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Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, shoaling, and other changes in the channel. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of the survey. Prudent mariners should not rely solely upon this information depicted on the map represents the results of a survey conducted on the date of the survey. It is not considered a permanent record.

Submitted:	Surveyed By: SPPS
Recommended: Chief Survey Section	Plotted By: AO
Approved: Chief Waterways Maintenance Section	Checked By: AO

MISSISSIPPI RIVER - B. R. TO GULF
CARROLLTON BEND - SHEET 1
MD_52_CAIY_20210316_CS
16 March 2021

Sheet Reference Number
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LEGEND

--- Federal Navigation Channel	○ Cable Area	■ Shoaling Area	■ 0' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ 0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -5' to -10'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -10' to -20'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -20' to -30'
			■ -30' to -35'
			■ -35' to -40'
			■ -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 (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.
 2017 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: 0.6
 Gage Reading: NO:11.55 NAVD AVG
 Sea Conditions: CHOP
 Vessel Name: OB-167
 Survey Type: CONDITION
 Sounding Frequency***: HIGH