



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

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.

LWRP: 1.5
 Gage Reading: BR:37.8 D:27.3 USED:28.8 NGVD
 Sea Conditions: CHOPPY
 Vessel Name: OB-189
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

Feet
 0 500 1,000 1,500 2,000 2,500



Access/Availability: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are not to be distributed, reproduced, or used in any manner for any purpose other than that for which they were originally prepared. The user is responsible for the results of any application of the data for other than its intended purpose.
Disclaimer: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and other natural processes. The Corps of Engineers does not warrant the accuracy of the data for purposes other than those for which it was collected. The information depicted on this map represents the results of a survey conducted on the date indicated. The Corps of Engineers does not represent the general condition existing at that time.

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

**MISSISSIPPI RIVER - B.R. TO GULF
 PHILADELPHIA POINT RECON
 MR_19_PHP_20170613_CS
 13 June 2017**

**Sheet
 Reference
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