



Waterside Infrastructure Challenges

AAPA Executive Management Conference
Hope Moorer
May 7, 2015



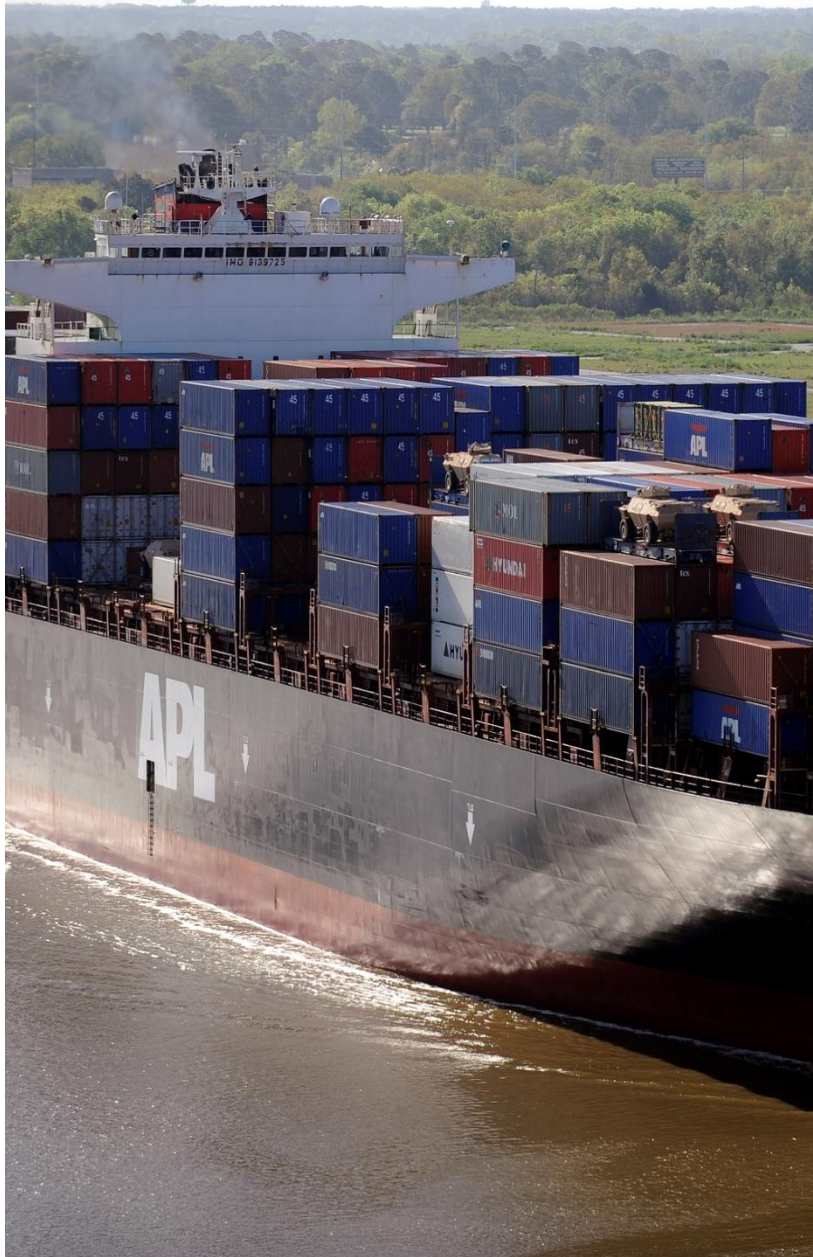
Issues

Funding

- Construction Projects
- Maintenance

Environmental

- Regulations
- Opposition



Ports Must Prepare for Larger Vessels

Deepening Process

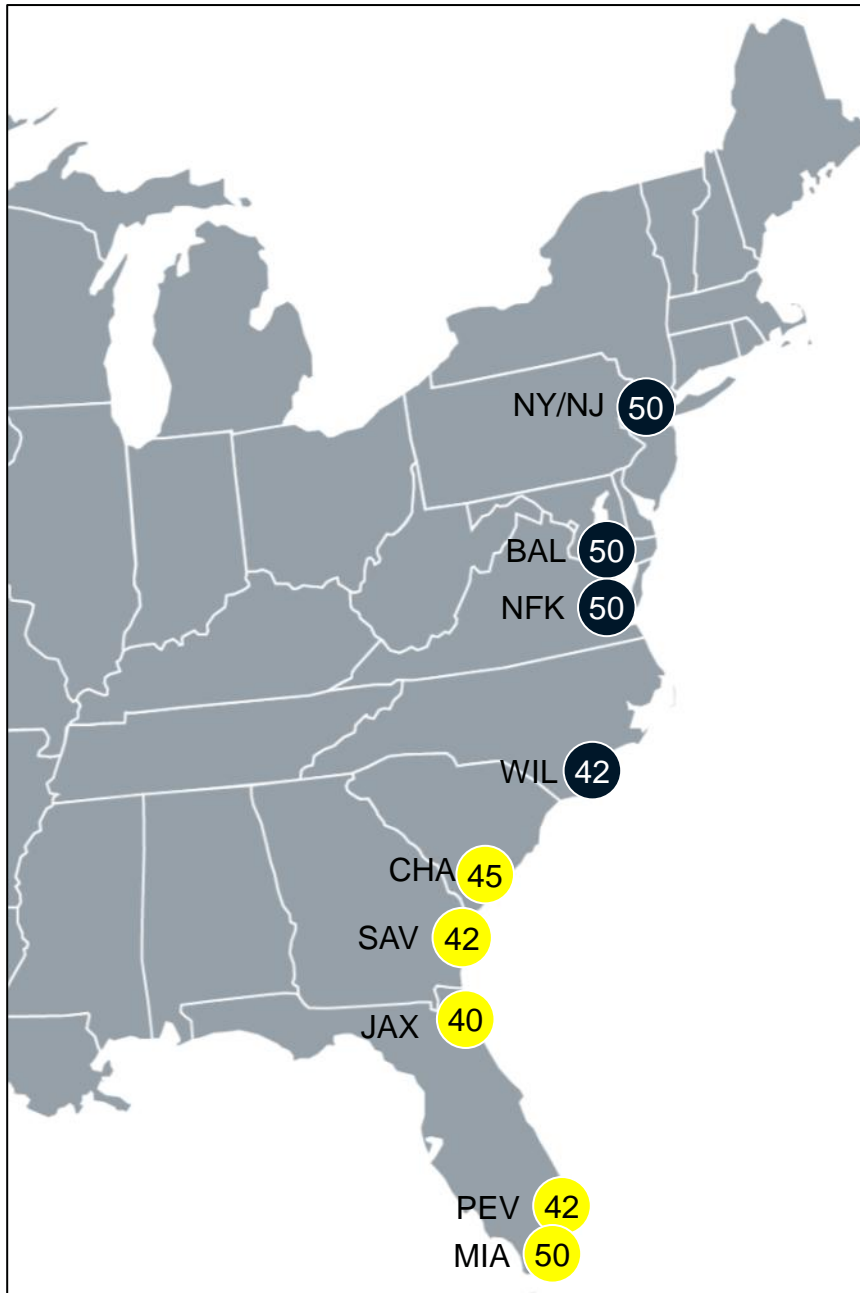
Study request new in WRRDA

Congress authorizes study

Corps Chief Report makes a recommendation to Congress

Congress authorizes, normally in a WRRDA

Congress appropriates federal shares of funds to construct



