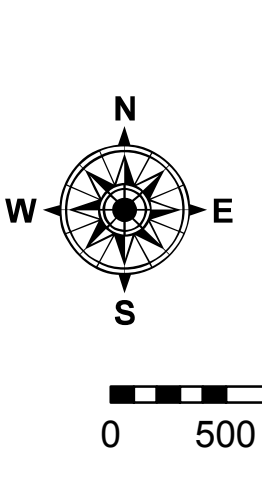


| LEGEND | |
|----------------------------------|-------------------------|
| --- Federal Navigation Channel | ○ Cable Area |
| — Federal Navigation Center Line | □ Placement Area |
| — As-built Pipeline/Cable | □ Anchorage Area |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point |
| — Project Depth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



LWRP: 1.4
 Gage Reading: BR:30.6 D:20.5 USED:20.40 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 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.



DISCLAIMER:
 The information depicted on this map represents the results of a
 survey conducted by the U.S. Army Corps of Engineers. The Corps of Engineers
 does not warrant the accuracy of the information for any purpose other than
 that for which it was prepared. The Corps of Engineers is not responsible for
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| | |
|--------------------------------------|--------------|
| Submitted: | Surveyed By: |
| Recommended: | RYLAND/ADAMS |
| Approved: | Plotted By: |
| Chief, Survey Section | BD |
| Chief, Waterways Maintenance Section | Checked By: |
| | AC |

MISSISSIPPI RIVER - B.R. TO GULF
SMOKE BEND CROSSING
MD_22_SMB_20220420_CS
20 April 2022

Sheet Reference Number
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