



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' to 50'
			■ -50' and below

LWRP: 1.2
 Gage Reading: D:10.9 R:8.0 USED:9.60 NAVD
 Sea Conditions: CALM
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

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

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.
 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.

US Army Corps of Engineers District: CEMVN

ACCESS RESTRICTIONS: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are for general information and are not intended for any particular purpose and the user is responsible for the accuracy, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the accuracy, reliability, usability or suitability of the information for other than its intended purpose. Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and other factors. The data is not intended for use in navigation. The data is provided as a service to the user. The user should not rely on the data for navigation purposes. The information depicted on this map represents the results of a survey conducted in accordance with the standards and specifications of the U.S. Army Corps of Engineers and is not intended to be used for navigation purposes. The user is responsible for the accuracy, reliability, usability or suitability of the information for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	RYLAND/SOUKI
Recommended:	CHIEF SURVEY SECTION
Plotted By:	BD
Checked By:	AC
Approved:	CHIEF WATERWAYS MAINTENANCE SECTION

**MISSISSIPPI RIVER - B.R. TO GULF
 RICH BEND CROSSING
 MD_29_RIB_20220215_CS
 15 February 2022**

**Sheet Reference Number
 29 of 97**