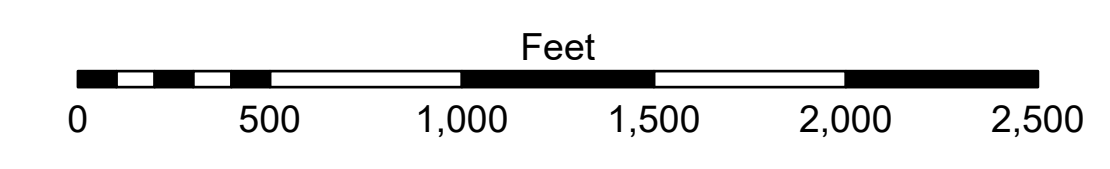
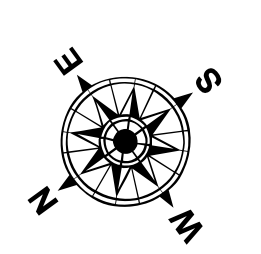


LEGEND		3 Fluff Thickness (feet)*	
--- Federal Navigation Channel	○ Cable Area	Blue	-10' and above
— Federal Navigation Center Line	□ Placement Area	Yellow	-10' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	Orange	-20' to -30'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	Light Green	-30' to -40'
— Project Depth Contour	⊗ Wrecks-Submerged	Green	-40' to -45'
	★ Beacon, General	Light Blue	-45' to -50'
	◆ Red Navigation Buoy	Dark Blue	-50' to -55'
	◆ Green Navigation Buoy	Lightest Blue	-55' and below



Gage Reading: 1.9 MLLW @ EAST JETTY (01670) @ 1100  
 Sea Conditions: ROUGH  
 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: 2024 Aerial Photography data source: Optimal GEO (1998 DOQQ in green).  
 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' NAVD83, 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.  
 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.



**DISCLAIMER:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not guaranteed for accuracy, completeness, or implied concerning the accuracy, completeness, reliability, or the data furnished. The United States Government assumes no liability whatsoever to any person by reason of any use of the data furnished. The recipient may not transfer these data to others without also transferring the disclaimer. The information depicted on this map represents the results of a survey conducted on or about the date shown. The recipient is responsible for the accuracy of the data. The recipient is responsible for the accuracy of the data. The recipient is responsible for the accuracy of the data.

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

**MISSISSIPPI RIVER - B. R. TO GULF  
 SOUTHWEST PASS - SHEET 11  
 SW\_11\_SWP\_20240709\_CS  
 09 July 2024**

**Sheet  
 Reference  
 Number  
 11 of 13**

Revision Number: 5.23.12.3-3.23.12.3