

WATERWAYS COUNCIL, INC

2021 Waterways Symposium

November 3, 2021

Regional Overview: Dredging, NESP and Infrastructure

Edward E. Belk, Jr PE

Director of Programs

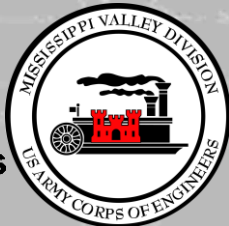
Mississippi Valley Division

Mississippi River Commission

Vicksburg, Mississippi



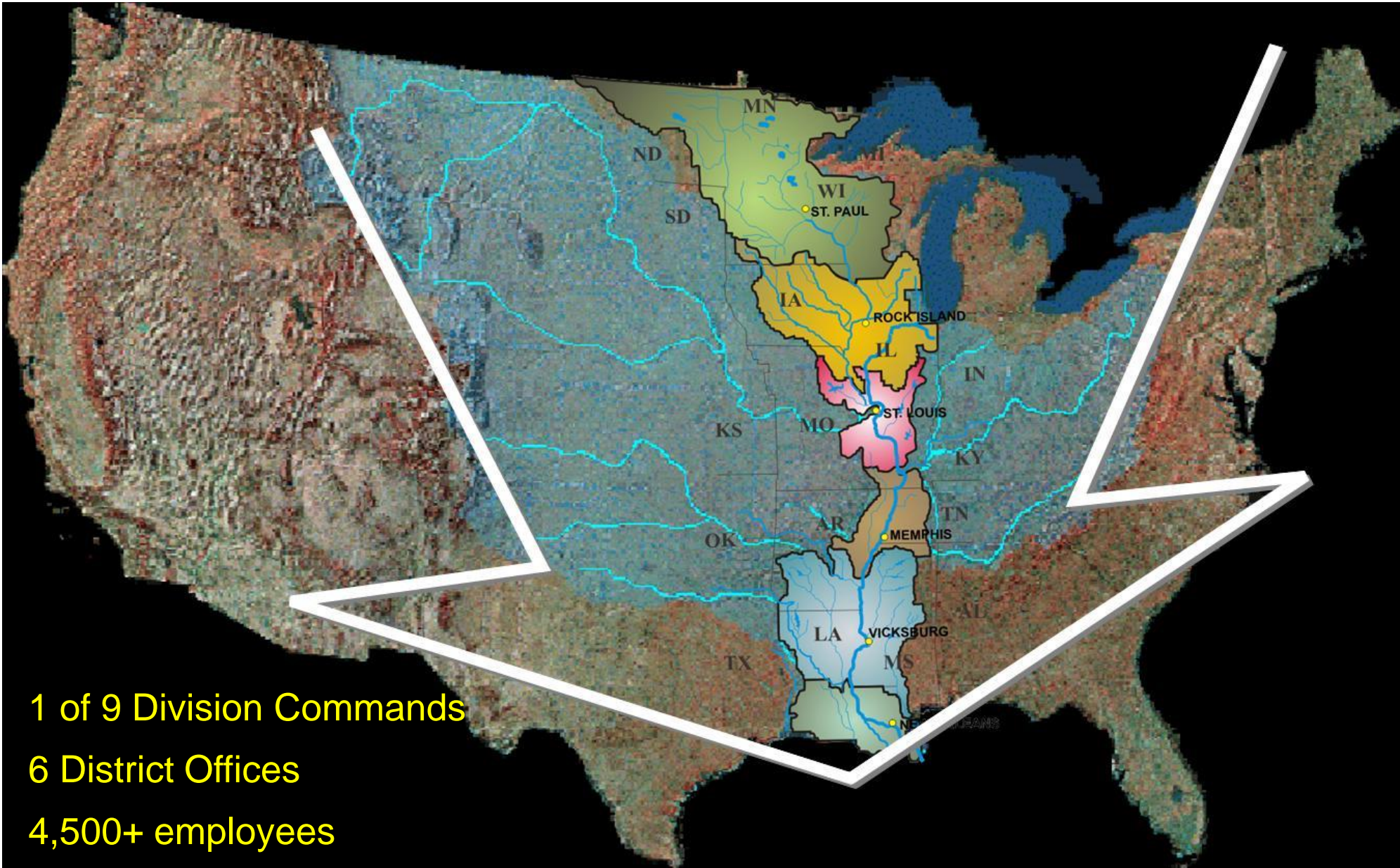
US Army Corps
of Engineers®





Mississippi Valley Division (MVD)

