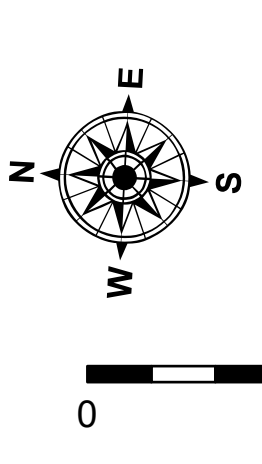


LEGEND	
— Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	⊗ Obstruction Point
⋯ Unconfirmed Pipeline/Cable	⚓ Wrecks-Submerged
— Project Depth Contour	☆ Beacon, General
	◆ Red Navigation Buoy
	◇ Green Navigation Buoy
	3 Fluff Thickness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



Gage Reading: DM 102 VRN: 0.83 MLLW AVG.
 Sea Conditions: CHOPPY
 Vessel Name: M/V TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

587,000
 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 73575 as of December 2013:
 0.0' NAVD88 (OPUS 2013) = 0.8' MLLW = 1.8' 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.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 data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions as such. The user is responsible for the results and accuracy of any of the application of the data for other than its intended purpose. The user is responsible for the results and accuracy of any of the application of the data for other than its intended purpose. The user is responsible for the results and accuracy of any of the application of the data for other than its intended purpose. The user is responsible for the results and accuracy of any of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS	
Submitted:	Surveyed By: SP/JS
Recommended:	Plotted By: BID
Approved:	Checked By: AO/JH

**CALCASIEU SHIP CHANNEL
 UPPER SHEET 9
 CR_09_UPR_20250415_CS
 15 April 2025**

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