

# VICKSBURG DISTRICT

## Association of Levee Boards of Louisiana Project Update



Col. Robert Hilliard  
Vicksburg District Commander

08 December 2021



US Army Corps  
of Engineers®



# AGENDA



- Value to the Nation
- Project Delivery
- Progress
- New Levee Safety Program Engineer Circular
- Levee Board Permitting Actions
- Partnerships







# VICKSBURG DISTRICT – VALUE TO THE NATION



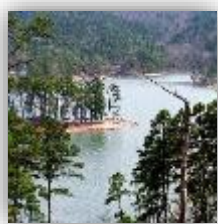
✓ 3 hydropower plants



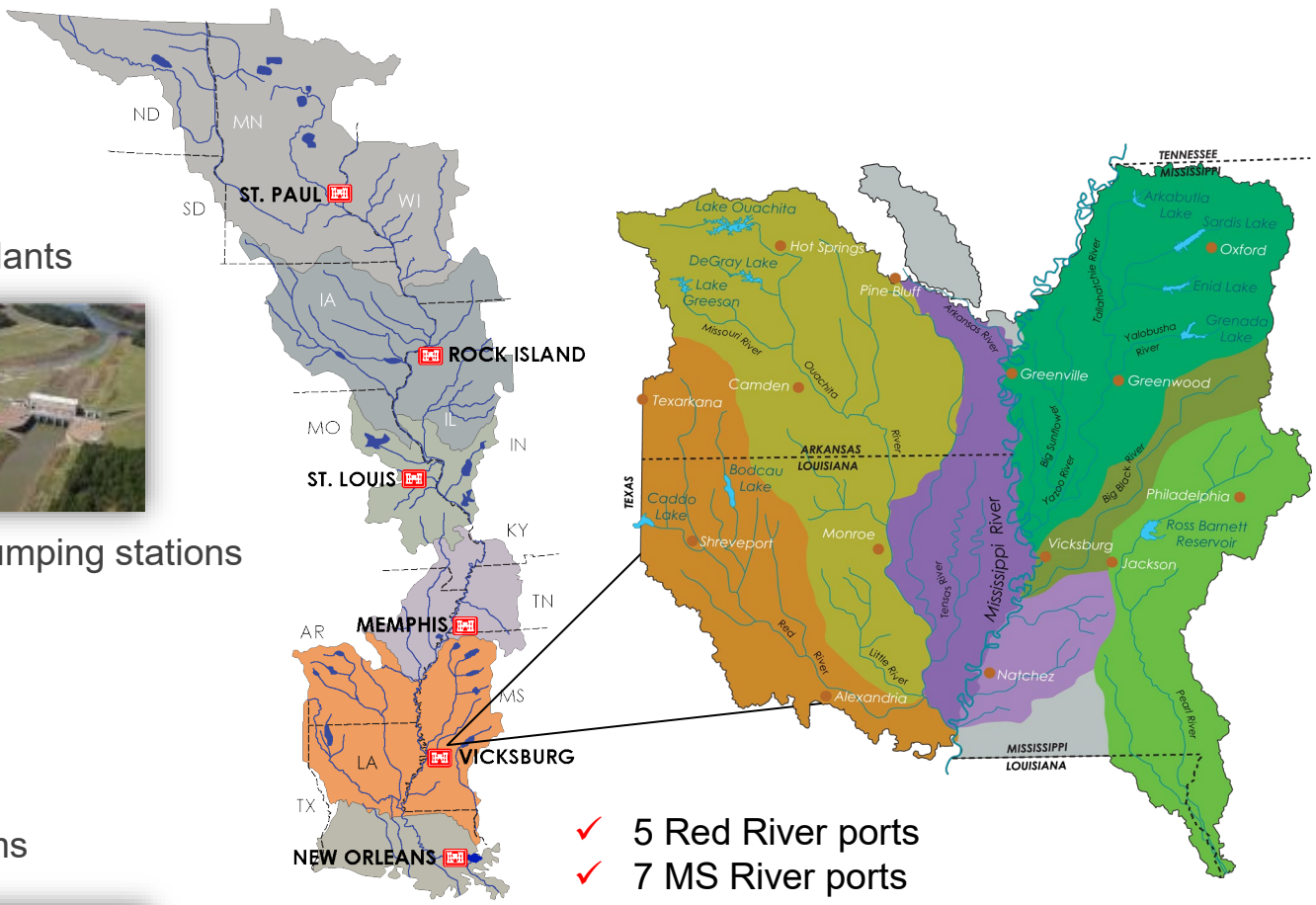
✓ 29 pumping stations



✓ 9 locks and dams

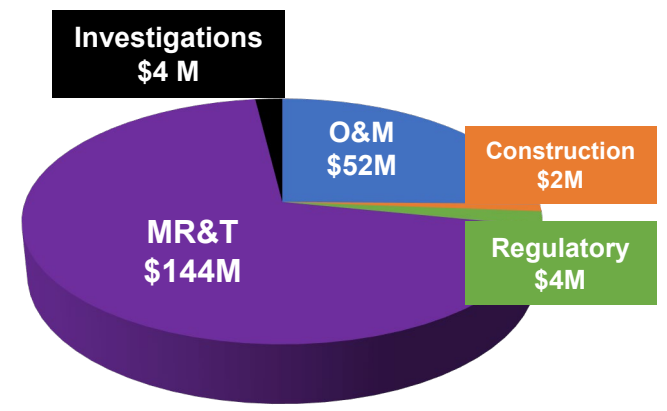


✓ 193 recreation areas

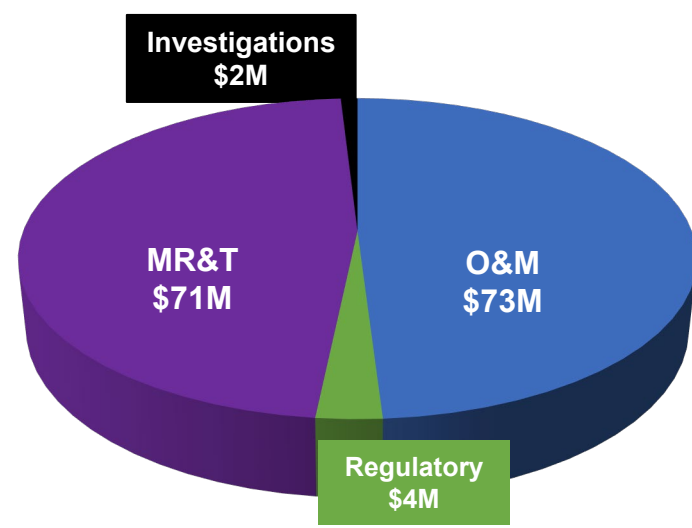


- ✓ 5 Red River ports
- ✓ 7 MS River ports
- ✓ 9 drainage basins
- ✓ 10 major flood control reservoirs
- ✓ 478 flood control structures
- ✓ 1,252 navigable channel miles
- ✓ 1,950 levee miles
- ✓ 450K acres forestry and wildlife land

## FY21 FUNDING \$206 M (P-BUD + Work Plan)



## FY22 FUNDING \$150M (P-BUD only)



\*Funding amounts rounded to nearest million



# PROJECT DELIVERY: FY21 DREDGING



Dredging on the Red River

- ✓ Lake Providence Harbor: 18 days of dredging
- ✓ Madison Parish Port: 3 days of dredging
- ✓ Ouachita/Black River: ~31 days of dredging at 5 different locations
