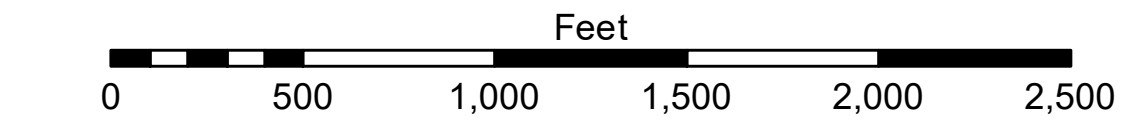
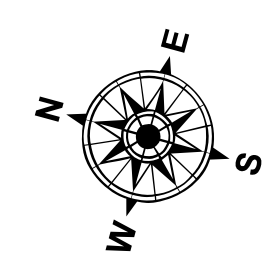


LEGEND

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



Gage Reading: 1.2 MLLW @ HEAD OF PASSES @ 1035
 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.
 2022 Aerial Photography data source: Optimal GEO (1998 DOQQ in green)
 Reference is N.O.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 data are not to be used for any purpose other than that for which they were originally prepared, or implied concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the recipient. The user is responsible for the results obtained from the use of these data. The Corps of Engineers does not warrant, under any liability, whatsoever to any person by reason of any use of these data, including the use of these data for purposes not intended by the Corps of Engineers. The Corps of Engineers does not accept any responsibility for changes in the hydrographical conditions which develop after the date of the survey. The information depicted on the map represents the results of a survey conducted on or about the date shown. The information is considered to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: MGF & JJC
Recommended:	Plotted By: TSS
Approved:	Checked By: MSK

MISSISSIPPI RIVER - B.R. TO GULF SOUTH PASS - SHEET 1
SP_01_SPS_20230406_CS
 06 April 2023

Sheet Reference Number
 1 of 6

Revision Number:
 4.2-20230406.20