



**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

**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.

LWRP: 1.4  
Gage Reading: BR:31.8 D:21.4 USED:21.4 NAVD  
Sea Conditions: CALM  
Vessel Name: OB-189  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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



**ACCESS LIMITATIONS:** 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 originally prepared. The user is responsible for the results, reliability, usability or suitability for any particular purpose of the data. The user shall indemnify and hold the United States Government harmless from all claims, damages, losses, and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the data for any purpose other than that for which they were originally prepared. The recipient may not transfer these data to others without the written consent of the United States Army Corps of Engineers. The recipient shall not be held responsible for the accuracy of the data or for any errors or omissions in the data. The recipient shall not be held responsible for the accuracy of the data or for any errors or omissions in the data. The recipient shall not be held responsible for the accuracy of the data or for any errors or omissions in the data.

Submitted:	Surveyed By:
Recommended:	RYLAND/RHODEN
Approved:	Plotted By:
Chief, Survey Section	BD
Chief, Waterways Maintenance Section	Checked By:
	AC

**MISSISSIPPI RIVER - B.R. TO GULF**  
**SMOKE BEND CROSSING**  
**MD\_22\_SMB\_20220505\_CS**  
**05 May 2022**

**Sheet Reference Number**  
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