



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

LWRP: 1.9
 Gage Reading: BR:13.0 D:7.0 USED:10.2 NAVD
 Sea Conditions: CALM
 Vessel Name: M/V VALENTOUR
 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 (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.
 2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.
 Reference is N.O.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.



DISCLAIMER:
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any purpose other than that for which they were prepared, and that the user is responsible for the results. The user is responsible for the results. The user is responsible for the results. The user is responsible for the results.
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, context, time and accuracy specifications. The user is responsible for the results. The user is responsible for the results. The user is responsible for the results.
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, channel changes, and other factors. The user is responsible for the results. The user is responsible for the results. The user is responsible for the results.
 The information depicted on this map represents the results of a survey conducted on or about the date indicated. It is not intended to represent the general condition existing at that time.

Submitted:	Surveyed By:	Plotted By:	Checked By:
Recommended:	DS/JA	BD	AC
Approved:	Chief, Survey Section	Chief, Waterways Maintenance Section	

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF
 GRANADA CROSSING
 MD_10_GRAX_20211109_AD
 09 November 2021**

**Sheet Reference Number
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