

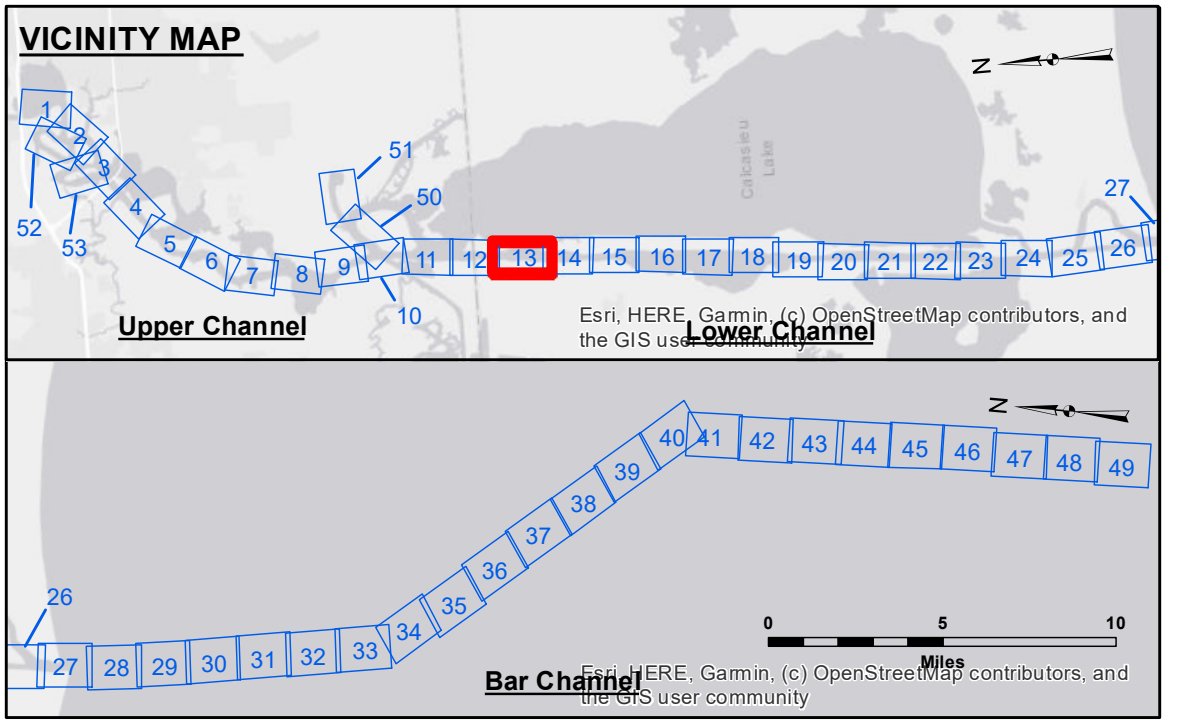
**DISCLAIMER**  
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were originally collected, compiled, or processed, and that the user is responsible for the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data. The user is responsible for the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data. The user is responsible for the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data. The user is responsible for the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Submitted:	Surveyed By: SP-JS
Recommended:	Plotted By: JH
Approved:	Checked By: JH

**CALCASIEU SHIP CHANNEL  
 LOWER SHEET 13  
 CR\_13\_LWR\_20231005\_CS  
 05 October 2023**

**Sheet Reference Number  
 13 of 53**

Revision Number:  
 4.2-202 (04/20)



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

Gage Reading: DM86: 2.4 MLLW  
 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 73595 as of December 2013:  
 0.0' NAVD83 (OPUS 2013) = 0.9' MLLW = 1.9' 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.