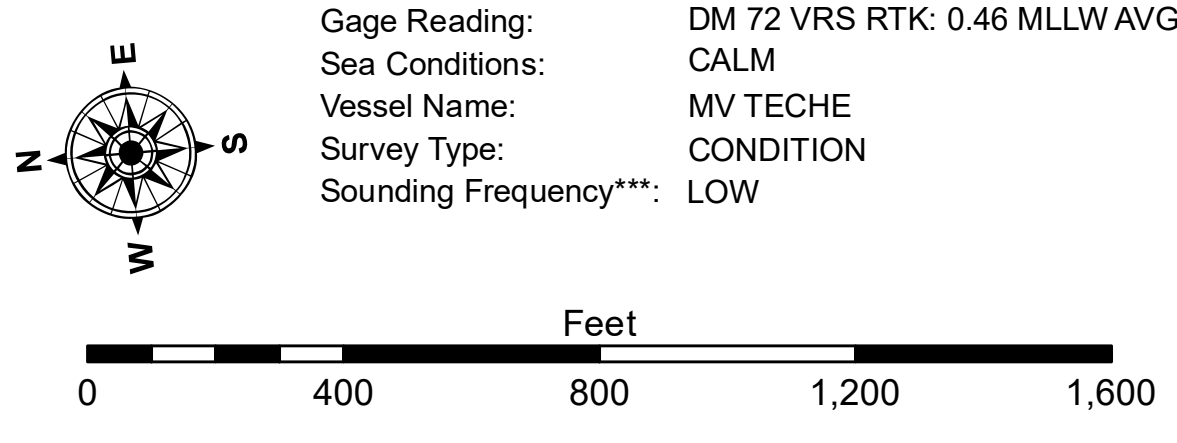


**LEGEND**

|                                  |                     |                           |                  |
|----------------------------------|---------------------|---------------------------|------------------|
| --- 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 based 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.



**DISCLAIMER:**

The United States Government furnishes these data and the recipient accepts and uses them with the express warranty, or implied concerning the accuracy, completeness, reliability, usability or availability for any particular purpose of the information. The user is responsible for the results obtained from the use of this information. Application of the data for other than its intended purpose is at the user's risk. The user shall be held responsible for any damage or liability whatsoever to any person by reason of any use made in reliance on these data. These data are provided as a service to the recipient and are not to be used for any purpose other than that for which they were provided. The recipient may not transfer these data to others without also transferring the Disclaimer. The information depicted on this map represents the results of a survey conducted on or about the date indicated. It is considered to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

|   |                       |
|---|-----------------------|
| Submitted:  | Surveyed By:<br>SP-JS |
| Recommended:<br>Chief, Survey Section             | Plotted By:<br>JH     |
| Approved:<br>Chief, Waterways Maintenance Section | Checked By:<br>JH     |

**CALCASIEU SHIP CHANNEL  
LOWER SHEET 19  
CR\_19\_LWR\_20231129\_CS  
29 November 2023**

**Sheet Reference Number  
19 of 53**