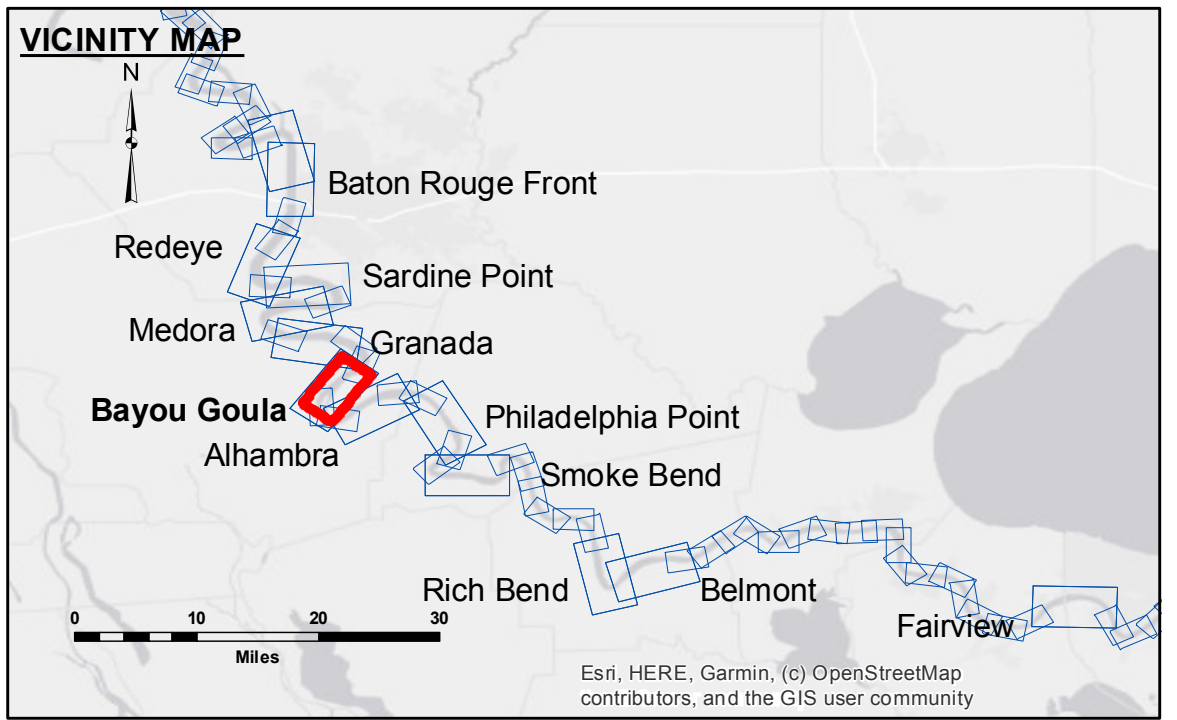


Accession: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were originally prepared or intended. The user is responsible for the results of any application of the data for other than its intended purpose. Data contained in this report are subject to change without notice. The user is responsible for the results of any application of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted on the ground and is not to be used for any purpose other than that for which it was originally prepared. The user is responsible for the results of any application of the data for other than its intended purpose.

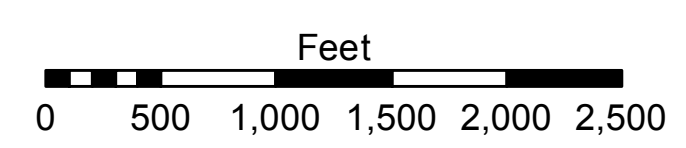
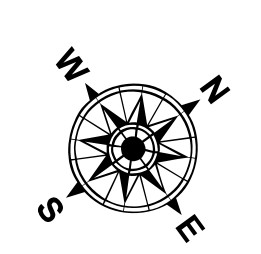
U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By:	Checked By:
Recommended:	DS/PS	JH
Approved:	Plotted By:	JH
	Chart Survey Section	Chart, Waterways Maintenance Section

**MISSISSIPPI RIVER - B. R. TO GULF
BAYOU GOULA CROSSING
MD_13_GOU_20210818_CS
18 August 2021**



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
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	◆ Red 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: 1.8
Gage Reading: BR:10.1 D:5.7 USED:7.7 NAVD
Sea Conditions: SMOOTH
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 based on and provided by the U.S. Coast Guard and USACE crew.
2015 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.

**Sheet Reference Number
13 of 97**