

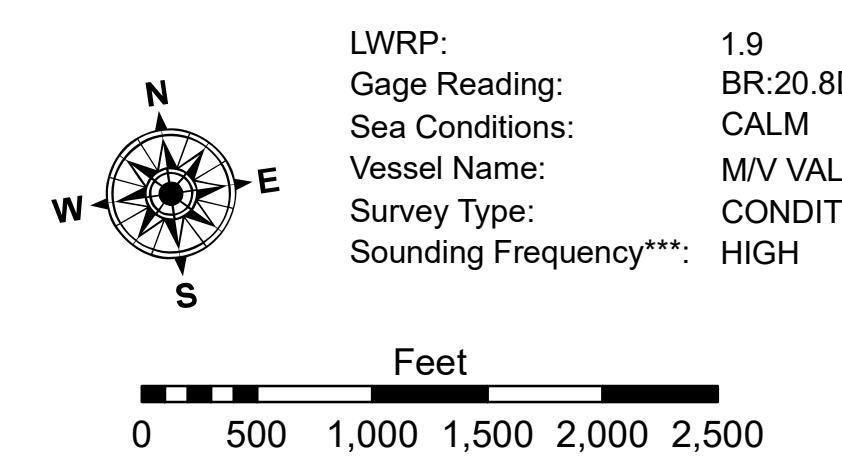
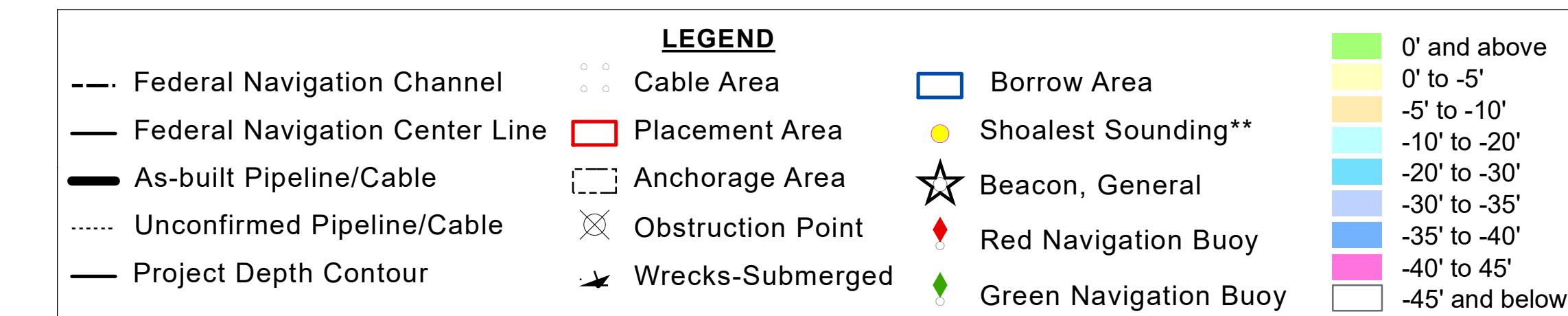
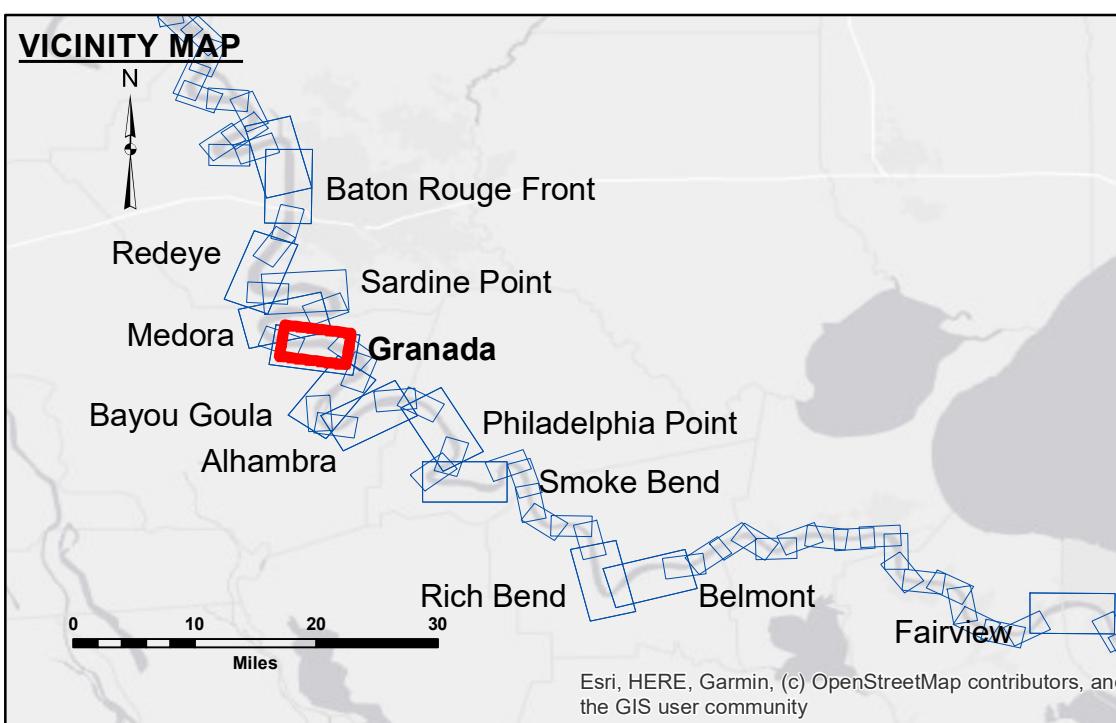
US Army Corps  
of Engineers  
District: CEMVN

**DISCLAIMER**  
Accurate Coordinates: The United States Government furnishes the data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed or implied, regarding the accuracy, reliability or usefulness of such data. The user assumes responsibility for the results obtained from its use. The United States is not responsible for any portion of the data furnished. The United States shall be under no liability whatsoever to any person who uses or refers to the data furnished. Any person who uses or refers to the data furnished does so at his own risk and is responsible for any damages resulting from such use.

Data Constraints: Hydrographic survey data is subject to change rapidly due to severe factors including but not limited to dredging, rapid subsidence, land movement, and changes in the hydrographical conditions which occur after the date of publication. This data is intended for U.S. Army Corps of Engineers internal use. Plaintiff's attorneys should not rely solely upon this information to represent the general condition existing at the time.

U.S. ARMY CORPS OF ENGINEERS	
NEW ORLEANS DISTRICT	
Surveyed By:	RYLAND ADAMS
Submitted:	
Printed By:	ACO
Recommended:	Chief Survey Section
Approved:	Chief Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF**  
**GRANADA CROSSING**  
**MD\_10\_GRA\_20191024\_CS**  
**24 October 2019**

**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 (NAVD). 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.  
2015 Aerial Photography data source: NAIP, USDA-FSA-AFPO 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.

**Sheet  
Reference  
Number**

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