

# **Atlantic Intracoastal Waterway: America's Marine Highway 95**

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**Executive Director**

**Atlantic Intracoastal Waterway Association**



**WEDA- Eastern Chapter Annual Meeting  
October 25, 2016**

# The Atlantic Intracoastal Waterway Association

- Organized in 1999 as a 501c(6), membership organization to encourage the continuation and further development of waterborne commerce and recreation on the Atlantic Intracoastal Waterway of Virginia, North Carolina, South Carolina, Georgia and Florida.
- The Association advocates for regular dredging and adequate maintenance to promote safe, cost-effective navigation.



AIWW  
Virginia  
To  
Florida



The US Army Corps of Engineers maintains the Waterway for 1,100 miles between Norfolk, Virginia and Florida Bay, Florida. M-95 is authorized to -12 feet MLLW with widths of 90 feet through land cuts and 150 feet in open water areas, and -10 feet MLLW in most of Florida.





# Beyond Traffic

2045

## Transportation and the Economy

By 2045, the U.S. economy is forecast to grow by **115%** to **\$36.7 trillion**—and the transportation sector will represent about

# \$1.6 trillion

of total Gross Domestic Product.

## Global Demand for U.S. Products

Global trade is one of the brightest spots in our economy.

U.S. exports reached **\$2.3 trillion** in 2013, setting a new record for the 4<sup>th</sup> straight year

\$1 billion in exports = **5,000 U.S. jobs**

## The U.S. energy boom

is placing unprecedented demand on our transportation system.

**42x** the 9,500 carloads of crude oil in 2008

Crude oil production is up **50%** since 2008

Rail carried **400,000** carloads of crude oil in 2013

By 2040, U.S. freight volume will grow to **29 billion tons**—an increase of **45%**.



Major gains in freight movement are predicted by 2040

By 2040, the **value** of freight will grow to **\$39 trillion**—an increase of **125%**.



**54 million tons** of freight move across our nation every day

## Freight Movement is Multimodal

Every mode of transportation moves freight, but trucking is the primary mode of freight travel.

	2012	(in tons)	2040
Truck	13.2 billion	+43%	18.8 billion
Rail	2.0 billion	+37%	2.8 billion
Waterborne	975 million	+10%	1.1 billion
Air	15 million	+250%	53 million

## System Performance and the Cost of Congestion

By 2040, nearly **30,000** miles of our busiest highways will be clogged on a daily basis.

