

**US Army Corps of Engineers District: CEMV**

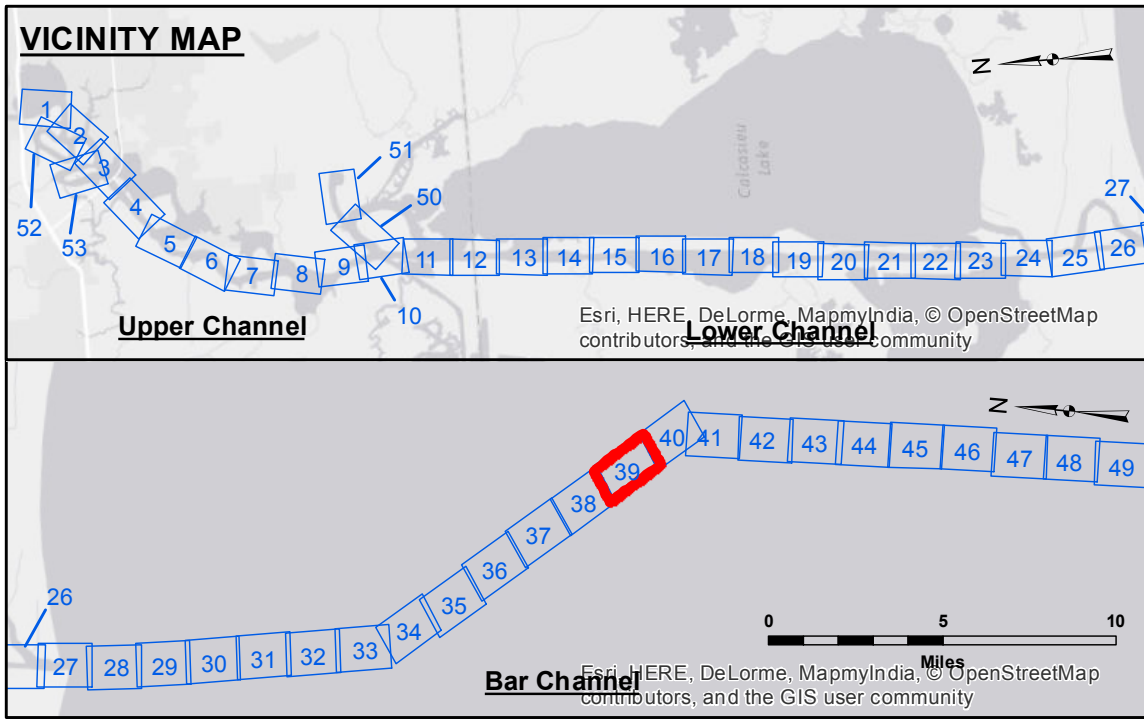
**DISCLAIMER:** The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is not intended for other uses. The user is responsible for the accuracy, reliability, and completeness of the data for the intended purpose. The user is also responsible for the accuracy, reliability, and completeness of the data for the intended purpose. The user is also responsible for the accuracy, reliability, and completeness of the data for the intended purpose.

Submitted:	Surveyed By: SPS/JH
Recommended:	Plotted By: BITD
Approved:	Checked By: TAF

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

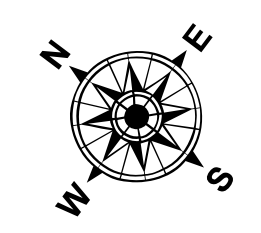
**CALCASIEU SHIP CHANNEL**  
**BAR SHEET 39**  
**CR\_39\_BAR\_20151104**  
**04 November 2015**

**Sheet Reference Number**  
**39 of 53**

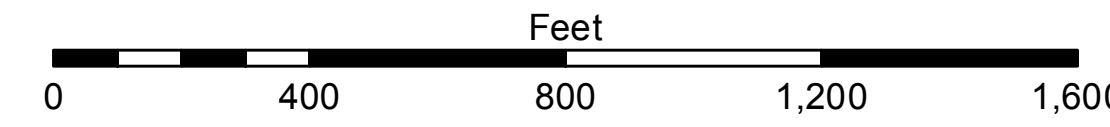


**LEGEND**

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -15' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -15' to -20'
— As-built Pipeline/Cable	□ Anchorage Area	☆ Beacon, General	■ -20' to -25'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	♦ Red Navigation Buoy	■ -25' to -32'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -32' to -38'
			■ -38' to -40'
			■ -40' to -42'
			■ -42' and below



Gage Reading: CAMERON:3.03 MLG  
Sea Conditions: CHOPPY  
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 Low Gulf Datum (MLG). Datum Relationships for gage 73650 as of December 2013: 0.0' NAVD83 (2009.55) = 1.3' MLLW = 2.3' 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.

2010 Aerial Photography data source: NAIP

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

\*\* 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.