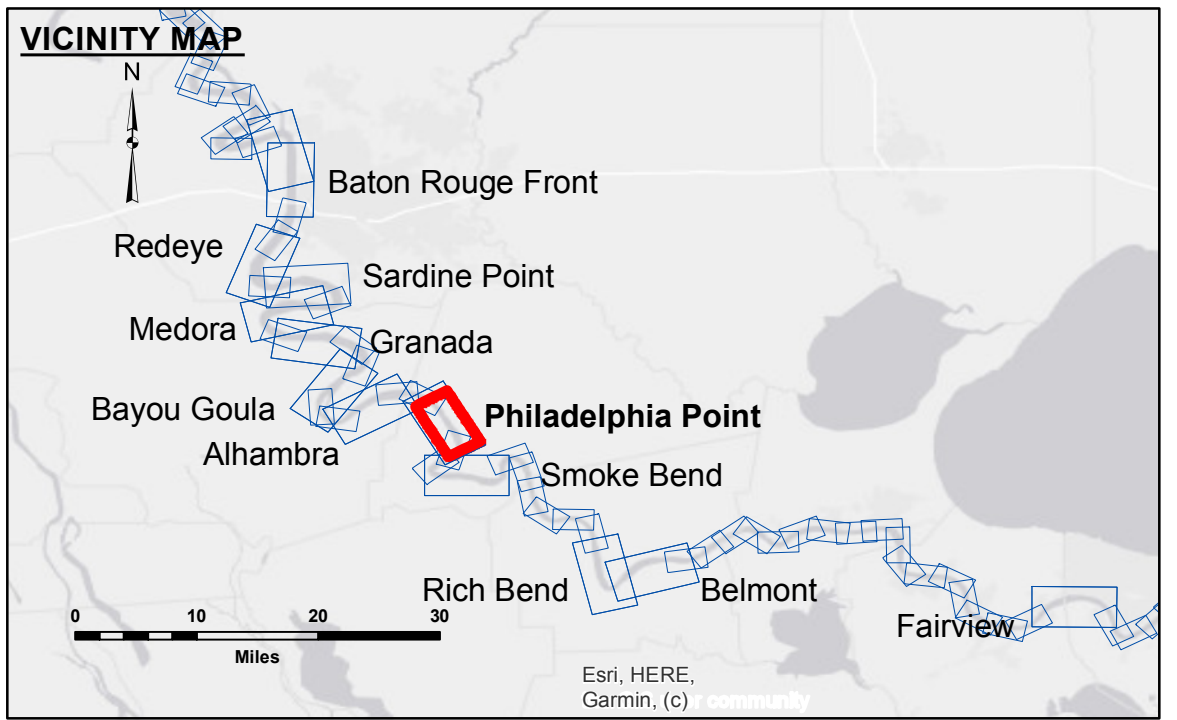


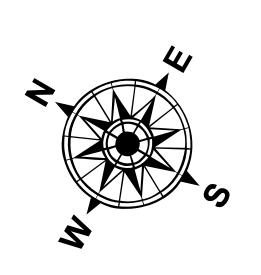
DISCLAIMER
 The data represented on this map was derived from the results of a data collection project for a specific US Army Corps of Engineers project. The data is only valid for its intended use, and its accuracy is not guaranteed. The user is responsible for the results of any application of the data for other than its intended purpose. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey conducted under the authority of the US Army Corps of Engineers. The information is provided for informational purposes only and should not be used for any other purpose. The user is responsible for the results of any application of the data for other than its intended purpose. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey conducted under the authority of the US Army Corps of Engineers. The information is provided for informational purposes only and should not be used for any other purpose. The user is responsible for the results of any application of the data for other than its intended purpose. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey.

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

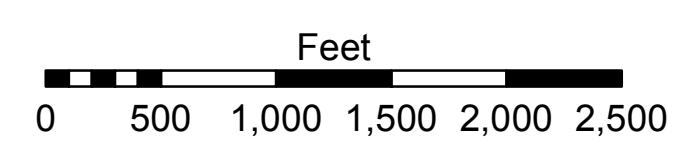
**MISSISSIPPI RIVER - B.R. TO GULF
 PHILADELPHIA POINT CROSSING
 MD_19_PHP_20220420_CS
 20 April 2022**



LEGEND		Depth Contours	
--- Federal Navigation Channel	○ Cable Area	Green	0' and above
— Federal Navigation Center Line	□ Placement Area	Yellow	0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	Orange	-5' to -10'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	Light Blue	-10' to -20'
— Project Depth Contour	⚓ Wrecks-Submerged	Blue	-20' to -30'
	★ Beacon, General	Dark Blue	-30' to -35'
	◆ Red Navigation Buoy	Light Purple	-35' to -40'
	◆ Green Navigation Buoy	Dark Purple	-40' to -45'
		White	-45' and below



LWRP: 1.5
 Gage Reading: BR:30.6 D:20.5 USED:22.00 NAVD
 Sea Conditions: CALM
 Vessel Name: M/V 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 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 bathymetry
 settings.

**Sheet
 Reference
 Number
 19 of 97**