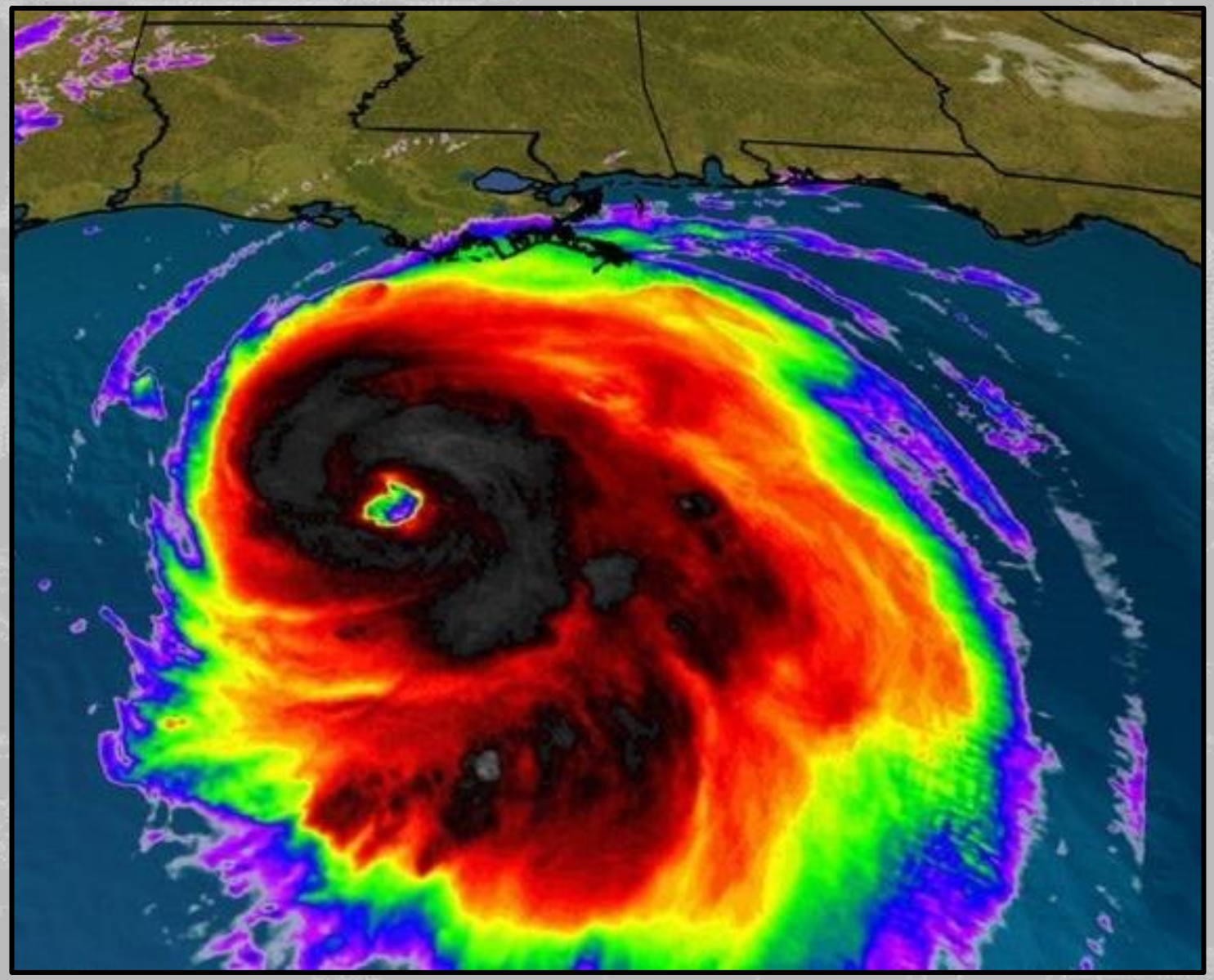
New Orleans District Hurricane Preparation

