



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	

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).
Datum Relationships for gage 07386940 as of August 2014:
0.0' NAVD88 (OPUS 2014) = 1.94' 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.

Gage Reading: SUR:8.3 733:6.7 USED:6.7 MLG
Sea Conditions: CALM
Vessel Name: M/V OB 189
Survey Type: CONDITION
Sounding Frequency***: HIGH

0 400 800 1,200 Feet



DISCLAIMER

Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were originally collected, and that the data are not to be used for any purpose other than that for which they were originally collected, and that the data are not to be used for any purpose other than that for which they were originally collected.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any use of the data for other than its 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 US Army Corps of Engineers accepts no responsibility for changes in the 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 its intended purpose. Prudent mariners should not rely solely upon it.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: DR, SP
Recommended: Chief, Survey Section	Plotted By: ATO
Approved: Chief, Waterways Maintenance Section	Checked By: TAF

**VERMILION RIVER
MILTON TO LAFAYETTE
VM_39_UPR_20150417
17 April 2015**

**Sheet
Reference
Number
39 of 49**