

VICKSBURG DISTRICT

Association of Levee Boards of Louisiana Project Update

COL Christopher Klein
Vicksburg District Commander

02 May 2024



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AGENDA

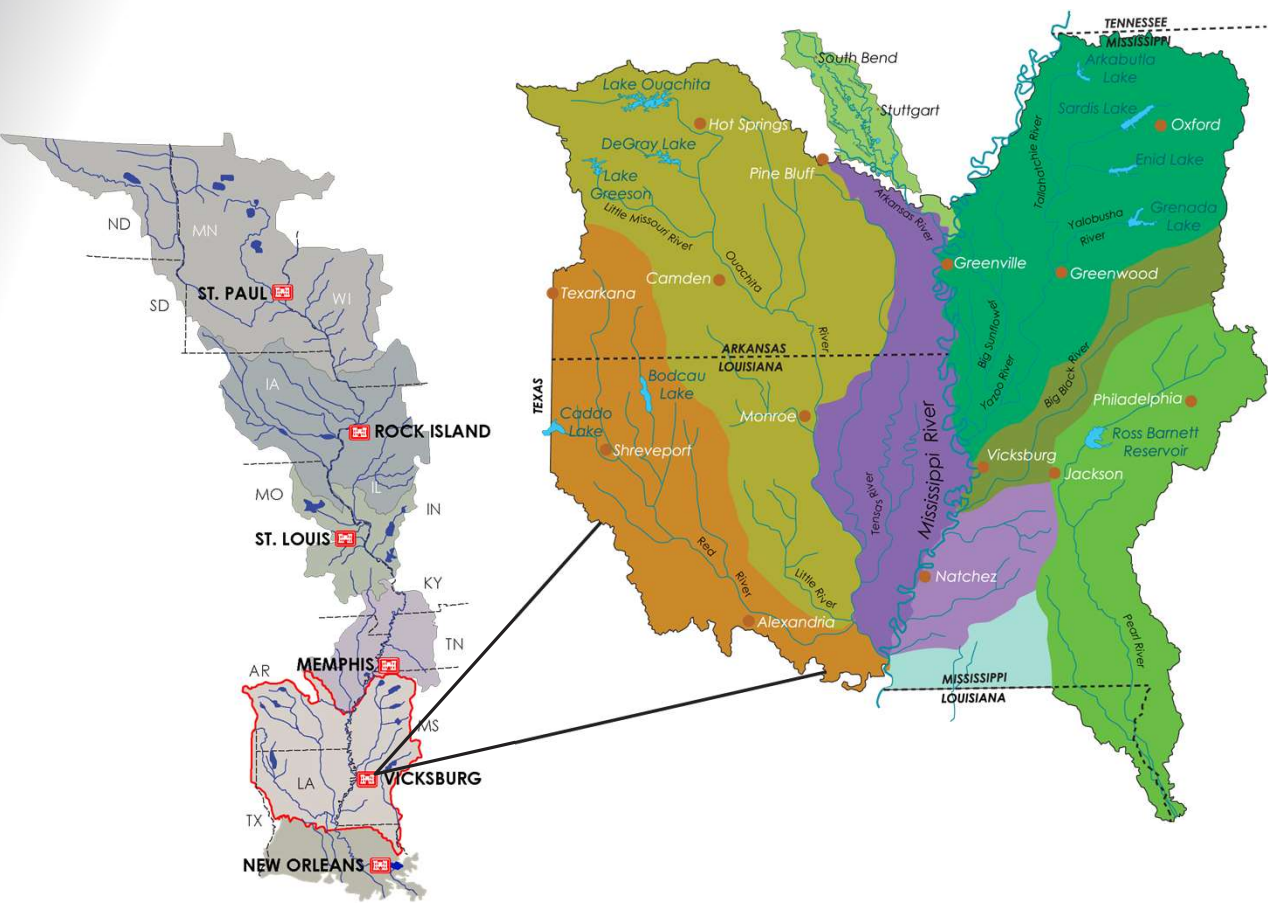


- Vicksburg District – What We Do
- Vicksburg District Funding
- L&D Update
- Project Delivery
- Permitting Actions
- Winning Through Partnerships



