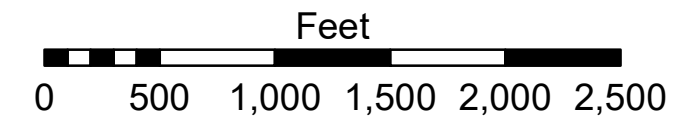
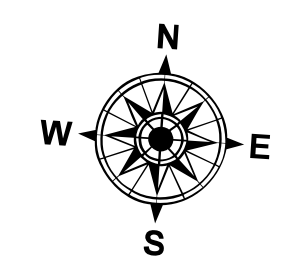
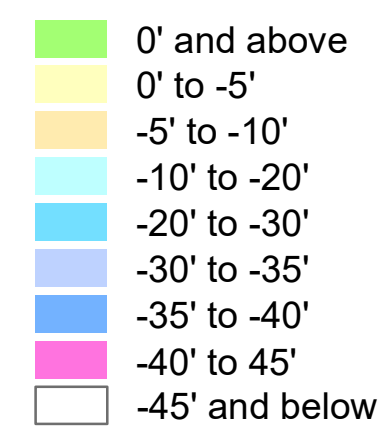


LEGEND	
--- Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	✈ Wrecks-Submerged
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
◆ Green Navigation Buoy	



LWRP: 2.3
 Gage Reading: BR:32.5D:22.0 USED:30.7 NAVD
 Sea Conditions: SMOOTH
 Vessel Name: LAFORCHE
 Survey Type: CS
 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 based on and provided by the U.S. Coast Guard and USACE crew.
 2015 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 not to be used for any purpose other than that for which they were prepared, and that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability, for any particular purpose of the data. The recipient agrees to indemnify and hold the United States Government harmless from and against all claims, damages, and expenses, including reasonable attorneys' fees, that may be asserted against or incurred by the United States Government as a result of the recipient's use of the data. The recipient may not transfer these data to others without the prior written consent of the United States Government. The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers and is not to be used for any purpose other than that for which it was prepared. The recipient agrees to indemnify and hold the United States Government harmless from and against all claims, damages, and expenses, including reasonable attorneys' fees, that may be asserted against or incurred by the United States Government as a result of the recipient's use of the data. The recipient may not transfer these data to others without the prior written consent of the United States Government.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: DJS/SIS
Recommended:	Plotted By: AO
Approved:	Checked By: AC

**MISSISSIPPI RIVER - B.R. TO GULF
 SARDINE POINT CROSSING
 MD_06_SDP_20190808_CS
 08 August 2019**

**Sheet Reference Number
 6 of 97**

Revision Number:
 4-10-2019/0122