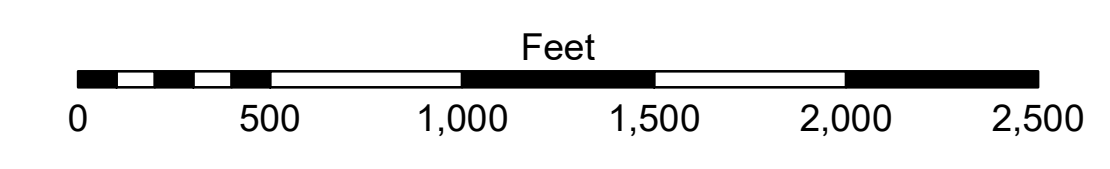
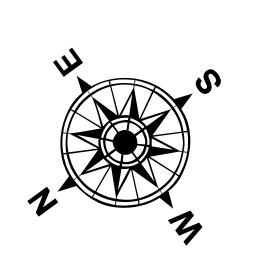


LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -10' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -10' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -20' to -30'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -30' to -40'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -40' to -45'
			■ -45' to -50'
			■ -50' to -55'
			■ -55' and below



Gage Reading: 2.4 MLLW @ MILE 17.9 @ 1200
 Sea Conditions: CALM, FLUFF
 Vessel Name: TOBIN
 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, 12-16). Datum Relationships for gage 01670 as of March 2020: 0.0' NAVD86, 2009.55 = 0.79' MLLW = 4.29' MLG
 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 (24 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.



DISTRICT: The United States Government furnishes these data and the recipient accepts and uses them with the express warranty, or implied concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data, under no liability whatsoever to any person by reason of any use of the data. The recipient agrees to indemnify the United States Government from and against all claims, damages, costs and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the data. The recipient agrees to accept the data as provided and to release the United States Government from and against all claims, damages, costs and expenses, including reasonable attorneys' fees, that may be incurred by the recipient as a result of the use of the data. The recipient agrees to release the United States Government from and against all claims, damages, costs and expenses, including reasonable attorneys' fees, that may be incurred by the recipient as a result of the use of the data. The recipient agrees to release the United States Government from and against all claims, damages, costs and expenses, including reasonable attorneys' fees, that may be incurred by the recipient as a result of the use of the data.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: JH & RCC
Recommended:	Plotted By: LLB
Approved:	Checked By: MSK

Sheet: Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF
 SOUTHWEST PASS - SHEET 11
 SW_11_SWP_20230511_CS_PRO
 11 May 2023**

**Sheet Reference Number
 11 of 13**

Revision Number:
4.2-20200420