



**LEGEND**

--- Federal Navigation Channel	● Cable Area	3 Fluff Thickness (feet)*	■ -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: 2.66 MLG  
 Sea Conditions: 4-5'  
 Vessel Name: M/V TECHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

Vertical Datum:  
 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.

**NOTE 57,000**  
 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.

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

**DISCLAIMER**  
 The data represented on this chart is the result of a survey conducted by the U.S. Army Corps of Engineers, District of New Orleans, and is not to be used for any purpose other than that for which it was intended. The user is responsible for the accuracy and reliability of the data for any other purpose. The user is also responsible for the accuracy and reliability of the data for any other purpose. The user is also responsible for the accuracy and reliability of the data for any other purpose.

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

Submitted: S.J.R./J.H.  
 Prepared By: B.T.D.  
 Checked By: J.L.T.O.

**CALCASIEU SHIP CHANNEL**  
**BAR SHEET 34**  
**CR\_34\_BARX\_20160712**  
**12 July 2016**

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

Revision Number:  
 15-9-2015000