2



1 of 9 Division Commands

6 District Offices

4,500+ employees





Regional Division and District Leadership



MVD

MG Diana Holland
Commanding General



MVD

Mr. Eddie Belk
Director of
Programs
(601) 634-5800



MVD

Mr. Jim Bodron
Director of Regional
Business
601-634-5901

ST. PAUL
COL Karl
Jansen
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ST. LOUIS
COL Kevin
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COL Robert
Hilliard
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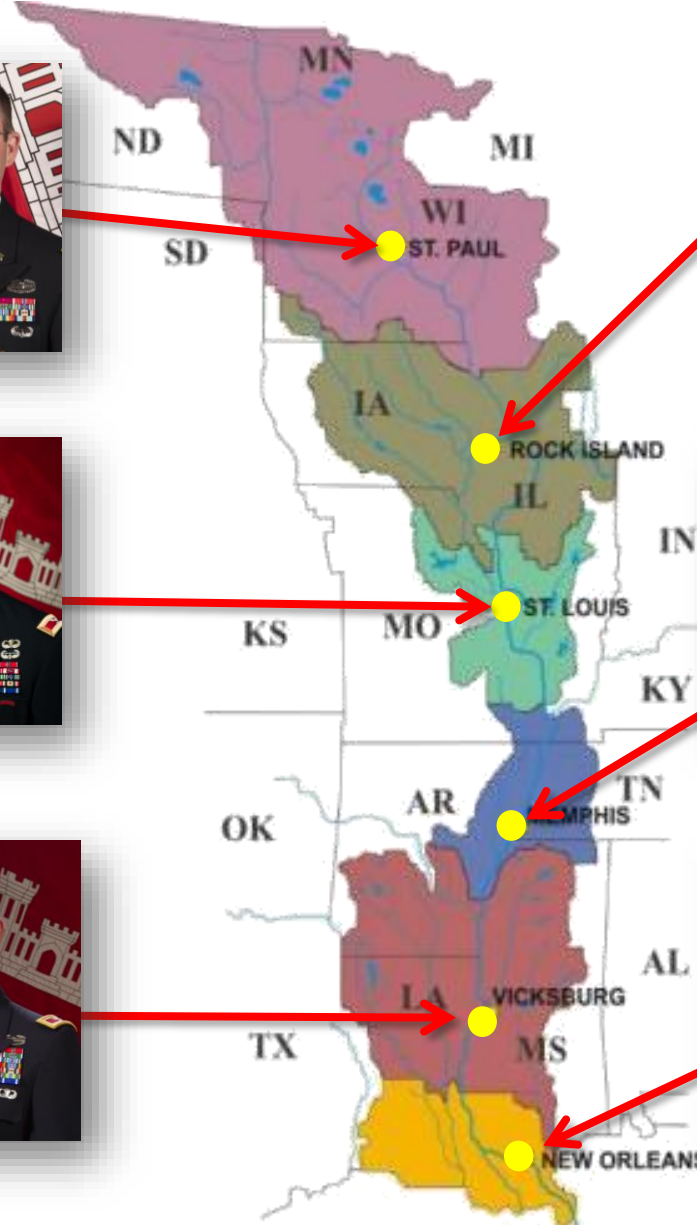
ROCK ISLAND
COL Jess
Curry
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MEMPHIS
COL Zachary
Miller
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NEW ORLEANS
COL Stephen
Murphy
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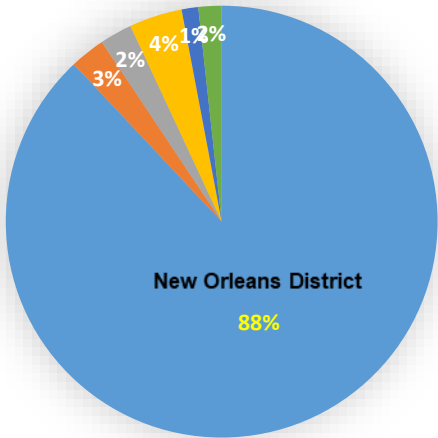




Regional Dredging Overview

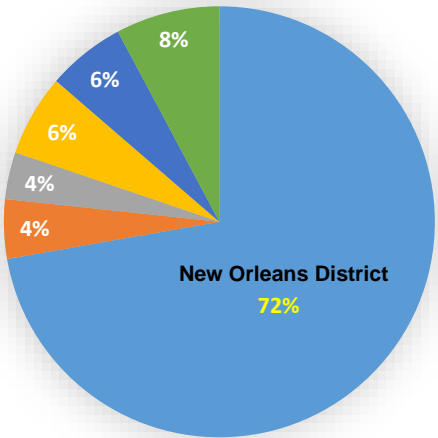


5 YEAR AVERAGE BY YARDAGE (2016-2020)



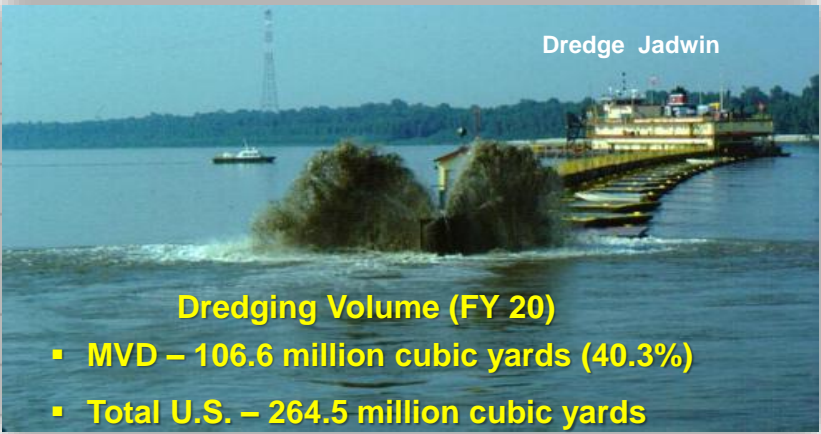
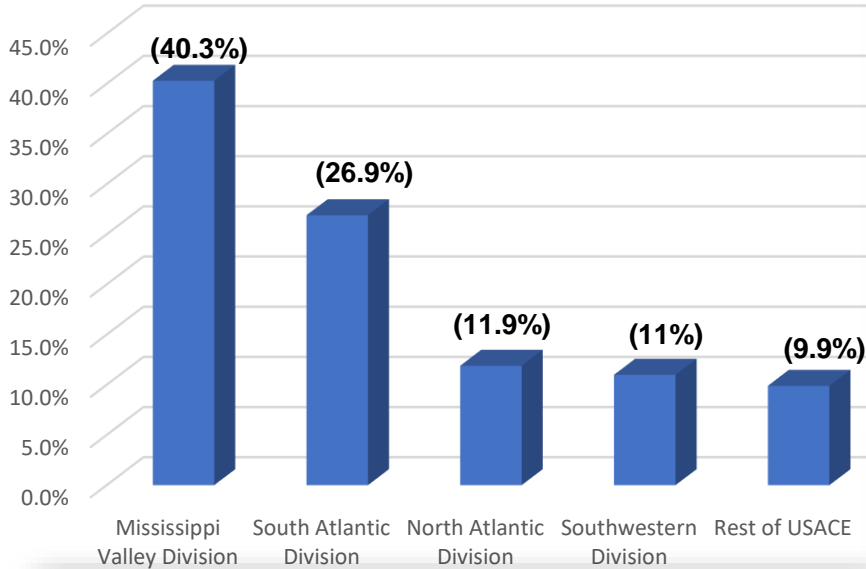
■ MVN ■ MVK ■ MVM ■ MVS ■ MVR ■ MVP

