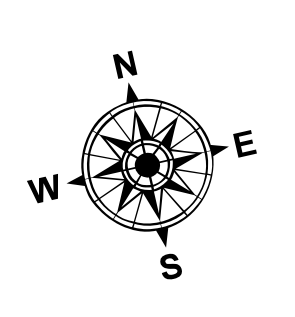
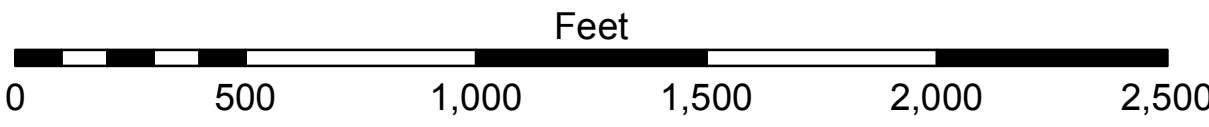


LEGEND		
Federal Navigation Channel	Cable Area	0' and above
Federal Navigation Center Line	Placement Area	0' to -5'
As-built Pipeline/Cable	Anchorage Area	-5' to -10'
Unconfirmed Pipeline/Cable	Obstruction Point	-10' to -20'
Project Depth Contour	Wrecks-Submerged	-20' to -30'
	Beacon, General	-30' to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



LWRP: 0.8
 Gage Reading: R:17.0NO:11.7 USED:14.3 NAVD
 Sea Conditions: CHOP
 Vessel Name: OB-169
 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 (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.
 2017 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 United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are for informational purposes only. The data are not to be used for any purpose other than that for which they were collected. The user is responsible for the results of any use of the data. The data are not to be used for any purpose other than that for which they were collected. The user is responsible for the results of any use of the data. The data are not to be used for any purpose other than that for which they were collected. The user is responsible for the results of any use of the data.

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

**MISSISSIPPI RIVER - B.R. TO GULF
 LULING - SHEET 2
 MD_46_LUX_20210318_CS
 18 March 2021**

**Sheet
 Reference
 Number
 46 of 97**

Revision Number:
 4.1-20191105