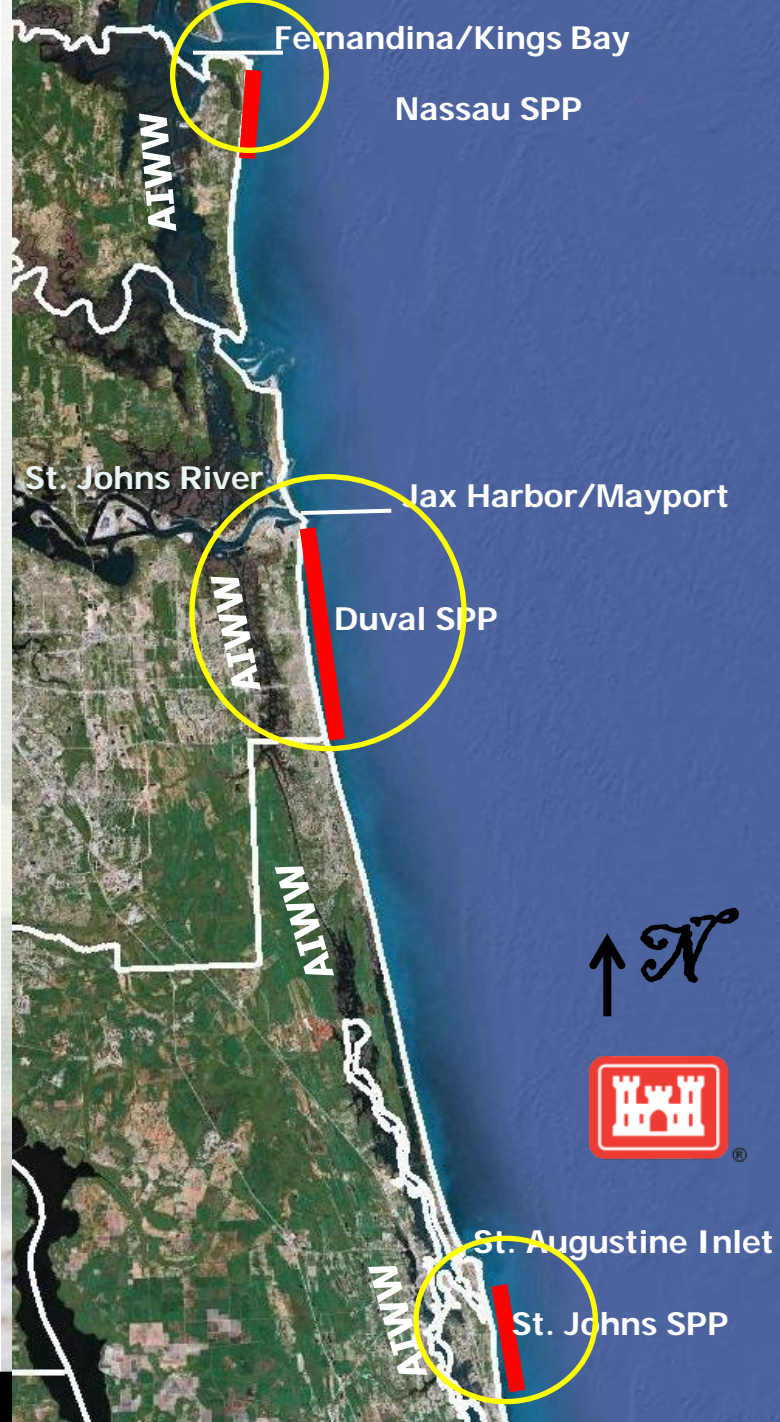




# Depth (ft)







# Quantifying the Benefits

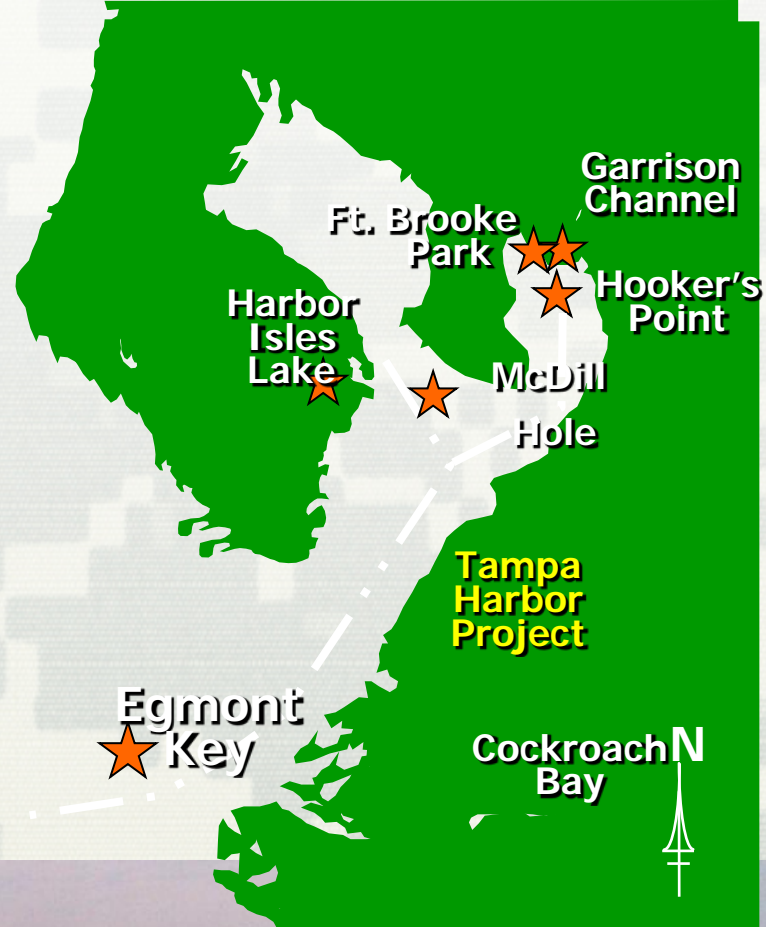
**In North Florida alone, over recent project history, there has been a "savings" or added value of over \$90M through implementation of RSM principles.**



