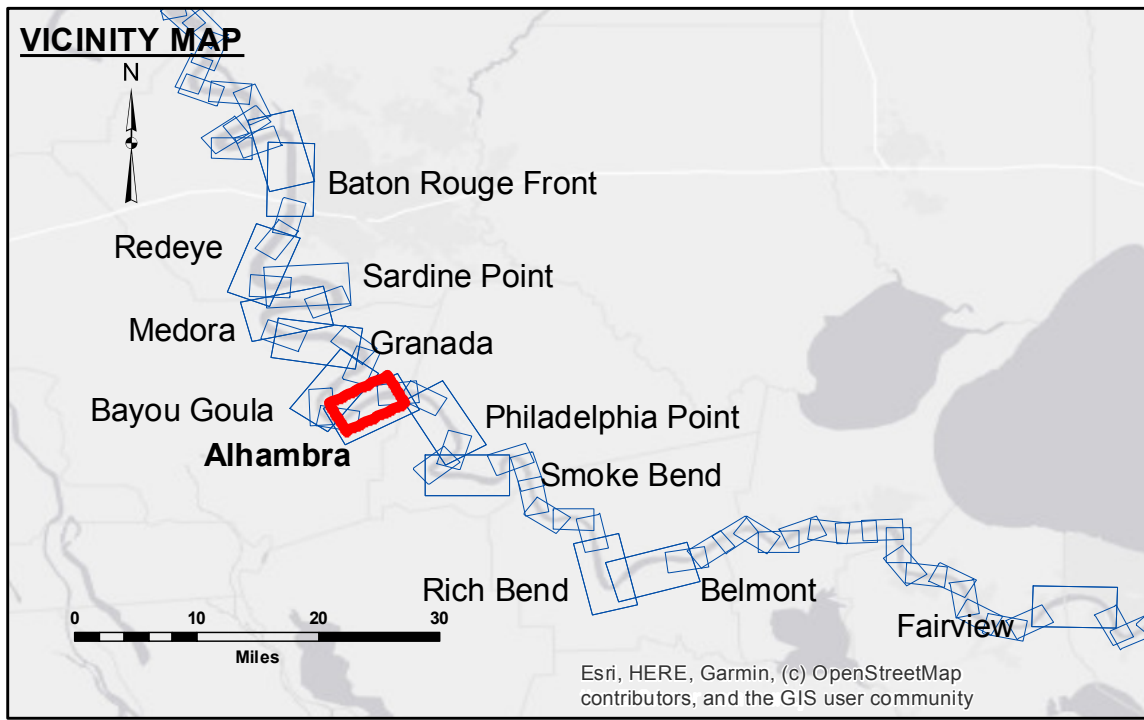


**DISCLAIMER:** The data represents the results of data collection for a specific US Army Corps of Engineers project. The user is responsible for the results and accuracy of the data for their intended use. The user is not to be held liable for any errors or omissions in the data. The user is not to be held liable for any damages, including but not limited to, property damage, personal injury, or death, resulting from the use of the data. The user is not to be held liable for any consequences of the use of the data. The user is not to be held liable for any actions taken based on the data. The user is not to be held liable for any decisions made based on the data. The user is not to be held liable for any results of the use of the data. The user is not to be held liable for any outcomes of the use of the data. The user is not to be held liable for any effects of the use of the data. The user is not to be held liable for any impacts of the use of the data. The user is not to be held liable for any consequences of the use of the data. The user is not to be held liable for any actions taken based on the data. The user is not to be held liable for any decisions made based on the data. The user is not to be held liable for any results of the use of the data. The user is not to be held liable for any outcomes of the use of the data. The user is not to be held liable for any effects of the use of the data. The user is not to be held liable for any impacts of the use of the data.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	RYLAND/SIMMONS
Recommended:	Chart, Survey Section
Approved:	Chart, Waterways Maintenance Section
Surveyed By:	BD
Plotted By:	BD
Checked By:	AD/JH

**MISSISSIPPI RIVER - B. R. TO GULF  
ALHAMBRA CROSSING  
MD\_16\_ALH\_20230209\_CS  
09 February 2023**



LEGEND	
--- Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	⚓ Wrecks-Submerged
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	♦ Red Navigation Buoy
★ Beacon, General	♦ Green Navigation Buoy
♦ Red Navigation Buoy	■ 0' and above
♦ Green Navigation Buoy	■ 0' to -5'
	■ -5' to -10'
	■ -10' to -20'
	■ -20' to -30'
	■ -30' to -35'
	■ -35' to -40'
	■ -40' to -45'
	■ -45' and below

**LWRP:** 1.7  
**Gage Reading:** BR:25.9 D:17.5 USED:19.90 NAVD  
**Sea Conditions:** CALM  
**Vessel Name:** M/V LAFOURCHE  
**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 based on and provided by the U.S. Coast Guard and USACE crew.

2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is N.O.A.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.

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