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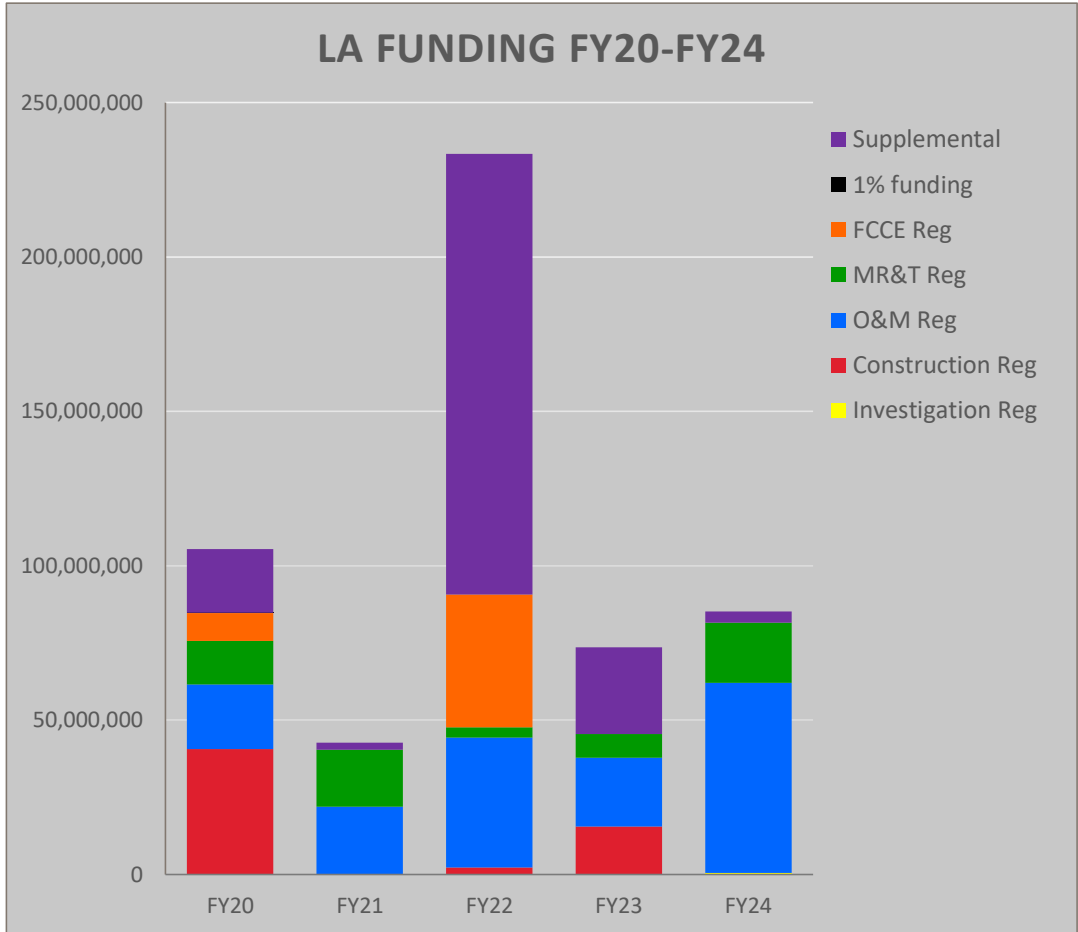
VICKSBURG DISTRICT – WHAT WE DO



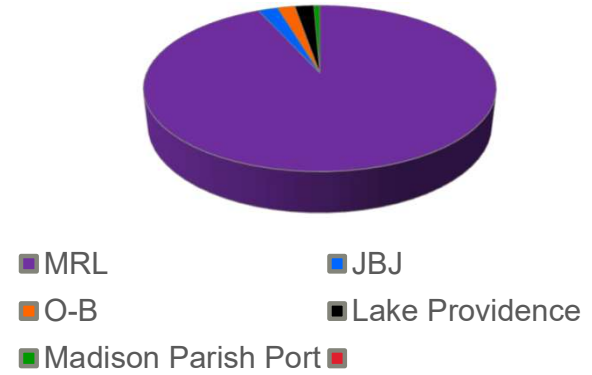
Flood Risk Management			
	2,122 miles of levees	478 flood control structures 29 pumping plants 10 flood control reservoirs	\$67.3M damages prevented (FY23) 4.9M acres protected (FY23)
Navigation			
	1,252 navigable channel miles	9 locks and dams 3 survey vessels 2 dredges	1 unique revetment plant 5 motor vessels
Regulatory			
		12 regional or programmatic permit types	2,140 completed actions (FY23)
Recreation			
	10 lakes	172 recreation sites	~8M annual visitors
Hydropower			
		3 plants	281k MWh avg. kilowatt hours of energy annually
Contingency Operations Support			
	Joint district teams	Multimillion-dollar FEMA assignments	
Environmental Stewardship			
		476K acres forestry and wildlife land	30K acres reforested mitigation lands
Emergency Operations			
	2 tactical vehicles	8 missions supported (FY23)	52 personnel deployed (FY23)
Interagency Support			
	We collaborate with: FEMA, the Environmental Protection Agency, U.S. Fish and Wildlife Service, the Veterans Administration, and the U.S. Department of Agriculture, among others.		
Water Supply			
		11 water supply agreements	~300K acre-feet of storage



