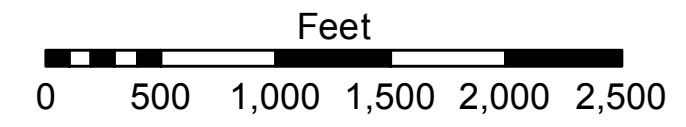
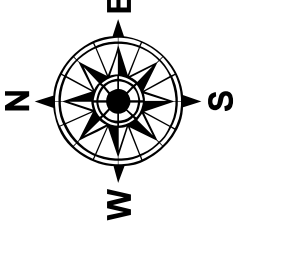


**LEGEND**

--- 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: 2.8  
 Gage Reading: BR:18.4 D:11.1 USED:18.6 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. 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 data represents the results of data collection processing for a specific US Army Corps of Engineers project. The data is not intended for use in any other project. It is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results. The user must verify the application of the data for other than its intended purpose.

**DATA CREDITS:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, channel migration, and other factors. The US Army Corps of Engineers does not assume any responsibility for changes in the hydrographical conditions when developed after the date of the survey. Product maintainers should not rely solely upon it.

**ACCESSORIES:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not intended for use in any other project, or for any purpose other than that for which they were prepared, or for any purpose other than that for which they were prepared, or for any purpose other than that for which they were prepared.

**LIABILITY:** These data belong to the Government. Therefore the recipient may not transfer these data to others without obtaining the permission of the US Army Corps of Engineers. The recipient may not transfer these data to others without obtaining the permission of the US Army Corps of Engineers. The recipient may not transfer these data to others without obtaining the permission of the US Army Corps of Engineers.

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By:
Recommended:	DS/PS
Approved:	Plotted By:
	BD
	Checked By:
	AC

**MISSISSIPPI RIVER - B.R. TO GULF  
 BATON ROUGE FRONT RECON  
 MR\_01\_BRF\_20170118  
 18 January 2017**

**Sheet  
 Reference  
 Number  
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