

Access/Use: These data and the recipient accepts and uses them with the express understanding that they are for informational purposes only and are not to be used for any purpose other than that for which they were collected. The user is responsible for the results of any application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change due to several factors including, but not limited to, changing hydrographic conditions, changes in the bathymetry of the waterway, and changes in the hydrographic conditions which develop after the date of the survey. The 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.

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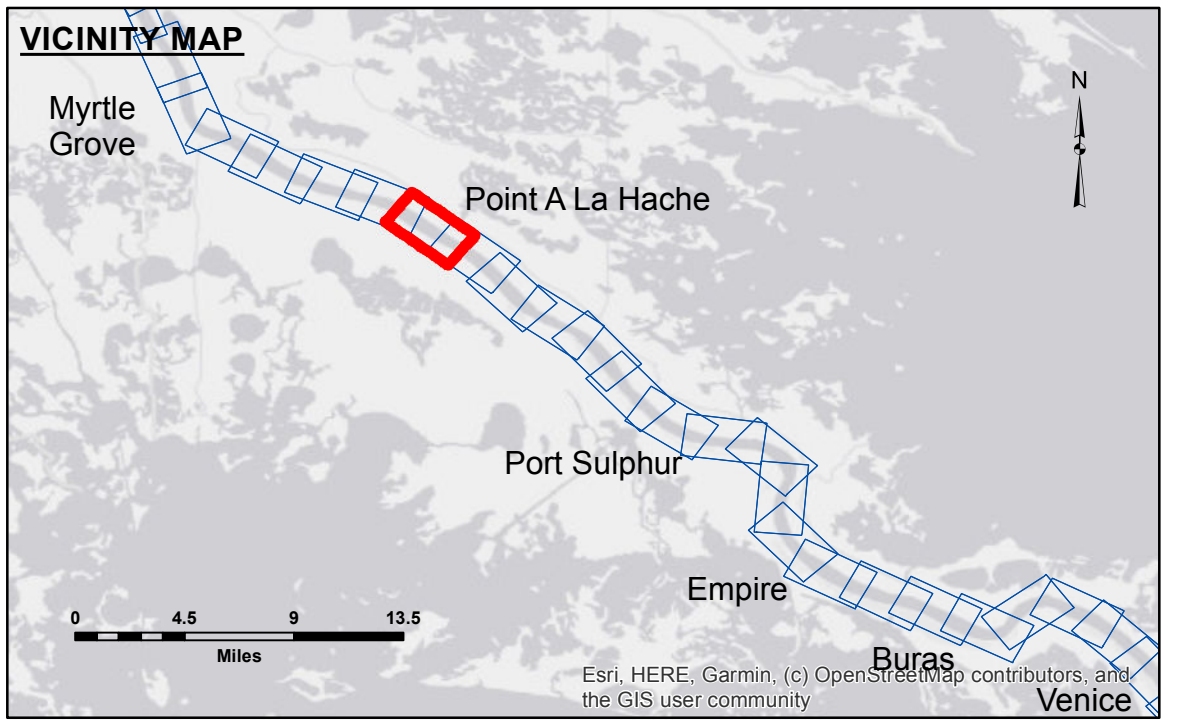
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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: DJS/SJPS	Plotted By: AO
Recommended: Chief, Survey Section	Checked By: AO	Approved By: AO

MISSISSIPPI RIVER - B.R. TO GULF
POINT A LA HACHE - SHEET 1
MD_79_PHIX_20210519_CS
19 May 2021

Sheet Reference Number
79 of 97

Revision Number:
4.1-2019115



LEGEND		
--- Federal Navigation Channel	○ Cable Area	■ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⊗ Wrecks-Submerged	◆ Green Navigation Buoy

LWRP:	0.3
Gage Reading:	AL:7.1 WP:5.5 USED: 5.7 NAVD
Sea Conditions:	ROUGH
Vessel Name:	LAFORCHE
Survey Type:	CS
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 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.