5 YEAR AVERAGE BY COST (2016-2020)



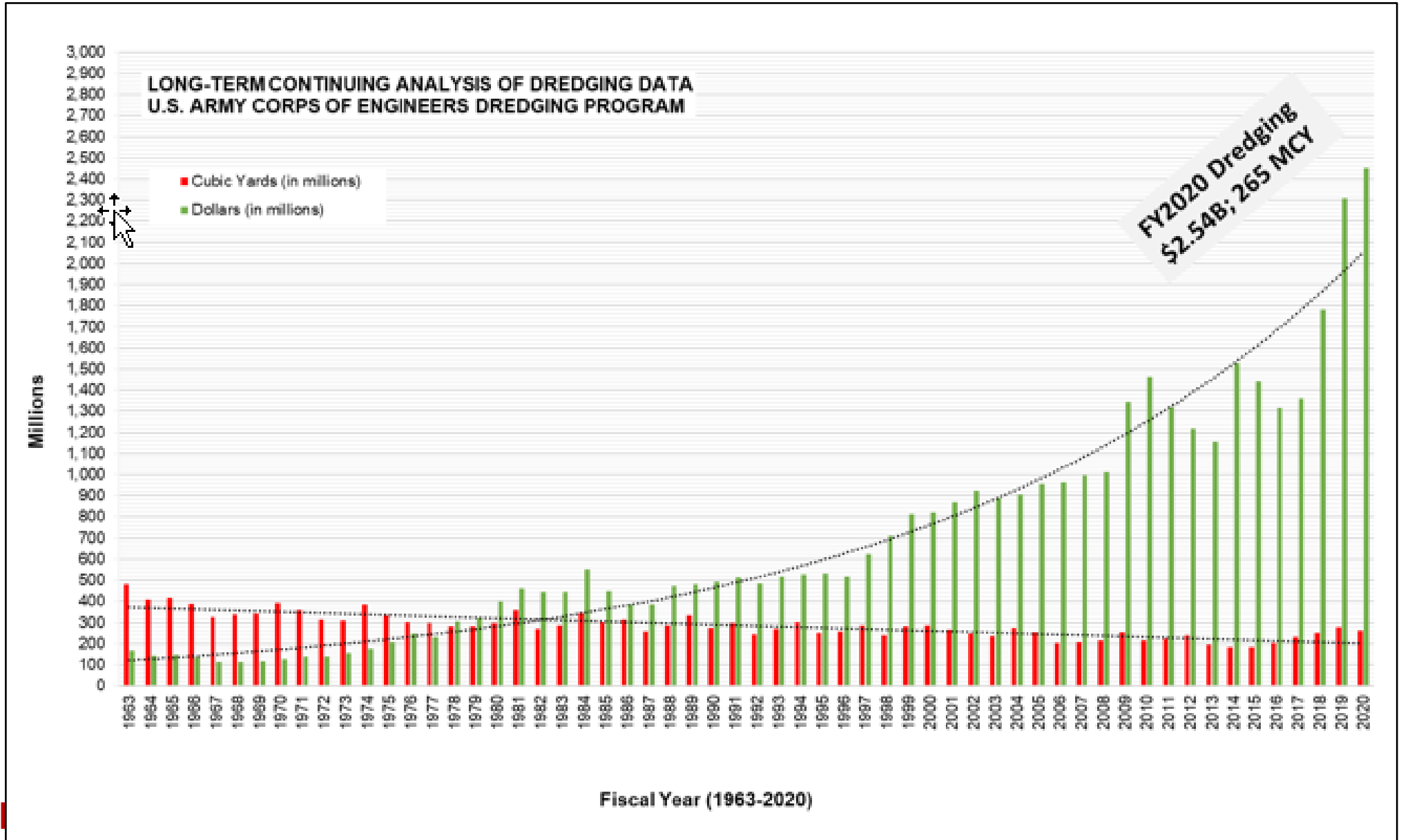
■ MVN ■ MVK ■ MVM ■ MVS ■ MVR ■ MVP

FY20 National Dredging Volume (264.5 MCY)





