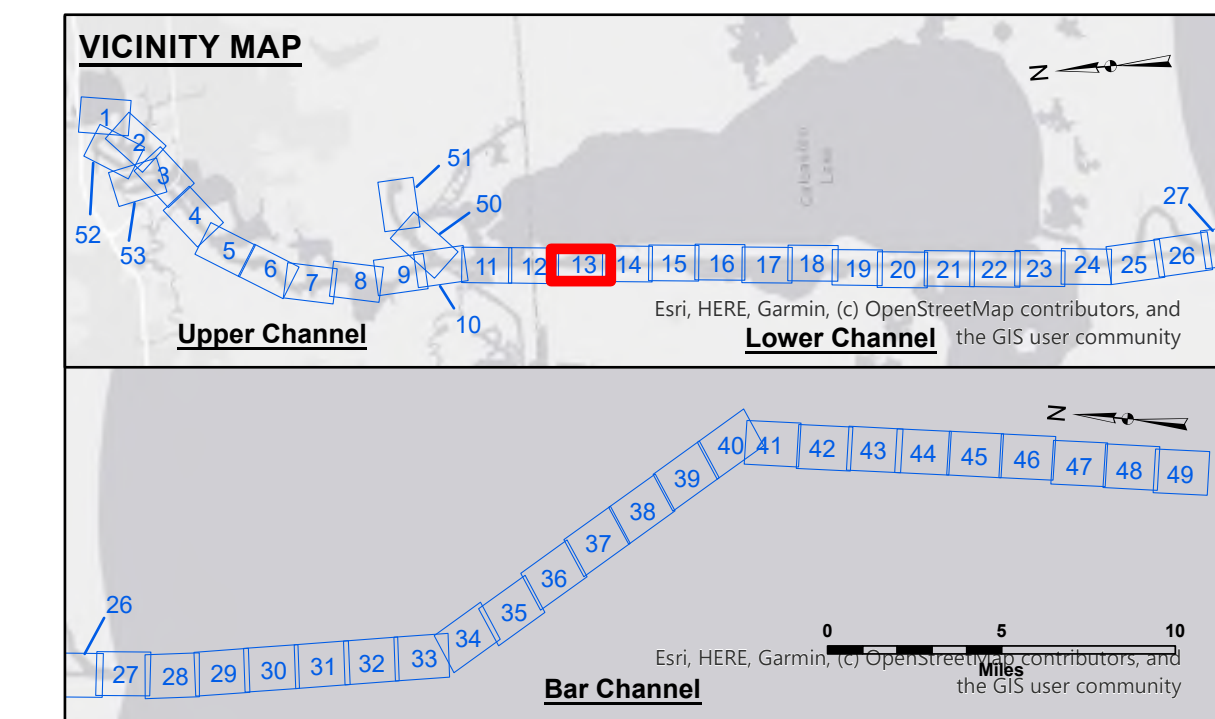
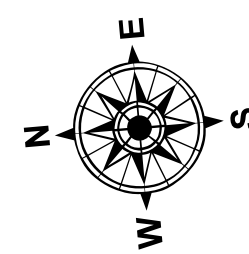
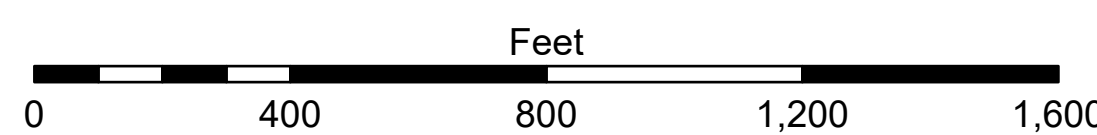




LEGEND				
--- Federal Navigation Channel	○ ○ Cable Area	3 Fluff Thickness (feet)*		-16' and above
— Federal Navigation Center Line	[] Placement Area	● Shoalest Sounding**		-16' to -21'
▬ As-built Pipeline/Cable	[] Anchorage Area	★ Beacon, General		-21' to -26'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction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



Gage Reading: DM 86 VRS: 1.79 MLLW AVG.
Sea Conditions: CALM
Vessel Name: M/V TECHE
Survey Type: CONDITION
Sounding Frequency***: LOW



**500,000
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 shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW).
Datum Relationships for figure 73595 as of December 2013:
0' NAVD83 (OPUS 2013) = 0.9' MLLW = 1.9' MGL or 0' MLLW = 1.0' MGL

Differences 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.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 bot-
tom material. Low frequency accuracies may vary depending on channel conditions and fathometer
settings.

[illegible]

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		Submitted: _____	Surveyed By: SP/JS _____
Recommended: Chief Survey Section		_____	Plotted By: BD _____
Approved: Chief Waterways Maintenance Section		_____	Checked By: AO/JH _____

CALCASIEU SHIP CHANNEL
LOWER SHEET 13
CR_13_LWR_20250815_CS
15 August 2025

**Sheet
Reference
Number**
13 of 53

Revision Number:
5.25.04.03-5.25.04.03