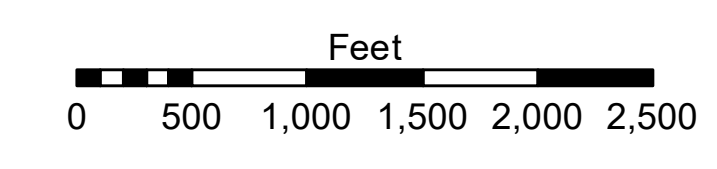
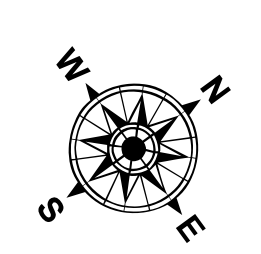


LEGEND			
	Federal Navigation Channel		Borrow Area
	Federal Navigation Center Line		Shoalest Sounding**
	As-built Pipeline/Cable		Beacon, General
	Unconfirmed Pipeline/Cable		Red Navigation Buoy
	Project Depth Contour		Green Navigation Buoy
	Placement Area		0' and above
	Anchorage Area		0' to -5'
	Obstruction Point		-5' to -10'
	Wrecks-Submerged		-10' to -20'
			-20' to -30'
			-30' to -35'
			-35' to -40'
			-40' to 45'
			-45' and below



LWRP: 1.8
 Gage Reading: BR:13.48 D:7.78 USED:10.2 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.

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.



DISCLAIMER: The data represents the results of data collection processing for a specific US Army Corps of Engineers project. The data is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results of the application of the data for other than its intended purpose.

DATA CONSTRAINTS: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activities, sedimentation, and other factors. The user is responsible for the accuracy of the data used in the project. The information depicted on this map represents the results of a survey conducted on the date of the survey. The user is responsible for the accuracy of the information used in the project. The user is responsible for the accuracy of the information used in the project.

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

**MISSISSIPPI RIVER - B.R. TO GULF
 BAYOU GOULA RECON
 MR_13_GOU_20171114_CS
 14 November 2017**

**Sheet
 Reference
 Number
 13 of 97**