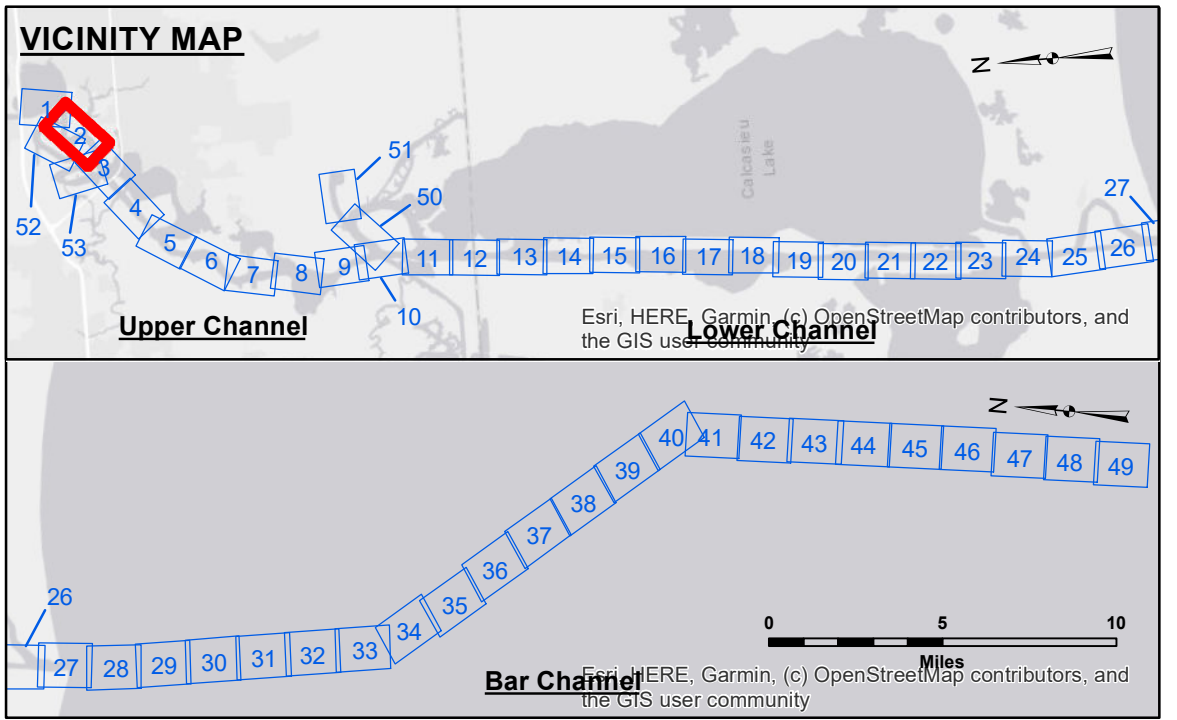


**DISTRIBUTION LIABILITY:** The data represents the results of data collection for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy. The user is responsible for the results. The user is not to be held liable for any use of the data for other than its intended purpose. Data: Hydrographic survey data is subject to change. The user is responsible for the accuracy of the data. The user is not to be held liable for any use of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted by the US Army Corps of Engineers. The user is not to be held liable for any use of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted by the US Army Corps of Engineers. The user is not to be held liable for any use of the data for other than its intended purpose.

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

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL  
UPPER SHEET 2  
CR\_02\_UPR\_20240104\_CS  
04 January 2024**



**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

**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: LAKE CHARLES VRS: 0.30 MLLW AV  
Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW). Datum Relationships for gage 73550 as of December 2013: 0.0' NAVD83 (OPUS 2010) = 0.6' MLLW = 1.6' 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 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.

Gage Reading: CALM  
Sea Conditions: MV TECHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

Feet  
0 400 800 1,200 1,600

**Sheet Reference Number  
2 of 53**

Revision Number:  
4-2-2024(4/2)