

# AAPA HARBOR AND NAVIGATION COMMITTEE

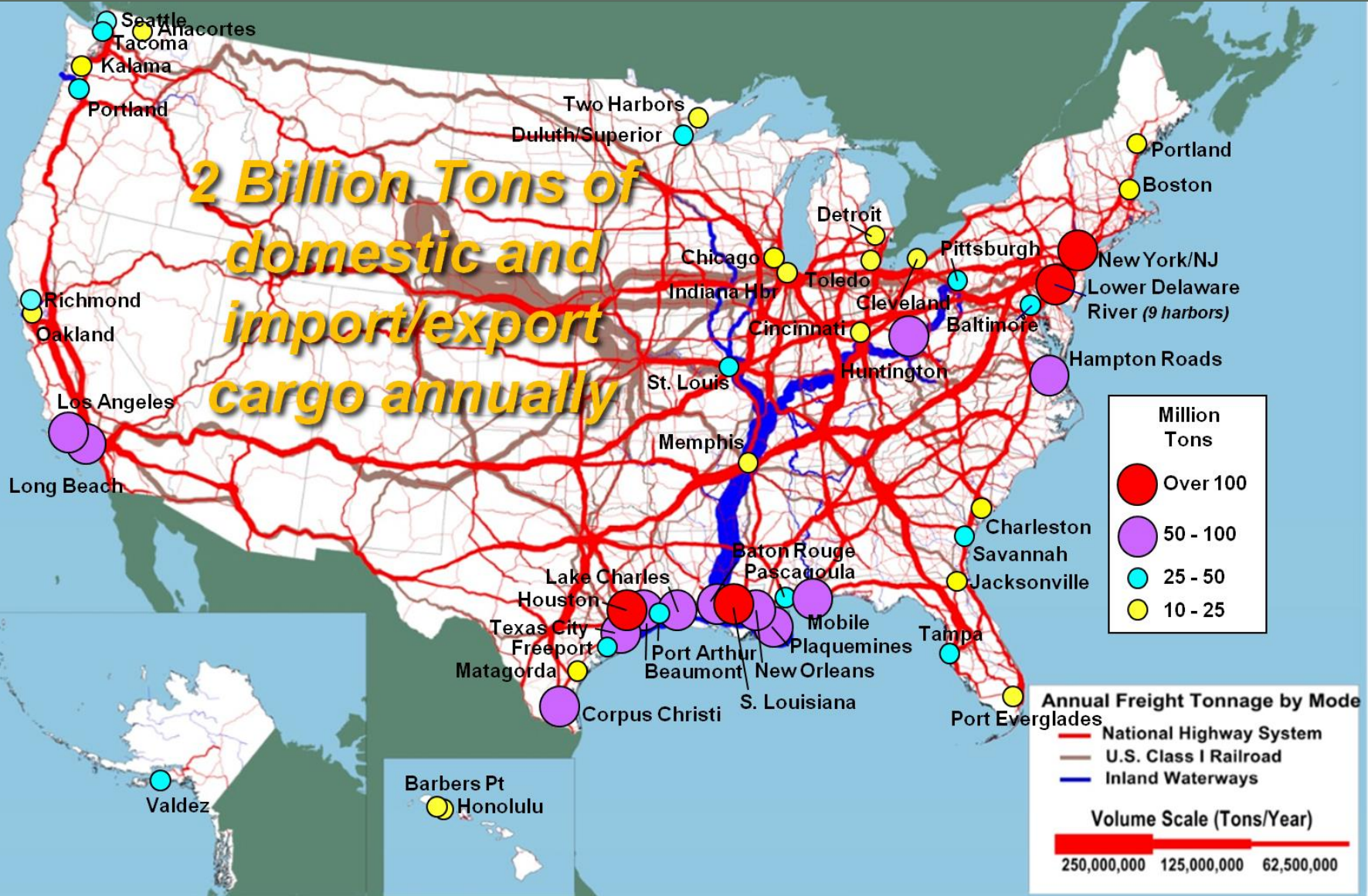
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Division  
HQ U.S. Army Corps of Engineers  
Washington, D.C.  
19 April 2018



