

Shallow Draft Dredging Activities in the Jacksonville District

Tim Murphy

Matt Schrader

Jacksonville District

South Atlantic Division

18 January 2012



US Army Corps of Engineers
BUILDING STRONG®



NAVIGATION

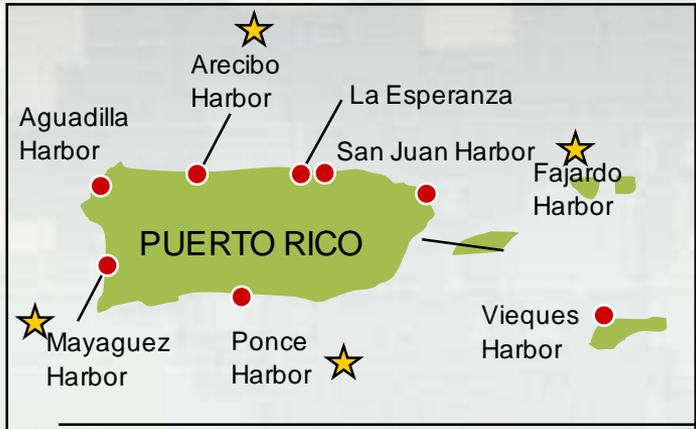
Jacksonville Program



Authorized Projects

★ 17 Deep Draft Harbors

--- Jacksonville Civil Works Boundary



BUILDING STRONG®

Shallow Draft Dredging Projects

Potential Projects using Currituck or Murden

- ▶ Clearwater Pass
- ▶ Longboat Pass
- ▶ St. Augustine Inlet
- ▶ Ponce Inlet
- ▶ IWW
- ▶ Palm Beach Harbor



NAVIGATION

Jacksonville Program

Authorized Projects

★ 17 Deep Draft Harbors

--- Jacksonville Civil Works Boundary



BUILDING STRONG®

Shallow Draft Dredging Projects

- Clearwater Pass
- 5 Years
- No windows, if no beach placement
- 50,000 CY
- Sand
- Nearshore
- Sponsor would like sand on “Dry” Beach



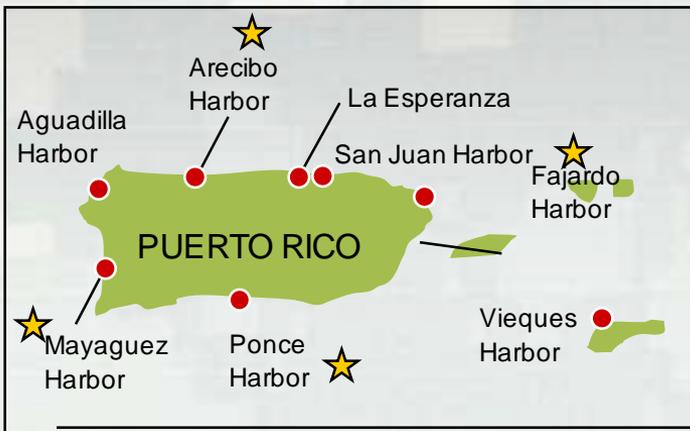
NAVIGATION

Jacksonville Program

Authorized Projects

★ 17 Deep Draft Harbors

--- Jacksonville Civil Works Boundary



BUILDING STRONG®

Shallow Draft Dredging Projects

- Longboat Pass (GIWW)
- 5 Years
- No windows, if no beach placement
- 100,000 CY
- Sand
- Nearshore
- Sponsor would like sand on “Dry” Beach



Longboat Pass RSM

RSM Goals

- Nearshore placement using Murden
- Further ERDC nearshore placement research
- Use results to ease future nearshore placement permit process

Accomplishments

- Murden will dredge in early FY12 with nearshore placement off Egmont Key
- ERDC and university research will continue in FY12

