



Coastal Protection and Restoration Authority Board Meeting

New Orleans District Update
COL Cullen Jones, P.E. PMP
18 June 2025



U.S. ARMY

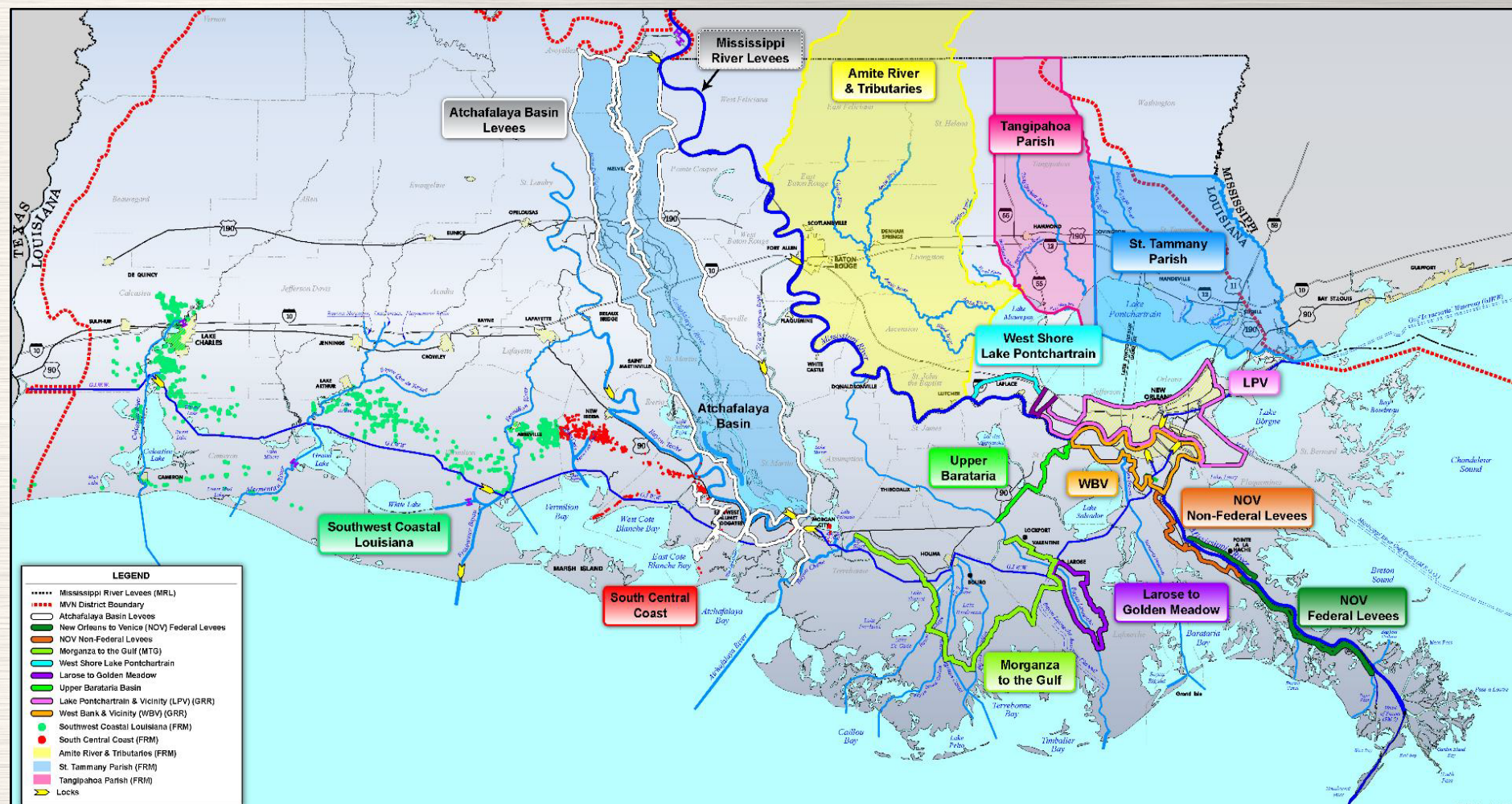


US Army Corps
of Engineers



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT REDUCING RISK THROUGHOUT SOUTH LOUISIANA

- ❑ Eight FRM systems in active construction
- ❑ Three undergoing feature design
- ❑ Two active FRM studies
- ❑ Two resiliency GRR studies underway