Challenges: Dredging Cost Growth



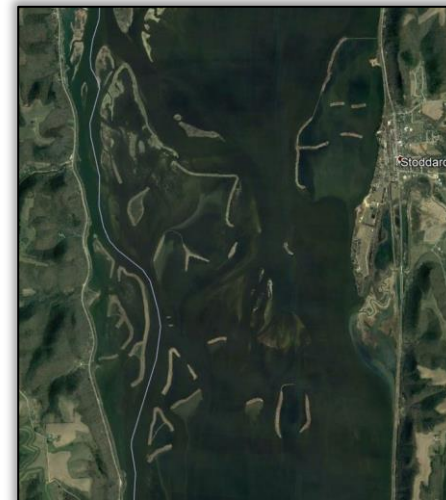
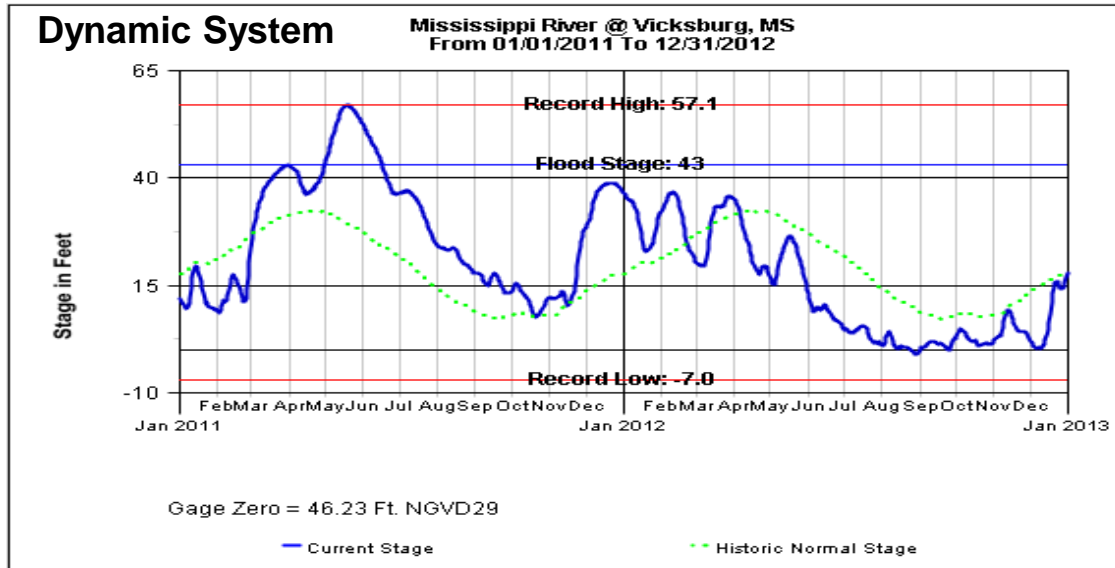
BUILD



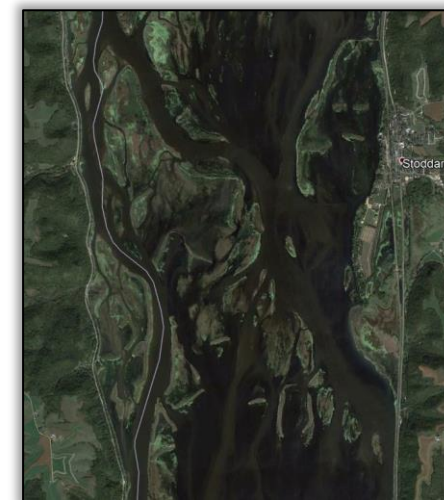
Regional Shallow Draft Challenges



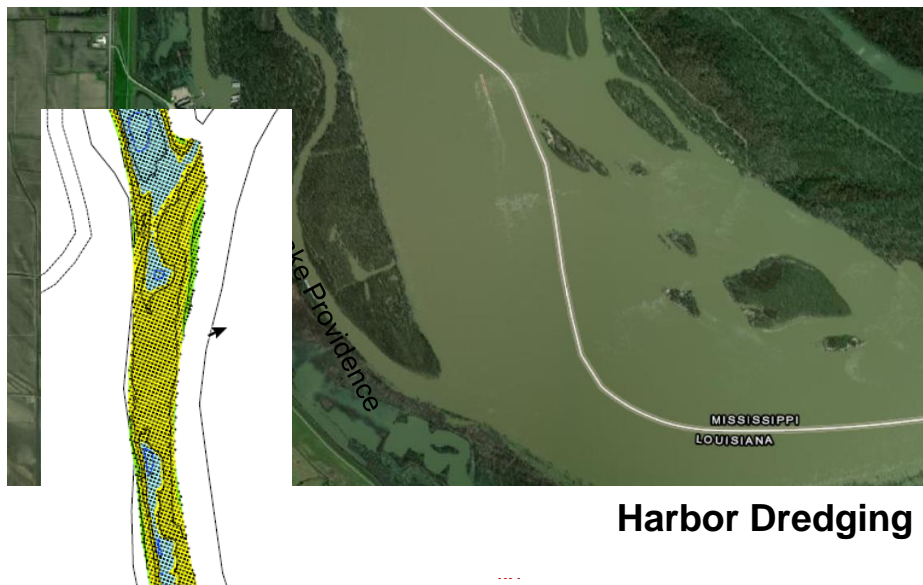
Dredge Material Management Plans, Including Federal Standard



