



LEGEND			
	Federal Navigation Channel		0' and above
	Federal Navigation Center Line		0' to -5'
	As-built Pipeline/Cable		-5' to -10'
	Unconfirmed Pipeline/Cable		-10' to -20'
	Project Depth Contour		-20' to -30'
	Cable Area		-30' to -35'
	Placement Area		-35' to -40'
	Anchorage Area		-40' to 45'
	Obstruction Point		-45' and below
	Beacon, General		Red Navigation Buoy
	Wrecks-Submerged		Green Navigation Buoy
	Shoaling Area		
	Shoalest Sounding**		

LWRP: 1.4
Gage Reading: BR.4.1 D:2.3 USED: 2.40 NAVD
Sea Conditions: CALM
Vessel Name: LAFOURCHE
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.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	RYLAND/SIMMONS
Recommended:	JHI
Approved:	JHI

MISSISSIPPI RIVER - B.R. TO GULF
81 MILE POINT
MD_21_81P_20230920_CS
20 September 2023

Sheet Reference Number
21 of 97

Revision Number:
 4.2-20200420



DISCLAIMER:
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