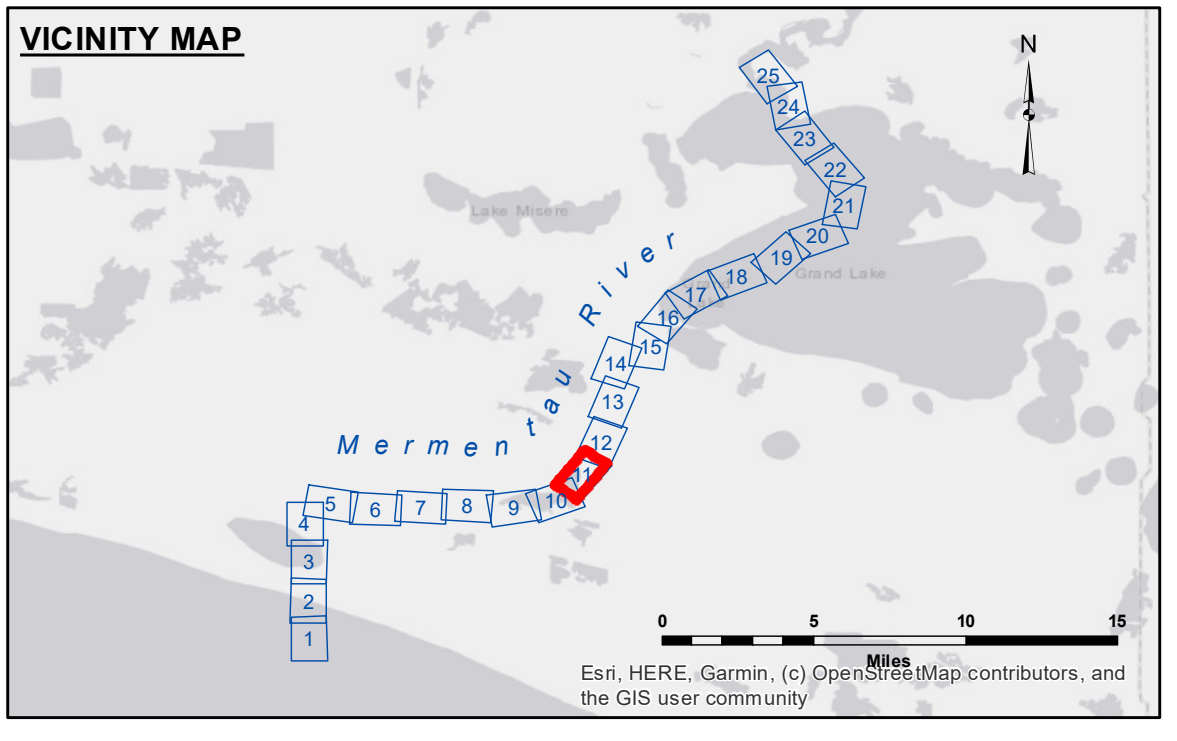


DISTRIBUTION LIABILITY: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results. The user must understand the application of the data for other than its intended purpose. The user must also understand that the data is only valid for the specific project and the user must not use the data for other than its intended purpose. The user must also understand that the data is only valid for the specific project and the user must not use the data for other than its intended purpose. The user must also understand that the data is only valid for the specific project and the user must not use the data for other than its intended purpose.

U.S. ARMY CORPERS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: JH/PS
Recommended: Chief, Survey Section	Plotted By: AO
Approved: Chief, Waterways Maintenance Section	Checked By: AO

**MERMNTAU RIVER
LOWER RIVER**
MM_11_LWR_20200122_CS
22 January 2020

**Sheet
Reference
Number**
11 of 25



LEGEND

- - - Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- ⊗ Obstruction Point
- ✎ Wrecks-Submerged
- ▭ Borrow Area
- Shoalest Sounding**
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◆ 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 based on and provided by the U.S. Coast Guard.

2015 Aerial Photography data source: NAIP. 1998 DOQQ imagery
shown in green from USGS.

Reference is N.O.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: CATFISH PT: 3.0 MLG
Sea Conditions: CALM
Vessel Name: 189
Survey Type: CS
Sounding Frequency***: HIGH

0 500 1,000 Feet