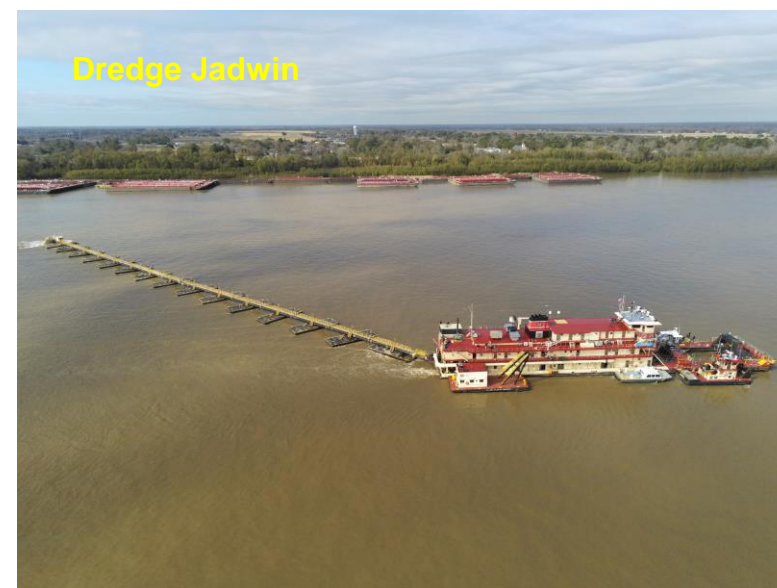
Lower Pool 8 - 2015



Lower Pool 8 - 2021



Harbor Dredging



Dredge Jadwin

Victoria
Bend
Winchester
Redman
Bar
Josie Harry -
Armstrong
Stack
Island





Key Regional Highlights

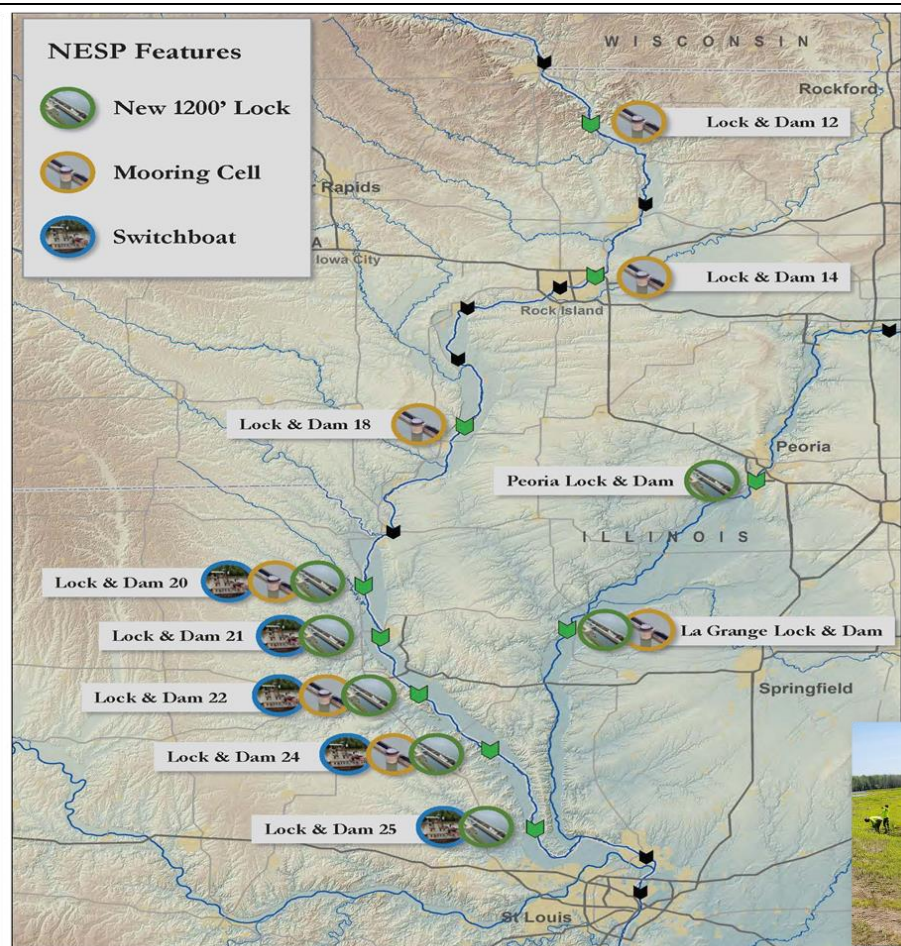
Navigation and Ecosystem Sustainability Program (NESP)

- ✓ Delivers a More Reliable, Resilient and Efficient System
- ✓ Increases Capacity and Provides Redundancy
- ✓ **Ready to Compete for Construction New Start**
- ✓ Initial Priorities: L&D 25; Alton Pool & Twin Islands Ecosystem Work
- ✓ Creates Up to 10,000+ High Paying Construction Jobs

Feel Free to Check Out the March 19, 2021 WCI Capitol Currents Newsletter for More About NESP...



Or You Can Go To: <https://www.mvr.usace.army.mil/Missions/Navigation/NESP.aspx>



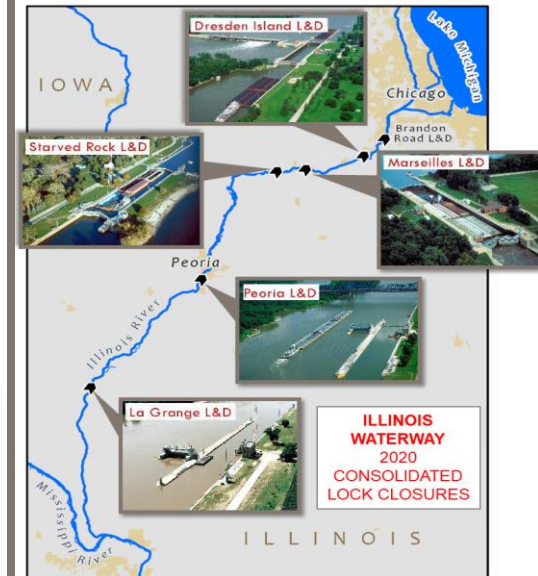
Gulf Regional Dredge Demo Prog



- ✓ Fully Funds Deepening of Mississippi River Deep Draft Channel to 50'
- ✓ Deepening Initiated Sep 2020
- ✓ **Improves Efficiency and Makes Midwest Grain More Competitive in Global Markets**
- ✓ Should Expand Midwest Catchment Area for Waterborne Movement of Grain
- ✓ Multi-Year Construction and Maintenance Funding
- ✓ Enables More Innovative Dredge Acquisition and More Efficient Project Bundling