US Army Corps  
of Engineers®



# U.S. PORTS AND INLAND WATERWAYS: VITAL TO OUR NATIONAL ECONOMY

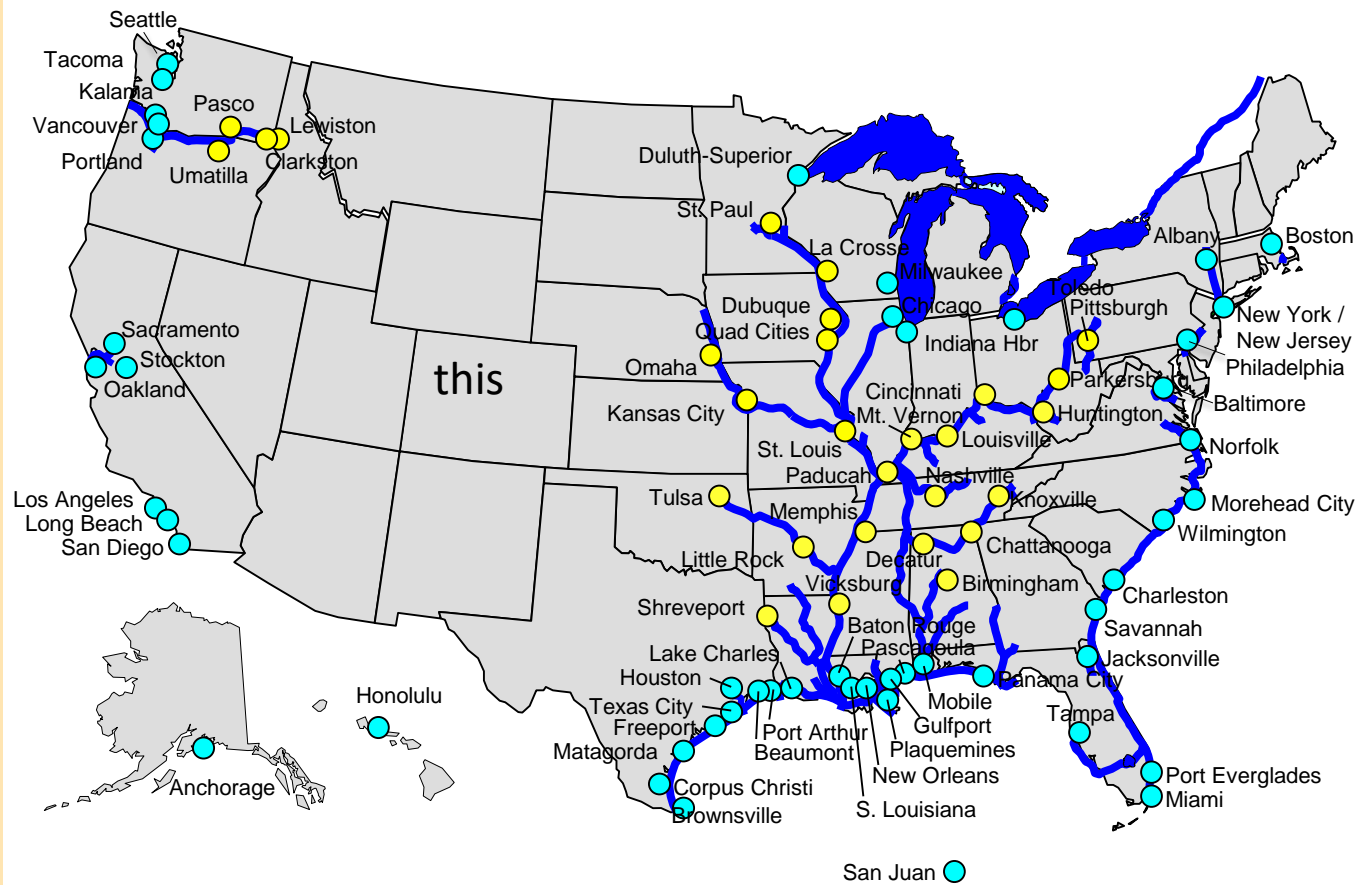




# USACE Navigation System



- U.S. Marine Transportation Industry Supports ~ **\$2 Trillion** in Commerce Annually
- **More than 48%** of Consumer Goods Bought by Americans Pass Through Harbors Maintained by Corps.
- Over **1.3 Billion Short Tons** of Foreign Goods Moved Through U.S. Ports/Waterways in 2015
- Over **900 Million Short Tons** of Domestic Goods Moved Thru U.S. Ports/Waterways in 2015
- **15%** of U.S. Domestic Freight Carried by Water
- **239** Lock Chambers at **193** sites
- **13,000** Miles of Coastal and Deep Draft Channels
- **12,000** Miles of Commercial Inland and Intracoastal Waterways
- **1,067** Coastal, Great Lakes and Inland Harbors
- **40** States are directly served by USACE Channels & Waterways