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT **2025 MISSISSIPPI RIVER HIGH WATER**

IN PARTNERSHIP WITH RRABB, EBR, SLFPA-E & W, PLD, SMLD, ABLD,
LBLD, & PPG

- ☐ **Currently in Phase I Flood Fight**
 - ☐ **Phase I activated on Feb 24, Apr 14, & May 13.**
 - ☐ **Phase II active from Apr 23 – May 13.**
- ☐ **Bonnet Carre' Spillway operation is currently not forecasted**
 - ☐ **Highest mainstem flows since 2020**



U.S. ARMY



US Army Corps
of Engineers®

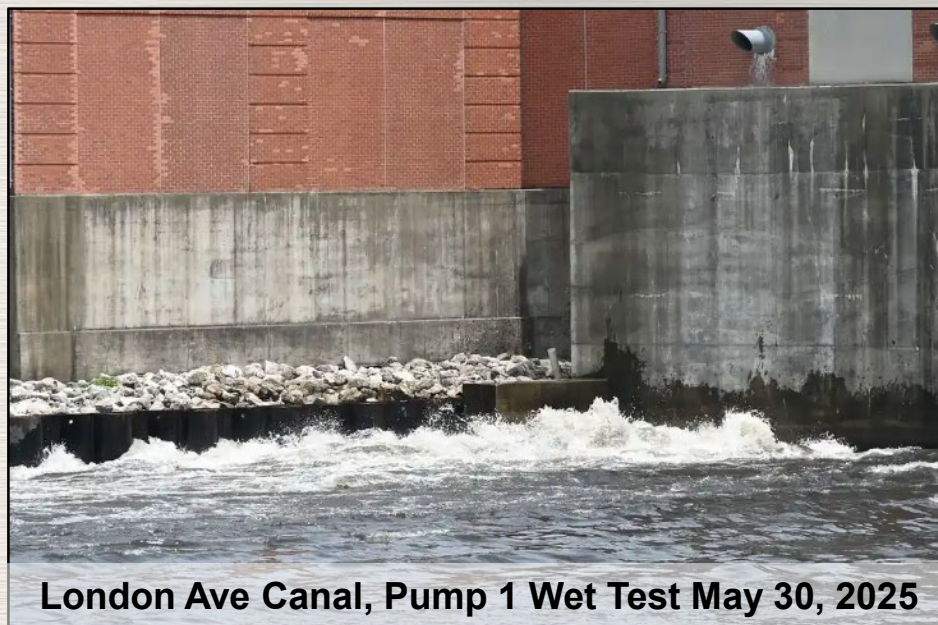
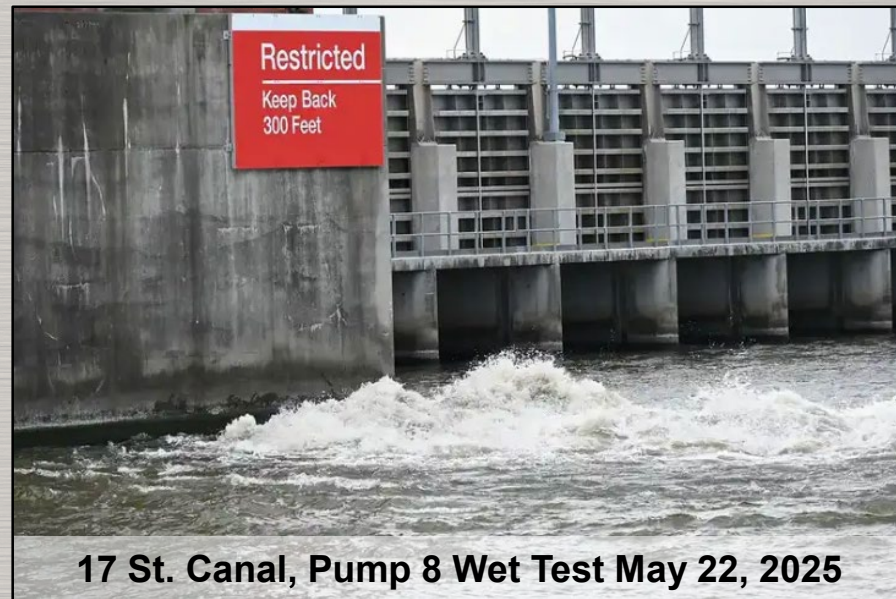


USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT

2025 HURRICANE SEASON

PCCP PUMP STATUS

- ☐ The 13 PCCP pumps scheduled for repair this season successfully completed wet testing on May 30.
- ☐ All 17 PCCP pumps are fully restored and postured for 2025 hurricane season.