Illinois Waterway Consolidated Closure

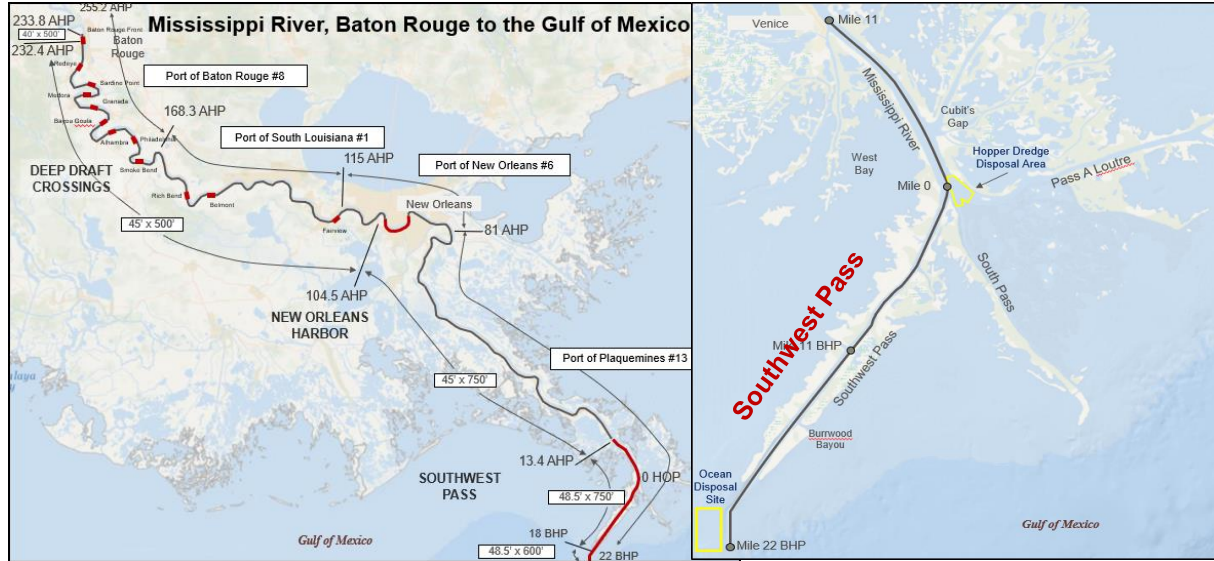
- ✓ Completed On Schedule in Oct 2020, within Budget
- ✓ Significantly Upgraded and Improved Aging Locks
- ✓ Worked at 5 Sites Concurrently, with 4 Locks Requiring Dewatering
- ✓ Navigation Industry a Critical and Vital Partner for Success
- ✓ **Next Consolidated Closure Window Planned for 2023**





U.S. ARMY

High Water Shoaling

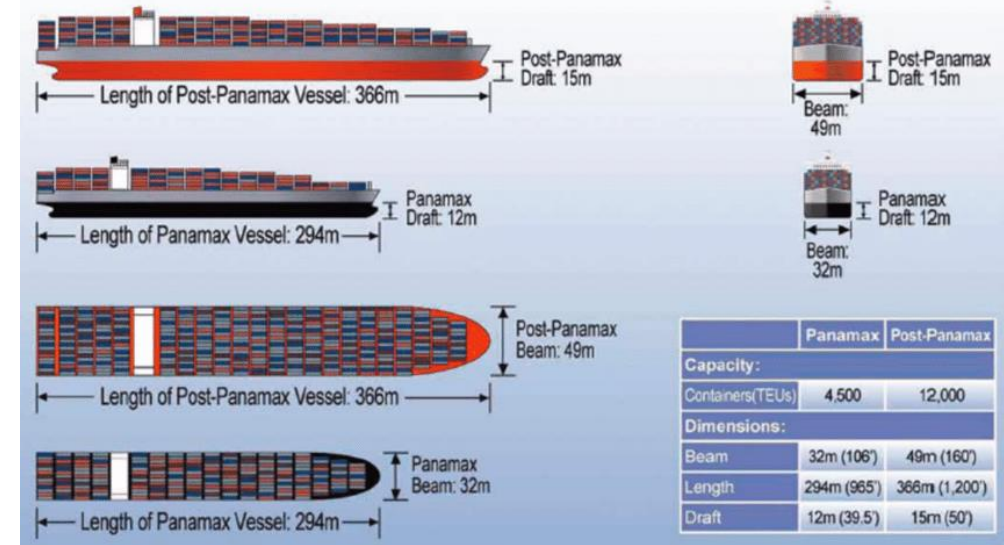


Regional Deep Draft Challenges

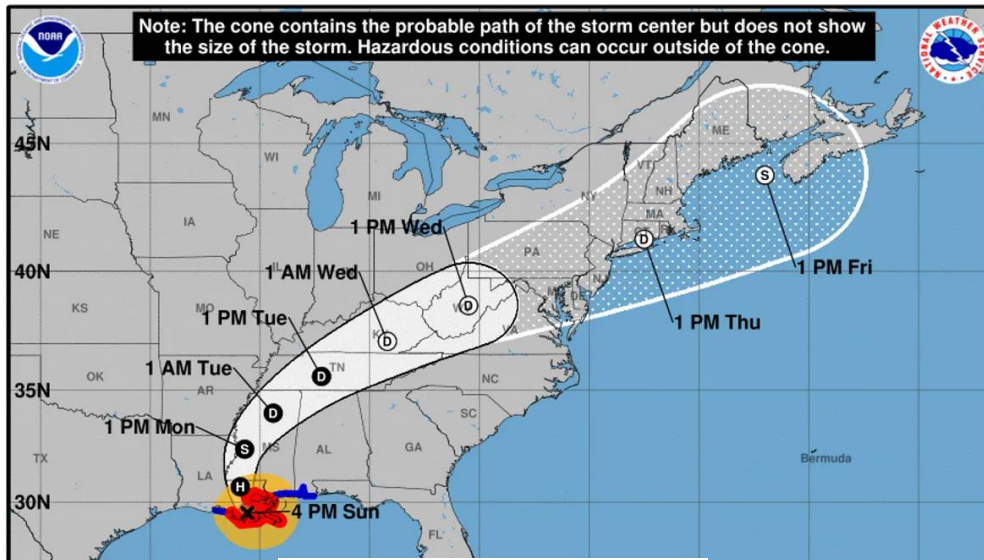
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Increasing Ship Sizes



