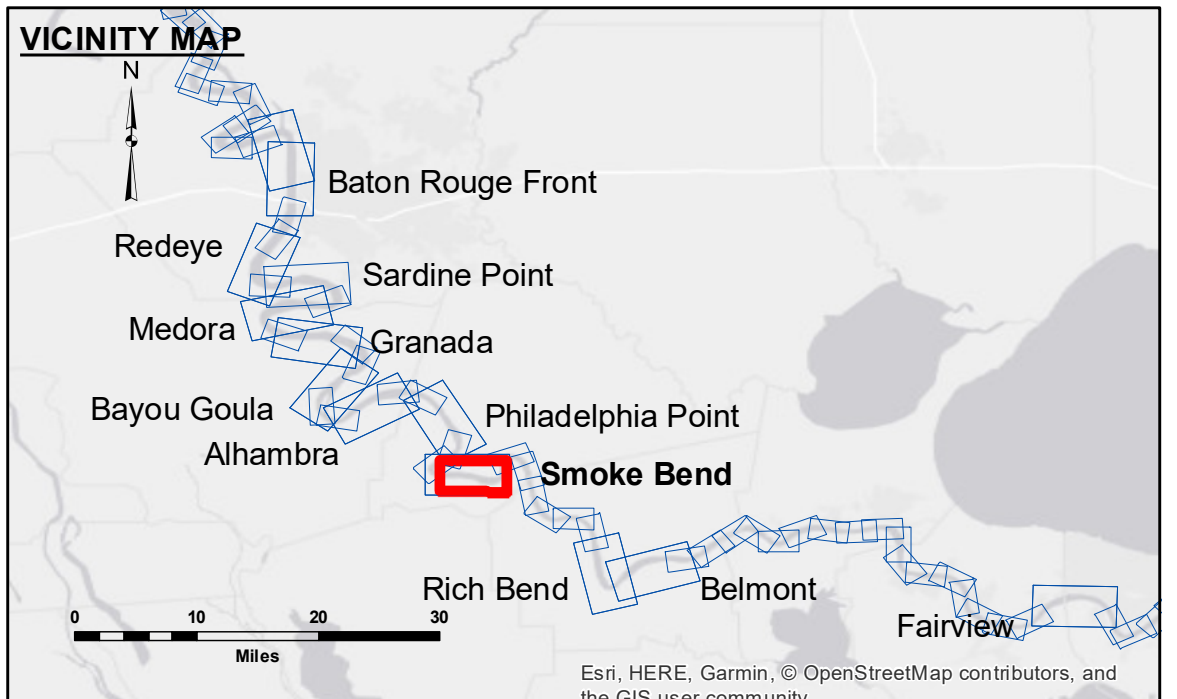


**DISCLAIMER:** The data represented on this map represents the results of a specific US Army Corps of Engineers survey. The data is only valid for its intended use, and its use for any other purpose is at the user's risk. The user is responsible for the accuracy, completeness, and reliability of the data. The user is also responsible for the accuracy, completeness, and reliability of the data. The user is also responsible for the accuracy, completeness, and reliability of the data. The user is also responsible for the accuracy, completeness, and reliability of the data.

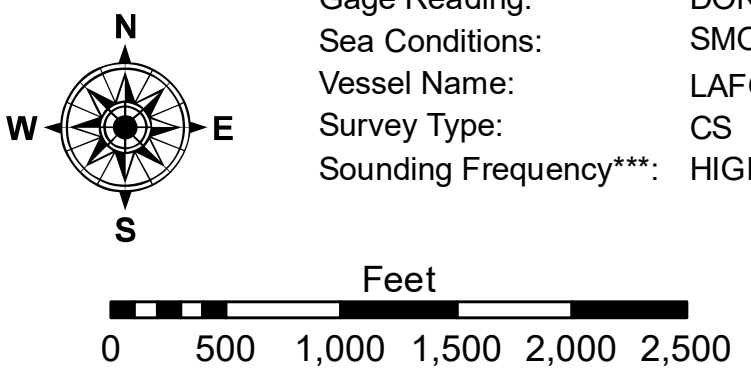
|              |             |
|--------------|-------------|
| Submitted:   | Checked By: |
| Recommended: | Checked By: |
| Approved:    | Checked By: |

**MISSISSIPPI RIVER - B.R. TO GULF  
SMOKE BEND RECON  
MR\_22\_SMB\_20181002\_CS  
02 October 2018**



| 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   |
| ◆ Green Navigation Buoy          | ◆ Green Navigation Buoy |

**LWRP:** 1.4  
**Gage Reading:** DON:17.7 NGVD  
**Sea Conditions:** SMOOTH  
**Vessel Name:** 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 (NGVD).

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.

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