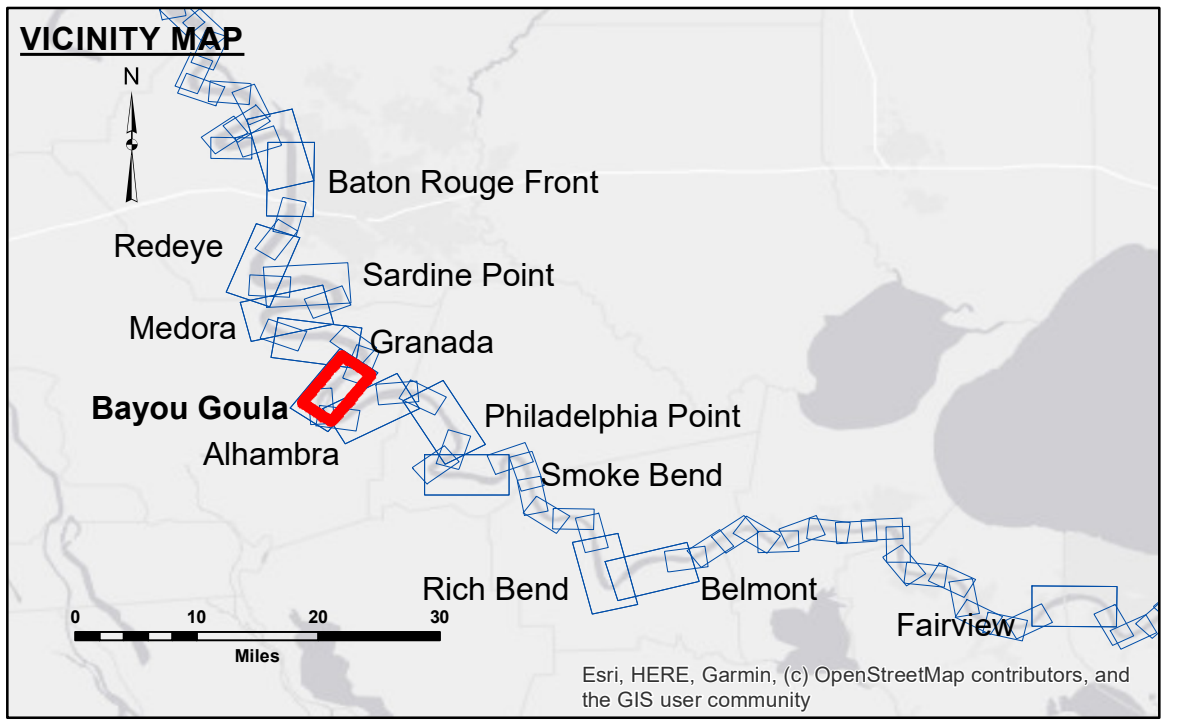


**DISCLAIMER**  
 The United States Government makes these data and the recipient accepts and uses them with the express understanding that the data are provided for informational purposes only and are not intended for navigation, construction, or any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data. The information depicted on this map represents the results of a survey conducted for a specific US Army Corps of Engineers project. The data are not intended for navigation, construction, or any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data. The information depicted on this map represents the results of a survey conducted for a specific US Army Corps of Engineers project. The data are not intended for navigation, construction, or any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data.

Submitted:	Surveyed By:	R/LAND/MOLLERE
Recommended:	Plotted By:	JH
Approved:	Checked By:	JH

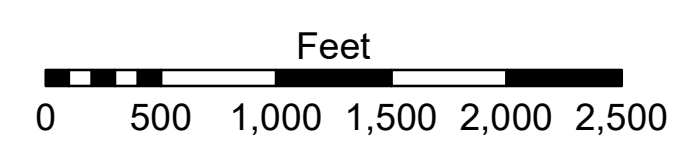
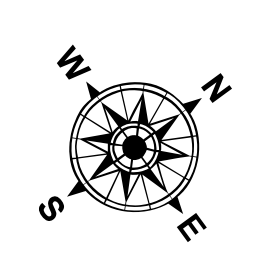
U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B. R. TO GULF**  
**BAYOU GOULA CROSSING**  
**MD\_13\_GOU\_20220608\_CS**  
**08 June 2022**



LEGEND		
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area
— Federal Navigation Center Line	■ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⚓ Wrecks-Submerged	◆ 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:27.8 D:18.3 USED: 22.40 NAVD  
 Sea Conditions: CALM  
 Vessel Name: M/V OB 167  
 Survey Type: CONDITION  
 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. 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**  
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