

Regional Sediment Management

Common goals for uncommon results

AAPA Presentation
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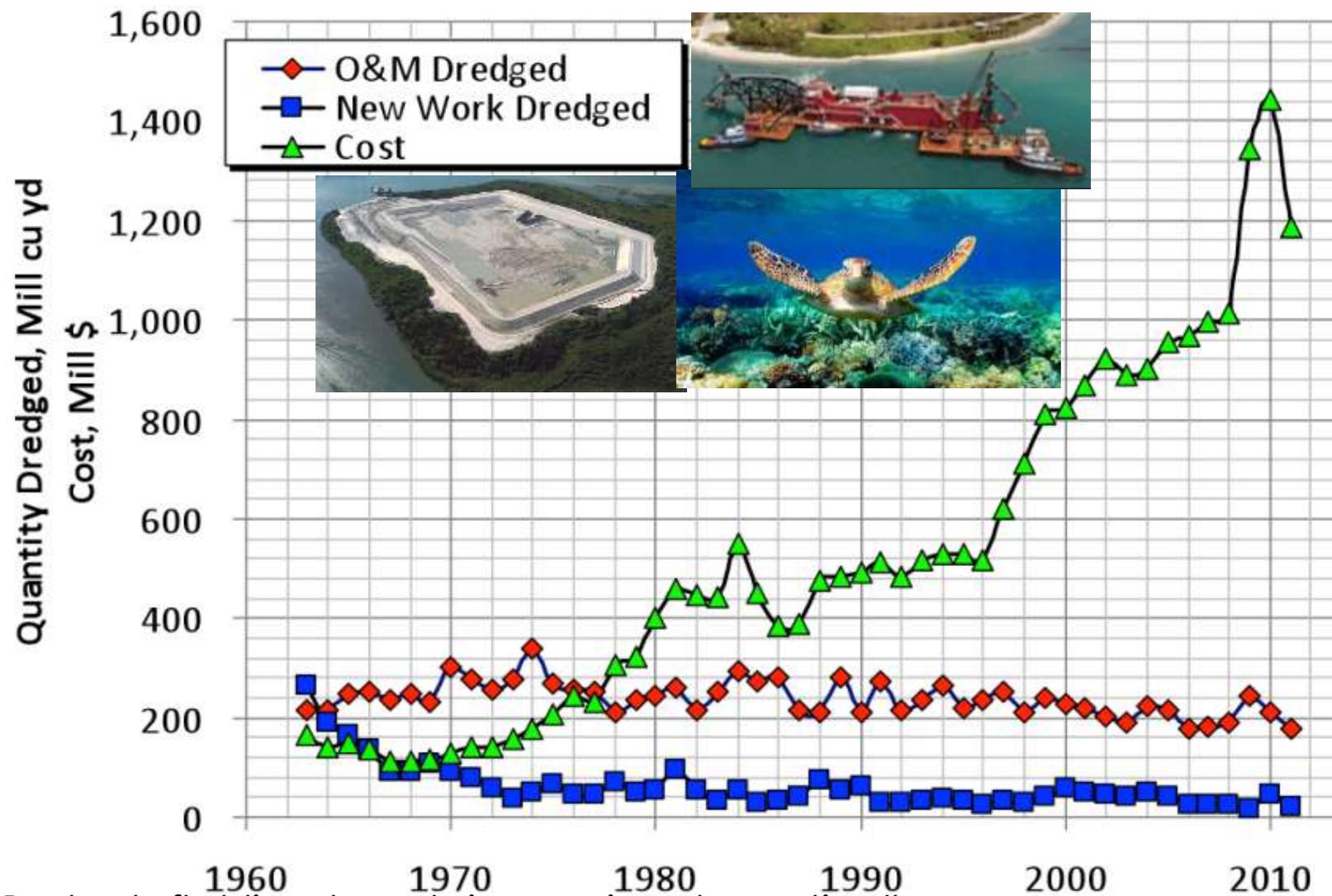
Agenda

- 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?

