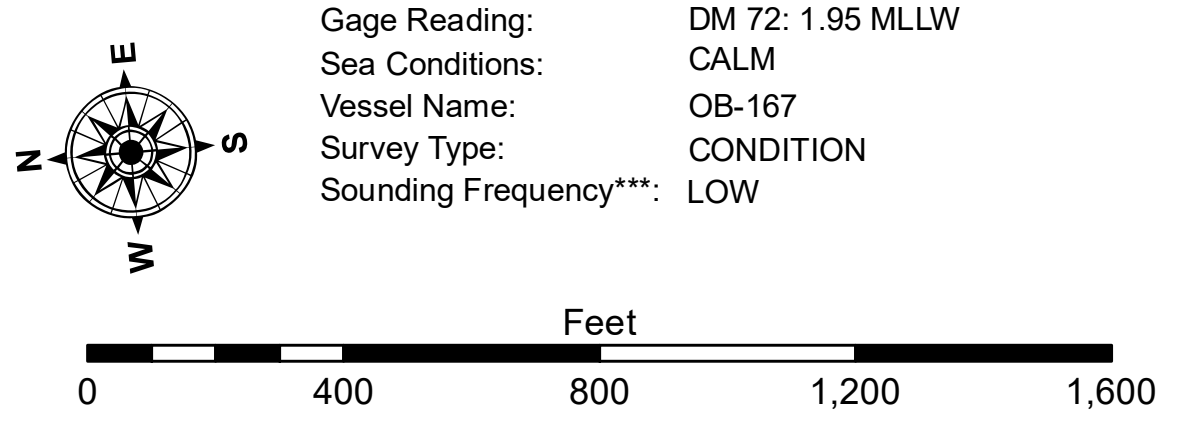


LEGEND

| | | | |
|----------------------------------|---------------------|---------------------------|----------------|
| --- 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 73615 as of December 2013:
 0.0' NAVD83 (2009.55) = 1.1' MLLW = 2.1' 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, control, time and accuracy specifications. The user is responsible for the results. The application of the data for other than its intended purpose. Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and changes in channel conditions. The user is responsible for the use of the data. The information depicted on this map represents the results of a survey conducted on the date shown. It is not intended to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

| | |
|--------------|-----------------------|
| Submitted: | Surveyed By: SP/PM |
| Recommended: | Plotted By: BD |
| Approved: | Checked By: AC |

**CALCASIEU SHIP CHANNEL
 LOWER SHEET 18
 CR_18_LWR_20201005_CS
 05 October 2020**

**Sheet Reference Number
 18 of 53**