



LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -9' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	□ -9' and below
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	

Gage Reading: 733:4.2 PERRY:2.8 MLG
 Sea Conditions: CALM
 Vessel Name: M/V OB189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

Vertical 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.

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.

Datum Relationships for gage 07386980 as of August 2014:
 0.0' NAVD83 (OPUS 2014) = 1.96' MLG

Distances on the Vermilion River are shown at 1 mile intervals.

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

2010 Aerial Photography data source: NAIP. Transparent green imagery from 1998 DOQQ.

Reference is N.O.A. Navigation Chart No. 11350.

** 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 data are not warranted for any purpose other than that for which they were originally collected, expressed, or implied concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the recipient. The user is responsible for the results of any use of these data. The recipient shall not be held liable for any damage or loss, whether direct or indirect, resulting from the use of these data. The recipient shall not be held liable for any damage or loss, whether direct or indirect, resulting from the use of these data. The recipient shall not be held liable for any damage or loss, whether direct or indirect, resulting from the use of these data.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: RYLAND/HOSHMAN
Recommended: Chart, Survey Section	Plotted By: AO
Approved: Chart, Waterways Maintenance Section	Checked By: AO

**VERMILION RIVER
 ABBEVILLE TO MILTON
 VM_32_UPR_20190807_CS
 07 August 2019**

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