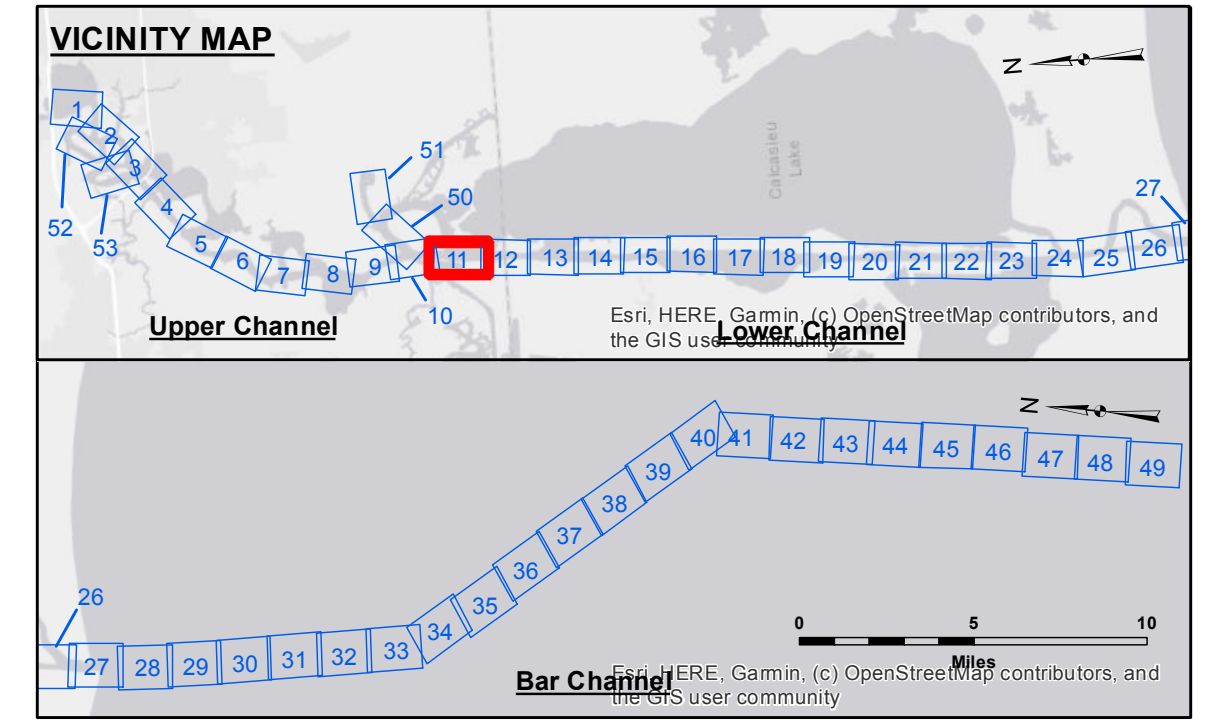


**DISCLAIMER:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, expressed or implied, as to the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The recipient agrees to indemnify and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the data for other than the intended purpose. The recipient agrees to hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the data for other than the intended purpose.

Submitted:	Surveyed By: JDH/ADAMS
Recommended:	Plotted By: BD
Approved:	Checked By: AC

**CALCASIEU SHIP CHANNEL  
LOWER SHEET 11  
CR\_11\_LWR\_20200616\_CS\_POSTSTORM  
16 June 2020**



**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: 1.72 MLLW AVG.  
Sea Conditions: 1'  
Vessel Name: MV VALENTOUR  
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 73595 as of December 2013: 0.0' NAVD83 (OPUS 2013) = 0.9' MLLW = 1.9' 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.  
2015 Aerial Photography data source: NAIP  
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.

**Sheet Reference Number  
11 of 53**