

New Orleans District Hurricane Preparation

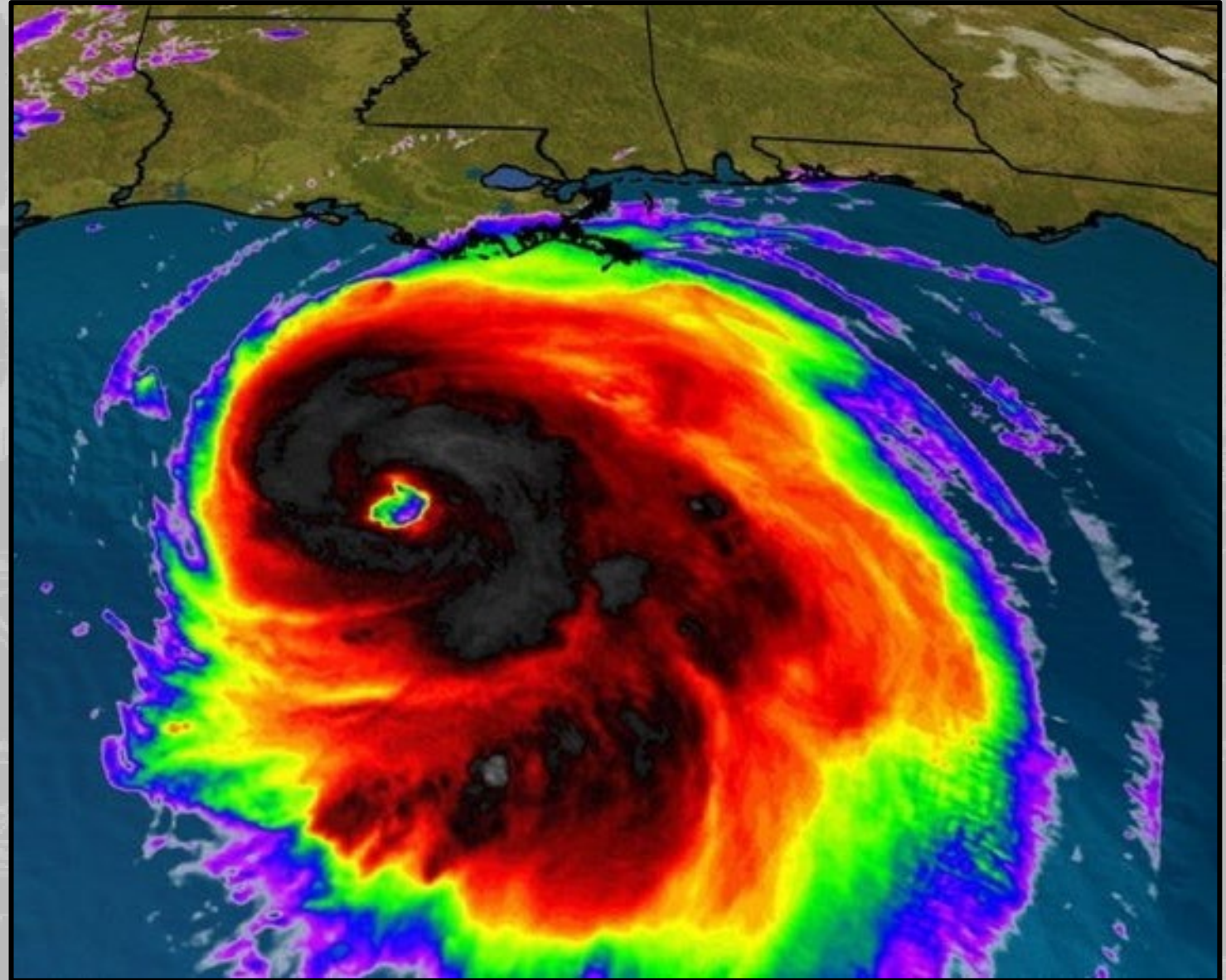
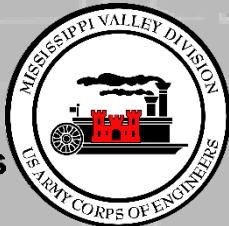
Coastal Protection and Restoration Authority Board Meeting

