



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
☆ Beacon, General	◆ 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: N/A
Gage Reading: BR:24.0 D:15.1 USED:16.3 NAVD
Sea Conditions: CALM
Vessel Name: MV VALENTOUR
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.
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 Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user is responsible for the results of the application of the data for other than its intended purpose. The application of the data for other than its intended purpose may result in injury, death or property damage. The user assumes all liability for any injury, death or property damage resulting from the use of the data for other than its intended purpose. The information depicted on this map represents the results of a survey conducted on or after the date of publication. The user is responsible for the accuracy of the data. The information depicted on this map represents the results of a survey conducted on or after the date of publication. The user is responsible for the accuracy of the data.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	SP:JA
Recommended:	BD
Checked By:	AC

**MISSISSIPPI RIVER - B.R. TO GULF
PHILADELPHIA POINT CROSSING
MD_19_PHP_20191031_CS
31 October 2019**

**Sheet Reference Number
19 of 97**