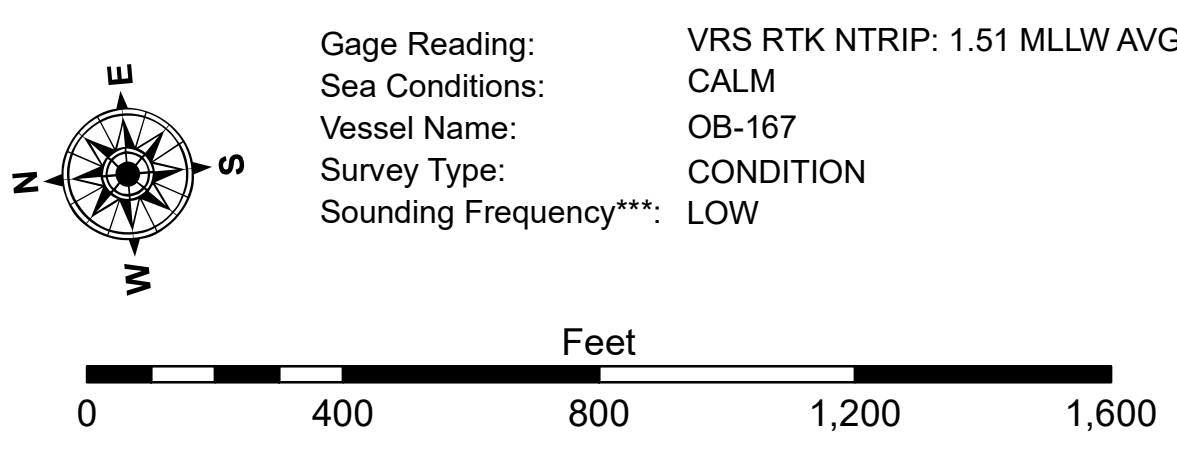


| LEGEND | | | |
|--------|--------------------------------|--|----------------|
| | Federal Navigation Channel | | -16' and above |
| | Federal Navigation Center Line | | -16' to -21' |
| | As-built Pipeline/Cable | | -21' to -26' |
| | Unconfirmed Pipeline/Cable | | -26' to -33' |
| | Project Depth Contour | | -33' to -39' |
| | Cable Area | | -39' to -41' |
| | Placement Area | | -41' to -43' |
| | Anchorage Area | | -43' and below |
| | Obstruction Point | | |
| | Wrecks-Submerged | | |
| | Fluff Thickness (feet)* | | |
| | Shoalest Sounding** | | |
| | Beacon, General | | |
| | Red Navigation Buoy | | |
| | Green Navigation Buoy | | |



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' NAVD83 (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.
 2022 Aerial Photography data source: PAR LLC
 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.



Access/Complaints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any particular purpose of the recipient, and that the user is responsible for the results of any use of the data for any purpose other than that for which they were collected. The user is responsible for the results of any use of the data for any purpose other than that for which they were collected. The user is responsible for the results of any use of the data for any purpose other than that for which they were collected.

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, content, time and accuracy specifications. The user is responsible for the results of any use of the data for any purpose other than that for which they were collected. The user is responsible for the results of any use of the data for any purpose other than that for which they were collected.

Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, changing hydrographic conditions, changes in the bathymetry of the channel, and changes in the hydrographic conditions which develop after the date of the survey. The user is responsible for the results of any use of the data for any purpose other than that for which they were collected.

| | |
|--------------|--------------------------------------|
| Submitted: | Surveyed By: SP/PM |
| Recommended: | Plotted By: JH |
| Checked: | Chart, Survey Section |
| Approved: | Chart, Waterways Maintenance Section |

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

**CALCASIEU SHIP CHANNEL
 LOWER SHEET 15
 CR_15_LWR_20220720_CS
 20 July 2022**

**Sheet Reference Number
 15 of 53**

Revision Number:
 4-2-2020(4/20)