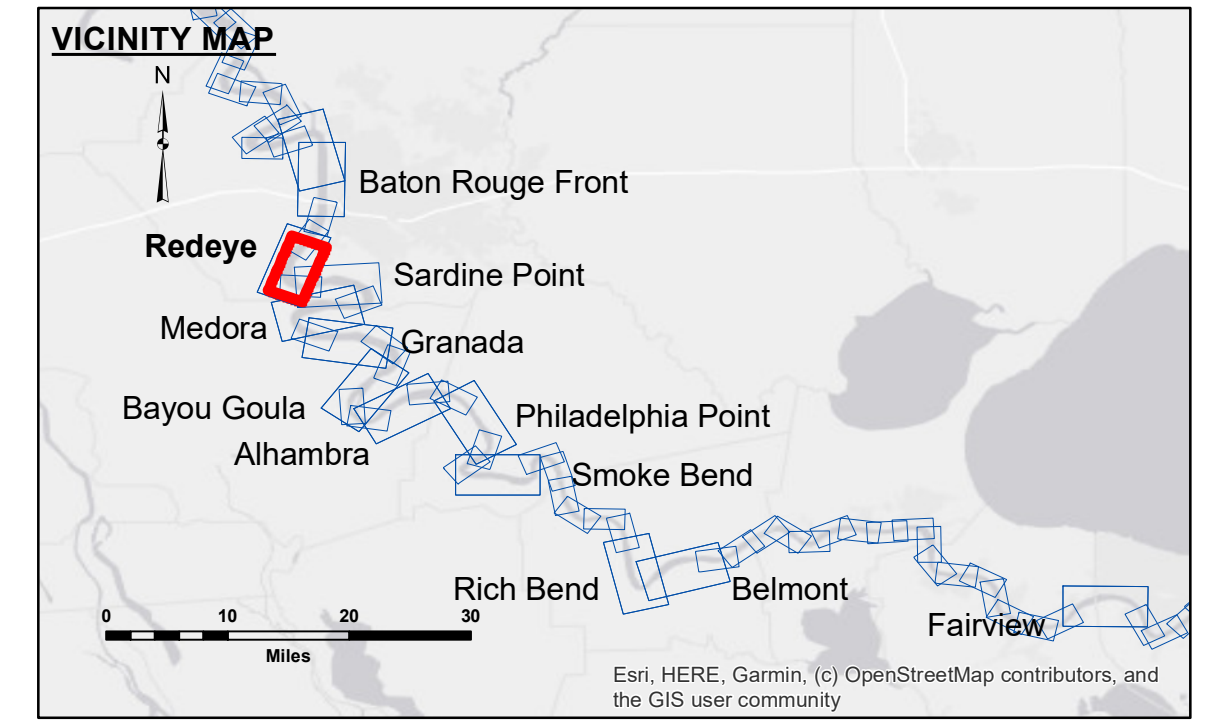


DIKE NO.	CONSTRUCTED DIKE ELEVATION
1	-5 NGVD OR -7.6 LWRP
2	-5 NGVD OR -7.6 LWRP
3	0 NGVD OR -2.6 LWRP
4	0 NGVD OR -2.6 LWRP
5	0 NGVD OR -2.6 LWRP
6	0 NGVD OR -2.6 LWRP



**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

**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 (NAVD).

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.

LWRP: 2.4  
Gage Reading: BR:11.4D:6.6 USED:11.0 NGVD  
Sea Conditions: SMOOTH  
Vessel Name: OB189  
Survey Type: CS  
Sounding Frequency\*\*\*: HIGH

0 500 1,000 1,500 2,000 2,500 Feet



**Distribution Liability:** The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of the application of the data for other than its intended purpose.

**Data Accuracy:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing bathymetry, sedimentation, and other factors. The user is responsible for the accuracy of the data used in the project. The US Army Corps of Engineers does not accept responsibility for changes in the hydrographic conditions when developed after the date of the survey. The user is responsible for the accuracy of the data used in the project. The user is responsible for the accuracy of the data used in the project.

Submitted:	Surveyed By: D.S./J.D.H.
Recommended:	Plotted By: A.O.
Approved:	Checked By: A.O.

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF  
REDEYE CROSSING  
MD\_04\_RED\_20201005\_CS  
05 October 2020**

**Sheet Reference Number  
4 of 97**