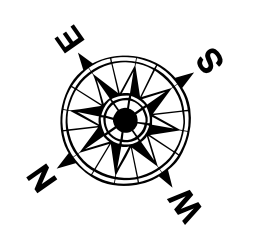
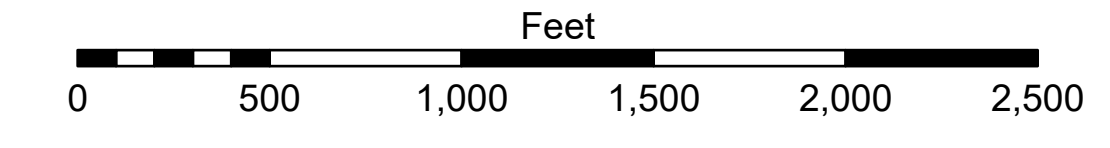


LEGEND		3 Fluff Thickness (feet)*	
--- Federal Navigation Channel	● Cable Area	■ -10' and above	■ -10' to -20'
— Federal Navigation Center Line	■ Placement Area	■ -20' to -30'	■ -30' to -40'
— As-built Pipeline/Cable	□ Anchorage Area	■ -40' to -45'	■ -45' to -50'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction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



Gage Reading: 1.6 MLLW @ LIGHT 14 (01625) @ 1035
 Sea Conditions: CALM
 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: 0.0' NAVD83, 2008.55 = 3.90' MLLW
 Datum Relationships for gage 01625 as of March 2020: 0.0' NAVD83, 2008.55 = 3.90' 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. 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 data represented on this map were collected by the U.S. Army Corps of Engineers and are not intended for use in any other application. The user is responsible for the results of any application of the data for other than its intended purpose. The U.S. Army Corps of Engineers does not warrant the accuracy of the data for any other use. The user is responsible for the results of any application of the data for other than its intended purpose. The U.S. Army Corps of Engineers does not warrant the accuracy of the data for any other use.

U.S. ARMY CORPS OF ENGINEERS	
Submitted:	Surveyed By: JUC & RCC
Recommended:	Plotted By: TSS
Approved:	Chief, Survey Section
Checked By: MSK	Other, Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF
 SOUTHWEST PASS - SHEET 9
 SW_09_SWPX_20240916_CS
 16 September 2024**

**Sheet
 Reference
 Number
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Revision Number:
 5.13.12.3.3.12.3