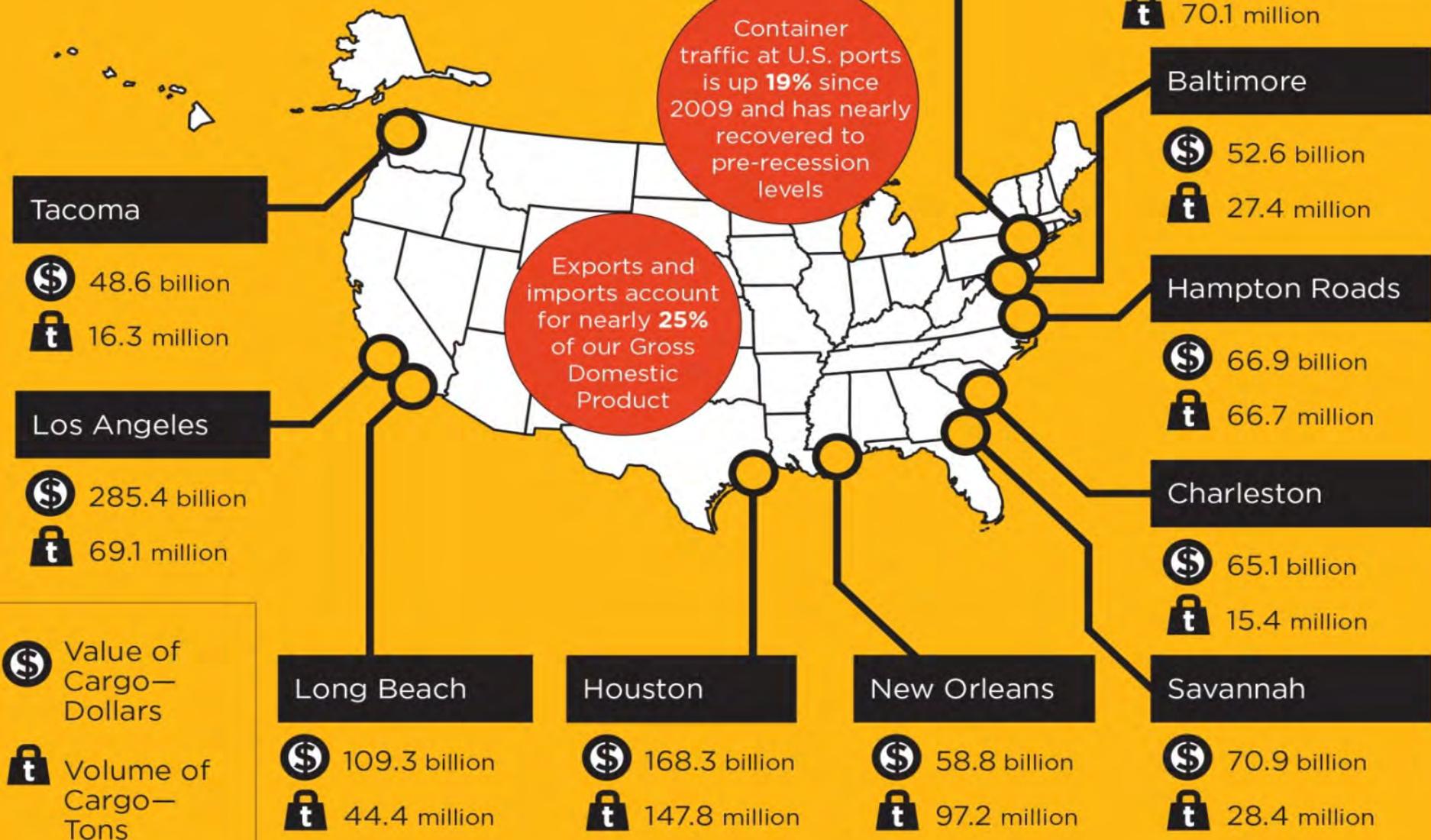
Truck congestion wastes **\$27 billion** in time and fuel annually.



# Top Ten U.S. Ports in 2014 (by Value of Cargo)

**65% of America's imported and exported containerized freight (by value) flows through ten ports.**

Ports are opportunity multipliers—economic engines, fueling good jobs not just on our coasts, but across the country.