Jury still out on impact of the Port Bay Dredging



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



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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



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Nate Lovelace, Mobile District

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:

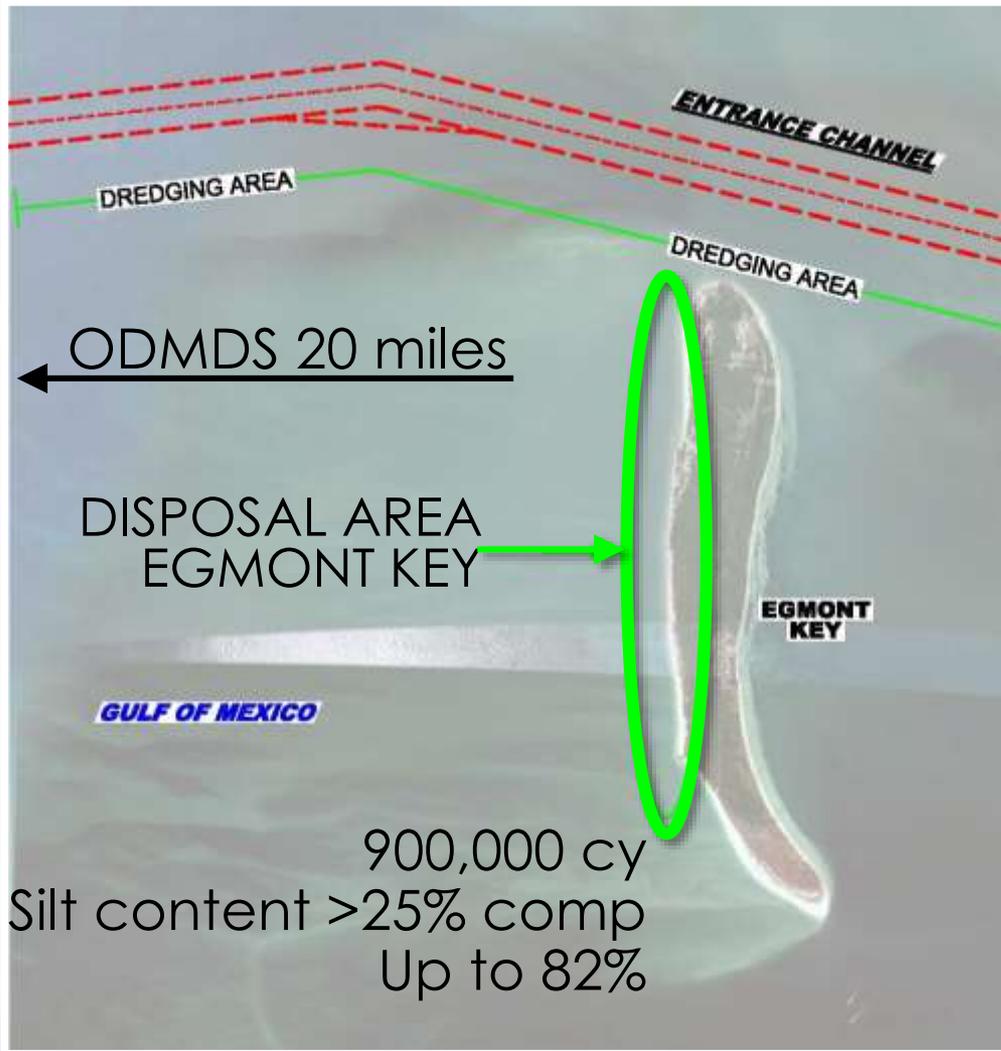
Need to keep dredge material in the bay system

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

O&M CONTRACT SAVINGS: Approx \$8M



Milan Mora, Jacksonville District TAMPA HARBOR



-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"



