



LEGEND

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|----------------------------------|---------------------|---------------------------|------------------|
| --- Federal Navigation Channel | ○ Cable Area | 3 Fluff Thickness (feet)* | ■ -16' and above |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding** | ■ -16' to -21' |
| — As-built Pipeline/Cable | □ Anchorage Area | ★ Beacon, General | ■ -21' to -26' |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy | ■ -26' to -33' |
| — Project Depth Contour | ✈ Wrecks-Submerged | ◆ Green Navigation Buoy | ■ -33' to -39' |
| | | | ■ -39' to -41' |
| | | | ■ -41' to -43' |
| | | | ■ -43' and below |

Gage Reading: DM 57 VRN: -0.30 MLLW AVG
 Sea Conditions: CHOPPY
 Vessel Name: MV TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Vertical Datum:
 North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.

Datum Relationships for gage 73625 as of December 2013:
 0.0' NAVD83 (2009.55) = 1.2' MLLW = 2.2' 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.

US Army Corps of Engineers
 District: CEMVN

DISCLAIMER
 Access, Contaminants, The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were originally collected, and that the user is responsible for the results of any use of the data for other than the intended purpose.
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions, sedimentation, and other factors. The Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of the original survey. The information depicted on this map represents the results of a survey conducted on the date shown and is not to be considered to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

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|--------------|--------------------------------------|----------------|----------------|
| Submitted: | Surveyed By: SP-JS | Plotted By: JH | Checked By: JH |
| Recommended: | Chief, Survey Section | | |
| Approved: | Chief, Waterways Maintenance Section | | |

CALCASIEU SHIP CHANNEL
LOWER SHEET 23
CR_23_LWR_20250106_CS
06 January 2025

Sheet Reference Number
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