

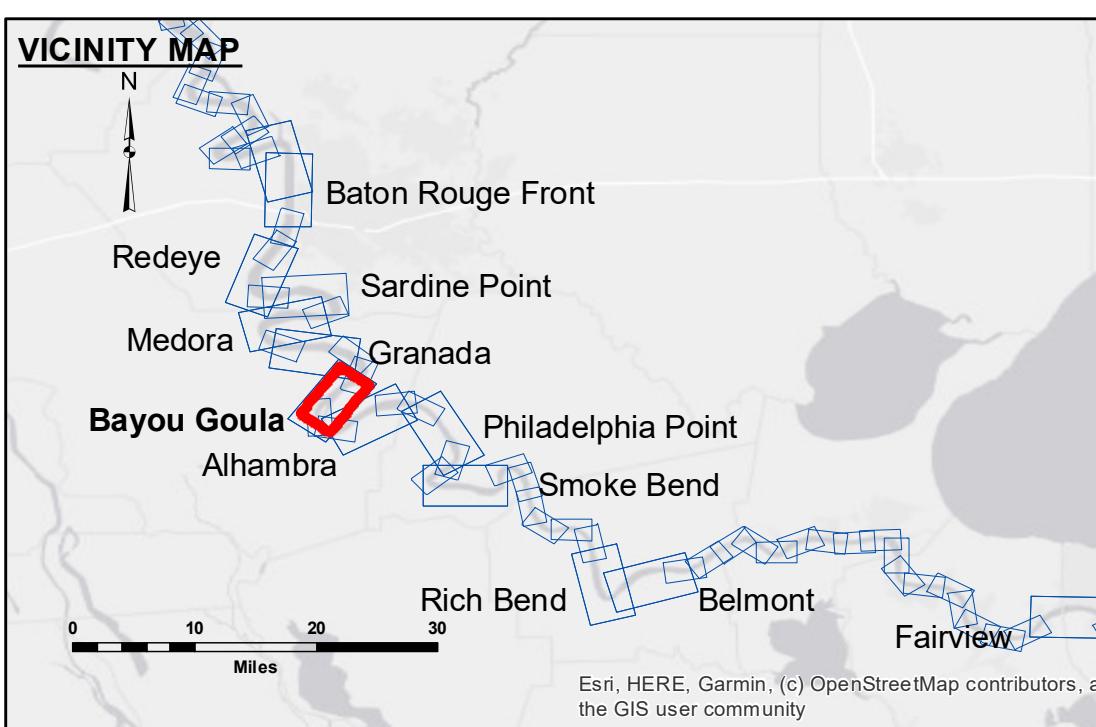

US Army Corps
of Engineers
District: CEMVN

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions as such. Such activities are not surveys and are not intended for navigation or engineering applications. The United States shall not be liable for any damages resulting from the use of the data or for any errors or omissions in the data. The user is responsible for the results of any application of the data for other than its intended purpose.

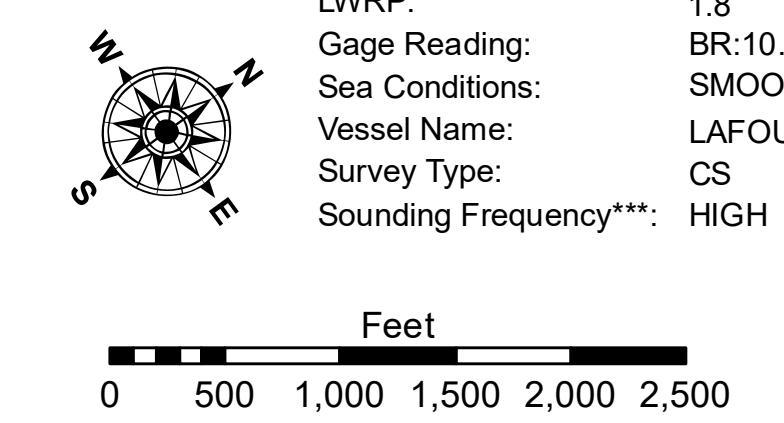
Data Constraints: Hydrographic survey data is subject to change due to several factors including but not limited to dredging operations, subsidence, shoaling, and scouring. The user is responsible for the hydrographic conditions which develop after the date of publication. This data is intended for U.S. Army Corps of Engineers use and shall not be used for navigation, engineering, or surveying purposes.

Disclaimer: The data is provided "as is" without warranty of any kind, either express or implied, including but not limited to the warranties of merchantability, fitness for a particular purpose, or non-infringement. The user agrees that the use of the data is at his/her own risk and the user will be solely responsible for any damage or loss resulting from such use.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.



LEGEND	
— Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	★ Beacon, General
— Project Depth Contour	⊗ Obstruction Point
	◆ Red Navigation Buoy
	◆ Green Navigation Buoy
	✖ Wrecks-Submerged
	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



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.
2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is N.O.A.A. Navigation Chart No. 11370.

** Shoal 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

Revision Number:
4.1-2019105

MISSISSIPPI RIVER - B.R. TO GULF
BAYOU GOULA CROSSING
MD_13_GOU_20201007_CS
07 October 2020