



**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 based 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. Navigation Chart No. 11370.  
\*\* Shoalest Sounding per Quarter per Reach.  
\*\*\* High frequency (200 kHz) surveyed 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: 2.1  
Gage Reading: BR:7.5 D:4.4 USED:5.80 NAVD  
Sea Conditions: CALM  
Vessel Name: M/V LAFORCHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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



**ACCESSORIES:**  
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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: <b>RYLAND/SIMMONS</b>	Plotted By: <b>BD</b>
Recommended:	Checked By:	Checked By:
Approved:	Chief, Survey Section	Chief, Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF  
BAYOU GOULA CROSSING  
MD\_13\_GOU\_20211209\_CS  
09 December 2021**

**Sheet  
Reference  
Number  
13 of 97**

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