



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
■ 0' and above	■ 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:22.1 D:13.3 USED: 14.10(NAVD)
 Sea Conditions: CALM
 Vessel Name: M/V LAFOURCHE
 Survey Type: CS
 Sounding Frequency***: HIGH

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.

NOTES:

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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	RYLAND/SIMMONS
Recommended:	Checked By: AD/JH
Approved:	Chief, Waterways Maintenance Section

MISSISSIPPI RIVER - B.R. TO GULF
81 MILE POINT
MD_21_81P_20240130_CS
30 January 2024

Sheet Reference Number
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