Funding

- Leveraged RSM and O&M funding



NAVIGATION

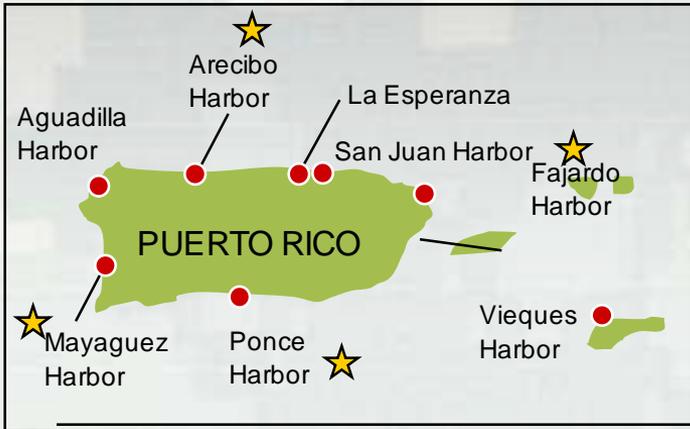
Jacksonville Program



Authorized Projects

★ 17 Deep Draft Harbors

--- Jacksonville Civil Works Boundary



BUILDING STRONG®

Shallow Draft Dredging Projects

- St. Augustine Inlet (IWW)
- 2 Years
- Bird Window for Dredging Emergent Shoal
- 250,000 CY
- Sand
- Nearshore
- Sponsor would like sand on “Dry” Beach



St. Johns County RSM

RSM Goals

- GENCADE
- RSM public outreach
- Combine shallow draft navigation and shore protection work and funding

Accomplishments

- RSM plan to be incorporated into studies
- Currituck will dredge with nearshore placement (FY11 & 12)