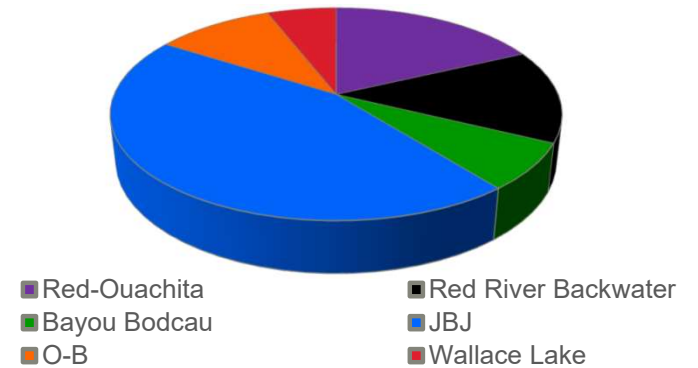
VICKSBURG DISTRICT – LA FUNDING



LA DRSAA = \$132M*



LA BIL (IIJA) = \$39M*



*total allocated



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LA PROJECT HIGHLIGHTS



\$1.1M



Bayou Bodcau

**FY24
LA Funding**

*P-BUD = \$45M
CDS = \$37M
BIL = \$1.5M*

TOTAL = \$83.5M

\$52.7M



J. Bennett Johnston Waterway

\$4.7M



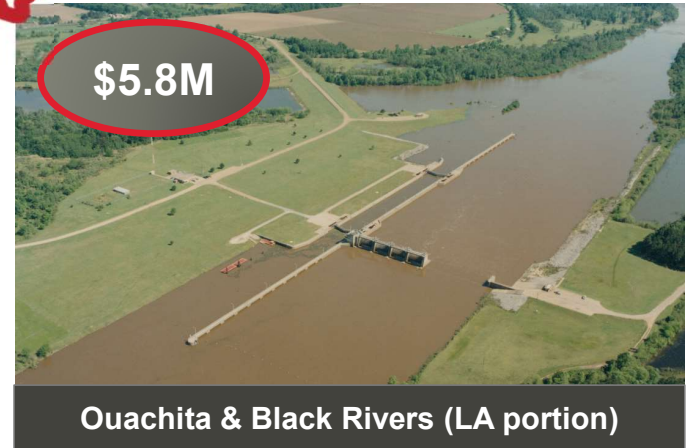
MS River Levees

\$191k



Wallace Lake

\$5.8M



Ouachita & Black Rivers (LA portion)



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L&D UPDATE – LINDY C. BOGGS

6



Boggs Tainter Gate Fabrication



Boggs Miter Gate Repair



Tainter Gate Replacement:

- Contract awarded JAN 2023 for 5 of 11 Tainter gates with options for remaining gates
 - Option for 1 additional gate awarded SEPT 2023
 - Options for 5 remaining gates awarded APR 2024
- First gate installation scheduled ~ late June 2024
- No planned Lock closures associated with gate installation

Unscheduled Maintenance – Miter Gate Repair:

- Crack in primary miter gate diagonal anchorage found on 28 SEPT 2023
- Maintenance crews completed gate realignment
- Lock re-opened to navigation on 18 NOV 2023



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PROJECT DELIVERY: MRL

7



FY24 Funding – MRL-C

- FY24 Received - \$4M (REG, pending Work Plan)
- FY24 Executed - \$26.4M (REG + SUPP)
- FY24 Scheduled - \$59.1M (REG + SUPP)

FY24 Funding – MRL-M

- FY24 Received - \$3.2M (REG, pending Work Plan)
- FY24 Executed - \$1.8M (REG + SUPP)
- FY24 - \$1M to address levee slides, obligated in Q1.





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PROJECT DELIVERY: MRL – MVK AOR

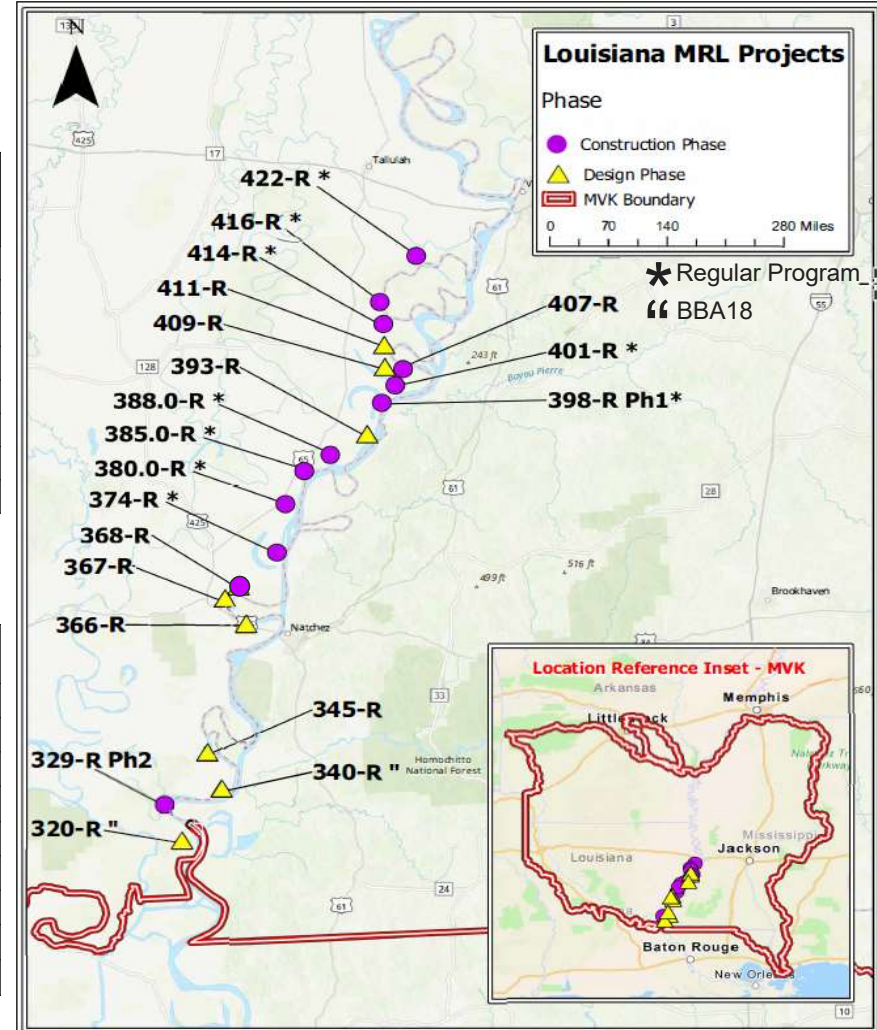


List of projects in Design and under Construction:

