



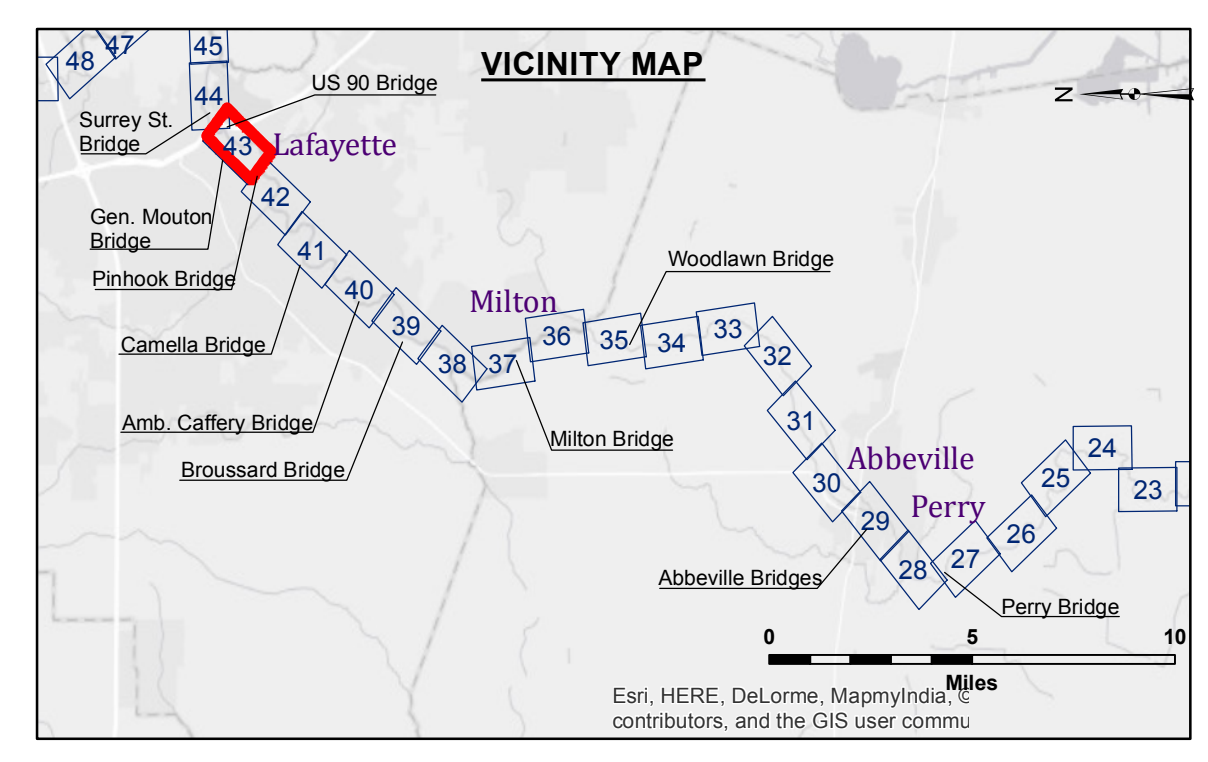
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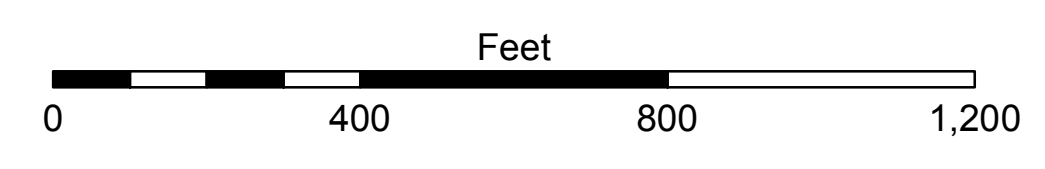
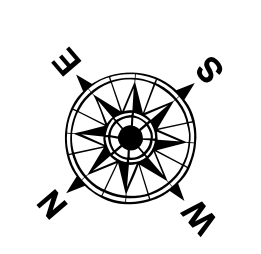
Data Constraints: Hydrographic survey data is subject to change due to several factors including but not limited to changing hydrographic conditions, changes in bathymetry, and other factors. The user is responsible for the results of the hydrographic conditions which develop after the date of the survey. The user is responsible for the results of the hydrographic conditions which develop after the date of the survey. The user is responsible for the results of the hydrographic conditions which develop after the date of the survey.

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

**VERMILION RIVER
LAFAYETTE**
VM_43_LAF_20170519_CS
19 May 2017



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: SURREY STREET: 6.46 MLG
Sea Conditions: CALM
Vessel Name: VESSEL_NAME
Survey Type: CONDITION
Sounding Frequency***: HIGH

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 07386880 as of August 2014: 0.0' NAVD83 (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.
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.

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