Setbacks

- Political
- Programmatic

Lessons Learned

- Get ALL stakeholders together EARLY

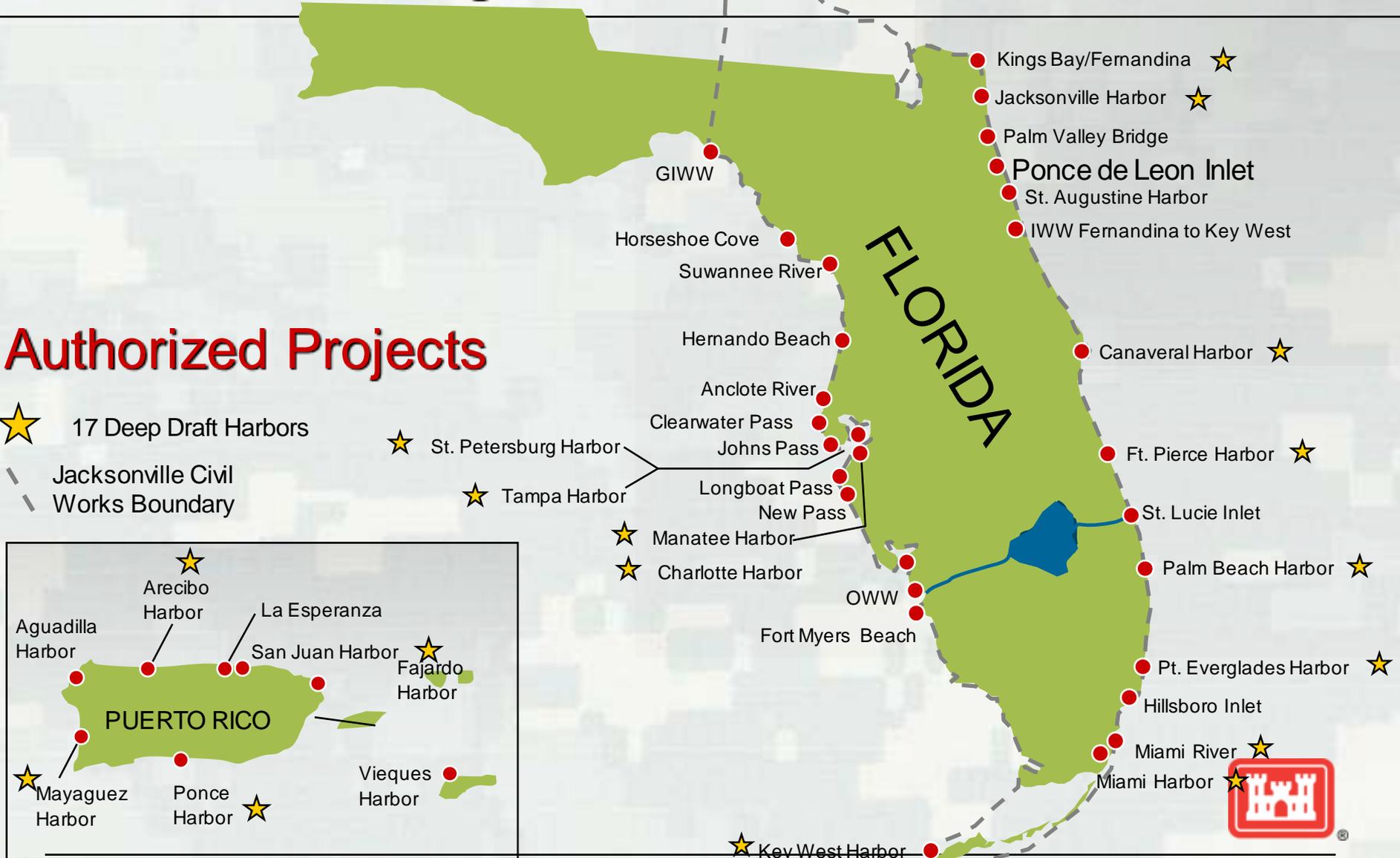
Funding

- Leveraged RSM funds with GI, CG, O&M



NAVIGATION

Jacksonville Program



Authorized Projects

★ 17 Deep Draft Harbors

