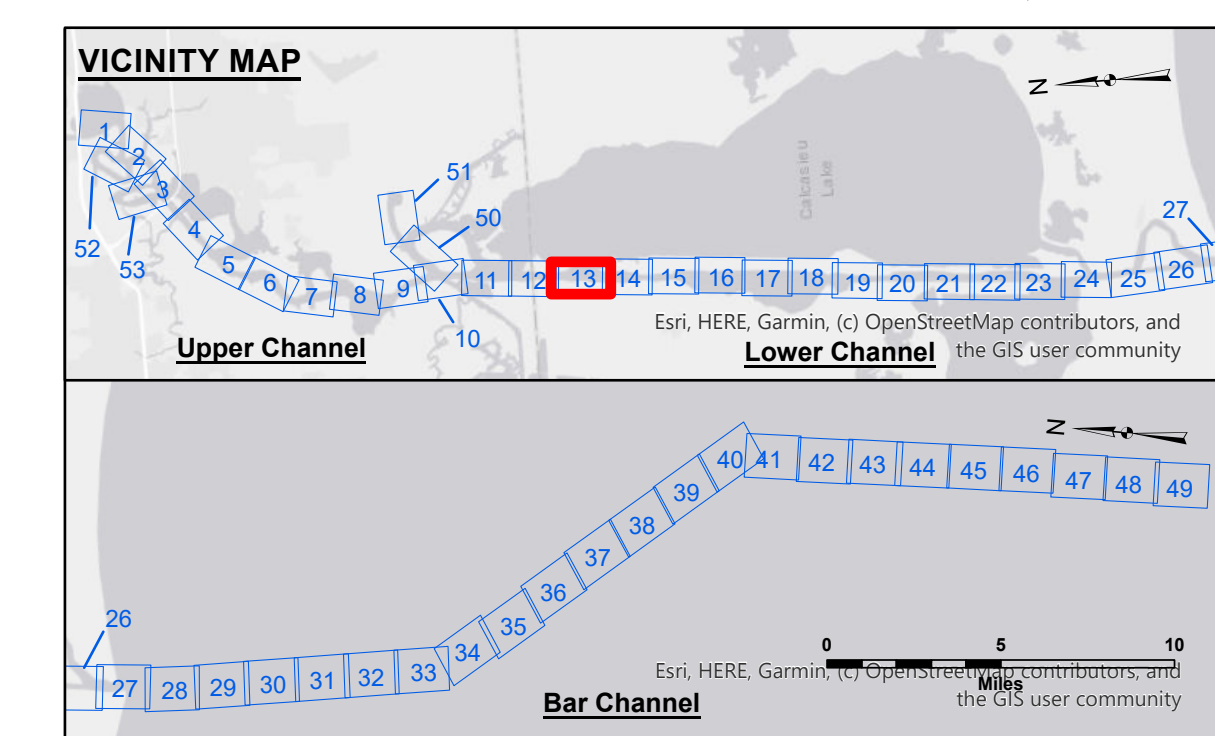
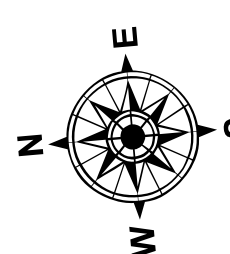




<u>LEGEND</u>					
- - - Federal Navigation Channel	o o Cable Area	3 Fluff Thickness (feet)*			-16' and above
— Federal Navigation Center Line	[] Placement Area	● Shoalest Sounding**			-16' to -21'
▬ As-built Pipeline/Cable	[] Anchorage Area	★ Beacon, General			-21' to -26'
..... Unconfirmed Pipeline/Cable	⊗ 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



Gage Reading: DM 86 VRN: 1.78 MLLW AVG.
Sea Conditions: CALM
Vessel Name: OB-189
Survey Type: CONDITION
Sounding Frequency***: LOW

560,000 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 taken and indicate depths below Mean Lower Low Water Datum (MLLW).
Datum Relationships for gauge 73595 as of December 2013:
0.0' NAVD88 (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 base on and provided by the U.S. Coast Guard
and USACE survey crews.

Aerial Photography data source: BUMP 2026 (DOQQ 1998 in transparent green)

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.



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

DISCLAIMER

Access Constraints: The United States Government furnishes this information as is without warranty or guarantee. It does not represent an official position of the United States Government, nor does it constitute an endorsement or approval by the United States Government of the quality or value of the product advertised or of the claims made for it by its manufacturer. The United States Government assumes no responsibility for and will not be liable in damages for any inaccuracies or omissions in the information furnished. No warranty is made by the United States Government for the use of the information for any purpose other than that for which it was furnished. The United States shall be liable for damages only for claims for injury or death resulting from the negligent or intentional furnishing of false information by the United States Government. The United States shall be liable for damages only for claims for injury or death resulting from the negligent or intentional furnishing of false information by the United States Government.

Distribution Liability: The data represents the results of data collected by the United States Government and is not intended to represent the views or opinions of any individual or organization. The data is not intended to be used for any purpose other than that for which it was collected. The data is not intended to be used for any purpose other than that for which it was collected. The data is not intended to be used for any purpose other than that for which it was collected.

Disclaimer: The information depicted on this map represents the results of a study conducted by the United States Government. It is not intended to represent the views or opinions of any individual or organization. The information depicted on this map represents the results of a study conducted by the United States Government. It is not intended to represent the views or opinions of any individual or organization. The information depicted on this map represents the results of a study conducted by the United States Government. It is not intended to represent the views or opinions of any individual or organization.

<p align="center">U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT</p>		Surveyed By: SP JS BD
Submitted: _____		
Recommended: _____	Chief, Survey Section	
Approved: _____	Chief, Waterways Maintenance Section	Checked By: KOUJ

CALCASIEU SHIP CHANNEL
LOWER SHEET 13
CR_13_LWR_20260625_CS
25 June 2026

Sheet
Reference
Number
13 of 53