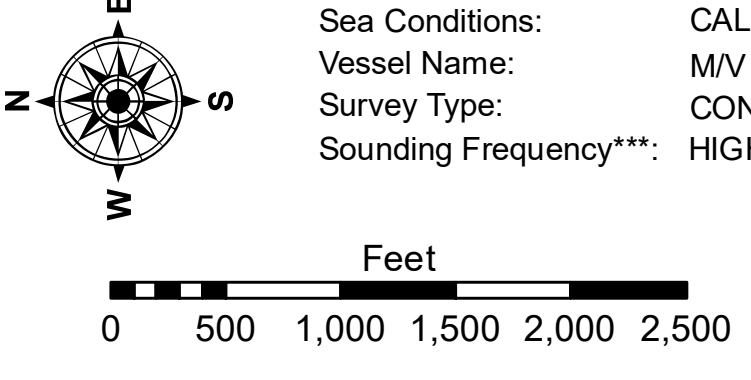


LEGEND		
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area
— Federal Navigation Center Line	▭ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	▭ Anchorage Area	☆ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	✈ Wrecks-Submerged	◆ Green Navigation Buoy
		0' and above
		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:43.7 D:31.62 USED:44.2 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.
 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 United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, either expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user assumes all liability for any use of the data, under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the Government provides these data on a "best effort" basis. The user agrees to indemnify the Government from and hold it harmless from any and all claims, damages, costs, expenses, and attorney's fees, including reasonable costs of defense, that may be incurred by the Government or its employees, agents, or contractors, arising out of or from the use of these data by the user or any other person. The user agrees to release the Government from and hold it harmless from any and all claims, damages, costs, expenses, and attorney's fees, including reasonable costs of defense, that may be incurred by the user or any other person, arising out of or from the use of these data by the user or any other person. The user agrees to release the Government from and hold it harmless from any and all claims, damages, costs, expenses, and attorney's fees, including reasonable costs of defense, that may be incurred by the user or any other person, arising out of or from the use of these data by the user or any other person.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: DJS/SPS	Plotted By: BD
Recommended:	Checked By: AC	Checked By: AC
Approved:		

**MISSISSIPPI RIVER - B.R. TO GULF
 BATON ROUGE FRONT RECON
 MR_01_BRF_20190314_CS
 14 March 2019**

**Sheet Reference Number
 1 of 97**