

JACKSONVILLE DISTRICT COMMANDER'S UPDATE

Florida Shores and Beach Preservation Association
Annual Conference

COL James L Booth
Commander and District Engineer
USACE | Jacksonville District

September 2021



US Army Corps
of Engineers®

"The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."



Mr. Jaime A. Pinkham
Acting Assistant
Secretary of the Army
for Civil Works



**Lieutenant General
Scott Spellmon**
Chief of Engineers
and Commanding General
USACE



ORGANIZATION

Your Project Managers are the “Door to the Corps”



**Brigadier General
Jason Kelly**
Commander,
South Atlantic Division
USACE

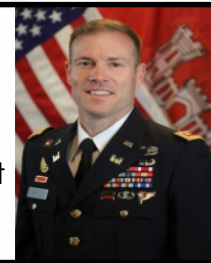
JACKSONVILLE DISTRICT LEADERSHIP



**Colonel
James L. Booth**
Commander
and District Engineer
Jacksonville District
USACE



**Tim
Murphy**
Deputy District
Engineer
Programs & Project
Management



**Major
Matthew Miller**
Deputy District
Engineer



**Lieutenant
Colonel
Todd Polk**
Deputy District
Engineer
South Florida

**Lauren
Boročaner**
Engineering
Division



**Eric
Summa**
Planning
Division



**Jim
Jeffords**
Construction
Division



**Carol
Bernstein**
Operations
Division



**Ronnell
Booker**
Contracting
Division



**Beth
Vavrica**
Office of
Counsel



**B.J.
Fagan**
Resource
Management



**Tim
McQuillen**
Real Estate
Division



**Shawn
Zinszer**
Regulatory
Division



**Caryll
Wilson**
Human
Resources





USACE MISSION AREAS



USACE Supports the Army and the Nation

Military Missions

- Military Construction
- COCOM Support, Overseas Contingency Operations (OCO)
- Installation Support, **Environmental**, Energy and Sustainability



International and Interagency Support



Federal / State / Local
 "Whole of USACE"
 Capabilities
 Capacity Development

Real Estate

Acquire, Manage and Dispose / DoD Recruiting Facilities / Contingency Operations

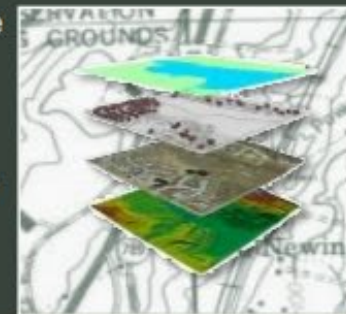
Civil Works



Navigation, Flood Control, Disaster Response, Shore Protection, Hydropower, Water Supply, Regulatory, Recreation, Environmental Restoration

Geospatial Support

- Common Operating Picture / Environment
- Civil Works Programs
- Military Programs
- Emergency & Contingency Operations



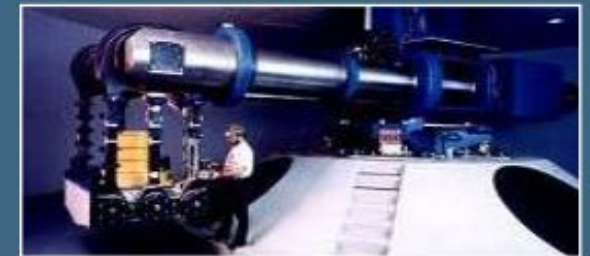
Contingency Operations



"Whole of Government"
 Disaster Response & Recovery
 Life-Cycle Flood Risk Management
 Critical Infrastructure

Research & Development

Warfighter Environment Installations & Energy
 Water Resources



USACE Has a Diverse Mission Set Driven by Diverse Stakeholders



JACKSONVILLE DISTRICT AREAS OF RESPONSIBILITY



AREAS OF RESPONSIBILITY

CIVIL WORKS

- Portions of Florida and Georgia (defined by watersheds)
- Puerto Rico and the Antilles

