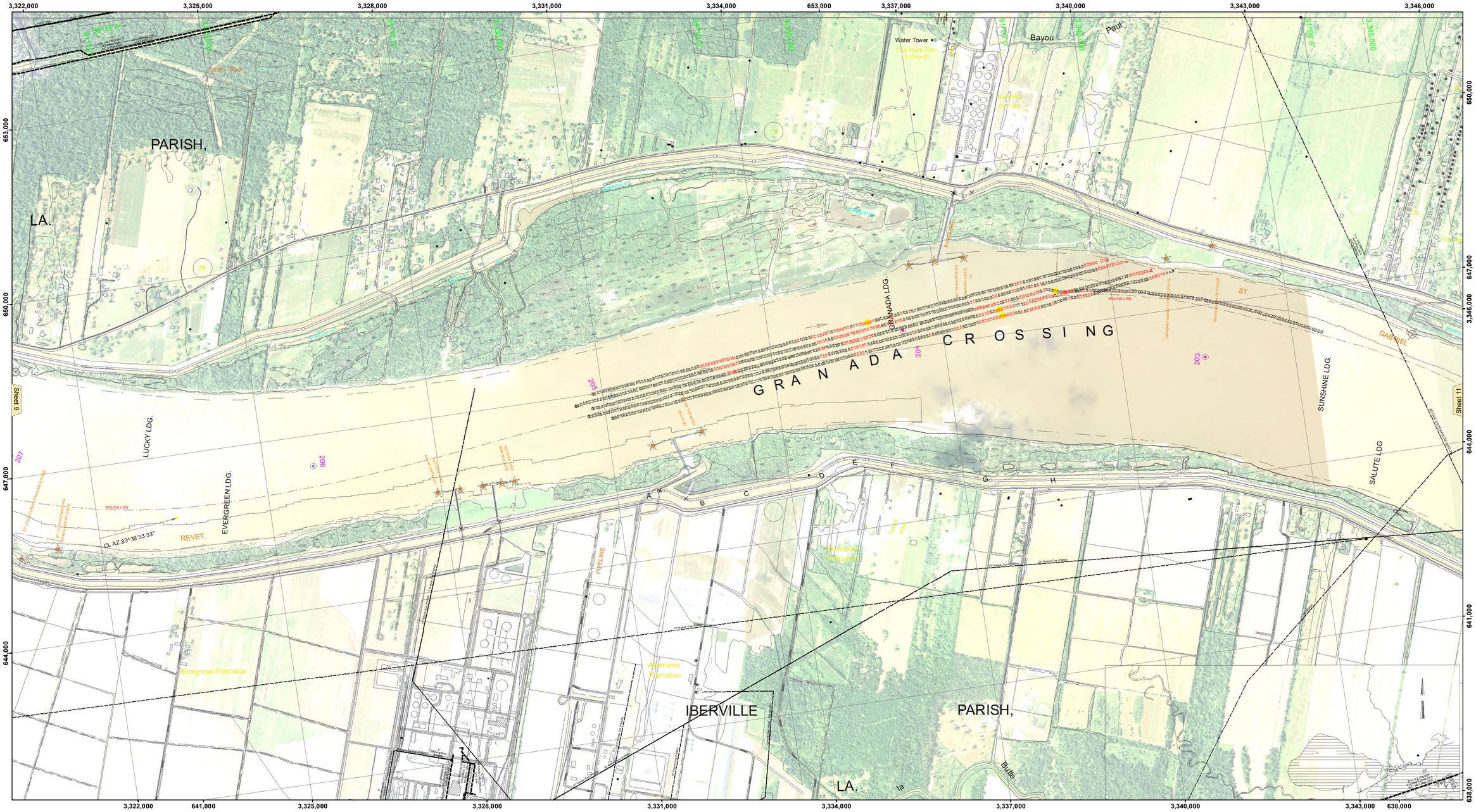

US Army Corps of Engineers
District: CEMVN

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

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Data Constraints: Hydrographic survey data is subject to change due to environmental factors such as storms and ongoing dredging activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the environment that occurred after the date of the survey publication. This data is intended for U. S. Army Corps of Engineers' internal use. Private business should not rely solely upon it.

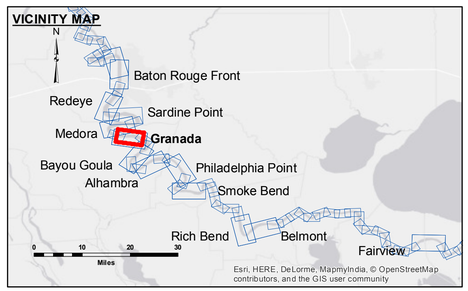
U.S. ARMY CORPRS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: DR, PS	
	Plotted By: BTD	
Recommended: Chief, Survey Section	Checked By: BTD	
Approved: Chief, Waterways Maintenance Section		

MISSISSIPPI RIVER - B.R. TO GULF
GRANADA RECON
MR_10_GRA_20160304
04 March 2016

Sheet Reference Number
10 of 97

Revison Number:
3.8.0-20150202



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

N W E S

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

LWRP:	1.9
Gage Reading:	BR:29.5 D:20.35 USED:25.30 NGVD
Sea Conditions:	CALM
Vessel Name:	OB-189
Survey Type:	CONDITION
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.

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.