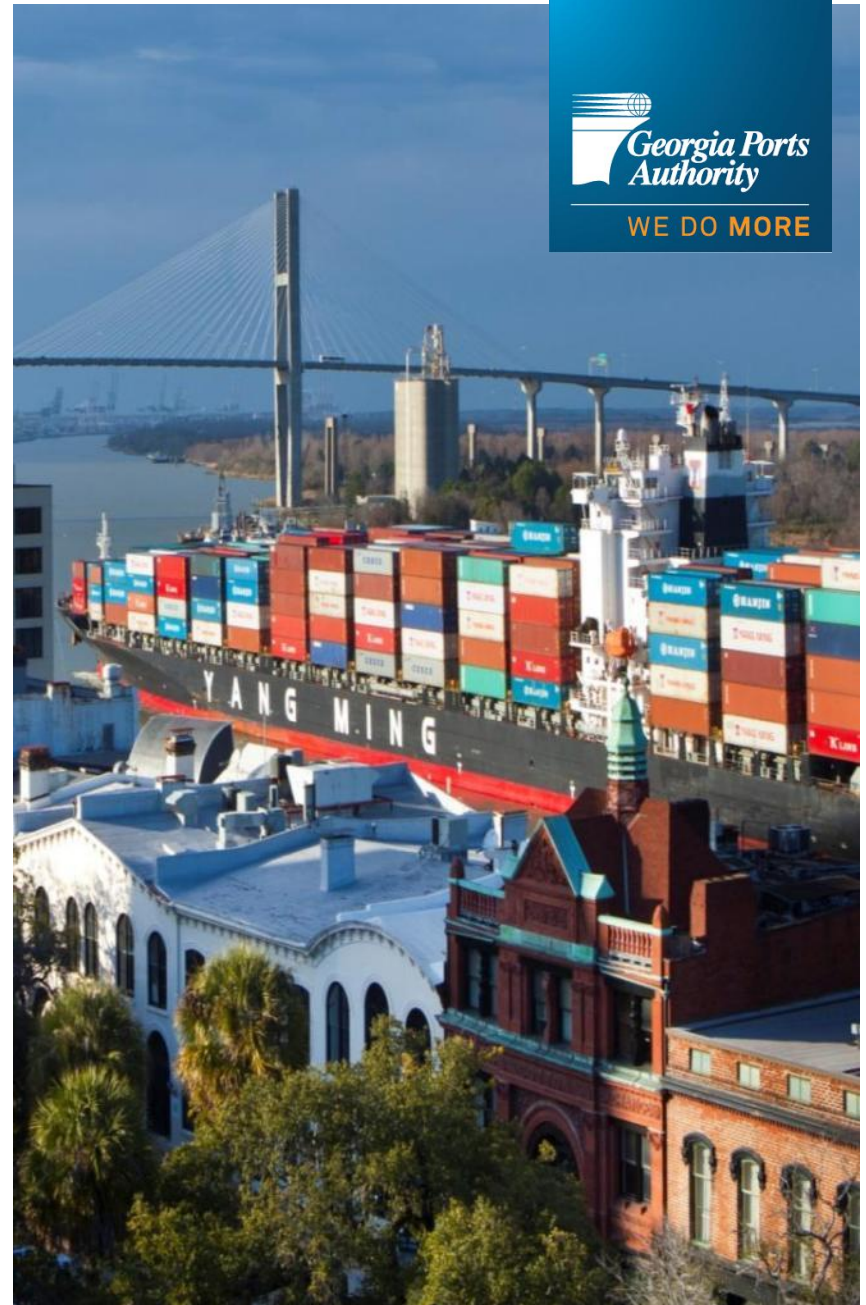
Deeper Water:

Corps projects in process

- Average length of study – 17 years
- Corps 3 x 3 x 3 initiative
- Deep Draft Navigation Center of Expertise
- Ports paying for projects themselves
- Other projects – Boston, Delaware River, Houston, Mobile, Norfolk

SAVANNAH HARBOR EXPANSION PROJECT (SHEP) MILESTONES

- **Reconnaissance Study** completed 1996.
- **Conditional Authorization** in WRDA 1999.
- **Final Cooperating Agency approvals** July 2012.
- **Supplement Chief's Report** in August 2012.
- **Record of Decision** issued October 2012.
- **Successful mediation** with South Carolina and environmental interests in May 2013.
- **Final Project Permits** issued in July 2013.
- **Total Project Cost updated** to \$706 Million in March 2014.
- **Water Resources Reform and Development Act (WRRDA)** signed into law by the President on June 11, 2014. 902 fix for project.
- **Project Partnership Agreement** signed Oct 2014.
- **First Construction Contract awarded** Oct 2014.



