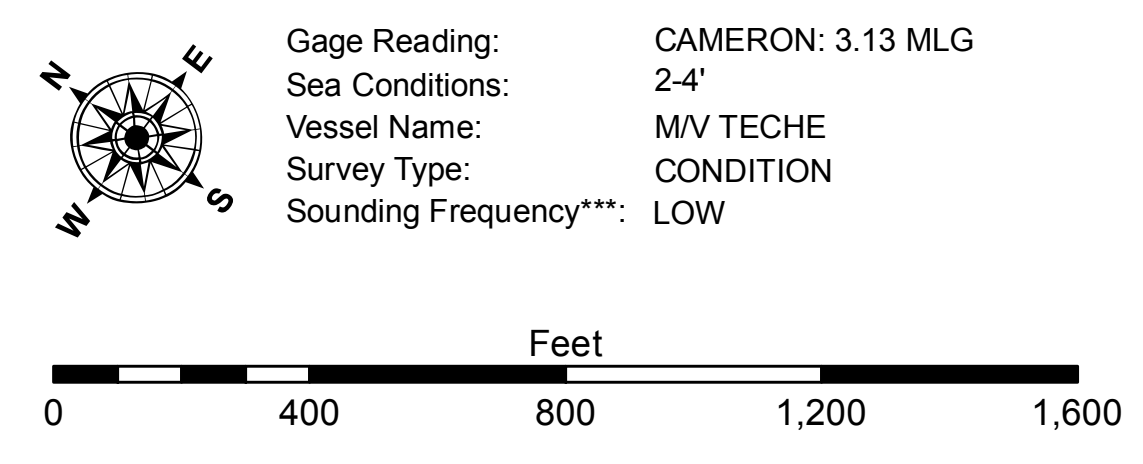


**LEGEND**

|                                  |                     |                           |                  |
|----------------------------------|---------------------|---------------------------|------------------|
| --- 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 |



**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.



**DISCLAIMER**  
 The information depicted on this map represents the results of a survey conducted under contract to the U.S. Army Corps of Engineers. The user of this information is advised that the information is provided for informational purposes only and is not intended for navigation. The user is responsible for the accuracy, completeness, and reliability of the information. The user is advised that the information is not to be used for any purpose other than that for which it was intended. The user is advised that the information is not to be used for any purpose other than that for which it was intended. The user is advised that the information is not to be used for any purpose other than that for which it was intended.

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

|              |                        |
|--------------|------------------------|
| Submitted:   | Surveyed By:<br>SPS JH |
| Recommended: | Plotted By:<br>BD      |
| Approved:    | Checked By:<br>AC      |

**CALCASIEU SHIP CHANNEL**  
**BAR SHEET 35**  
**CR\_35\_BAR\_20170911\_CS\_POSTSTORM**  
**11 September 2017**

**Sheet Reference Number**  
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