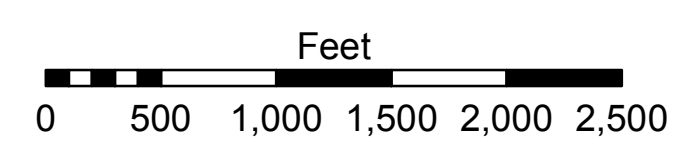
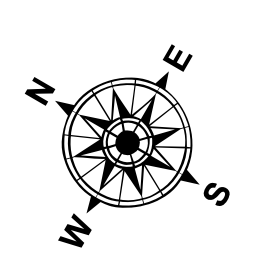


LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	✈ Wrecks-Submerged
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	◆ Red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

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: 1.5
 Gage Reading: BR:22.75 D:14.55 USED: 15.70 NGVD
 Sea Conditions: CALM
 Vessel Name: M/V BURROWD
 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 represented on this map is the result of data collection and processing for a specific US Army Corps of Engineers project. The data is only valid for its intended use, and its accuracy is not guaranteed. The user is responsible for the results of their use of the data. The US Army Corps of Engineers does not accept any liability for damages or losses resulting from the use of this data. The user is advised to verify the data for their intended purpose.
 Data Collection: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing channel conditions, sedimentation, and other factors. The US Army Corps of Engineers does not accept any liability for changes in the hydrographic conditions when developing after the date of the data collection. The user is advised to verify the data for their intended purpose.
 The information depicted on this map represents the results of a survey conducted on the date indicated. The data is not considered 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
 PHILADELPHIA POINT RECON
 MR_19_PHP_20170720_CS
 20 July 2017**

**Sheet Reference Number
 19 of 97**

Revision Number:
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