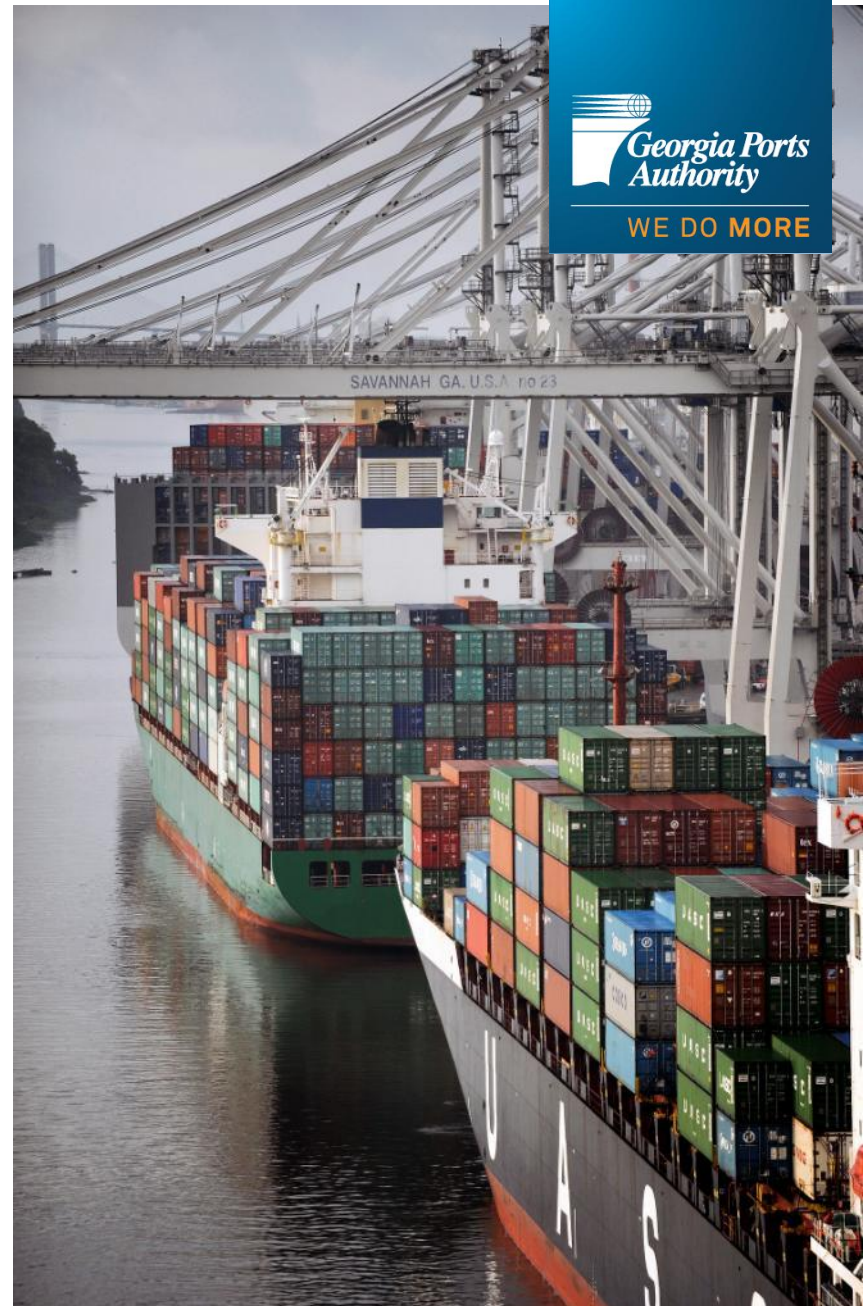


WRRDA 2014

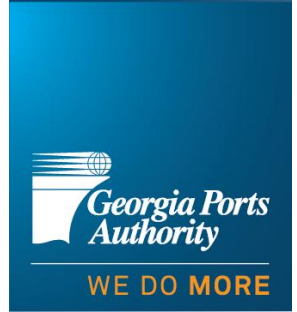
WRRDA

Water Resources and Reform Development Act

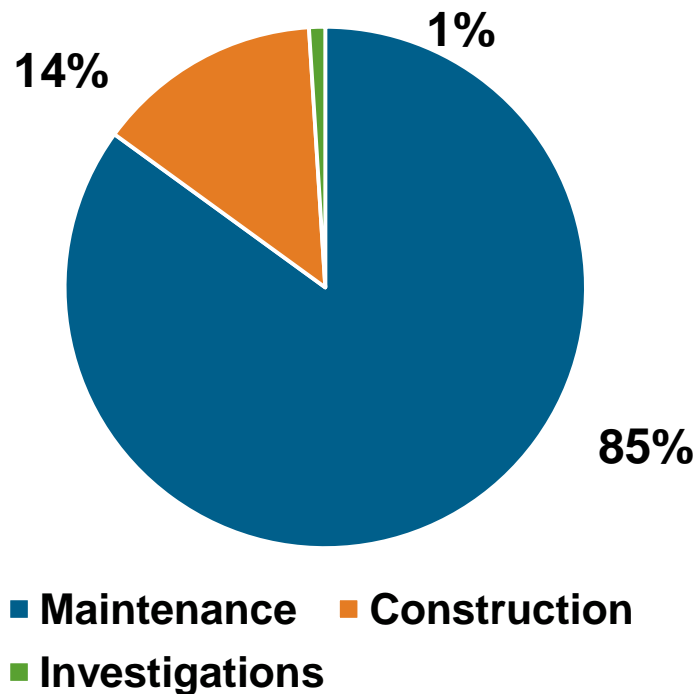
- First WRRDA Bill passed since 2007
- Authorization Bill – 8 navigation channel improvement projects
- Continues with Corps reform mandates
- Chief's Report to be completed within 3 years
- Expands use of HMTF with a new funds distribution approach
- Includes funding for expanding uses at donor ports, emerging harbors, underserved and Great Lakes ports
- Establishes incremental targets over 10 year period with full use of the HMTF in 2025



Maintenance and Modernization of Federal Channels



FY15 Appropriations



Cost-shared Funding

Studies shared 50/50

Construction variable cost share, most are 50/50

Maintenance: 100% user funded via Harbor Maintenance Tax

WRRDA '14 Navigation Project Authorizations



Name	Depth	Cost, \$ Million		
		Federal	Non-Fed	Total
1 Sabine Neches Waterway	48	\$748	\$366	\$1,114
2 Jacksonville Harbor Deepen	47	\$362	\$239	\$601
3 Savannah Harbor	47	\$492	\$214	\$706
4 Freeport Harbor	56	\$121	\$118	\$239
5 Canaveral Harbor	46	\$29	\$12	\$41
6 Boston Harbor	47	\$216	\$95	\$311
7 Lake Worth Inlet	39	\$58	\$31	\$89
8 Jacksonville Hbr, Milepoint	N/A	<u>\$28</u>	<u>\$9</u>	<u>\$37</u>
TOTAL:		\$2,054	\$1,084	\$3,138
Pres FY16 Coastal Nav Const Budget:		\$81		
Completion at FY16 budget level:		25.4 yrs (w/no inflation)		

Channel Maintenance Dredging

Federal Channel Maintenance

- Insufficient funding – Harbor Maintenance Tax; channel restrictions
- WRRDA 2014
 - 10-year incremental increases leading to full use of revenues
 - New funding distribution approach
 - HMT donor port equity
- ‘Hit the HMT Target!’ campaign