- ✓ Red River: ~100 days of dredging at 13 different locations (RRWC contributed funds = ~50 days)



Dredge Dubuque



Dredge Ingenuity visit, August 2021





# PROJECT DELIVERY: OUACHITA BANK STABILIZATION



- ✓ Contract awarded 30 August 2018
- ✓ 626,401 tons of A-stone placed
- ✓ 122,617 tons of C-stone placed
- ✓ 498 barges delivered to job site
- ✓ Completed 01 November 2021
- ✓ Floodwall risk assessment complete







# PROJECT DELIVERY: MRL



Preparing levee base for lift, MRL Item 401-R, Tensas Parish, October 2021

- ✓ MRL Item 401-R contract awarded 11 June 2021
- ✓ Includes raising ~3.8 miles of the MRL and/or enlarging existing seepage burns 7 miles SE of Newellton, LA
- ✓ Contract awarded for \$7.1M
- ✓ Currently 10% complete



Well installation for Black Hawk Phase 2, Concordia Parish, October 2021

- ✓ Currently 25% complete
- ✓ Contract awarded for \$3.8M
- ✓ Schedule completion date 31 March 2022

- ✓ Black Hawk Phase 2 contract awarded on 17 July
- ✓ Includes 3 miles of seepage remediation, including the installation of 84 relief wells



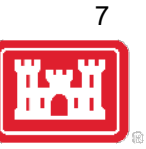
Well installation for Black Hawk Phase 2, Concordia Parish, October 2021