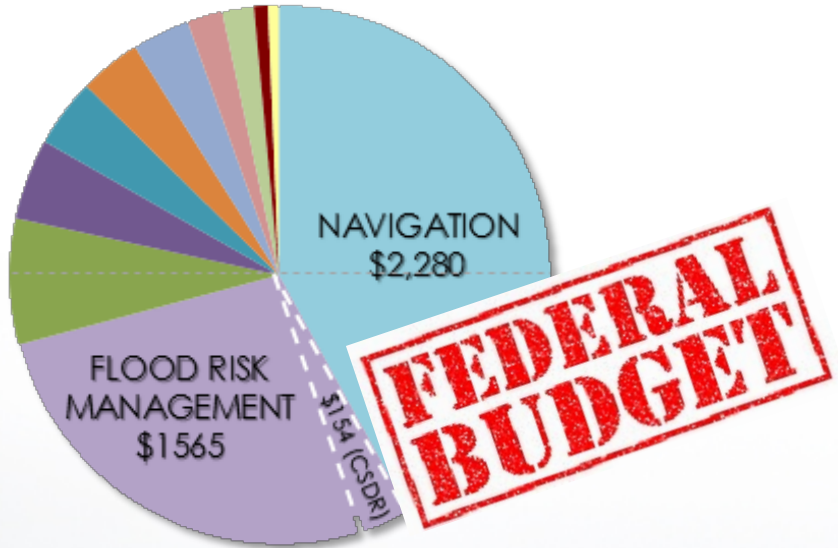
REGULATORY

- Florida
- Puerto Rico and the Antilles

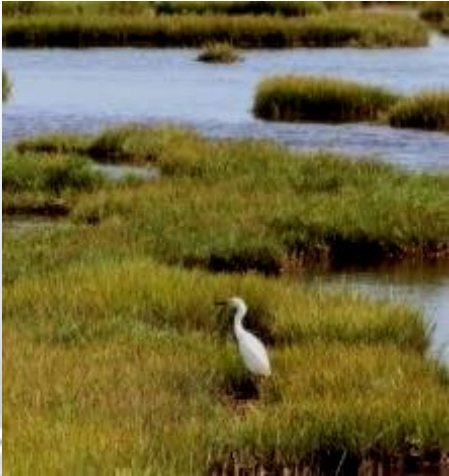
REAL ESTATE AND MOBILIZATION

- Portions of Florida and Georgia
- Puerto Rico and the Antilles





NATIONAL CONCERNS



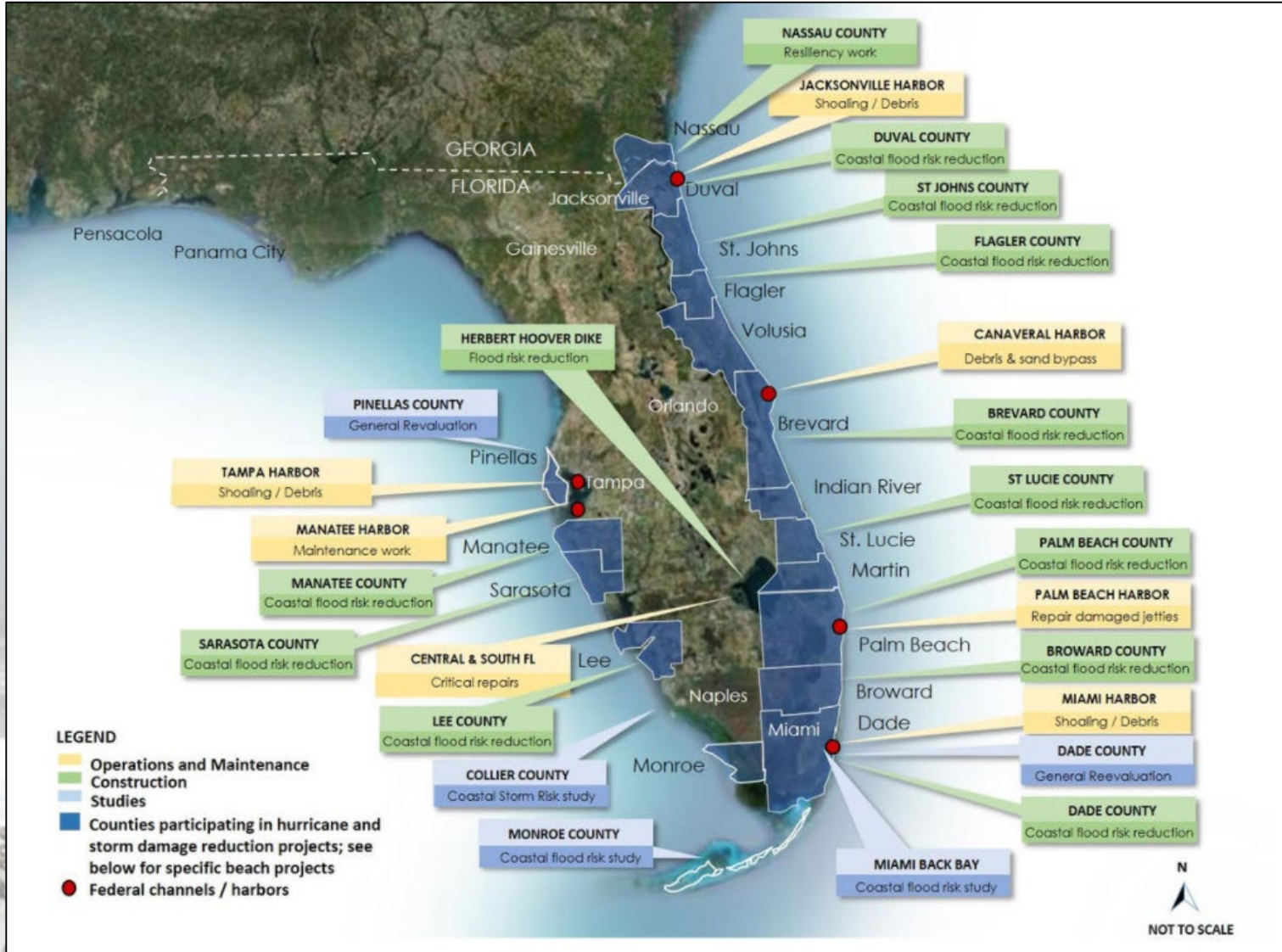


It took all of us to make this Success happen!



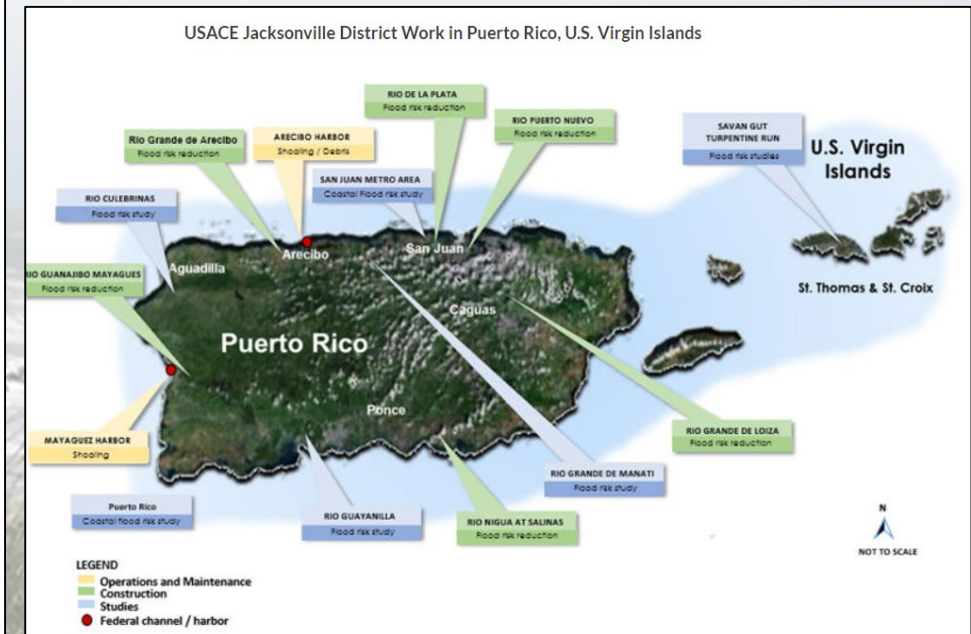


NAVIGATION AND COASTAL STORM RISK MANAGEMENT SUPPLEMENTAL RESPONSE



Bipartisan Budget Act of 2018 (P.L. 115-123)