Louisiana Projects in Design		(\$140.3M)		
Work Item	Funding	Work Item Description	Length (mi)	Anticipated Award
411-R	DRSAA	Tensas Parish, Levee + Berms	2.7	4th Qtr, FY24
409-R	DRSAA	Tensas Parish, Levee + Berms	3.4	4th Qtr, FY24
393-R	DRSAA	St Joseph-Waterproof Levee + Berms	5.1	3rd Qtr, FY24
367-R	DRSAA	Upper Lake Concordia-Vidalia, Levee + Berms	4.7	4th Qtr, FY24
366-R	DRSAA	Upper Lake Concordia-Vidalia Levee + Berms	4.8	4th Qtr, FY24
345-R	DRSAA	Morville-Black Hawk, Levee + Seepage	6.1	4th Qtr, FY24
340-R	BBA18	Morville-Black Hawk, Seepage	3.0	2nd Qtr, FY25
320-R	BBA18	Morville-Black Hawk, Levee + Seepage	3.2	2nd Qtr, FY25

Louisiana Projects Under Construction		(\$60.8M)		
Work Item	Funding	Awarded	Status	
422-R	Regular	Sept18	Turf Est	
416-R	Regular	Aug17	Complete/Turned Over in FY23	
414-R	Regular	Aug20	Turf Est	
407-R Winter Quarters	Supplemental	Sept18	Complete/Turned Over in FY23	
401-R	Regular	Jun21	93%	
368-R	Supplemental	Oct23	9%	
398-R Ph1	Regular	Aug18	Complete/Turned Over in FY24	
380/385/388-R	Supplemental	Oct21	84%	
329-R Blackhawk Ph2	Supplemental	July20	Complete/Turned Over in FY23	

**Successfully completed 4 levee projects since the last update in April.





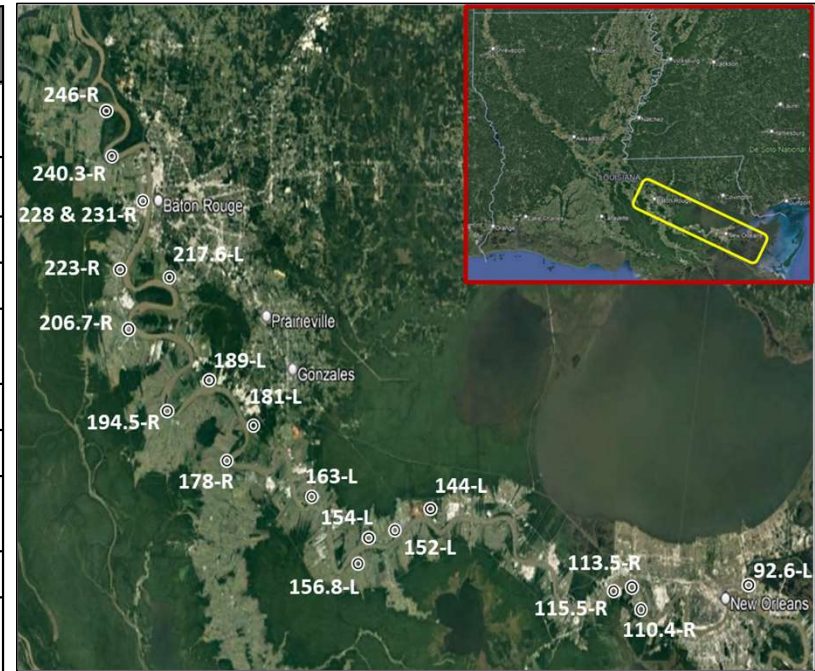
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PROJECT DELIVERY: MRL – MVN AOR



- MVK and MVN entered into a Corps-to-Corps Work Agreement to execute \$100M in FY22 DRSA funding for 17 MRL work items. List of projects in design shown below.
- In Feb 24, the PDT met via conference calls with representatives from each of the four levee to discuss project status and planning. The MVK/MVN team is evaluating potential borrow site recommendations from the NFSs.

