

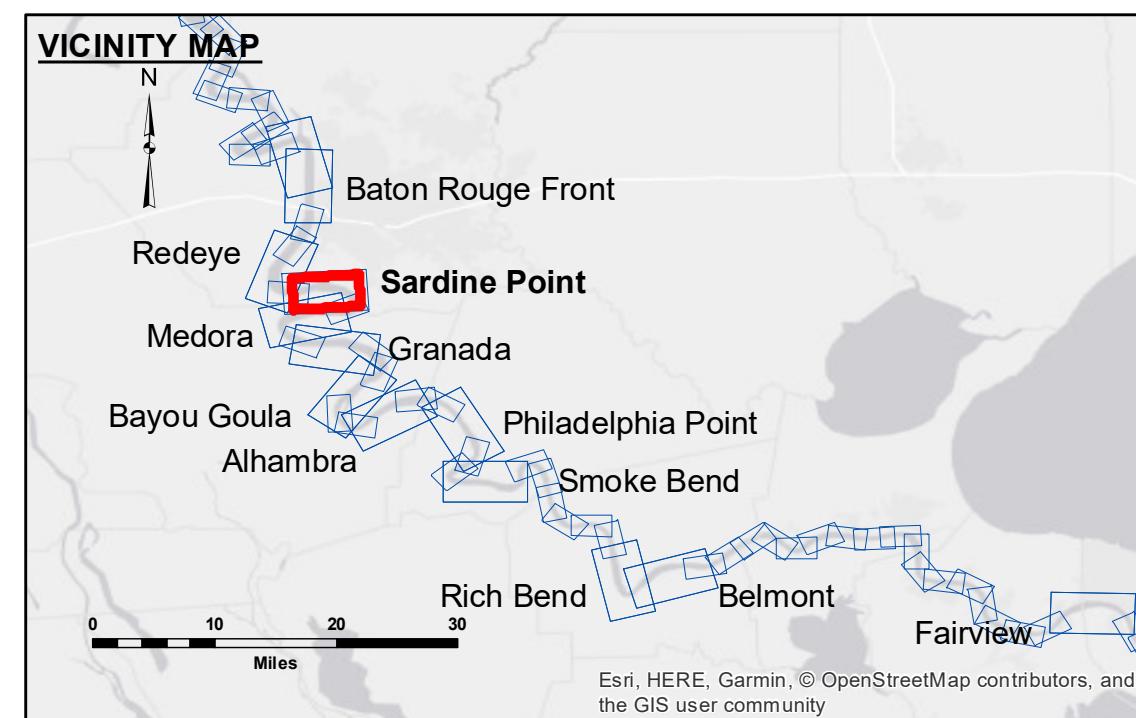
The logo consists of a red square containing a white castle-like emblem with three towers. Below the square is a registered trademark symbol (®). To the right of the logo, the text "US Army Corps of Engineers" is written in a bold, black, sans-serif font. Underneath that, "District: CEMVN" is also written in a bold, black, sans-serif font.

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|--|---|--|
| <p>The United States Government furnishes the recipient accepts and uses them with the express understanding that the U.S. Government makes no warranties, concerning the accuracy, completeness, or suitability for any particular purpose of the data furnished. The United States shall be liable to any person by reason of any use data belong to the Government. Therefore the recipient may not transfer these data to anyone as other data. The recipient may not transfer them without also transferring this Disclaimer.</p> | <p>Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.</p> | <p>Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activity and natural shoaling and scouring processes. The U.S. Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of publication. This data is intended for U.S. Army Corps of Engineers use only, as indicated and can only be considered</p> |
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| U.S. ARMY COPRPS OF ENGINEERS NEW ORLEANS DISTRICT | |
|---|--|
| Submitted: _____ | Surveyed By: <u>DSJ/JH</u> _____ |
| <u>Recommended:</u> Chief, Survey Section | Plotted By: <u>AO</u> _____ |
| Approved: _____ | Checked By: <u>AO</u> _____ |

MISSISSIPPI RIVER - B.R. TO GULF
SARDINE POINT RECON
MR_06_SDP_20180716_CS
16 July 2018

N.
Sheet
Reference
Number
6 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 |


 LWRP: 2.4
 Gage Reading: BR:22.4D:14.0 USED: 21.0 NGVD
 Sea Conditions: SMOOTH
 Vessel Name: OB189
 Survey Type: CS
 Sounding Frequency***: HIGH


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

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:
Elevations 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
in miles intervals.**

The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE crew.

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

erence is N.O.A.A. Navigation Chart No. 11370.

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.