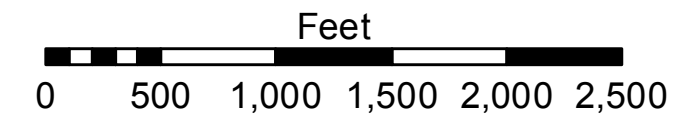
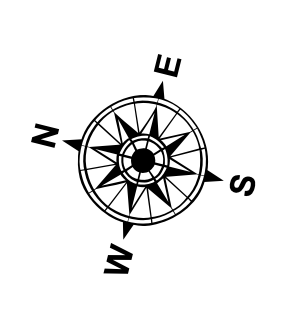


**LEGEND**

|                                  |                     |                         |                  |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel   | ○ Cable Area        | □ Borrow 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: 1.3  
 Gage Reading: D:20.4 R:18.7 USED:19.6 NGVD  
 Sea Conditions: CALM  
 Vessel Name: m/v LAFOURCHE  
 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 (NGVD).

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.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 bathymeter settings.



**ACCESS NOTES:**  
 Access Restrictions: 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 provided. The user is responsible for the reliability, usability or suitability for any particular purpose of the data. The user shall not be held liable for any damage or injury under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient may not transfer, disseminate, or otherwise use these data to others without also transferring the disclaimer. The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers. The information is not to be used for any purpose other than that for which it was intended. Product maintainers should not rely solely on this information.

|  |                        |                     |
|--|------------------------|---------------------|
| U.S. ARMY CORPS OF ENGINEERS<br>NEW ORLEANS DISTRICT |                        |                     |
| Submitted:   | Surveyed By:<br>DS, PS | Plotted By:<br>BITD |
| Recommended:<br>Chief, Survey Section                | Checked By:<br>MSK     |                     |
| Approved:<br>Chief, Waterways Maintenance Section    |                        |                     |

**MISSISSIPPI RIVER - B.R. TO GULF  
 RICH BEND RECON  
 MR\_29\_RIB\_20160427  
 27 April 2016**

**Sheet Reference Number  
 29 of 97**