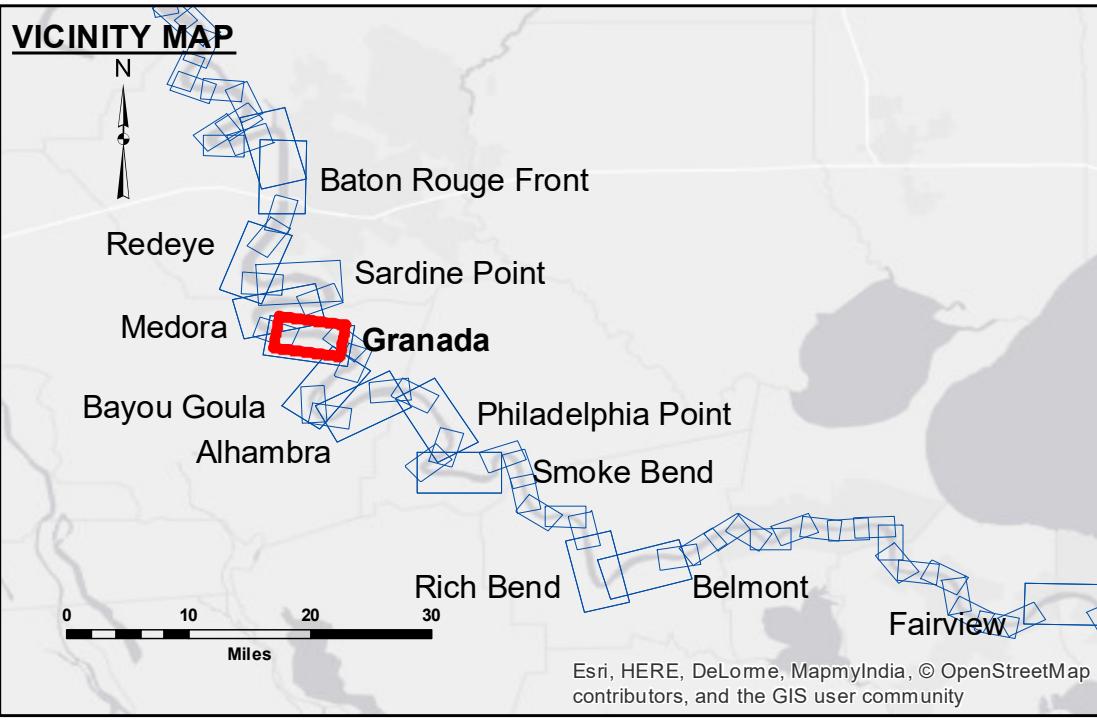


**MISSISSIPPI RIVER - B.R. TO GULF  
GRANADA RECON  
MR\_10\_GRA\_20180409\_CS  
09 April 2018**

**Sheet  
Reference  
Number  
10 of 97**

Revision Number:  
3.12-20160811



<b>LEGEND</b>	
— Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	★ Beacon, General
— Project Depth Contour	✖ Obstruction Point
	◆ Red Navigation Buoy
	◆ Green Navigation Buoy
	◆ Wrecks-Submerged
	◆ Borrow Area
	◆ Shoalest Sounding**

**LWRP:**  
Gage Reading: 1.9  
BR:36.53 D:26.16 USED:31.8 NGVD  
**Vertical Datum:**  
Sea Conditions: CALM  
Vessel Name: MV LAFOURCHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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

W  
N  
E  
S

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.



Distribution Liability: The data represents the results of data collection/processing for a specific Corps of Engineers activity and indicates the general existing conditions. As such, the data and the results do not represent the exact survey or other information as it exists at any particular time or place. The United States shall not be liable for the results or any application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging and filling operations, shoaling and scouring processes, changes in the hydrographic conditions over time, and development of the waterway.

This information depicts the results of a survey conducted under contract to the U.S. Army Corps of Engineers. The data is intended for U.S. Army Corps of Engineers internal purposes. This data is not to be considered survey data of a survey conducted on the date indicated and can only be considered survey data between the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Surveyed By:	DSOs
Submitted:	
Recommended:	One Survey Section
Approved:	One Waterways Maintenance Section
Checked By:	AO

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