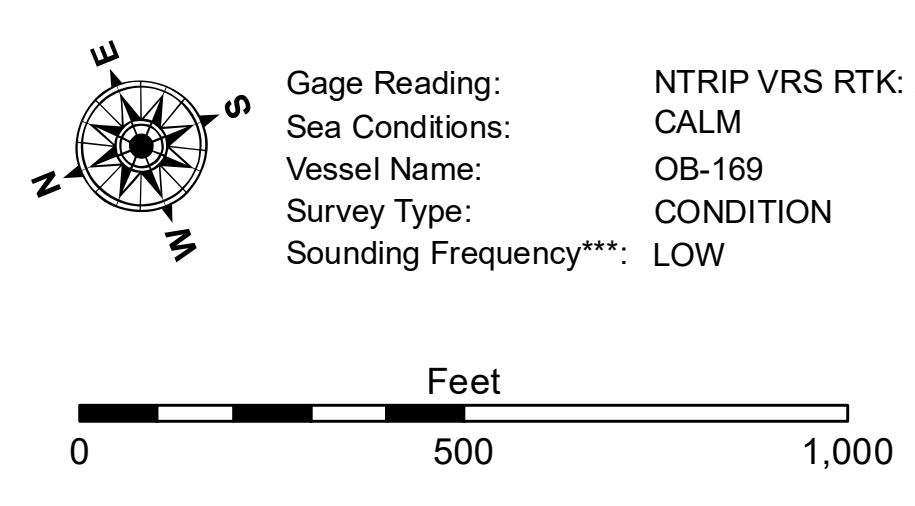


| LEGEND                           |                     |                         |
|----------------------------------|---------------------|-------------------------|
| --- Federal Navigation Channel   | ○ Cable Area        | □ Borrow Area           |
| — Federal Navigation Center Line | ■ Placement Area    | ● Shoalest Sounding**   |
| — As-built Pipeline/Cable        | □ Anchorage Area    | ★ Beacon, General       |
| ..... Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy   |
| — Project Depth Contour          | ⚓ Wrecks-Submerged  | ◆ Green Navigation Buoy |
|                                  |                     | ■ -15' and above        |
|                                  |                     | □ -15' 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).

The location of navigation aids are base on and provided by the U.S. Coast Guard.

2017 Aerial Photography data source: NAIP. 1998 DOQQ imagery shown in green from USGS.

Reference is N.O.A.A. Navigation Chart No. 11344 and 11348.

\*\* 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 understanding that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the results obtained under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient may not transfer, disseminate, reproduce, or otherwise use these data to others without also transferring this Disclaimer. The information depicted on this map represents the results of a survey conducted on the date of the survey. The Corps of Engineers does not warrant the accuracy of the information to represent the general condition existing at that time. The Corps of Engineers is not responsible for any damage or injury resulting from the use of this information.

| U.S. ARMY CORPS OF ENGINEERS<br>NEW ORLEANS DISTRICT |                                     |                      |
|--|-------------------------------------|----------------------|
| Submitted:   | Surveyed By:<br>SP/SR               | Checked By:<br>AO/JH |
| Recommended:   | Plotted By:<br>BD                   |                      |
| Approved:  | Chief Survey Section                |                      |
|  | Chief Waterways Maintenance Section |                      |

**MERMENTAU RIVER  
LOWER RIVER  
MM\_12\_LWR\_20230328\_CS  
28 March 2023**

**Sheet  
Reference  
Number  
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