

# Partnering with the Corps

## For Coastal Resiliency and Sustainability

Coastal States Organization  
September 30, 2015

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Dredging Program Manager  
Director, RSM-RTCX  
Jacksonville District  
U.S. Army Corps of Engineers



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NAVIGATION



FLOOD RISK MANAGEMENT



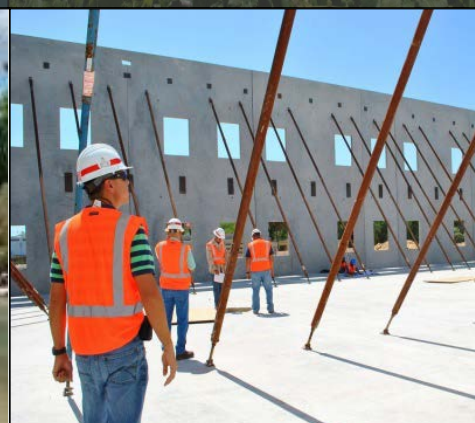
COASTAL STORM RISK MANAGEMENT



ECOSYSTEM RESTORATION



REGULATORY



MILITARY/INTERAGENCY/  
INTERNATIONAL SERVICES



EMERGENCY MANAGEMENT



OVERSEAS CONTINGENCY OPERATIONS

**JACKSONVILLE DISTRICT MISSION:** Deliver value to the Nation by anticipating needs and collaboratively engineering solutions that support national security, energize our economy, and increase resiliency.

