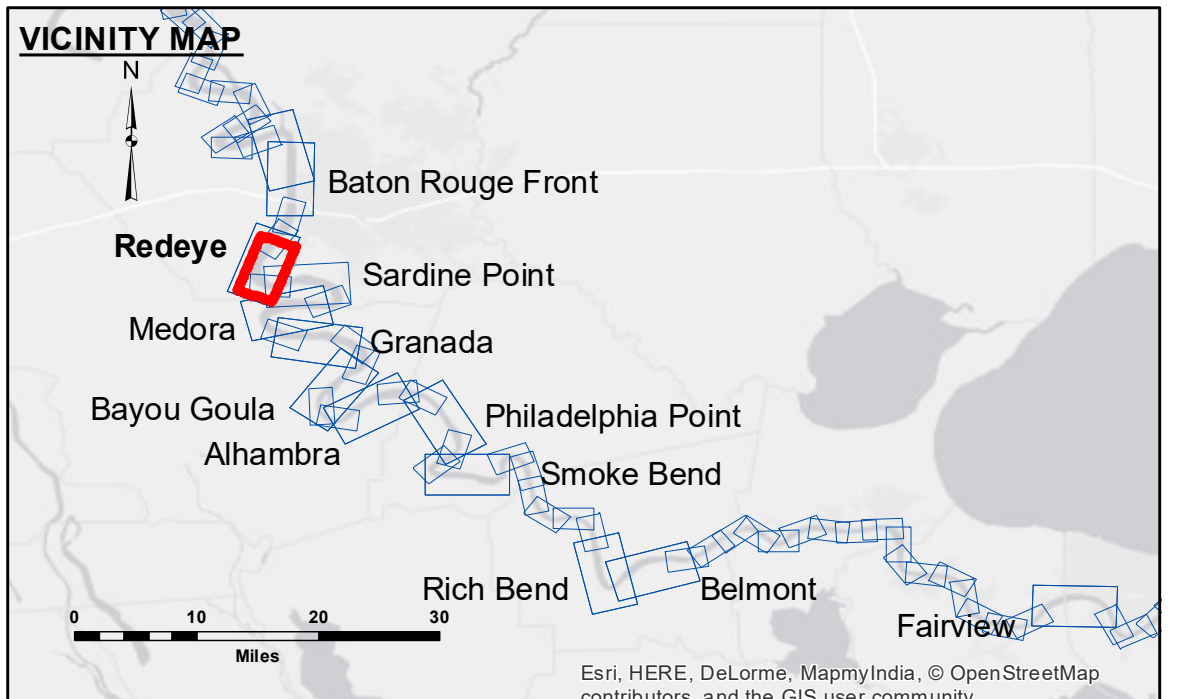
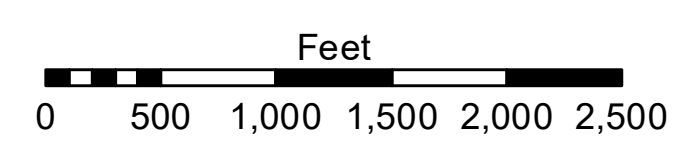
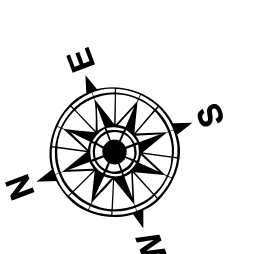


DIKE NO.	CONSTRUCTED DIKE ELEVATION
1	-5 NGVD
2	OR -7.6 LWRP
3	-5 NGVD
4	OR -2.6 LWRP
5	0 NGVD
6	OR -2.6 LWRP
7	0 NGVD
8	OR -2.6 LWRP



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



LWRP: 2.6
 Gage Reading: BR:13.95D:7.80 USED: 13.4 NGVD
 Sea Conditions: LIGHT CHOP
 Vessel Name: OB-189
 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 based 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.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 bathymeter settings.



DISTRIBUTION LIABILITY: The data represents the results of data collection for a specific US Army Corps of Engineers project. It is not intended for use in any other project or for any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data for their intended use. The US Army Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data for any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data for their intended use. The US Army Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data for any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data for their intended use.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By:	DS/DK
Recommended:	Plotted By:	MS
Approved:	Checked By:	MS

**MISSISSIPPI RIVER - B.R. TO GULF
 REDEYE CROSSING
 MR_04_RED_20180731_CS
 31 July 2018**

**Sheet Reference Number
 4 of 97**