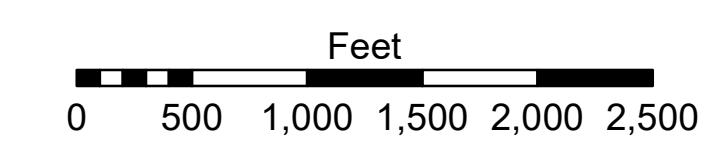
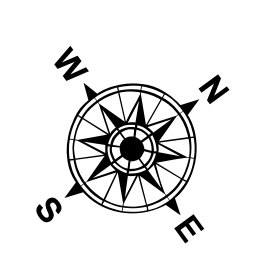


LEGEND			
	Federal Navigation Channel		Placement Area
	Federal Navigation Center Line		Borrow Area
	As-built Pipeline/Cable		Shoalest Sounding**
	Unconfirmed Pipeline/Cable		Beacon, General
	Project Depth Contour		Red Navigation Buoy
	Obstruction Point		Green Navigation Buoy
	Wrecks-Submerged		0' and above
	Cable Area		0' to -5'
	Placement Area		-5' to -10'
	Borrow Area		-10' to -20'
	Shoalest Sounding**		-20' to -30'
	Beacon, General		-30' to -35'
	Red Navigation Buoy		-35' to -40'
	Green Navigation Buoy		-40' to 45'
	Wrecks-Submerged		-45' and below



LWRP: 1.8  
 Gage Reading: BR:5.5 D:3.1 USED:3.02 NAVD  
 Sea Conditions: CALM  
 Vessel Name: M/V LAFORCHE  
 Survey Type: CS  
 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 and accuracy of the data. The application of the data for other than its intended purpose is at the user's risk. The US Army Corps of Engineers does not accept responsibility for changes in the hydrographical conditions which develop after the date of the data collection. The information depicted on this map represents the results of a survey conducted on the date shown and is not to be considered as representing the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: RYLAND/SIMMONS	Plotted By: BD
Recommended:	Chief, Survey Section	Checked By: AOJH
Approved:	Chief, Waterways Maintenance Section	

**MISSISSIPPI RIVER - B.R. TO GULF  
 BAYOU GOULA CROSSING  
 MD\_13\_GOU\_20230927\_CS  
 27 September 2023**

**Sheet  
 Reference  
 Number  
 13 of 97**