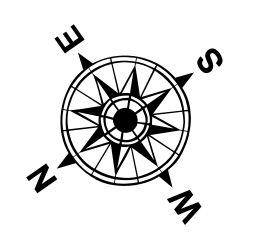
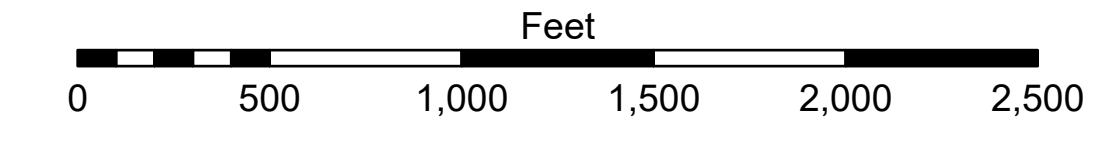


LEGEND

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



Gage Reading: 0.5 MLLW @ LIGHT 14 (01625) @ 1110
 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: 0.5 MLLW @ LIGHT 14 (01625) @ 1110
 Soundings are shown in feet and indicate depths below Mean Lower Low Water (MLLW, 12-16). Datum Relationships for gage 01625 as of March 2020: 0.0' NAVD83, 2009.55 = 0.40' MLLW = 3.90' 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.
 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 represents the results of data collection/processing for a specific US Army Corps of Engineers activity and is not intended for use for any other purpose. The user is responsible for the results of the application of the data for other than its intended purpose. The Corps does not warrant the accuracy of the data. The Corps does not warrant the accuracy of the data for use in any other activity and natural occurring and man-made processes. The U.S. Army Corps of Engineers is not responsible for any damage or injury resulting from the use of the data. The information is provided for informational purposes only. The information is not intended for use in any other activity. The information is provided for informational purposes only. The information is not intended for use in any other activity.

Submitted:	Surveyed By:	JUC & RCC
Recommended:	Plotted By:	TSS
Approved:	Chief, Survey Section	MSK
Other, Waterways Maintenance Section		

**MISSISSIPPI RIVER - B. R. TO GULF
 SOUTHWEST PASS - SHEET 9
 SW_09_SWPX_20240711_CS
 11 July 2024**

**Sheet
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 5.13.12.3.23.12.3