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



# KEY ITEM UPDATE

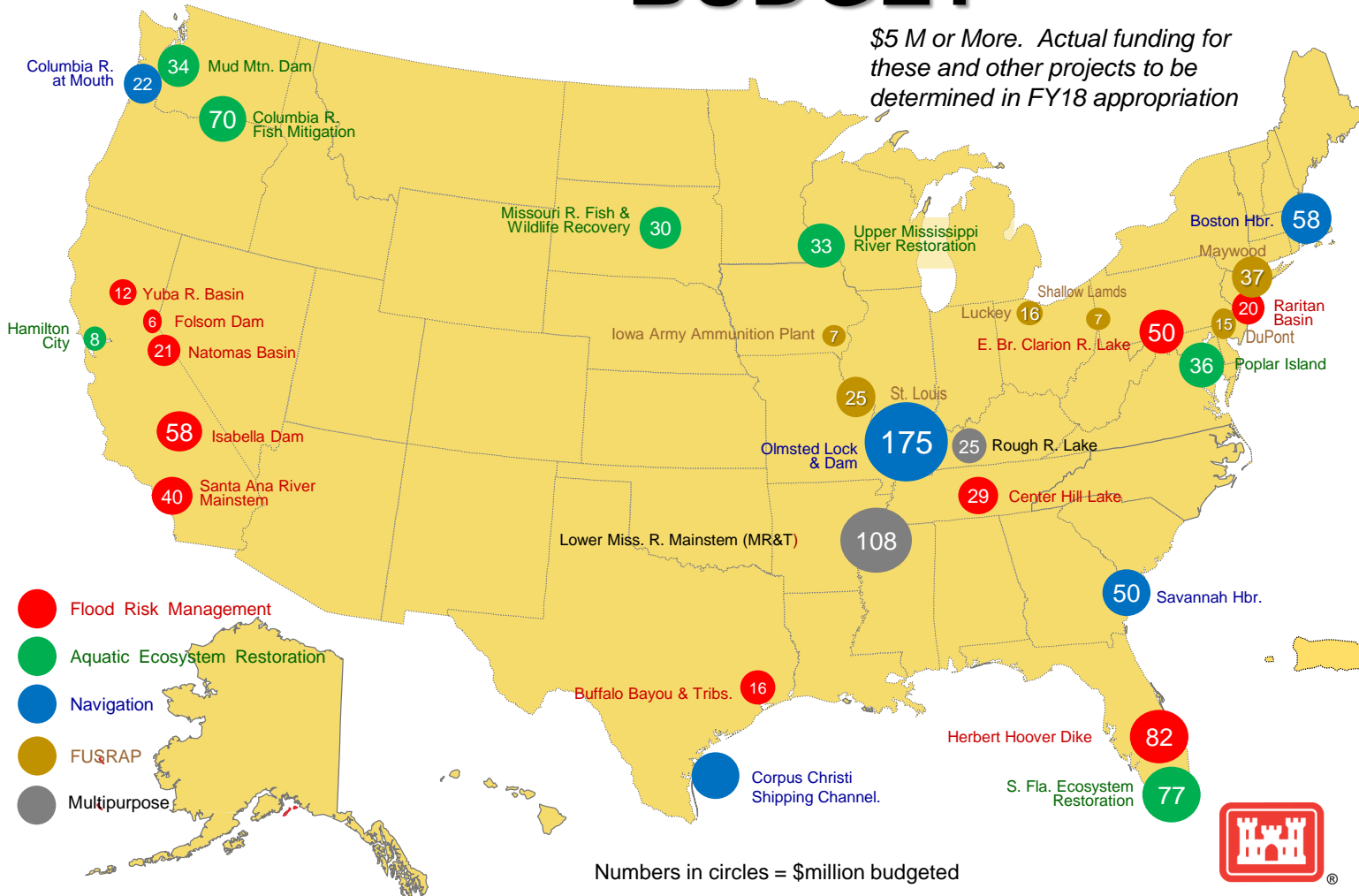


- FY18 Program/ Budget
- One Federal Decision (EO 13807)
- WRDA 2016 Section 1122
- Dredging ...
- Data and Navigation



# CONSTRUCTION PROJECTS FY18 BUDGET

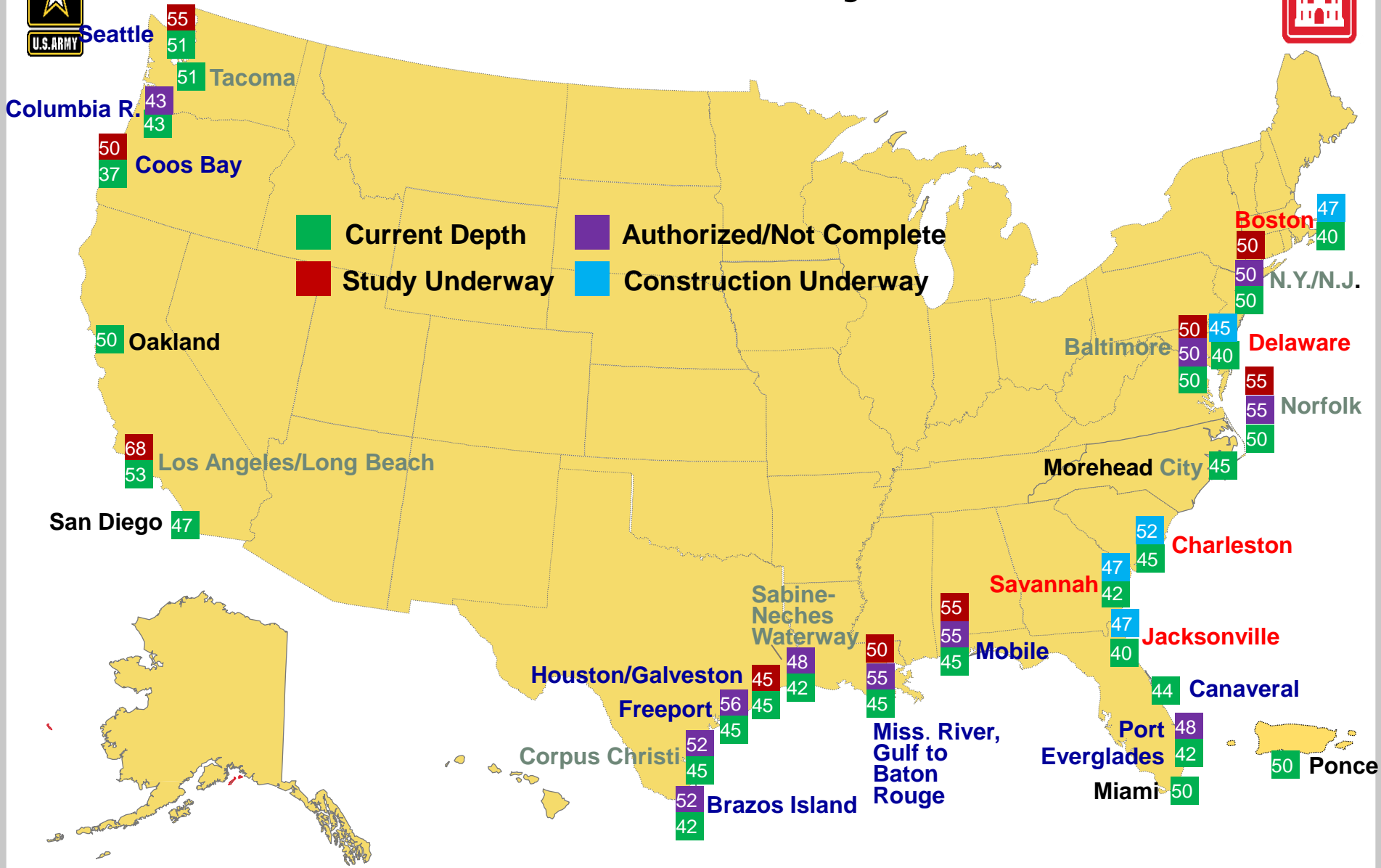
\$5 M or More. Actual funding for these and other projects to be determined in FY18 appropriation



