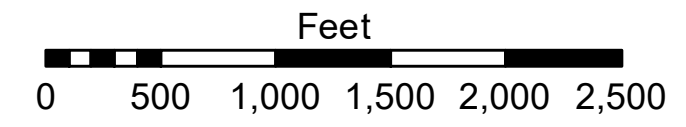
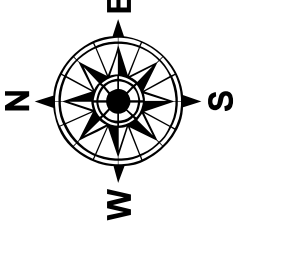


LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	✶ Wrecks-Submerged
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	◆ Red 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' and below



LWRP: 2.8
 Gage Reading: BR:29.1D:20.4 USED:29.4 NGVD
 Sea Conditions: 1
 Vessel Name: LAFORUCHE
 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 (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.

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 data represents the results of data collection for a specific US Army Corps of Engineers project. It is not intended for use in any other project. The user is responsible for the results of any application of the data for other than its intended purpose. Data Collection: Hydrographic survey data is subject to change due to several factors including but not limited to changing hydrographic conditions when developed after the date of the survey. The user is responsible for the results of any application of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted on the date of the survey. It is not intended to represent the general condition existing at that time.

Submitted:	Checked By:
Recommended:	Checked By:
Approved:	Checked By:

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF
 BATON ROUGE FRONT RECON
 MR_01_BRF_20181101_CS
 01 November 2018**

**Sheet
 Reference
 Number
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