Supplemental Appropriations of 2019 (P.L. 116-20)



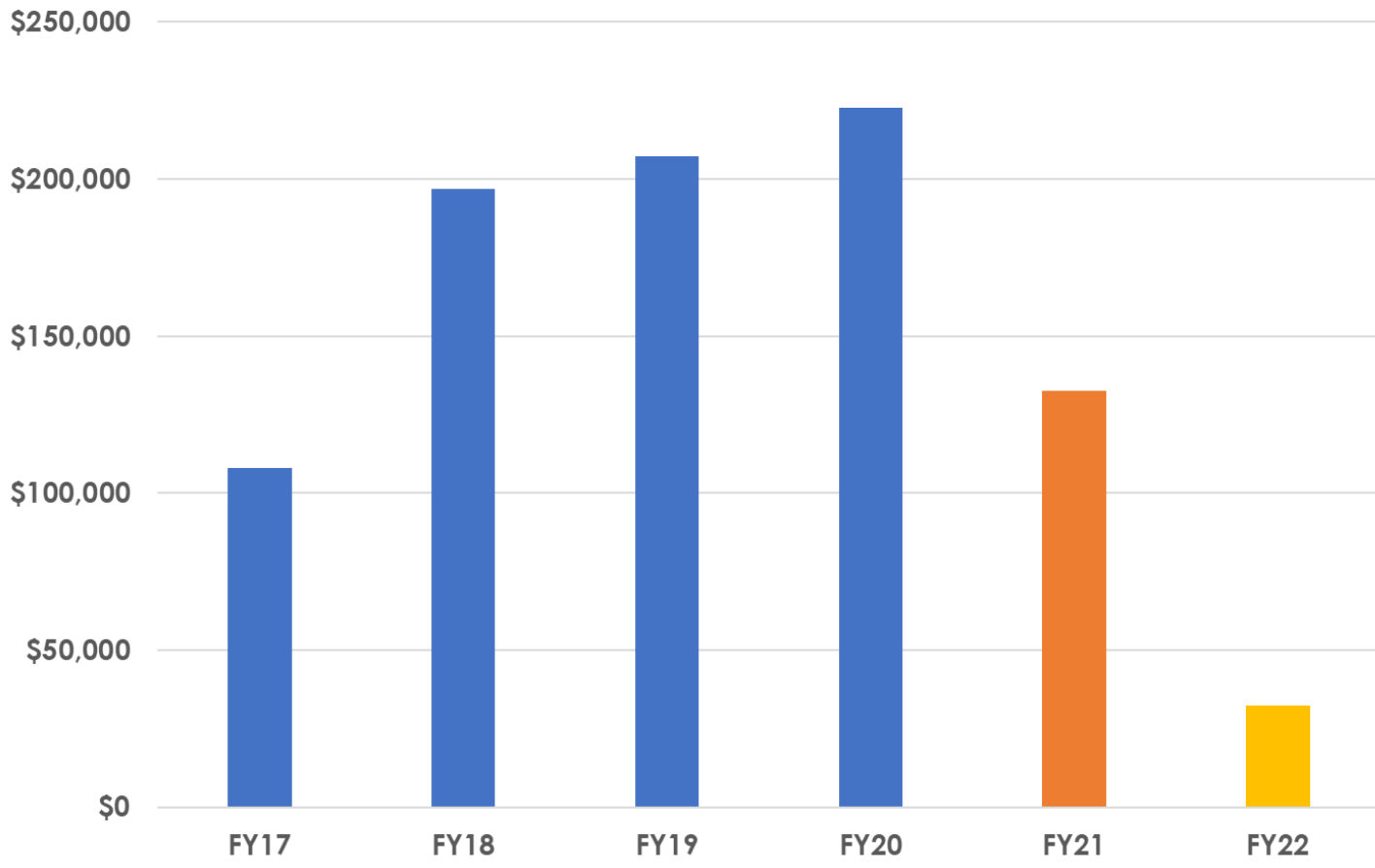


EXECUTION BY THE NUMBERS



Obligations **Appropriations** **President's Budget**

Florida Water Resource Project Funding by Fiscal Year (\$x000)



Hurricane Irma

Florida recovery efforts as of Oct. 19

U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT

BLUE ROOF INSTALLS

9,350+ INSTALLS COMPLETED

17,500+ RIGHT OF ENTRY AGREEMENTS COLLECTED TO DATE IN 31 COUNTIES

NAVIGATION SUP

900 MILES OF FEDERAL CHANNELS and 17 DEEP DRAFT HARBORS and 37 HARBORS REOPENED FOR BUSINESS

HURRICANE IRMA & MARIA RESPONSE

Updated as of 18 MAY 18

Category	Value
Response Cost	\$3.6 billion
Personnel	276
Response Time	25
Personnel Cost	\$267 million
Personnel	15

POWER ASSESSMENTS COMPLETED

137 POWER ASSESSMENTS COMPLETED

USACE STAFF DEPLOYED

300+ USACE STAFF DEPLOYED IN SUPPORT OF THE FLORIDA RECOVERY

MILES OF ROOF DEBRIS

246.5 MILES OF ROOF DEBRIS

COVID-19 CORONAVIRUS

U.S. ARMY CORPS OF ENGINEERS (AS OF: 12-JUN (0700))

RESPONSE DAY 91

ENGAGEMENT 50/5 States/Territories

ENGINEERED SOLUTION PLANS
Approved site adaptations must be accomplished in as little as 5 days and at most 2 weeks to align with case projected virus infection peaks.

