



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.

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.

Gage Reading: NTRIP VRS RTK: 2.83 MLG AVG.
Sea Conditions: CALM
Vessel Name: OB-169
Survey Type: CONDITION
Sounding Frequency***: LOW

0 500 1,000 Feet



DISCLAIMER
The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are not to be used for any purpose other than that for which they were prepared, and that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The recipient shall be responsible for the accuracy, completeness, reliability, usability or suitability of the data for any use other than that for which they were prepared. The recipient may not transfer these data to others without the written approval of the U.S. Army Corps of Engineers. The recipient shall be responsible for changes in the hydrographical conditions which develop after the date of the information depicted on this map representing the results of a survey conducted on or after the date of the information depicted on this map. The recipient shall be responsible for the accuracy of the information depicted on this map. The recipient shall be responsible for the accuracy of the information depicted on this map. The recipient shall be responsible for the accuracy of the information depicted on this map.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: SP/SR
Recommended:	Plotted By: BD
Approved:	Checked By: AO/JH

**MERMENTAU RIVER
LOWER RIVER
MM_13_LWR_20230328_CS
28 March 2023**

**Sheet
Reference
Number
13 of 25**