- FY 19 BUDGET**
- Boston Hbr: \$15.1M
  - Savannah Hbr: \$49M
  - Savannah DMP: \$10.5M
  - Olmsted L&D: \$35M
  - Corpus Christi: \$13M
  - Poplar Island: \$21M
  - Columbia RM: \$28M



# Post-Panamax Port Projects/Studies





# Navigation Budget by Account

(\$Millions)

Pres Bud Fiscal Yr	Investigations	Construction	O&M	MR&T	Total Nav	
FY 19	\$14	\$176	\$1,706	\$33	\$1,930	
FY 18	\$19	\$310	\$1,717	\$52	\$2,098	
FY 17	\$22	\$348	\$1,527	\$37	\$1,934	
F	<b>FY18 Work Plan:</b>			<b>+</b>	<b>\$ 846,810,000</b>	17
F	Navigation O&M General			\$ 24,280,000		25
F	Deep Draft Hrbrs & Chnls			\$ 341,400,000		34
F	Inland Waterways			\$ 30,000,000		17
F	Small Remote & Subsistence			\$ 50,000,000		15
F	Donor & Energy Transfer Ports			\$ 40,000,000		13
F	Other Authorized Purposes			\$ 24,000,000		17
F	Navigation Construction			\$ 337,130,000		



# EO 13807: ESTABLISHING DISCIPLINE AND ACCOUNTABILITY IN THE ENVIRONMENTAL REVIEW AND PERMITTING PROCESS FOR INFRASTRUCTURE PROJECTS (2017)



“One of the driving forces behind my interest in accepting this position was a desire to identify and implement opportunities and procedures that will improve the U.S. Army Corps of Engineers’ ability to work better with other federal agencies to move dirt and get results for the nation.”

Honorable RD James,  
Assistant Secretary of the  
Army for Civil Works

## KEY PROVISIONS:

- Establish a Lead Federal Agency for the Complete Process.
- Commitment to Meeting the Lead Federal Agency’s Permitting Timetable.
- Commitment to Conduct the Necessary Review Processes Concurrently.
- Automatic Elevation of Interagency Disputes.





# SECTION 1122 OF WRDA 2016 BENEFICIAL USE OF DREDGED MATERIAL PILOT PROGRAM



- Section 1122 of WRDA 2016 directs the Corps of Engineers to establish a pilot program consisting of 10 projects for the beneficial use of dredged material.

