



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

Gage Reading: CATFISH PT.: 3.11 MLG
 Sea Conditions: CALM
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

0 500 1,000
 Feet

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.



DISCLAIMER:

The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. It is not intended to be used for any purpose other than that for which it was prepared. The user is responsible for the accuracy, completeness, and reliability of the information for any particular purpose of the user. The U.S. Army Corps of Engineers does not warrant, represent, or guarantee the accuracy, completeness, or reliability of the information for any purpose other than that for which it was prepared. The user is responsible for the accuracy, completeness, and reliability of the information for any particular purpose of the user. The U.S. Army Corps of Engineers does not warrant, represent, or guarantee the accuracy, completeness, or reliability of the information for any purpose other than that for which it was prepared. The user is responsible for the accuracy, completeness, and reliability of the information for any particular purpose of the user.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: RYLAND/RHODEN	Plotted By: BD
Recommended:	Chief, Survey Section	Checked By: JAC
Approved:	Chief, Waterways Maintenance Section	

**MERMENTAU RIVER
 LOWER RIVER
 MM_12_LWR_20170822_CS
 22 August 2017**

**Sheet
 Reference
 Number
 12 of 25**

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 3.12-2016R11