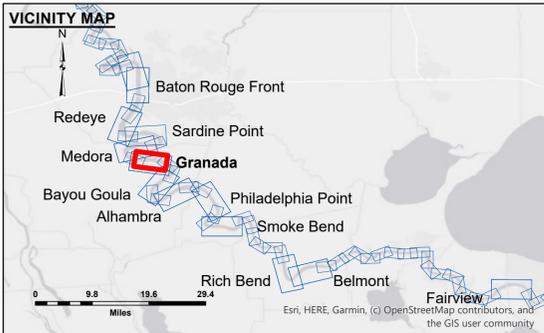


DISCLAIMER: The data represented by the symbols of this map were collected for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, the user is responsible for the results of any application of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose.

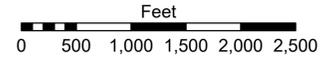
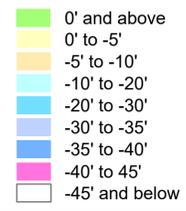
DISCLAIMER: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were originally prepared, expressed, or implied concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the recipient. The recipient may not transfer these data to any other person or entity without the express written consent of the United States Government. The recipient may not transfer these data to any other person or entity without the express written consent of the United States Government. The recipient may not transfer these data to any other person or entity without the express written consent of the United States Government.

| | |
|------------------------------------------------------|--------------------------------|
| U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT | |
| Submitted: | Surveyed By: RYLAND/SIMMONS |
| Recommended: | Project By: BD |
| Approved: | Checked By: AO/JH |
| Other: Waterways Maintenance Section | |

**MISSISSIPPI RIVER - B. R. TO GULF
GRANADA CROSSING
MD_10_GRA_20250327_CS
27 March 2025**



| LEGEND | |
|----------------------------------|-------------------------|
| --- Federal Navigation Channel | ● Cable Area |
| — Federal Navigation Center Line | ■ Placement Area |
| — As-built Pipeline/Cable | □ Anchorage Area |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point |
| — Project Depth Contour | ✈ Wrecks-Submerged |
| □ Borrow Area | ★ Beacon, General |
| ● Shoalest Sounding** | ◆ Red Navigation Buoy |
| ★ Beacon, General | ◆ Green Navigation Buoy |



LWRP: 1.9
Gage Reading: BR:25.0 D:15.9 USED:21.00 NAVD
Sea Conditions: CALM
Vessel Name: M/V LAFORUCHE
Survey Type: CS
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 (NAVD).
Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.
The location of navigation aids are based on and provided by the U.S. Coast Guard and USACE crew.
2021 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.

**Sheet
Reference
Number
10 of 97**