

RSM, So What?

CORPS BUDGETING, & THE FEDERAL STANDARD

National Dredging Meeting
June 3, 2015

Presented by:
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RSM = Sustainable Solutions for.....

Navigation/ Dredging



Flood Risk Management



Environmental Restoration



RSM Operating Principles

- Recognize sediment as a regional resource
- Balanced, economically viable, environmentally sustainable solutions
- Improve economic performance by linking multiple projects
- Optimize operational efficiencies & natural exchange of sediments
- Local actions with regional benefits
- Apply/develop technology & tools to optimize system
- Share information & data, reduce data duplication
- Coordinate/Communicate/Collaborate
USACE, stakeholders & partners, ASBPA, WEDA, etc

HISTORICAL RSM PARTICIPATION (2000-2015)



◆ 27 Districts (20 Coastal, 7 Inland)

◆ ERDC, IWR-HEC



RSM Center of Expertise
“National Center”
Est. December 2014



Role: Operationalize RSM

- HQ at SAJ/SAD; *National District representation and participation*
- Assist District implementation/construction of RSM opportunities
- Quantify, track, & communicate success, value/benefits and cost savings
- Budgetary recognition of RSM
- Share funding/work opportunities across Districts



RSM is... so many buzzwords

Value to the Nation

Resiliency

Sustainability

Systems approach

Integration

Synergy

- Districts and Stakeholders are asking for help
- Program needs to mature



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REGIONAL
SEDIMENT
MANAGEMENT
IS NOT NEW

BUT SO MUCH
UNTAPPED
POTENTIAL
REMAINS



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RSM, So what?

PROJECT BACKLOG, TOUGH CHOICES

\$1.125 B CONSTRUCTION FUNDS (FY15) VS. \$60B PROJECT BACKLOG

"This is a performance-based budget that funds the construction of projects that provide the greatest returns on the Nation's Civil Works investments for the economy, environment and public safety."

"The budget continues to reflect the tough choices necessary to put the country on a fiscally sustainable path."

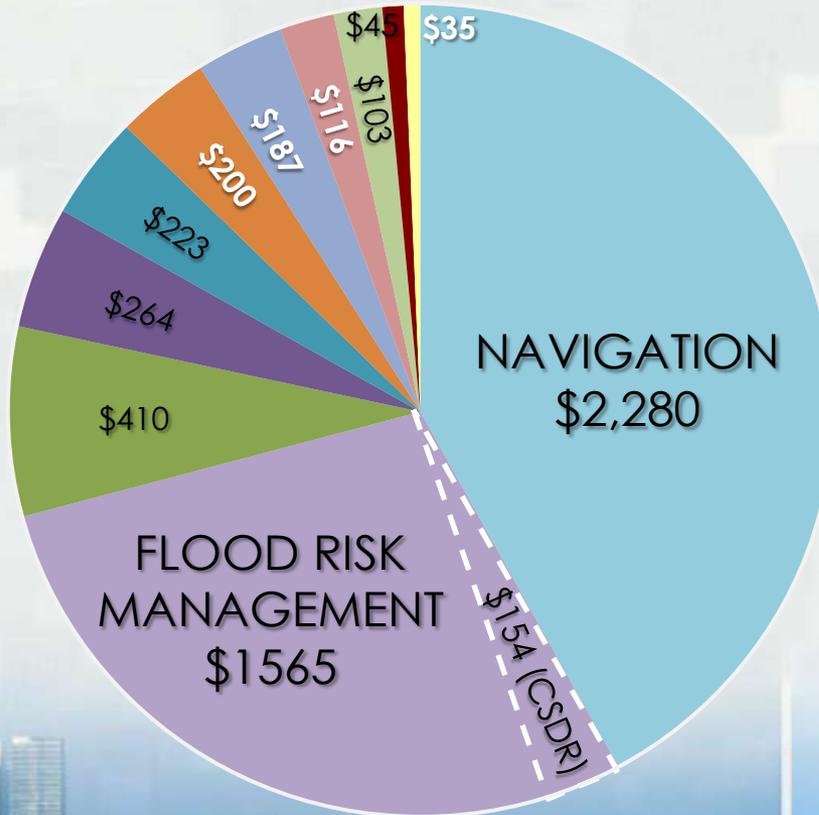
The Honorable Jo-Ellen Darcy
on the FY 2015 President's budget



