



**LEGEND**

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

**LWRP:** 2.1  
**Gage Reading:** BR:14.1 D:7.8 USED:12.10 NAVD  
**Sea Conditions:** CALM  
**Vessel Name:** OB-189  
**Survey Type:** CONDITION  
**Sounding Frequency\*\*\*:** HIGH

**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 (NAVD).  
 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.  
 2015 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 fathometer  
 settings.



**DISCLAIMER**

Access Conditions: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were prepared, and that the user is responsible for the results of any use of the data. The application of the data for other than its intended purpose is at the user's risk. The Corps of Engineers accepts no responsibility for changes in the hydrographical conditions when developed after the date of the survey. The Corps of Engineers does not warrant the accuracy of the data for any purpose other than that for which they were prepared. The information depicted on this map represents the results of a survey conducted on or about the date indicated. The Corps of Engineers does not warrant the accuracy of the data for any purpose other than that for which they were prepared. The information depicted on this map represents the results of a survey conducted on or about the date indicated. The Corps of Engineers does not warrant the accuracy of the data for any purpose other than that for which they were prepared.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted By:	Surveyed By:	Plotted By:
Chet, Survey Section	RYLAND/HOSHMAN	BD
Recommended By:	Checked By:	AC
Chet, Waterways Maintenance Section		

**MISSISSIPPI RIVER - B. R. TO GULF**  
**MEDORA CROSSING**  
**MD\_08\_MEDX\_20190927\_AD**  
**27 September 2019**

**Sheet Reference Number**  
**8 of 97**

Revision Number: 4.0-20190702