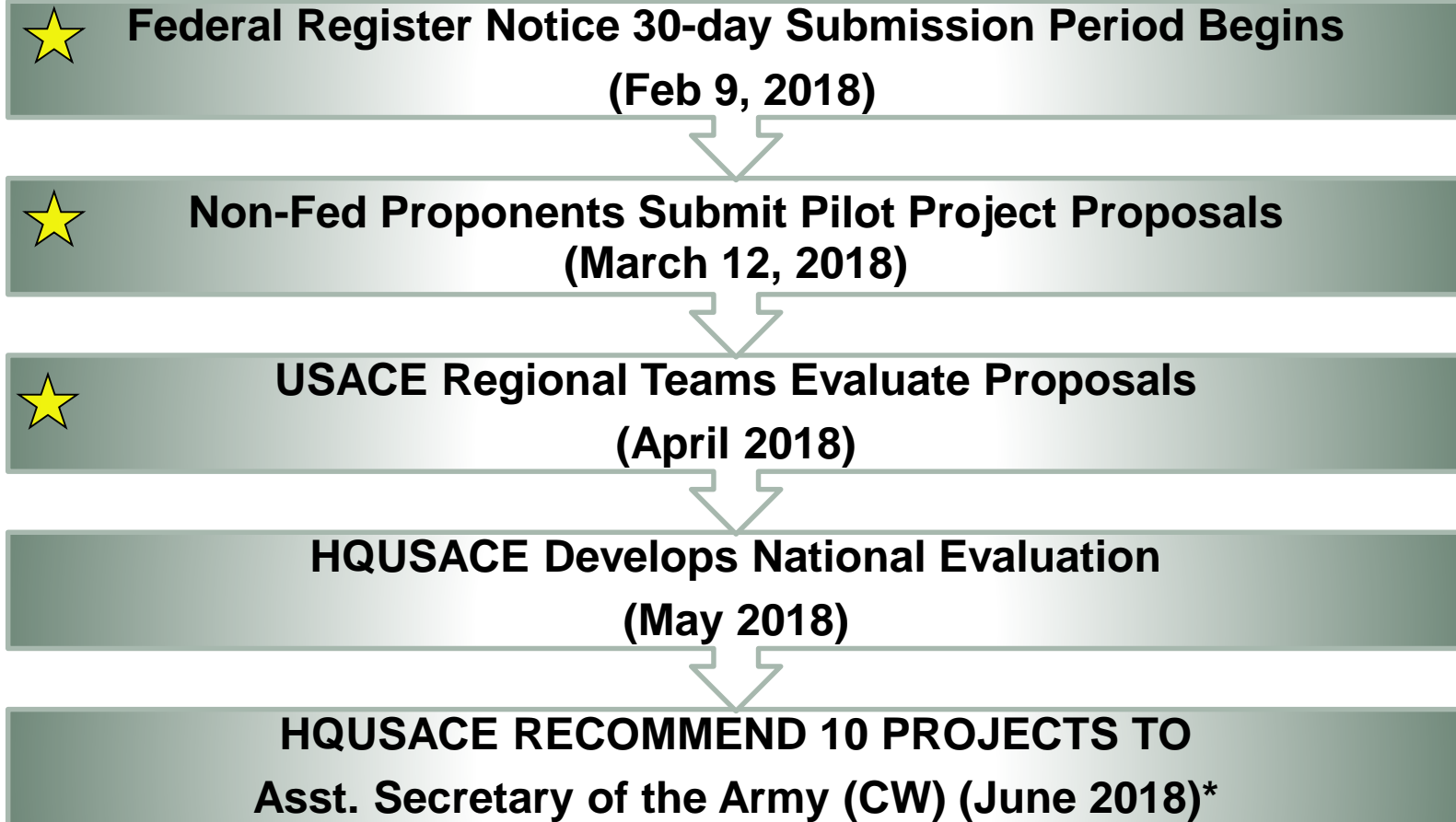
*“...the Secretary shall carry out the pilot program in a manner that...”*

- **Maximizes the beneficial placement** of dredged material from Federal and non-Federal navigation channels;
- **Incorporates**, to the maximum extent practicable, **2 or more** Federal navigation, flood control, storm damage reduction, or environmental restoration projects;
- Coordinates the mobilization of dredges and related equipment, including **through the use of such efficiencies in contracting and environmental permitting as can be implemented under existing laws and regulations**; **Fosters** Federal, State, and local **collaboration**;
- **Implements best practices** to maximize the beneficial use of dredged sand and other sediments;
- Ensures that the use of dredged material is **consistent with all applicable environmental laws**.





# SECTION 1122 OF WRDA 2016 PILOT SELECTION PROCESS TIMELINE



\*Note WRDA 2016 is an authorizing document and does not provide appropriations for the execution of the 10 selected projects. Implementing those projects will require separate appropriations by Congress and is not guaranteed.



# WRDA 2016, SECTION 1122 PILOT PROGRAM FOR BENEFICIAL USE OF DREDGED MATERIAL

As of 19 April 2018:

95 Proposals Received by the 12 March 2018 deadline.

State	Number of Proposals	State	Number of Proposals	State	Number of Proposals
Alabama	3	Kansas	2	North Carolina	3
Alaska	1	Louisiana	13	Ohio	2
California	7	Maine	1	Pennsylvania	1
Connecticut	1	Maryland	3	Puerto Rico	1
Florida	9	Massachusetts	2	South Carolina	2
Georgia	2	Minnesota	5	Texas	7
Hawaii	1	Mississippi	3	Virginia	5
Illinois	3	Missouri	1	Washington	8
Indiana	1	Nebraska	1	Wisconsin	1
Iowa	2	New Jersey	3	Wyoming	1

