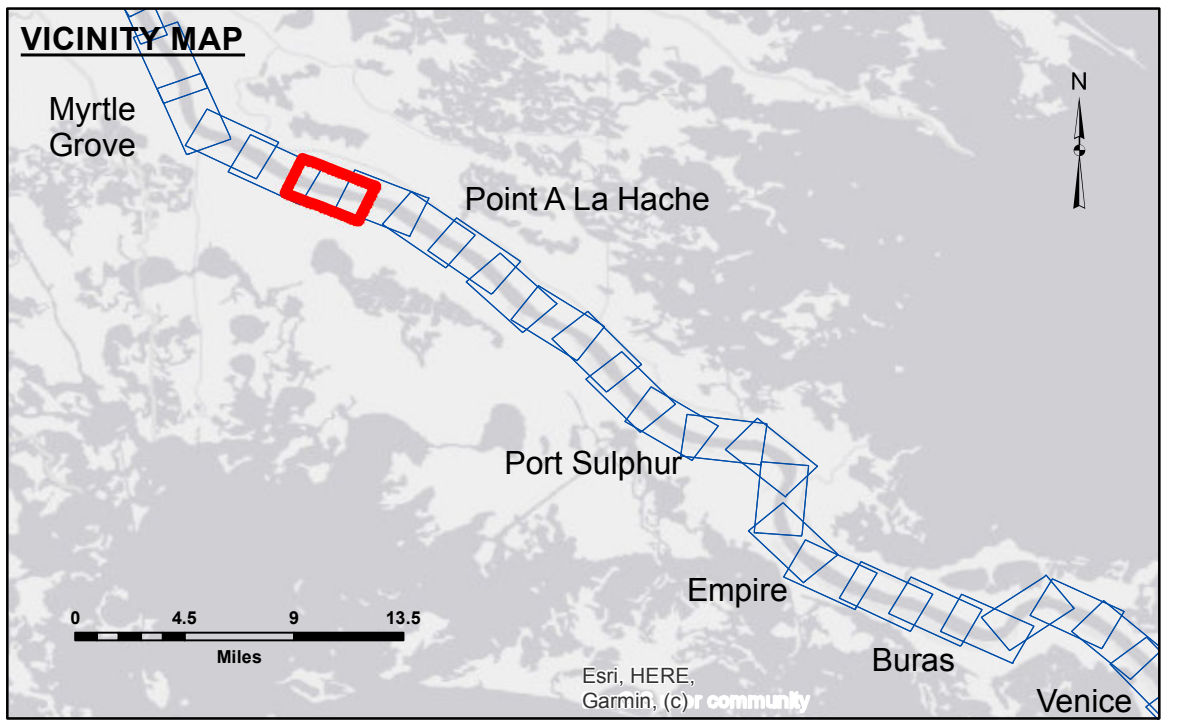


Obstruction at RM 54.5 (9/4/2021)
 Latitude = 29 36 30.0 N
 Longitude = 89 52 53.1 W
 Shoalest Elevation = -96.1' LWRP

Obstruction at RM 54.5 (9/4/2021)
 Latitude = 29 36 26.6 N
 Longitude = 89 52 47.6 W
 Shoalest Elevation = -81.1' LWRP



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: 0.3
 Gage Reading: AL:6.7PH:5.3 USED: 5.8 NAVD
 Sea Conditions: SMOOTH
 Vessel Name: LAFORUCHE
 Survey Type: CS
 Sounding Frequency***: HIGH

Scale: 0 to 2,500 Feet



DISCLAIMER

The information depicted on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability for any particular purpose of the information. The user is responsible for the accuracy, reliability, usability, or suitability for any particular purpose of the information. The user is responsible for the accuracy, reliability, usability, or suitability for any particular purpose of the information.

Submitted:	Surveyed By: DJS/SPS
Recommended: Chief, Survey Section	Plotted By: AC
Approved: Chief, Waterways Maintenance Section	Checked By: AC

MISSISSIPPI RIVER - B.R. TO GULF JUNIOR - SHEET 2
 MD_77_JR2X_20210518_CS
 18 May 2021

Sheet Reference Number
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