U.S. ARMY



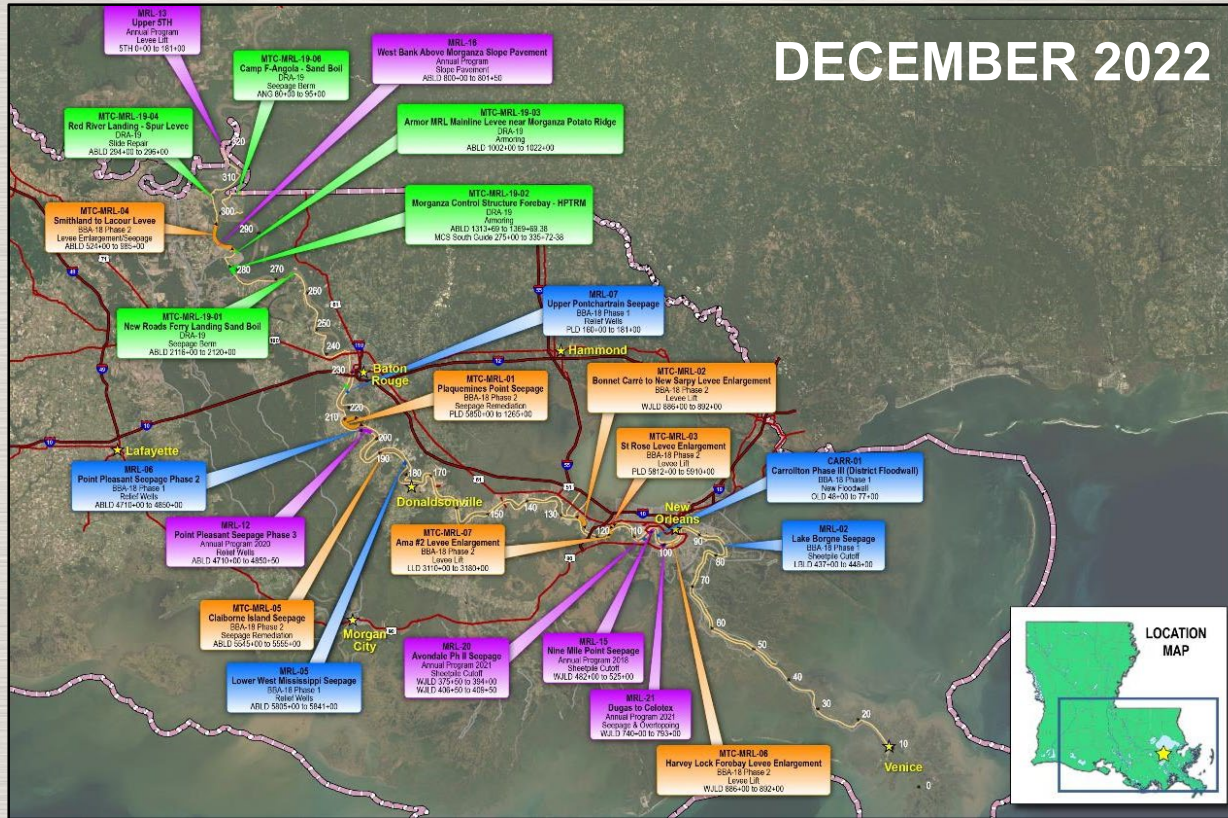
US Army Corps
of Engineers®



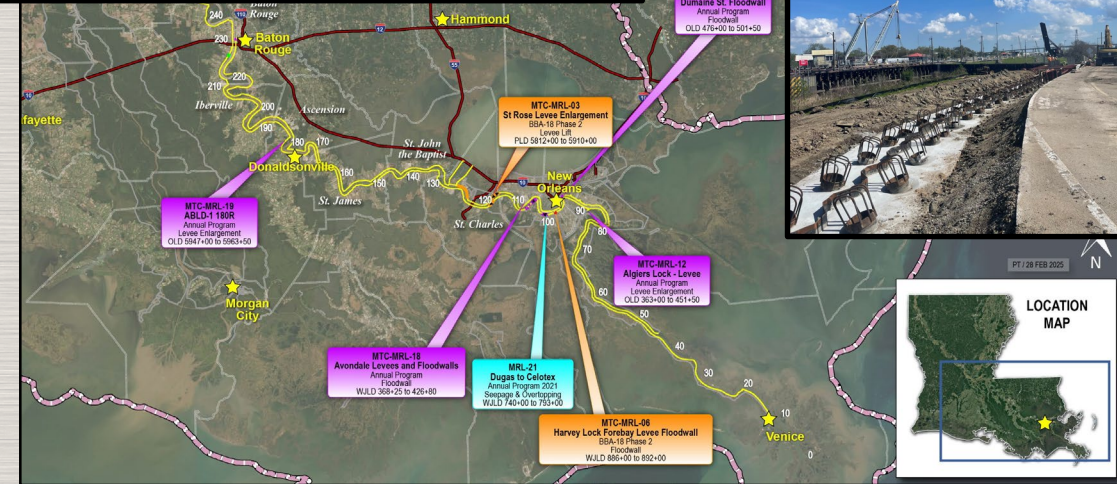
USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT MISSISSIPPI RIVER AND TRIBUTARIES LEVEE SYSTEM

IN PARTNERSHIP WITH RRABB, EBR, SLFPA-E & W, PLD, SMLD, ABLD,
LBLD, & PPG

DECEMBER 2022



JUNE 2025



U.S. ARMY



US Army Corps
of Engineers

**\$114 IN PREVENTED DAMAGE FOR EVERY FEDERAL \$1
TOWARD CONSTRUCTION, OPERATION AND MAINTENANCE**



