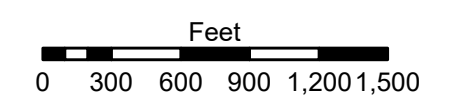
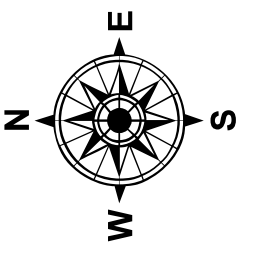


LEGEND

--- Federal Navigation Channel	○ Cable Area	■ Shoaling Area	■ 0' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ 0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -5' to -9'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	□ -9' and below
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	



LWRP: 14.7
 Gage Reading: KL: 19.7 RR: 17.3 USED: 19.40 NAVD
 Sea Conditions: CALM
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

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 Low Water Reference Plane 2007 (NAVD). Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.
 The location of navigation aids are based on and provided by the U.S. Coast Guard and USACE crew. 2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office. Reference is USACE IENC U35LM236.
 *** 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 (20 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 bathymeter 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 warranted for any purpose other than that for which they were prepared, or implied concerning accuracy, completeness, reliability, or suitability for any particular purpose of the recipient. The user is responsible for the results of any use of these data. The United States Government and its employees make no warranty, expressed or implied, for the use of these data for other than the intended purpose. Data contained in this report are subject to change without notice. The user is responsible for the results of any use of these data. The United States Government and its employees make no warranty, expressed or implied, for the use of these data for other than the intended purpose. The information depicted on this map represents the results of a survey conducted on the date indicated. The user is responsible for the results of any use of these data. The United States Government and its employees make no warranty, expressed or implied, for the use of these data for other than the intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted: RYLAND/SIMMONS	Surveyed By: RYLAND/SIMMONS
Recommended: Chief, Survey Section	Plotted By: BD
Approved: Chief, Waterways Maintenance Section	Checked By: AC

**MISSISSIPPI RIVER - SHALLOW DRAFT
 OLD RIVER CONTROL
 MS_07_OLDX_20220927_CS
 27 September 2022**

**Sheet Reference Number
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