HURRICANE MICHAEL

USACE RESPONSE

<h4>ADMINISTRATIVE</h4> <p>MISSION ASSIGNMENT 64</p> <p>CUMULATIVE FUNDING \$1.88</p> <p>ENGAGED PERSONNEL 1155</p> <p>ASSESSMENTS 1155</p> <p>ALTERNATE CAP TOTAL BEB CO</p>	<h4>DEBRIS MANAGEMENT</h4> <p>DAY 28</p> <p>38% COMPLETE FOR DEBRIS HAULED</p> <p>11 COUNTIES BEING CLEARED</p> <p>DAY 24</p> <p>1.7M CUBIC YARDS ESTIMATED</p> <p>359K CUBIC YARDS CLEARED</p> <p>13 COUNTIES WITH FULL OPERATIONS FOR DEBRIS REMOVAL</p>	<h4>TEMPORARY EMERGENCY POWER</h4> <p>Scheduled to end 10NOV18</p> <p>100% COMPLETE</p> <p>71 GENERATOR INSTALLS 71 REQUESTED</p> <p>The Temporary Emergency Power Mission in Georgia was completed on 19OCT18</p> <p>100% COMPLETE</p> <p>6 GENERATOR INSTALLS 6 REQUESTED</p>	<h4>CRITICAL PUBLIC FACILITIES</h4> <p>DAY 25</p> <p>100% COMPLETE</p> <p>633 COMPLETE 633 REQUESTED</p> <p>LANDFALL: OCTOBER 10, 2018</p> <p>RESPONSE DAY 28</p> <p>As of: 08 NOV 18</p>	<h4>TEMPORARY ROOFING</h4> <p>DAY 25</p> <p>77% COMPLETE</p> <p>3,686 COMPLETE ROOF INSTALLS 4,723 LOCUS REQUIRED</p>
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• Strongest storm (maximum sustained wind speed) to hit the mainland US in 25 years

• Peak winds of 155 mph, and storm surge of 9 ft.

