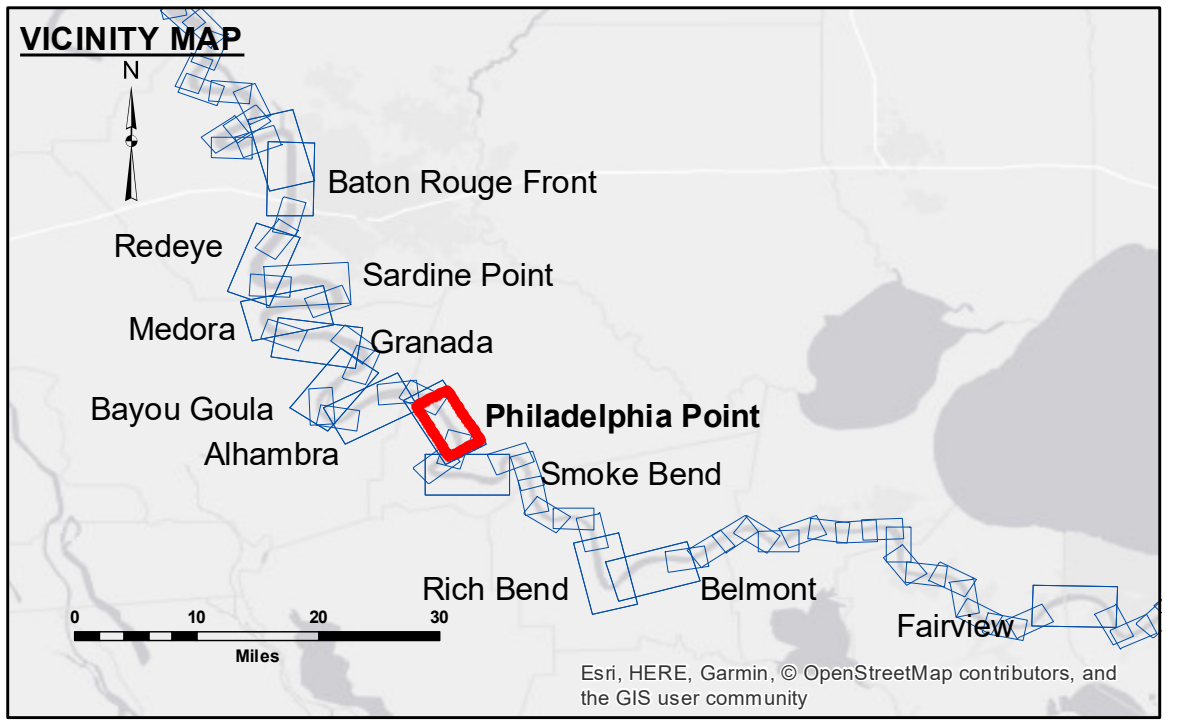


DISCLAIMER
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were originally intended. The user is responsible for the results of the application of the data for other than its intended purpose.
 The information depicted on this map represents the results of a survey conducted on the ground. The user is advised that the information is not to be used for any purpose other than that for which it was originally intended. The user is responsible for the results of the application of the data for other than its intended purpose.
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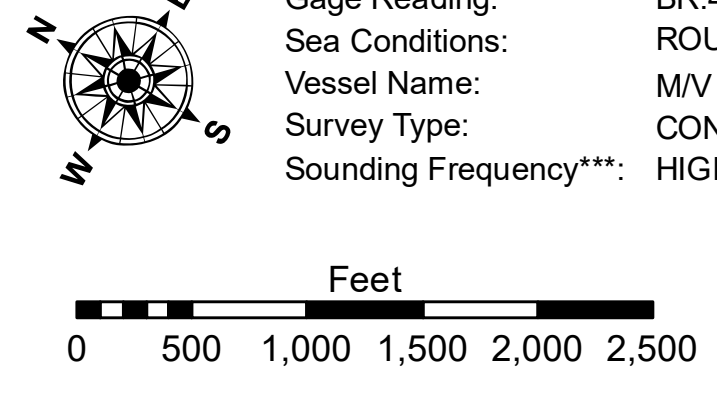
Submitted:	Recommended:	Approved:
Surveyed By:	Plotted By:	Checked By:
D/S/S/P/S	BD	AC

MISSISSIPPI RIVER - B.R. TO GULF PHILADELPHIA POINT RECON
MR_19_PHP_20190404_BD
04 April 2019



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'
□ Anchorage Area	-35' to -40'
⊗ Obstruction Point	-40' to 45'
★ Beacon, General	-45' and below
◆ Wrecks-Submerged	
□ Borrow Area	
● Shoalest Sounding**	
★ Beacon, General	
◆ Red Navigation Buoy	
◆ Green Navigation Buoy	

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.
 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.



Sheet Reference Number
19 of 97

Revision Number:
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