SO WHAT: PERFORMANCE BASED BUDGETS

BUDGET: FY14 CIVIL WORKS BUDGET BY APPROPRIATION (\$ Millions)

Source: FY14 Corps of Engineers Annual Civil Works Fiscal Report



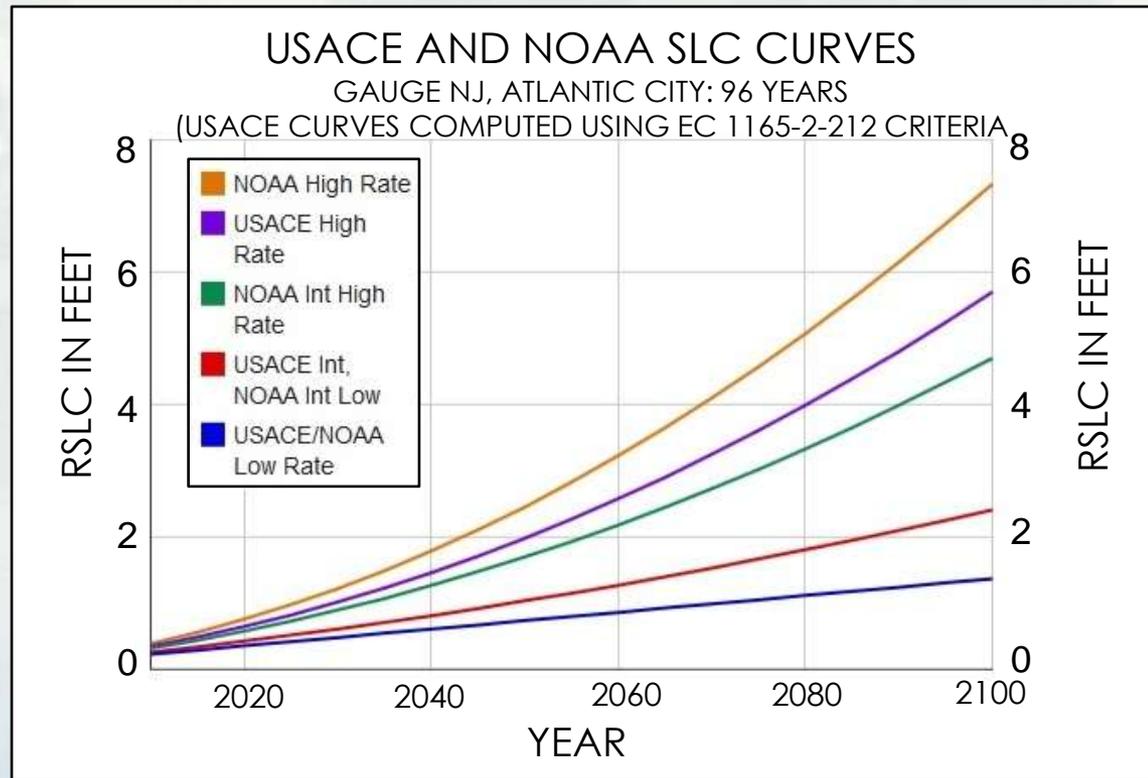
- NAVIGATION
- FLOOD RISK MANAGEMENT
- ENVIRONMENT (ECOSYSTEM RESTORATION)
- RECREATION
- HYDROPOWER
- REGULATORY
- EXECUTIVE DIRECTION & MANAGEMENT
- ENVIRONMENT - STEWARDSHIP
- ENVIRONMENT - FUSRAP
- WATER STORAGE FOR WATER SUPPLY
- EMERGENCY MANAGEMENT



