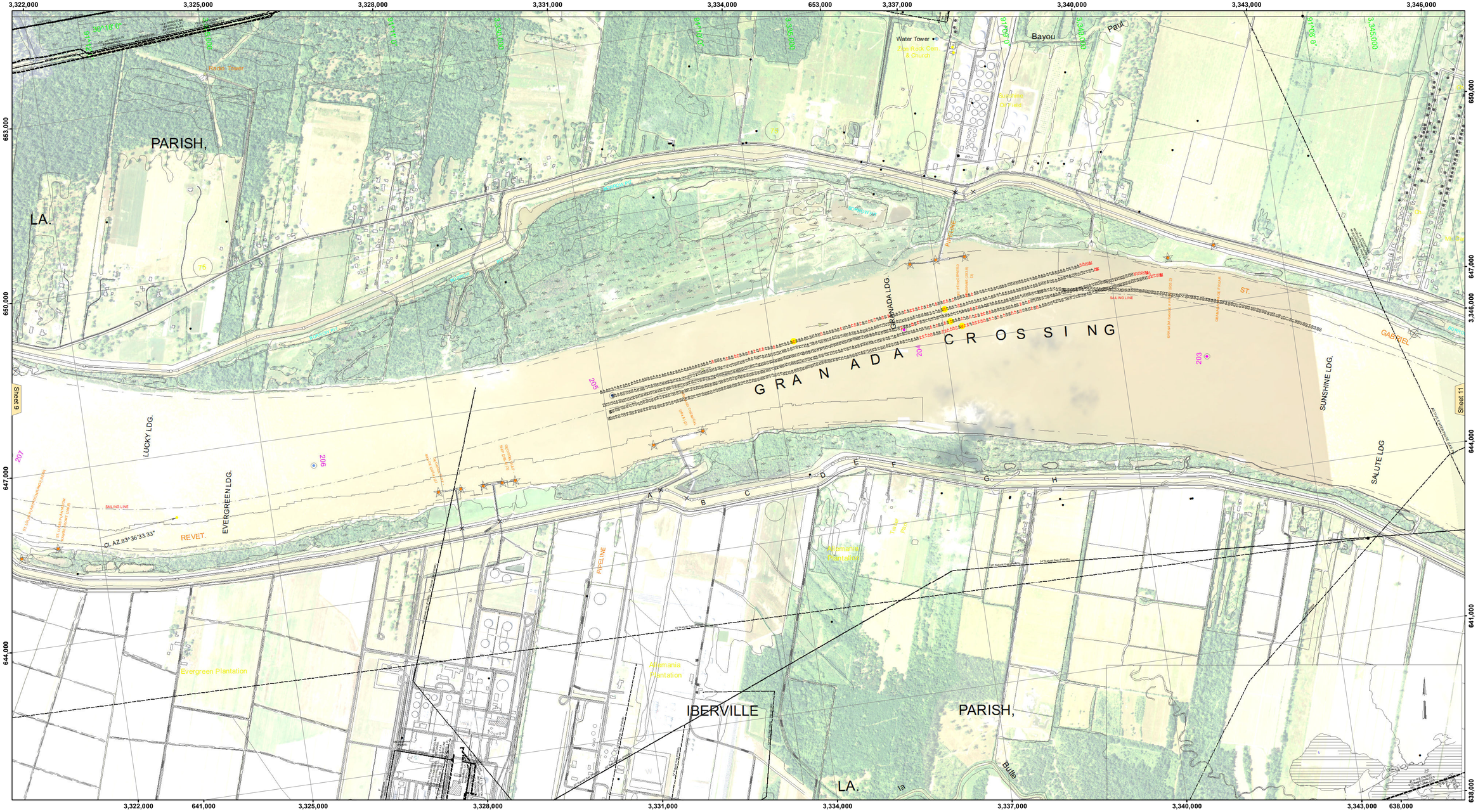

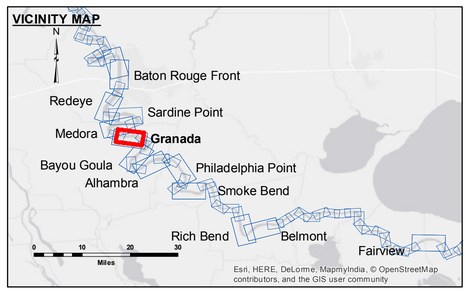

LEGEND

- 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 18.8D:11.3 USED:15.4 NGVD
Sea Conditions:	CALM
Vessel Name:	LAFOURCHE
Survey Type:	RECON
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.

US Army Corps of Engineers
District: CEMVN

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Access Constraints: The United States Government furnishes these data and has no responsibility or liability for the quality, content, or accuracy of the data furnished, nor for the purpose to which the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any loss, damage, injury or expense resulting from the furnishing of these data or any use of the data furnished. The recipient fully agrees not to represent these data to anyone as other than the best available data. The recipient agrees to indemnify the United States for any third party claims against the United States arising out of the furnishing of these data to others without also transferring this Disclaimer.

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

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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 condition of the waterway subsequent to the date of publication. This data is intended for U. S. Army Corps of Engineers internal use. Private business should contact a qualified source.

U.S. ARMY CORPRS OF ENGINEERS
NEW ORLEANS DISTRICT

Surveyed By: DS/PS
Plotted By: AO
Checked By: AO

Submitted: _____
Recommended: _____ Chief, Survey Section
Approved: _____ Chief, Waterways Maintenance Section

MISSISSIPPI RIVER - B.R. TO GULF
GRANADA RECON
MR_10_GRA_20170117
17 January 2017

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