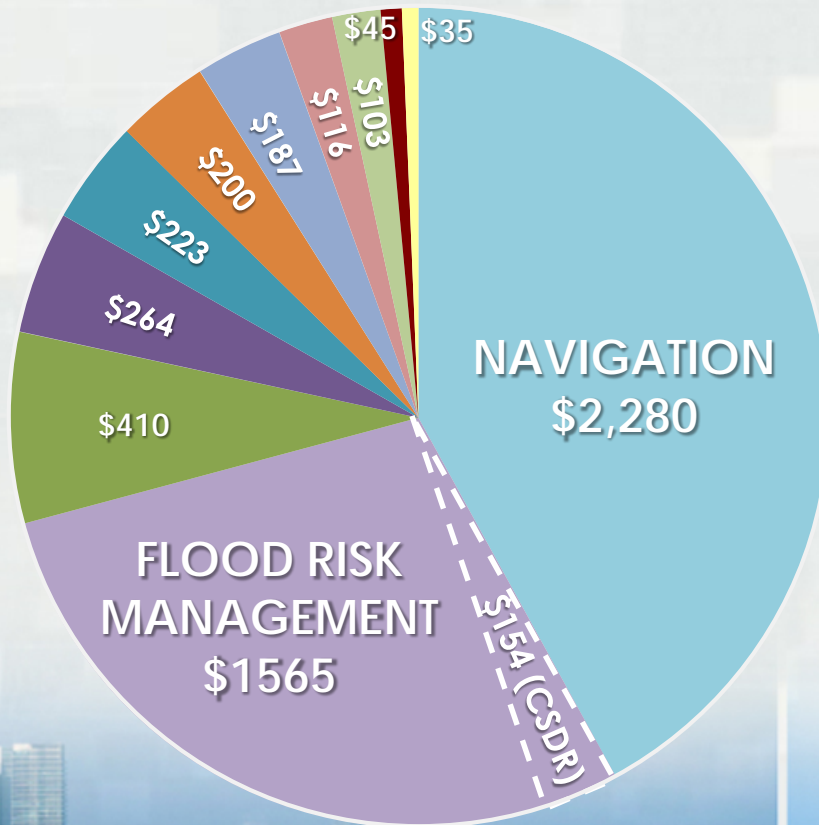


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# HARD TRUTH: THERE ARE (MANY) OTHER NATIONAL PRIORITIES

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

Source: FY14 Corps of Engineers Annual Civil Works Fiscal Report



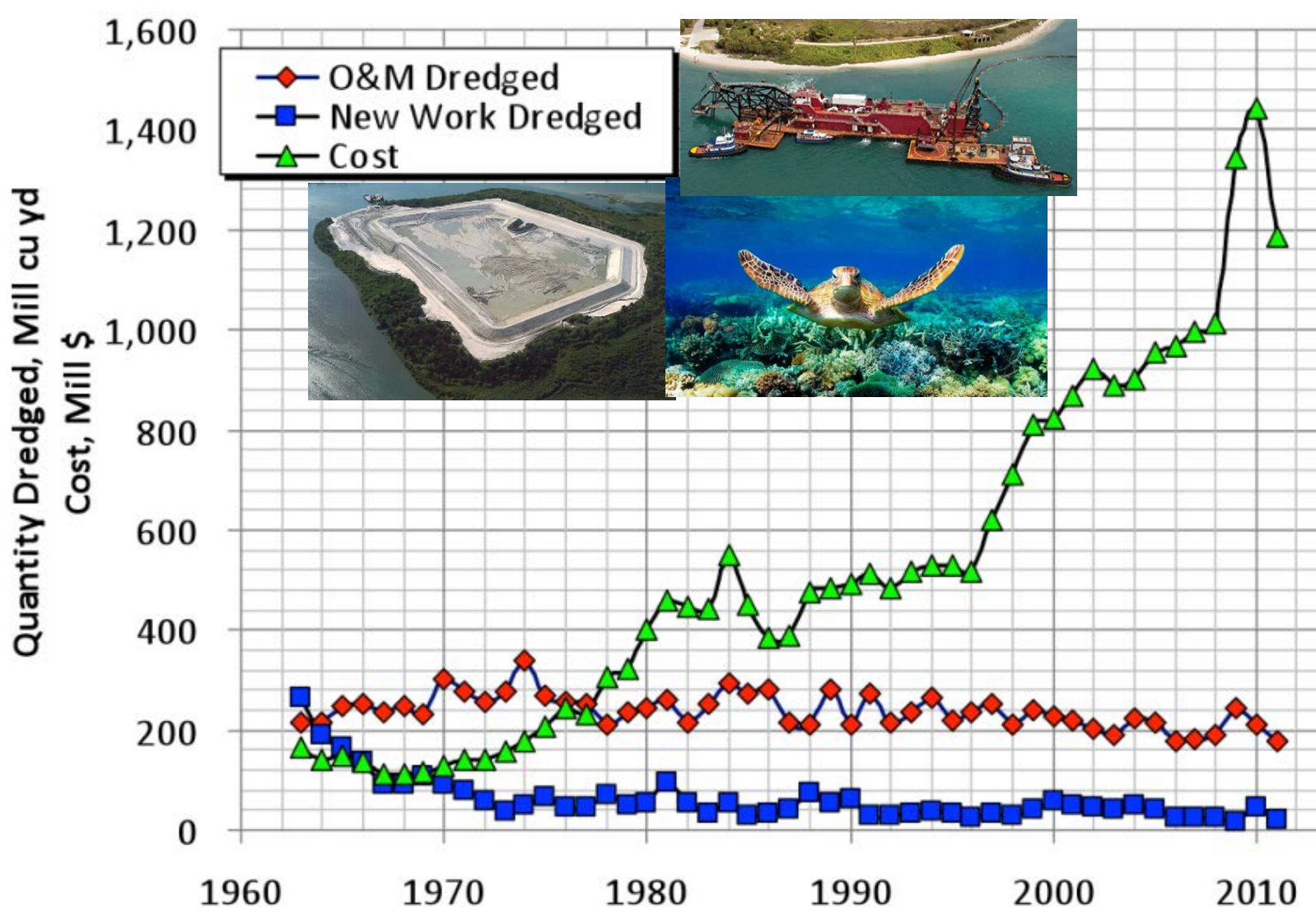
- NAVIGATION
- FLOOD RISK MANAGEMENT
- ENVIRONMENT (ECOSYSTEM RESTORATION)
- RECREATION
- HYDROPOWER
- REGULATORY
- EXECUTIVE DIRECTION & MANAGEMENT
- ENVIRONMENT - STEWARDSHIP
- ENVIRONMENT - FUSRAP
- WATER STORAGE FOR WATER SUPPLY
- EMERGENCY MANAGEMENT



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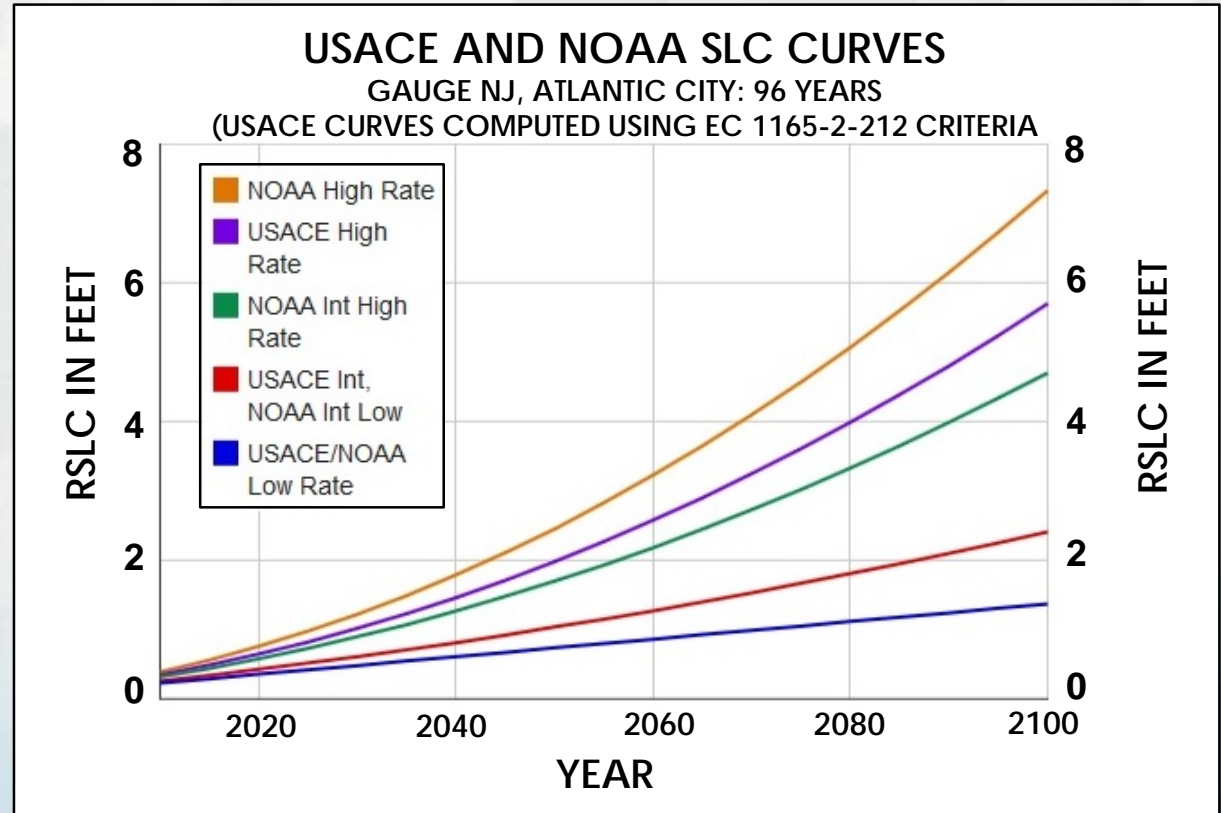
# Hard Truth: Increasing Costs

