

US Army Corps of Engineers District: CEMVN

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DATA CONSTRAINTS: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, changing water levels, sedimentation, and changes in the bathymetry of the channel. The Corps of Engineers does not accept any liability for the use of the data for other than the intended purpose.

INTERNAL USE: The information depicted on this map represents the results of a survey conducted on the date of the survey. It is not intended to represent the general condition existing at that time.

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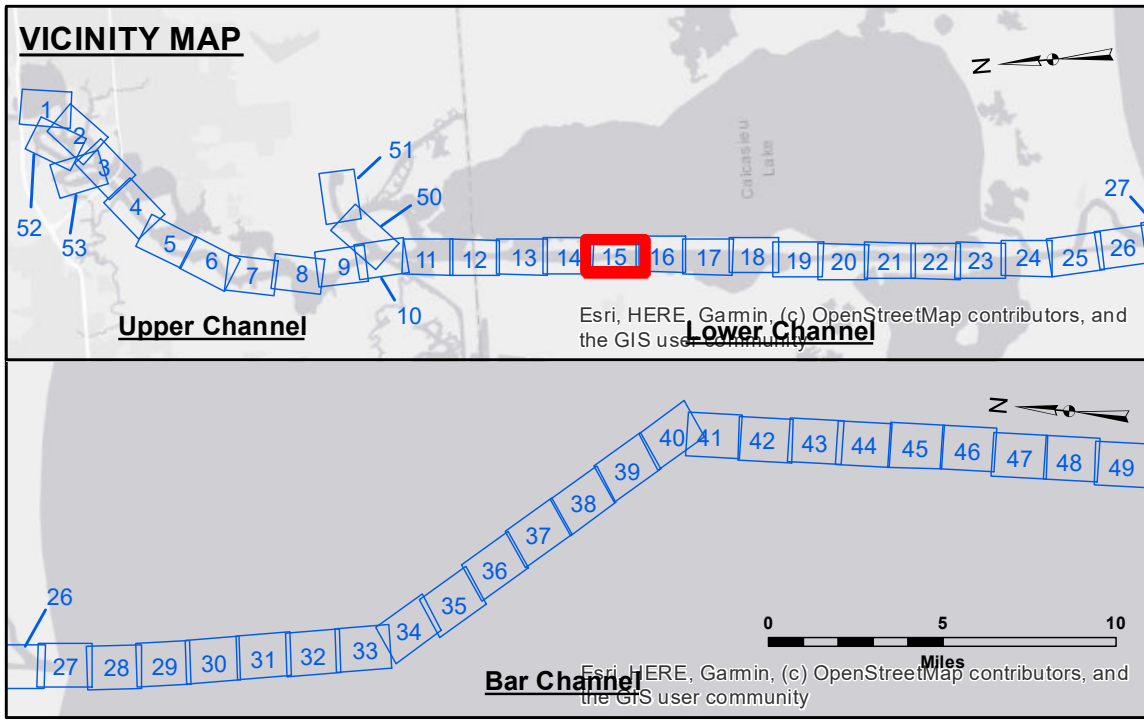
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Submitted:	Surveyed By:	SP-JS
Recommended:	Plotted By:	BD
Approved:	Chief, Survey Section	AD/JH
	Chief, Waterways Maintenance Section	

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL
LOWER SHEET 15
CR_15_LWR_20230605_CS
05 June 2023**

**Sheet Reference Number
15 of 53**



LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	⊗ Wrecks-Submerged
3 Fluff Thickness (feet)*	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
★ Beacon, General	◆ Green Navigation Buoy
◆ Red Navigation Buoy	
◆ Green Navigation Buoy	

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 73600 as of December 2013:
0.0' NAVD88 (OPUS 2010) = 1.0' MLLW = 2.0' 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 based 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 the "fluff" layer to depict elevations of consolidated bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer settings.

Gage Reading: NTRIP VRS RTK: 1.94 MLLW AVG.
Sea Conditions: CALM
Vessel Name: MV TECHE
Survey Type: CONDITION
Sounding Frequency***: LOW

0 400 800 1,200 1,600 Feet