

# NAVIGATION LOCKS

&

# MAJOR FLOOD CONTROL STRUCTURES



NEW ORLEANS DISTRICT  
US ARMY CORPS OF ENGINEERS













# A Stronger System Than Ever Before

**Total System Openings: 493**

    Navigable Openings: 11

    Roadway Openings: 144

    Railroad Openings: 45

    Access Openings: 134

    Drainage Openings: 159

**Lake Borgne Surge Barrier**

**Seabrook**

LAKE PONTCHARTRAIN

17th Street Canal  
(4.7 linear miles)

Orleans Av Canal  
(4.8 linear miles)

London Av Canal  
(6.1 linear miles)

IHC  
(9.9 linear miles)

GIWW/MRGO  
(18.5 linear miles)

**Harvey Floodgate**

**West Closure Complex**

LAKE  
CATAOUATCHE

Harvey Canal  
(7.9 linear miles)

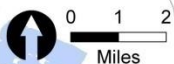
GIWW/Algiers Canal  
(17.5 linear miles)

**GREATER NEW ORLEANS HSDRRS  
CLOSURES/INTERIOR REACHES**

— HSDRRS (Perimeter Reaches)

— HSDRRS (Interior Reaches)

● Closure Structures/Gates

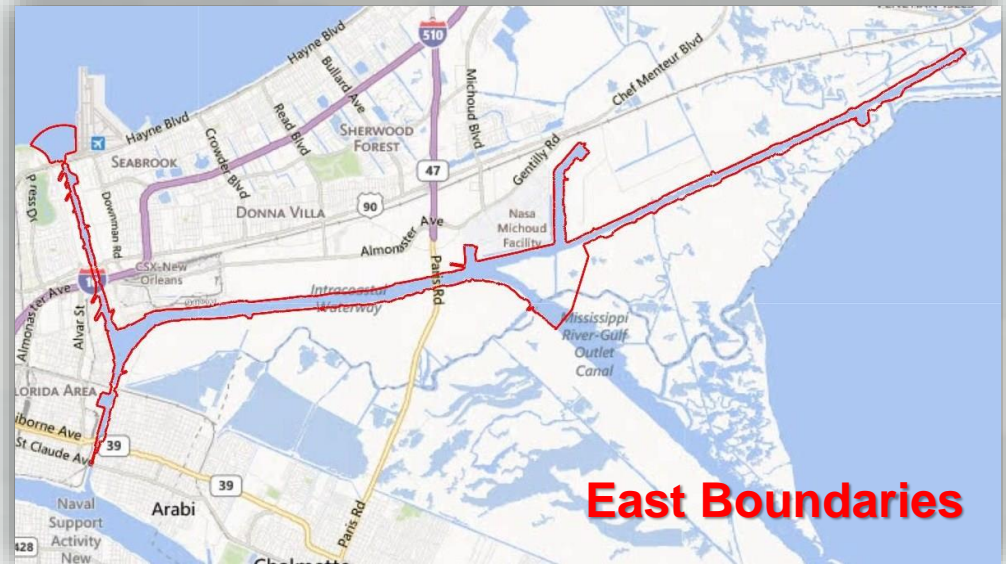




# Regulated Navigation Area

## Hurricane Response Coordination

- USCG lead for RNA
- MVN leads Navigation Restoration conference calls with NOAA-NWS, USCG, Corps, River Pilots, deep draft and shallow draft navigation associations 1-2 times per day during hurricanes
- Other participants include: SLFPA-E, SLFPA-W and Port of NO



# Trigger Points

## Throughout Hurricane Season

- New Orleans District tracks storms and storm development and makes recommendations for implementation of the rest of the plan based upon probability and severity of storm development.

## D-7 (*approx 1800 miles out and forecast to enter Caribbean or Gulf of Mexico*)

- Operations Division makes early contact with their respective Navigation Partners.

## D-5

- Begin implementation of site specific Hurricane Plans.
- Begin coordination of the Port Contingency Plan and Regulated Navigation Area (RNA) with the US Coast Guard.

## H-96 (*approx 1000 – 750 miles out*)

- Commence Navigation Restoration Conference Call, hosted by the Corps.
- **Consider one way navigation traffic at the locks to begin evacuation of the RNA into the River.**
- **Close the Barge Gate at the Lake Borgne Surge Barrier.**

## H-72 to H-48

- Lock ops and waterways continue preparations and evacuation of the RNA.

## H-48 to Landfall (*approx 500 miles out*)

- Complete system opening closures.
- **Major Structures, including Seabrook, Lake Borgne Surge Barrier, WCC closed.**
- Teams execute response operations to event.

## Landfall until complete

- Lock staffs maintain comms and remain staffed during the event.
- Teams brought back in as the response allows.

# ***2023 Hurricane Preparedness***

- **Preparedness Planning – Communication, Cooperation & Collaboration**
  - Monthly RNA inspections with the USCG, SLFPA & Port of New Orleans
  - Developing a monthly lock throughput analysis with the vessel count.
  - Coordinating hurricane response plans with USCG, local levee districts and the State
  - Maintaining a closure tracking system (LIMS) for all HSDRRS openings with SLFPA E&W and the State of LA
  
- **Preparedness Exercises: 2023**
  - We hosted a dry run Navigation Restoration Conference Call. Michelle Kornick leads these calls. Please provide current contact info.