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



Budgets flat-lined, costs increasing dramatically

**HARD TRUTH:**  
**Bottom Line**  
**INDEFINITE**  
**RENOURISHMENTS**  
**PER STATUS QUO**  
**ARE NOT REALISTIC**  
**OR SUSTAINABLE**



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# SE Florida 50 yr Sediment Needs

County	50-Year Volume Need (cy)	Borrow Area Beach Quality Sand Volumes (cy)				Volume Balance (cy)
		Category 1 (Proven)	Category 2 (Potential)	Category 3 (Unverified)	County Total	
St. Lucie	18,017,487	17,218,750	41,600,000	188,582,413	58,818,750	40,801,263
Martin	22,111,000	24,781,000	0	282,733,583	24,781,000	2,670,000
Palm Beach	45,577,000	12,039,000	42,307,000	63,951,826	54,346,000	8,769,000
Broward	11,650,000	988,400	0	5,116,691	988,400	-10,661,600
Miami-Dade	14,968,300	0	0	0	0	-14,968,300

**In Southeast Florida  
the Future is Now!**



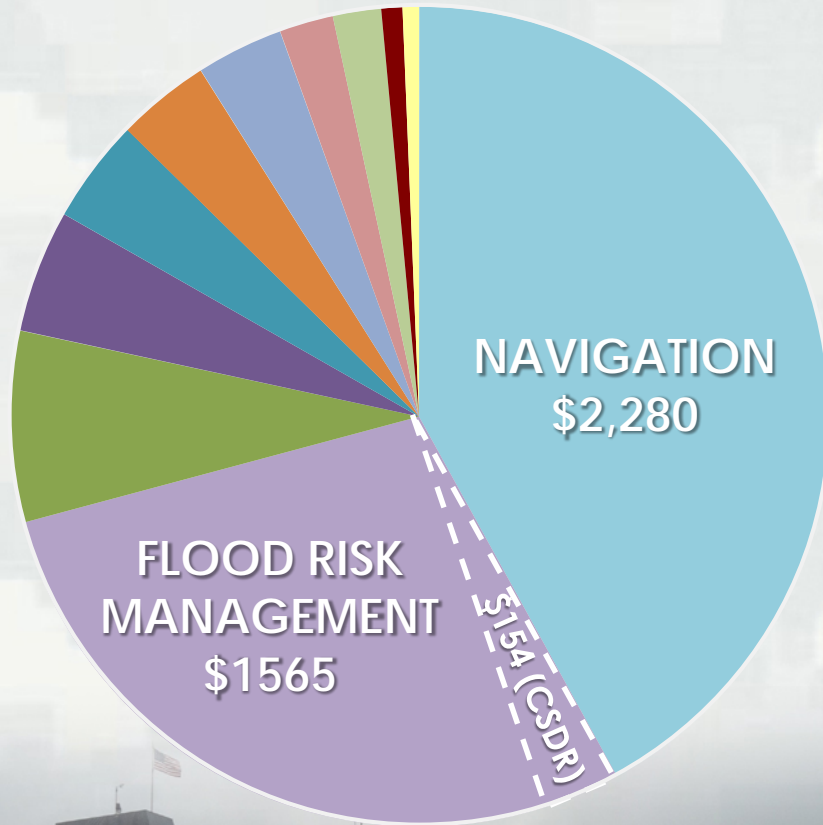
# Economics & Return on Investment



Before After  
**Dade County Beach Erosion Control Project (Miami Beach, FL)**



# THERE'S MORE THAN ONE WAY TO GET SAND ON THE BEACH...



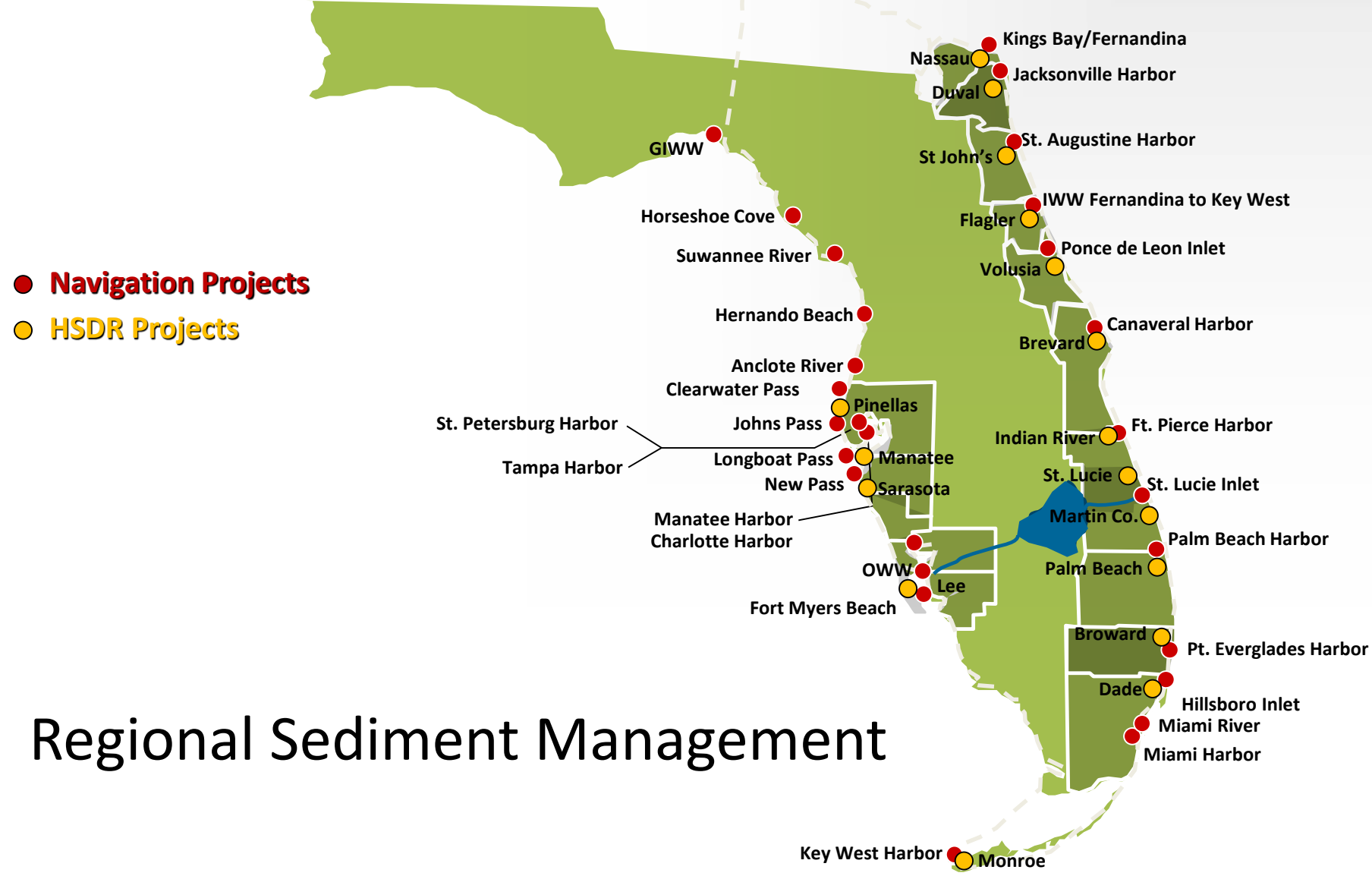
**USACE NAVIGATION/  
REGIONAL SEDIMENT  
MANAGEMENT (RSM)  
200 MCY \$1.5-\$2.0 BILLION**



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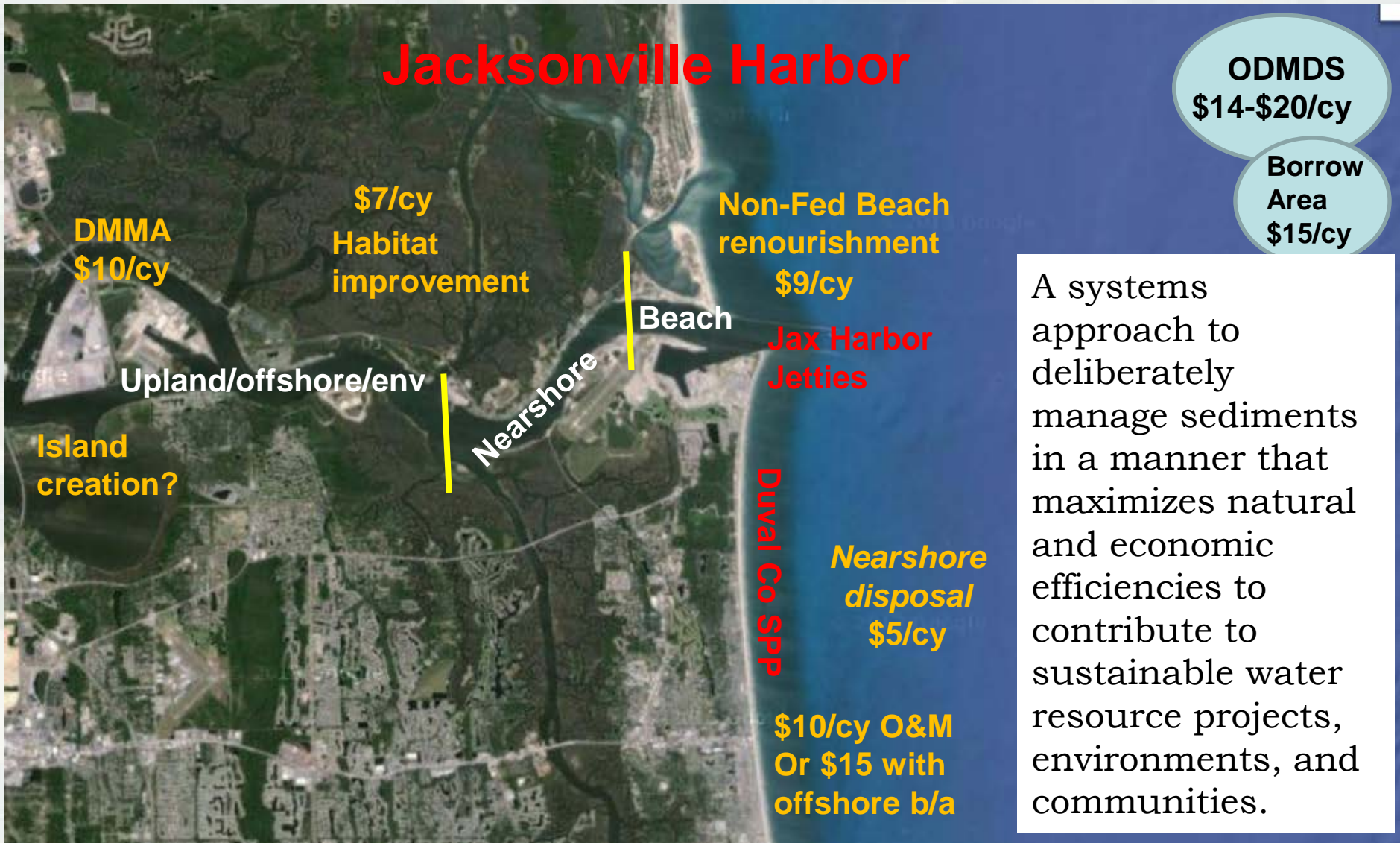
# Integrated Dredging Program



