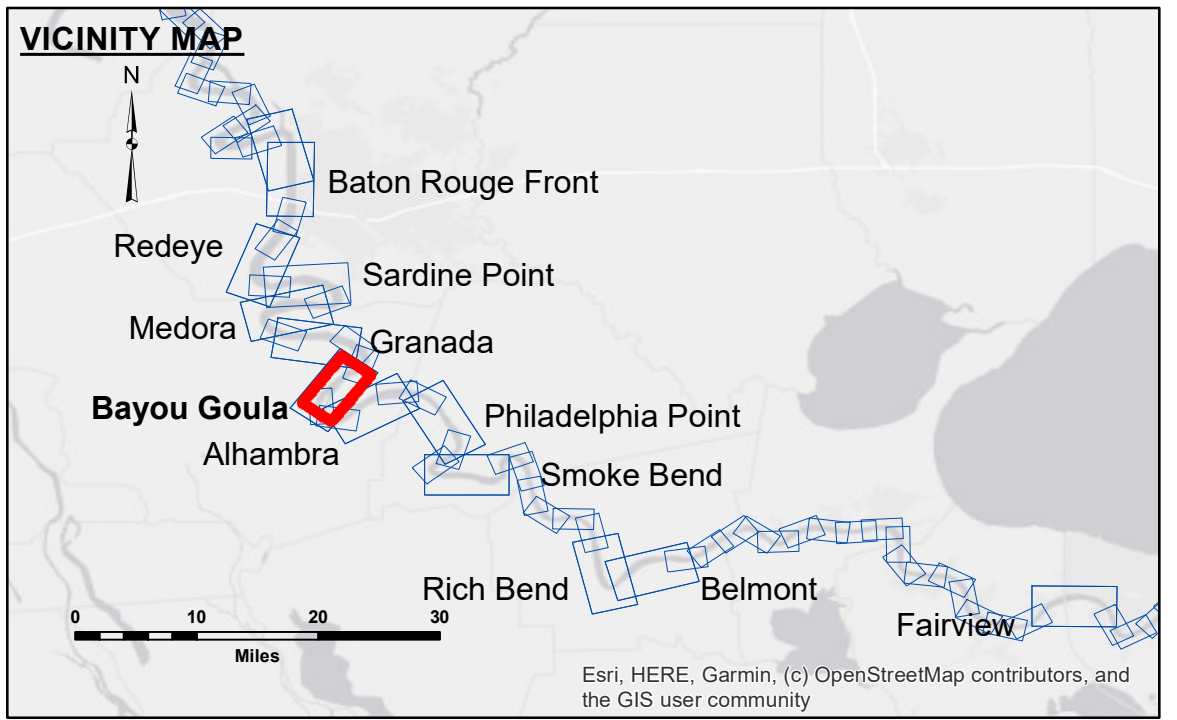


DISCLAIMER
 The United States Government makes these data and the recipient accepts and uses them with the express understanding that the data is provided for informational purposes only. It is not to be used for any purpose other than that for which it was intended. The user is responsible for the results of any use of the data. The information depicted on this map represents the results of a 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 intended. The user is responsible for the results of any use of the data. The information depicted on this map represents the results of a 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 intended. The user is responsible for the results of any use of the data.

Submitted:	Surveyed By:	PM/DOR
Recommended:	Plotted By:	JH
Approved:	Checked By:	JH

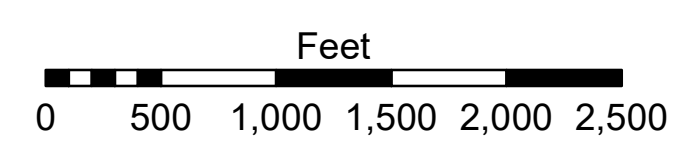
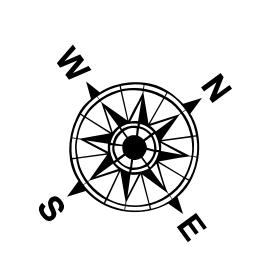
U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF
 BAYOU GOULA CROSSING
 MD_13_GOU_20230907_CS
 07 September 2023**



LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ 0' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ 0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -5' to -10'
..... Unconfirmed Pipeline/Cable	✕ Obstruction Point	◆ Red Navigation Buoy	■ -10' to -20'
— Project Depth Contour	✙ Wrecks-Submerged	◆ Green Navigation Buoy	■ -20' to -30'
			■ -30' to -35'
			■ -35' to -40'
			■ -40' to 45'
			■ -45' and below



LWRP: 1.8
 Gage Reading: BR:6.4 D:3.6 USED: 4.80 NAVD
 Sea Conditions: CALM
 Vessel Name: OB167
 Survey Type: CONDITION
 Sounding Frequency***: 200KHZ

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.

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