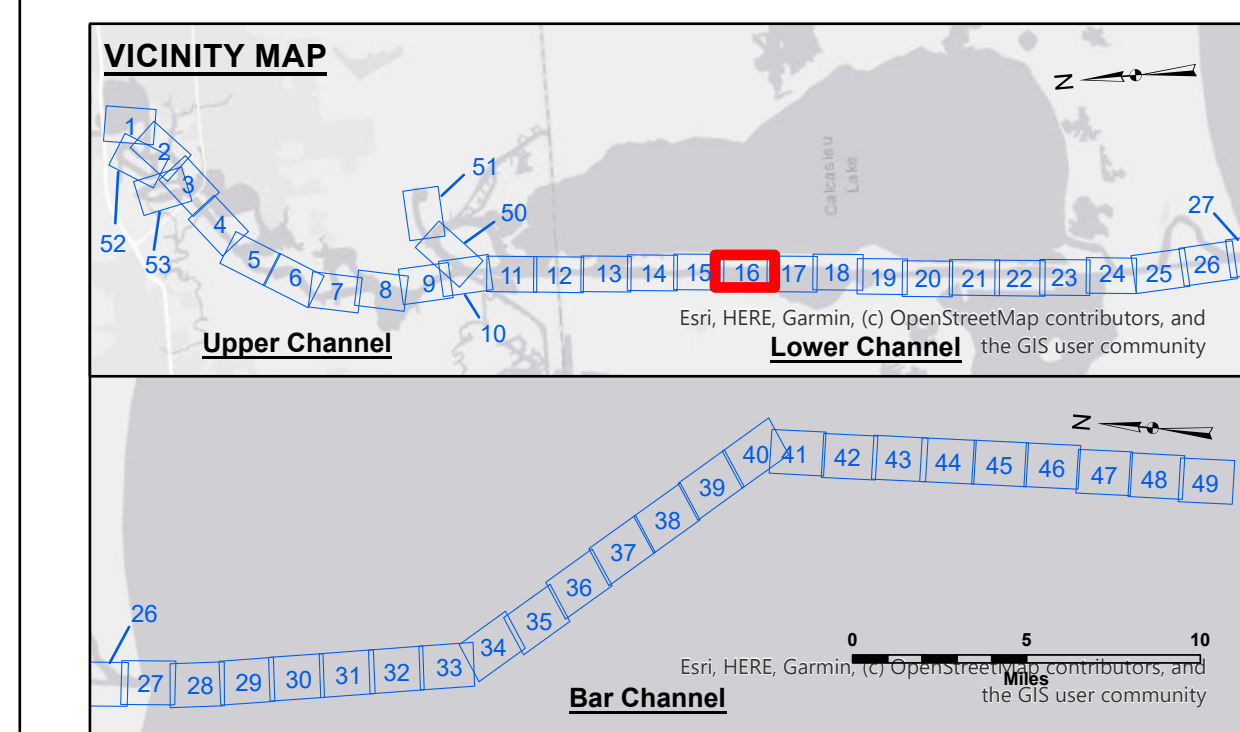
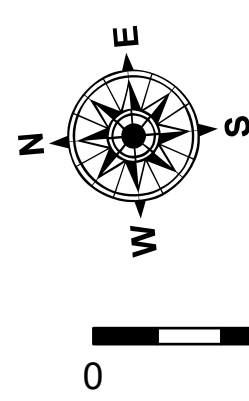




LEGEND

--- 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 VRN: -0.40 MLLW AVG
Sea Conditions: CHOP
Vessel Name: MV 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 73600 as of December 2013:
0.0' NAVD88 (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 based 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 were 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 bathymetric settings.



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

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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		Surveyed By: SPJS _____
Submitted: _____		
Recommended: Chief, Survey Section	_____	Plotted By: JH _____
Approved: _____	Chief, Waterways Maintenance Section	Checked By: JH _____

CALCASIEU SHIP CHANNEL
LOWER SHEET 16
CR_16_LWR_20260203_CS
03 February 2026

**Sheet
Reference
Number**
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