

The logo consists of a red square containing a white castle-like structure with three towers. Below the square is a registered trademark symbol (®).

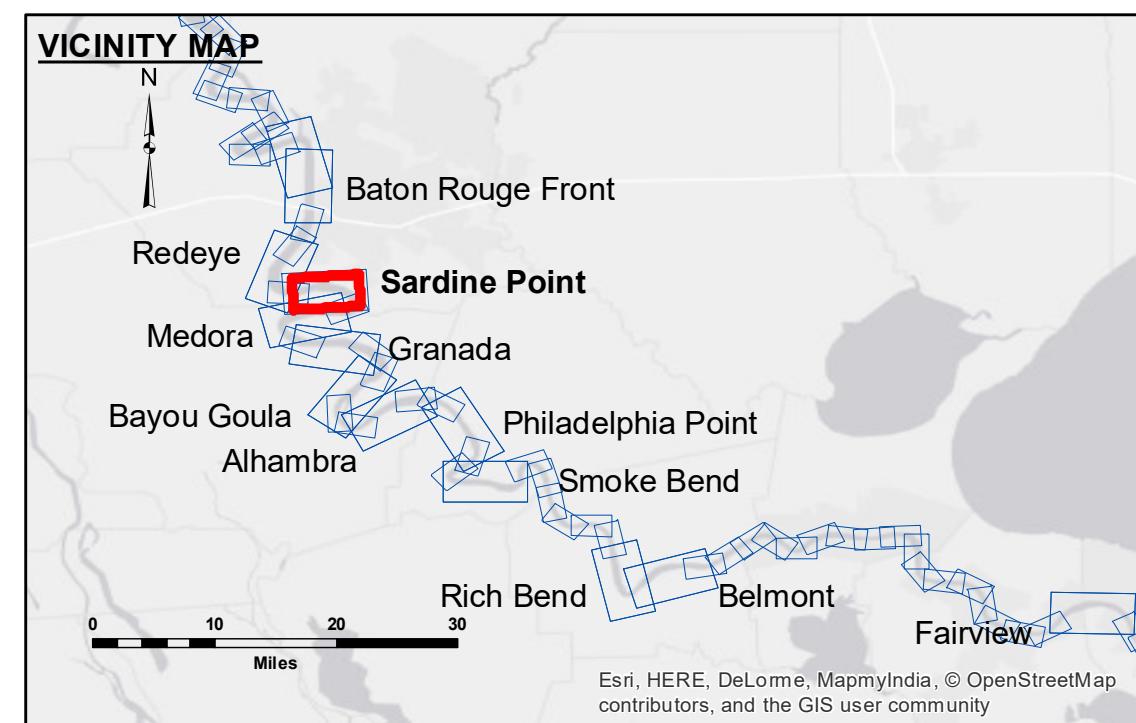
**US Army Corps
of Engineers**
District: CEMVN

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		<p>The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.</p>

<p>U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT</p>	
<u>Submitted:</u> _____	<u>Surveyed By:</u> <u>DS/JH</u> <u>_____</u>
<u>Recommended:</u> _____	<u>Plotted By:</u> <u>BD</u> <u>_____</u>
<u>Approved:</u> _____	<u>Checked By:</u> <u>AO</u> <u>_____</u>
<u>Chief, Survey Section</u> <u>Chief, Waterways Maintenance Section</u>	

MISSISSIPPI RIVER - B.R. TO GULF
SARDINE POINT RECON
MR_06_SDP_20180226_CS
26 February 2018

**Sheet
Reference
Number**



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:30.86
 Sea Conditions: CHOPPY
 Vessel Name: OB-189
 Survey Type: CONDITIONAL
 Sounding Frequency***: HIGH

Feet

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

ES:

Horizontal Coordinate System:
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 one mile intervals.

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

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

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

Deepest Sounding per Quarter per Reach.

High frequency (200 kHz) survey data represents the first signal return at a sounding
and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz)
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.