



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
○ Green Navigation Buoy	◆ Green Navigation Buoy

LWRP: 1.5
Gage Reading: BR:24.2 D:15.7 USED:12.80 NAVD
Sea Conditions: CALM
Vessel Name: M/V 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. 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 information depicted on this map represents the results of a survey conducted under contract to the U.S. Army Corps of Engineers. The user is responsible for the results of the data and its application. The user is responsible for the results of the data and its application. The user is responsible for the results of the data and its application.

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

MISSISSIPPI RIVER - B.R. TO GULF
81 MILE POINT
MD_21_81P_20240304_CS
04 March 2024

Sheet Reference Number
21 of 97

Revision Number:
 4.2-20240428