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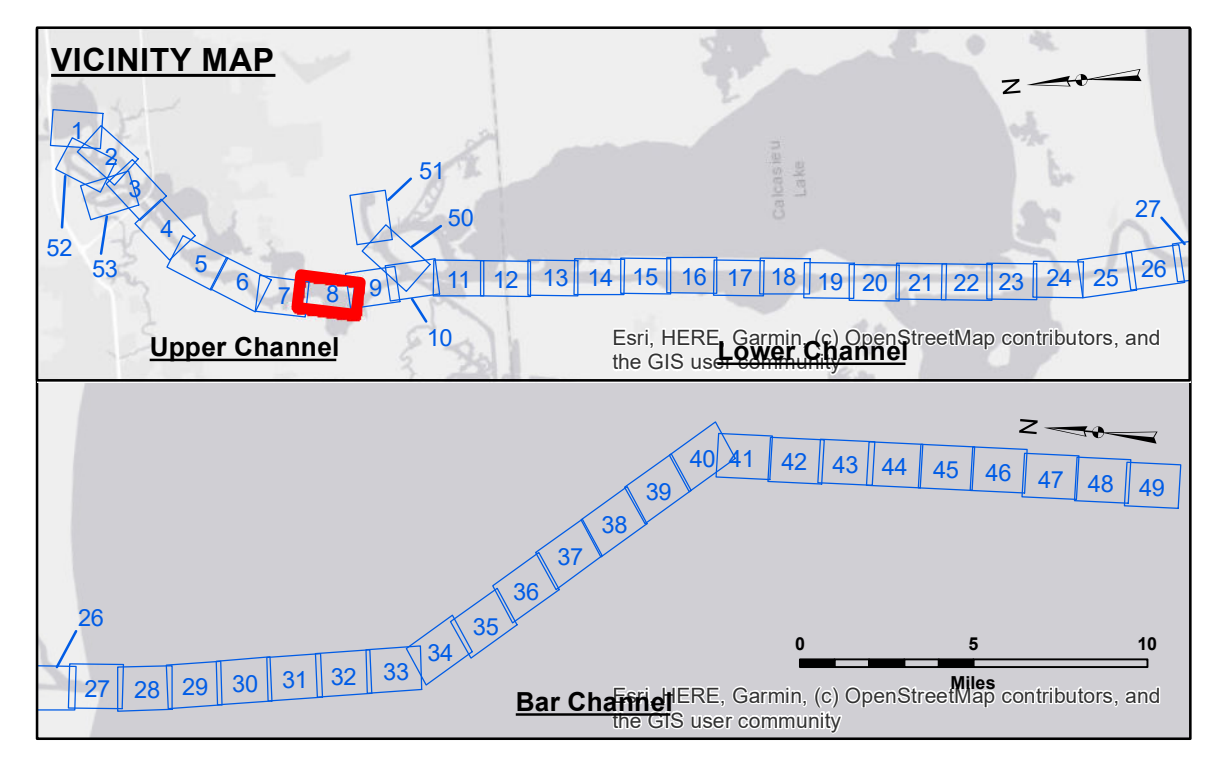
Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, changing hydrographic conditions, sedimentation, and changes in the hydrographic conditions which develop after the date of the survey. The user must verify the accuracy of the data for their intended purpose. The user must verify the accuracy of the data for their intended purpose.

Submitted:	Surveyed By: SP-JS	Plotted By: BD	Checked By: AD/JH
Recommended:	Chief, Survey Section	Chief, Survey Section	Chief, Waterways Maintenance Section

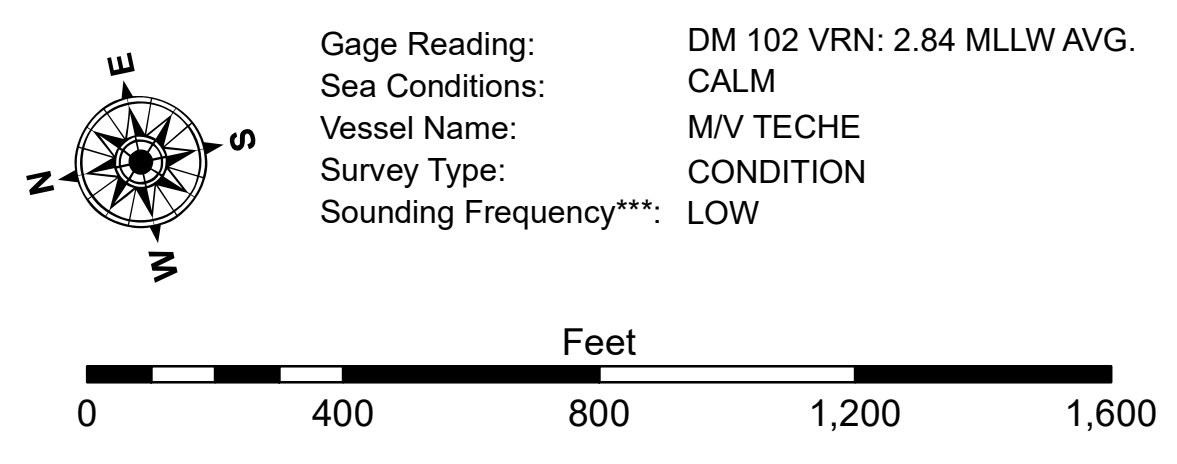
U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL
UPPER SHEET 8
CR_08_UPR_20240523_AD
23 May 2024**

**Sheet Reference Number
8 of 53**



LEGEND			
	Federal Navigation Channel		Placement Area
	Federal Navigation Center Line		Obstruction Point
	As-built Pipeline/Cable		Wrecks-Submerged
	Unconfirmed Pipeline/Cable		Cable Area
	Project Depth Contour		Anchorage Area
	Fluff Thickness (feet)*		Beacon, General
	Shoalest Sounding**		Red Navigation Buoy
	Green Navigation Buoy		Cable Area



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' NAVD83 (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 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. 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.