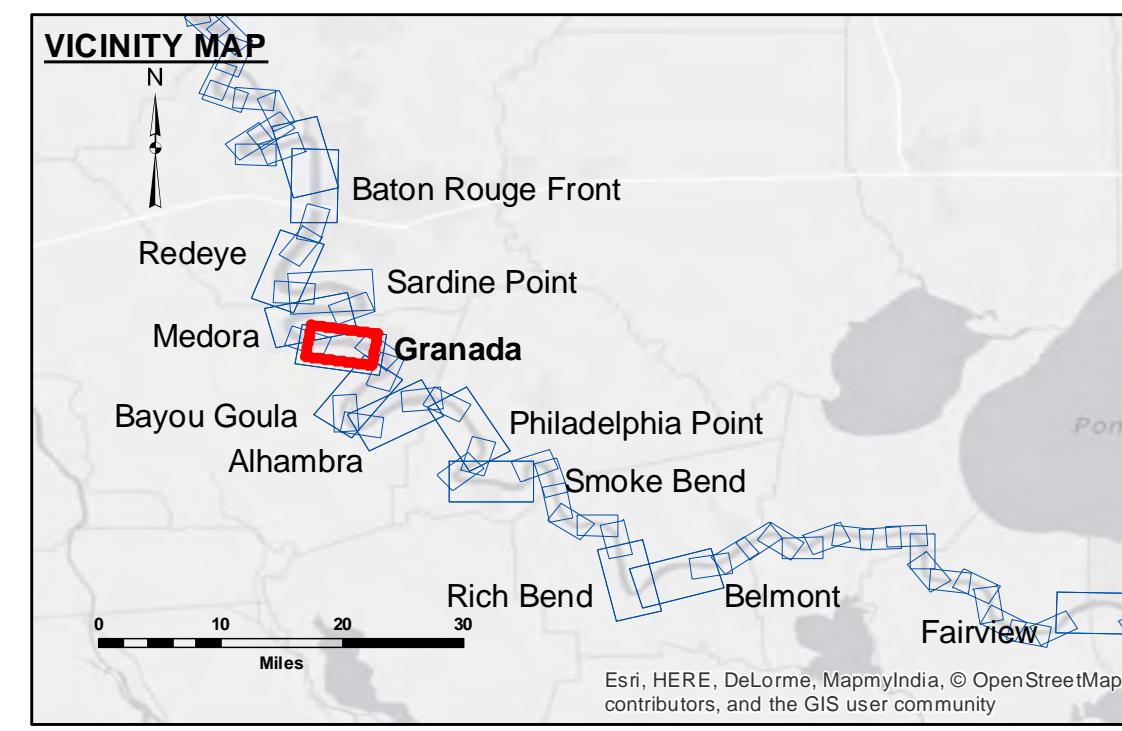


**Distribution Liability:** The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, the user assumes responsibility for the use and accuracy of any of the data or information. The user is responsible for the results of any application of the data for other than its intended purpose.

**Data Constraints:** Hydrographic survey data is subject to change due to several factors including but not limited to dredging activities, natural shoaling and scouring processes, changes in the hydrographical conditions which develop after the date of publication. This data is intended for U.S. Army Corps of Engineers internal use only and shall not be sold or distributed outside the U.S. Army Corps of Engineers.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Surveyed By:	SPS
Submitted:	
Plotted By:	ACO
Recommended:	One Survey Section
Approved:	One Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF**  
**GRANADA CROSSING**  
**MD\_10\_GRA\_20150823**  
**23 August 2015**



#### 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
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◆ Green Navigation Buoy
- Wrecks-Submerged

- |                |
|----------------|
| 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: 1.9  
Gage Reading: BR:19.0D:11.5 USED:16.7 NGVD  
Sea Conditions: CALM  
Vessel Name: MV LAFOURCHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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-AFPO Aerial Photography Field Office.

Reference is N.O.A.A. Navigation Chart No. 11370.

\*\* Shoal 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.

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.

Revision Number: 3.8.0-20150202

**Sheet  
Reference  
Number**  
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