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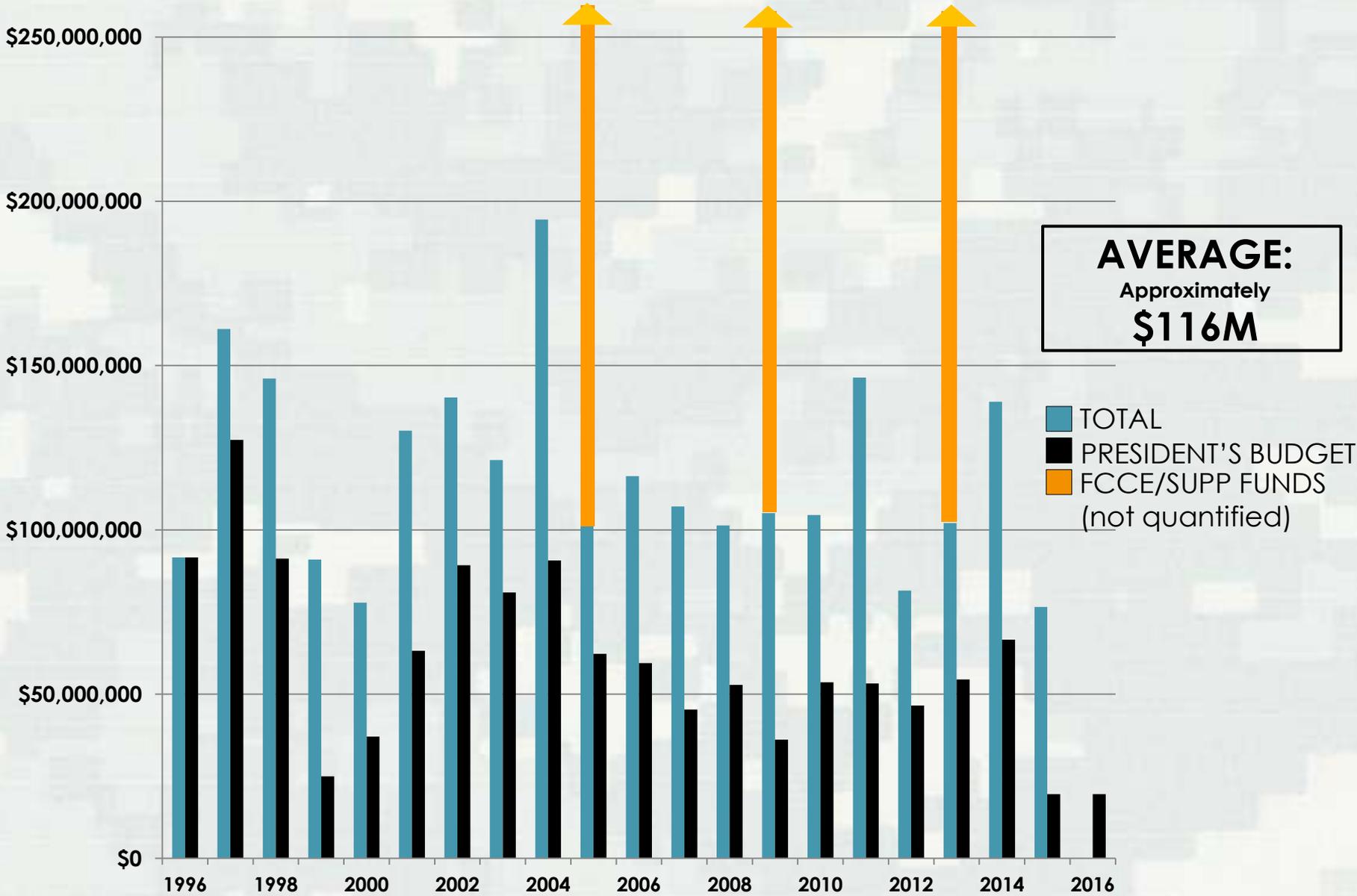
SO WHAT:

- VALUE OF SEDIMENT IS RISING.
- BEACHES ERODING
- WETLANDS DROWNING
- INDEFINITE RENOURISHMENTS PER STATUS QUO NOT REALISTIC OR SUSTAINABLE