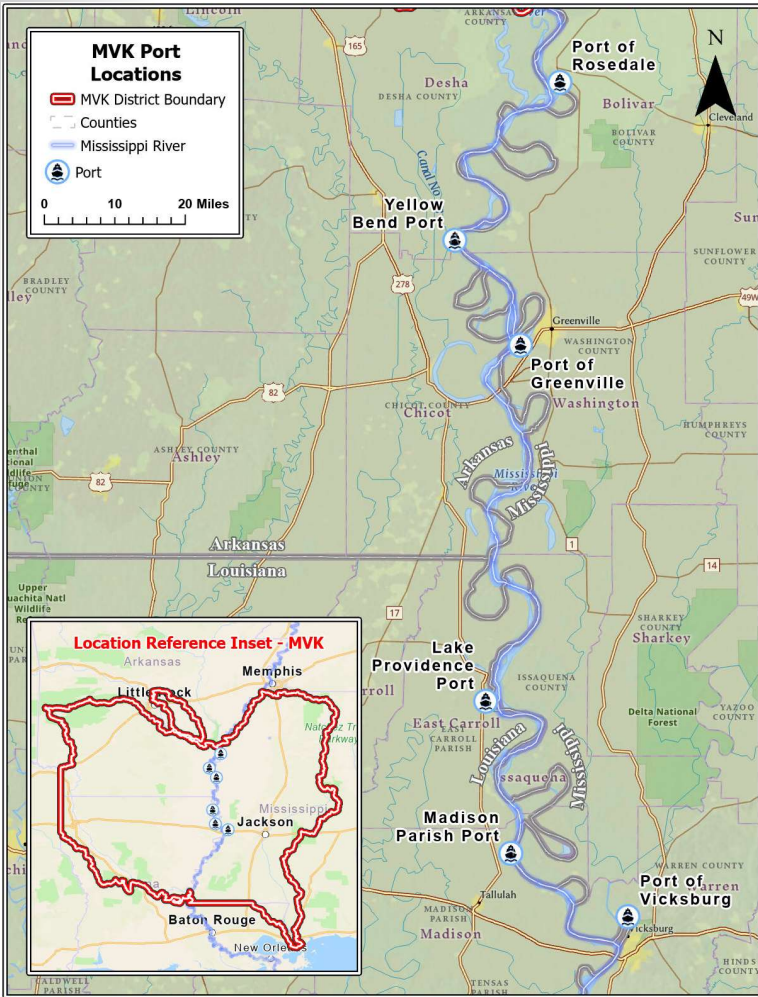
Work Item	Work Item Description	Length (mi)	Anticipated Award
228-R	Port Allen Levee, Enlargement and/or Floodwall	2.51	4th Qtr, FY26
223/240.3/246-R	Addis/Thomas Point/Smithfield, Enlargement	1.6	4th Qtr, FY25
206.7-R	Plaquemine/Reveille, Enlargement	2.7	4th Qtr, FY25
194.5-R	Bayou Goula to Alhambra, Enlargement	6.7	4th Qtr, FY25
181/189/217.6-L	Marchand/Carville/Ben Hur Road, Enlargement	0.82	3rd Qtr, FY26
178-R	Smoke Bend, Enlargement	3.3	4th Qtr, FY25
154-L	Welham Plantation, Enlargement	0.5	4th Qtr, FY25
144/152/156.8/163-L	Gramercy/Belmont/Romeville-College Pt/Romeville, Enlargement	0.49	4th Qtr, FY25
110.4-R	Waggaman, Enlargement	1.1	4th Qtr, FY25
92.6-L	IHNC Lock Forebay, Enlargement and/or Floodwall	3.2	3rd Qtr, FY27





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PROJECT DELIVERY: DREDGING



FY24 Updates:

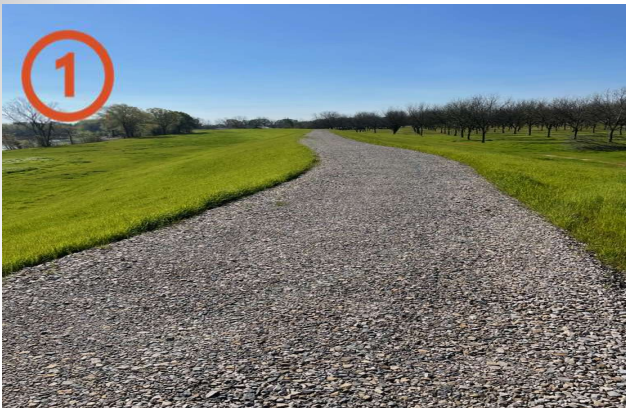
- Dredge Dubuque deployed to help with dredging needs during low water
- Awarded dredging task orders in April 2024 for JBJWW and Ouachita-Black
- Lake Providence harbor rock removal is complete.

Dredging Operations in Louisiana	FY24 PBUD Funding
Lake Providence	\$1.5M
Madison Parish	\$250K
JBW Waterway	\$6M
Ouachita-Black	\$4M





PROJECT DELIVERY: PL 84-99 EMERGENCY REPAIR



2018 Project - Construction ongoing

2018 Ouachita River Project:

- Levee setback under construction (100% complete)
- Bank stabilization under construction (96.6% complete)