# Regional Sediment Management

# RSM

## Jacksonville Harbor



**Integration, Sustainability, Value to Nation**



REGIONAL  
SEDIMENT  
MANAGEMENT  
IS...

NOT NEW

BUT OUR  
APPROACH IS



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# 2013 SAJ RSM VALUE TO THE NATION

FY13 NAVIGATION RSM	TOTAL COST (NAV)	PLACEMENT	BEACH VOLUME**	ROUGH VALUE TO FRM***
Port Everglades* (partial)	\$ 1,898,489	Broward SPP	96,126	\$5,959,812
Palm Beach Harbor	\$ 4,870,074	Palm Beach Co NF	420,000	\$6,300,000
Ft Pierce Inlet	\$ 3,299,090	Fort Pierce SPP	191,000	\$2,330,200
St Lucie Inlet	\$ 6,465,600	Martin Co. SPP	200,000	\$3,000,000
St Augustine Inlet	\$ 1,932,600	St Johns SPP	116,000	\$696,000
Ponce Inlet (SAW)	\$ 1,000,000	Volusia Co. (NS)	141,000	\$2,115,000
AIWW-Jupiter Inlet	\$ 2,601,207	Palm Beach Co	55,000	\$825,000
AIWW-Haulover Inlet		Dade Co. SPP	120,000	\$6,180,000
	\$ 22,067,060			\$27,406,012
King's Bay EC (NAVY)	\$ 8,030,480	Nassau Co SPP	121,046	\$ 1,361,768