• 13th named storm, 7th hurricane, and 2nd major hurricane of the 2018 season

• First major hurricane (CAT 3) to impact Georgia since 1898

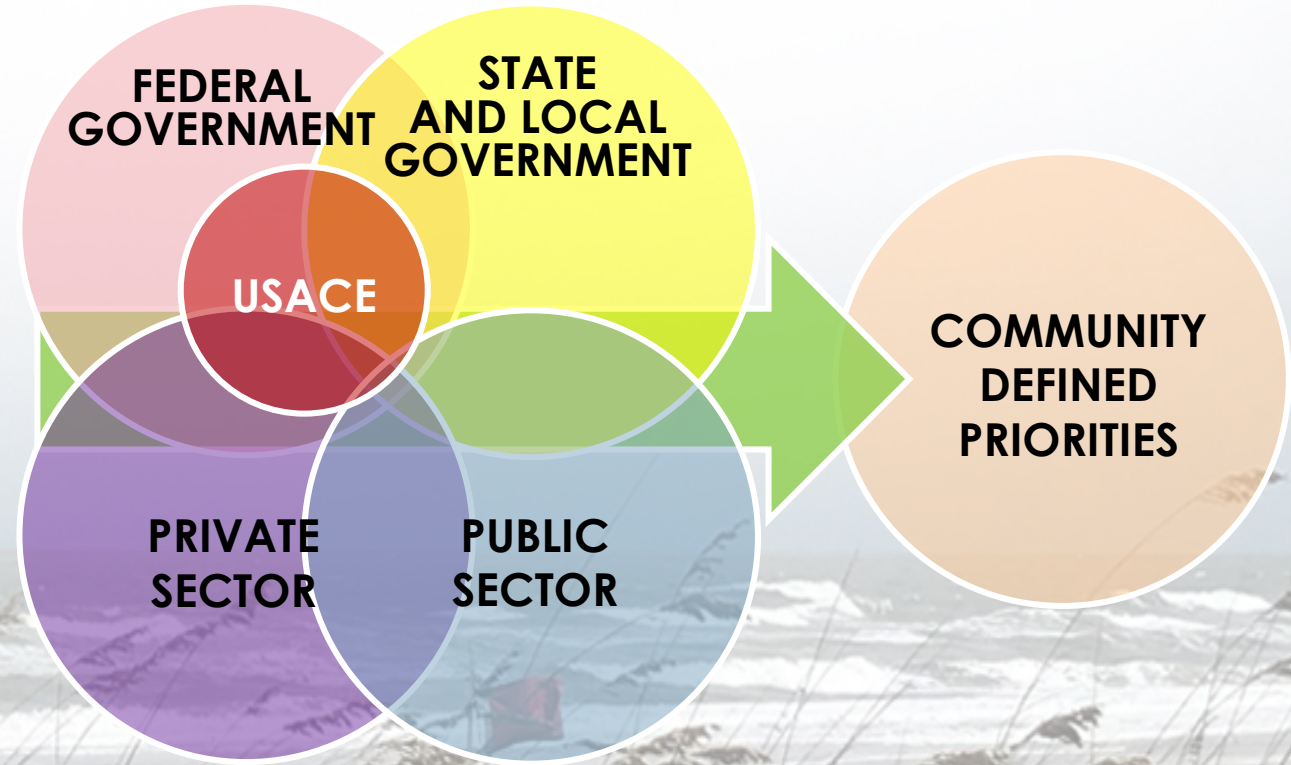
USACE Operations Center



COMMUNITY RESILIENCY



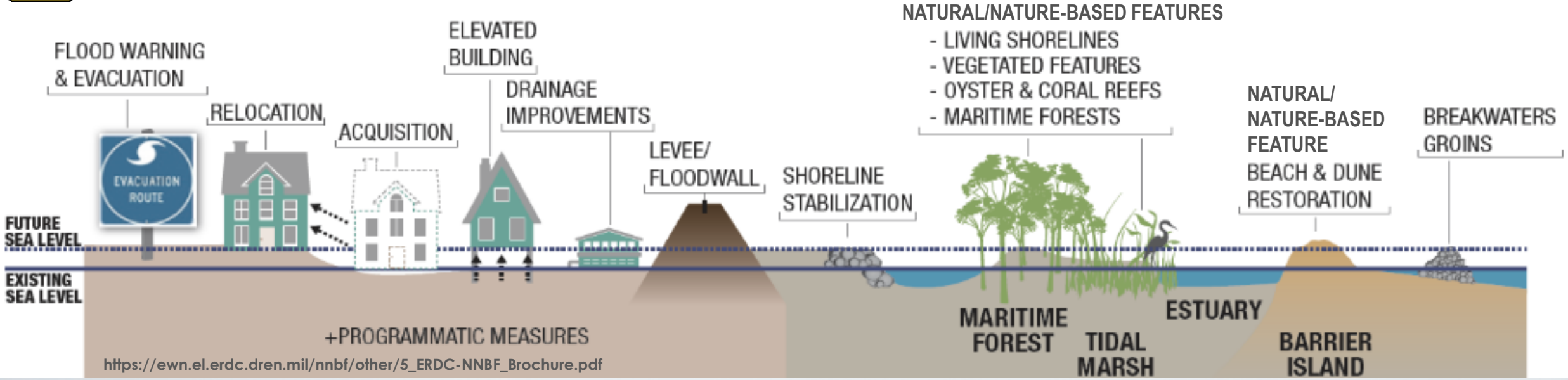
USACE RESILIENCE PRINCIPLES



https://www.usace.army.mil/corpsclimate/Climate_Preparedness_and_Resilience/Coastal-Risk-and-Reduction-and-Resilience/



USACE MISSION INTEGRATION



COASTAL STORM SURGE AND BACK BAY FLOODING



BENEFICIAL USE OF DREDGE MATERIAL (BUDM)

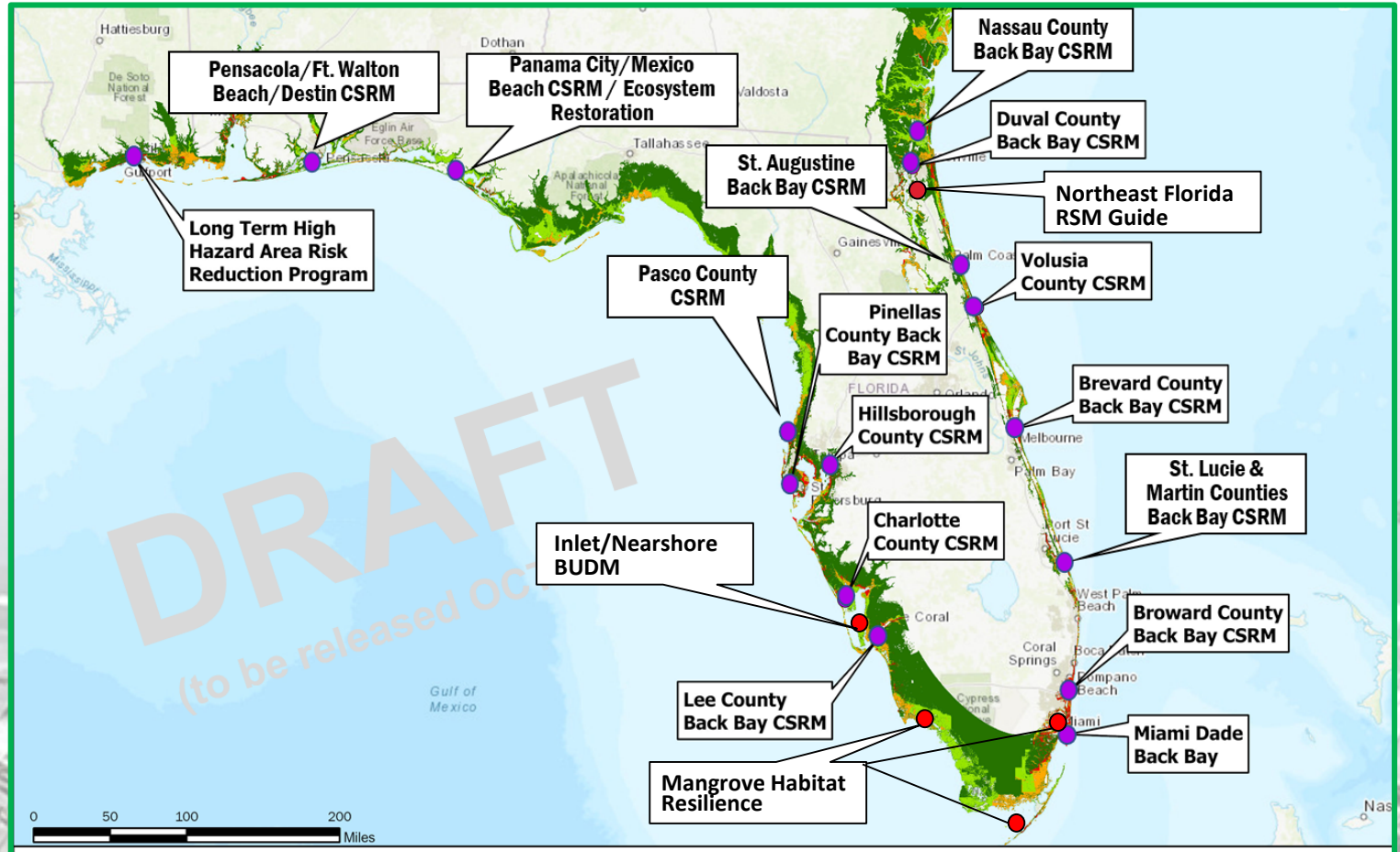


SOUTH ATLANTIC COASTAL STUDY (SACS)

