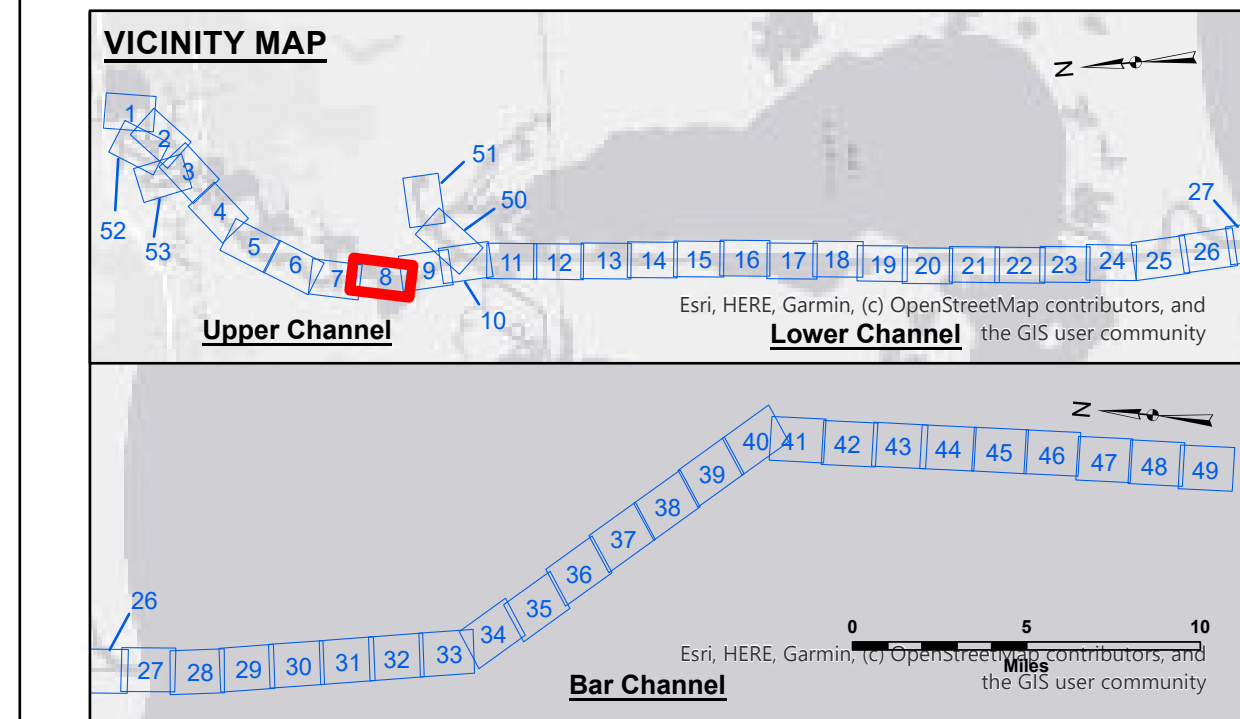
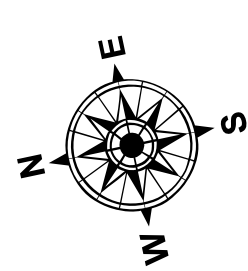
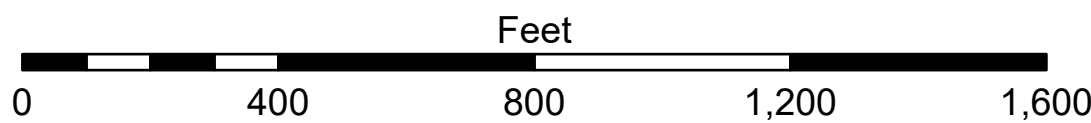




| LEGEND                                                                              |                                |                                                                                       |                   |                                                                                       |                         |                                                                                       |                |
|-------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------|----------------|
|  | 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 102 VRN: 1.65 MLLW AVG.  
Sea Conditions: CALM  
Vessel Name: M/V TECHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW



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 73575 as of December 2013:  
 0.0' NAVD88 (OPUS 2013) = 0.8' MLLW = 1.8' 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.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.

**U.S. ARMY CORP OF ENGINEERS**

|                                                      |                             |
|------------------------------------------------------|-----------------------------|
| Submitted _____                                      | Surveyed By:<br>SP/JS _____ |
| Recommended: Chief, Survey Section _____             | Plotted By:<br>BD _____     |
| Approved: Chief, Watershed Maintenance Section _____ | Checked By:<br>AQ/JH _____  |

## CALCASIEU SHIP CHANNEL

**UPPER SHEET 8**

**21 August 2025**

Sheet  
Reference  
Number  
8 of 53

Revision Number:  
5.25.04.03-5.25.04.03

## DISCLAIMER

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The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.