**\*\*Completed 19 slide repairs on MRL West Bank Louisiana portion**





# PROJECT DELIVERY: PL 84-99 OUACHITA RIVER



2016 Project, Construction Phase



2016 Project, Digging to setup the levee tiebacks

## 2016 Project:

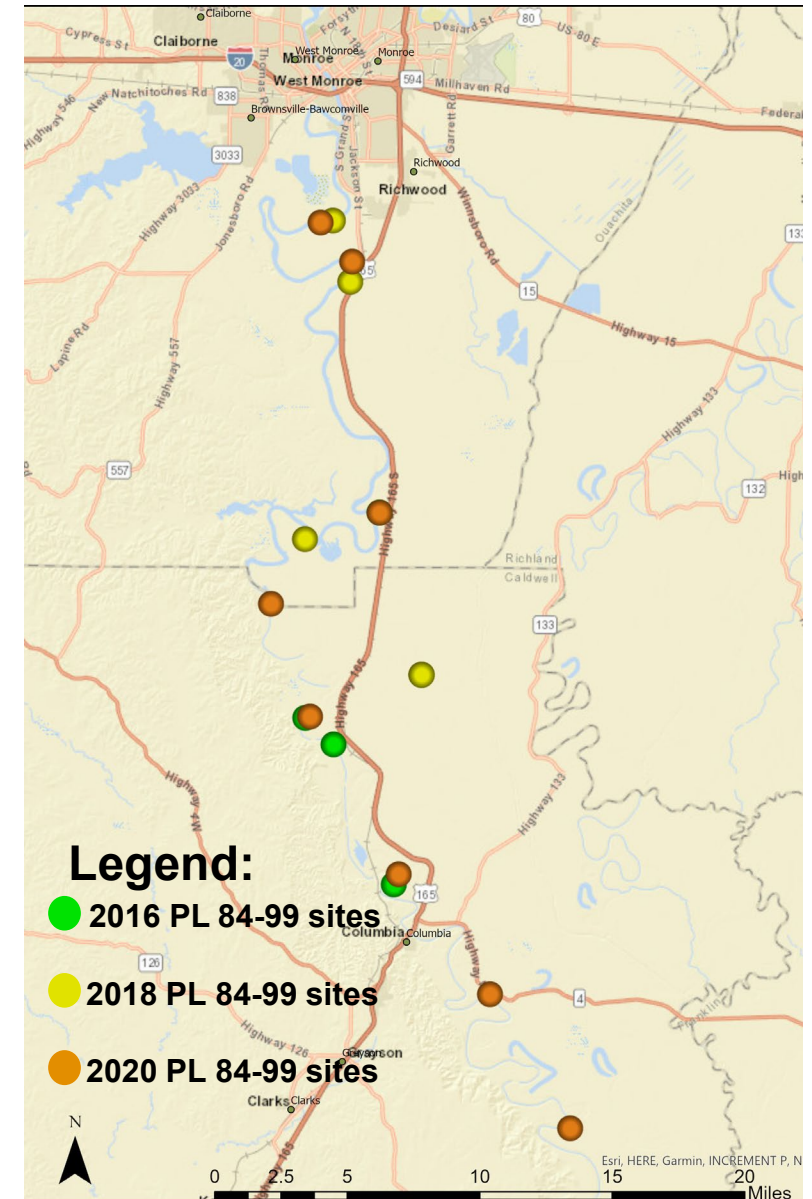
- ✓ Construction phase – 4 sites
- ✓ Currently 92% complete
- ✓ Estimated completion date is end of December

## 2018 Project:

- ✓ Design Phase – 6 sites
- ✓ 2 contracts to be awarded: one bank stabilization & one levee setback
- ✓ Design complete, awaiting funding

## 2020 Project:

- ✓ 7 sites needing repair
- ✓ Project Information Report is being prepared







# PROJECT DELIVERY: TENSAS TASK ORDER



- ✓ Surveys of 28 cross sections along the Tensas River, Big and Colewa Creeks, and Bayou Macon Tributaries
- ✓ Data determines amount of sedimentation accumulated in channels and the current carrying capacity of the stream







# PROGRESS

## Mat Sinking Unit



MSU performing flood repairs at Milliken Bend Revetment, Madison Parish, October 2021

### 2021 Revetment Season:

- ✓ 99,412 total squares placed (approx. 4.7 miles of bank stabilization)
- ✓ Season target: 204,833 total squares
- ✓ 1.3 miles of bank stabilization in LA
- ✓ 1 mile in LA already complete

## Armor 1



ARMOR 1, automated gantry system, Pittsburgh, PA, Aug. 10.



