

NC General Assembly Briefing

Federal Navigation Program

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Commander, US Army Corps of Engineers
Wilmington District

March 7, 2016



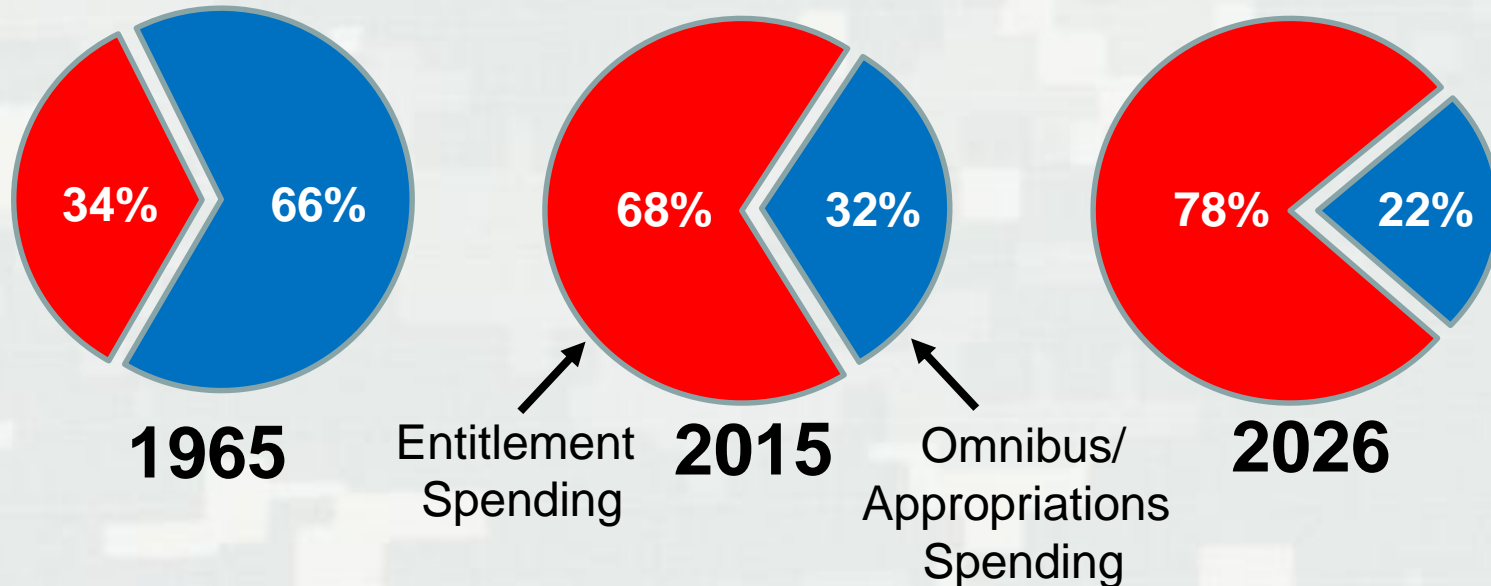
Corps Navigation Mission

Provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.



