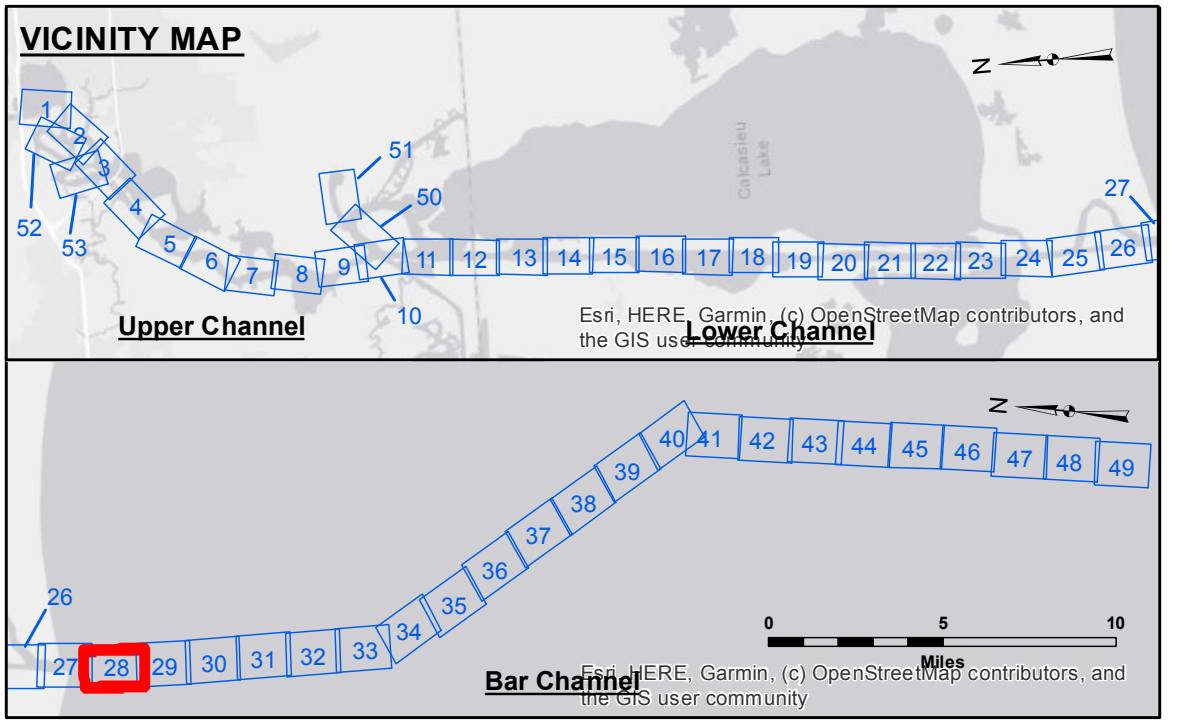


US Army Corps of Engineers District: CEMV

DISCLAIMER: The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers. The user is responsible for the accuracy, completeness, reliability, usability, or suitability of the information for any purpose other than that intended by the Corps. The Corps does not warrant the accuracy, completeness, reliability, usability, or suitability of the information for any purpose other than that intended by the Corps. The Corps is not responsible for any damage or injury resulting from the use of this information. The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers. The user is responsible for the accuracy, completeness, reliability, usability, or suitability of the information for any purpose other than that intended by the Corps. The Corps does not warrant the accuracy, completeness, reliability, usability, or suitability of the information for any purpose other than that intended by the Corps. The Corps is not responsible for any damage or injury resulting from the use of this information.

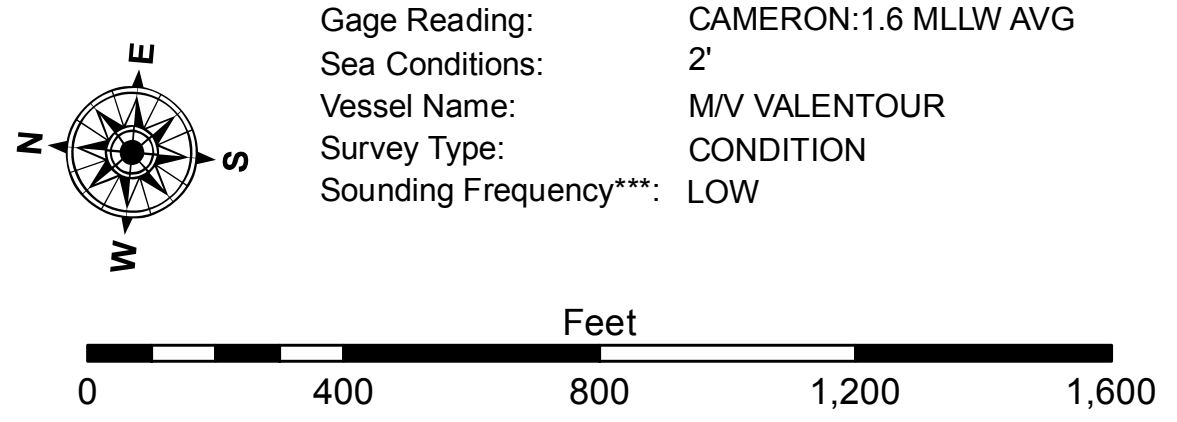
U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: JH/DADAMS
Recommended:	Plotted By: AO
Approved:	Checked By: AO

CALCASIEU SHIP CHANNEL
BAR SHEET 28
CR_28_BAR_20200612_CS_POSTSTORM
12 June 2020



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	◆ 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



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: CAMERON:1.6 MLLW AVG
 Gage Reading: 2'
 Sea Conditions: M/V VALENTOUR
 Vessel Name: CONDITION
 Survey Type: LOW
 Sounding Frequency***: LOW

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.

2015 Aerial Photography data source: NAIP
 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 bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer settings.

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