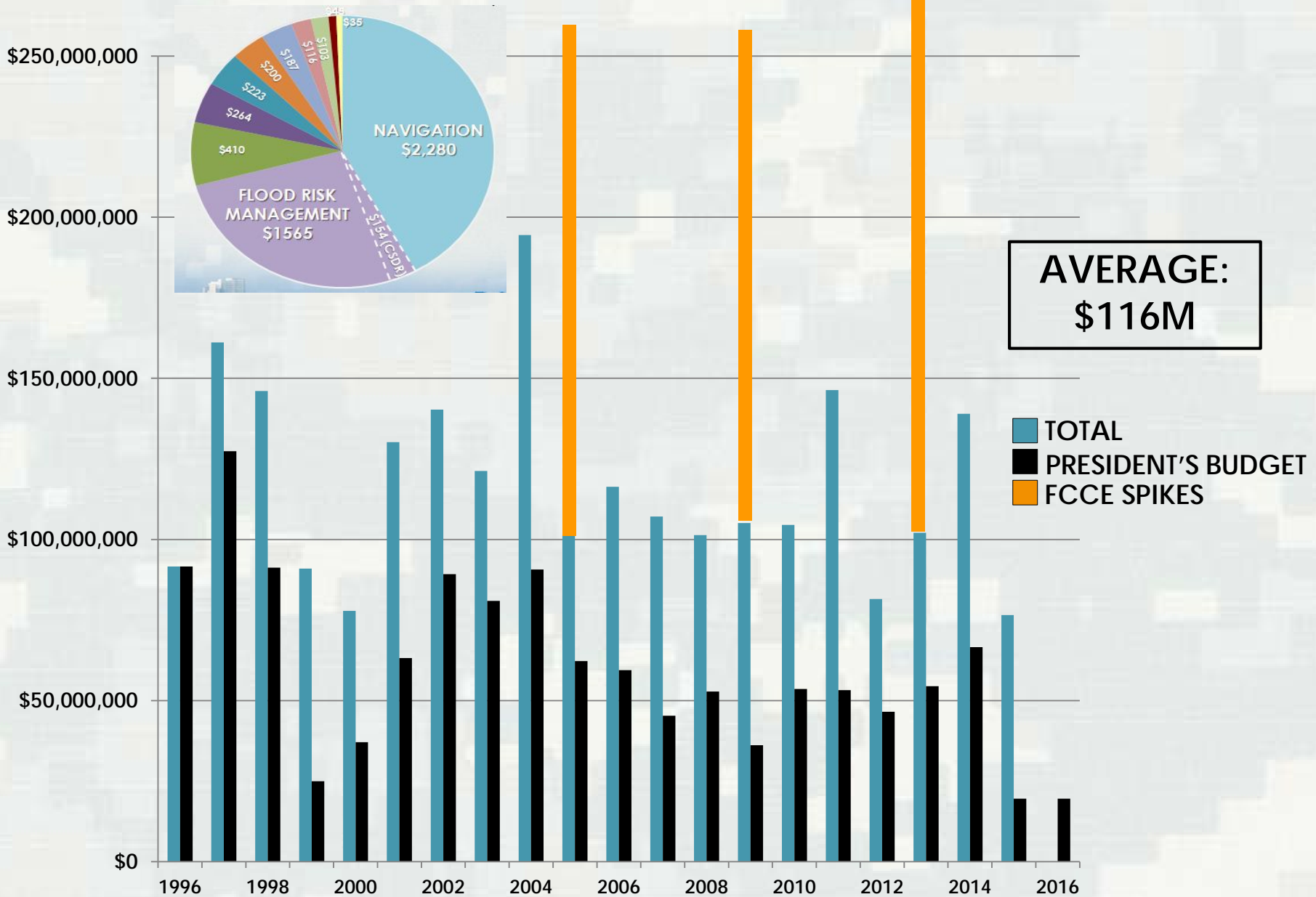
**INCREASED VALUE TO NATION**

\* Includes \$1.2M NF (MOA)

