



**LEGEND**

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Borrow Area
- Shoalest Sounding\*\*
- Beacon, General
- Red Navigation Buoy
- 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

**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.

LWRP: 1.8  
 Gage Reading: BR:12.71 D:7.40 USED:9.7 NGVD  
 Sea Conditions: CALM  
 Vessel Name: M/V LAFOURCHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: HIGH

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



**DISCLAIMER:** The data represents the results of data collection processing for a specific US Army Corps of Engineers project. The user is responsible for the results and accuracy of the data. The application of the data for other than its intended purpose is not recommended. The user is responsible for the results and accuracy of the data. The application of the data for other than its intended purpose is not recommended. The user is responsible for the results and accuracy of the data. The application of the data for other than its intended purpose is not recommended.

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

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF  
 BAYOU GOULA RECON  
 MR\_13\_GOU\_20171108\_CS  
 08 November 2017**

**Sheet Reference Number  
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