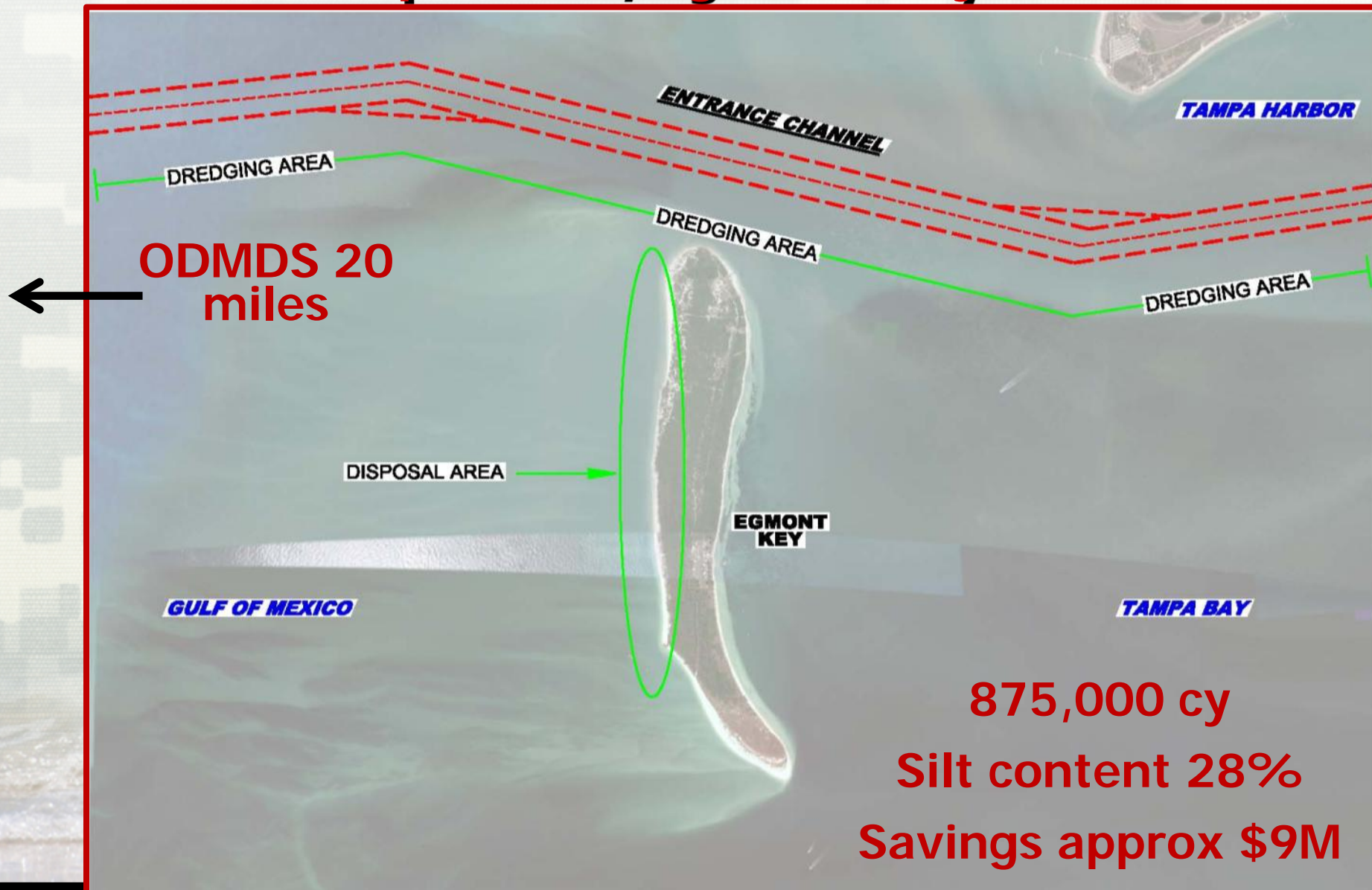




# Tampa Harbor & Egmont Key



# FY14 example Tampa O&M/Egmont Key





# What RSM does for us:

- Helps us bridge the gap between authorities/appropriations
- Typically least cost/saves \$
- Conserves scarce resources – sediment/disposal capacity
- Helps us understand the regional system
- RSM provides permitting leverage/stretches the “box”
- Allows for construction of otherwise unfunded projects
  - Creates value/jobs/HSDR/Environmental improvements
- Makes stakeholders very happy

## What RSM does NOT do for us (yet):

- Help our projects get funded

**RELEVANT, RESILIENT, & RESOURCEFUL**





**If RSM is happening but no one knows  
how much or the value provided...**





# Maturation of RSM

- Many Districts are implementing RSM but the extent and value is unknown
- RSM has great potential to drive our budgets
  - Prioritization based on:
    - Biggest bang for the buck/Return on Investment
    - Highest economic, environment, and public safety returns
- Budgets /budgeting is evolving
- RSM embodies to almost every USACE initiative
  - Resiliency, Sustainability, Synergy, Watershed
- It is time to take RSM to the next level !
  - Communicate **VALUE TO THE NATION**
  - Drive the budget and “Operationalize”



