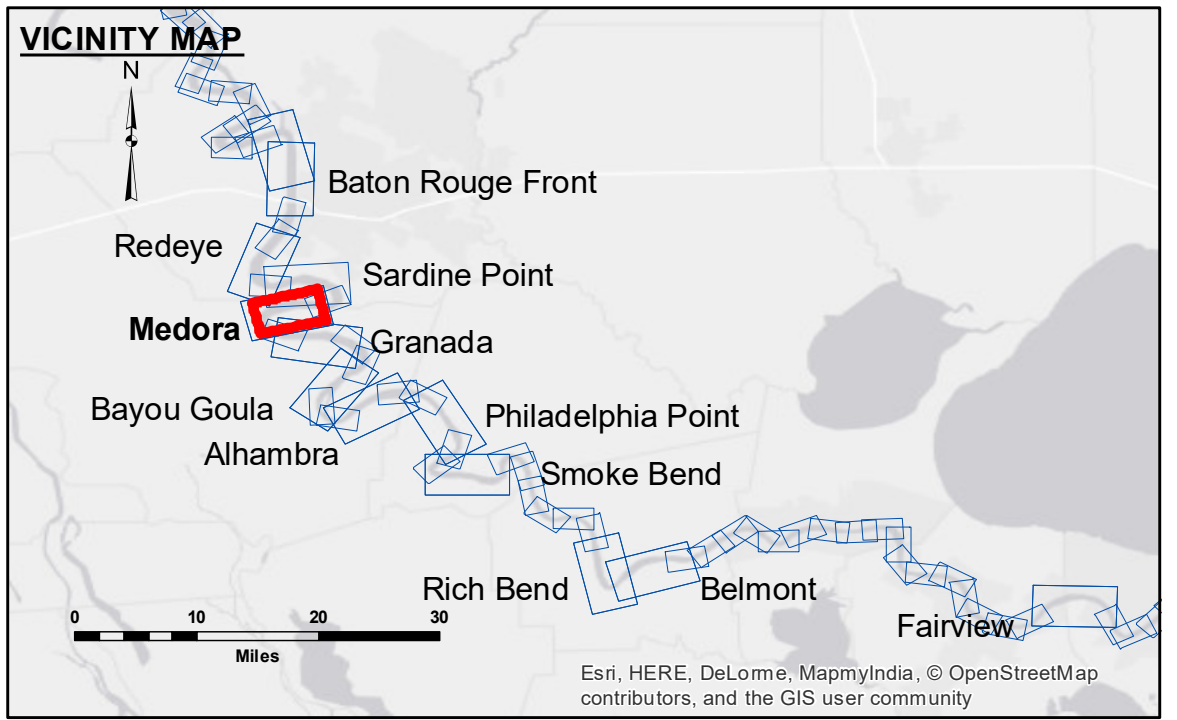


DISCLAIMER: The data represents the results of data collection processing for a specific US Army Corps of Engineers project. The data is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results. The application of the data for other than its intended purpose is not recommended. Hydrographic survey data is subject to change due to several factors including but not limited to dredging, accretion, and scour. The user should verify the data for changes in the hydrographical conditions when developing after the date of the survey. The information depicted on this map represents the results of a survey conducted on the date indicated. The user is responsible for the accuracy of the information. The user should not rely solely on this map.

Submitted:	RYLAND/SONNIER
Recommended:	Checked By: AC
Approved:	Checked By: AC

**MISSISSIPPI RIVER - B.R. TO GULF
MEDORA RECON
MR_08_MED_20180510_CS
10 May 2018**

**Sheet Reference Number
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LEGEND		DIKE ELEVATION	
--- Federal Navigation Channel	○ Cable Area	1	-10 NGVD OR -12 LWRP
— Federal Navigation Center Line	□ Placement Area	2	-4 NGVD OR -4.1 LWRP
— As-built Pipeline/Cable	□ Anchorage Area	3	2 NGVD OR -0.1 LWRP
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point		
— Project Depth Contour	★ 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 base 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. 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 fathometer settings.

LWRP: 2.1
Gage Reading: BR:34.55 D:24.3 USED:31.4 NGVD
Sea Conditions: CALM
Vessel Name: OB-189
Survey Type: CONDITION
Sounding Frequency***: HIGH

Feet
0 500 1,000 1,500 2,000 2,500