COL Stephen Murphy
Commander,
New Orleans District

19 MAY 2021

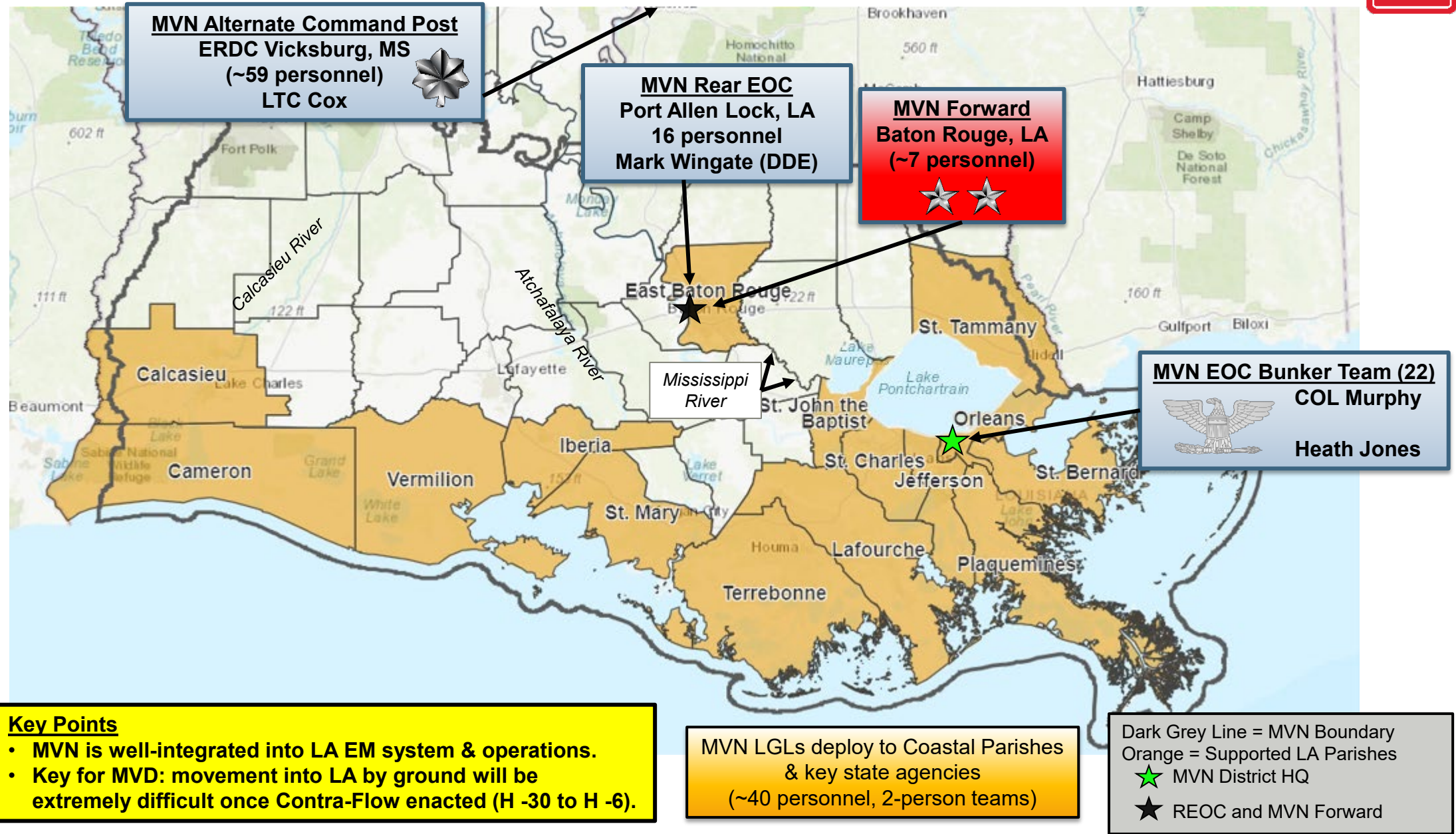


US Army Corps
of Engineers®

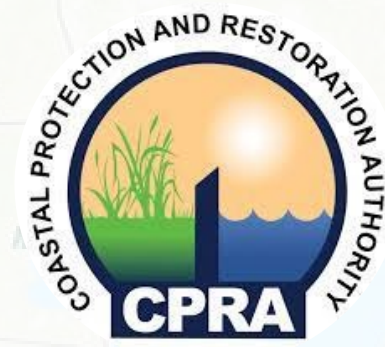
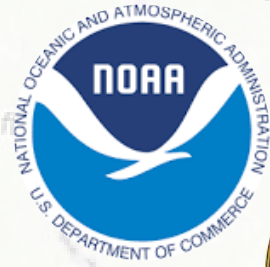




KEY MVN COMMAND AND CONTROL LOCATIONS



COLLABORATION



KEY MVN INFRASTRUCTURE, WATERWAYS, AND LOCKS

Offshore oil platform
“drifting” in Calcasieu
Bar Channel following
Hurricanes Laura & Delta



