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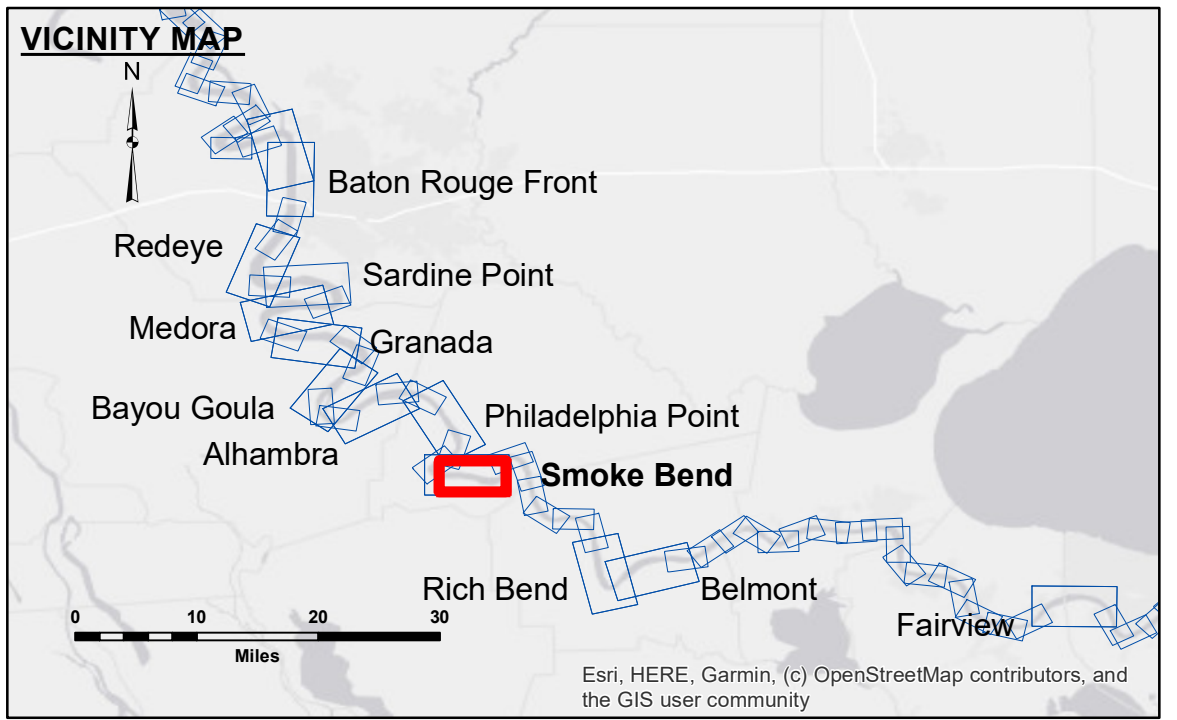
**Data Accuracy:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions when developed after the date of the survey. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions when developed after the date of the survey. Product maintainers should not rely solely upon this information to represent the general condition existing at that time.

Submitted:	Surveyed By:
Recommended:	Plotted By:
Approved:	Checked By:

Submitted: JH/SPS  
Plotted By: AO  
Checked By: AC

**MISSISSIPPI RIVER - B.R. TO GULF  
SMOKE BEND CROSSING  
MD\_22\_SMB\_20200909\_CS  
09 September 2020**

**Sheet Reference Number  
22 of 97**



**LEGEND**

--- Federal Navigation Channel	○ Cable Area	□ Borrow 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 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. 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: 1.4  
Gage Reading: BR:14.1D:7.7 USED:7.6 NAVD  
Sea Conditions: SMOOTH  
Vessel Name: LAFOURCHE  
Survey Type: CS  
Sounding Frequency\*\*\*: HIGH

0 500 1,000 1,500 2,000 2,500 Feet