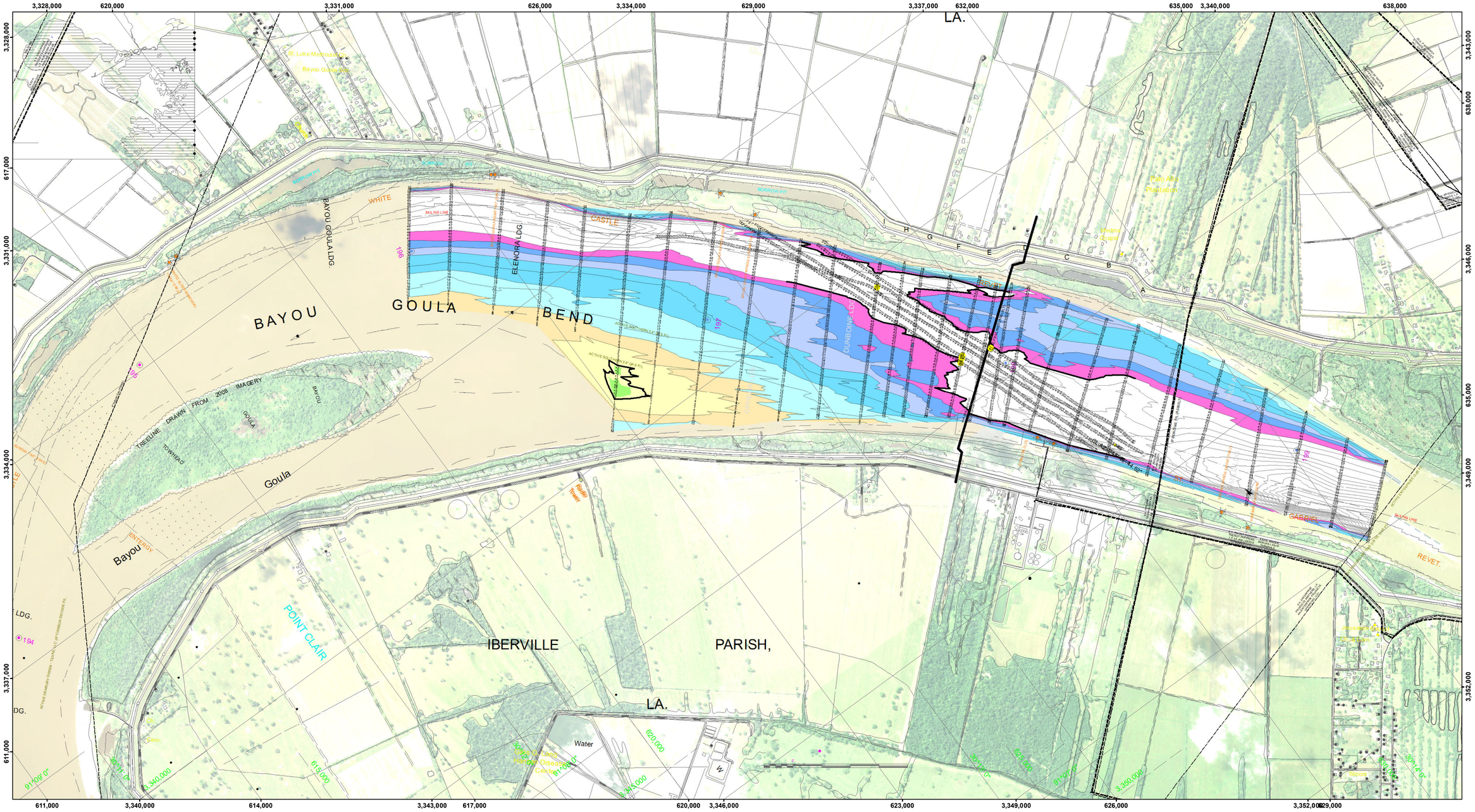

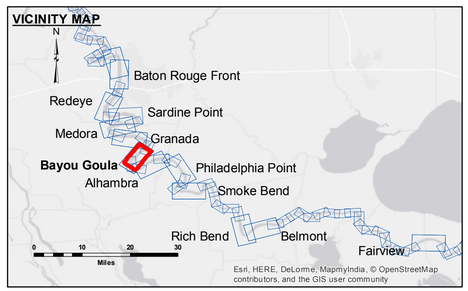

LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Borrow Area
- Shoalest Sounding**
- Beacon, General
- Red Navigation Buoy
- 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:	1.8
Gage Reading:	BR:17.0 D:9.75 USED:12.90 NGVD
Sea Conditions:	CALM
Vessel Name:	OB-189
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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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.

Distribution Liability: The data represents the results of data collected by the U.S. Army Corps of Engineers for its own navigation activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy of the data. The U.S. Government assumes no liability for any of any of the application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change due to natural shoaling and scouring processes. The U.S. Army Corps of Engineers accepts no responsibility for changes in the survey data that occur between the time of survey and publication. This data is intended for U.S. Army Corps of Engineers' internal use. Product improvement should be directed to sdv@usace.army.mil.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

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

MISSISSIPPI RIVER - B.R. TO GULF
BAYOU GOULA CROSSING
MD_13_GOU_20160928
28 September 2016

Sheet Reference Number
13 of 97

Revison Number:
3.8.0-20150202