



LEGEND	
--- Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	⊗ Obstruction Point
..... Unconfirmed Pipeline/Cable	✈ Wrecks-Submerged
— Project Depth Contour	★ Beacon, General
	◆ Red Navigation Buoy
	◆ Green Navigation Buoy
	■ Shoaling Area
	● Shoalest Sounding**
	■ 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: 0.3
 Gage Reading: WP:5.6 EM:4.2 USED: 5.4 NAVD
 Sea Conditions: ROUGH
 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.



Access/Use: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are not to be used for any purpose other than that for which they were prepared or intended concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the recipient. The user is responsible for the results of the application of the data for other than its intended purpose. Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing river channel conditions, sedimentation, and other factors. The Army Corps of Engineers does not warrant the accuracy of the data for purposes other than those for which it was collected. The information depicted on this map represents the results of a hydrographic survey conducted on the date of the survey. The information is not to be used for any purpose other than that for which it was collected.

Submitted:	Surveyed By:
Recommended:	D/S/SPS
Approved:	Plotted By:
	AO
	Checked By:
	AC

MISSISSIPPI RIVER - B. R. TO GULF
POINT A LA HACHE - SHEET 3
MD_81_PH3X_20210519_CS
19 May 2021

Sheet Reference Number
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