PORT OF BRUNSWICK

O&M Dredging Challenges

2007 - Deepened to -36'

- 1 - Number of years since '07 that maintenance dredging has been sufficiently funded
- 2 – Number of times (2014 & 2015) the GPA has “contributed” \$3 Million for dredging

\$5.8 million – FY'16 budget recommendation, better than current year, but not sufficient to correct current deficiency

Harbor Maintenance Tax Collections by Port

Estimated HMT by Customs Port for FY 2013

*Source WCSC Trade Based data sets

7-Apr-14

	CUSTOMS PORT NAME	VALUE of IMPORTS	ESTIMATED HMT
1	LOS ANGELES, CA	\$164,404,405,591	\$205,505,507
2	NEW YORK, NY/NJ	\$143,923,166,327	\$179,903,958
3	LONG BEACH, CA	\$143,544,047,334	\$179,430,059
4	HOUSTON, TX	\$73,566,145,958	\$91,957,682
5	SAVANNAH, GA	\$41,491,505,135	\$51,864,381
6	CHARLESTON, SC	\$39,470,394,385	\$49,337,993
7	TACOMA, WA	\$39,343,675,421	\$49,179,594
8	NORFOLK, VA	\$36,061,598,631	\$45,076,998
9	BALTIMORE, MD	\$30,803,664,329	\$38,504,580
10	OAKLAND, CA	\$26,592,778,927	\$33,240,974
11	BEAUMONT, TX	\$25,357,099,771	\$31,696,375
12	SEATTLE, WA	\$21,116,504,259	\$26,395,630
13	PHILADELPHIA, PA	\$17,614,120,331	\$22,017,650
14	NEW ORLEANS, LA	\$16,443,640,083	\$20,554,550
15	CORPUS CHRISTI, TX	\$15,169,356,234	\$18,961,695
16	MIAMI, FL	\$14,320,871,145	\$17,901,089
17	BRUNSWICK, GA	\$13,893,485,283	\$17,366,857
18	TEXAS CITY, TX	\$13,258,526,907	\$16,573,159
19	LAKE CHARLES, LA	\$13,036,711,498	\$16,295,889
20	JACKSONVILLE, FL	\$10,808,345,080	\$13,510,431
21	PORT ARTHUR, TX	\$10,353,967,219	\$12,942,459

\$2.755 billion for 2016 Corps Navigation Program

	2016 Nav Stakeholders	2015 Cromnibus	2016 Pres Bud	Remarks
Harbor Maintenance Tax	\$1.25 B	\$1.12 B	\$871* M	Hits WRRDA Target *Total HMT \$915; \$44 of Const is HMT
Coastal Navigation Construction	\$300 M	\$184 M	\$81 M	For WRRDA channel improvements
Donor & Energy Transfer Ports	\$50 M	\$0	\$0	WRRDA Section 2106
Inland Navigation Construction	\$360 M	\$300 M	\$240 M	Inland Waterway Trust Fund full use
Inland Nav O&M	\$700 M	\$661 M	\$691 M	
Nav Investigations	\$50 M	\$38 M	\$25 M	Complete WRRDA studies in 3 years
MS River & Trib	\$45 M	\$45 M	\$38 M	
Total	\$2.755 B	\$2.348 B	\$1.948 B	

'Nav 1 Number' Graphics

- \$2.76 billion for the Corps Navigation program
- Collaboration with inland waterways user groups
- Simple, straightforward message like the 'Hit the HMT Target!' campaign
- Build and maintain 21st century US infrastructure
- US Jobs and Economic Growth!