Natural Disaster



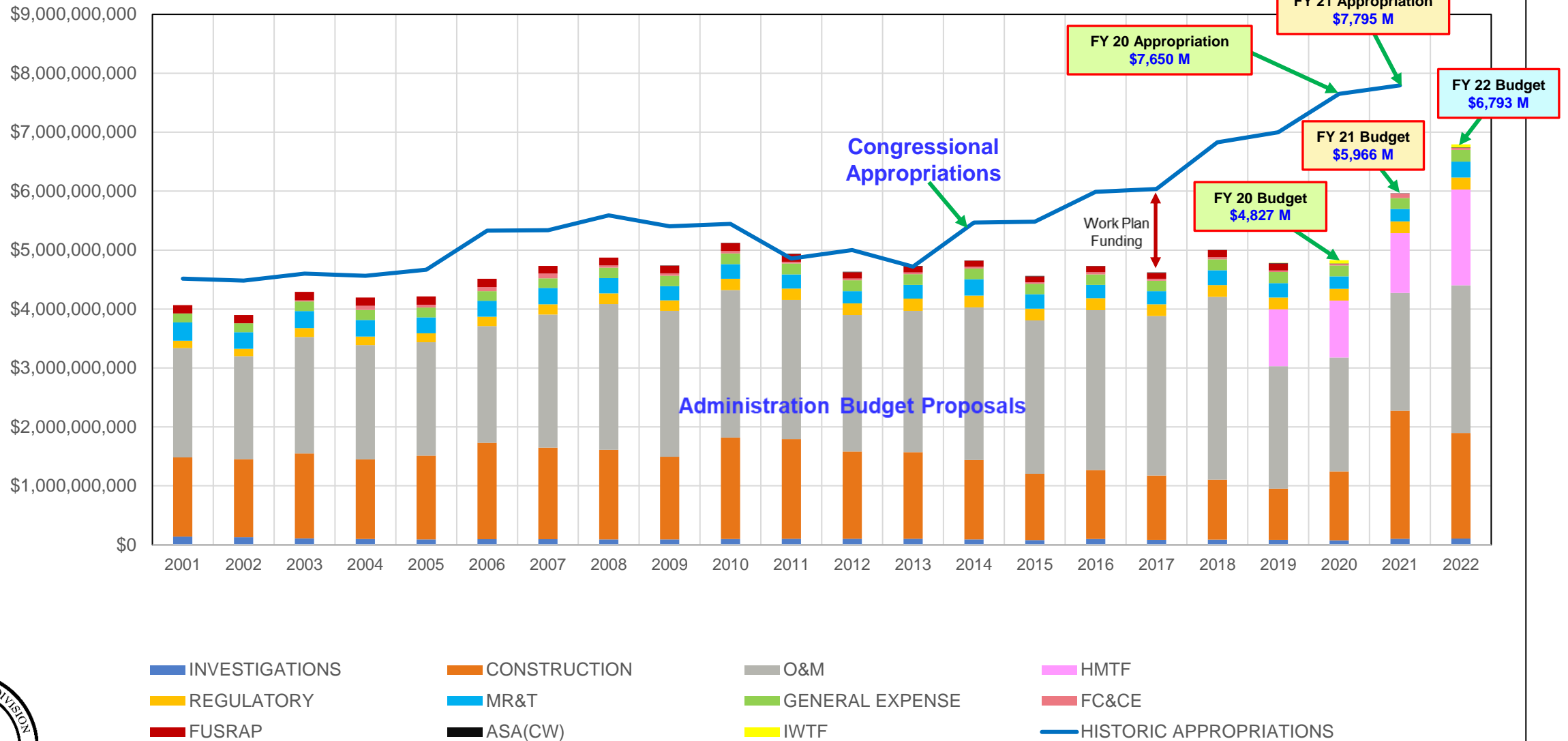
Disposal of Dredged Material.... More Beneficial Use Opportunities





CIVIL WORKS INVESTMENT TRENDS

(Excludes Supplemental Funding)