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT **RIVERBANK/CHANNEL STABILIZATION**

- **Critical to both navigation and flood risk management because of proximity of levee to riverbank**
- **417 miles of riverbank for Miss. and Atchafalaya rivers**
- **Six locations planned for channel improvement during 2025 mat sinking season.**



U.S. ARMY



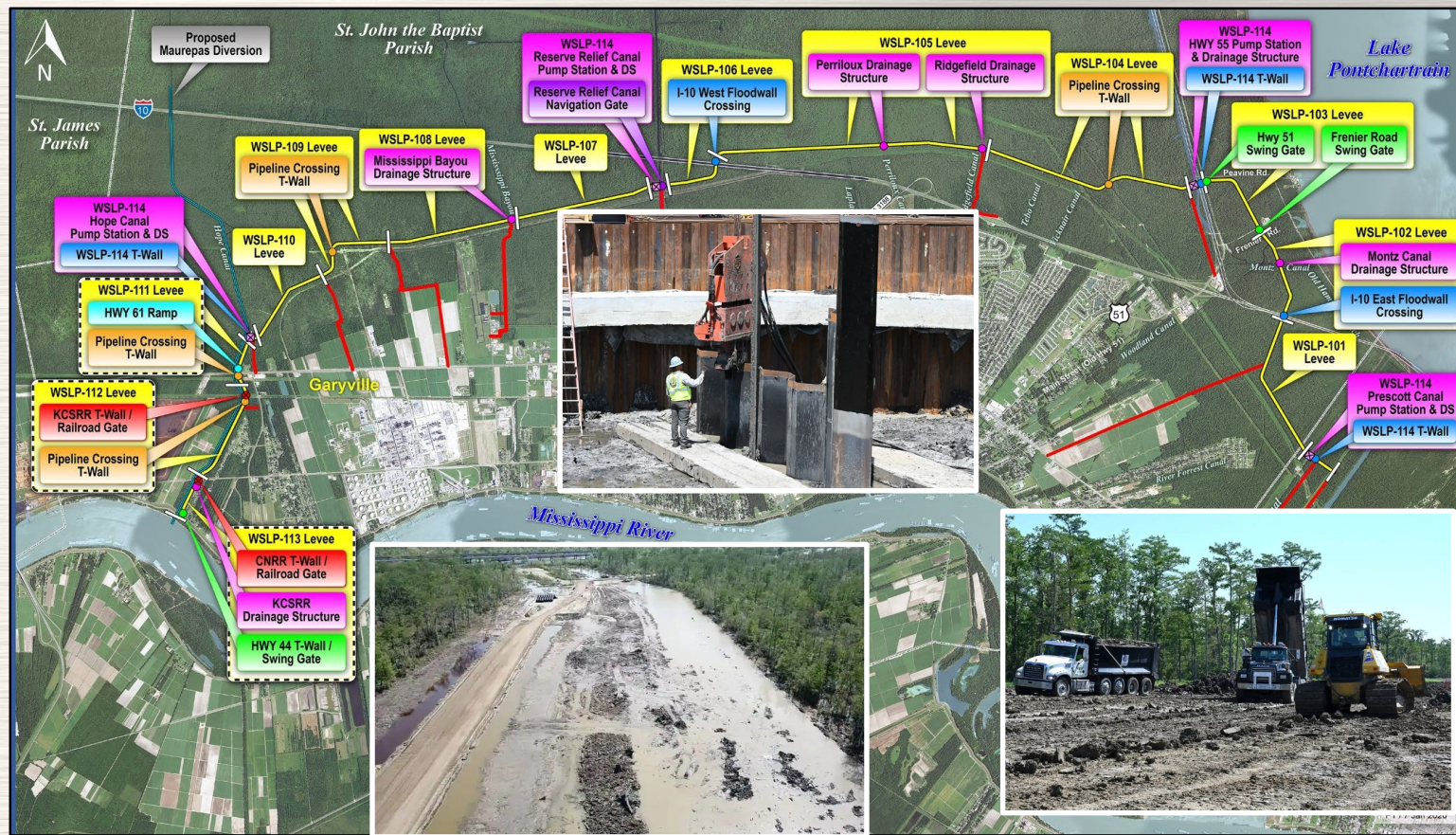
US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT WEST SHORE LAKE PONTCHARTRAIN IN PARTNERSHIP WITH CPRA & PLD