# NATIONAL MARITIME STRATEGY



## FIVE STRATEGIC GOALS

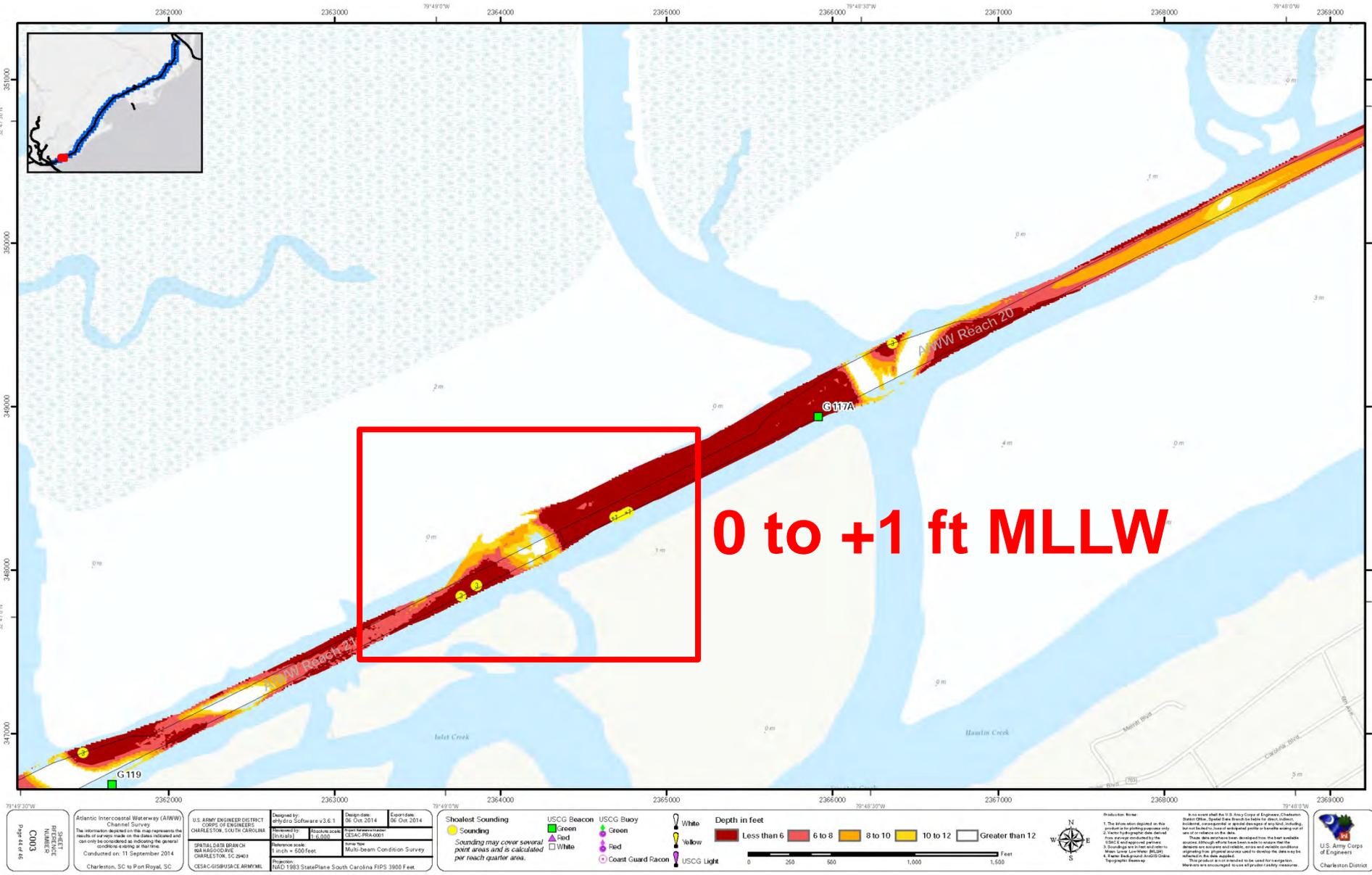
- 1) EXPAND CAPACITY OF U.S. GATEWAY PORTS
- 2) ENSURE THE MARITIME CAPACITY TO GUARANTEE ECONOMIC AND NATIONAL SECURITY
- 3) MODERNIZE, EDUCATE, TRAIN AND RECRUIT THE NEXT GENERATION OF MARINERS
- 4) FULLY LEVERAGE WATERBORNE TRANSPORTATION IN OUR NATIONAL TRANSPORTATION NETWORK
- 5) DRIVE MARITIME TECHNOLOGY INNOVATION

# Why water? We have no choice!



State	FY 2015 Budget	FY 2015 Work Plan	FY 2016 Budget	FY 2016 Work Plan
VA	\$6.94 Million	\$6.94 M	\$3.655 M	<b>\$4.755 M</b>
NC*	\$2.6 M	\$2.6 M	\$2.6 M	<b>\$5.6 M</b>
SC*	\$500,000	<b>\$2.4 M</b>	\$100,000	\$100,000
GA	\$176,000	\$176,000	\$176,000	\$176,000
FL*	\$600,000	<b>\$1.2 M</b>	\$700,000	<b>\$3.3 M</b>
Total for M-95	\$10,816,000	\$13,316,000 (23% increase)	\$7,231,000	\$13,931,000 (93% increase)

# Funding Pot Example- 2015



Atlantic Intercoastal Waterway (AIWW) Channel Survey  
 The information depicted on this map represents the results of survey made on the dates indicated and can only be considered as indicating the general conditions existing at that time.  
 Conducted on: 11 September 2014  
 Charleston, SC to Port Royal, SC