--- Jacksonville Civil Works Boundary



BUILDING STRONG®

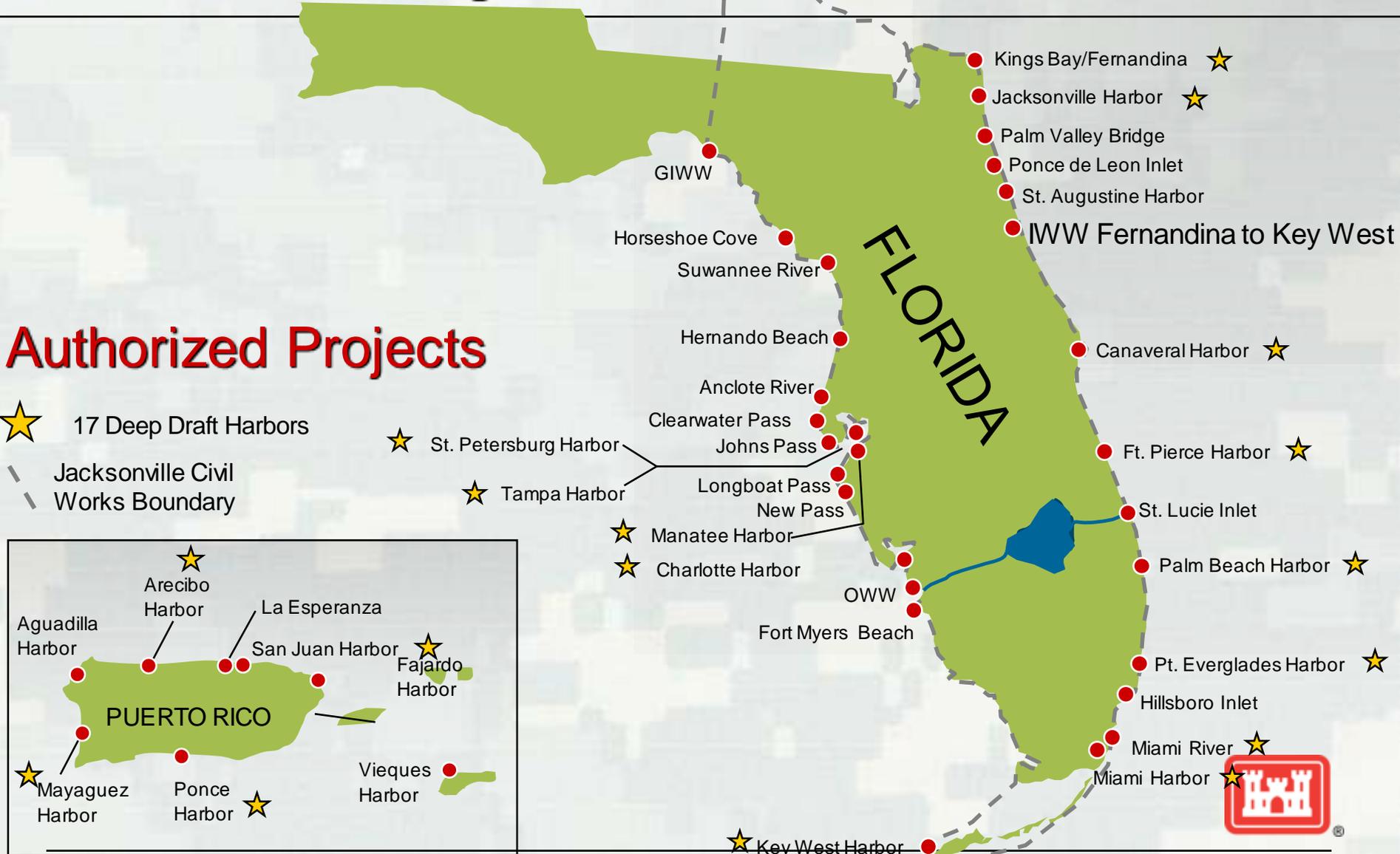
Shallow Draft Dredging Projects

- Ponce De Leon Inlet (IWW)
- 2 Years
- No windows, if no beach placement
- 500,000 CY
- Sand
- Nearshore
- Sponsor would like sand on “Dry” Beach



