

**DISCLAIMER:** 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. Such data is provided "as is" without warranty of any kind. The user assumes responsibility for the use of this data. The user is responsible for the results of any application 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, sand shoals and currents, changes in the river channel, and subsidence. The user is responsible for the results of any use of this data.

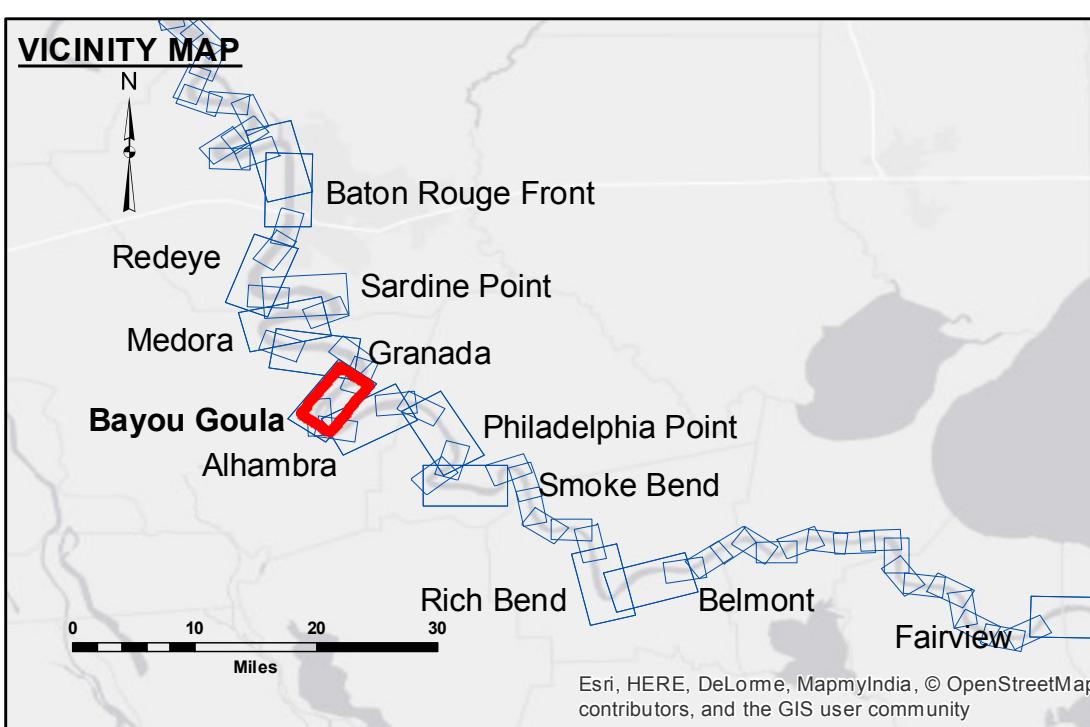
**Data Use:** This data is intended for U.S. Army Corps of Engineers internal use only. It is not to be distributed outside the U.S. Army Corps of Engineers without prior approval.

**Disclaimer:** The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

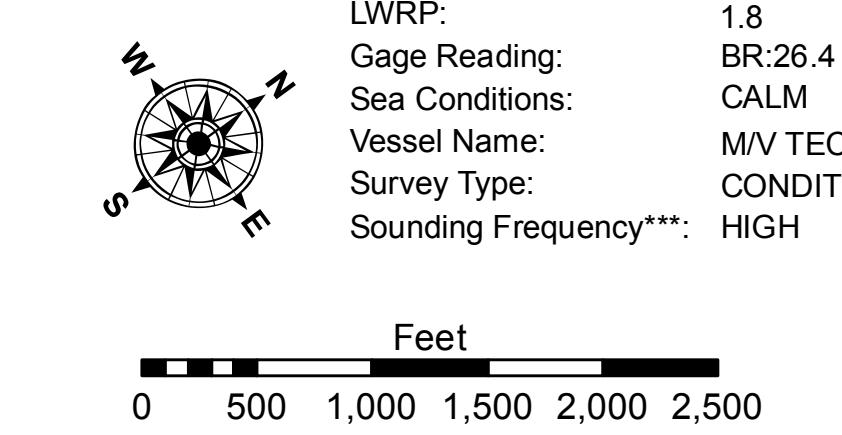
**NOTES:** The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

**Surveyed By:** DSRR  
**Submitted:** \_\_\_\_\_  
**Project By:** BD  
**Recommended:** One Survey Section  
**Approved:** One Waterways Maintenance Section  
**Checked By:** AO

**MISSISSIPPI RIVER - B.R. TO GULF**  
**BAYOU GOULA RECON**  
**MR\_13\_GOU\_20170411\_CS**  
11 April 2017



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



**LWRP:** 1.8  
**Gage Reading:** BR:26.4 D:17.4 USED:21.3 NGVD  
**Sea Conditions:** CALM  
**Vessel Name:** MV TECHE  
**Survey Type:** CONDITION  
**Sounding Frequency\*\*\*:** HIGH

**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.A. Navigation Chart No. 11370.

\*\* Shoal 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**  
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