U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 CHARLESTON SOUTH CAROLINA  
 DIGITAL DATA BRANCH  
 SA JAGOOD@USACE  
 CHARLESTON, SC 29405  
 DESIGNED BY: [redacted]  
 DESIGNED DATE: 26 Oct 2014  
 EXPIRES DATE: 26 Oct 2014  
 PROJECT NUMBER: [redacted]  
 PROJECT NAME: Multi-beam Condition Survey  
 SCALE: 1 inch = 500 feet  
 PROJECTION: NAD 1983 StatePlane South Carolina FIPS 3908 Feet

**Shoalest Sounding**  
 Sounding may cover several point areas and is calculated per reach quarter area.

**USCG Beacon**  
 Green  
 Red  
 White

**USCG Buoy**  
 Green  
 Red  
 Coast Guard Racon

**White**  
 USCG Light

**Depth in feet**

Less than 6	6 to 8	8 to 10	10 to 12	Greater than 12
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0 250 500 1,000 1,500 Feet



**Production Note:**  
 1. The information depicted on this product is the property of the U.S. Army Corps of Engineers, Charleston District. It is not to be used for any other purpose without the express written consent of the U.S. Army Corps of Engineers, Charleston District.  
 2. This product is not to be used for any other purpose without the express written consent of the U.S. Army Corps of Engineers, Charleston District.  
 3. Knowledge of the local conditions and the depth of the water is essential for safe navigation. This product is not intended to be used for navigation. Users are encouraged to use all prudent safety measures.



# Southwind Construction- Dredge Wilco



# Fiscal Year 2017- Current status

- President's Budget- \$6,911,000, matched by House and Senate Committees
- Association Targets for Additional Dredging Needs included in Delegation letter
  - Inland Waterways- \$50M
    - \$45 million in FY16 (**House \$48**, Senate \$45)
  - Small, Remote or Subsistence Navigation- \$50M
    - \$48 million in FY16 (**House \$50**, Senate \$48)
  - Navigation- \$50M
    - \$23.5 million in FY16 (**House \$25.3**, Senate \$23.5)

# AIWW/GIWW Needs Assessment in WRRDA 2014

- WRRDA 2014 Section 2008 requires Corps of Engineers to quantify annual maintenance dredging needs of AIWW and provide report to Congress.
- Information will aid in long-term planning for federal and non-federal partners.



# AIWW/GIWW Needs Assessment in WRRDA 2014 Action

- Congressmen Jones (NC) & Carter (GA) sent individual letters requesting status.
- WRRDA Subcommittee Hearing- Frankel (FL) and Rouzer (NC) asked ASA Darcy about status.
- Joint delegation letter to ASA Darcy requesting study be initiated. Thirteen signatories representing four states on final letter.
- AIWA Board met with SAD Commander in May 2016 and readily available information was released in August 2016



# Amount of money to return AIWW/IWW to authorized depth

- Virginia- \$17,500,000
- North Carolina- \$11,000,000
- South Carolina- \$69,000,000
- Georgia- \$28,591,000
- Florida- \$0
- **NC and FL have non-federal funding streams**