Old River
Lock

Port Allen
Lock

Bayou Sorrel
Lock

Keystone
Lock & Dam

Leland Bowman
Lock

Berwick
Lock

Bayou Boeuf
Lock

IHNC
Lock

Harvey
Lock

Algiers
Lock

Empire
Floodgate

High-Tension Power
Lines downed in GIWW

Electric tower destroyed
by Hurricane Laura in
GIWW



Calcasieu
Saltwater Barrier

Calcasieu
River Lock

Catfish Point
Control Structure

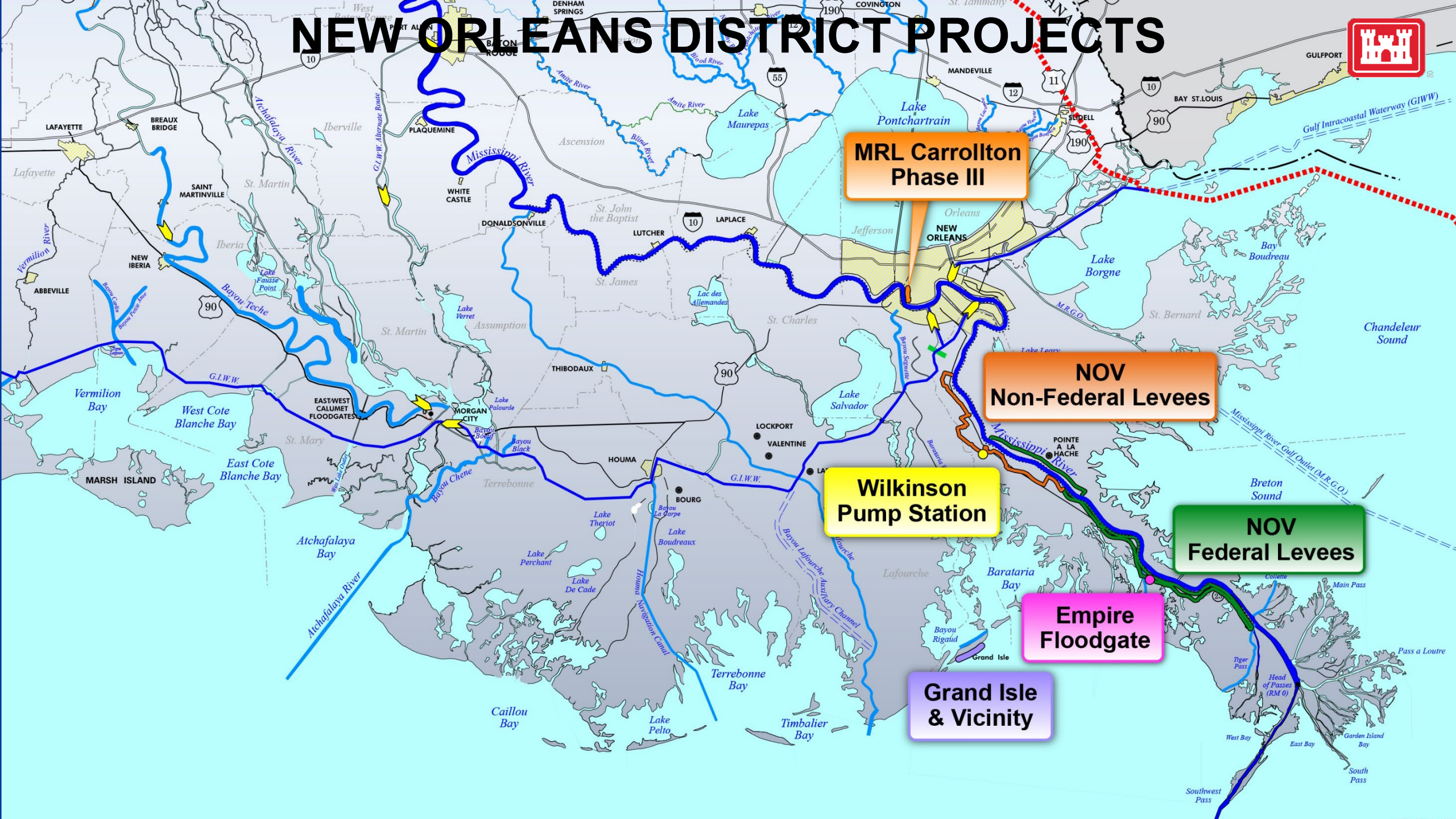
Bayou Schooner
Control Structure

Freshwater
Bayou Lock

East & West
Calumet Floodgates

