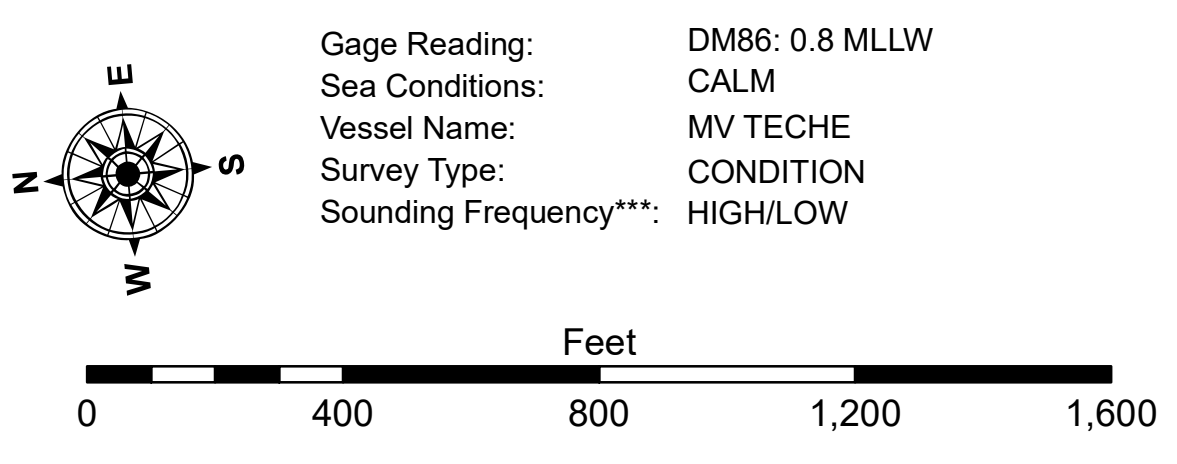


LEGEND		
--- Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy



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 Mean Lower Low Water Datum (MLLW). Datum Relationships for gage 73595 as of December 2013: 0.0' NAVD83 (OPUS 2013) = 0.9' MLLW = 1.9' MLG or 0.0' MLLW = 1.0' MLG
 Distances on the Calcasieu River are shown at 1 mile intervals.
 The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE survey crews.
 2022 Aerial Photography data source: PAR LLC
 Reference is N.O.A. Navigation Chart No. 11339.
 * Difference between high and low frequency elevations where greater than 1.0'.
 ** 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 fathometer settings.



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, usability or suitability for any particular purpose of the information. The user is responsible for the results of the use of the information. The user shall be held harmless for any damage or loss, including consequential damages, resulting from the use of the information. Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and other factors. The user is responsible for the use of the information. The user shall be held harmless for any damage or loss, including consequential damages, resulting from the use of the information. The information depicted on this map represents the results of a survey conducted on the date shown. The user is responsible for the use of the information. The user shall be held harmless for any damage or loss, including consequential damages, resulting from the use of the information.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SP-JS	Plotted By: AO
Recommended:	Chart, Survey Section	Checked By: AO
Approved:	Chart, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL
 LOWER SHEET 12
 CR_12_LWR_20230501_CS
 01 May 2023**

**Sheet Reference Number
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