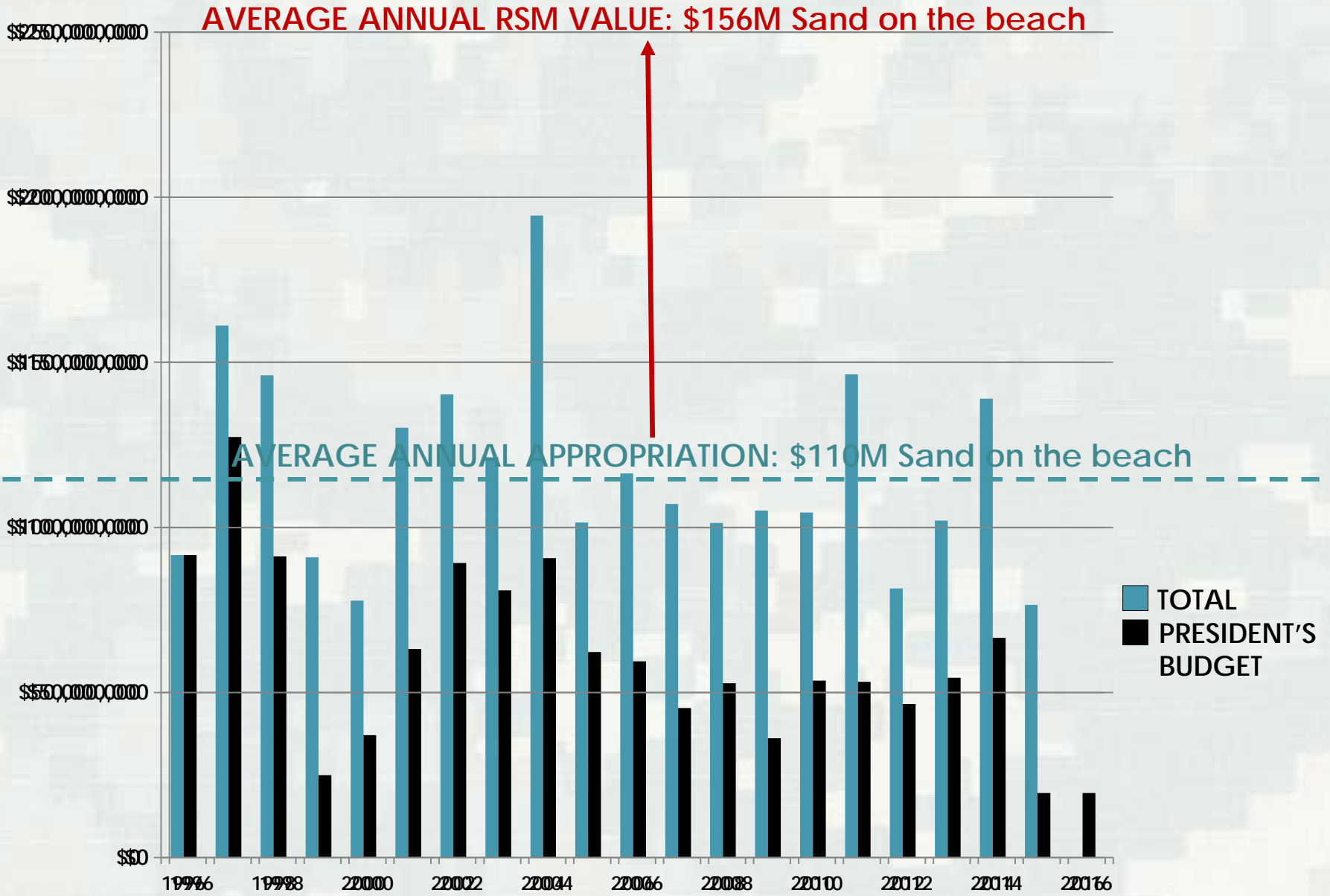
\*\* Includes 15% placement losses

\*\*\* Contract costs only, additional FRM value for E&D/S&A not included

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

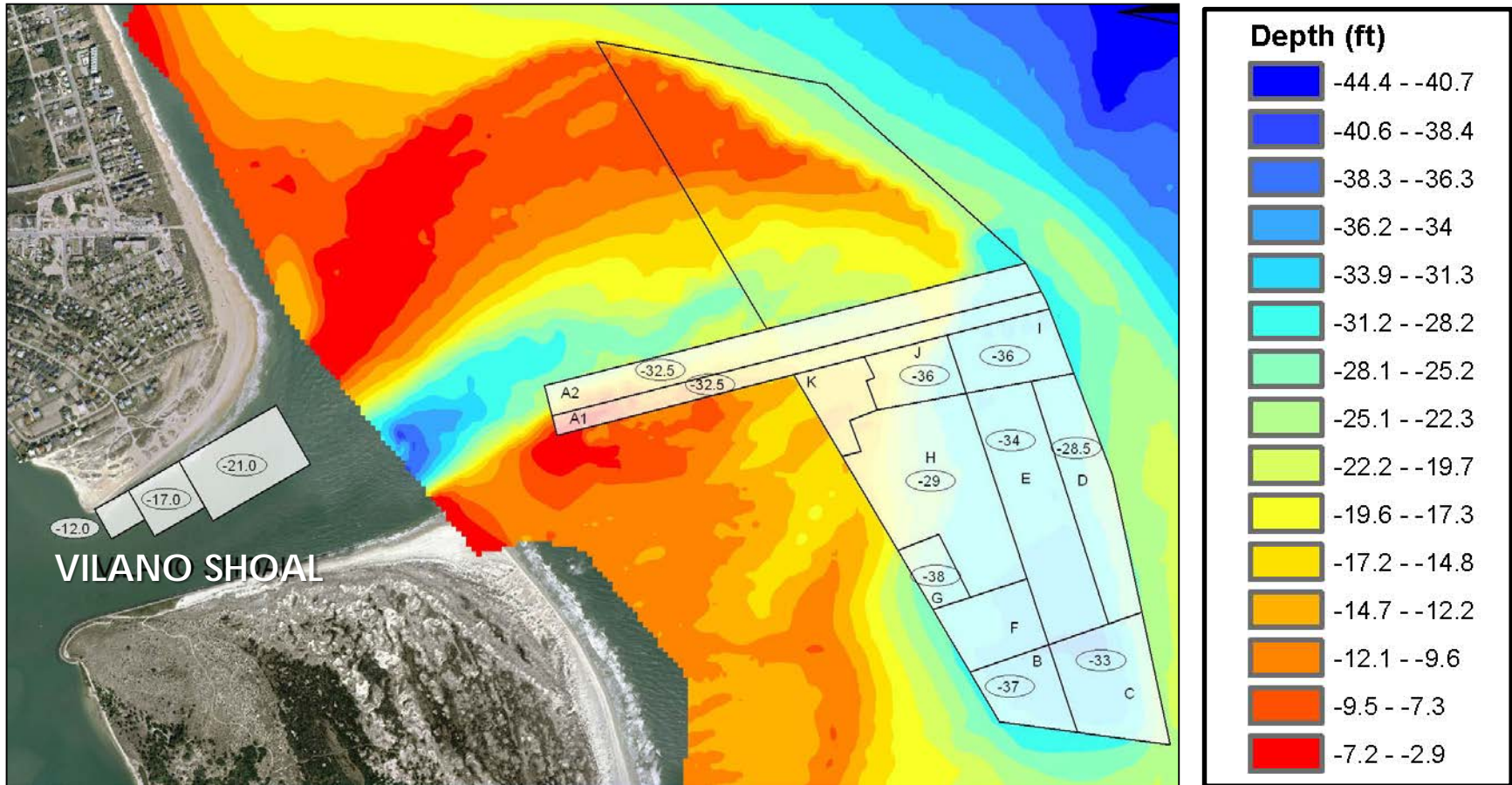


# 20 YEARS OF FEDERAL APPROPRIATIONS FOR BEACHES (C, I, O&M)



# RSM: CROSS BUSINESS LINE BENEFITS

## FRM to NAV: Inlets as Borrow Sources

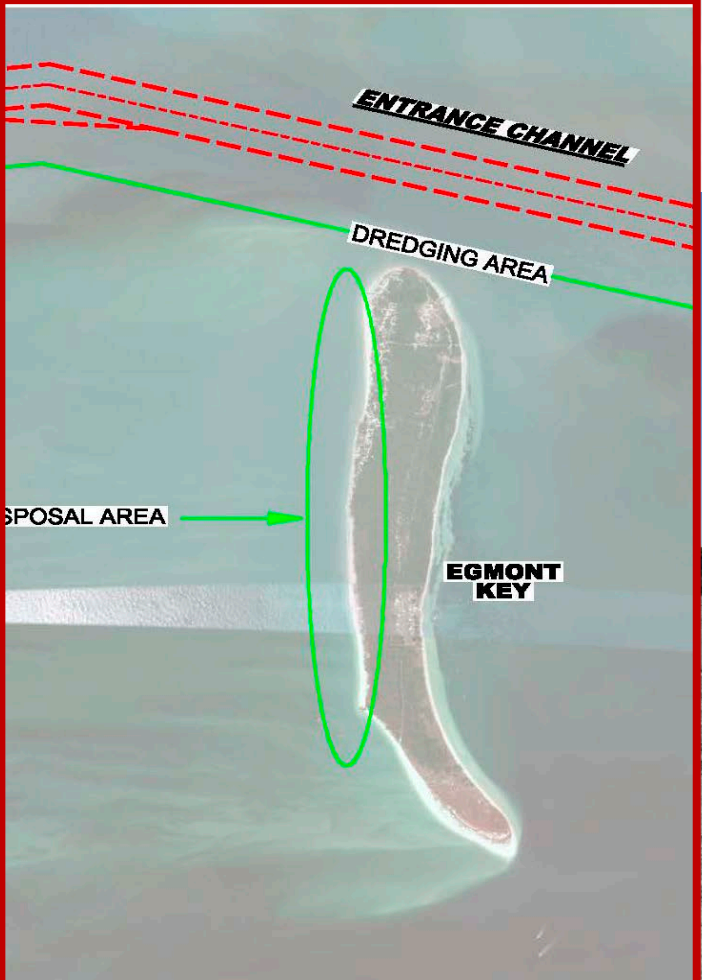


ST. AUGUSTINE INLET/ST. JOHNS COUNTY SPP



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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



### 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”

## ISSUES WITH CHANGE

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

**Success:** collaborative spirit  
can-do attitude  
proactive group of stakeholders

We do not need special legislation to accomplish  
what needs to be done



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# Continuing Authorities Program (CAP)

- Process by which the Corps can respond to a variety of water resource problems without obtaining specific congressional authorization
- Eight general authorities whereby the Corps is authorized to plan, design and implement certain types of water resources projects
- Each authority has its own program authority and strict limits on the federal contribution



**Aguadilla Harbor**

Section 107 project in  
Puerto Rico



**Peanut Island**

Section 1135 restoration  
project in Palm Beach





# Current CAP Funding Limits

Per Section 1030, WRRDA14

<u>Section</u>	<u>Description</u>	<u>Project</u> (\$ million)	<u>Program</u> (\$ million)
14	Streambank/Shore Protection	5	20
103	Hurr/Storm Damage Reduction	5	30
107	Navigation	10	50
111	Mitigation of Shore Damage	10	N/A
204	Beneficial Uses - Dred. Mat.	10	50
205	Flood Damage Reduction	10	55
206	Aquatic Ecosystem Restoration	10	50
208	Snagging/Clearing - Flood	0.5	7.5
1135	Environmental Restoration	10	40

