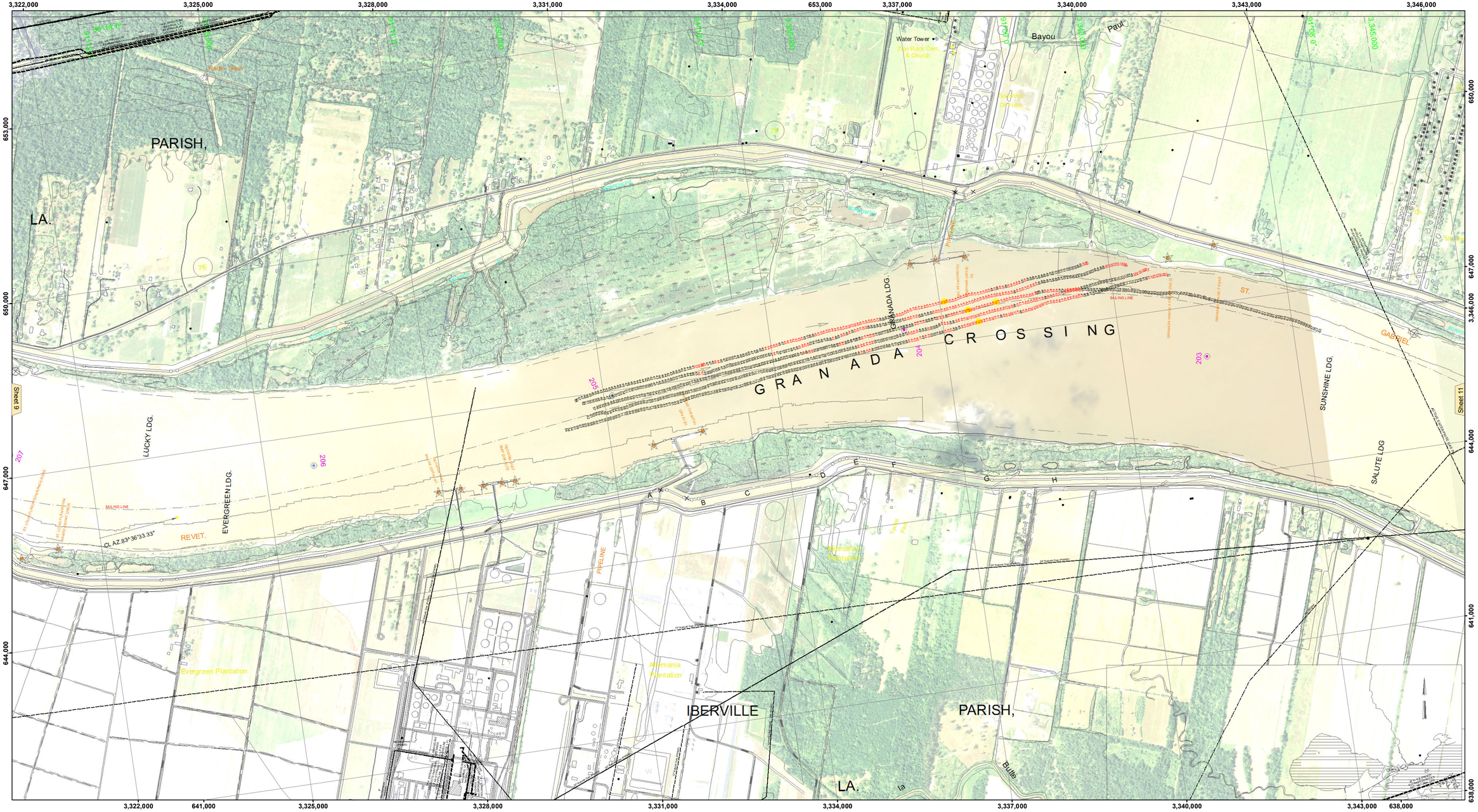

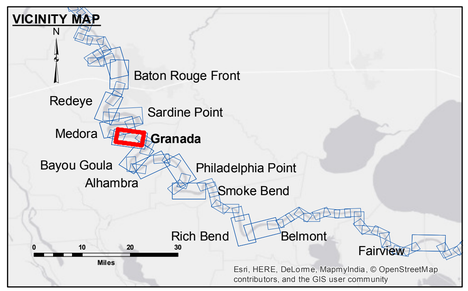

LEGEND

- 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:24.1D:15.6 USED:20.20 NGVD
Sea Conditions:	CALM
Vessel Name:	M/V BURRWOOD
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.

US Army Corps of Engineers
District: CEMVN

DISCLAIMER
Access Constraints: The United States Government furnishes these data and has no responsibility or liability for the quality, content, or use of these data except as expressly set forth in a written agreement with the express consent of the U.S. Army Corps of Engineers. No warranty is expressed or implied concerning the accuracy, completeness, reliability, or suitability of these data for any purpose. Any use of 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 use of the information and the data furnished. The recipient fully agrees not to represent these data to anyone as other than the best available data of the U.S. Army Corps of Engineers and to redistribute 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 representing the general condition existing at that time.

Distribution Liability: The data represents the results of data collection and analysis performed by the U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, context, time and accuracy as determined by the activity. Distribution of the data or 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 hydrographic survey data after the date of the survey publication. This data is intended for U. S. Army Corps of Engineers' internal use. Product improvement should be directed to the activity.

U.S. ARMY CORPRS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: RY LAND/ADAMS
Recommended: Chief, Survey Section	Plotted By: AO
Approved: Chief Waterways Maintenance Section	Checked By: AO

MISSISSIPPI RIVER - B.R. TO GULF
GRANADA RECON
MR_10_GRA_20170719_CS
19 July 2017

Sheet Reference Number
10 of 97

Revison Number:
312-20160811