



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.: 3.14 MLG
 Sea Conditions: CALM
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

Horizontal Datum:
 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.

2010 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.

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

*** 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.

NOTES:

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DISCLAIMER

The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: RYLAND/RHODEN
Recommended:	Plotted By: BD
Approved:	Checked By: JAC

**MERMENTAU RIVER
LOWER RIVER
MM_11_LWR_20170822_CS
22 August 2017**

**Sheet
Reference
Number
11 of 25**