

Regional Sediment Management

USACE Success & Challenges

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Presented by:

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U.S. ARMY CORPS OF ENGINEERS | REGIONAL SEDIMENT MANAGEMENT

USACE & RSM

Number one challenge to USACE mission is funding/budget
NAV = \$2B/200MCY

200MCY can be an asset or a liability

RSM is:

A systems approach that recognizes the
value of sediment as a critical resource.



Top 4 Challenges to RSM Implementation

1. Financial

- No incentive!, budget penalty vs. priority, no understanding or recognition of value, risk to execution (2101), coordination funds, non-Federal funding coordination

2. Authority/Policy

- Lack of understanding, unclear & inconsistent guidance. Cross, business lines, Fed Standard, CAP, 7a, other creative potential, risk/fear, 3X3X3

3. Environmental

- Risk, time, funding, coordination
- Understand issues and state of the science, what questions need to be answered

4. Operational

- Innovative techniques are required, risk, perceived expense.
- Understand issues and state of technology. Industry wants to help.



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“Your WHY has to be
BIGGER than their no.”

RSM Optimization Pilot

What does maximum efficiency look like to a program?

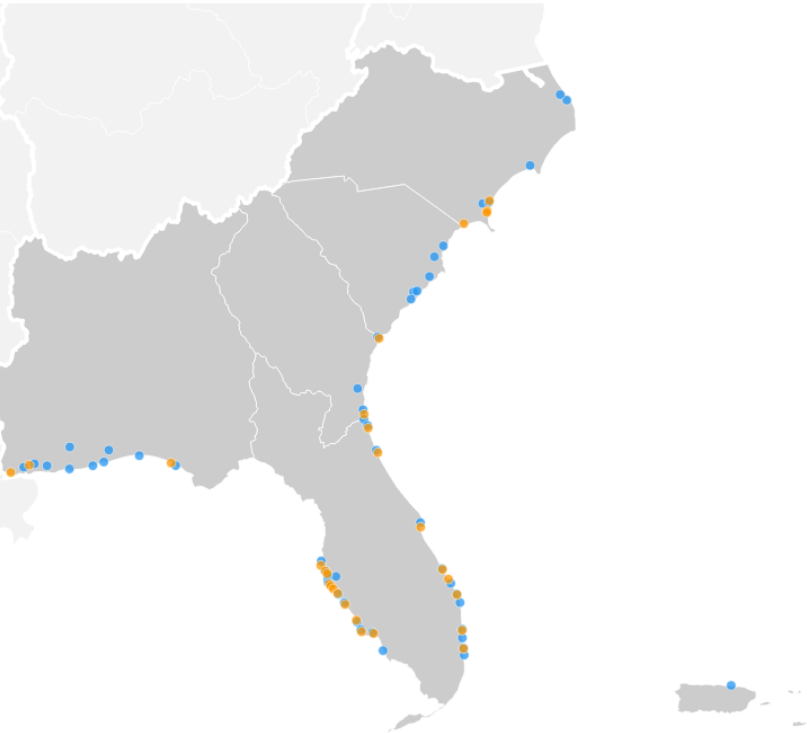


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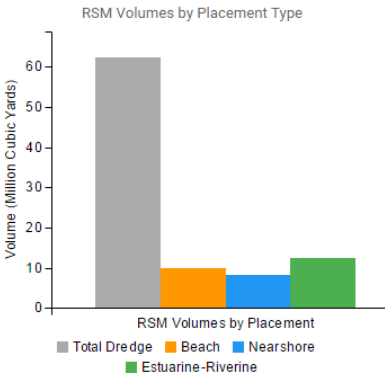
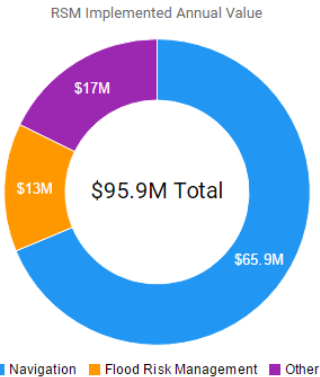