DEC 2022

- ☐ Access roads under construction
- ☐ Pile load test contract issued
- ☐ Two sand placement contracts
- ☐ First levee contract out for bid



JUNE 2025

- ☐ Access roads complete
- ☐ 11 contracts in construction
- ☐ First levee contract currently undergoing resilient turf establishment
- ☐ Resiliency study underway



US Army Corps
of Engineers®

REDUCING RISK FOR 60,000 SOUTH LOUISIANA RESIDENTS

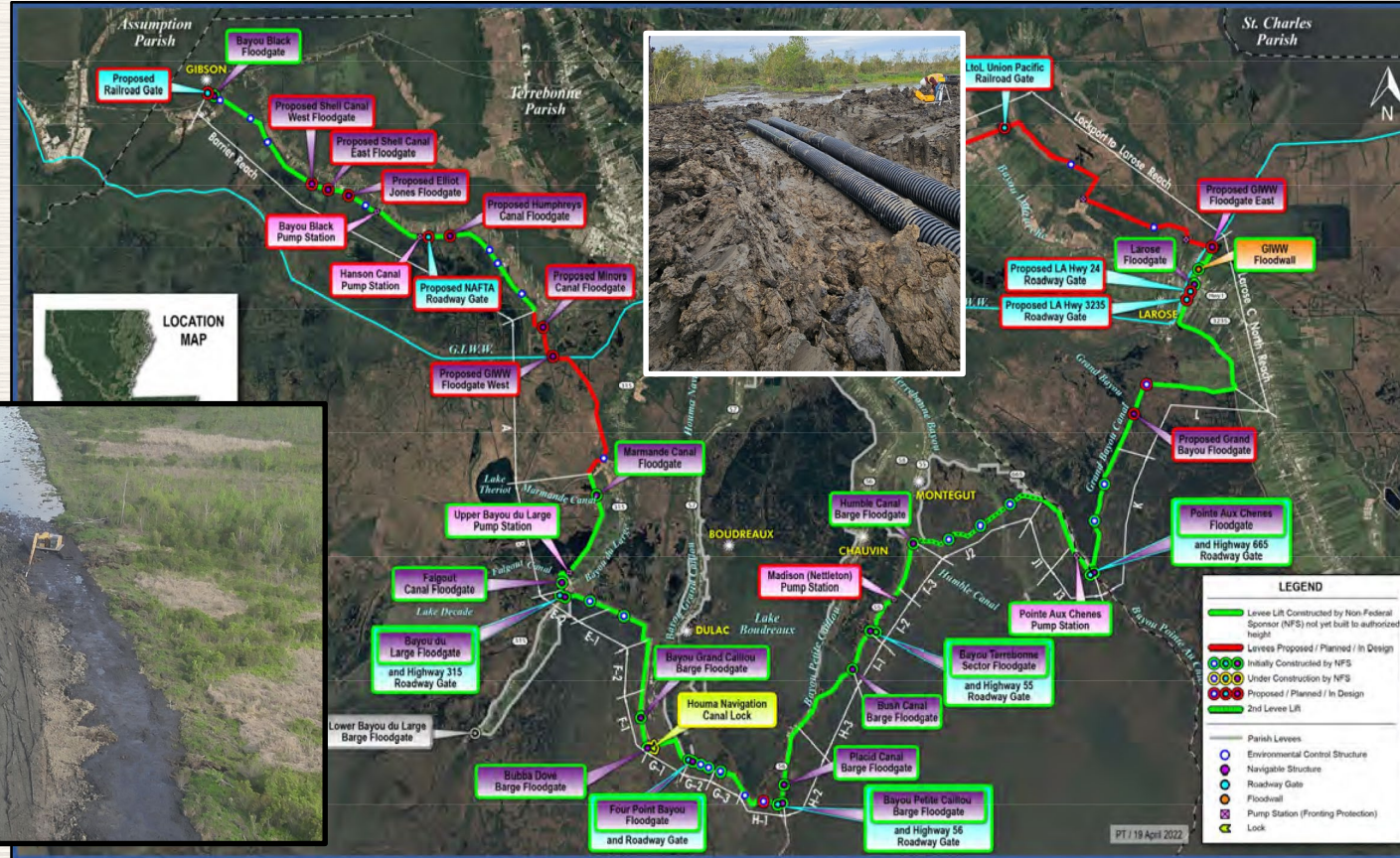


USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT MORGANZA TO THE GULF

IN PARTNERSHIP WITH CPRA, TCLD, NLLD & SLLD

DEC 2022

- ☐ Humble Canal Preload: First federal construction project broke ground



JUNE 2025

- ☐ Humble Canal Preload completed in 2023
- ☐ 19 features in design
- ☐ Reach A broke ground in Oct 24 and on schedule
- ☐ Reach F design to be completed this fiscal year.
- ☐ SEIS scheduled completion in Spring 2026



U.S. ARMY



US Army Corps
of Engineers®

**STATE OF LOUISIANA AND TCLD HAVE SPENT
MORE THAN \$1 BILLION TO ADVANCE SYSTEM**



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT FLOOD RISK MANAGEMENT STUDIES

