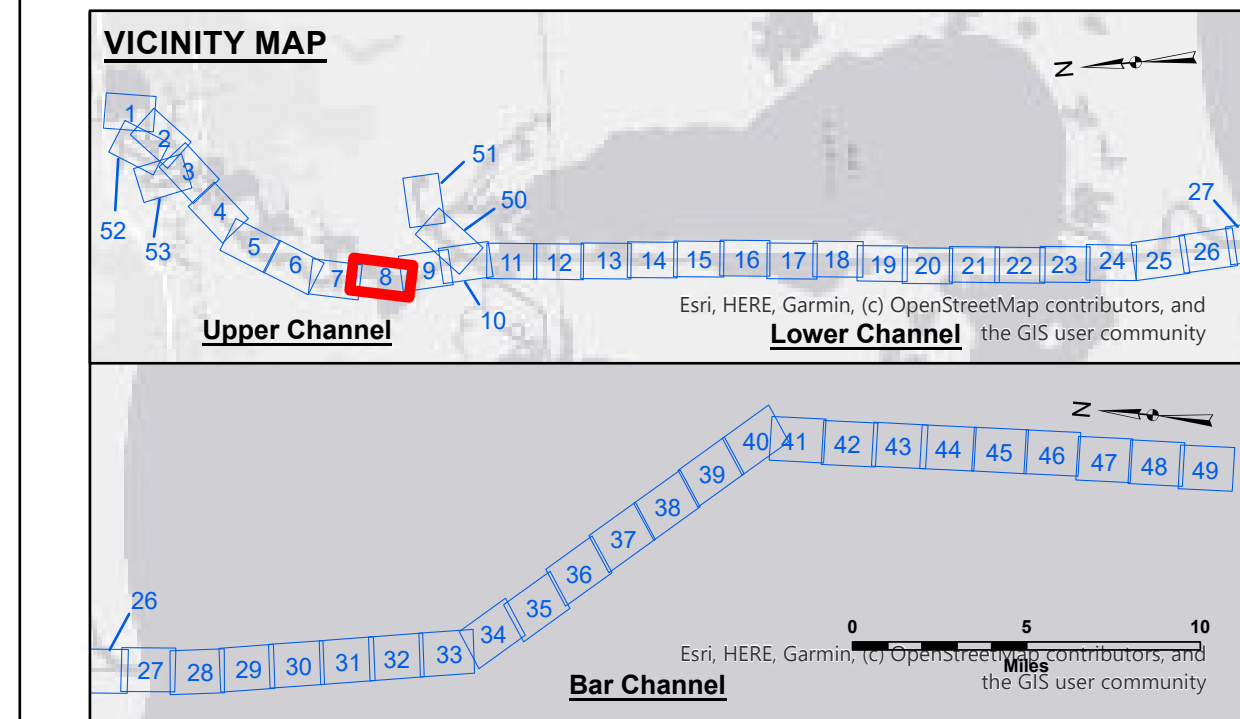
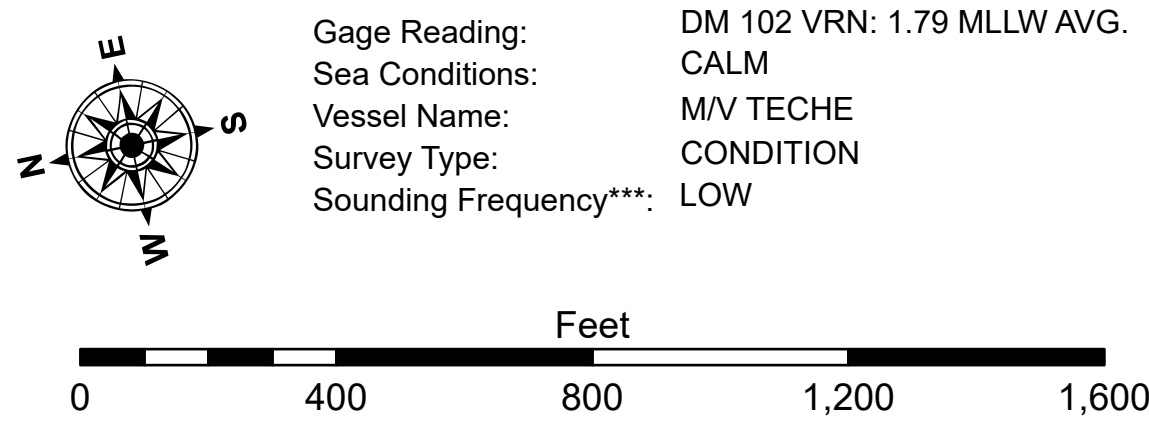




LEGEND

--- 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:
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 gate 73575 as of December 2013:
0.0' NAVD83 (EPSG 2013) = 0.8' MLLW = 1.8' 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 detect elevations of consolidated bottom
material. Low frequency accuracies may vary depending on channel conditions and bathymetry
settings.



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

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The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The information is not intended to represent the general condition existing at that time.

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

CALCASIEU SHIP CHANNEL
UPPER SHEET 8
CR_08_UPR_20250512_CS
12 May 2025

**Sheet
Reference
Number**
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5.25.04.03-5.25.04.03