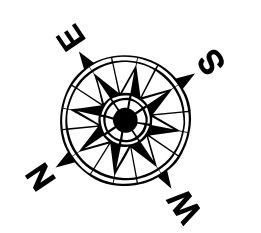
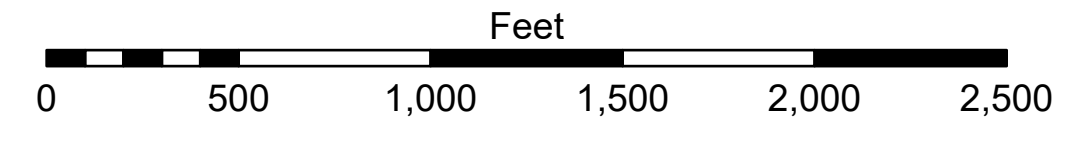


LEGEND

--- 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: 1.7 MLLW @ MM 7.5 LT-21 (01575) @ 1005
 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: Mean Low Water (MLLW, 12-15).
 Soundings are shown in feet and indicate depths below Mean Low Water (MLLW, 12-15). Datum Relationships for gage 01575 as of March 2020: 0.0' NAVD83, 2009.55 = 0.10' MLLW = 3.60' 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.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 derived from the results of data collection and 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 any application of the data for other than its intended purpose. The Corps does not warrant the accuracy of the data for any other purpose. The Corps does not warrant the accuracy of the data for any other purpose. The Corps does not warrant the accuracy of the data for any other purpose. The Corps does not warrant the accuracy of the data for any other purpose.

DISCLAIMER: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the United States Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, or availability of the data furnished. The United States Government is not liable for any damage or loss, including consequential damage, arising from the use of the data. The recipient agrees not to transfer these data to others without the written consent of the United States Government. The information depicted on this map represents the results of a survey conducted on or about the date indicated. The information is not intended to represent the general condition existing at that time.

Submitted:	Surveyed By:	JTB & DED
Recommended:	Plotted By:	LLD
Approved:	Checked By:	MSK

U.S. ARMY CORPS OF ENGINEERS
 MISSISSIPPI RIVER - B.R. TO GULF
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**Sheet Reference Number
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 5.23.12-3.23.12.3