Regional Sediment Management
Common goals for uncommon results

AAPA Presentation
September 16, 2015

Presented by:
Jackie Keiser, PG, PMP
Dredging Program Manager
Director, RSM-RTCX
Jacksonville District
U.S. Army Corps of Engineers

Linda Lillycrop
RSM USACE Program Manager
ERDC-CHL
U.S. Army Corps of Engineers
Agenda

- Navigation Problem Statement
- Dredged Material as a Resource
  - Success stories, common themes
  - The Federal standard & tools of implementation
- AAPA/Corps Next Steps: Stakeholder Collaboration
  - Workshops
  - Outreach
  - Report: Goals, actionable items
Problem Statement: The Perfect Storm

USACE: Dredges 200 MCY/Yr, Approx $2.0 B

Budgets flat-lined, costs increasing dramatically
What is the value of a common goal?
Perfect storm:
- Constrained budgets
- Increasing costs
- Increasing requirements
- Climate change/Sea level rise

The Good News:
- Value of Sediments is rising
- Navigation Sediment is an Environmental Resource
- Ability to leverage previously competing needs
  - (Ports/Ecosystem/Beaches)

Regional Sediment Management
REGIONAL SEDIMENT MANAGEMENT IS NOT NEW
But the approach is.

USACE RSM Center
Role: Operationalize RSM

- Assist District implementation
  - Technical, policy, budget
- Quantify, track, & communicate success & value
- Budgetary recognition of RSM
MOBILE HARBOR – AL Gulf Coast

- RSM initiative:
  Develop Interagency Working Group (IWG)

- IWG’s Role:
  Develop/implement long/short-term sediment strategies to accommodate Port and USACE disposal needs

- First Obvious Conclusion:
  Need to keep dredge material in the bay system

- Homerun: Precedent setting in-bay thin layer placement and cost savings

O&M CONTRACT SAVINGS: Approx $8M
- **RSM initiative:**
  Involve Interagency Working Group (IWG)

- **IWG’s Goal:**
  Preserve Egmont Key

- **Homerun:**
  Precedent of fines placement on beach as well as cost savings.

**O&M CONTRACT SAVINGS:** Approx $9M
RSM: EXPANDING OUR ENVIRONMENTAL “BOX”

PRICELESS
RSM “saves” projects
Whether or not we bring dollars to the table

Jacksonville Harbor, Milepoint

Savings to Port approx $9M
St Augustine Inlet $1.9M, St Johns County SPP $700,000

Ponce Inlet $1,000,000
Volusia County $2,100,000

Fort Pierce Inlet $3,300,000
Fort Pierce SPP $2,340,000
St Lucie Inlet $6,466,000
Martin Co SPP $3,000,000
AIWW Jupiter Inlet $900,000
Palm Beach Co. $825,000
Palm Beach Harbor $4,900,000
Palm Beach Co. $6,300,000
Port Everglades $1,900,000
Broward Co. SPP $6,000,000*
AIWW Bakers Haulover $1,500,000
Dade Co. SPP $6,200,000

Cost of Navigation Dredging = $22.1M
Value added to Florida’s beaches = $27.4M

Jacksonville District 2013
Value: Cross Business Lines
NAV/FRM

• 2 for the price of 1
  • Permitting, design, mob, construction, S&A/E&D
• Benefits NAV and Beach
• Conserve disposal capacity
• Preserve offshore resources
• Saves $
• Easy permitting
• Builds relationships
Common Threads:

- Dredged Material as a resource
- Proactive Stakeholder involvement
- Ports as active participants
- Collaborative Spirit
- Understanding of needs and value
- Can do attitude
THE FEDERAL STANDARD 33 CFR 335

“the dredged material disposal alternative or alternatives identified by the Corps which represent the least costly alternatives consistent with sound engineering practices and meeting the environmental standards established by the 404(b)(1) evaluation process or ocean dumping criteria”

► Should not be a crutch for inaction
► We have all the authority we need
► Figure out needs first, then work out the funding
We need your help!

STAKEHOLDER INVOLVEMENT

- **Regional Stakeholder Workshops**
  - Healthy Ecosystems - Problems and opportunities
  - Corps as a collaborator/integrator and a resource to accomplish stakeholder goals
  - Ports as facilitator to get local leaders and stakeholders engaged
STAKEHOLDER INVOLVEMENT

We need your help!

- Regional Stakeholder Workshops

  Result in:
  - Regional reports with goals, actions
  - Local workshops with project specific actions
  - Understanding of stakeholder/ecosystem goals/needs and Corps capabilities

Construction of beneficial use projects
In Summary

The Corps seeks to increase the beneficial use of dredged sediment through RSM

Success is…

Today: Ports agreement to collaborate

2016-17: Series of workshops that identify projects

Long term: Proactive collaboration to make beneficial use of dredged material standard operating procedure
THANK YOU!
For additional information and assistance with Regional Sediment Management contact:

Jackie Keiser, Director, Center for RSM (Jacksonville)
Jacqueline.J.Keiser@usace.army.mil
904-232-3915

Linda Lillycrop, USACE RSM Program Manager (ERDC)
Linda.S.Lillycrop@usace.army.mil