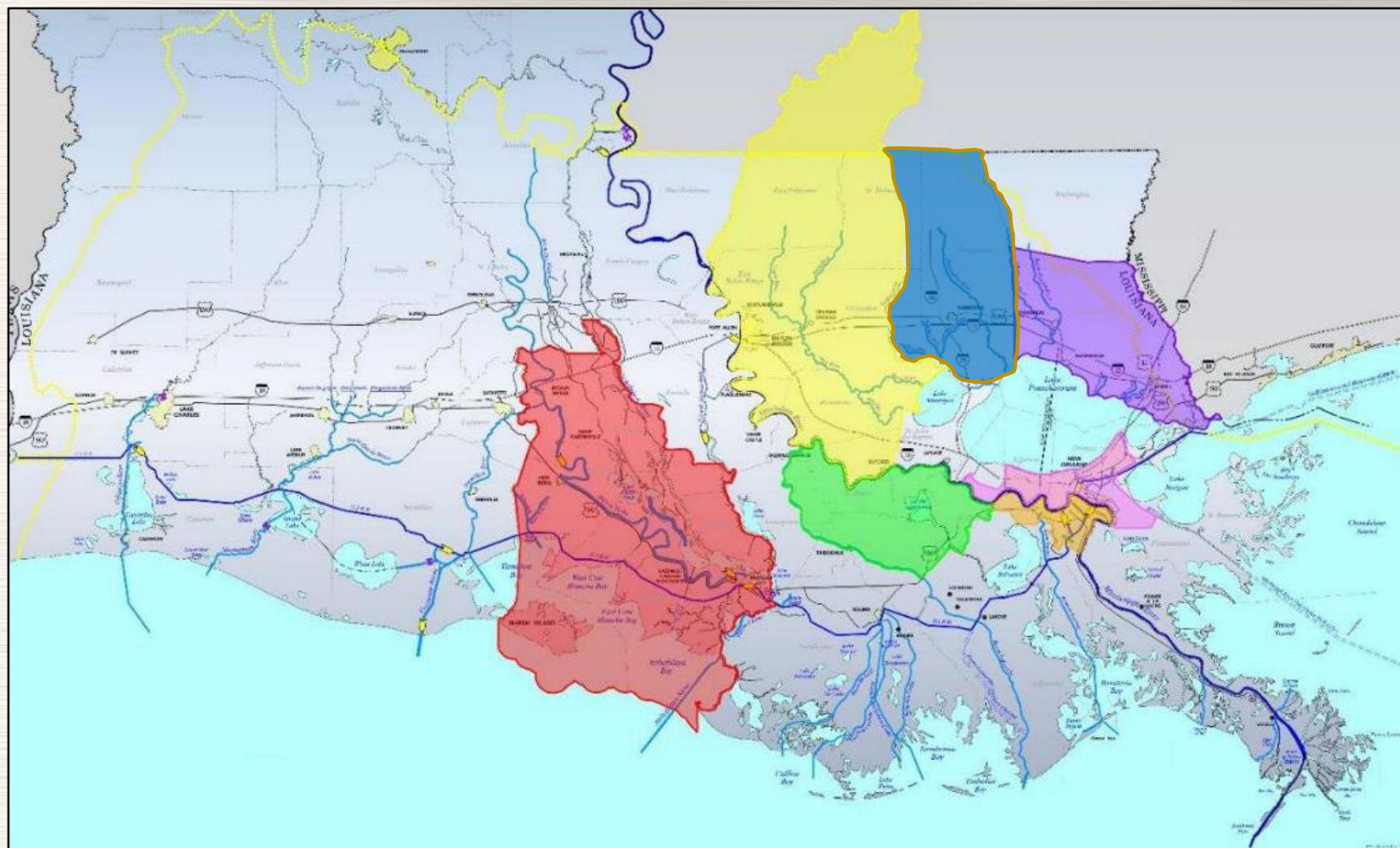
IN PARTNERSHIP WITH CPRA & LADOTD

COMPLETED

- ☐ South Central Coastal Louisiana
- ☐ Upper Barataria Basin: Received funding for PED
- ☐ St. Tammany Parish
- ☐ LPV and WBV GRRs

NEAR COMPLETION

- ☐ Amite River and Tributaries
 - ❖ Briefed Chief on 17 Jun
- ☐ Tangipahoa Parish



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT LOWER MISSISSIPPI RIVER COMPREHENSIVE MANAGEMENT STUDY



1

Future FRM Vulnerabilities

- Current and future MR sedimentation from Vicksburg to Red River Landing is resulting in a loss of channel capacity and increases in water surface elevations.

2

Impacts to Navigation

- 12ft channel viability (Baton Rouge to Cairo) under investigation – periods of low flow require engineering to enable 100% availability to commerce

3

Atchafalaya Basin

- Degradation/aggradation trends, and subsidence and sea level change continue to affect the lower Atch River.
- Widening Wax Lake Outlet has potential to reduce flooding.



U.S. ARMY



US Army Corps
of Engineers®



4

Impacts to MS River Habitats

- Dynamic flow split at Old River Control Structure (ORCS) can reduce frequency & duration of Bonnet Carre operations.
- Multiple locations identified for tree screens, sand dams, and woody bundles to improve river habitat.

5

Sustainability of Lowermost Nav Channel

- Dynamic ORCS operations could increase down river flows to mitigate shoaling & saltwater migration.
- Crevasses & outfall areas require improved management to reduce shoaling.

6

Water Supply

- Low water conditions may require changes in upriver dam and reservoir operations.
- Reconnecting to secondary channels and oxbows can mitigate groundwater depletion.



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT FY 2025 ALLOCATIONS

Account	FY2025 Allocations
Investigations	\$7.16M
Construction	\$9.0M
MR&T Investigations	\$0.8M
MR&T Construction	\$13.71M
MR&T O&M	\$71.98M
O&M	\$382.49M
Total	\$485.15M