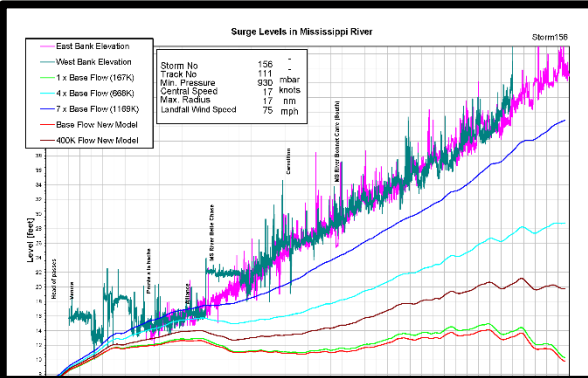
LEGEND

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

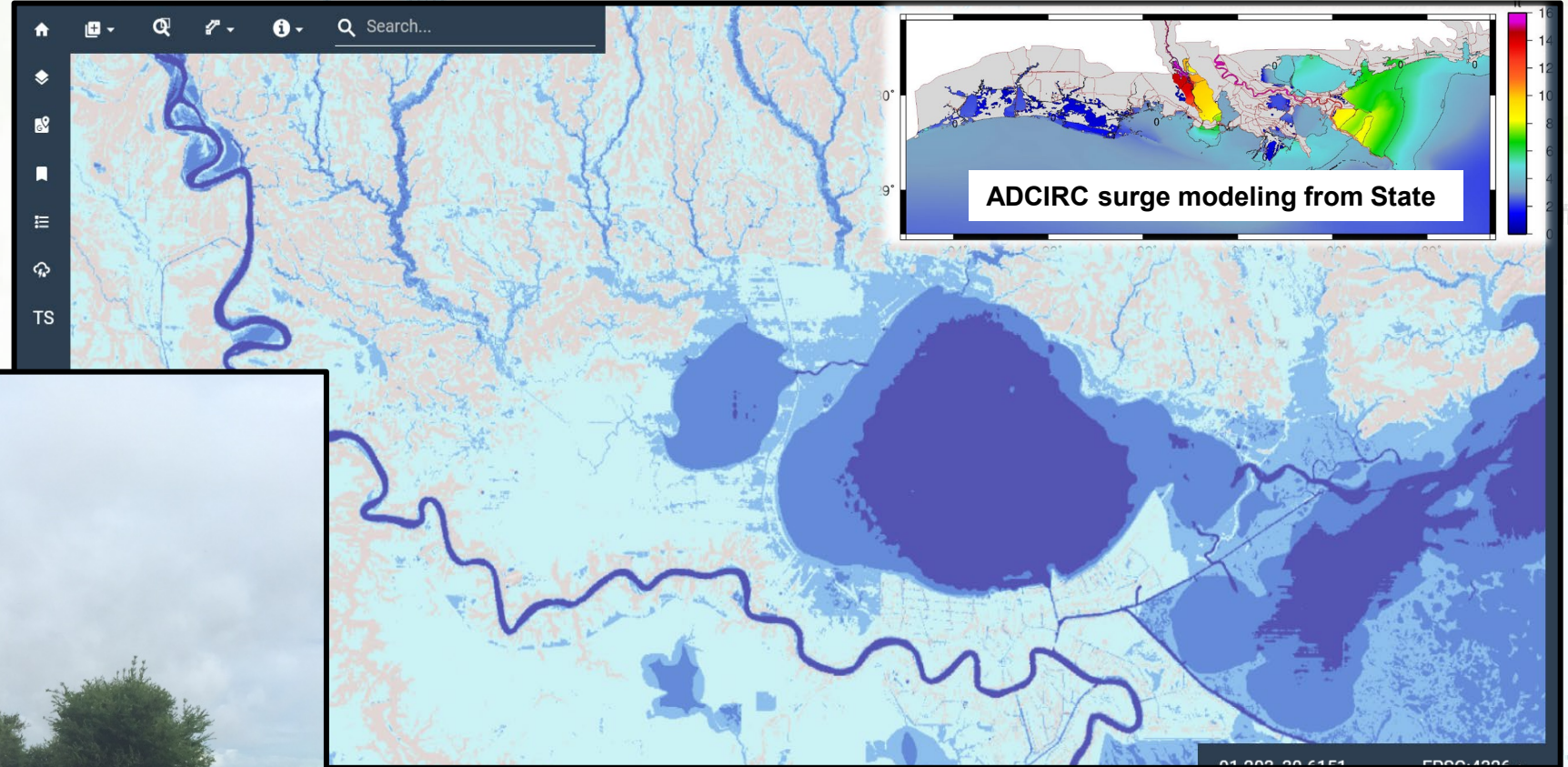




INUNDATION MAPPING



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



NEW ORLEANS DISTRICT BBA-18 STUDIES

Potential Flood Risk
Management Investments:
~\$10B

Amite River
and Tributaries

St. Tammany
Parish

South Central
Coast

LPV Levee
Lifts GRR

Upper
Barataria

WBV Levee
Lifts GRR

LEGEND

- St Tammany Parish
- South Central Coast (FRM)
- Upper Barataria (FRM)
- Amite River & Tributaries (FRM)
- Lake Pontchartrain & Vicinity (LPV) GRR
- West Bank & Vicinity (WBV) GRR

Questions

A large construction site at sunset. The sky is a deep orange, and the silhouettes of numerous tall cranes and construction structures are visible against the bright light. In the foreground, there are several vehicles, including cars and trucks, and some construction equipment. The overall scene is one of intense industrial activity.

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