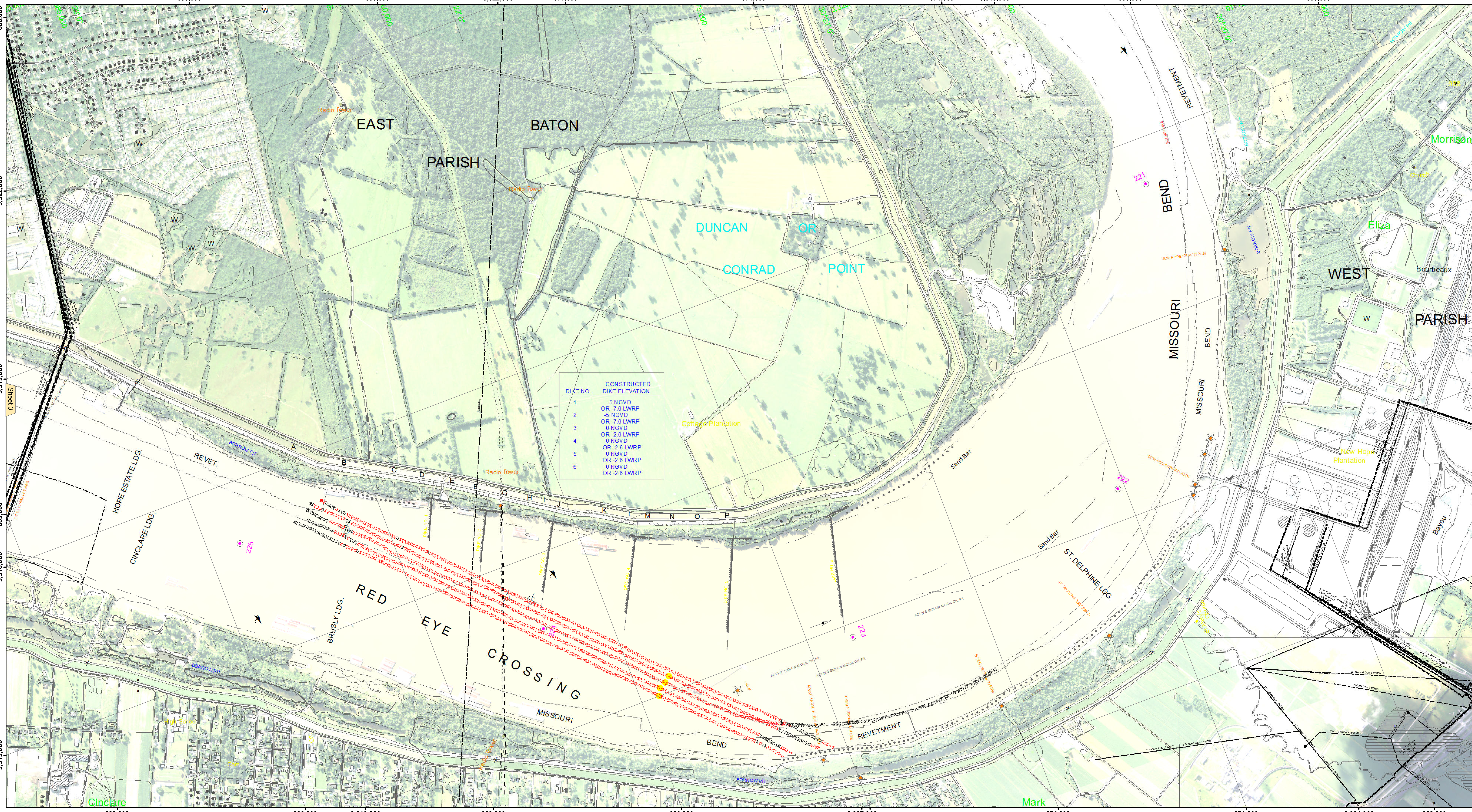
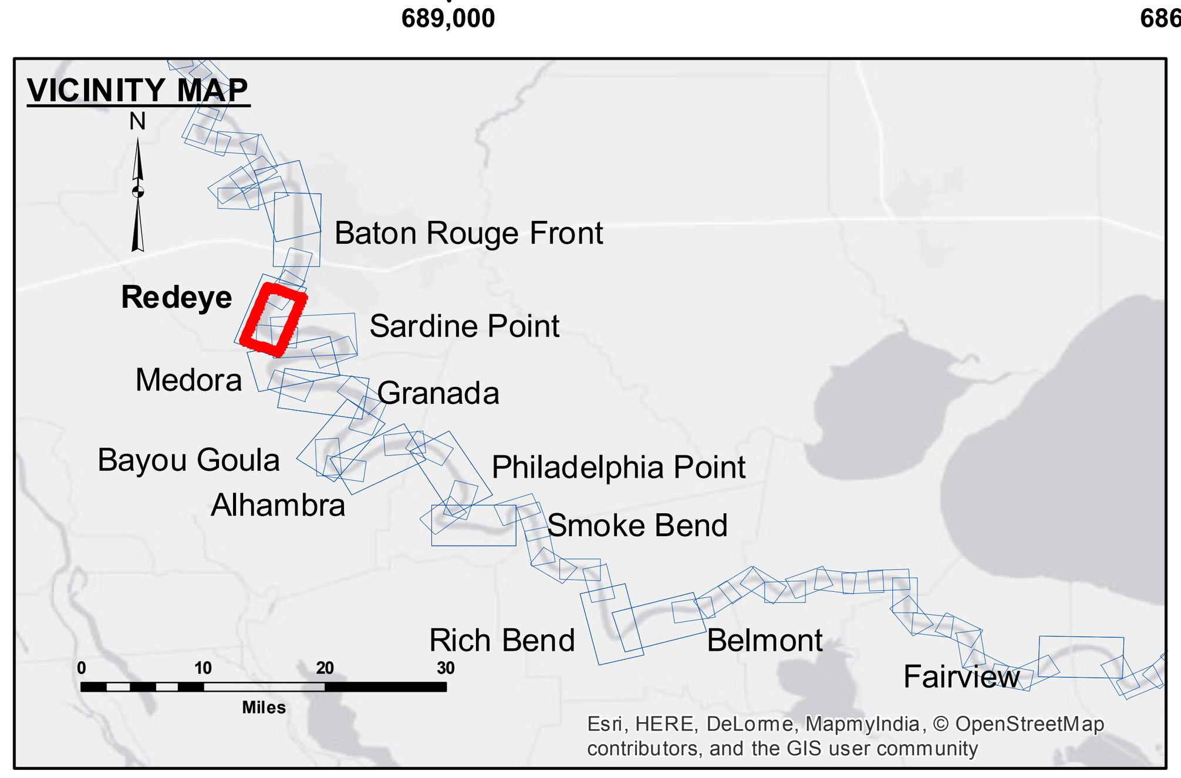
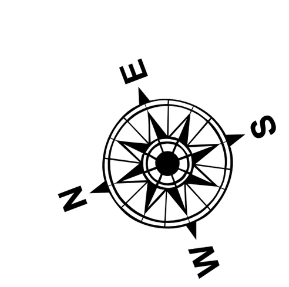




LEGEND

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



LWRP:	2.6
Gage Reading:	BR:26.1D:17.1 USED: 25.4 NGVD
Sea Conditions:	LIGHT CHOP
Vessel Name:	OB189
Survey Type:	CONDITION
Sounding Frequency***:	HIGH

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

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.

2010 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 fathometer settings.

US Army Corps of Engineers
District: CEMVN

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Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activity and shoaling and scouring processes. The U.S. Army Corps of Engineers assumes no responsibility for changes in the hydrographic conditions which develop after the date of publication. This data is intended for U.S. Army Corps of Engineers' internal use. Prudent mariners should not rely solely upon it.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Surveyed By:	DS/DR
Plotted By:	AO
Checked By:	AO
Submitted:	Chief, Survey Section
Recommended:	Chief, Waterways Maintenance Section
Approved:	

MISSISSIPPI RIVER - B.R. TO GULF
REDEYE CROSSING
MR_04_RED_20170706_CS
06 July 2017

Sheet Reference Number
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