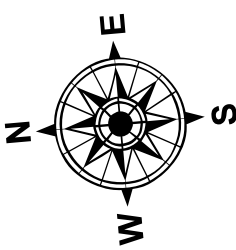


**LEGEND**

--- 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	★ Beacon, General	-26' to -33'
— Project Depth Contour	✈ Wrecks-Submerged	★ Beacon, General	-33' to -39'
		★ Beacon, General	-39' to -41'
		★ Beacon, General	-41' to -43'
		★ Beacon, General	-43' and below

◆ Red Navigation Buoy  
◆ Green Navigation Buoy



Gage Reading: DM 72 VRN: 1.99 MLLW AVG.  
Sea Conditions: CHOPPY  
Vessel Name: M/V TECHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

**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 73615 as of December 2013:  
 0.0' NAVD88 (2009.55) = 1.1' MLLW = 2.1' 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.



**US Army Corps  
of Engineers  
District: CEMVN**

**Data Constraints:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activity and natural shoaling and scouring processes. The U.S. Coast Guard does not have a policy of archiving hydrographic data in the hydrographic conditions which develop after the date of publication. This data is intended for U.S. Army Corps of Engineers internal use. Prudent mariners should not rely solely on this data.

**DISCLAIMER**

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The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered

U.S. ARMY CORP OF ENGINEERS

Submitted _____	Surveyed By: SP/JJS _____
Recommended: Chief, Survey Section _____	Plotted By: BD _____
Approved: Chief, Waterways Maintenance Section _____	Checked By: AO/JH _____

CALCASIEU SHIP CHANNEL  
LOWER SHEET 19  
CR\_19\_LWR\_20250417\_CS  
17 April 2025

Sheet  
Reference  
Number  
19 of 53

Revision Number:  
5.25.04.03-5.25.04.03