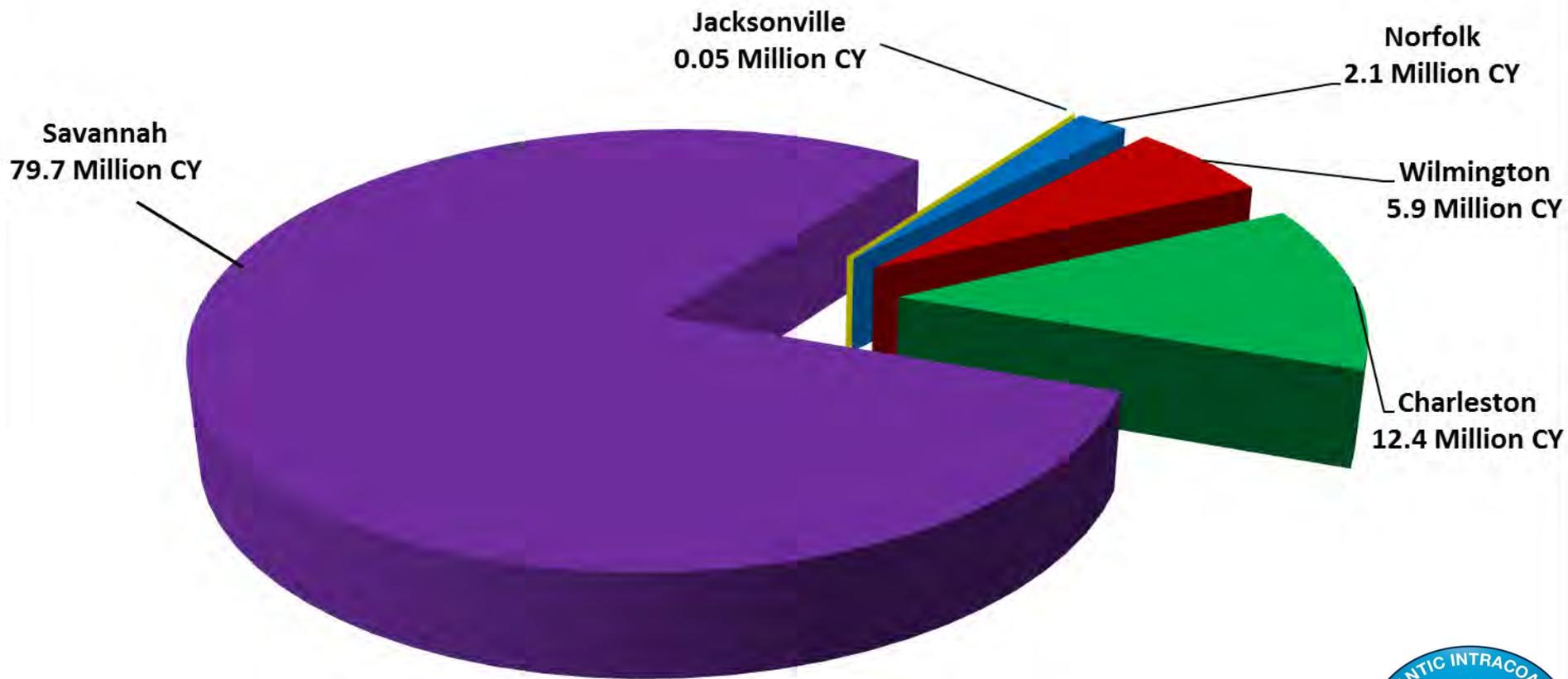


# Amount of money to maintain AIWW/IWW at authorized depth

- Virginia- \$4,200,000
- North Carolina- \$8,000,000
- South Carolina- \$18,000,000
- Georgia- \$10,000,000
- Florida- \$10,000,000



# Environmental Challenges



# Thin-layer Placement/Beneficial Use

- **Jekyll Island Authority Letter to Savannah District**
  - **“We are interested in this beneficial use approach as a possible solution and are requesting that the Savannah District work with us to hold a workshop on Jekyll Island to discuss this technology as a pilot project for Georgia.”**



