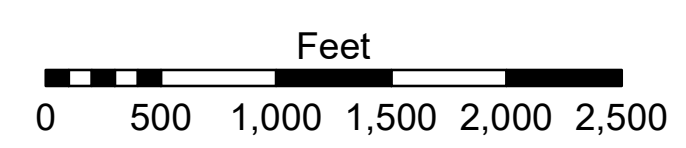
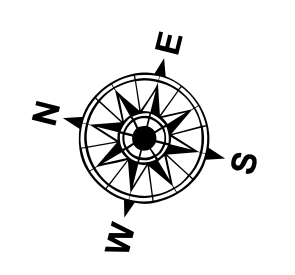


LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	⚓ Wrecks-Submerged
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
★ Beacon, General	◆ Green Navigation Buoy
◆ Red Navigation Buoy	
◆ Green Navigation Buoy	



LWRP: 1.2
 Gage Reading: D:5.9 R:4.5 USED:5.30 NAVD88
 Sea Conditions: CALM
 Vessel Name: M/V OB 189
 Survey Type: CS
 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.
 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.



Access Conditions: The United States Government makes these data and the recipient accepts and uses them with the express understanding that they are provided for informational purposes only and are not intended for navigation, engineering, or other purposes. The user is responsible for the results of any use of these data. The Corps of Engineers does not warrant the accuracy, reliability, usability or suitability for any particular purpose of the data. The Corps of Engineers does not accept any responsibility for damage or injury to persons or property resulting from the use of these data. The Corps of Engineers does not accept any responsibility for damage or injury to persons or property resulting from the use of these data. The Corps of Engineers does not accept any responsibility for damage or injury to persons or property resulting from the use of these data.

Submitted:	Surveyed By:
Recommended:	RYLAND/SIMMONS
Approved:	Plotted By:
Chief, Survey Section	JH
Chief, Waterways Maintenance Section	Checked By:
	JH

MISSISSIPPI RIVER - B.R. TO GULF
RICH BEND CROSSING
MD_29_RIB_20240814_CS
14 August 2024

Sheet Reference Number
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