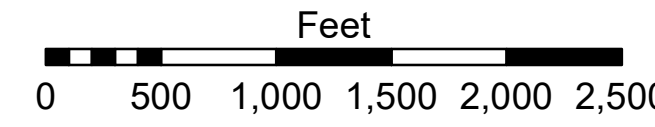
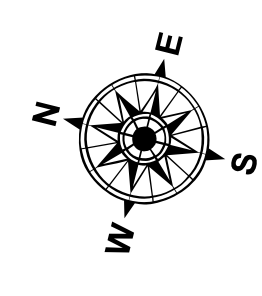


**LEGEND**

	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' to 50'
							-50' and below



LWRP: 1.2  
 Gage Reading: D:18.5 R:13.6 USED:16.3 NAVD  
 Sea Conditions: CALM  
 Vessel Name: M/V VALENTOUR  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

**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.  
 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 United States Government (USG) makes these data and the recipient accepts and uses them with the express understanding that the USG makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information provided. The recipient may not transfer 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 (ACE) and is not intended to be used for any other purpose. The USG is not responsible for the results of the application of the data for other than its intended purpose. Data Constants Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, changes in channel conditions, and changes in the hydrographical conditions which develop after the date of the survey. The USG does not warrant the accuracy of the data and the recipient accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The USG is not responsible for the results of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: ADAMS/CHAMPINE
Reviewed:	Plotted By: BD
Approved:	Checked By: AOJH
Sheet: Waterways Maintenance Section	

**MISSISSIPPI RIVER - B.R. TO GULF**  
**RICH BEND CROSSING**  
 MD\_29\_RIB\_20240416\_CS  
 16 April 2024

**Sheet Reference Number**  
 29 of 97

Revision Number:  
 4.2-20240428