<https://www.sad.usace.army.mil/SACS/>



- Regional Sediment Management (RSM) Recommendations
- Feasibility Study Recommendations



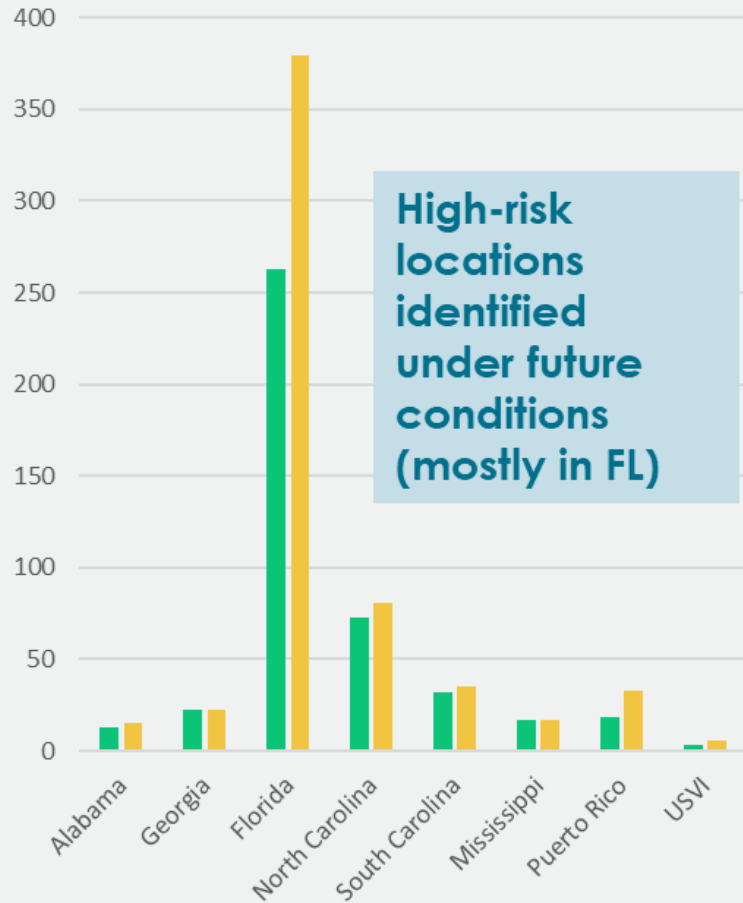
Author: K7RGLTRL
 Data Sources: USACE
 Service Layer Credits: World Topographic Map, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS
 SACS/Composite_Risk_Plus_SLR: USACE
 Map Date: 8/24/2021
 SACS Recommendations
 Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere

Follow-On USACE Feasibility Studies

South Atlantic Coastal Study



Tier 1 High-Risk Locations



High-risk locations identified under future conditions (mostly in FL)

