

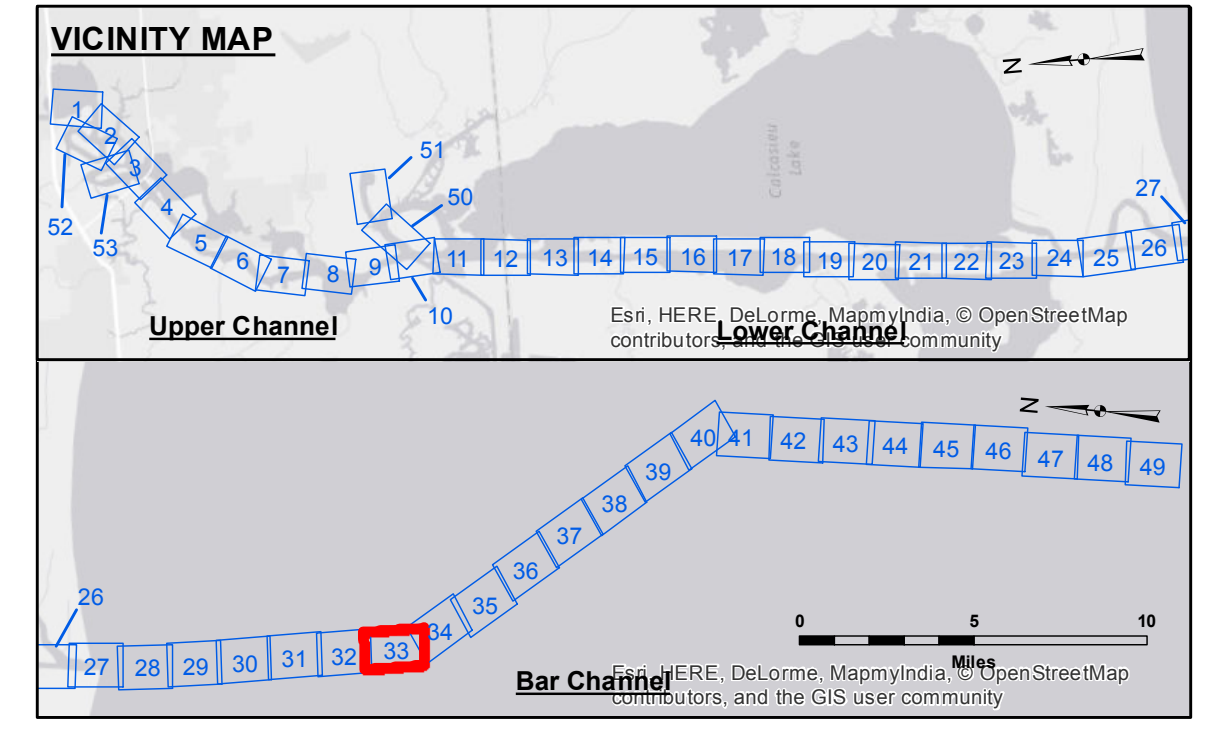
**DISCLAIMER**  
 The information depicted on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended.

Submitted:	Surveyed By: JA, JH
Recommended:	Plotted By: AO
Approved:	Checked By: TF

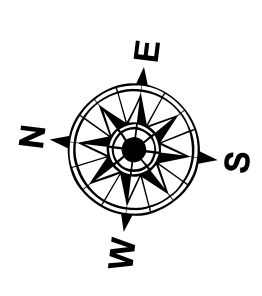
**CALCASIEU SHIP CHANNEL**  
**BAR SHEET 33**  
**CR\_33\_BAR\_20150623\_POSTSTORM**  
**23 June 2015**

**Sheet Reference Number**  
**33 of 53**

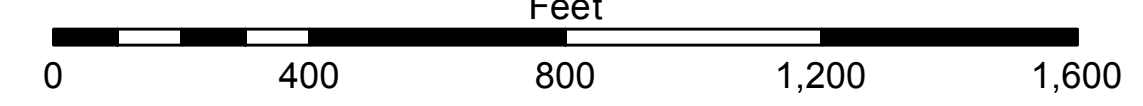
Revision Number: 3.8.9-20150202



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



Gage Reading: CAMERON: 2.6 MLG AVG  
 Sea Conditions: CALM  
 Vessel Name: M/V LAFOURCHE  
 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 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.