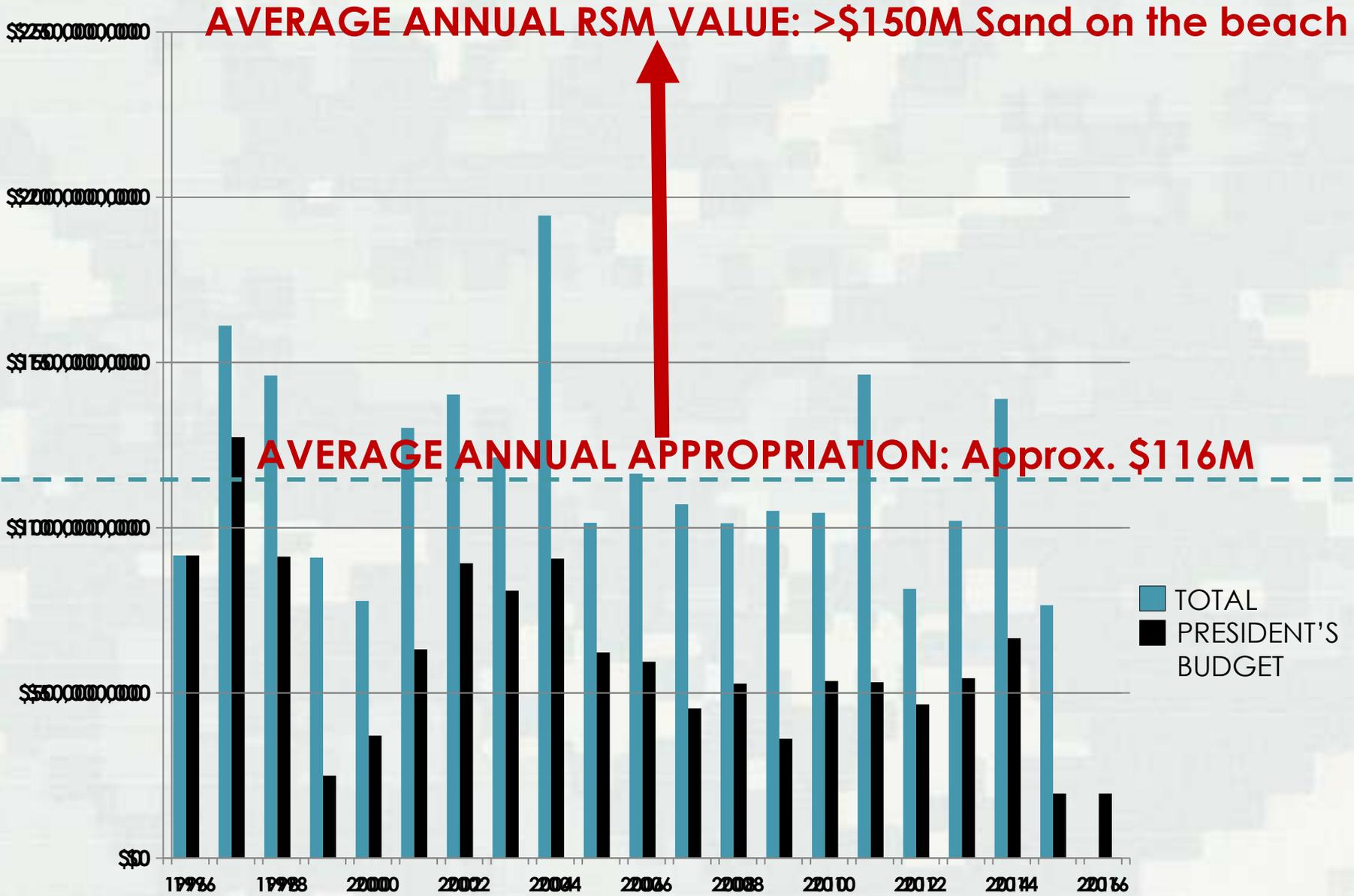


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20 YEARS OF FEDERAL APPROPRIATIONS FOR BEACHES (C, I, O&M)