ENTITLEMENT SPENDING IS UNSUSTAINABLE

Entitlement Spending Discretionary Spending



2016 PROJECTED BUDGET:

Total Revenue: \$3.4 Trillion

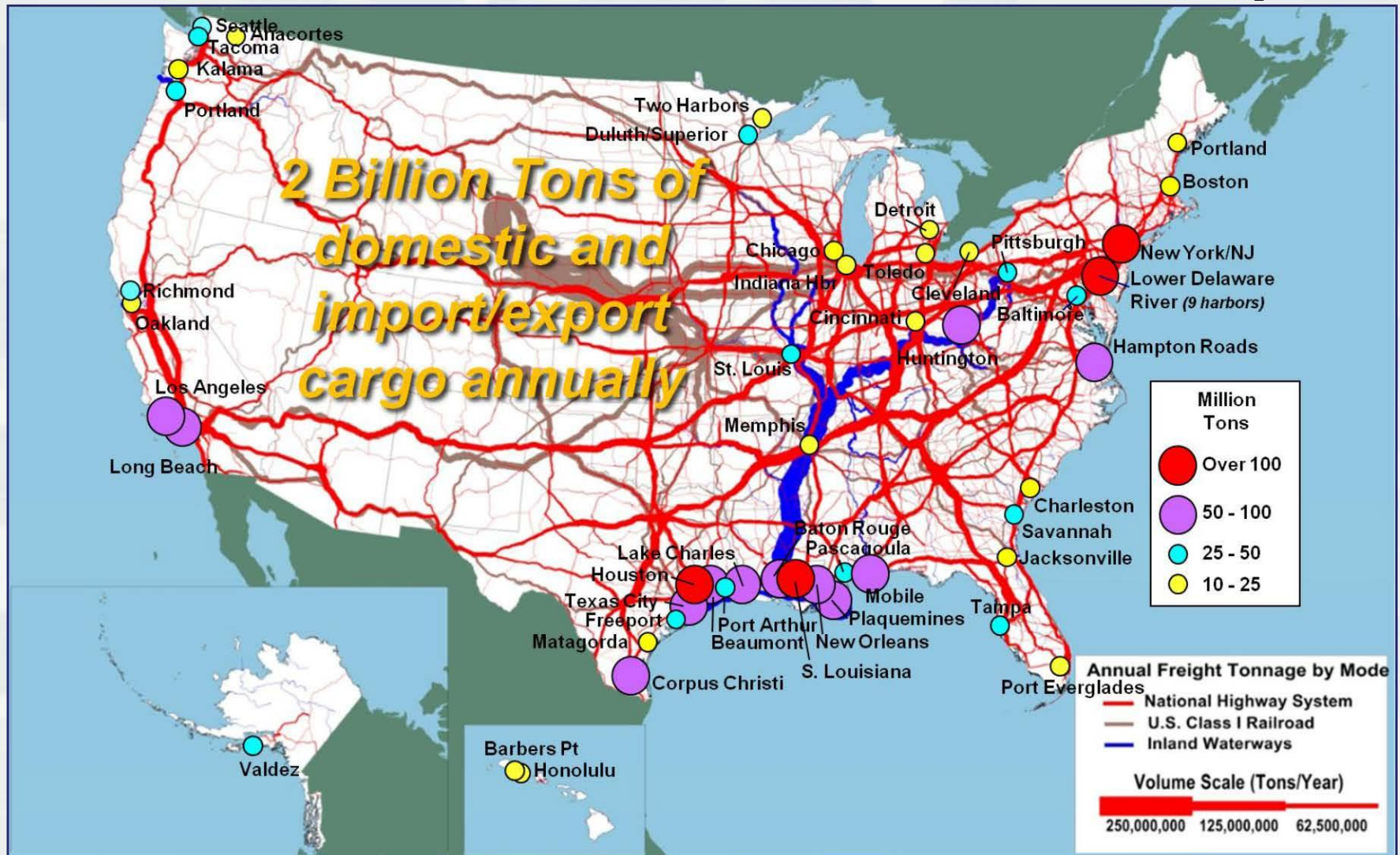
Discretionary Spending (omnibus): \$1.2 Trillion