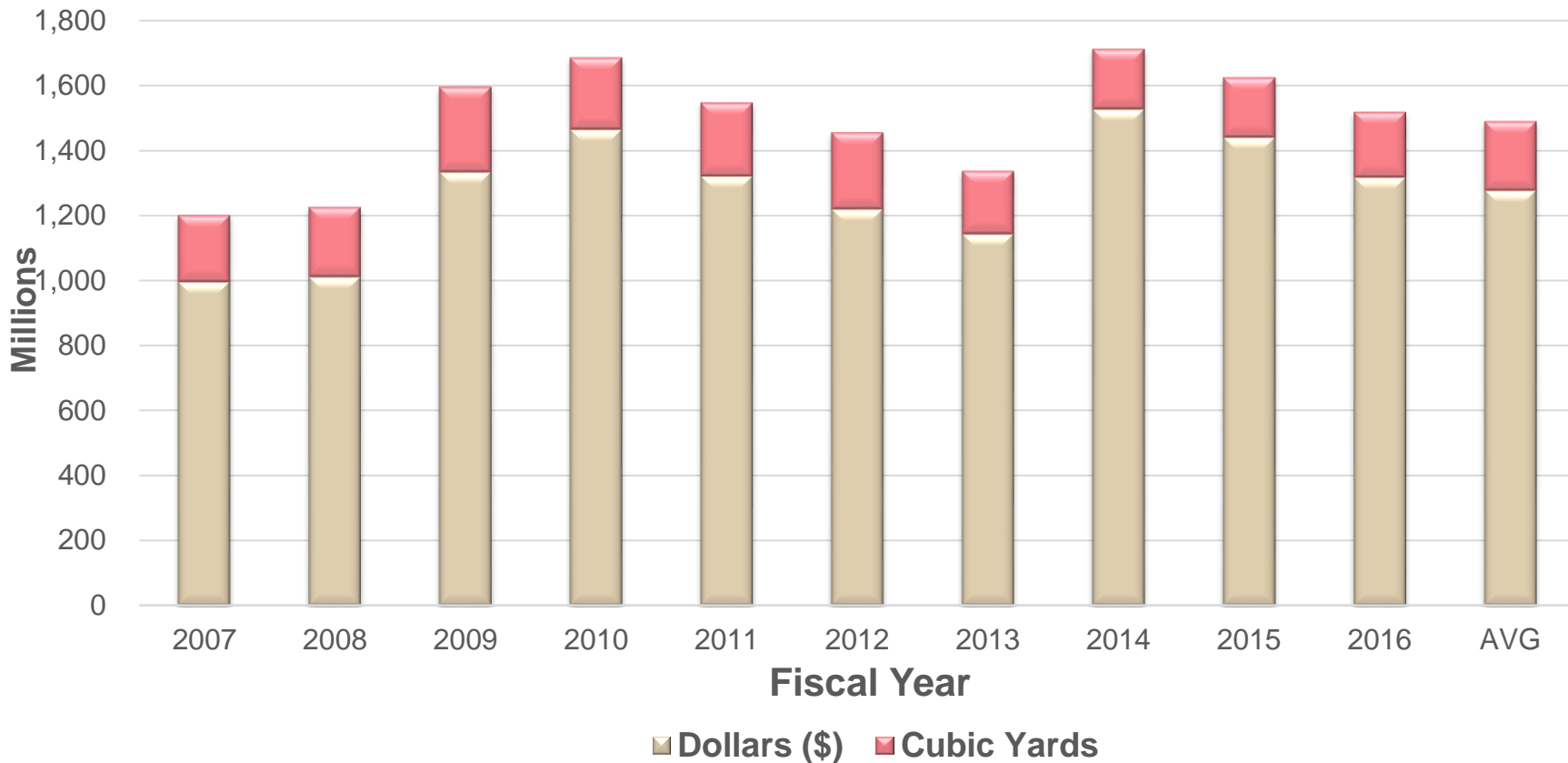
- 40% Riverine, 60% Coastal Waters
- Majority of the projects are either beach nourishment or environmental restoration