CPRA-B



Heath Jones
Emergency Manager,
New Orleans District

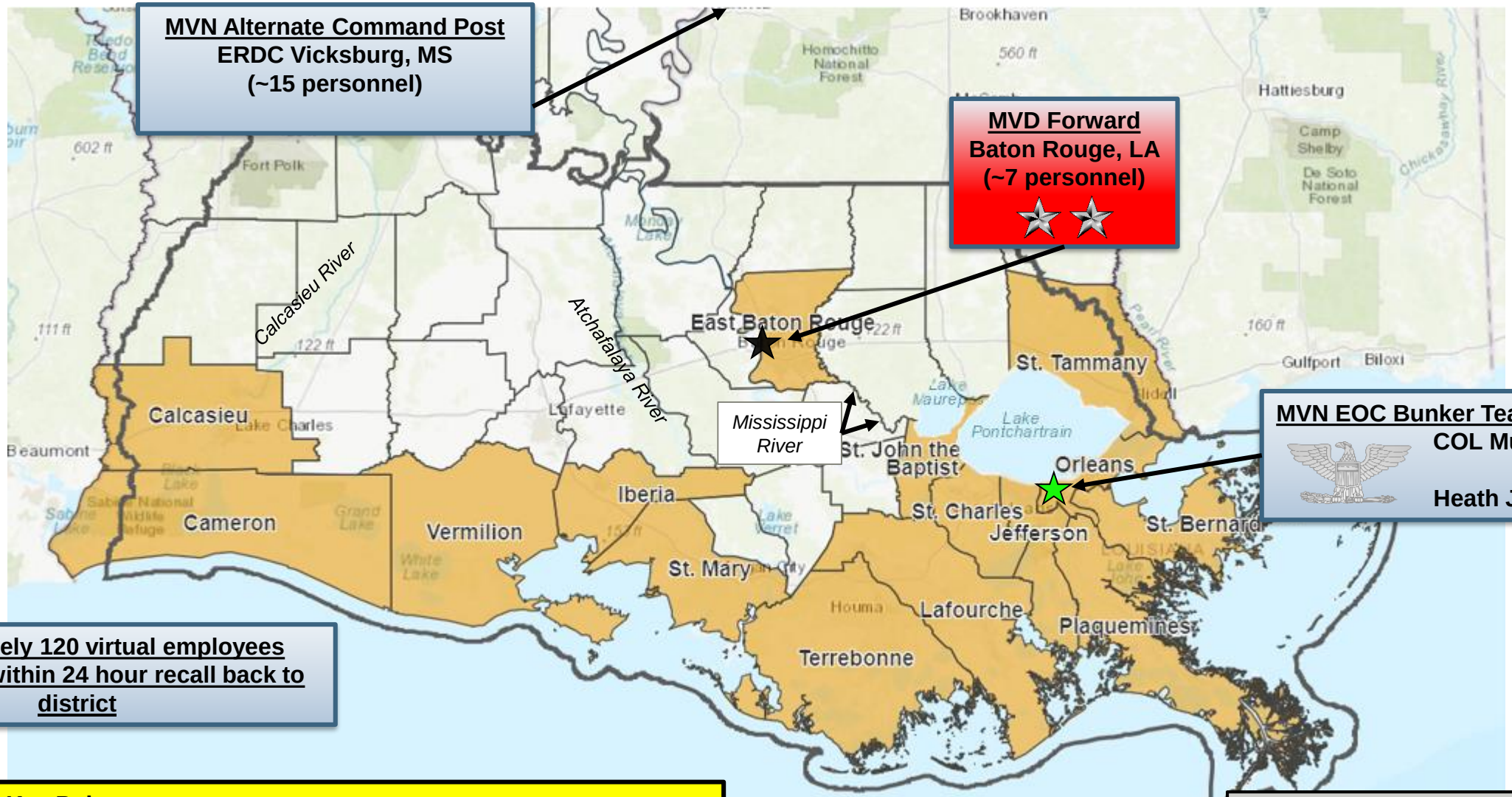
15 June 2022

US Army Corps of Engineers®

KEY MVN COMMAND AND CONTROL LOCATIONS

MVN Alternate Command Post
ERDC Vicksburg, MS
(~15 personnel)

MVD Forward
Baton Rouge, LA
(~7 personnel)