Mandatory Spending: \$2.7 Trillion

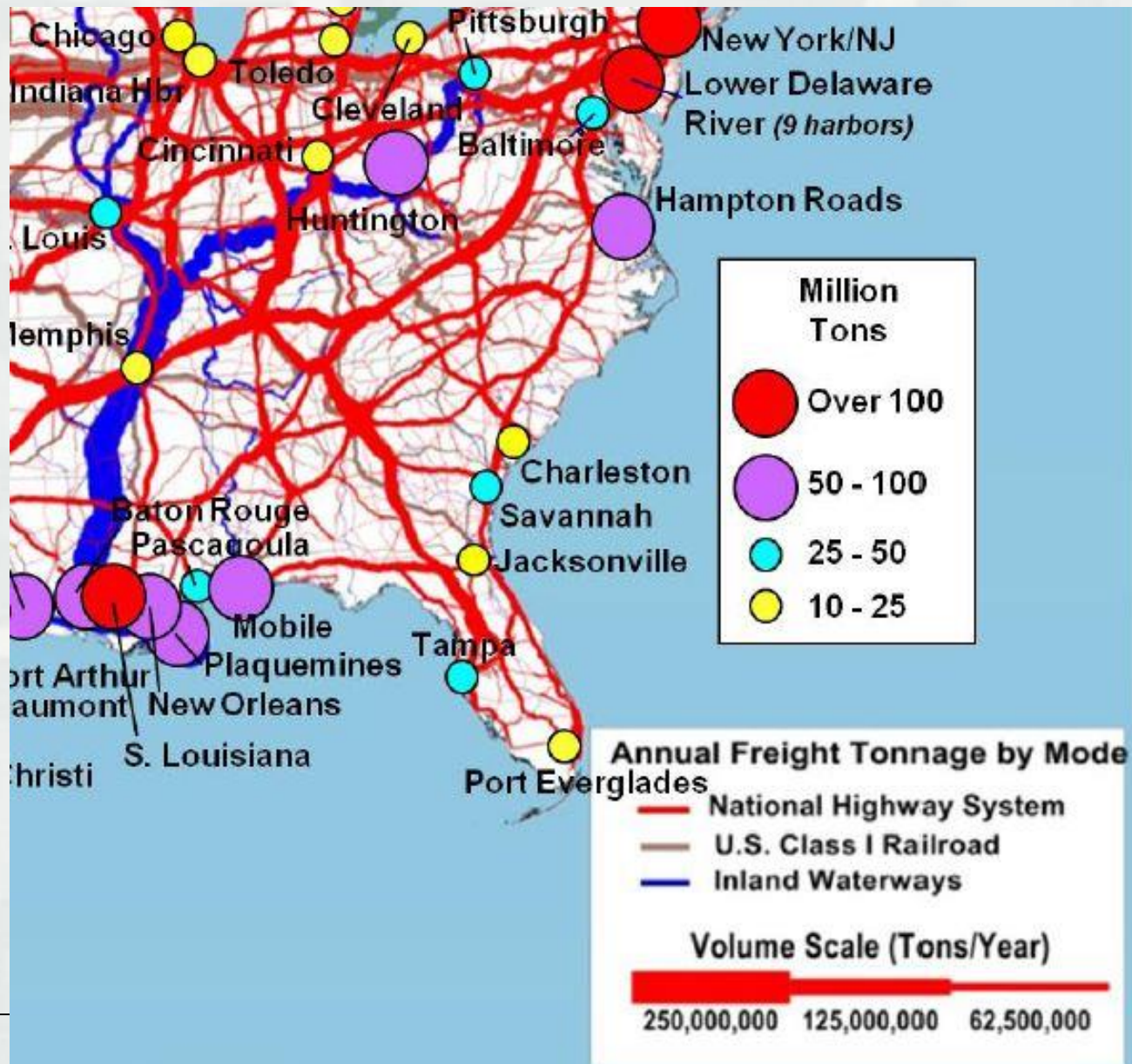


BUILDING STRONG®

U.S. Ports and Inland Waterways: Vital to our National Economy



U.S. Ports and Inland Waterways



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USACE Navigation Assets

COASTAL NAVIGATION

1,067 Navigation projects
19 Lock chambers
13,000 Miles of channels
929 Navigation structures
844 Bridges



INLAND NAVIGATION

27 Inland River Systems
207 Lock chambers @ 171 lock sites
12,000 Miles of inland river channels



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FY 2015 USACE Operation and Maintenance Funding Breakdown

Category	Inventory	Total Funding	Percentage of Funding	Percentage of Commerce
High Use: (Greater Than 10 Million Tons)	59	\$935 M	62%	90%
Moderate Use: (Between 1 & 10 Million Tons)	100	\$382 M	25%	9%
Low Use: (Less Than 1 Million Tons)	908	\$113 M	7%	1%
Other:		\$ 89 M	6%	
Total:	1067	\$1.52 B	100%	100%

Note: Percentage of Commerce is measured by cargo movement.

