






















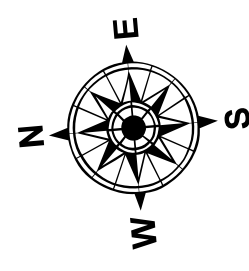


LEGEND							
 Federal Navigation Channel	 Cable Area	 Fluff Thickness (feet)*	 -16' and above				
 Federal Navigation Center Line	 Placement Area	 Shoalest Sounding**	 -16' to -21'				
 As-built Pipeline/Cable	 Anchorage Area	 Beacon, General	 -21' to -26'				
 Unconfirmed Pipeline/Cable	 Obstruction 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: HACKBERRY: 2.3 MLLW  
Sea Conditions: CALM  
Vessel Name: M/V TECHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

Feet

400 800 1,200 1,600

**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 73600 as of December 2013:  
0.0' NAVD83 (OPUS 2010) = 1.0' MLLW = 2.0' 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 bathometer settings.



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

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U.S. ARMY CORPSE ENGINEERS	
Submitted: _____	Surveyed By: SPJS _____
Recommended: Chief, Survey Section	Plotted By: BD _____
Approved: _____	Checked By: AOJH _____

CALCASIEU SHIP CHANNEL  
LOWER SHEET 16  
CR\_16\_LWR\_20250624\_CS  
24 June 2025

**Sheet  
Reference  
Number**  
16 **of** 53

**Revision Number:**  
5.25.04.03-5.25.04.03