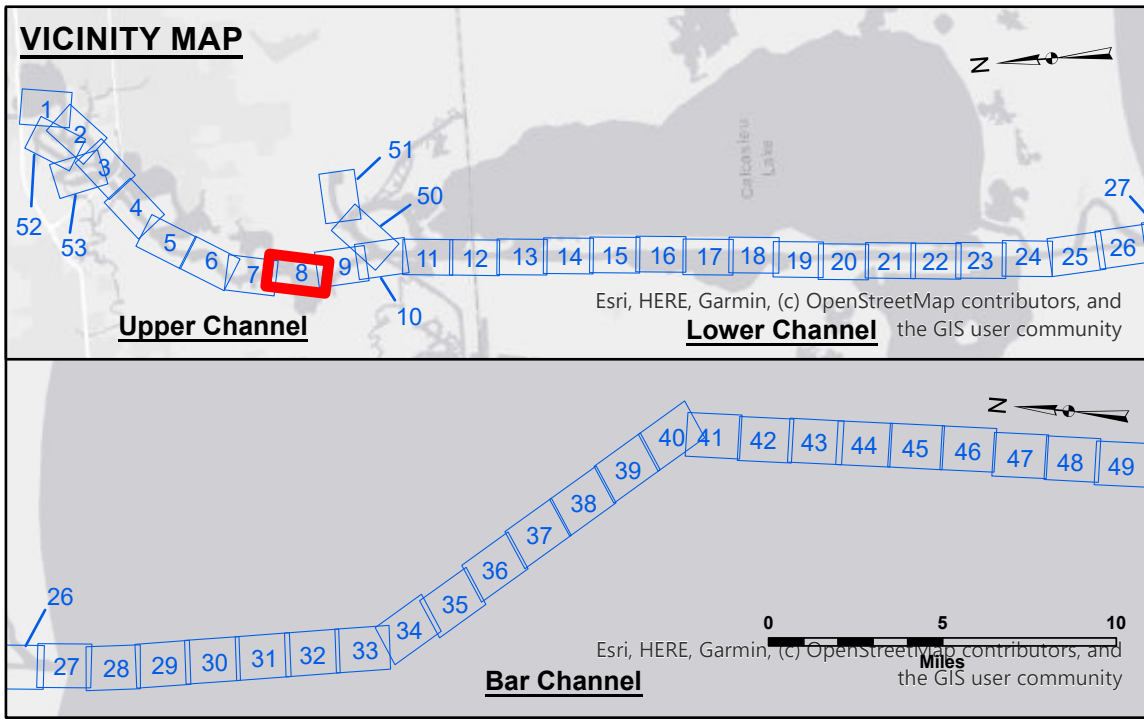


DISCLAIMER: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, the user is responsible for the accuracy, completeness, and reliability of the data furnished. The user is responsible for the application of the data for other than its intended purpose. The user is responsible for the results of any of the application of the data for other than its intended purpose. The user is responsible for the results of any of the application of the data for other than its intended purpose. The user is responsible for the results of any of the application of the data for other than its intended purpose.

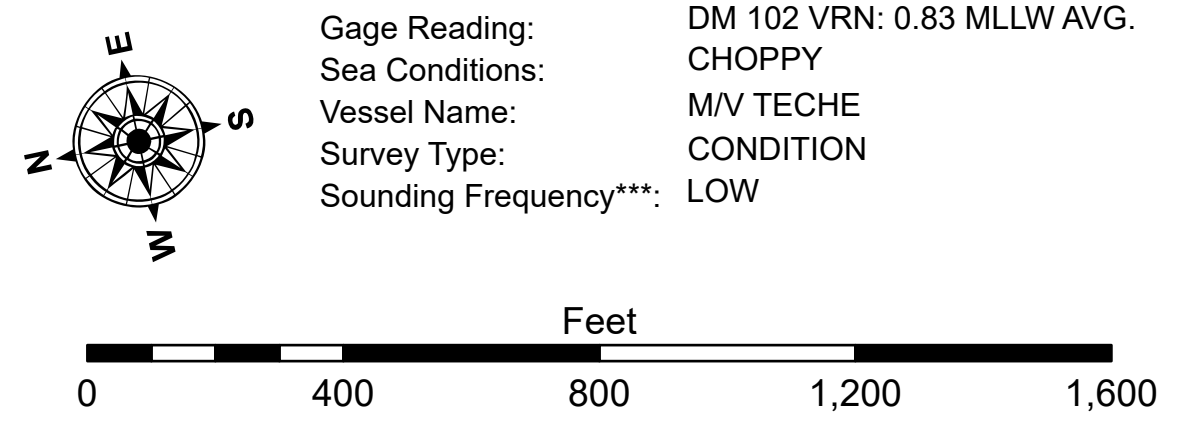
DISCLAIMER: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were furnished. The recipient agrees to indemnify the United States Government from and hold it harmless from any and all claims, damages, losses, and expenses, including reasonable attorneys' fees, that may be asserted against or incurred by the United States Government or its employees, agents, or contractors, in connection with the use of these data for any purpose other than that for which they were furnished. The recipient may not transfer these data to others without also transferring this disclaimer. The information depicted on this map represents the results of a survey conducted on or after the date of the survey. It is not to be used for any purpose other than that for which it was intended. The information depicted on this map represents the results of a survey conducted on or after the date of the survey. It is not to be used for any purpose other than that for which it was intended.

U.S. ARMY CORPS OF ENGINEERS		
Submitted:	Surveyed By: SPJS	Plotted By: BID
Recommended:	Chief, Survey Section	Checked By: AO/JH
Approved:	Chief, Waterways Maintenance Section	

CALCASIEU SHIP CHANNEL UPPER SHEET 8
CR_08_UPR_20250415_CS
15 April 2025



LEGEND		Fluff Thickness (feet)*	
--- Federal Navigation Channel	○ Cable Area	Red	-16' and above
— Federal Navigation Center Line	□ Placement Area	Orange	-16' to -21'
— As-built Pipeline/Cable	□ Anchorage Area	Yellow	-21' to -26'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	Light Green	-26' to -33'
— Project Depth Contour	⚓ Wrecks-Submerged	Green	-33' to -39'
	★ Beacon, General	Light Blue	-39' to -41'
	◆ Red Navigation Buoy	Blue	-41' to -43'
	◆ Green Navigation Buoy	Dark Blue	-43' and below
	3		Fluff Thickness (feet)*
	●		Shoalest Sounding**



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 73575 as of December 2013: 0.0' NAVD88 (OPUS 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. 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.

Sheet Reference Number 8 of 53