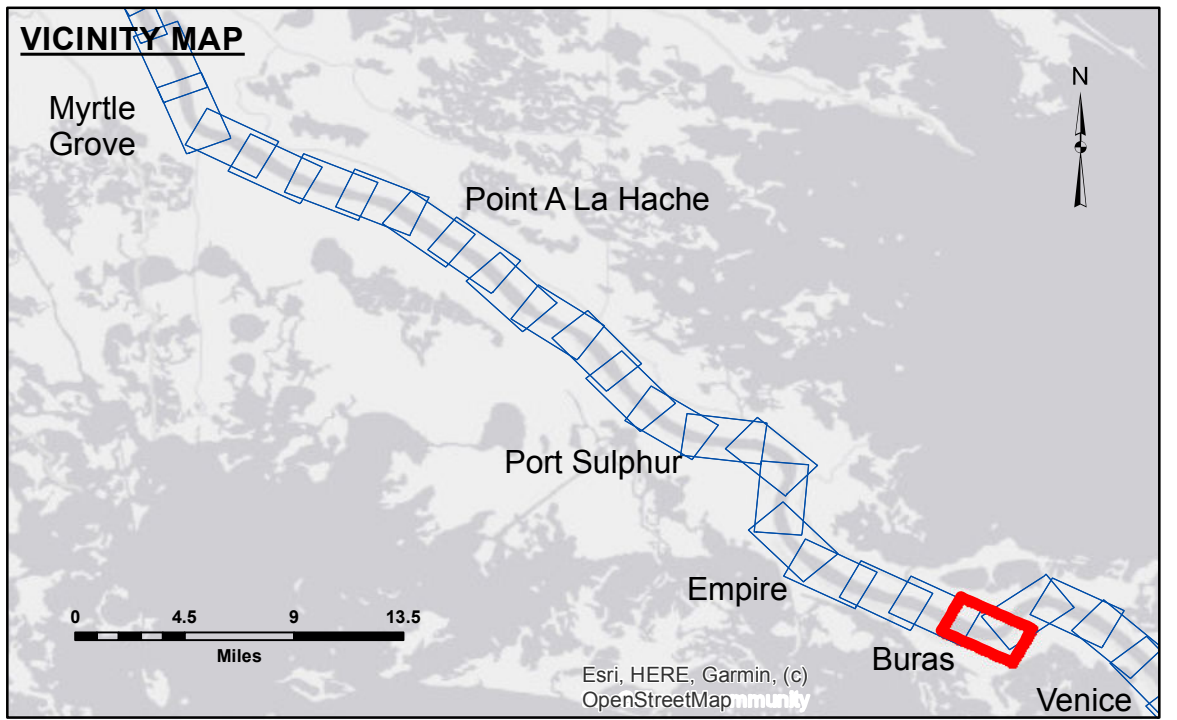


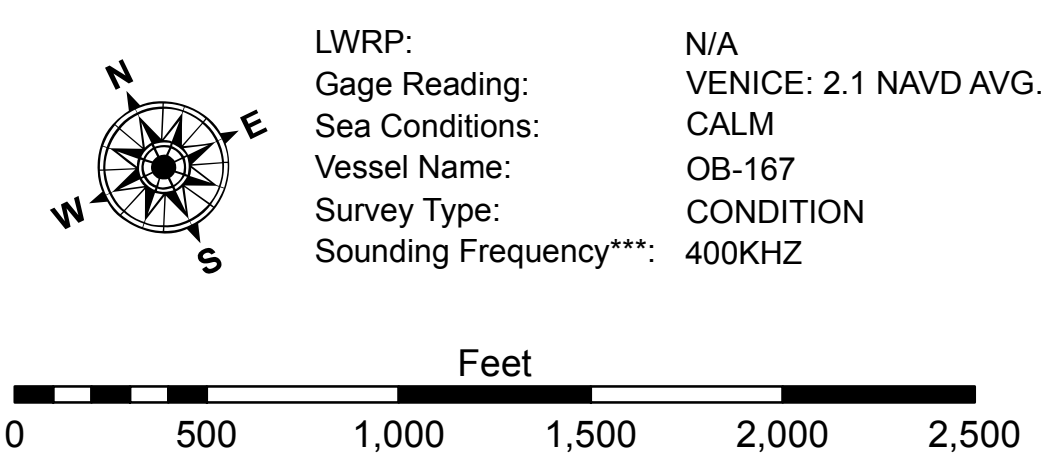
**DISCLAIMER**  
 The data represented on this map is the result of a survey conducted for a specific purpose and is not intended for any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data for their own use. The Corps of Engineers does not warrant the accuracy or completeness of the data for any purpose other than that for which it was collected. The Corps of Engineers does not assume any liability for damages or losses resulting from the use of this data. The information depicted on this map represents the results of a survey conducted for a specific purpose and is not intended for any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data for their own use. The Corps of Engineers does not warrant the accuracy or completeness of the data for any purpose other than that for which it was collected. The Corps of Engineers does not assume any liability for damages or losses resulting from the use of this data.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SPSR	Plotted By: BD
Recommended: Chief, Survey Section	Checked By: AC	
Approved: Chief, Waterways Maintenance Section		

**MISSISSIPPI RIVER - B.R. TO GULF  
 BOLIVAR POINT  
 MD\_93\_BVP\_20220331\_CS\_5X5  
 31 March 2022**



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
		■ 0' and above
		■ 0' to -5'
		■ -5' to -10'
		■ -10' to -20'
		■ -20' to -30'
		■ -30' to -35'
		■ -35' to -40'
		■ -40' to 45'
		■ -45' to 50'
		■ -50' 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.  
 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.

**Sheet  
 Reference  
 Number  
 93 of 97**