



LEGEND

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

LWRP: 1.5
Gage Reading: BR:17.10 D:10.0 USED:11.00 NAVD
Sea Conditions: CALM
Vessel Name: OB-167
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 data represents the results of data collection/processing for a specific US Army Corps of Engineers project. The data is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results. The user's application of the data for other than its intended purpose is not warranted. The application of the data for other than its intended purpose is not warranted. The application of the data for other than its intended purpose is not warranted.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT			
Submitted By:	RYLAND/SOUKI	Plotted By:	BD
Recommended By:	Chart Survey Section	Checked By:	AC
Approved By:	Chart Waterways Maintenance Section		

**MISSISSIPPI RIVER - B.R. TO GULF
PHILADELPHIA POINT CROSSING
MD_19_PHP_20191008_CS
08 October 2019**

**Sheet Reference Number
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