

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

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**U.S. ARMY CORPS OF ENGINEERS**  
NEW ORLEANS DISTRICT

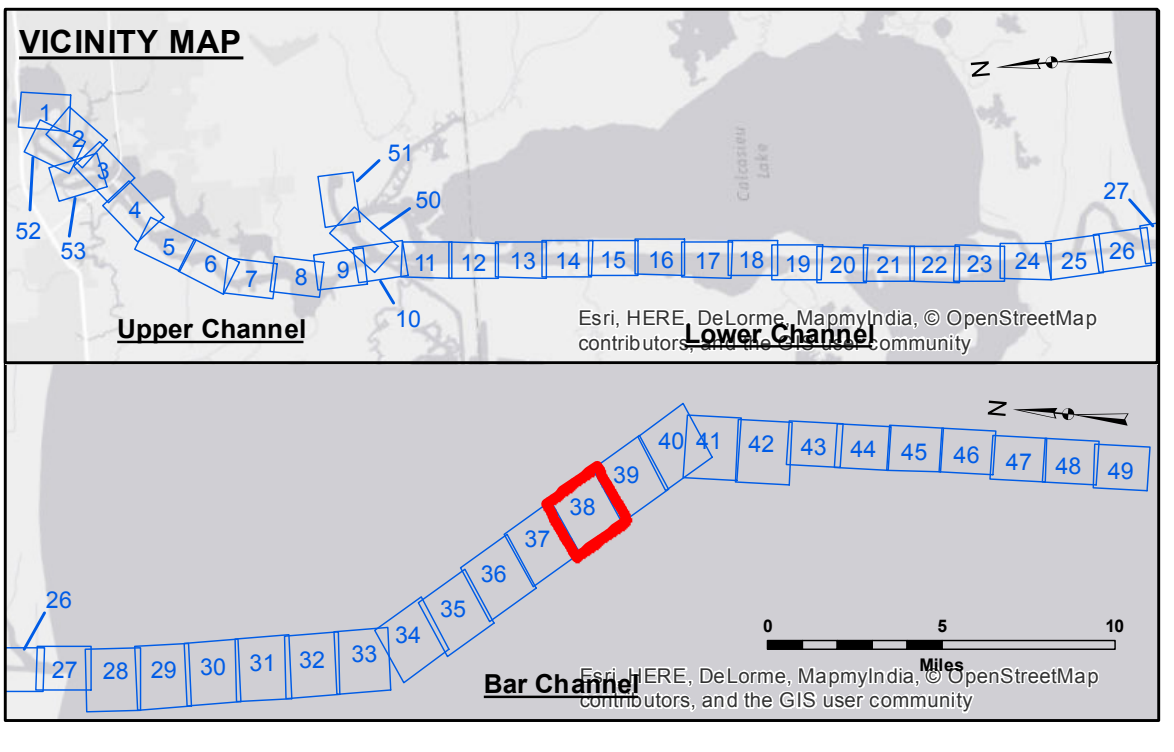
Submitted: \_\_\_\_\_  
Recommended: \_\_\_\_\_  
Approved: \_\_\_\_\_

Surveyed By: SR, JH  
Plotted By: BTD  
Checked By: JAF

**CALCASIEU SHIP CHANNEL**  
BAR SHEET 38  
CR\_38\_BARX\_20150812  
12 August 2015

**Sheet Reference Number**  
38 of 53

Revision Number: 3.0-20150200



**LEGEND**

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	★ Shoalest Sounding**	■ -15' and above
— Federal Navigation Center Line	□ Placement Area	★ Beacon, General	★ Red Navigation Buoy	■ -15' to -20'
— As-built Pipeline/Cable	⊗ Obstruction Point	★ Red Navigation Buoy	★ Green Navigation Buoy	■ -20' to -25'
..... Unconfirmed Pipeline/Cable	★ Wrecks-Submerged	★ Green Navigation Buoy		■ -25' to -32'
— Project Depth Contour				■ -32' to -38'
				■ -38' to -40'
				■ -40' to -42'
				■ -42' 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:  
Soundings are shown in feet and indicate depths below Mean Low Gulf Datum (MLG).  
Datum Relationships for gage 73650 = December 2013:  
0.0' NAVD88 (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 based on and provided by the U.S. Coast Guard and USACE survey crews.

2010 Aerial Photography data source: NAIP  
Reference is N.O.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.

Gage Reading: CAMERON: 2.5 MLG  
Sea Conditions: CALM  
Vessel Name: MV TECHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

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