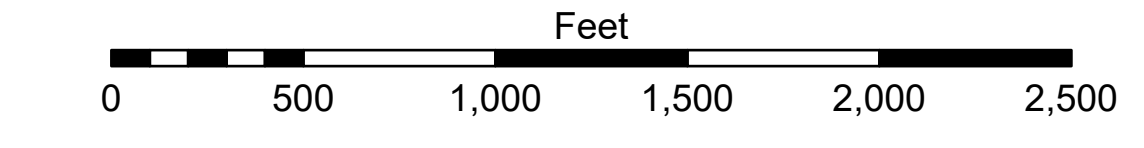
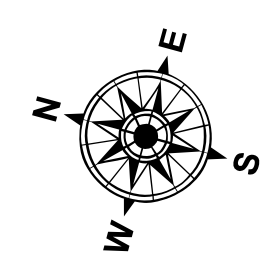


LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	⚓ Wrecks-Submerged
3 Fluff Thickness (feet)*	★ Beacon, General
□ Borrow Area	◆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



Gage Reading: 1.0 MLLW @ Head of Passes @ 0845
 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 (MLLW). Datum Relationships for gage 01545 as of March 2020: 0.0' NAVD88, 2020 = -0.32' 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 United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, or availability of the data furnished. The United States Government will not be liable for any damages, including consequential, arising out of the use of the information furnished hereunder, whether by contract, tort, or otherwise, and whether or not damage was caused by negligence or the use of the information furnished hereunder. The recipient agrees not to represent these data to anyone as other than Government provided data. The recipient may not transfer these data to others without obtaining the Government's approval. The information depicted on this map represents the results of a survey conducted on or about the date shown in the title block. It is not intended to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS	
Submitted:	Surveyed By: MGF & LLB
Recommended:	Plotted By: TSS
Approved:	Checked By: MSK

**MISSISSIPPI RIVER - B. R. TO GULF
 SOUTH PASS - SHEET 1
 SP_01_SPSX_20240530_CS
 30 May 2024**

**Sheet
 Reference
 Number
 1 of 6**

Revision Number:
 5.23.12.3.23.12.3