



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

LWRP:	1.9
Gage Reading:	BR:19.0 D:11.1 USED 15.4 NAVD
Sea Conditions:	CALM
Vessel Name:	MV LAFOURCHE
Survey Type:	CONDITION
Sounding Frequency***:	HIGH

N E
S W

Feet

0 500 1,000 1,500 2,000 2,500

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.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.

Sheet
Reference
Number
10 of 97

Revision Number:
4-0-201907022

MISSISSIPPI RIVER - B.R. TO GULF
GRANADA CROSSING
MD_10_GRA_20190903_CS
03 September 2019

US Army Corps
of Engineers
District: CEMVN

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, the data is not necessarily suitable for other purposes without further processing. The user is responsible for the results of any use of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change due to several factors including but not limited to dredging activities and natural shoals and scouring processes caused by the hydrographic conditions which develop after the date of publication. This data is intended for U.S. Army Corps of Engineers internal use. Please contact the US Army Corps of Engineers for further information.

Disclaimer: The United States Government makes no warranties, expressed or implied, and assumes no liability for the express or implied accuracy and uses them with the express understanding that the US Government makes no warranty, expressed or implied, and assumes no liability for the accuracy and use of the data and associated products. The United States shall not be liable under no liability whatsoever to any person by reason of any use of the data or products derived therefrom. The user agrees to indemnify the Government from liability arising from the use of the data to others who also consider this Disclaimer.

This information depicts the results of a survey conducted on the date indicated and can only be considered

to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS	
NEW ORLEANS DISTRICT	
Surveyed By:	JDH/SPS
Submitted:	
Recommended:	One Survey Section
Approved:	One Waterways Maintenance Section
Checked By:	AO