USACE is AUTHORIZED to dredge ~1000 harbors

- None maintained to authorized depth 100% of the time.
- The High Use Harbors (~ only 60) are dredged annually.
- Between 200 – 300 total projects dredged on a “regular basis”.
- O&M Funding prioritized (mostly) on commercial tonnage.



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Game Changers

- Panama Canal Expansion
- WRRDA 2014
- Increase in Ship Sizes
- Economic Growth / Jobs
- U.S. Trade and World Competitiveness
- Environmental Requirements
- Costs of Doing Business
- Availability of Dredged Material Placement Sites
- Port Capacity



US Harbors 45' or Greater



WEST COAST

Seattle/Tacoma (51')
Oakland (50')
LA/LB (>50')
San Diego (47')

EAST COAST

NY/NJ (50' underway)
Baltimore (50')
Hampton Roads (50')
Charleston
Morehead City

GULF COAST

Mobile
New Orleans
Houston/Galveston/Texas City
Corpus Christi
Freeport



“We Can’t Wait” Ports Compared to North Carolina Ports

	Norfolk		Savannah		Charleston		Jacksonville		Miami		Wilmington		Morehead City	
Year	Rank #	Total Cargo Volume in Short Tons (Domestic and Foreign)	Rank #	Total Cargo Volume in Short Tons (Domestic and Foreign)	Rank #	Total Cargo Volume in Short Tons (Domestic and Foreign)	Rank #	Total Cargo Volume in Short Tons (Domestic and Foreign)	Rank #	Total Cargo Volume in Short Tons (Domestic and Foreign)	Rank #	Total Cargo Volume in Short Tons (Domestic and Foreign)	Rank #	Total Cargo Volume in Short Tons (Domestic and Foreign)
2010	15	41,569,373	19	34,681,656	39	17,985,995	34	19,117,823	62	6,959,725	60	7,428,160	81	3,497,666
2011	15	47,352,771	19	35,459,297	37	17,916,618	39	16,827,591	62	7,177,761	63	6,972,535	82	3,569,512
2012	15	46,219,206	20	37,132,066	33	19,105,017	39	15,415,144	62	6,993,927	64	6,718,650	86	3,248,655
2013	14	48,893,636	23	31,990,023	35	18,525,276	38	16,471,608	63	7,125,341	65	6,778,483	88	3,425,689
2014	14	47,999,943	22	34,359,148	33	19,847,051	38	17,300,602	65	7,142,109	77	5,887,971	100	2,623,640



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Wilmington District Navigation Projects



Wilmington District Navigation Projects



Wilmington Harbor



Wilmington Harbor



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Morehead City Harbor



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Rail Access Morehead City Harbor



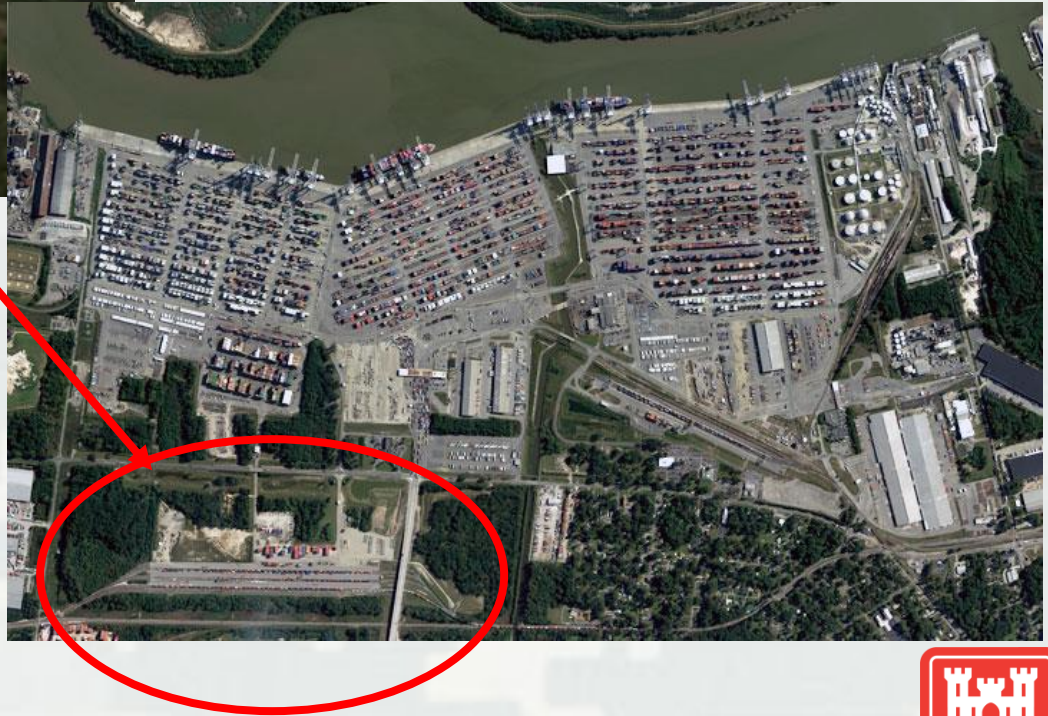
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Port of Savannah / Garden City Terminal