MVN EOC Bunker Team (22)
COL Murphy
Heath Jones

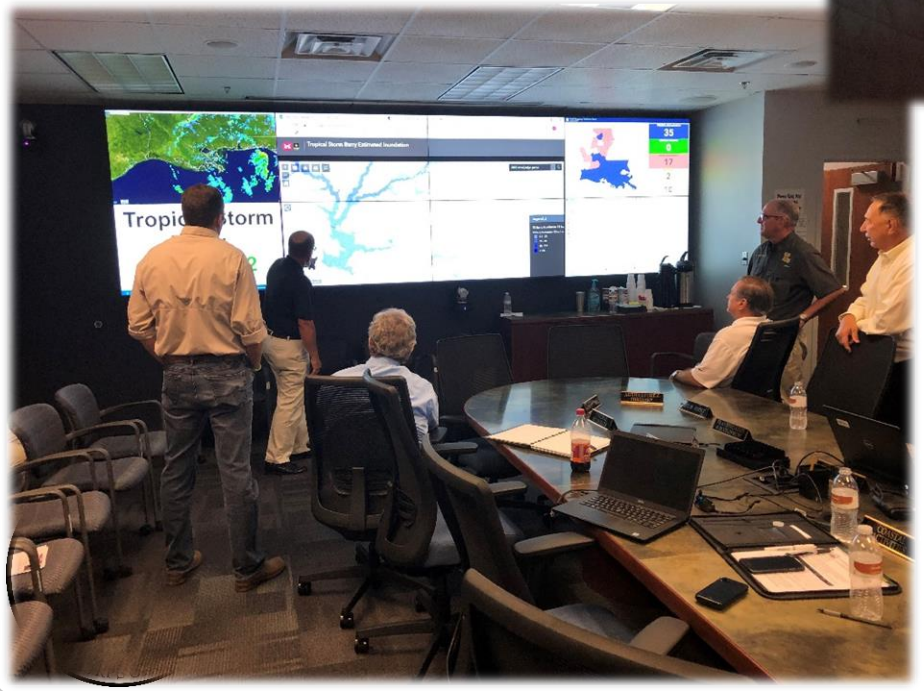
Approximately 120 virtual employees at locations within 24 hour recall back to district

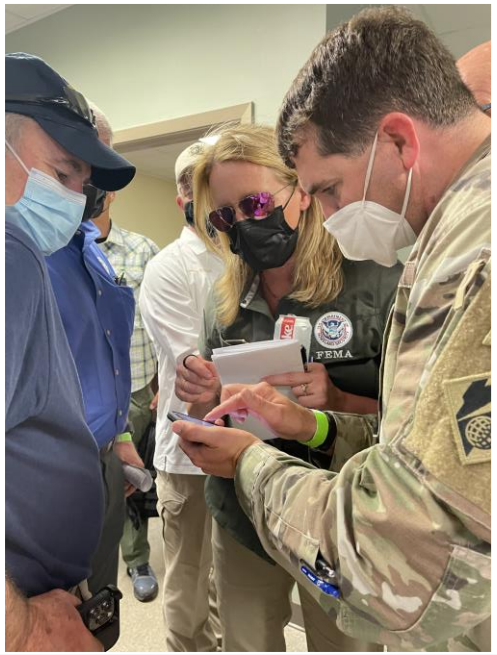
Key Points
- **MVN is well-integrated into LA EM system & operations.**
- **Key for MVD: movement into LA by ground will be extremely difficult once Contra-Flow enacted (H -30 to H -6).**

MVN LGLs deploy to Coastal Parishes & key state agencies
(~35 personnel, 2-person teams)

Dark Grey Line = MVN Boundary
Orange = Supported LA Parishes
MVN District HQ
REOC and MVN Forward