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



**LMR Comp Study Phase 0 Kickoff Meeting
14-15 Feb 23**



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



Charenton Flood Gate Groundbreaking - 27 Feb 23



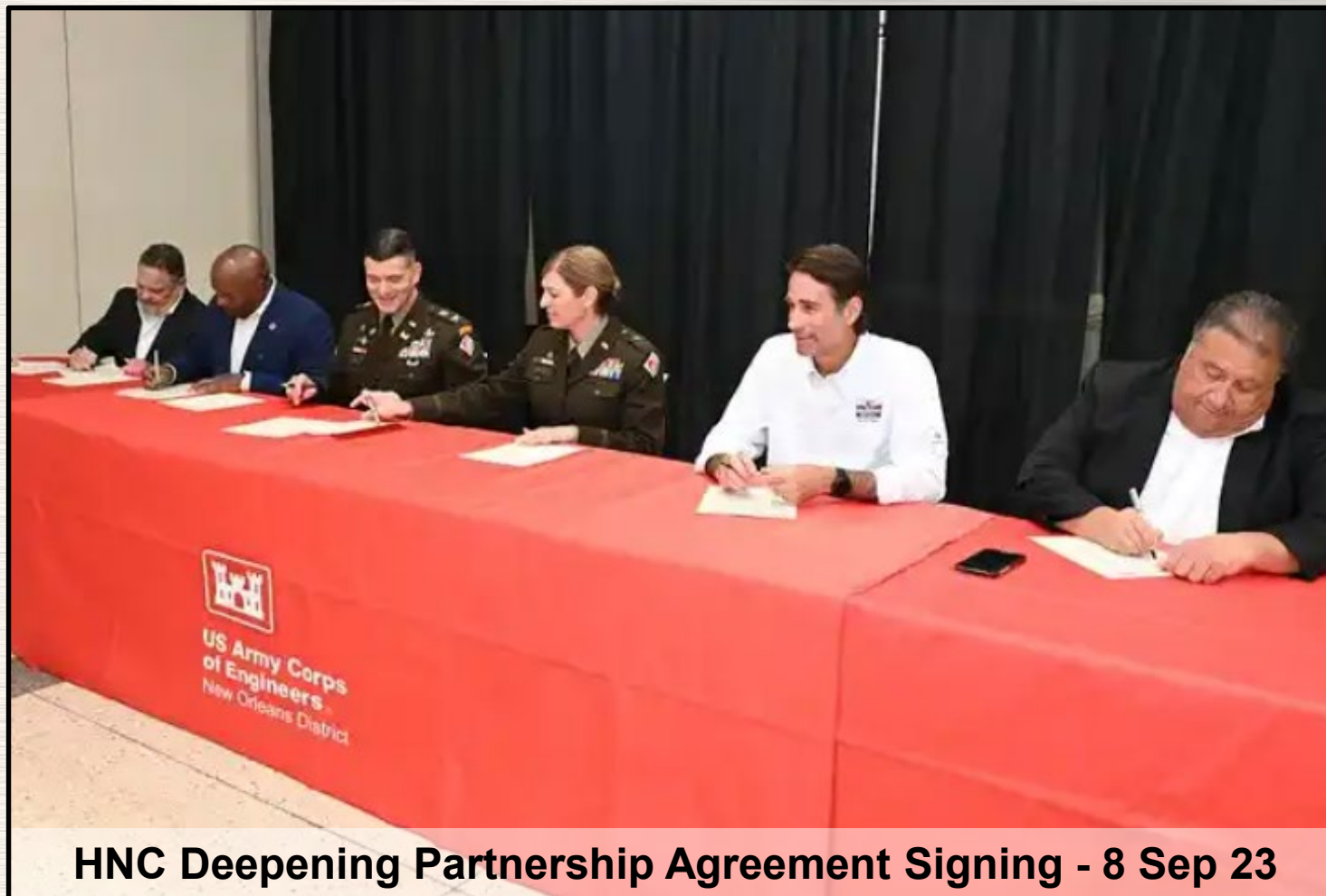
U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



St. Tammany Parish Feasibility Study Meeting - 26 Feb 24



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



CPRA Meeting with Chief of Engineers - 10 Jun24



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



SW Coastal Groundbreaking Ceremony - 16 Oct 24



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



**River Reintroduction to Maurepas Swamp Groundbreaking
3 Dec 24**



U.S. ARMY



US Army Corps
of Engineers®



USACE NEW ORLEANS DISTRICT FLOOD RISK MANAGEMENT IT'S A TEAM SPORT



PSA with Tony Alford (CPRA, TLCD), COL Jones (MVN), & Glenn Ledet (CPRA)



U.S. ARMY



US Army Corps
of Engineers®



NEW ORLEANS DISTRICT CHANNELS
FOLLOW FOR THE LATEST NEWS AND EVENTS

www.mvn.usace.army.mil



www.facebook.com/usacenola



www.instagram.com/usace_nola



twitter.com/usacenola



LinkedIn - New Orleans District



U.S. ARMY



**US Army Corps
of Engineers®**