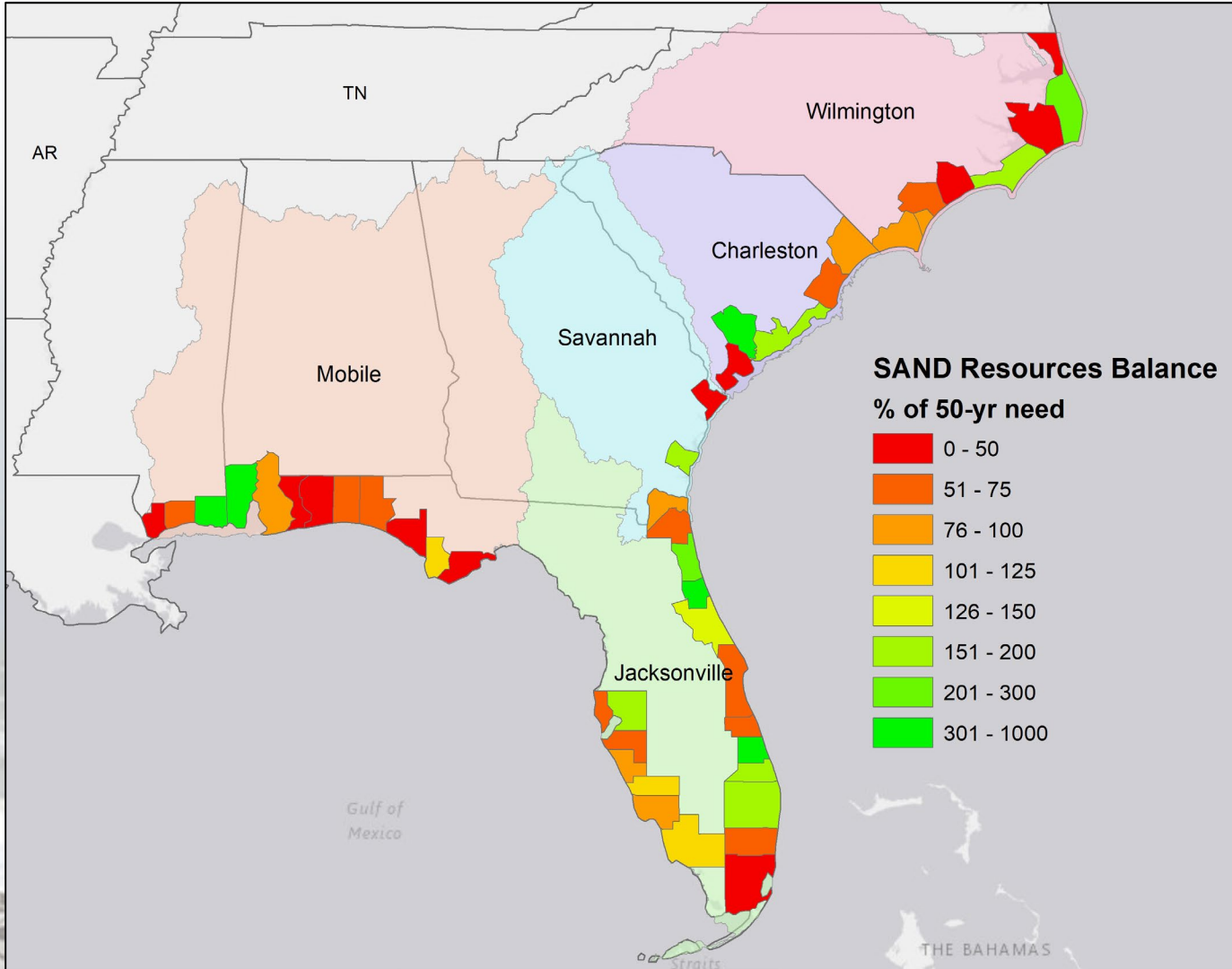
■ Existing Conditions

■ Future Conditions (w/ Sea Level Rise)



SOUTH ATLANTIC COASTAL STUDY (SACS)

<https://www.sad.usace.army.mil/SACS/>



SAND NEEDS

- 525 million cubic yards of sand needed in Florida over the next 50 years

SAND SOURCES

- Identifying additional regional resources
- Quantifying off-loadable DMMAs
- Identifying beneficial use of navigation sediment





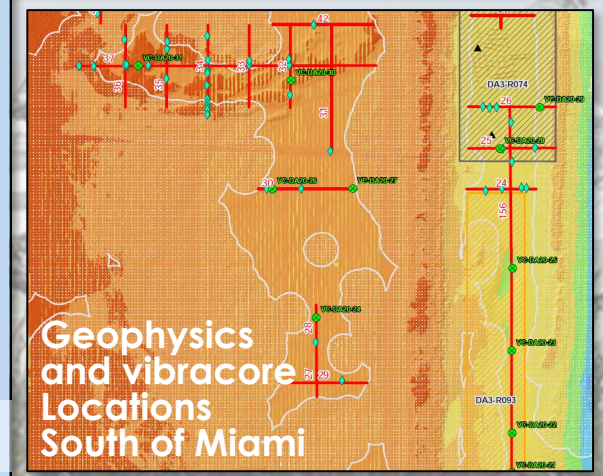
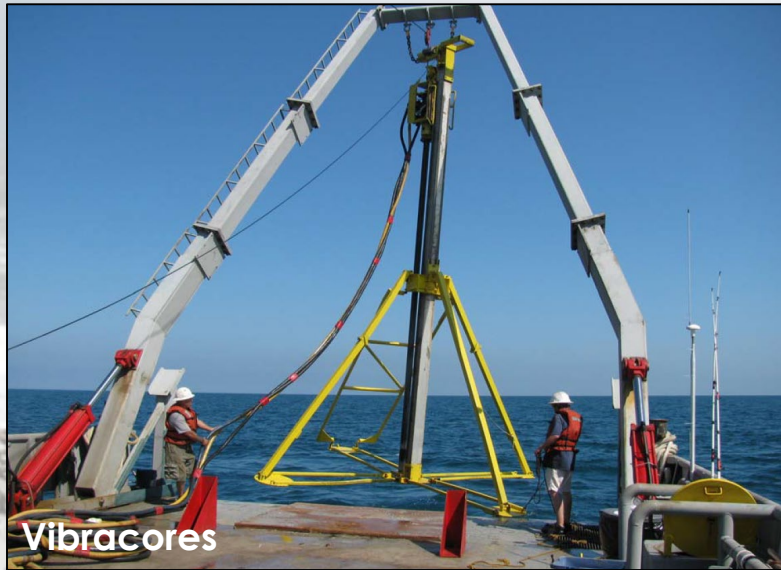
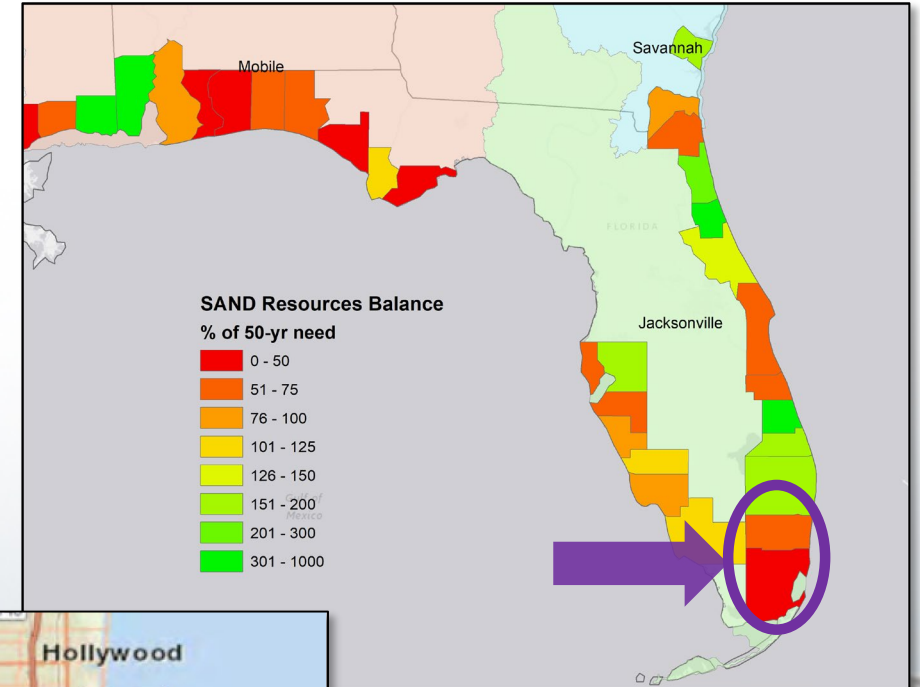
ADDRESSING SAND NEEDS



