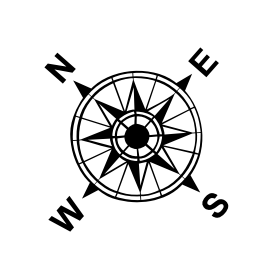
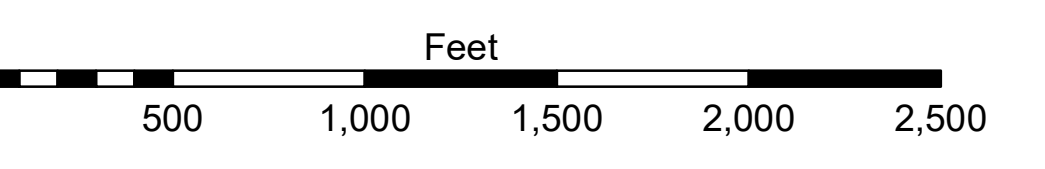


LEGEND

| | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- 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' and below |



LWRP: 0.0
 Gage Reading: EM:3.6VE:2.0 USED:2.3 NAVD
 Sea Conditions: CALM
 Vessel Name: OB-167
 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 base 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.



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, content, time and accuracy specifications. The user is responsible for the results of their use. The application of the data for other than its intended purpose is not warranted. Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions when developed after the date of the survey. The user is responsible for the results of their use of the data. The information depicted on the map represents the results of a survey and is not to be used for navigation purposes. It is not to be considered for navigation purposes. The user is responsible for the results of their use of the data. The information depicted on the map represents the results of a survey and is not to be used for navigation purposes. It is not to be considered for navigation purposes. The user is responsible for the results of their use of the data.

| | | |
|--------------|--------------------------------------|-------------|
| Submitted: | Surveyed By: | SPPM |
| Recommended: | Plotted By: | AO |
| Approved: | Chief, Survey Section | Checked By: |
| | Chief, Waterways Maintenance Section | AO |

MISSISSIPPI RIVER - B. R. TO GULF
VENICE
MD_97_VENX_20210512_CS
12 May 2021

Sheet Reference Number
97 of 97

Revision Number:
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