COLLABORATION



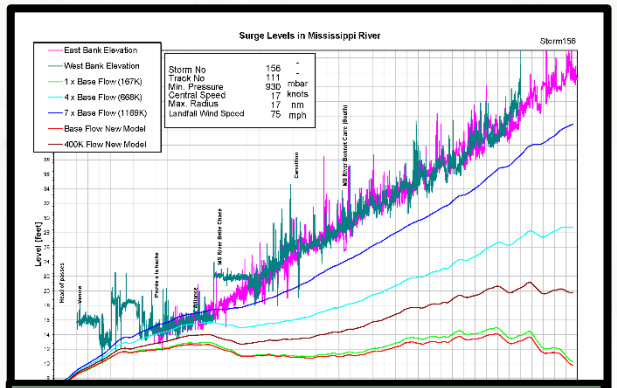


GICA

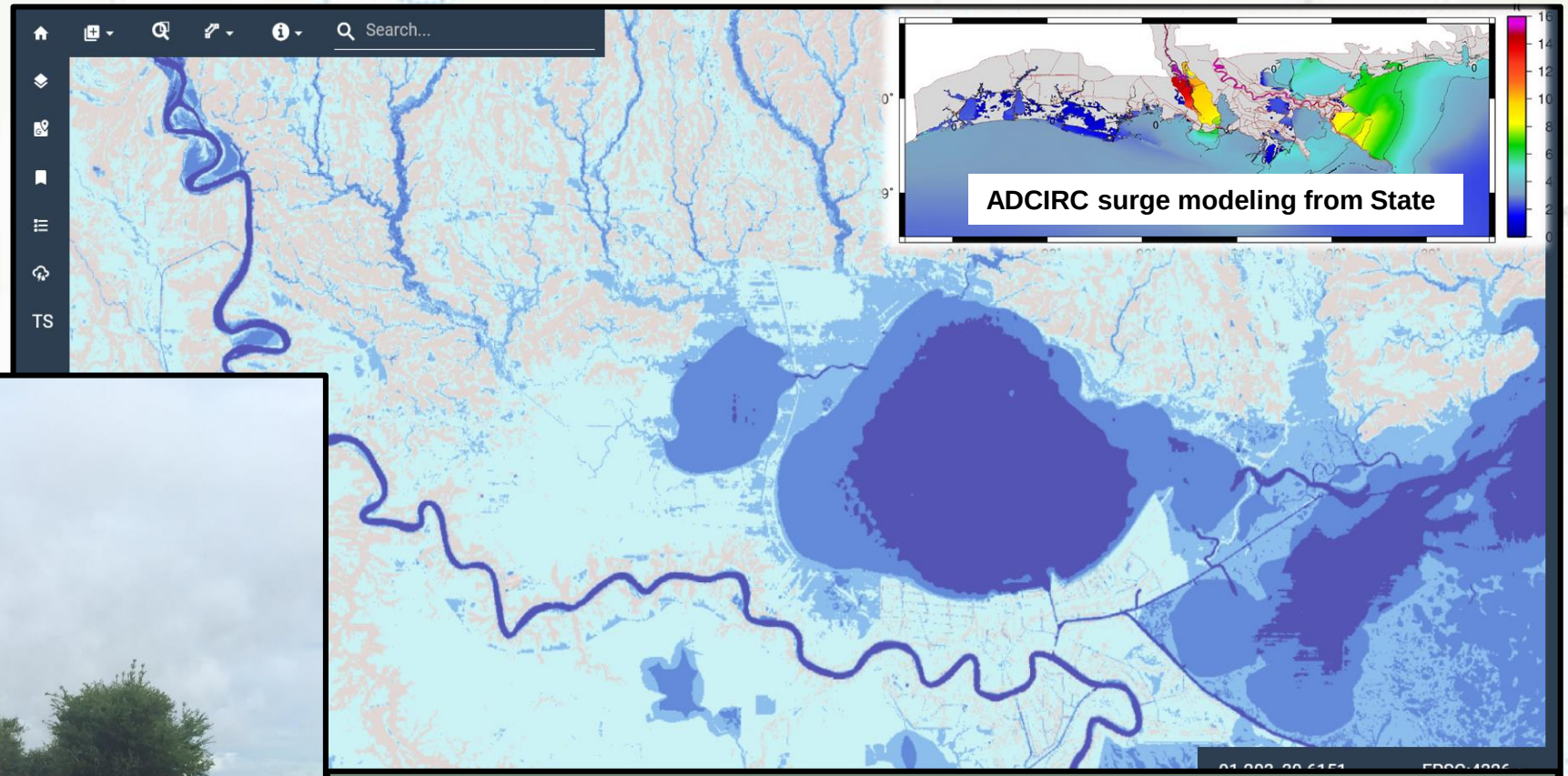
entergy

The American Waterways Operators
The Tugboat, Towboat & Barge Industry Association

INUNDATION MAPPING



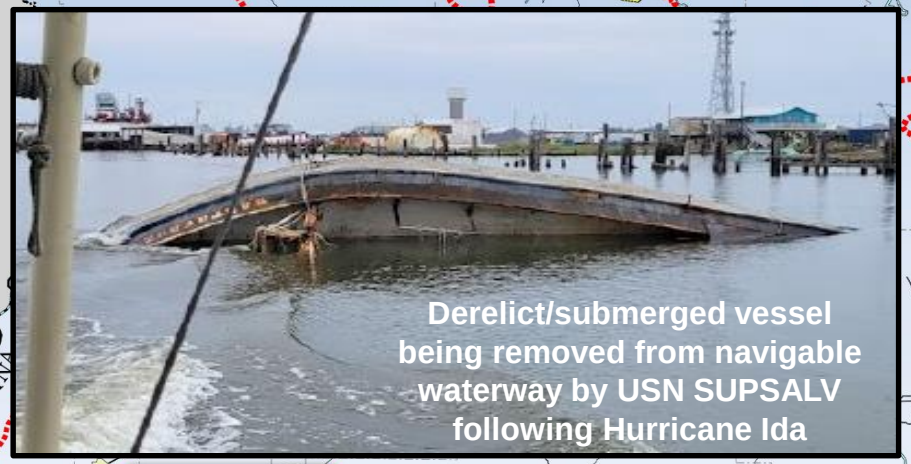
MVN-produced plot of high-river vs storm surge



