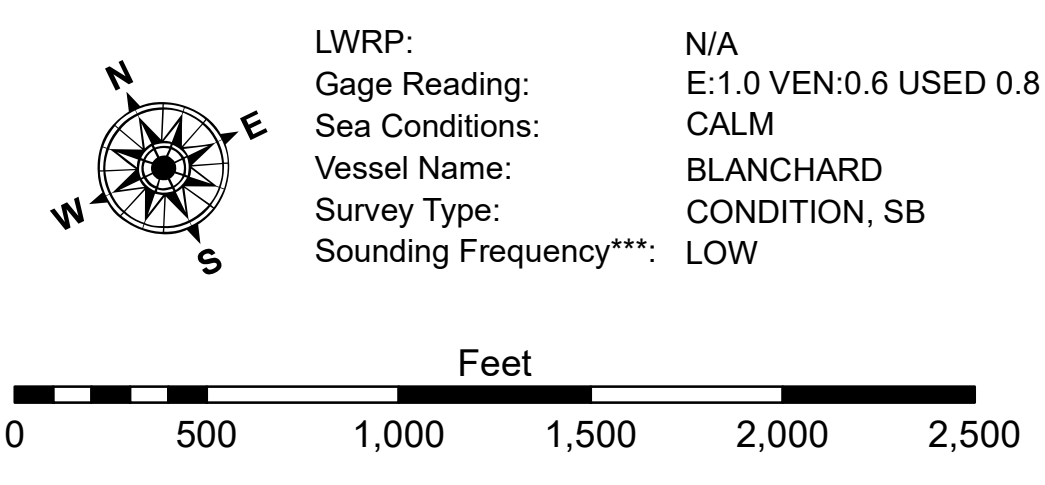


LEGEND

| | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel | ○ Cable Area | ■ Shoaling Area | ■ 0' and above |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding** | ■ 0' to -5' |
| — As-built Pipeline/Cable | □ Anchorage Area | ★ Beacon, General | ■ -5' to -10' |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy | ■ -10' to -20' |
| — Project Depth Contour | ✶ Wrecks-Submerged | ◆ Green Navigation Buoy | ■ -20' to -30' |
| | | | ■ -30' to -35' |
| | | | ■ -35' to -40' |
| | | | ■ -40' to 45' |
| | | | ■ -45' to 50' |
| | | | ■ -50' and below |



NOTES:
 Horizontal Coordinate System:
 North American Datum of 1983 (NAD83), projected to the State Plane
 Vertical 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.
 2010 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 data represents the results of data collection for a specific US Army Corps of Engineers project. The data is not intended for use in any other project. The user is responsible for the results of the data. The US Army Corps of Engineers does not warrant the accuracy, completeness, or availability of the data for other than its intended purpose.
 Data Constants: Hydrographic survey data is subject to change due to several factors including but not limited to changes in the hydrographical conditions which develop after the date of the survey. The US Army Corps of Engineers does not warrant the accuracy of the data for other than its intended purpose.
 The information depicted on this map represents the results of a survey conducted on the date indicated. The information is considered to represent the general condition existing at that time.

| | |
|--|---------------------------|
| U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT | |
| Submitted: | Surveyed By: JTB & DED |
| Recommended: Chief Survey Section | Plotted By: JTS |
| Approved: Chief Waterways Maintenance Section | Checked By: MSK |

**MISSISSIPPI RIVER - B.R. TO GULF
 BOLIVAR POINT
 MD_93_BVP_20230119_CS
 19 January 2023**

**Sheet Reference Number
 93 of 97**

Revision Number:
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