Waterways - Federal Agencies

Corps of Engineers

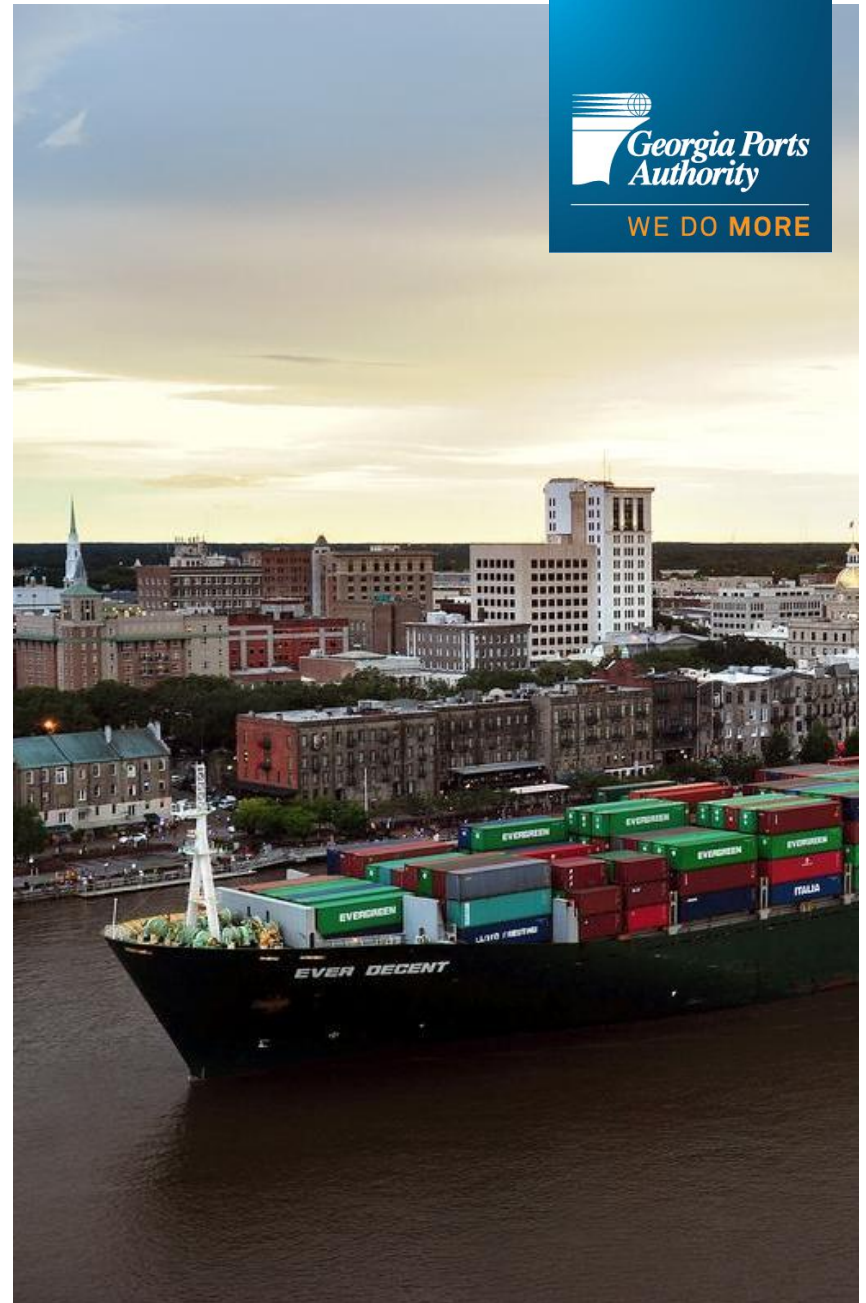
Dredging, Funding,
Environmental and
Regulatory

Coast Guard

Aids to Navigation, Marine
Safety, Disaster Recovery

NOAA

Mapping and Charting,
PORTS program



Environmental Concerns

Air Emissions

- EPA's DERA Grant Program
 - Clean Truck, Yard Equipment Retrofit, and Rail
- MARPOL Annex VI
- Alternative fuels
- CMAQ/Other grant money

