



**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

**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.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: 1.2  
Gage Reading: D:16.5R:12.2 USED:14.7 NAVD  
Sea Conditions: CALM  
Vessel Name: OB-169  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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



**DISCLAIMER:** The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is not intended for use in any other project or for any other purpose. The user is responsible for the results of any application of the data for other than its intended purpose. Data Collection Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions which develop after the date of the survey. The US Army Corps of Engineers is not responsible for changes in the hydrographic conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey conducted on the date indicated. It is not intended to represent the general condition existing at that time.

Submitted:	Chart, Survey Section
Recommended:	Chart, Survey Section
Approved:	Chart, Waterways Maintenance Section
Surveyed By:	SPPM
Plotted By:	AO
Checked By:	AO

**MISSISSIPPI RIVER - B.R. TO GULF  
RICH BEND CROSSING  
MD\_29\_RIB\_20210716\_CS  
16 July 2021**

**Sheet Reference Number  
29 of 97**

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