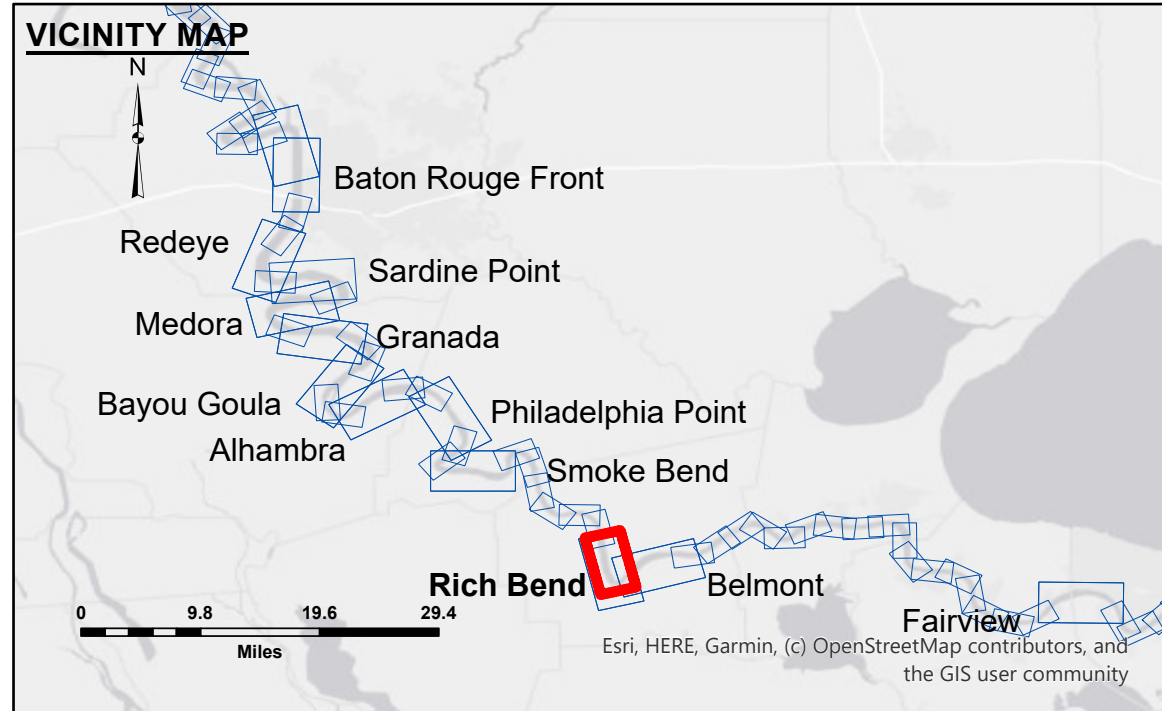




**LEGEND**

--- Federal Navigation Channel

— Federal Navigation Center Line

— As-built Pipeline/Cable

..... Unconfirmed Pipeline/Cable

— Project Depth Contour

○ ○ Cable Area

□ Placement Area

□ Anchorage Area

⊗ Obstruction Point

✈ Wrecks-Submerged

□ Borrow Area

● Shoalest Sounding\*\*

★ Beacon, General

◆ Red Navigation Buoy

◆ 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

Feet

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

LWRP: 1.2

Gage Reading: D:2.6 R:1.1 RTN:2.3 NAVD88 AVG.

Sea Conditions: CALM

Vessel Name: OB-169

Survey Type: CS

Sounding Frequency\*\*\*: 200

**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.

2021 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.

|                                                      |                       |                      |
|------------------------------------------------------|-----------------------|----------------------|
| U.S. ARMY CORPS OF ENGINEERS<br>NEW ORLEANS DISTRICT |                       |                      |
| Submitted:                                           | Surveyed By:<br>PM/LT |                      |
| Recommended:                                         | Plotted By:<br>BD     |                      |
| Approved:                                            | Chief Survey Section  | Checked By:<br>AO/JH |

MISSISSIPPI RIVER - B.R. TO GULF  
RICH BEND CROSSING  
MD\_29\_RIB\_20260115\_CS  
15 January 2026

Sheet  
Reference  
Number  
29 of 97

Revision Number:  
5.25.06.04-5.25.06.04

US Army Corps  
of Engineers  
District: CEMVN

**DISCLAIMER:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were originally prepared, and that the data are not to be used for any purpose other than that for which they were originally prepared. The user is responsible for the results of any application of the data for other than its intended purpose.

**DATA SOURCES:** The data were derived from the results of data collection and processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, the data are not to be used for any purpose other than that for which they were originally prepared. The user is responsible for the results of any application of the data for other than its intended purpose.

**DATA CONTENTS:** Hydrographic survey data is subject to change and is not to be used for any purpose other than that for which it was originally prepared. The data are not to be used for any purpose other than that for which they were originally prepared. The user is responsible for the results of any application of the data for other than its intended purpose.

The information depicted on this map represents the results of a survey and is not to be used for any purpose other than that for which it was originally prepared. The data are not to be used for any purpose other than that for which they were originally prepared. The user is responsible for the results of any application of the data for other than its intended purpose.