RSM Optimization Pilot

Division



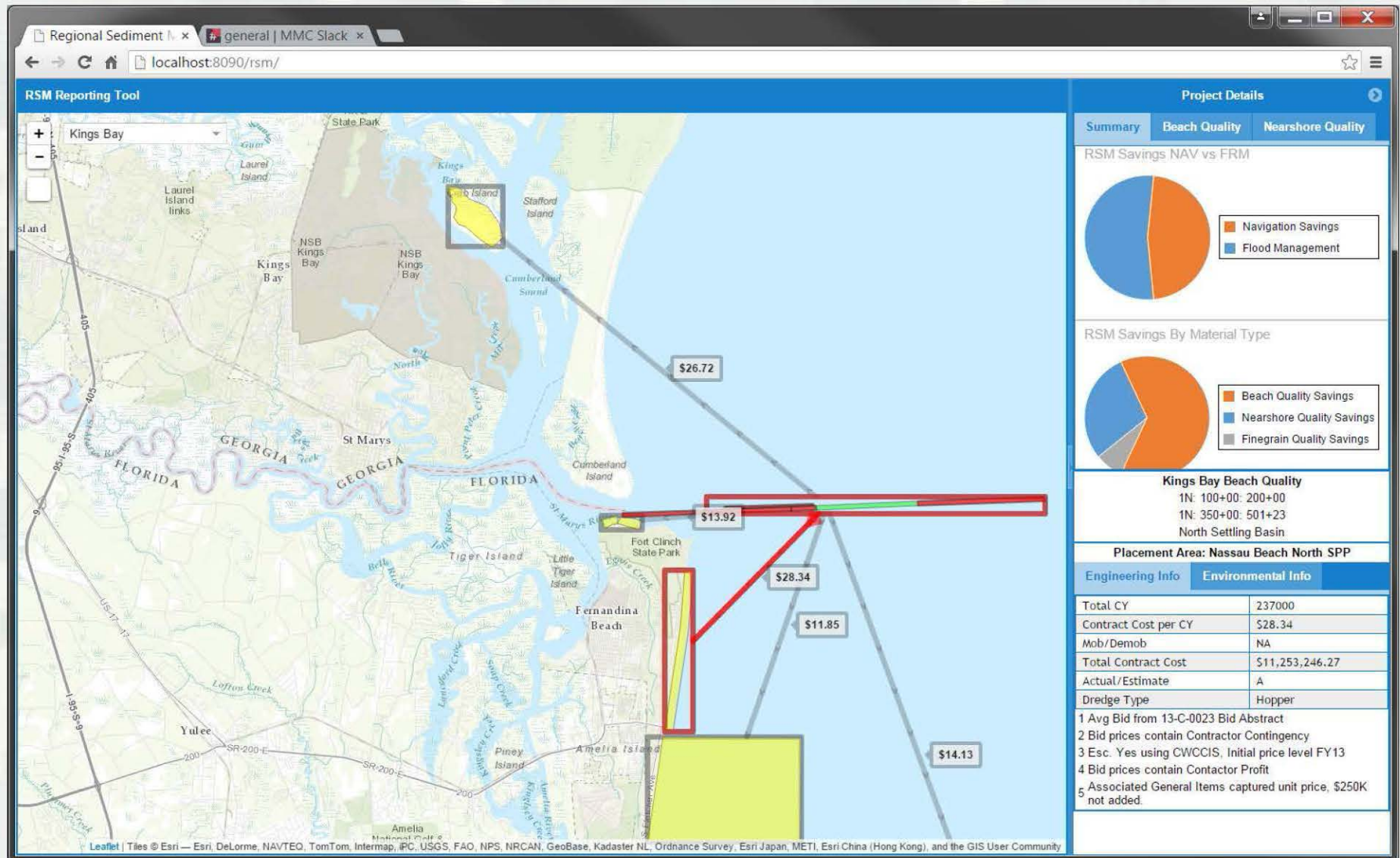
Summary



Project Type	Implemented RSM Annual Value	Identified RSM Opportunity Annual Value
Navigation	\$65.9 Million	\$4.2 Million
Flood Risk Management	\$13 Million	\$5 Million
Other	\$17 Million	\$7.2 Million
Total	\$95.9 Million	\$16.4 Million

