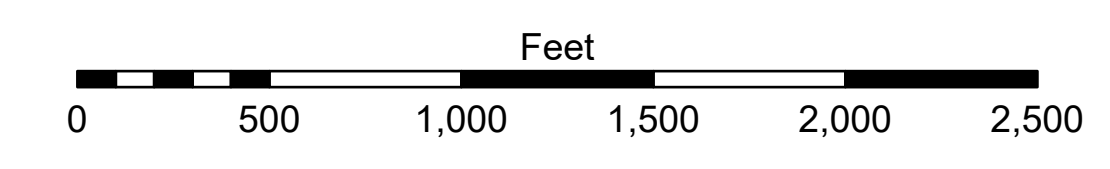
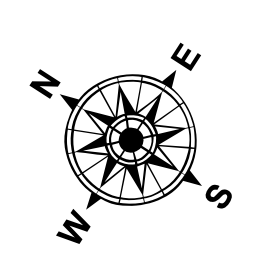


**LEGEND**

--- Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	■ -5' and above
— Federal Navigation Center Line	□ Placement Area	□ Borrow Area	■ -5' to -10'
— As-built Pipeline/Cable	⊗ Anchorage Area	● Shoalest Sounding**	■ -10' to -15'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	★ Beacon, General	■ -15' to -20.5'
— Project Depth Contour	✦ Wrecks-Submerged	◆ Red Navigation Buoy	■ -20.5' and below
		◆ Green Navigation Buoy	



Gage Reading: 1.4 MLLW @ DM 10 @ 1000  
 Sea Conditions: CALM  
 Vessel Name: OB-173  
 Survey Type: CONDITION, SB  
 Sounding Frequency\*\*\*: LOW

**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 Mean Lower Low Water Datum (MLLW). Datum Relationships for gage 01840 as of Jan 2022: 0.0' NAVD83 = 0.0' MLLW  
 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.  
 2024 Aerial Photography data source: Optimal GEO (1998 DOQQ in green)  
 Reference is N.O.A.A. Navigation Chart No. 11361.  
 \*\* 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.



**DISCLAIMER:** 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, the user is responsible for the accuracy, completeness, and reliability of the data furnished. The user is responsible for any use of the application of the data for other than its intended purpose. The user is responsible for any use of the data for other than its intended purpose. The user is responsible for any use of the data for other than its intended purpose.

**DISCLAIMER:** 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 prepared, and that the data are not to be used for any purpose other than that for which they were prepared, and that the data are not to be used for any purpose other than that for which they were prepared.

Submitted:	Surveyed By:
Recommended:	MGF & LLB
Approved:	Chief, Survey Section
	Checked By:
	MSK

**MISSISSIPPI RIVER - B. R. TO GULF SOUTH PASS - SHEET 3**  
 SP\_03\_SPSX\_20240530\_CS  
 30 May 2024

**Sheet Reference Number**  
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Revision Number: 5.23.12.3-3.23.12.3