MVN-produced Inundation Map from TS Cristobal (rainfall + surge + river)

- USACE is closely partnered with CPRA and NWS
- USACE maps are publicly available
- USACE will produce maps for areas not covered by CPRA or where more details are needed for operations

KEY MVN INFRASTRUCTURE, WATERWAYS, AND LOCKS



Derelict/submerged vessel being removed from navigable waterway by USN SUPSALV following Hurricane Ida

High Tension Power Line tower downed by Hurricane Ida closes navigation on the Mississippi River

Old River Lock

Port Allen Lock

Calcasieu Saltwater Barrier

Calcasieu River Lock

Bayou Sorrel Lock

Keystone Lock & Dam

Leland Bowman Lock

Catfish Point Control Structure

Bayou Schooner Control Structure

Freshwater Bayou Lock

East & West Calumet Floodgates

Berwick Lock

Bayou Boeuf Lock

IHNC Lock

Harvey Lock

Algiers Lock

Empire Floodgate

Atchafalaya River

Mississippi River

G.I.W.W.

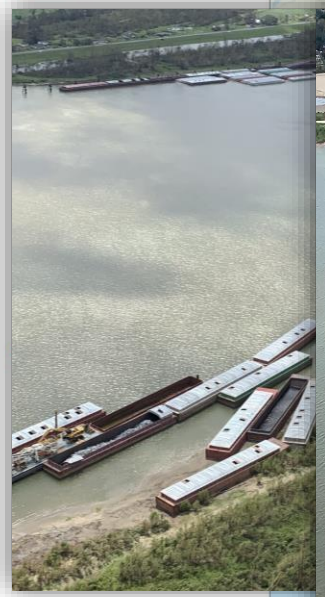
Southwest Pass

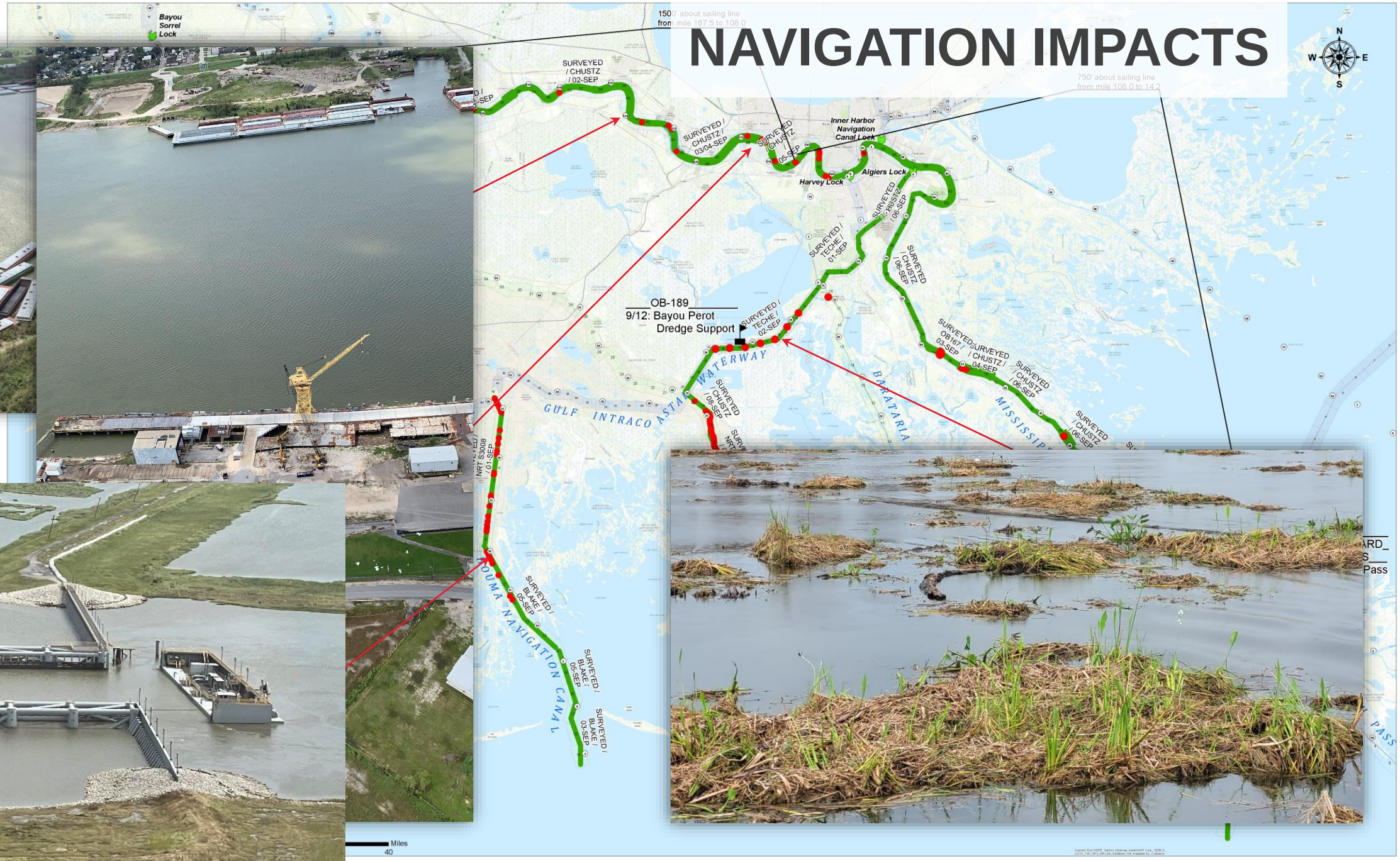
LEGEND

- Mississippi River Levees (MRL)
- MVN District Boundary
- Water Control Structures
- Locks

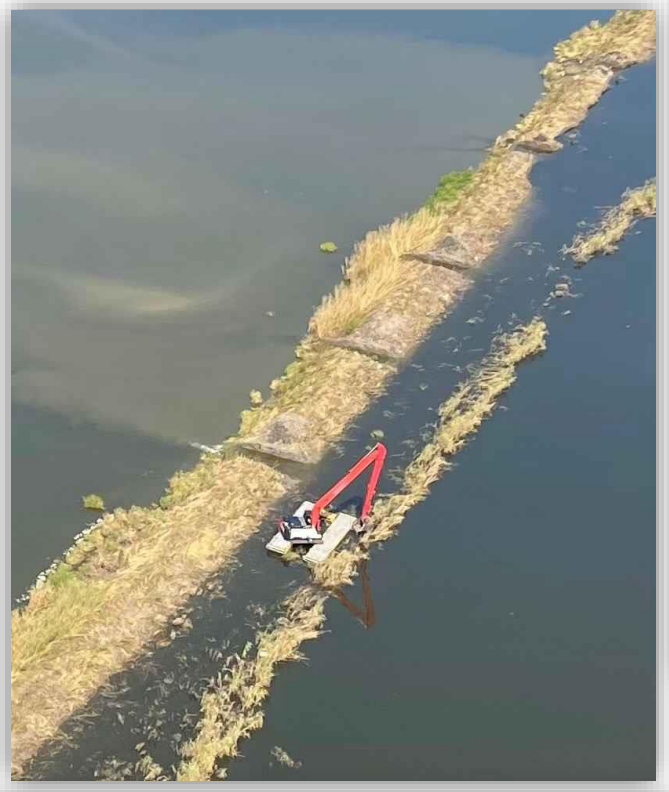
New Orleans District
Operations Division
Technical Support Branch
Channel Survey Section