DEVELOP STRATEGIES TO SYSTEMATICALLY ASSESS RESOURCES IN AREAS OF PRIORITIZED NEEDS

USACE Jacksonville District Sand Search

- Broward, Miami-Dade counties
- Geophysical Surveys, Vibracores
- All data collected; waiting on final deliverables





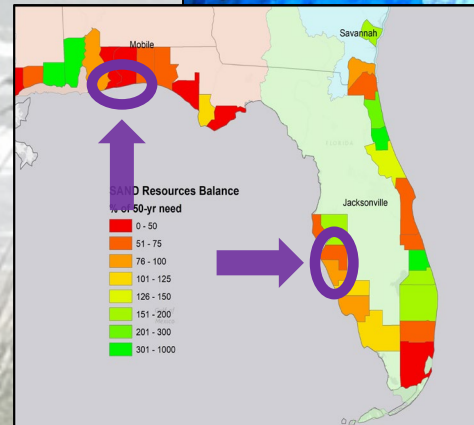
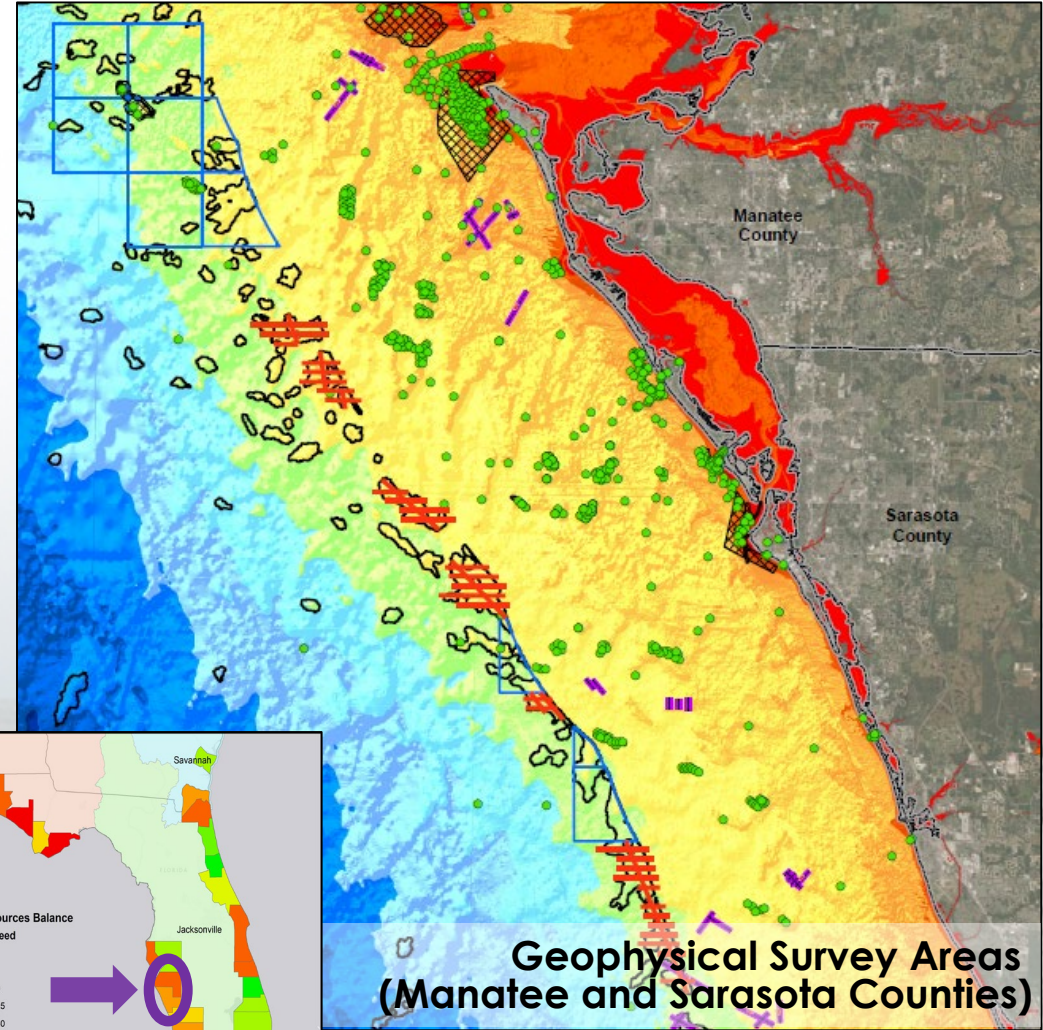
ADDRESSING SAND NEEDS



DEVELOP STRATEGIES TO SYSTEMATICALLY ASSESS RESOURCES IN AREAS OF PRIORITIZED NEEDS

BOEM-USACE Interagency Agreements

- Addressing needs: Southwest Florida (2020), Panhandle Florida (2021)
- First example of a partnership developed from SACS to implement a recommendation
- Leveraging USACE work in area; saving taxpayer money by combining mobilizations and efficiencies from economies of scale





GREAT PEOPLE WORKING TOGETHER MAKING IT HAPPEN!



- **Continue to push innovation with budgeting and mission execution. Leveraging Infrastructure specific funding opportunities.**
- **Apply new metrics to our Federal standard calculations (pursuant to WRDA 2020 Section 125).**
- **Deliver R&D products focused on fate of fines during dredging, and sediment transport dynamics to keep improving project implementation and RSM solutions.**
- **Ensure USACE keeps driving towards integration of community defined resiliency priorities in all mission areas with a balanced approach.**