# National Dredging Program Trends



## Total Dredging FY 2007-2016

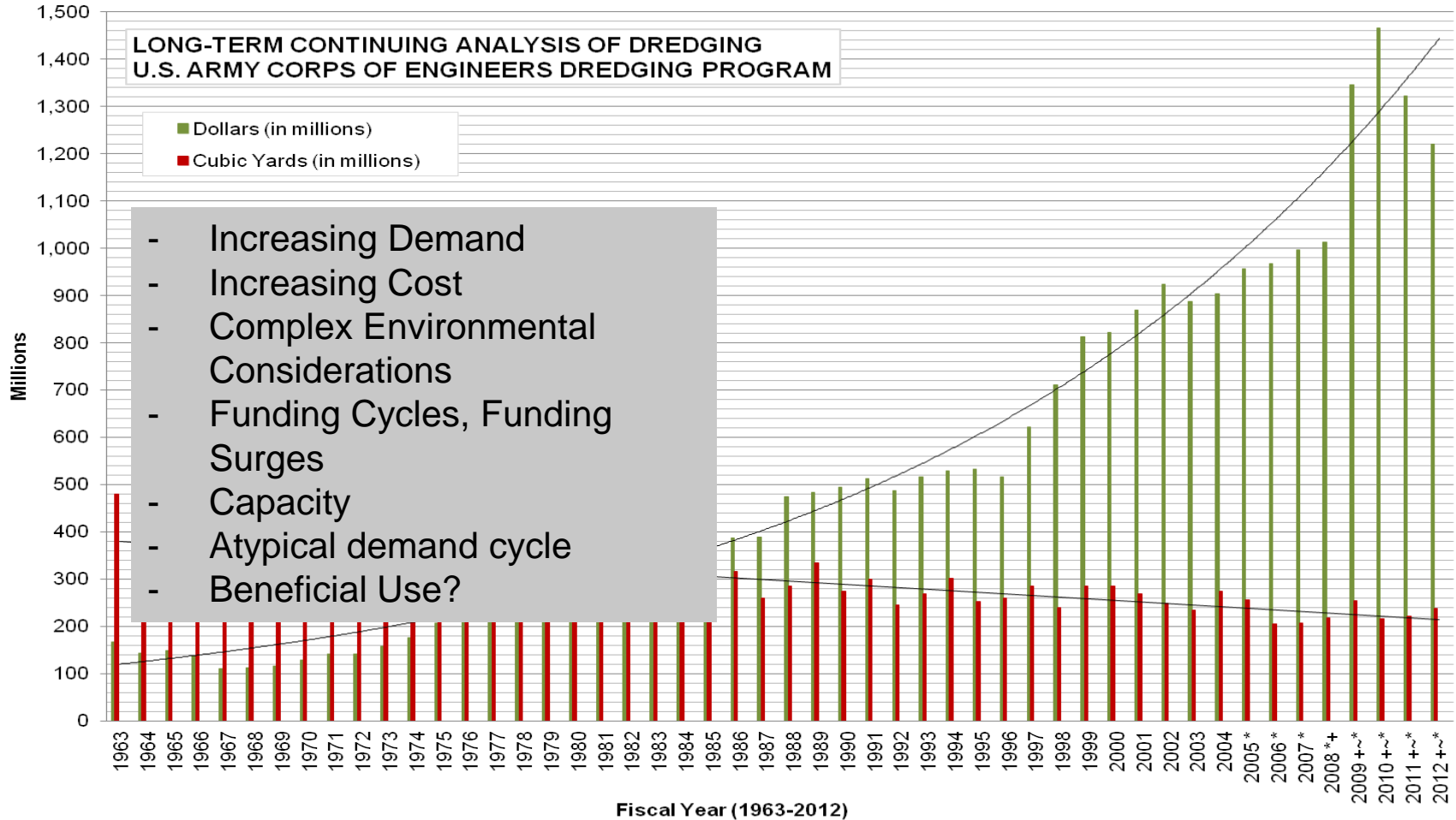


**Fiscal Year 2016 Total Dredging: 202 MCY @ \$1,318 Million (~\$6.51/CY)**

<i>Maintenance Work:</i>	<b>186 MCY (92%) @ \$1,036 Million (79%)</b>
<i>Hurricane Sandy &amp; Emergency:</i>	<b>11 MCY ( 5%) @ \$ 191 Million (14%)</b>
<i>New Work:</i>	<b>6 MCY ( 3%) @ \$ 91 Million ( 7%)</b>