2019 West Agurs Rehab Project

2019 Red River Basin West Agurs Rehab Project:

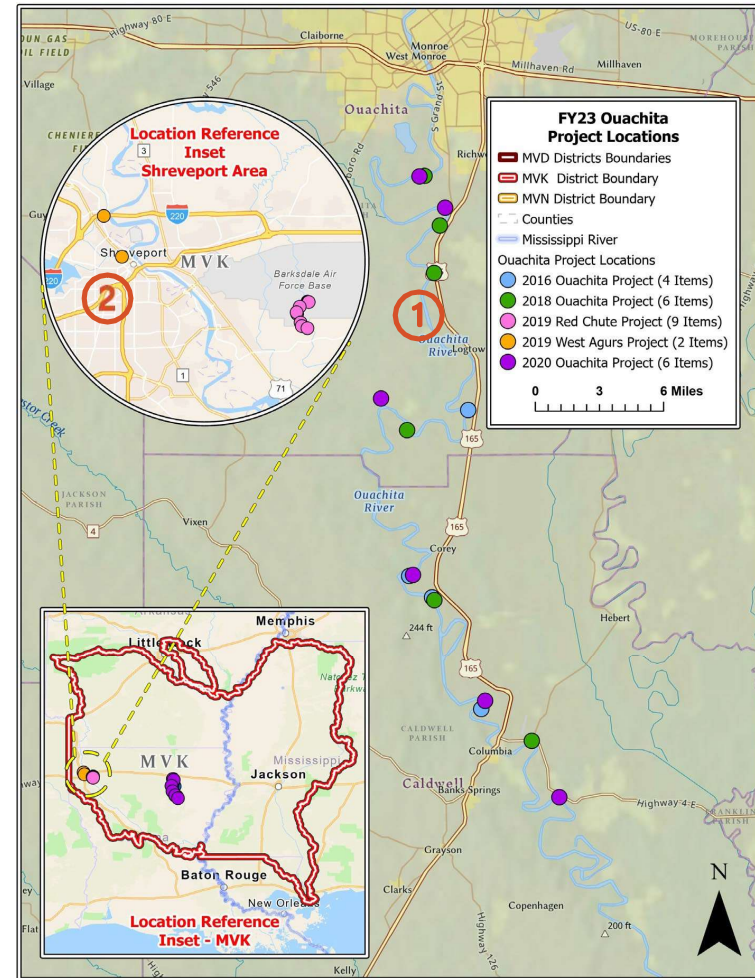
- 2 sites needing repair
- Project under construction (100% complete)

2019 Red Chute Project:

- 9 sites needing repair
- Awarded 09 Jan 24 for \$2.0M
- On hold due to high-water levels

2020 Ouachita River Project:

- 6 sites needing repair
- E&D and data collections underway





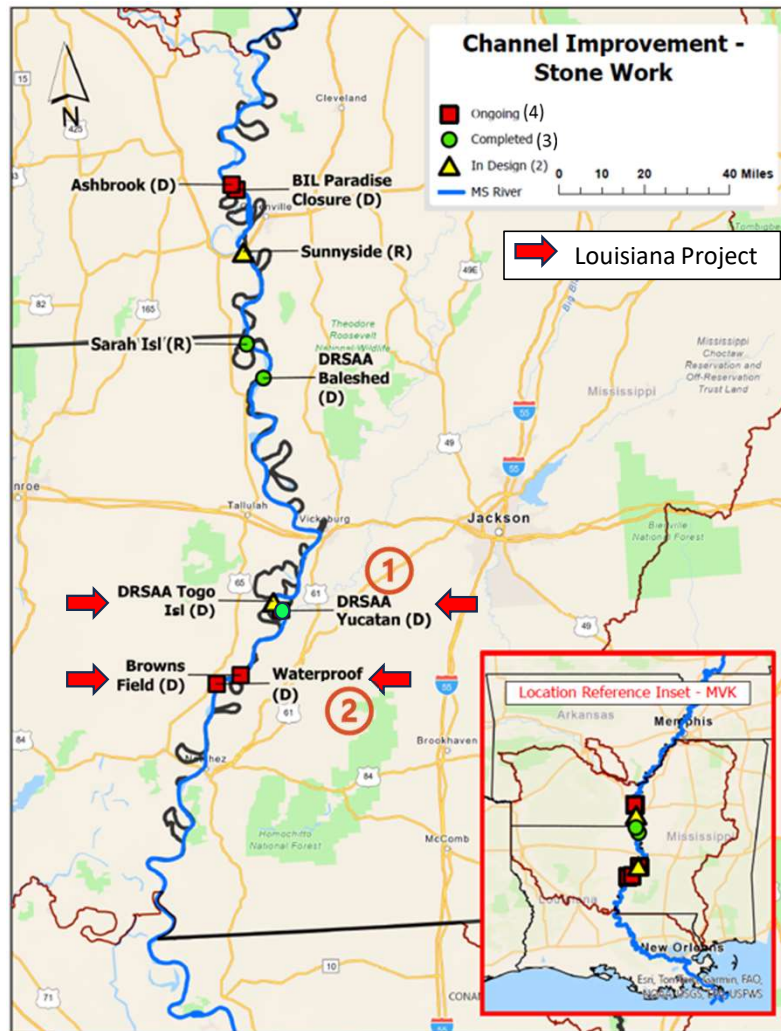
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CHANNEL IMPROVEMENT – STONE WORK



Highlights/Progress in LA:

- 1 Dike Project *Completed*
 - Yucatan Dikes, RM 411
- 2 Dike Projects *Ongoing*
 - Browns Field, RM 390
 - Waterproof, RM 380.3

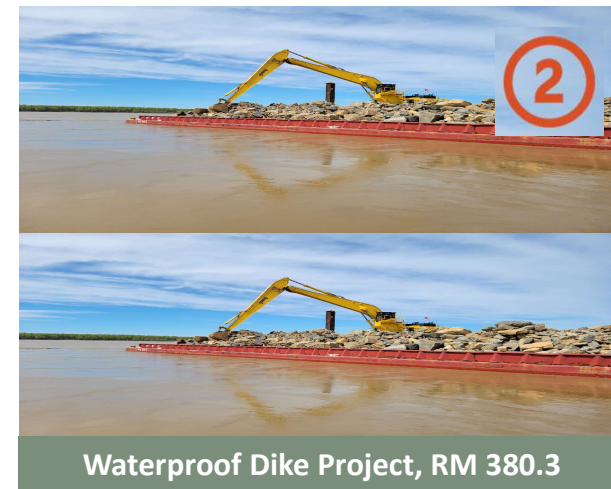


FY24 Dike Work in LA:

- DRSAA Dike Construction: \$41.1M
 - 1 New Bendway Weir Project - Togo Island, RM 414
 - Construct 4 deep water bendway weirs



Yucatan Dikes Construction, RM 411



Waterproof Dike Project, RM 380.3



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CHANNEL IMPROVEMENT – ACM REVETMENT

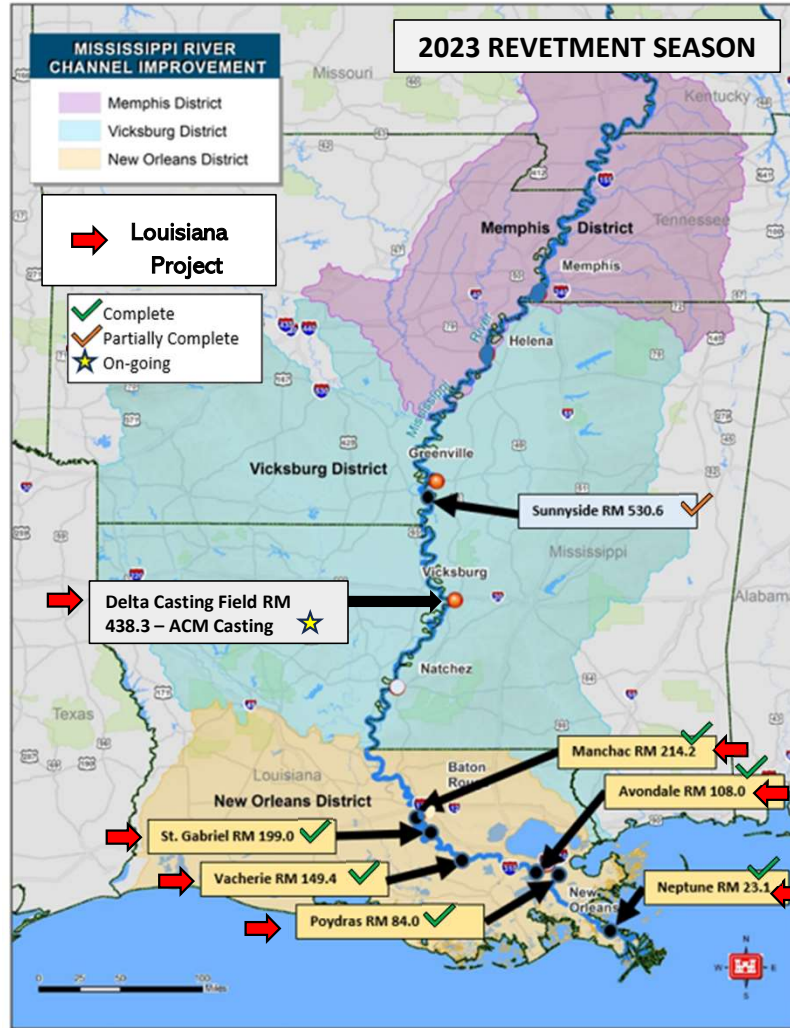


2023 Revetment Season:

- Duration: 07 DEC 2023 – 13 APR 2024
- 90,102 squares sunk
- Value to the Nation: ~3.6 miles of bank stabilization in the Vicksburg and New Orleans Districts



Mat Sinking Unit returns to Vicksburg Harbor



FY24 Work in LA:

- FY24 Mat Casting Contract: \$17.4M
 - Awarded JAN 2024
 - 60,000 ACM squares
- PBUD Revetment Maintenance: ~\$1M
 - Stone Repairs to Revetments (Multiple sites)
- BIL Revetment Maintenance: \$12.2M
 - 2 ACM Projects
 - Point Pleasant, RM 411.5
 - Morville, RM 356.1

Total Investment in LA: \$30.6M



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ARMOR 1



Highlights/Progress:

- Hull structure 100% complete
- Crane gantry under construction
- Pressure testing piping and tanks
- Robotics construction and development of user interface ongoing in Pittsburgh
- 90% of the mat deck has been placed; waiting final welding



What's to Come:

