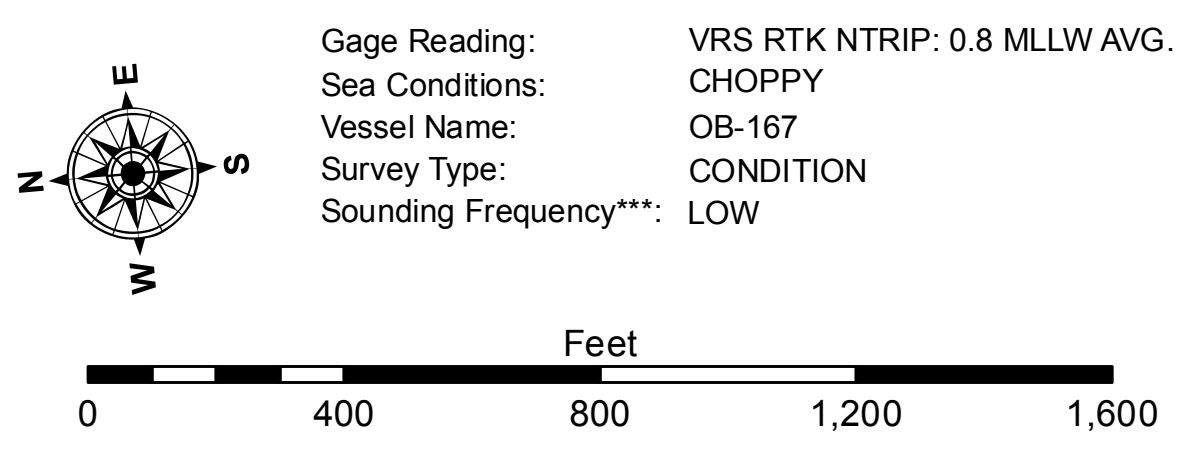


| LEGEND                           |                     |                           |                |
|----------------------------------|---------------------|---------------------------|----------------|
| --- Federal Navigation Channel   | ○ Cable Area        | 3 Fluff Thickness (feet)* | -16' and above |
| — Federal Navigation Center Line | □ Placement Area    | ● Shoalest Sounding**     | -16' to -21'   |
| — As-built Pipeline/Cable        | □ Anchorage Area    | ★ Beacon, General         | -21' to -26'   |
| ..... Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy     | -26' to -33'   |
| — Project Depth Contour          | ⚓ Wrecks-Submerged  | ◆ Green Navigation Buoy   | -33' to -39'   |
|                                  |                     |                           | -39' to -41'   |
|                                  |                     |                           | -41' to -43'   |
|                                  |                     |                           | -43' 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 Lower Low Water Datum (MLLW). Datum Relationships for gage 73600 as of December 2013:  
 0.0' NAVD88 (OPUS 2010) = 1.0' MLLW = 2.0' 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 base 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.



**DISTRIBUTION LIABILITY:** The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, contract, time and accuracy specifications. The user is responsible for the results and accuracy of the data for other than its intended purpose. The application of the data for other than its intended purpose is at the user's risk. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey and is not to be used for any purpose other than that for which it was prepared. The information depicted on this map represents the results of a survey and is not to be used for any purpose other than that for which it was prepared.

|              |                   |
|--------------|-------------------|
| Submitted:   | Surveyed By: SPPM |
| Recommended: | Plotted By: BD    |
| Checked:     | Checked By: AC    |
| Approved:    |                   |

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL  
 LOWER SHEET 15  
 CR\_15\_LWR\_20210210\_CS  
 10 February 2021**

**Sheet Reference Number  
 15 of 53**