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Submitted:	Surveyed By: JA, JH
Recommended: Chet, Survey Section	Plotted By: BD
Approved: Chet, Waterways Maintenance Section	Checked By: AC

MISSISSIPPI RIVER - B.R. TO GULF PHILADELPHIA POINT RECON
MR_19_PHP_20180828_CS
28 August 2018

Sheet Reference Number
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LEGEND		0' and above	
--- Federal Navigation Channel	○ Cable Area	0' to -5'	0' and above
— Federal Navigation Center Line	□ Placement Area	-5' to -10'	0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	-10' to -20'	-5' to -10'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	-20' to -30'	-10' to -20'
— Project Depth Contour	★ Beacon, General	-30' to -35'	-20' to -30'
	◆ Red Navigation Buoy	-35' to -40'	-30' to -35'
	◆ Wrecks-Submerged	-40' to -45'	-35' to -40'
		-45' and below	-40' to -45'
			-45' and below

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.

LWRP: 1.5
 Gage Reading: BR:13.3 D:7.8 USED: 8.6 NGVD
 Sea Conditions: CALM
 Vessel Name: M/V LAFOURCHE
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

0 500 1,000 1,500 2,000 2,500 Feet