Water issues

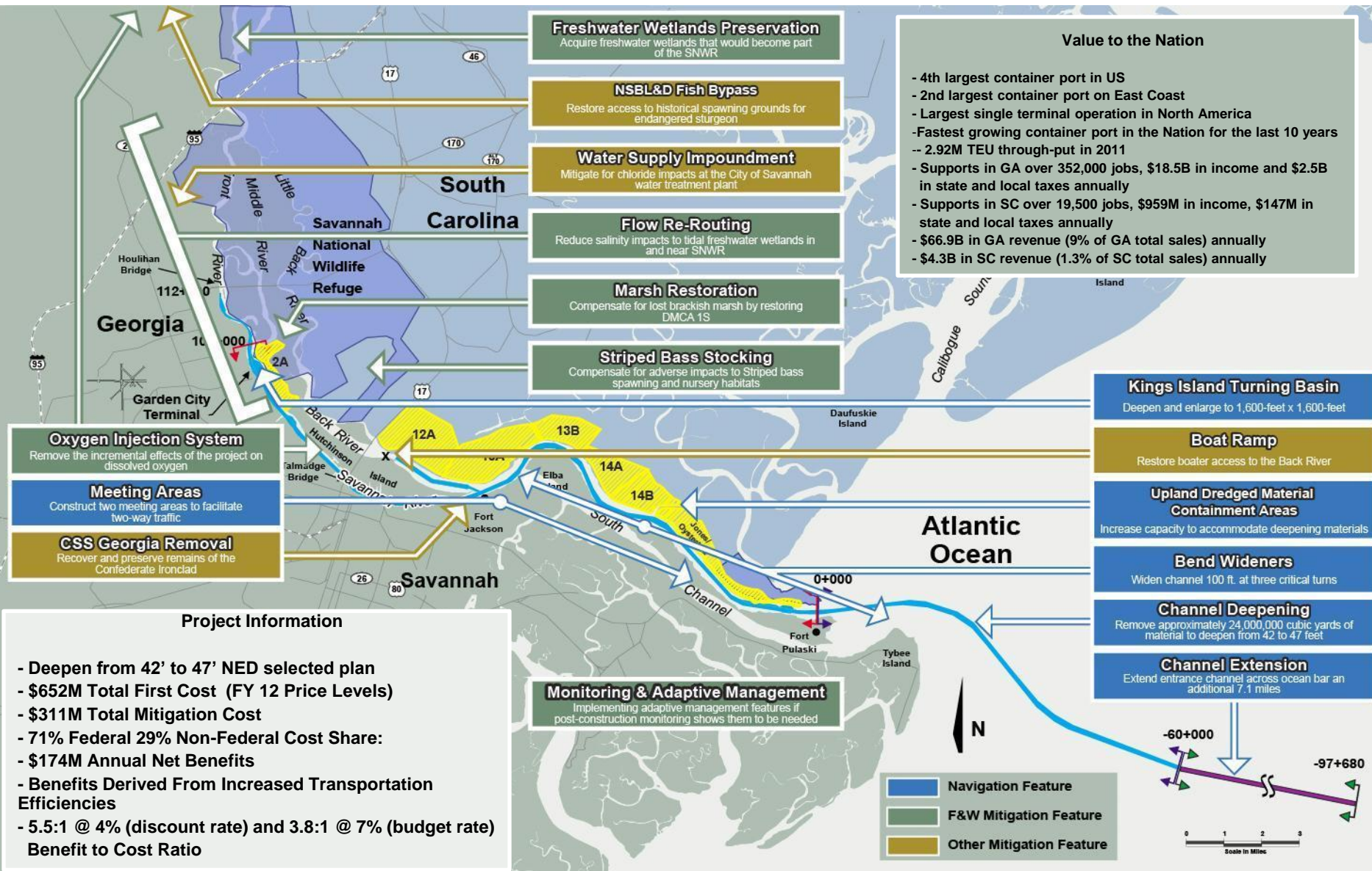
- Ballast Water Regulation
- Stormwater Discharge

Dredging

- Environmental Windows
- Disposal Site Availability
- Speed restrictions – Right Whales



47' NED Selected Plan





THANK YOU
