



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
■ Shoaling Area	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
○ 0' and above	◆ Green Navigation Buoy
○ 0' to -5'	
○ -5' to -10'	
○ -10' to -20'	
○ -20' to -30'	
○ -30' to -35'	
○ -35' to -40'	
○ -40' to 45'	
○ -45' and below	

LWRP: 1.5
Gage Reading: BR:21.7 D:13.3 USED:14.0 NAVD88
Sea Conditions: CALM
Vessel Name: LAFORUCHE
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.
 2017 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.



DISCLAIMER:
 The United States Government makes these data and the recipient accepts and uses them with the express understanding that the data are provided "as is" and that the user is responsible for the accuracy, completeness, and reliability of the data for its intended use, content, time and accuracy. The user is responsible for the application of the data for other than its intended purpose.
 Data Constants 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 user is responsible for the accuracy of the data for its intended use. The information depicted on this map represents the results of a survey conducted on the date shown. The user is responsible for the accuracy of the data for its intended use. The user is responsible for the accuracy of the data for its intended use.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: RYLAND/SIMMONS
Recommended:	Plotted By: JH
Approved:	Checked By: JH

MISSISSIPPI RIVER - B. R. TO GULF
81 MILE POINT
MD_21_81P_20250107_CS
07 January 2025

Sheet Reference Number
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