# Moving forward in 2016

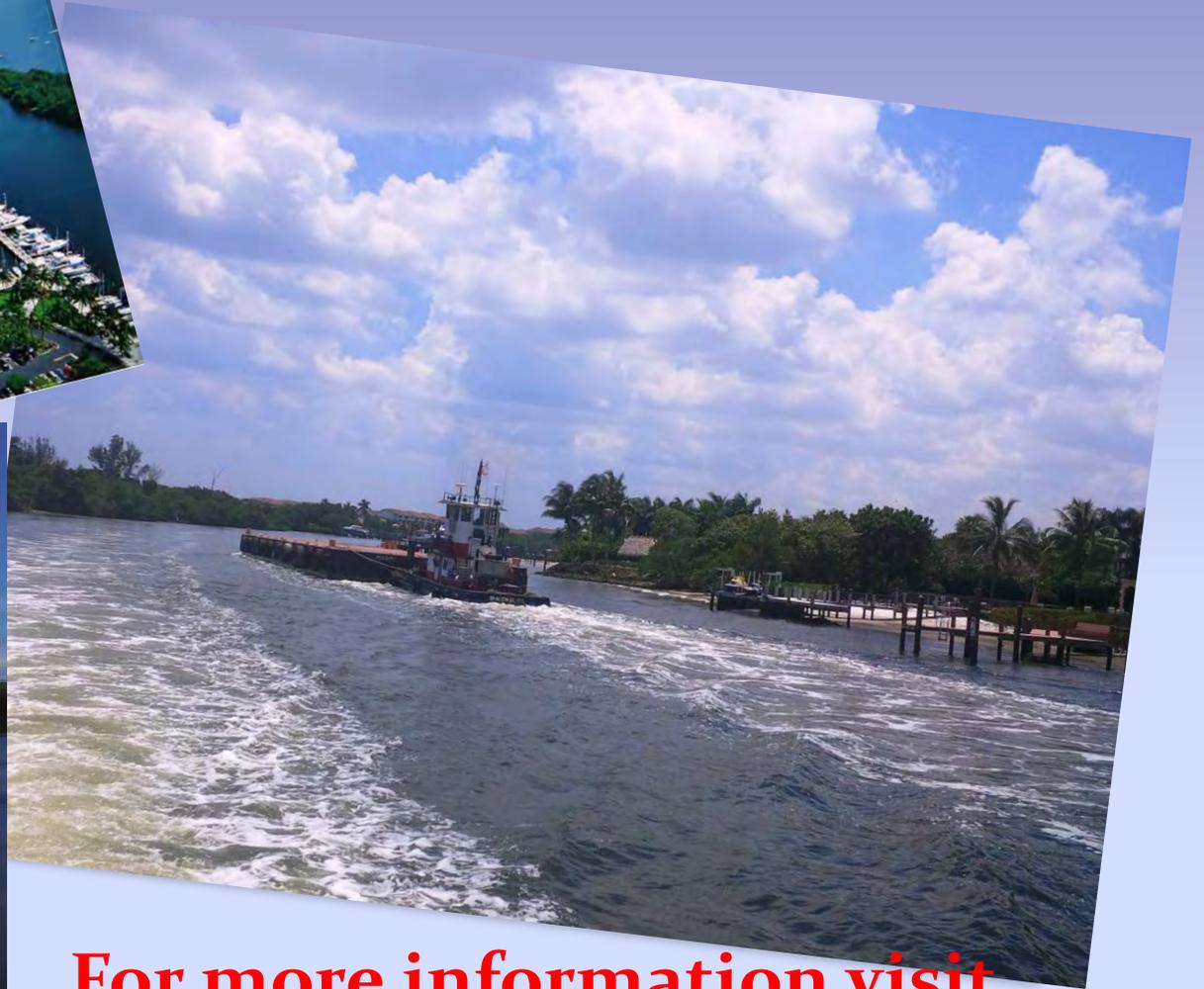
- Continue to support Administration Budgeting and Congressional Funding Pot Appropriations for Waterway with Congressional Delegations
- Evaluate information and advocate for increased funding based on WRRDA 2014 response
- Identify and support partners willing to provide alternative financing and/or become local advocates to support innovative techniques
- Investigate and support any other efforts to increase funding or reduce cost of waterway maintenance (e.g. beneficial use)



# AIWA 2016 Annual Meeting

- November 15-16, 2016 in Norfolk, Virginia
- Will include:
  - U.S. Army Corps of Engineers- AIWW/IWW Update
  - U.S. Coast Guard
  - U.S. DOT Maritime Administration- Marine Highways
  - NOAA Surveying
  - Marine industry representatives in Virginia
  - Local governments and waterway users
  - Additional presentations on *Programmatic Permitting by USACE-Jacksonville District*; and *Innovative Dredged Material Placement by USACE- North Atlantic Division*





**For more information visit  
[www.atlanticintracoastal.org](http://www.atlanticintracoastal.org)**