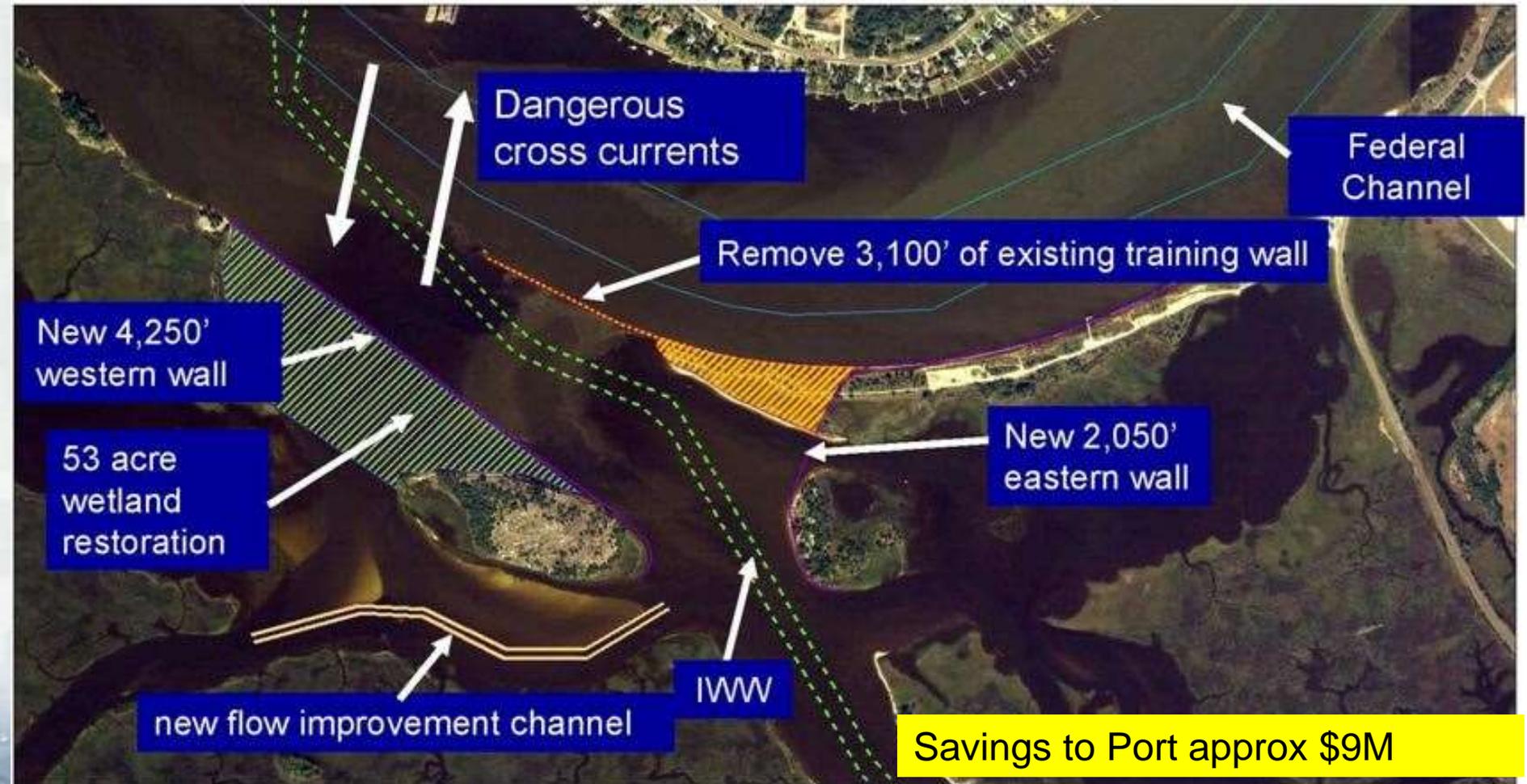
PRICELESS



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RSM "saves" projects

Whether or not we bring dollars to the table



Jacksonville Harbor, Milepoint



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 permtting
- 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



RSM, NAVIGATION & THE FEDERAL STANDARD

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**



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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
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