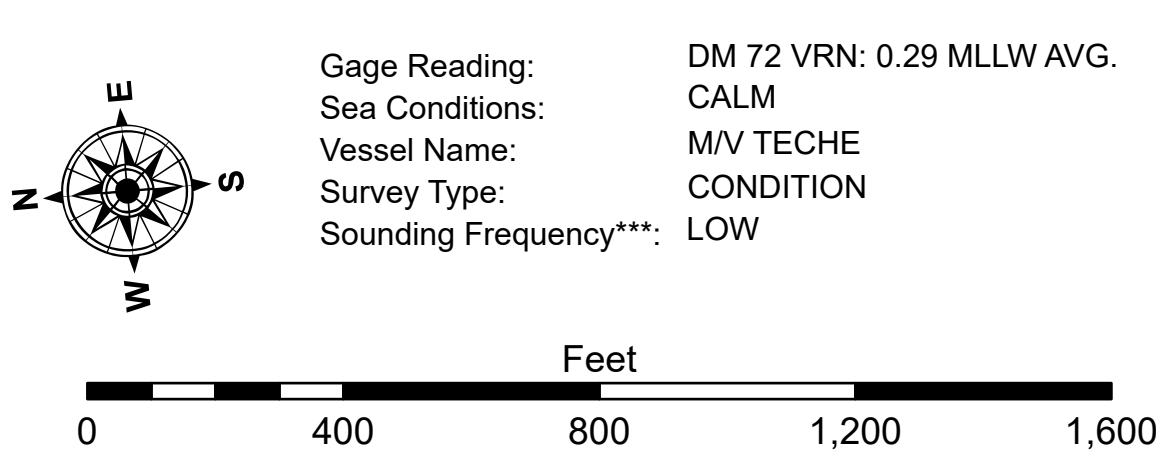


LEGEND

--- 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	◆ Red Navigation Buoy	-33' to -39'
		◆ Green Navigation Buoy	-39' to -41'
			-41' to -43'
			-43' and below



NOTES: **516.000**

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 73615 as of December 2013:
0.0' NAVD88 (2008.55) = 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 bot-
tom material. Low frequency accuracies may vary depending on channel conditions and fathometer
settings.



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

[illegible]

<p align="center">U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT</p>		<p>Surveyed By: _____ SP/MF _____</p>
<p>Submitted: _____</p>	<p>Ploited By: _____ BD _____</p>	
<p>Recommended: _____</p>	<p>Chief, Survey Section</p>	
<p>Approved: _____</p>	<p>Checked By: _____ AO/JH _____</p>	
<p>Chief, Waterways Maintenance Section</p>		

CALCASIEU SHIP CHANNEL
LOWER SHEET 19
CR_19_LWR_20260112_CS
12 January 2026

Sheet
Reference
Number
19 of 53