20 YEARS OF FEDERAL APPROPRIATIONS FOR BEACHES (C, I, O&M)





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

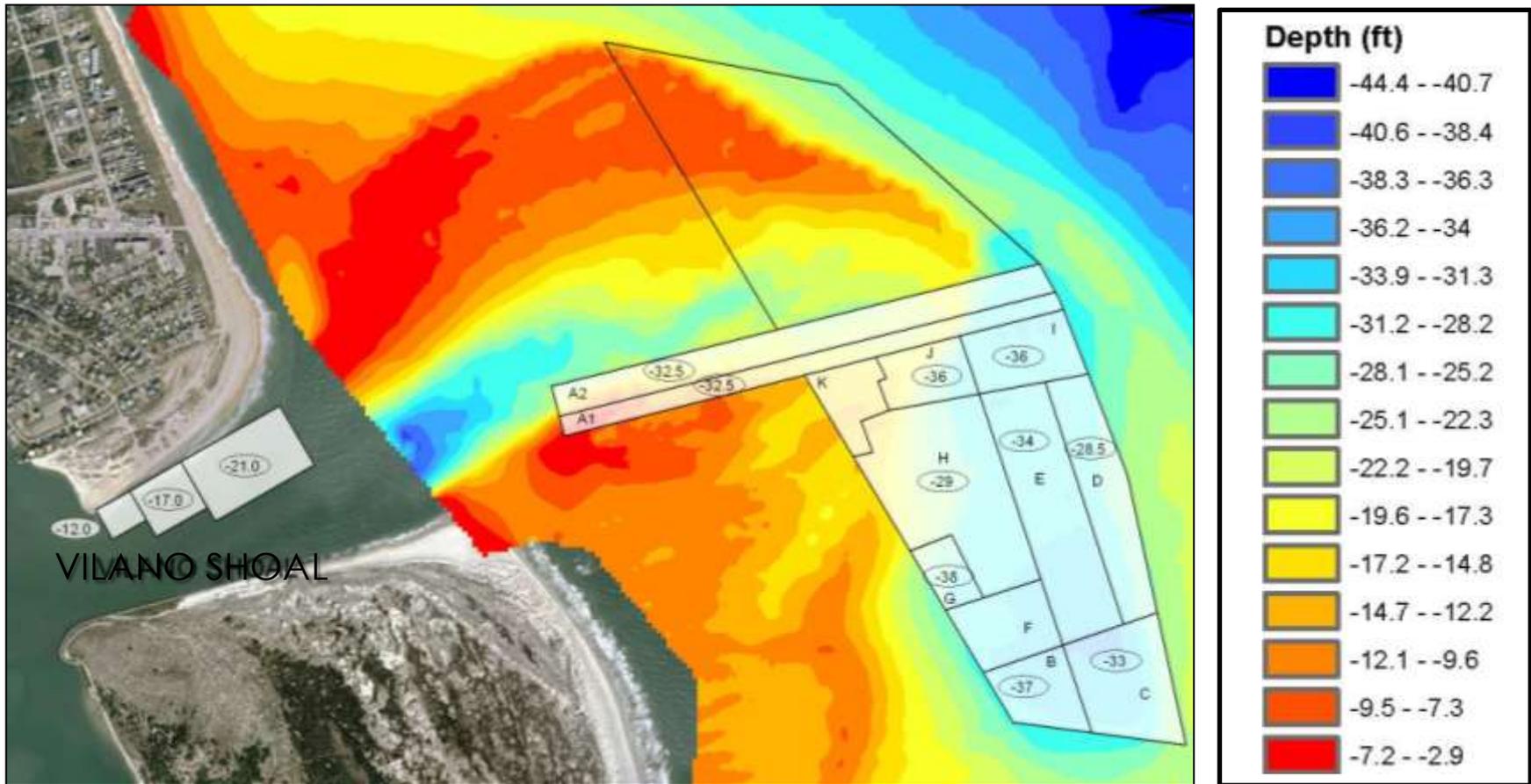
Cost of Navigation Dredging = \$22.1M
Value added to Florida's beaches = \$27.4M

Communicate Value: Cross Business Lines

- Beaches as placement sites
- Nearshore placement benefits to SPP
- Borrow areas as Nav placement sites
- DMMA as borrow areas
 - Extend renourishment intervals
 - Reduce lifecycle project costs
 - Improve B/C ratios
 - Contributed funds agreements
 - Conserve space in upland/ODMDS
- Channels as borrow areas
 - “advance maintenance”
 - Shallow draft goldmines
 - Conserve borrow areas
 - Reduce Nav contract costs
- 2 for the price of 1
 - Permitting, design, mob, construction, S&A/E&D
- Long term Programmatic Innovation on permitting requirements