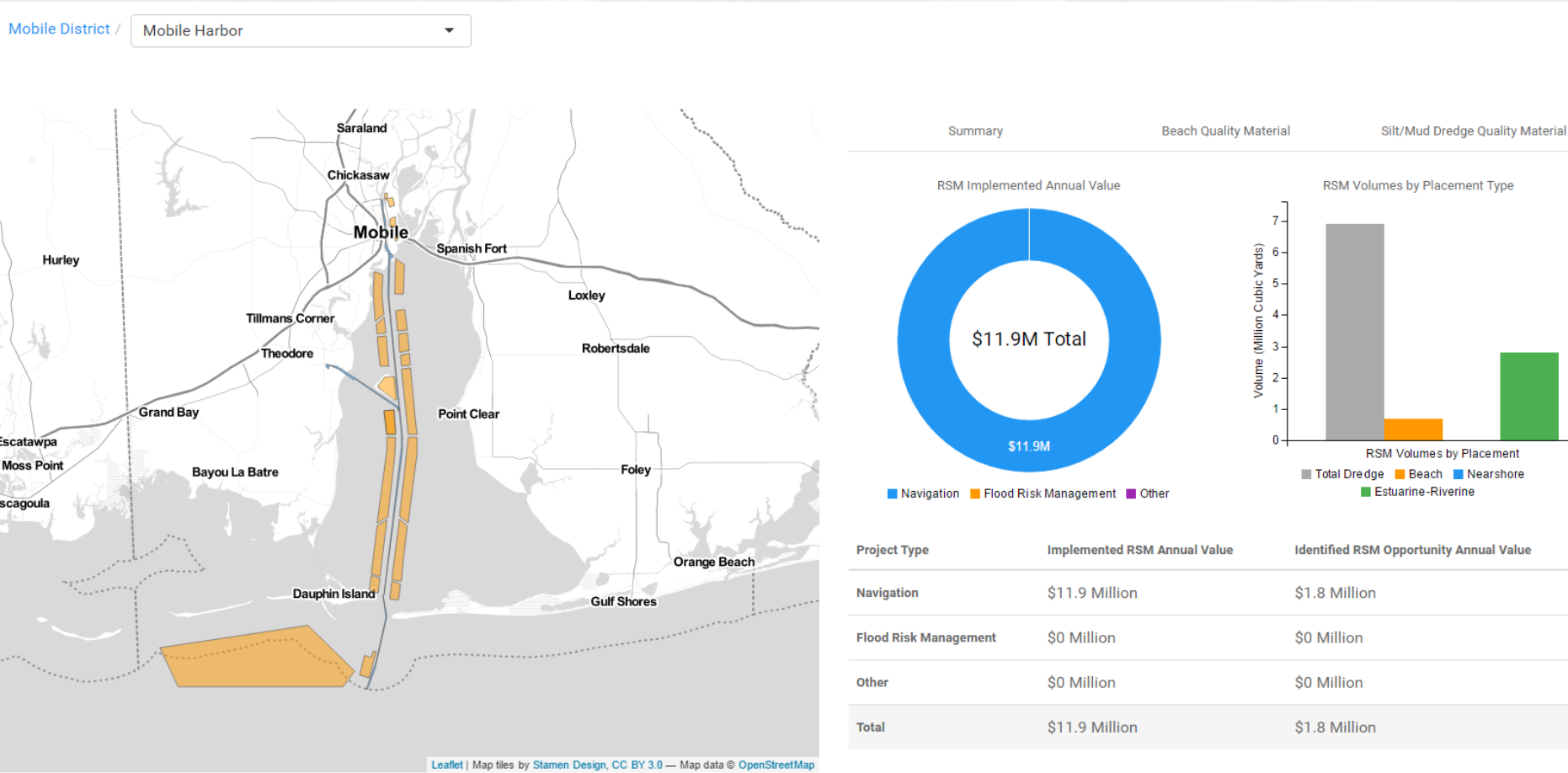
South Atlantic Division

RSM Optimization Pilot



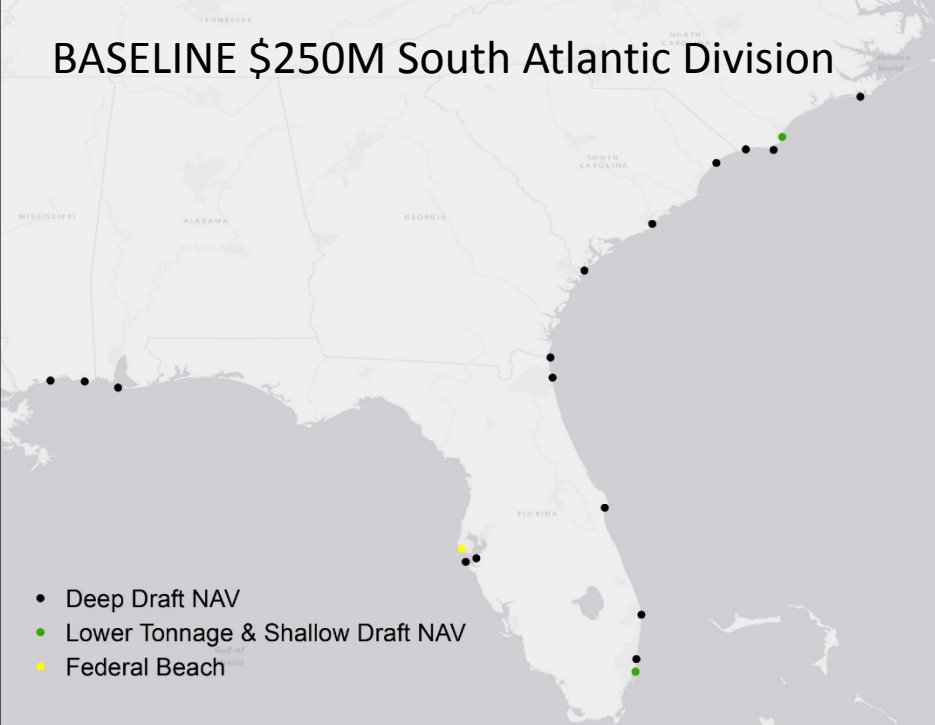
Project level detail

RSM Optimization Pilot

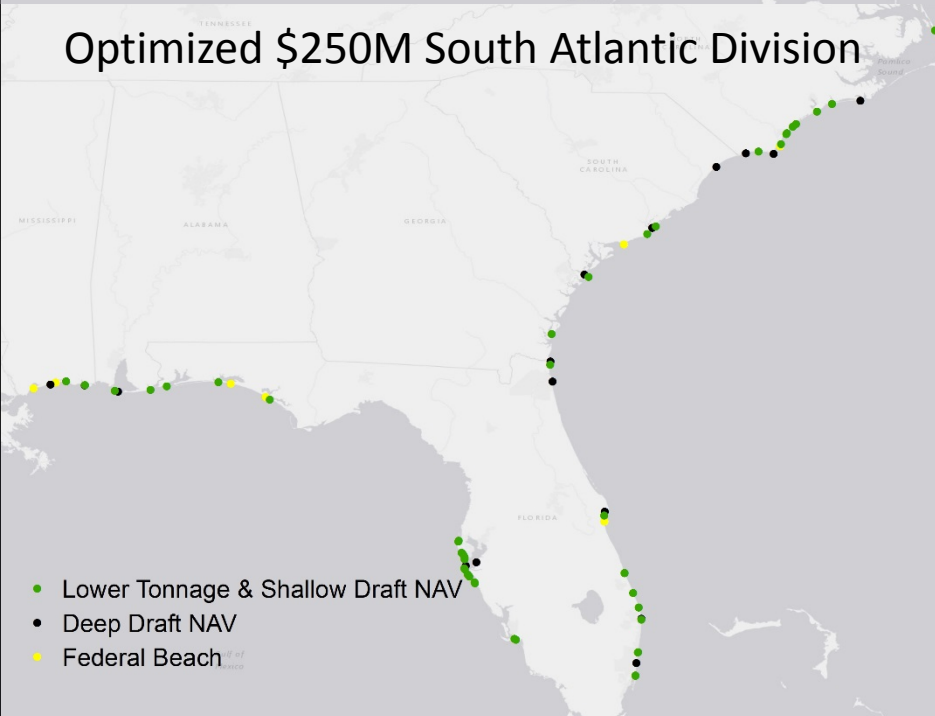


Project level detail

BASELINE \$250M South Atlantic Division



Optimized \$250M South Atlantic Division



What does it mean?: Budget
Efficiencies are there for the taking

+**71%** more project execution
NAV execution +**29%**, **\$63.3M**
FRM execution +**49%**, **\$14.6M**
FRM RSM Beach Lifecycle Value :
+\$350M

>\$16.6M in regional/local value

Reduce long term DMMA/ODMDS costs

There is much more left on the table
4 deepening in SAD, **98MCY**, **\$2.3 B**

Success: Mississippi River Value?

1938



1985



2009 Pilot project =
4700 acres of wetland
creation/improvement
-within the Federal
Standard

2015



What do we need?

- Understanding/Quantification of ECO and other RSM value
 - Our YES has to be bigger than their NO
- Willingness to change/Stakeholder engagement
- Budgetary and Policy support
 - Regional approach
 - Recognition of cross business line benefits
 - Ability/encouragement to budget across business lines and appropriations
 - Planning/economics consideration of RSM value



Thank You!

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