NAVIGATION

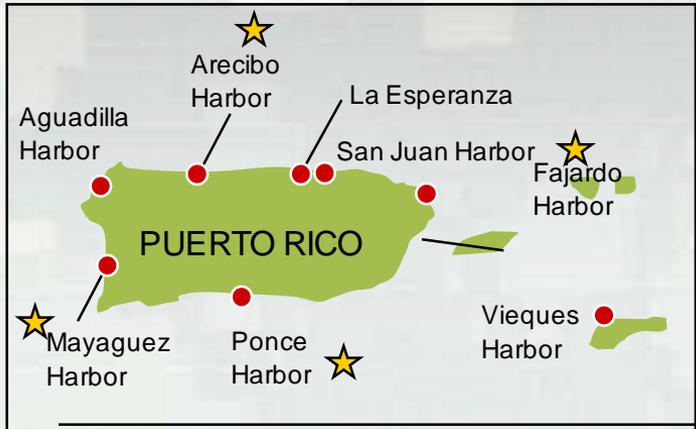
Jacksonville Program



Authorized Projects

★ 17 Deep Draft Harbors

--- Jacksonville Civil Works Boundary



BUILDING STRONG®

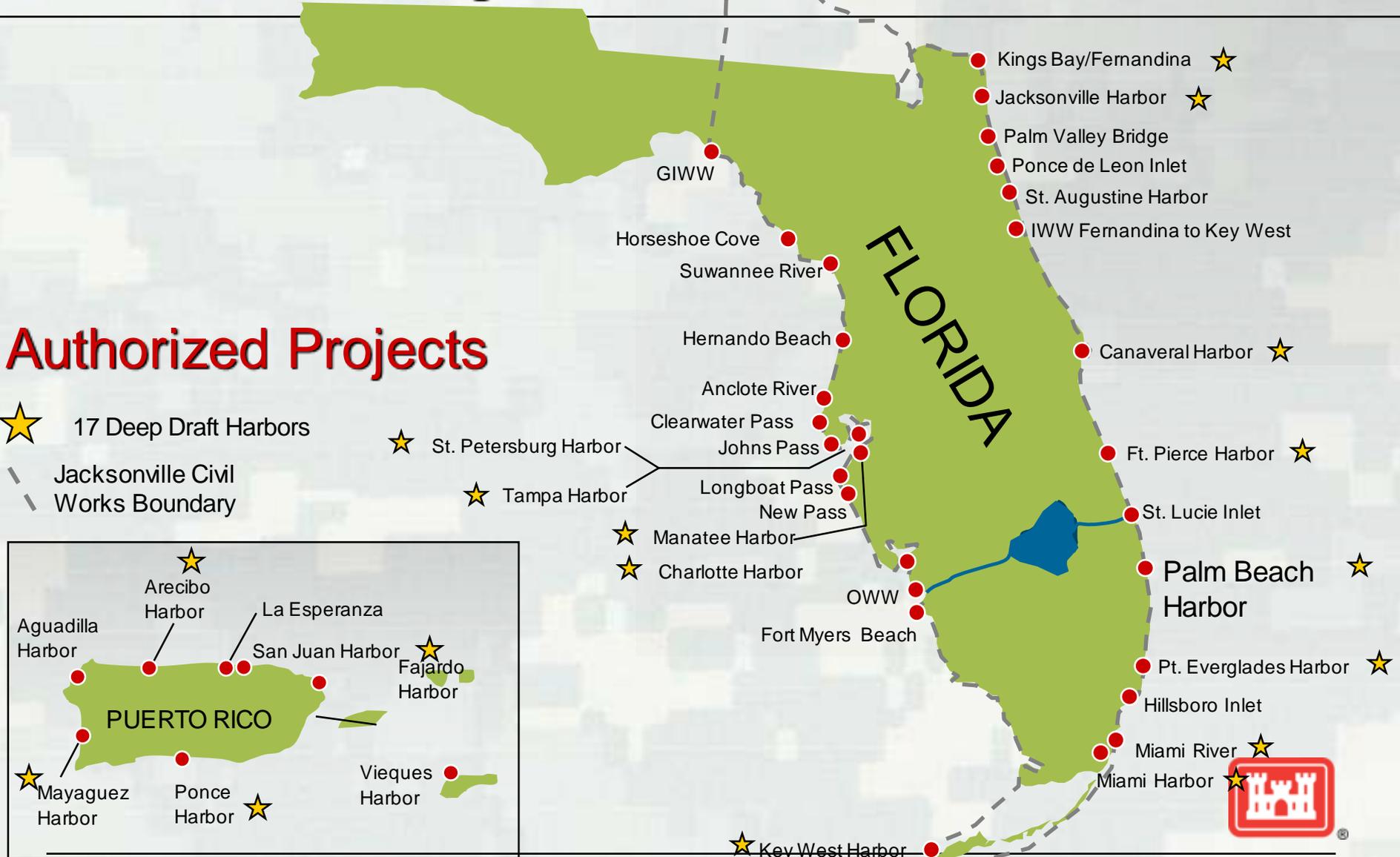
Shallow Draft Dredging Projects

- IWW
- Every Year
- No windows, if no beach placement
- 500,000 CY
- Sand
- Nearshore
- Sponsor would like sand on “Dry” Beach



NAVIGATION

Jacksonville Program



BUILDING STRONG®

Deep Draft Dredging Projects

- Palm Beach Harbor
- Every Year
- No windows, if no beach placement
- 500,000 CY
- Sand
- Nearshore
- Sponsor would like sand on “Dry” Beach



Discussion Points

- Funding
- First Thought Should be “Wilmington”
- Potential Regional/RSM Links
 - ▶ HSDR (beach projects) funding beneficial use of dredged material
 - ▶ Future authorization and funding in a “coastal system” context



SHORE PROTECTION

Jacksonville Program

Authorized Projects

 Jacksonville Civil Works Boundary
 Jacksonville Civil Works Boundary

