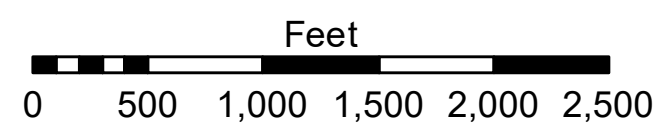
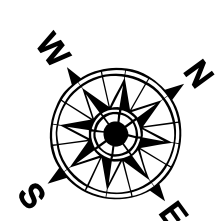


LEGEND	
	Federal Navigation Channel
	Federal Navigation Center Line
	As-built Pipeline/Cable
	Unconfirmed Pipeline/Cable
	Project Depth Contour
	Cable Area
	Placement Area
	Anchorage Area
	Obstruction Point
	Wrecks-Submerged
	Borrow Area
	Shoalest Sounding**
	Beacon, General
	Red Navigation Buoy
	Green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



LWRP: 1.8  
 Gage Reading: BR:18.9 D:11.1 USED:14.50 NGVD  
 Sea Conditions: CALM  
 Vessel Name: M/V BURRWOOD  
 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 based 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 represented in this map is the result of a data collection project for a specific U.S. Army Corps of Engineers project. It is not intended for use for any other purpose than the project for which it was collected. The user is responsible for the results of the application of the data for other than its intended purpose.  
 Data Collection: Hydrographic survey data is subject to change due to several factors including but not limited to dredging, channel migration, and changes in bathymetry. The user is responsible for the results of the application of the data for other than its intended purpose.  
 The information depicted on this map represents the results of a survey conducted on the date specified. It is not intended to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: RYLAND/ADAMS	Plotted By: BD
Recommended:	Chief, Survey Section	Checked By: AC
Approved:	Chief, Waterways Maintenance Section	

**MISSISSIPPI RIVER - B.R. TO GULF  
 BAYOU GOULA CROSSING  
 MD\_13\_GOU\_20170726\_AD**  
 26 July 2017

**Sheet Reference Number**  
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Revision Number:  
 3.13-20160811