One of the “We Can’t Wait Ports”



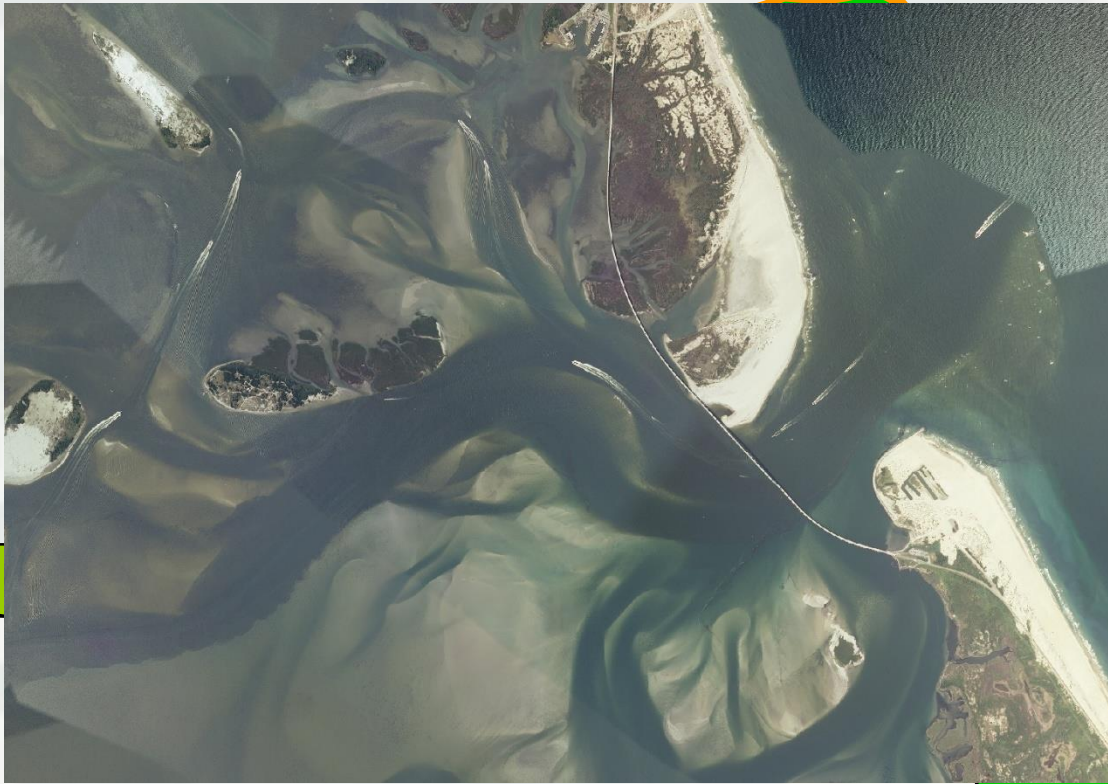
“Rail Still Dominates the Logistics Landscape”