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# 2 National Initiatives Underway

## USACE ASSET MANAGEMENT – COASTAL SYSTEMS

- Bang for the Buck
  - ▶ Project Prioritization/Budget Process
  - ▶ Recognize cross business line benefits
  - ▶ Refining prioritization of beach for beach projects

## RSM CENTER OF EXPERTISE

- Operational branch of USACE RSM program (ERDC)
  - ▶ Communicate Benefits of RSM\*
  - ▶ Funding/Budget
  - ▶ Policy/Guidance
  - ▶ Technical Assistance

## What does this mean for you?

- The Great! and the Great?



# We need your help!

## STAKEHOLDER INVOLVEMENT

- Regional Stakeholder Workshops
  - Healthy systems- Problems and opportunities
- Corps as a collaborator/integrator/listener and a resource to accomplish stakeholder goals
- Tell the story! Think critically about value and communicate that value.



# THANK YOU!

For additional information  
and assistance with RSM Contact:

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Linda Lillycrop, USACE RSM Program Manager, ERDC

[Linda.S.Lillycrop@usace.army.mil](mailto:Linda.S.Lillycrop@usace.army.mil)



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# Other Partnering Opportunities

1. Hurricane and Storm Damage Reduction (HSDR) -50 yr projects
  - 3 years \$3 million, requiring Congressional Authorization
  
1. Continuing Authorities Program (CAP) – small cost shared projects
  - 103 Coastal Storm Damage Reduction -\$5M cap/same requirements
    - Piñones and Fort San Geronimo
  - 107 Navigation- \$7M Cap
  - 14 Emergency Streambank and Shore Protection -\$1M Cap
  - 204 Beneficial Use of Dredged material
  
3. Regional Sediment Management (RSM)
  - FY14 proposal submitted for San Juan Harbor region
  
4. Hurricane Evacuation Studies (HES) – In cooperation with FEMA
  
5. Planning Assistance to States (PAS)
  - Several coastal studies completed (Loiza, Boca Vieja Bay, Isla Mona, etc.)
  - Non-Federal projects, \$2,000,000/state/yr. 50/50 cost share. Planning, no construction