ARMOR 1 construction at Thoma-Sea Shipyard, Houma, LA

### Path Forward:

- ✓ Design phase complete
- ✓ Construction contracts awarded in September to Thoma-Sea Marine Construction in Houma, LA & SIA solutions
- ✓ Construction delayed due to Hurricane Ida
- ✓ Scheduled to be complete in early 2023





# NEW LEVEE SAFETY PROGRAM EC



EC 1165-2-218: USACE Levee Safety Program:  
(Found on USACE Publications website)

- ✓ Streamlined
- ✓ Clarifies applicability
- ✓ Defines roles & responsibilities
- ✓ Policies only, not procedures
- ✓ Changes our language
- ✓ Highlights opportunities



## 10-Year Outlook for LA

System Name	SOG LSAC	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30
Ouachita River LA	2 - High	SRA	FI					PA			
AR LA MS River	2 - High	SRA-H	SRA			FI					
Red River BWLA	2 - High	RI	SRA		FI					PA	

FI- Formal Inspection  
 PA- Periodic Assessment  
 SRA- Semi-quantitative Risk Assessment  
 H- Hydrological Study



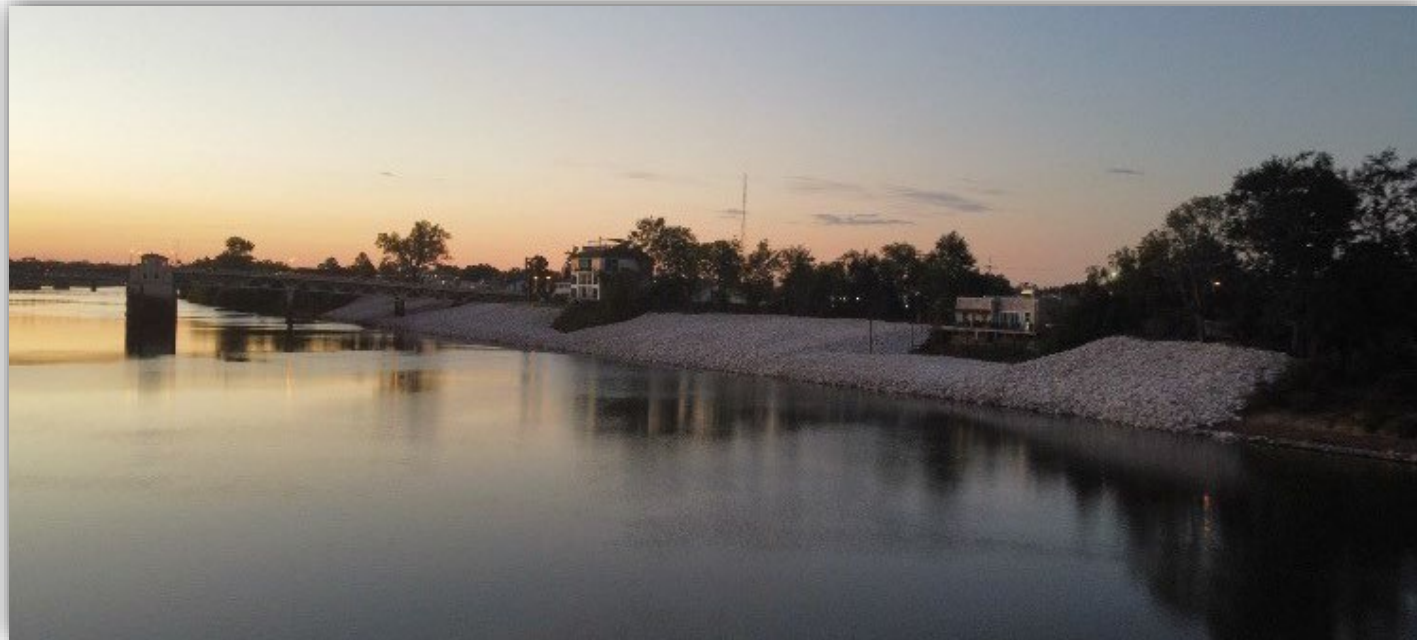


# LEVEE BOARD PERMITTING ACTIONS



## Authorizations under:

- ✓ Section 10 of the Rivers and Harbors Act
- ✓ Section 404 of the Clean Water Act
- ✓ Section 408 Authorizations for Impacts to Federal Projects



### Points of Contact:

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# PARTNERSHIPS



MVD and MVK leadership participate in the Red River Valley Association annual convention, Bossier City, LA, June 2021



MVK team members donate their time and expertise to the Hurricane Ida Operation Blue Roof Effort in Louisiana, Sept. – Oct. 2021



MVK team members meet with levee boards to discuss new Levee Safety Program EC, November 2021



Col. Hilliard presents Caddo Levee Board with the 2019 & 2020 Operation & Maintenance Awards for outstanding maintenance of levees, September 2021



MVD and MVK leadership, along with regional district leaders, meet for the annual R5 meeting, Vicksburg, MS, October 2021





# QUESTIONS

## US Army Corps of Engineers Vicksburg District

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