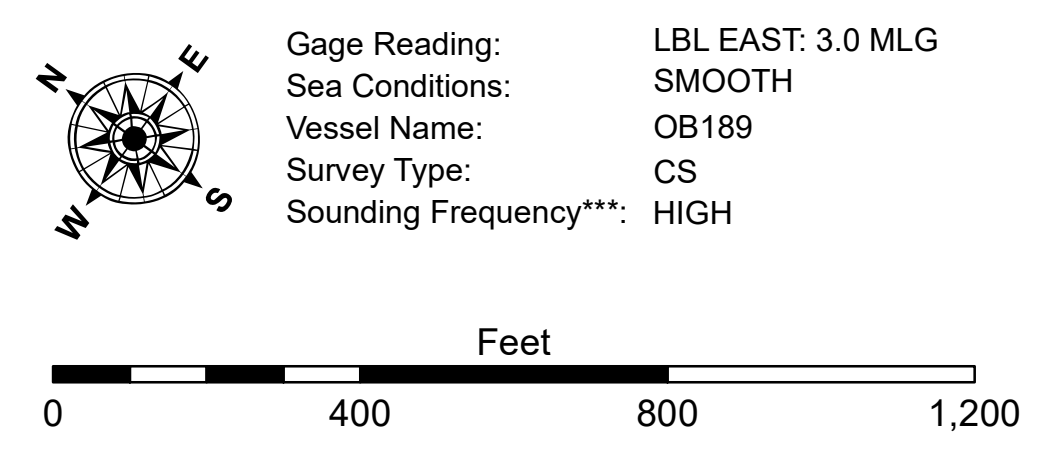


LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -8' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	□ -8' 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 76720 as of August 2014:
 0.0' NAVD83 (OPUS 2014) = 2.08' 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.
 2017 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 Constants: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, dredging operations, channel migration, and changes in the hydrographical 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 or about the date indicated. It is considered to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: DJS/SR
Recommended: Chief, Survey Section	Plotted By: AC
Approved:	Checked By: AC

VERMILION RIVER
3 MILE CUT
VM_17_3MC_20190626_CS
26 June 2019

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