



**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: H733:6.3 P:2.9 USED:3.2 MLG  
 Sea Conditions: CALM  
 Vessel Name: M/V OB 189  
 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.

Vertical Datum:  
 Soundings are shown in feet and indicate depths below Mean Low Gulf Datum (MLG).  
 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 collected. The user is responsible for the results of any use of the data for other than the intended purpose.  
 Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrological conditions which develop after the date of the survey. The user is responsible for the results of any use of the data for other than the intended purpose.  
 The information depicted on this map represents the results of a survey conducted on the date shown. It is not intended to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: DR.SP
Recommended: Chief, Survey Section	Plotted By: BTJ
Approved:	Checked By: TAF

**VERMILION RIVER  
 ABBEVILLE  
 VM\_28\_ABV\_20150415  
 15 April 2015**

**Sheet  
 Reference  
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Revision Number:  
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