



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

Gage Reading: DM119 VRN: 1.55 MLLW AVG
 Sea Conditions: CALM
 Vessel Name: MV TECHE
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW).
 Datum Relationships for gage 73550 as of December 2013:
 0.0' NAVD83 (OPUS 2010) = 0.6' MLLW = 1.6' 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.



Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results and accuracy of the data for other than its intended purpose.
 Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to: dredging, sedimentation, and other channel changes. The user is responsible for the accuracy of the data for other than its intended purpose.
 The information depicted on this map represents the results of the hydrographic conditions which develop after the date of the survey. The Corps of Engineers does not warrant or consider the information to represent the general condition existing at that time.

Submitted:	Surveyed By: SP-JS
Recommended:	Plotted By: JH
Approved:	Checked By: JH

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT
 Chart: Waterways Maintenance Section

CALCASIEU SHIP CHANNEL
UPPER SHEET 3
CR_03_UPR_20240828_CS
28 August 2024

Sheet Reference Number
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