RSM: CROSS BUSINESS LINE BENEFITS

FRM to NAV: Inlets as Borrow Sources

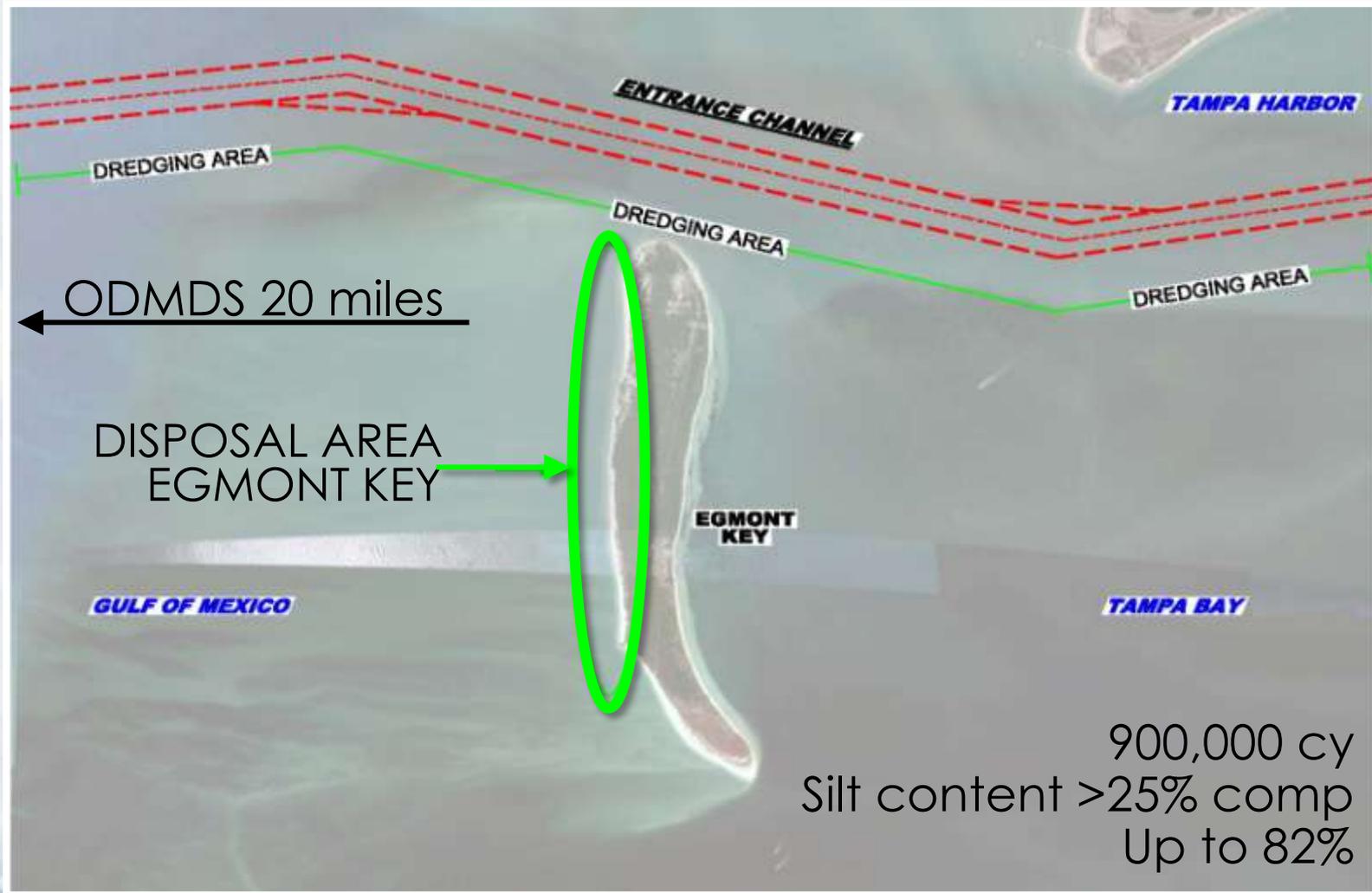


ST. AUGUSTINE INLET/ST. JOHNS COUNTY SPP



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DREDGING CONTRACT SAVINGS



O&M CONTRACT SAVINGS: Approx \$9M

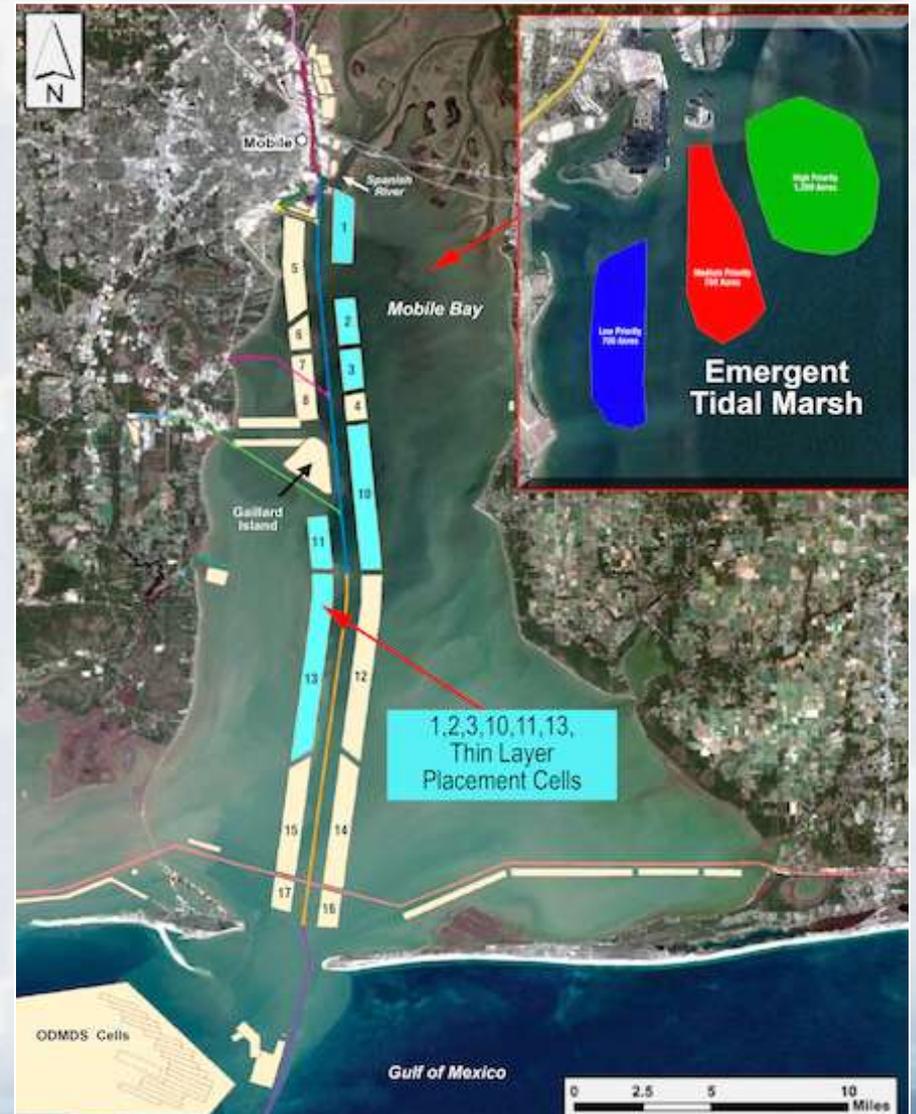


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DREDGING CONTRACT SAVINGS

MOBILE BAY:
Thin Layer Placement

Approximately
\$8M Annual O&M Savings



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RSM: EXPANDING OUR ENVIRONMENTAL "BOX"



PRICELESS



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RSM: USACE as valued partner

Whether or not we bring dollars to the table



- Legend
- Salt Marsh Restoration Area
 - Land Removal
 - IWW
 - Current Operating Channel
 - Flow Improvement Channel
 - Proposed Configuration for Training Wall

Jax Harbor, Milepoint



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”

- ▶ Long term vs. short term costs

ISSUES WITH CHANGE

- Navigation is a USACE Priority and budget is already constrained
- RSM stakeholders NEED USACE Navigation as a champion/advocate