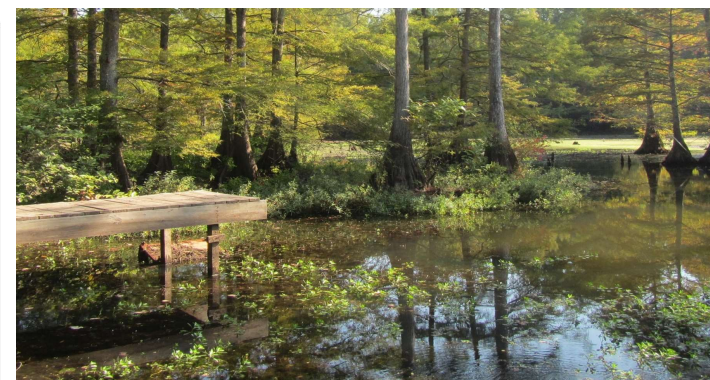
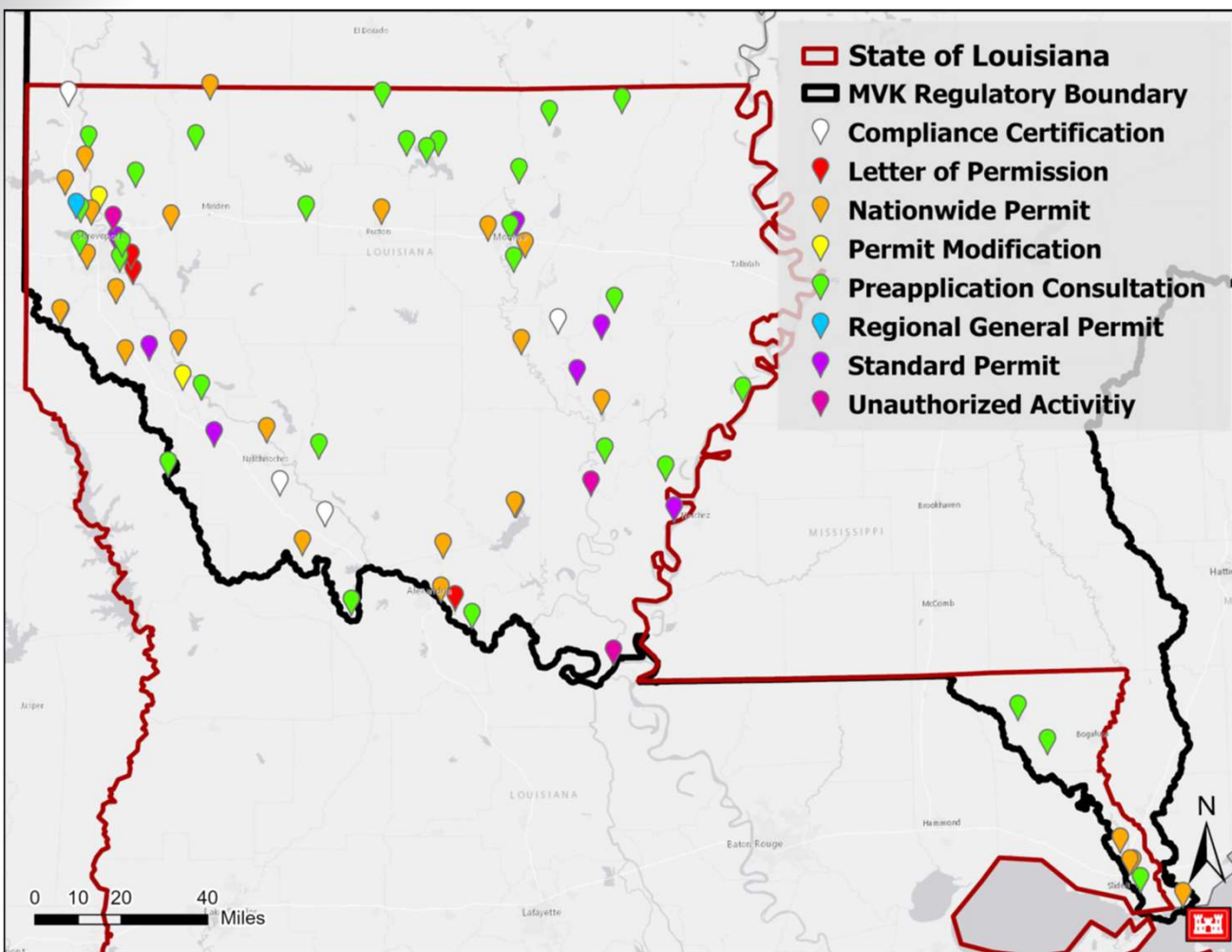
- Installation of the mat deck, crane gantry, electrical equipment, and deck equipment
- Robot installation scheduled to begin in Fall 2024
- Sea trials are scheduled to be conducted summer 2025
- Based upon delivery, the first full season with ARMOR 1 will be 2026





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LA PERMITTING ACTIONS



Points of Contact:

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WINNING THROUGH PARTNERSHIPS



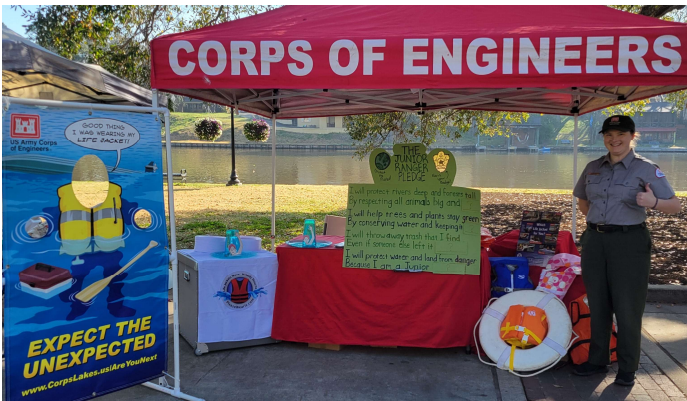
Vicksburg District hosts "Regulatory 201" with over 50 environmental consultants, June 2023.



Vicksburg Leadership Development Program members meet with Tensas Basin Levee Board, February 2024.



COL Klein speaks at the annual Red River Valley Association Conference in Shreveport, February 2024.



Vicksburg District attends the Reading on the River event held in Natchitoches, LA, March 2024.



COL Klein and Pat Hemphill visit with Representative Letlow during spring congressional visits, March 2024.



Vicksburg District hosts Small Business Industry Day, April 2024.



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