Taking RSM to the Next Level

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Chief, Coastal and Navigation
USACE Jacksonville District

RSM & EWN In-Progress Review
21 July 2014

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
Integrated Dredging Program

- **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
<table>
<thead>
<tr>
<th>FY13 NAVIGATION RSM (Supplemental/Navy )</th>
<th>Total Cost (NAV)</th>
<th>Placement</th>
<th>Beach volume**</th>
<th>Rough Value to FRM***</th>
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<tbody>
<tr>
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*Includes $1.2M NF (MOA)  **Includes 15% placement losses  ***Contract costs only, additional FRM value for E&D/ S&A not included

**Increased Value to Nation**
Port Everglades/Broward Co. SPP

PORT EVERGLADES HARBOR

ENTRANCE CHANNEL

AREA OF DREDGING

AREA OF DISPOSAL

ATLANTIC OCEAN

PORT EVERGLADES

NAV Cost: 698,489
NF Cost: $1,200,000
FRM Value: $2,739,591
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<th>Cost ($/cy)</th>
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<td>$10</td>
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Increasing cost/value of sand.

Decreasing distance/cost to ODMDS.
## SAJ RSM Value to the Nation 2013

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St. Johns County

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

10% of Beach from O&M
80% Nav dredging from SPP
In North Florida alone, over recent project history, there has been a “savings” or added value of over $90M through implementation of RSM principles.
FY14 example
Tampa O&M/Egmont Key

ODMDS 20 miles

875,000 cy
Silt content 28%
Savings approx $9M
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/stretch 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
$Fund

Implement

Plan
Innovation
Technology
Coordination

Document

Communicate

RSM Philosophy

Budget inputs
OMB
Public
Stakeholders

Technology transfer
Roadshows
Training
Proactive planning

Quantify Value
Lessons learned
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