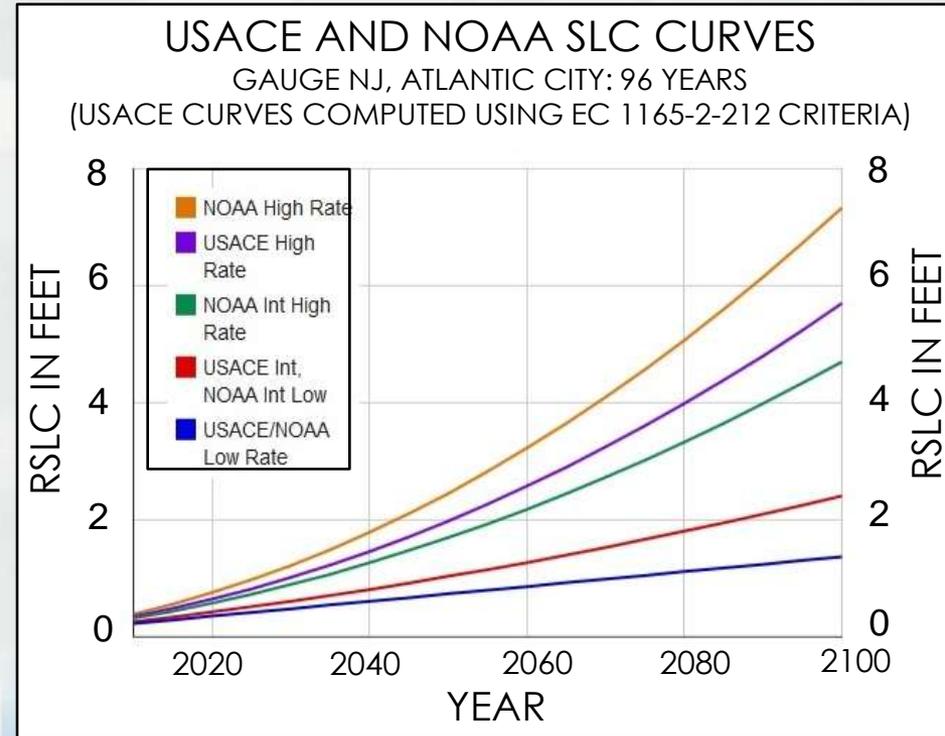
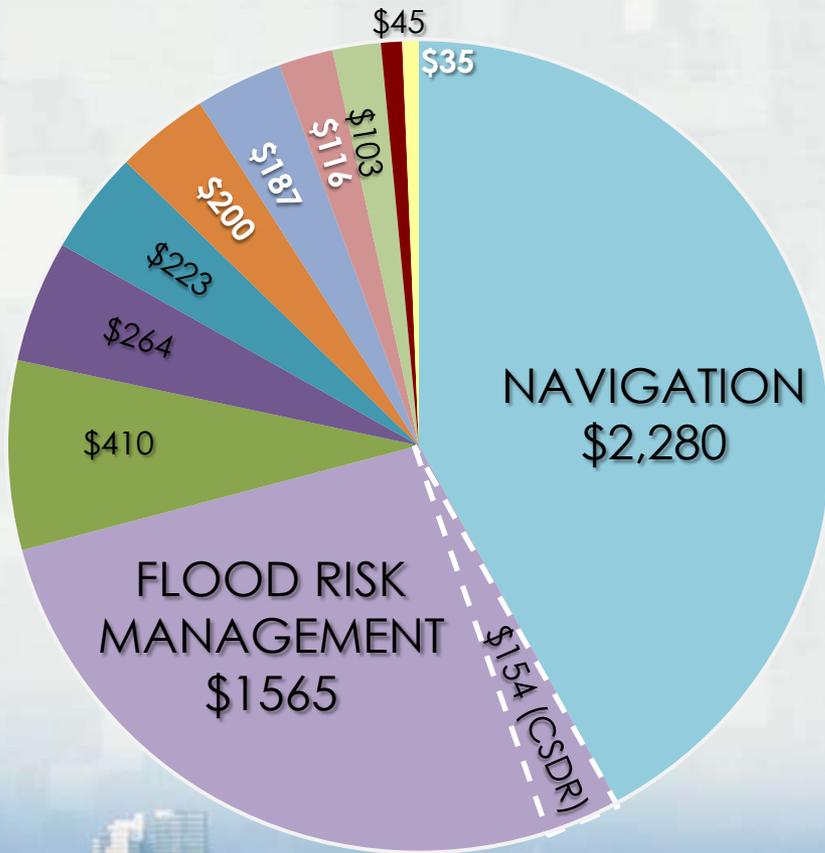
SOLUTIONS

- FED to FED: Provide budgetary consideration (priority) for those projects creating value through RSM and thereby enable leveraging of funds between business lines.
- FED to Non-Fed: Efficient methods to receive non-Federal funds to exceed NAV Federal standard



STATUS QUO MUST CHANGE

RSM as a Priority Rather than an Opportunity



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2 INITIATIVES UNDERWAY

USACE ASSET MANAGEMENT – COASTAL SYSTEMS

- Bang for the Buck
 - ▶ Project Prioritization/Budget Process
 - ▶ Recognize cross business line benefits

RSM CENTER

- Operational branch of USACE RSM program
 - ▶ Communicate Benefits of RSM*
 - ▶ Funding/Budget
 - ▶ Policy/Guidance
 - ▶ Technical Assistance
 - ▶ Taking RSM to the next level –Implementation!



NOW IS THE TIME...

- Must be driven by NAV Community
 - You have support!
 - Critical to long term success
 - Drive your funding stream
- It is HARD!
 - Will require proactive coordination
 - May require up front investment
 - May add schedule/budget risk
 - Will require much more effort



YOU ARE THE KEY!



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THANK YOU!

For additional information
and assistance with RSM Contact:

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