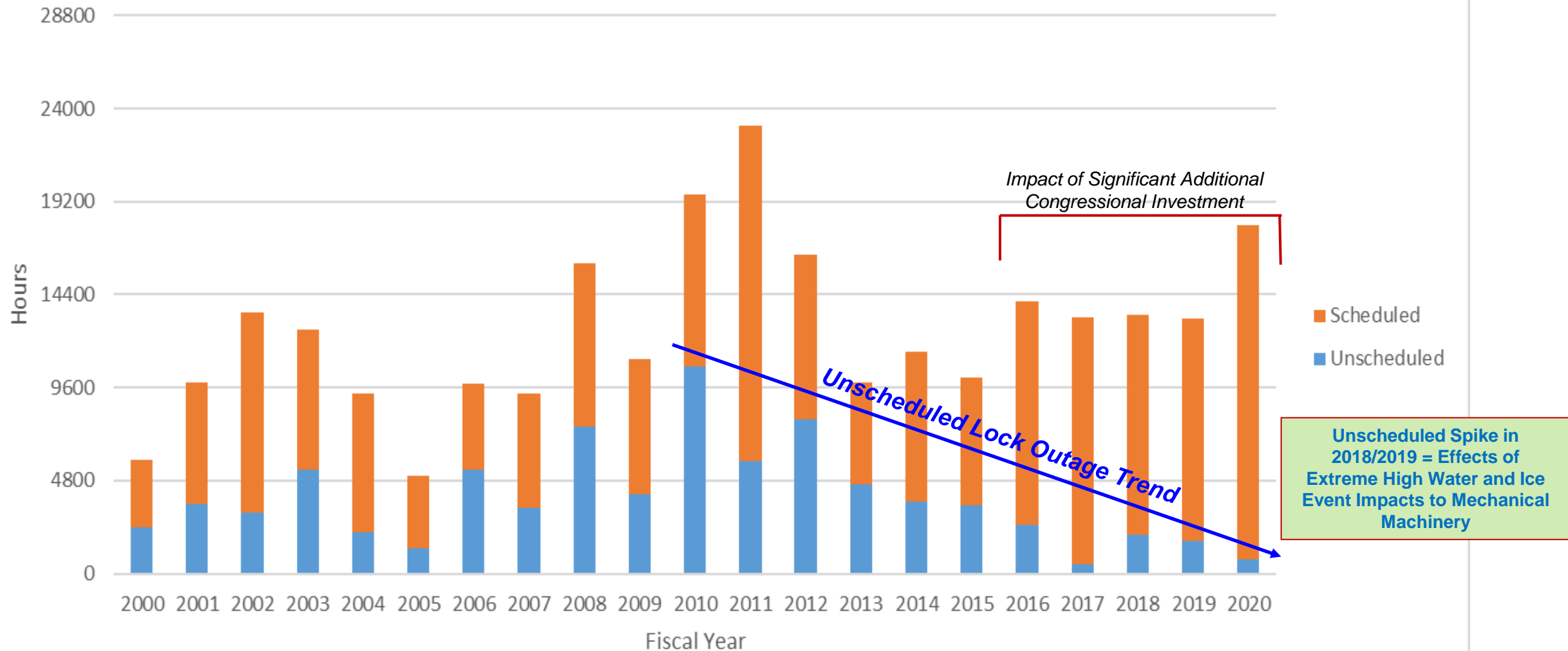




National Navigation Lock Portfolio Service Trends

Main Chamber Unavailable Hours

(Events Longer Than 1 Day)





Infrastructure Investment Outlook

11



DRSAA – Disaster Relief Supplemental Appropriations Act, 2022

(\$5.711B)

- ✓ **Public Law 117-43, Enacted 30 Sep 2021**
 - Hurricane Ida Eligibility: Four (4) Ida Impacted States (LA, PA, NJ, NY)
 - Other States Unspecified; Heavy Flood Risk Management (FRM) Focus
- ✓ **Investigations: \$100M**
 - Hurricane Ida impacted states
 - Completion at 100% Federal cost
- ✓ **Construction: \$3B**
 - \$1.5B Must Go to Hurricane Ida Impacted States
 - Section 902 of WRDA 1986 Not Applicable
 - Complete “**Ongoing**” Projects at 100% Federal
 - Up to \$65M for Flood Risk Management CAP Projects
- ✓ **Mississippi River & Tributaries: \$868M**
 - Of which **\$500M** Shall be for Construction in LA
 - Section 902 of WRDA 1986 Not Applicable
 - Ongoing Construction 100% Federal
- ✓ **Operations and Maintenance (O&M): \$887M**
 - **Dredge Fed Navigation Projects & Repair Damages Caused by Natural Disasters**
- ✓ **Flood Control and Coastal Emergencies (FC&CE): \$826M**
 - Unspecified - Shore Protection Projects Shall Restore Such Projects to Full Project Profile at Full Federal expense
- ✓ **Expenses: \$30M**

Senate Infrastructure Investment and Jobs Act Proposal

(\$17.1B)

- ✓ **Investigations: \$150M**
 - **\$30M** for Comprehensive Plans for Water and Related Resources
 - **\$45M** for Flood Plain Management Services Program
 - **\$75M** to Complete OR Initiate and Complete Authorized Studies
 - **\$30M** to Implement Section 118 Pilot Program
- ✓ **Construction: \$11.615B**
 - **\$1.5B** for **Major Rehabilitation, Construction, and Activities for Rivers and Harbors**
 - **\$250M** for **Remote and Subsistence Harbors**
 - **And Up to \$250M** for **Federal Breakwater/Jetty Projects** (Sec 1104 of WRDA 2016)
 - **\$200M** for Environmental Infrastructure
 - **\$2.5B** for **Inland Waterways Projects**
 - **\$465 million** for Small Continuing Authorities Projects (CAP)
 - Of which **\$115M** for CAP Sec 206 Projects to Restore Fish and Wildlife Passage
 - **\$1.9B** for Aquatic Ecosystem Restoration Projects
 - Of which **\$1B** Shall be for Multi-Purpose Projects
 - **\$2.55B** for CSRM or HSDR in States Impacted by Fed Declared Disasters Over Past 6 Years
 - Of which **\$1B** Shall Be for Multi-Purpose Projects that Include FRM benefits; \$200m Shall be for Shore Protection Projects
 - **\$2.5B** for Inland FRM Projects, of which **\$750M** Goes to Multi-Purpose Projects
- ✓ **Mississippi Rivers & Tributaries: \$808M**
 - Can be Spent on ‘New Starts’
 - **\$258M** for **Damage Repairs**; Obligated Within 90 Days
- ✓ **Operations and Maintenance (O&M): \$4.0B**
 - **\$626M** for **Damage Repairs**; Obligated Within 90 Days
 - **\$40M** for Snowpack Monitoring (Sec 4003(a) of WRDA 2014)
- ✓ **Regulatory: \$160M**
- ✓ **Flood Control and Coastal Emergencies (FC&CE): \$251M**
 - Includes Restoration of CSRM to Full Project Profile
- ✓ **Expenses: \$30M**
- ✓ **WIFIA: \$75M** for Non-Federal Dam Safety Projects
 - **\$64M** for Loans
 - **\$11M** for Administrative Expenses



Thank you!