NAVIGATION IMPACTS

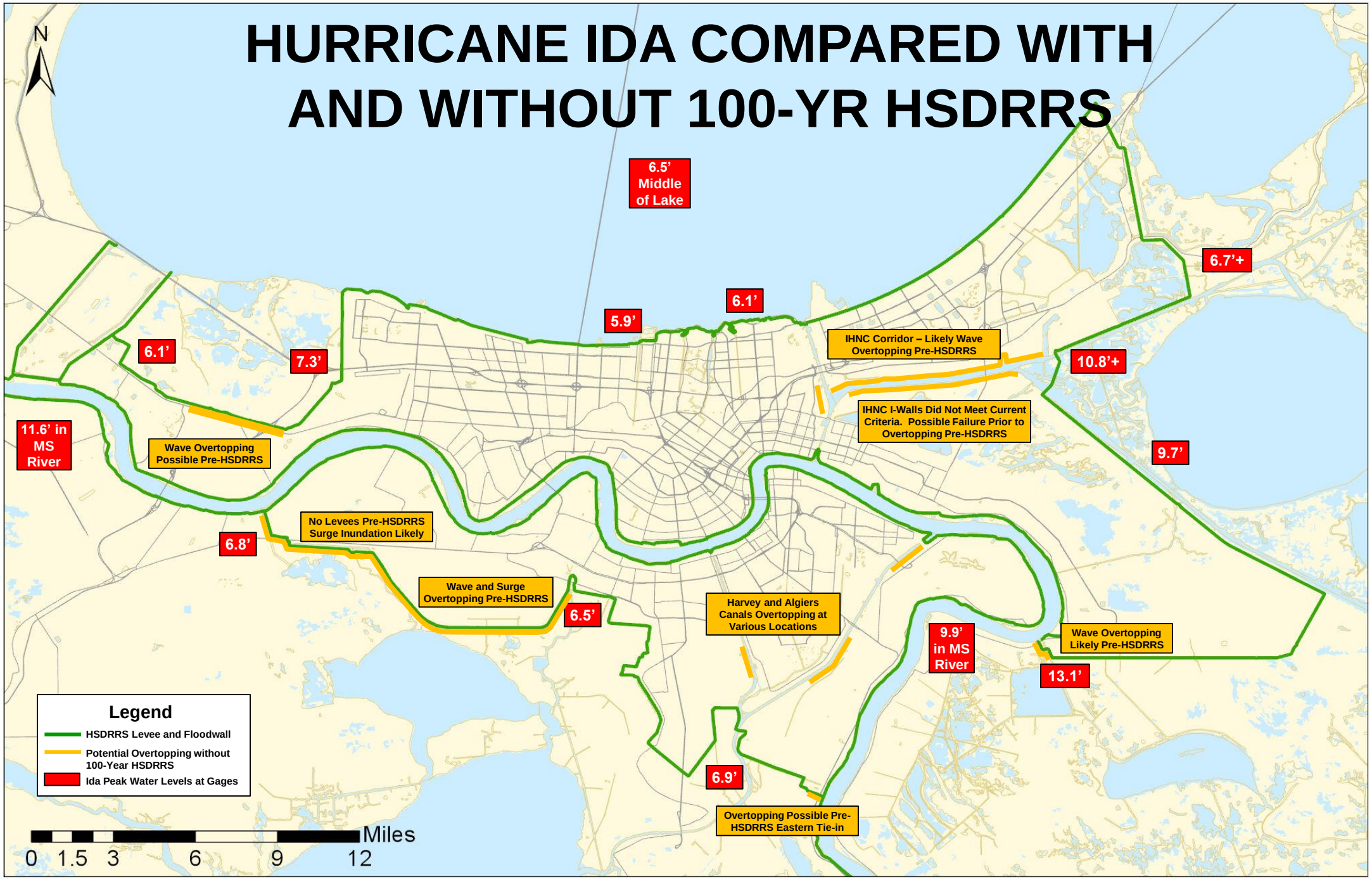




UNWATERING MISSION
$8.5 MILLION



HURRICANE IDA COMPARED WITH AND WITHOUT 100-YR HSDRRS

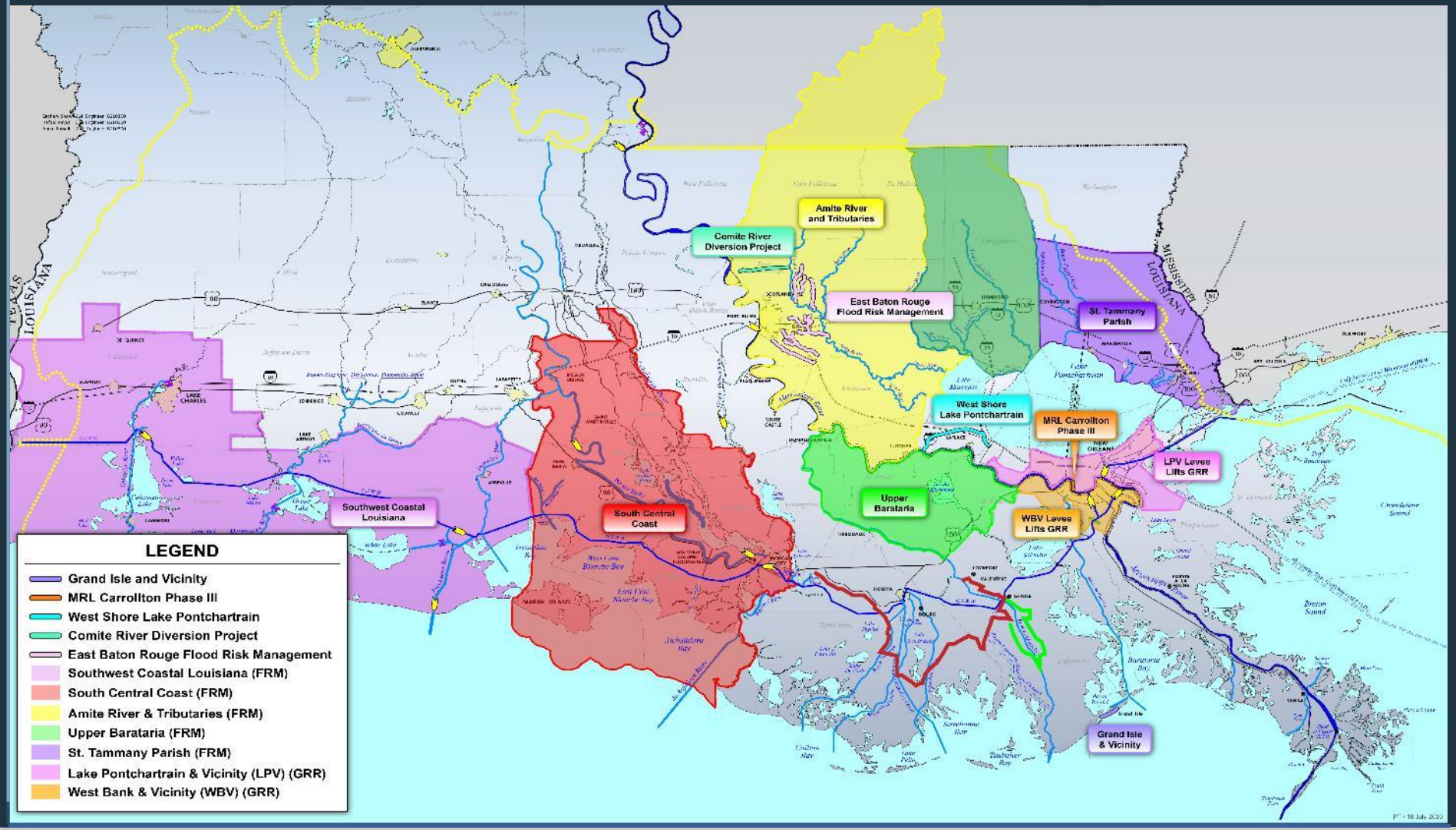


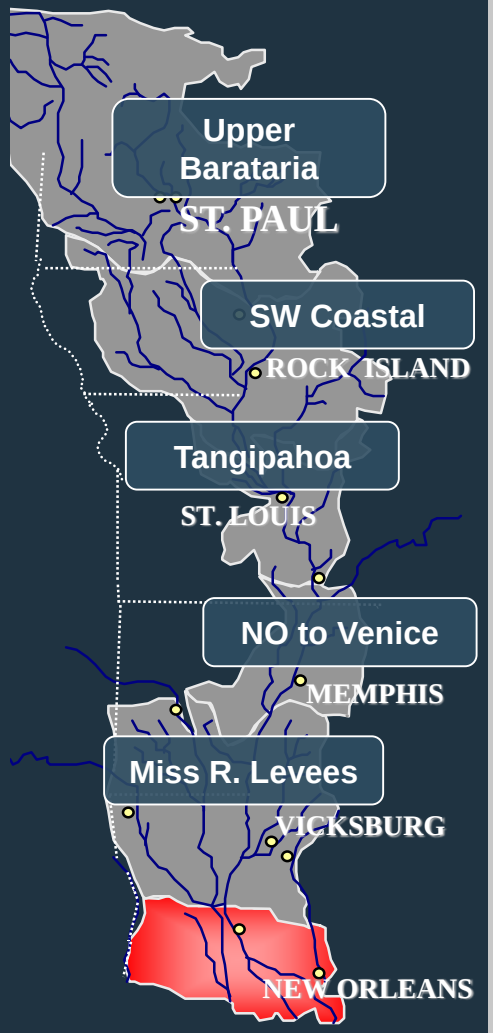
HSDRRS TURNOVER AND CONTINUED INVESTMENT

USACE NEW ORLEANS DISTRICT UPDATE

National Commitment to South Louisiana with Regional Delivery

Flood Risk Management





Questions

HSDRRS St. Bernard Floodwall Construction, May 30, 2011 – Southern Reach