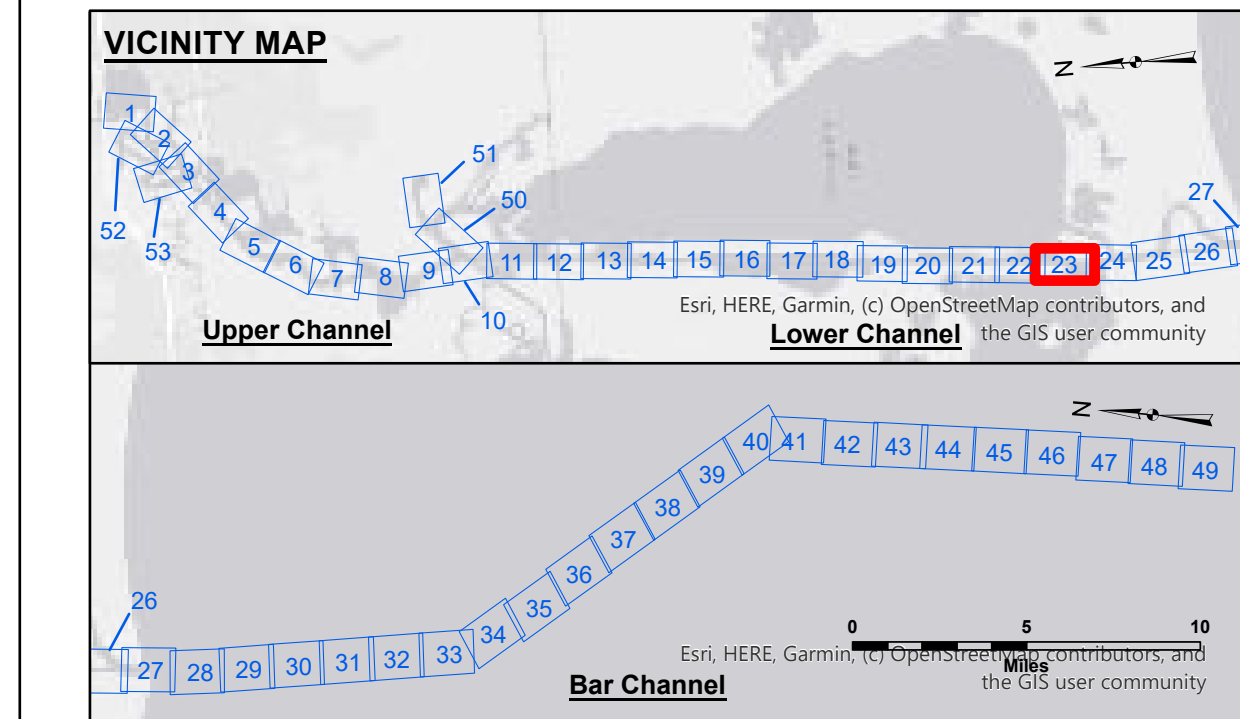
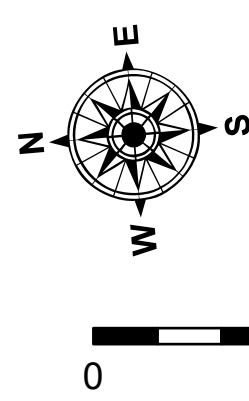




LEGEND							
	Federal Navigation Channel		Cable Area		Fluff Thickness (feet)*		-16' and above
	Federal Navigation Center Line		Placement Area		Shoalest Sounding**		-16' to -21'
	As-built Pipeline/Cable		Anchorage Area		Beacon, General		-21' to -26'
	Unconfirmed Pipeline/Cable		Obstruction Point		Red 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 57 VRN: 2.06 MLLW AVG.
Sea Conditions: CALM
Vessel Name: M/V 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 73625 as of December 2013:
0.0' NAVD83 (2009.55) = 1.2' MLLW = 2.2' 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.

2022 Aerial Photography data source: PAR LLC

Reference is N.O.A. Navigation Chart No. 11339.

* Difference between high and low frequency elevations were 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**

[illegible]

U.S. ARMED FORCES ENGINEERS	
Submitted: _____	Surveyed By: SPJS _____
Recommended: Chief, Survey Section _____	Plotted By: BD _____
Approved: _____	Checked By: AOJH _____

CALCASIEU SHIP CHANNEL
LOWER SHEET 23
CR_23_LWR_20250513_CS
13 May 2025

Sheet
Reference
Number
23 of 53