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Manteo (Shallowbag) Bay, NC

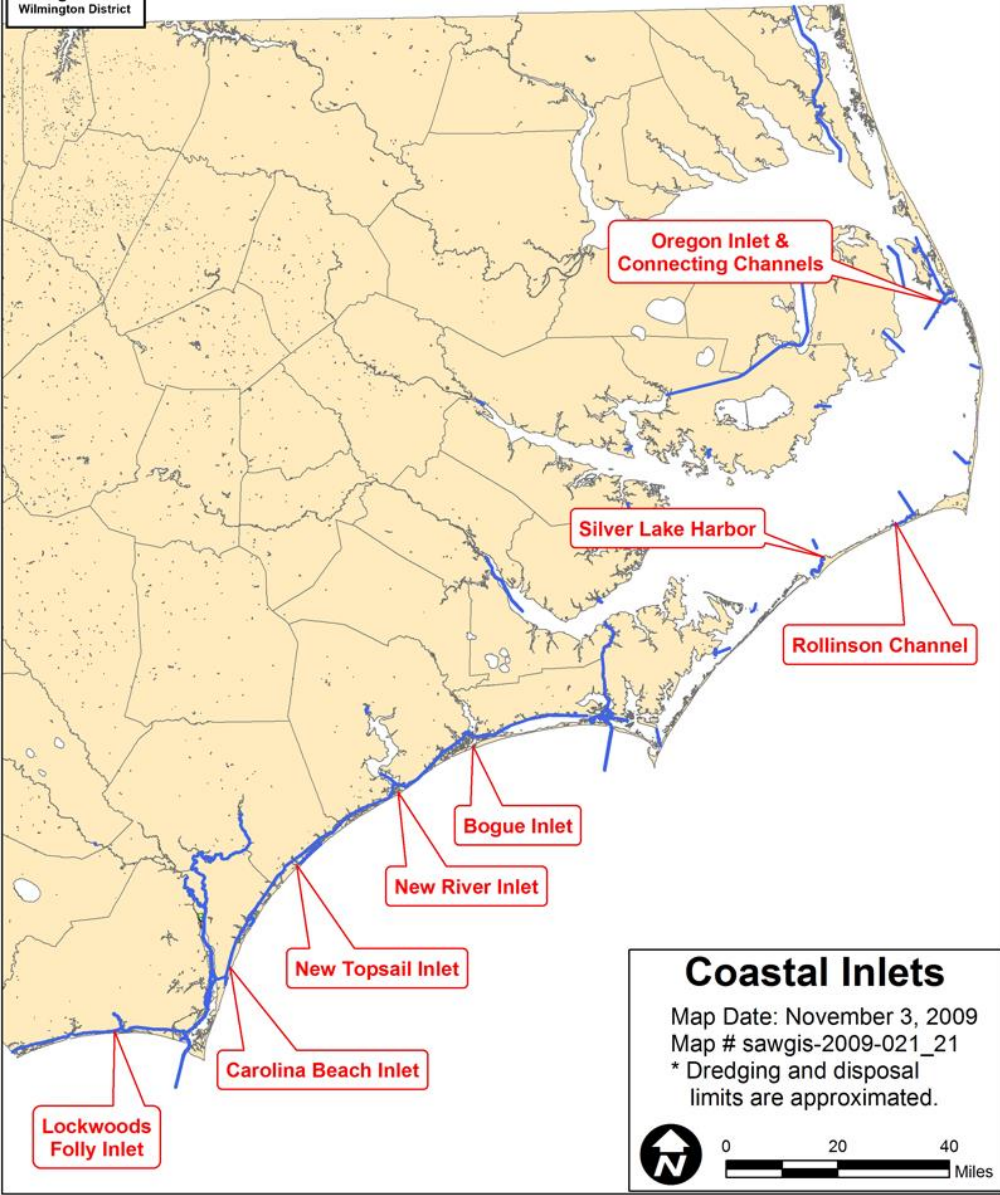
Oregon Inlet



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Oregon Inlet – Bonner Bridge





PROJECT: Coastal Shallow Draft Inlets
TYPE WORK: Maintenance
DEPTH:

Lockwoods Folly	8-ft+2-ft
Carolina Beach Inlet	8-ft+2-ft
New Topsail Inlet	8-ft+2-ft
New River Inlet	6-ft+2-ft
Bogue Inlet	8-ft+2-ft
Silver Lake (Ocracoke)	18 & 12-ft+2-ft
Rollinson (Hatteras)	10-ft+2-ft
Oregon Inlet	14-ft+3-ft
Manteo Interior Channels	12-ft+2-ft

WIDTH: Varies
TYPE OF MATERIAL: Sand

PLACEMENT AREAS:

Side-Cast Dredges: Adjacent to channel
CURRITUCK: Approved Disposal Locations



WILMINGTON DISTRICT

Summary of FY 2016 Appropriations and Work Plan and FY 2017 President's Budget

Specifically Authorized Projects Only (\$1,000)

Operations and Maintenance (Navigation)	FY 2016 President's Budget (\$1,000) 2/2/15	FY 2016 Omnibus Bill Less 1% Holdback (\$1,000) 12/18/15	FY 2016 Mini- Work Plan (\$1,000) 2/8/16	FY 2016 Total Allocation (\$1,000) 2/8/16	FY 2017 President's Budget (\$1,000) 1/20/16 (Passback)
Atlantic Intracoastal Waterway, NC	2,600	2,574	3,000	5,574	1,750
Cape Fear River above Wilmington, NC	772	764		764	931
Manteo (Shallowbag) Bay, NC	2,000	1,980	3,225	5,205	1,876
Masonboro Inlet and Connecting Channels, NC	50	50		50	26
Morehead City Harbor, NC	8,796	8,708	5,000	13,708	5,950
New River Inlet, NC			500	500	220
Rollinson Channel, NC	300	297	1,000	1,297	765
Silver Lake Harbor, NC	300	297	1,200	1,497	580
Wilmington Harbor, NC	15,019	14,869		14,869	13,400
Project Condition Surveys, NC	700	693		693	700
O & M (Navigation), Subtotal	\$30,537	\$30,232	\$13,925	\$44,157	\$26,198



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North Carolina Shallow Draft **Memorandum of Agreement**

- 1. Executed with the State of North Carolina (NCDENR/NCDEQ) in November 2013**
- 2. To accept non-Federal contributory funds to be used by the Corps for the maintenance of shallow-draft Federal navigation projects**
- 3. Currently, a total of \$4,000,000 per US Government fiscal year (Oct 1 – Sept 30) can be provided.**
- 4. The current agreement expires September 30, 2017. The Corps is currently working on an extension to this agreement with the State.**
- 5. Project Work plans are developed annually and funded quarterly. Last meeting held February 25, 2016 in New Bern.**



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Government Plant



Wilmington District Floating Plant

Sidescaster



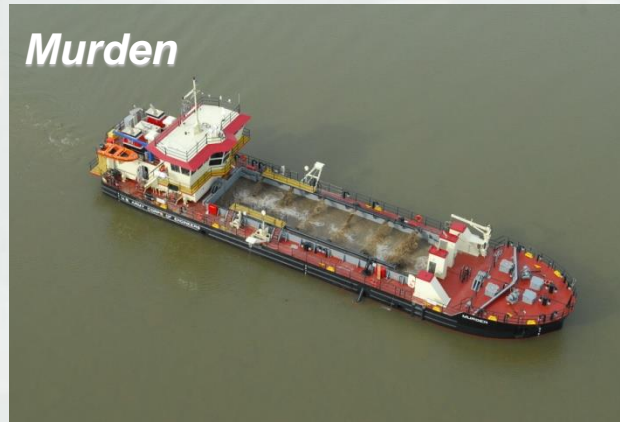
Special Purpose



Debris Boat



Murden



- National Asset
- Varied dredging capabilities
- No Industry Equivalent
- Shallow draft-- go anywhere!



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US Army Corps
of Engineers
Wilmington District



Wilmington District
East & Gulf Coast
Dredging Locations

Map Date: February 19, 2016
Map # savnavgis-2011-017-04

Dredging Locations



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QUESTIONS?



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USACE Wilmington District Points of Contact

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Wilmington District Navigation Web Link:

<http://www.saw.usace.army.mil/Missions/Navigation.aspx>



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