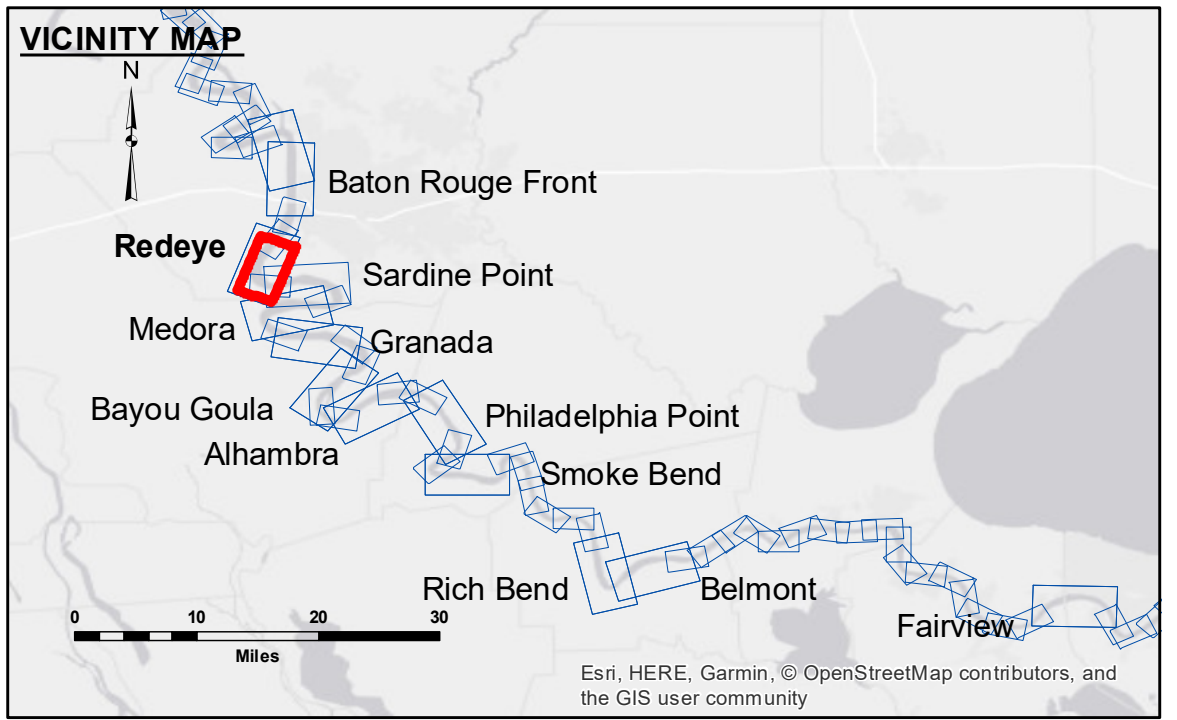
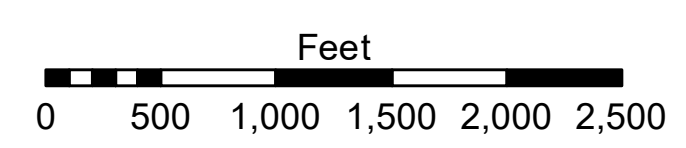
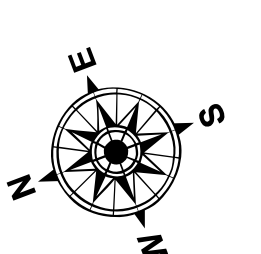


DIKE NO.	CONSTRUCTED DIKE ELEVATION
1	-5 NGVD
2	OR -7.6 LWRP -5 NGVD
3	OR -7.6 LWRP 0 NGVD
4	OR -2.6 LWRP 0 NGVD
5	OR -2.6 LWRP 0 NGVD
6	OR -2.6 LWRP 0 NGVD



**LEGEND**

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ 0' and above
— Federal Navigation Center Line	▭ Placement Area	● Shoalest Sounding**	■ 0' to -5'
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General	■ -5' to -10'
⋯ Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -10' to -20'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -20' to -30'
			■ -30' to -35'
			■ -35' to -40'
			■ -40' to 45'
			■ -45' and below



LWRP: 2.6  
 Gage Reading: BR:31.2D:21.0 USED:30.4 NGVD  
 Sea Conditions: 1'  
 Vessel Name: LAFORUCHE  
 Survey Type: CS  
 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 Low Water Reference Plane 2007 (NGVD).

Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.

The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE crew.

2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is N.O.A. Navigation Chart No. 11370.

\*\* 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 Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The recipient shall be responsible for the accuracy, completeness, reliability, usability or suitability of the data for any use other than that intended by the Government. The recipient may not transfer these data to others without obtaining the permission of the U.S. Army Corps of Engineers. The information depicted on this map represents the results of a survey conducted on or about the date of the survey. The Corps of Engineers does not warrant the accuracy of the information depicted on this map. The Corps of Engineers is not responsible for any damage or injury resulting from the use of this map. The Corps of Engineers is not responsible for any damage or injury resulting from the use of this map.

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

**MISSISSIPPI RIVER - B.R. TO GULF  
 REDEYE CROSSING  
 MR\_04\_RED\_20181126\_CS  
 26 November 2018**

**Sheet Reference Number  
 4 of 97**

Revision Number:  
 3.13-20160811