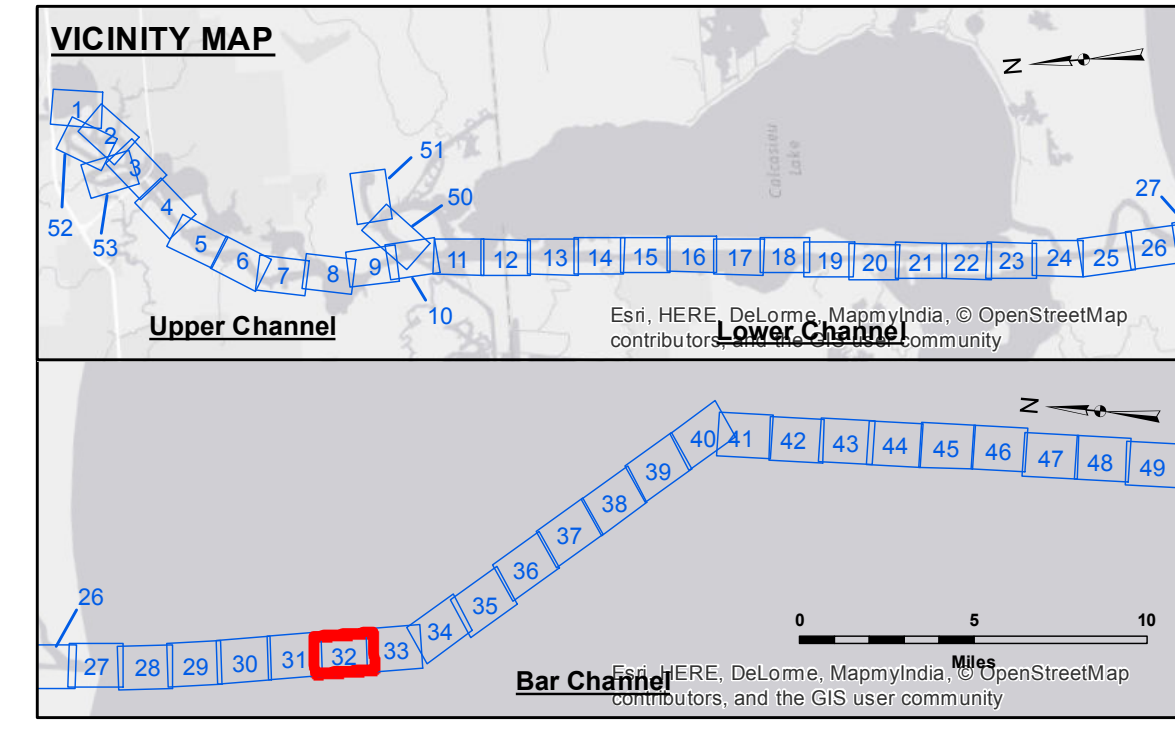


**Accession:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are not to be used for any purpose other than that for which they were intended, and that the user assumes all liability for any use of the data other than that for which they were intended. The information depicted on this map represents the results of a hydrographic survey conducted by the United States Army Corps of Engineers and is not to be used for any purpose other than that for which it was intended. The user assumes all liability for any use of the data other than that for which it was intended. The information depicted on this map represents the results of a hydrographic survey conducted by the United States Army Corps of Engineers and is not to be used for any purpose other than that for which it was intended. The user assumes all liability for any use of the data other than that for which it was intended.

Submitted:	Surveyed By: PS, JH
Recommended:	Plotted By: AO
Approved:	Checked By: AC
Chief, Waterways Maintenance Section	

**CALCASIEU SHIP CHANNEL  
BAR SHEET 32  
CR\_32\_BAR\_20170222  
22 February 2017**



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

Gage Reading: CAMERON: 2.0 MLG  
 Sea Conditions: CALM  
 Vessel Name: OB-167  
 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' 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.  
 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  
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