



LEGEND

--- Federal Navigation Channel

— Federal Navigation Center Line

— As-built Pipeline/Cable

..... Unconfirmed Pipeline/Cable

— Project Depth Contour

○ Cable Area

▭ Placement Area

▭ Anchorage Area

⊗ Obstruction Point

✈ Wrecks-Submerged

▭ Borrow Area

● Shoalest Sounding**

★ Beacon, General

◆ Red Navigation Buoy

◆ Green Navigation Buoy

■ -9' and above

□ -9' and below

Gage Reading: VRN: 8.36 MLG

Sea Conditions: CALM

Vessel Name: OB169

Survey Type: MB_LIDAR

Sounding Frequency***: 400KHZ

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 07368680 as of August 2014:
0.0' NAVD88 (OPUS 2014) = 1.93' 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.

2021 Aerial Photography data source: NAIP

Reference is N.O.A.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.

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

VERMILION RIVER

LAFAYETTE

VM_43_LAF_20250403_CS_1X1

03 April 2025

Sheet
Reference
Number

43 of 49

Revision Number:
5.25.04.03-5.25.04.03

US Army Corps of Engineers
District: CEMVN

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