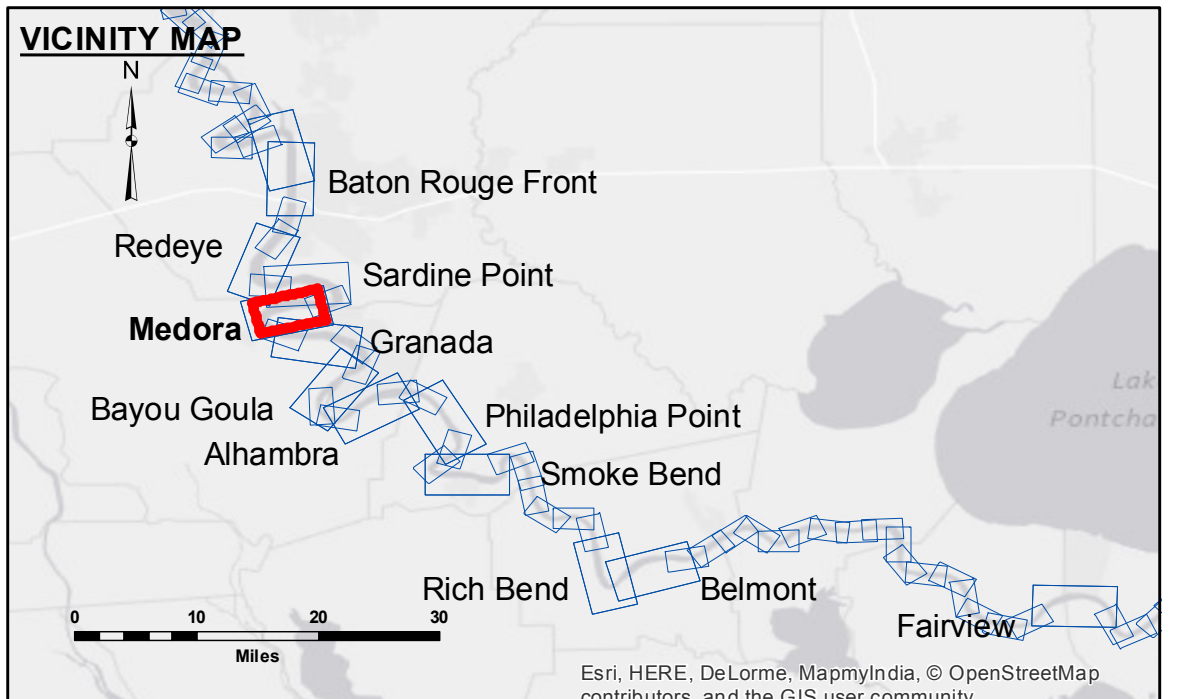


**DISCLAIMER:** The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended. The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended.

DIKE NO.	DIKE ELEVATION
1	-10' NGVD OR -12' LWRP
2	-4' NGVD OR -6' LWRP
3	-2' NGVD OR -0.1' LWRP



**LEGEND**

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- ..... Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- ⊗ Obstruction Point
- ✈ Wrecks-Submerged
- Borrow Area
- Shoalest Sounding\*\*
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◆ Green Navigation Buoy
- 0' and above
- 0' to -5'
- 5' to -10'
- 10' to -20'
- 20' to -30'
- 30' to -35'
- 35' to -40'
- 40' to -45'
- 45' and below

**NOTES:**

Horizontal Coordinate System:  
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.

Vertical Datum:  
Soundings are shown in feet and indicate depths below Low Water Reference Plane 2007 (NGVD).  
Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.

The location of navigation aids are based on and provided by the U.S. Coast Guard and USACE crew.  
2010 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is N.O.A.A. Navigation Chart No. 11370.

\*\* Shoalest Sounding per Quarter per Reach.

\*\*\* High frequency (200 kHz) survey data represents the first signal return at a sounding location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz) survey data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom material. Low frequency accuracies may vary depending on channel conditions and bathymeter settings.

LWRP: 2.1  
Gage Reading: BR:9.17 D:6.4 USED:8.30 NGVD  
Sea Conditions: CALM  
Vessel Name: M/V OB189  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

Scale: 0 500 1,000 1,500 2,000 2,500 Feet

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: DR,JA	Plotted By: BITD
Recommended: Chief, Survey Section	Checked By: MSK	Checked By: MSK
Approved: Chief, Waterways Maintenance Section		

**MISSISSIPPI RIVER - B.R. TO GULF  
MEDORA RECON  
MR\_08\_MED\_20151030  
30 October 2015**

**Sheet Reference Number  
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