# CHALLENGES TO NAVIGATION DREDGING

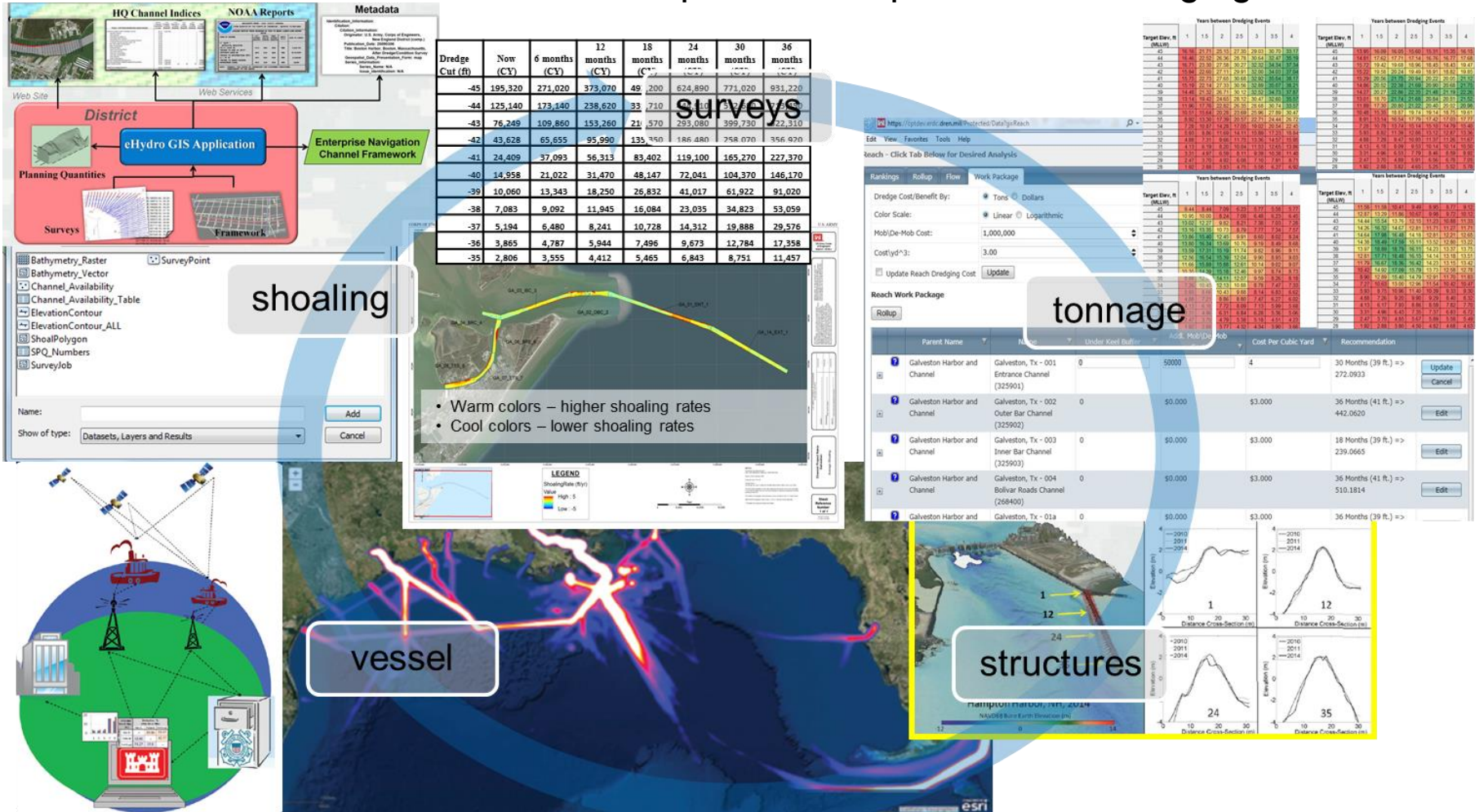


\* Includes PL 84-99 and FY 05 Hurricane Katrina Supplemental (PL 109-062) amounts  
 + Includes Hurricane Supplemental Work (HSW) amounts  
 ~ Includes ARRA amounts

Source Data: <http://www.navigationdatacenter.us/db/dredging/ddcost/>

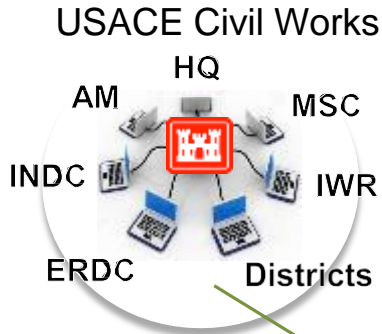
# What Can We Do Differently

- Direct, quantitative comparisons of vessel drafts and associated cargo relative to maintained channel depths and requisite O&M dredging costs.



# Navigation and Data Integration

Building the USACE Vision for Using Data in Support of the Navigation Mission.



Navigation Partners and Navigation Industry



Mariner

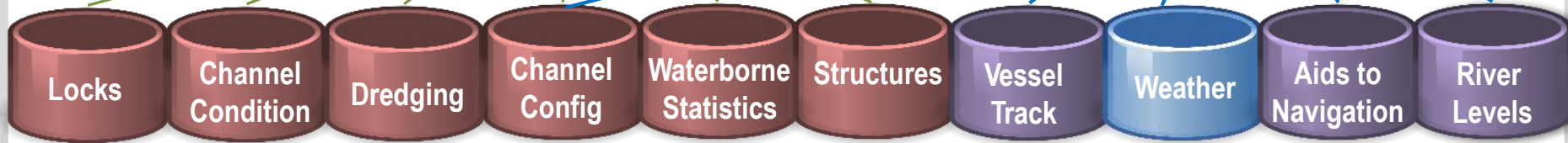


CWIF-D  
Budget data for all business lines

Acquisition, management, integration, visualization, and analysis of all operational data in support of all Civil Works missions



Real time navigation information for the mariner for safe, reliable, efficient, effective and environmentally sustainable waterborne transportation.



LPMS

eHydro

DIS  
RMS  
DQM  
RSM

IENC

TOWS

Master Docks  
CEBIS  
OMBIL/NPP

AIS  
(USACE/  
USCG)

NOAA

USCG  
NTNI

CWMS  
USGS  
NOAA



US Army Corps of Engineers





# Civil Works: Focus on Delivery



- Embrace and Operationalize Risk-Informed Decision Making
- Make, Justify and Document Decisions at the Most Appropriate Level
- Synchronize Headquarters Functions to Support MSC and District Project Delivery
- Integrate and Synchronize Agency Policy and Guidance
- Incorporate Social and Environmental Benefits into Project Formulation, Design and Implementation





# CLOSING THOUGHTS



- Strategic Opportunity from the focus of the Administration, the support of the Congress, and the growing recognition of the challenges to our infrastructure
- Chief of Engineers #1 PRIORITY: DELIVER THE PROGRAM
- ASA (CW) guidance: “Move Dirt”
- The Corps Doesn’t Deliver Anything by Itself... Critical that We Not Lose Focus on Our Partners, Stakeholders, and Our Commitments



# THANK YOU