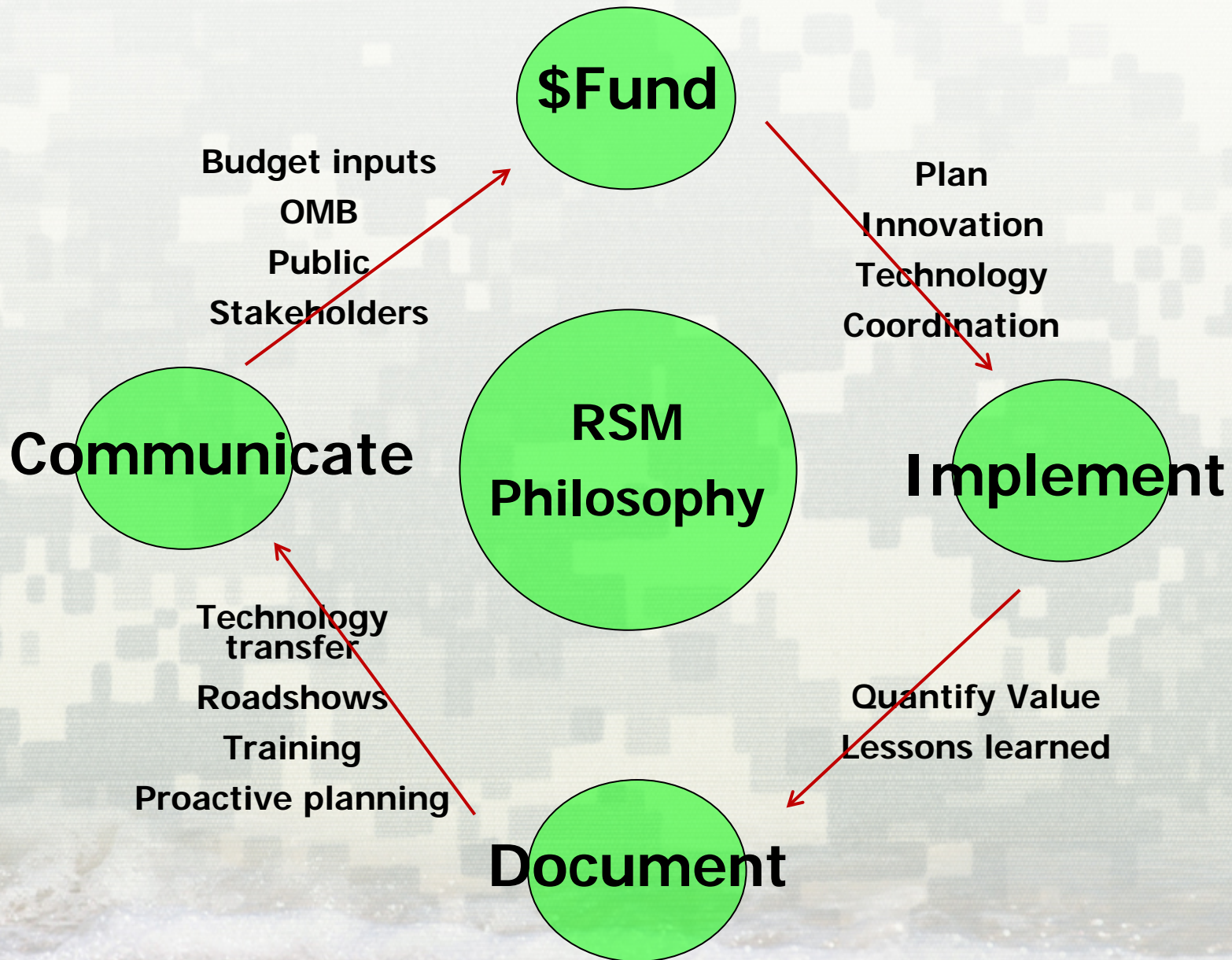


# RSM CX PROPOSAL

- **Implementation Branch of RSM** – Not just studying, DREDGING, documenting and communicating value. Provide practical assistance.
- **Provide technical assistance, training, consistent source of guidance on laws and policy, lessons learned**
  - Roadshows to get leadership buy in
  - Technical training offered as needed
- **Maintain records on RSM projects** –Virtual library/website
- **Track, document, quantify and COMMUNICATE Value to the Nation**
  - Develop consistent method for calculating return on investment
    - Ensure decision makers understand return on investment
    - Assist in evolution of budget priorities/policies: watershed management, asset management, cross business line budgeting
    - Public Outreach - Good news stories for the Corps/Navigation Program









# RSM CX

- **Organization**- SAJ plus virtual SME's, RSM RD&T program, Leadership team, HQ proponents, All Divisions
- **Voluntary participation of Districts**
  - No requirement to use/pay CX
  - No mandatory reviews/approvals
- **Funding**
  - ERDC RSM funded via annual proposal for programmatic actions
  - Direct funding for technical assistance on specific projects
  - Potential work for other Feds (EPA, BOEM, FEMA, NAVY)
  - Public/Private Partnerships

**RELEVANT, RESILIENT, & RESOURCEFUL**





# RSM Next Level Summary

- 1. USACE and particularly the Nav program is providing amazing value to the nation and we need to communicate that value at the highest levels**
  - Influence budget changes, prioritization
  - In line with multiple USACE initiatives/goals
- 2. A much greater potential for RSM exists and needs to be realized through practical guidance and leadership involvement driven by funding priority**
  - Maximize ROI in constrained funding environment
- 3. TCX Proposal to facilitate Implementation and communication of RSM**
  - Voluntary – no approvals/process
  - Small investment, large returns, drive the cycle

