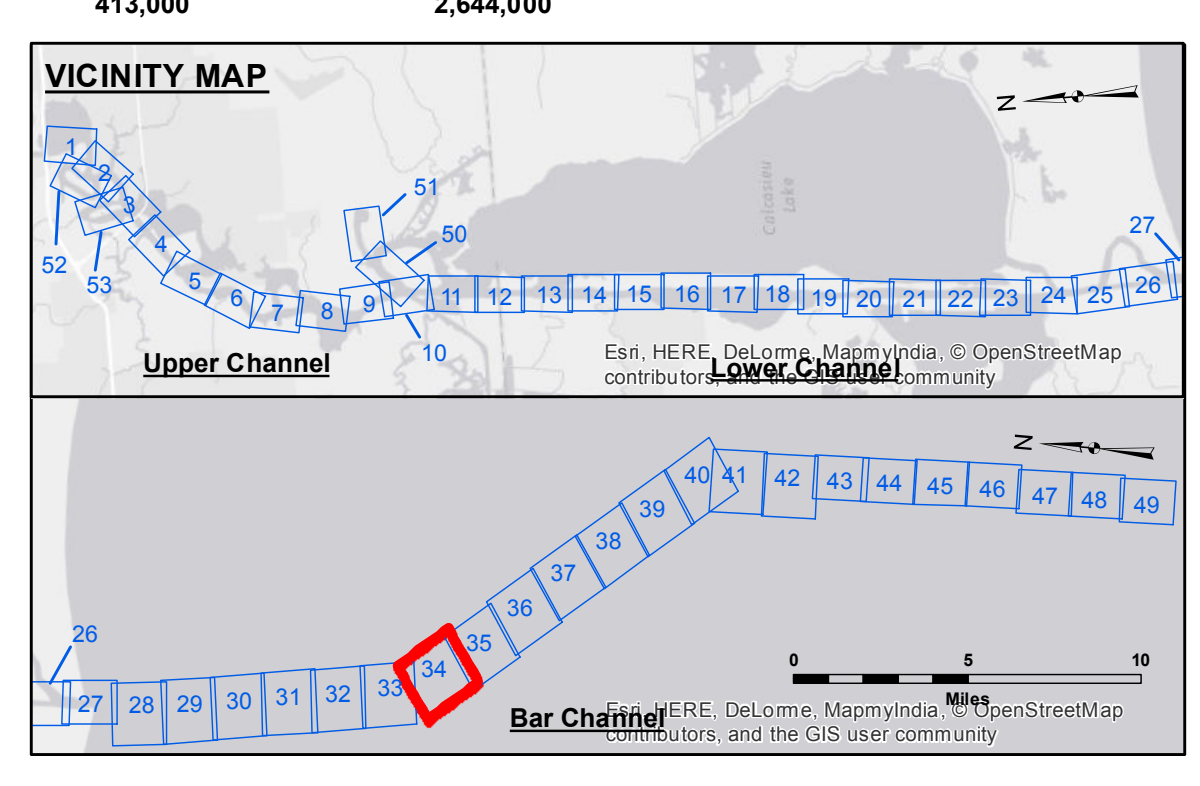


**LC CURVE DATA**  
 $\Delta = 30^\circ 13'$   
 $D = 1^\circ 00'$   
 $T = 1546.85'$   
 $L = 3021.67'$   
 $R = 5729.58'$



LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
--- Unconfirmed Pipeline/Cable	⊠ Obstruction Point
— Project Depth Contour	⚓ Wrecks-Submerged
3 Fluff Thickness (feet)*	★ Beacon, General
● Shoalest Sounding**	★ Red Navigation Buoy
★ Beacon, General	◆ Green Navigation Buoy
● -15' and above	
● -15' to -20'	
● -20' to -25'	
● -25' to -32'	
● -32' to -38'	
● -38' to -40'	
● -40' to -42'	
● -42' and below	

Gage Reading: CAMERON: 2.8 MLG AVG  
 Sea Conditions: 1-2  
 Vessel Name: M/V TECHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

Vertical Datum:  
 North American Datum of 1983 (NAD83), projected to the State Plane  
 Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.  
 Soundings are shown in feet and indicate depths below Mean Low Gull Datum (MLG).  
 Datum Relationships for page 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. 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.



DISCLAIMER: The data reported in this report were derived from the best available information and are not guaranteed to be accurate. The user of this report is responsible for the accuracy of the data and for the results of any operations. The user is responsible for the accuracy of the data and for the results of any operations. The user is responsible for the accuracy of the data and for the results of any operations.

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

Submitted: \_\_\_\_\_  
 Recommended: \_\_\_\_\_  
 Checked By: \_\_\_\_\_  
 Approved: \_\_\_\_\_

**CALCASIEU SHIP CHANNEL**  
**BAR SHEET 34**  
**CR\_34\_BARX\_20160627**  
**27 June 2016**

**Sheet Reference Number**  
**34 of 53**

Revision Number: 15-9-2015000

Sheet 35  
 407,000  
 2,650,000  
 2,647,000  
 413,000  
 2,644,000  
 410,000  
 2,647,000  
 413,000