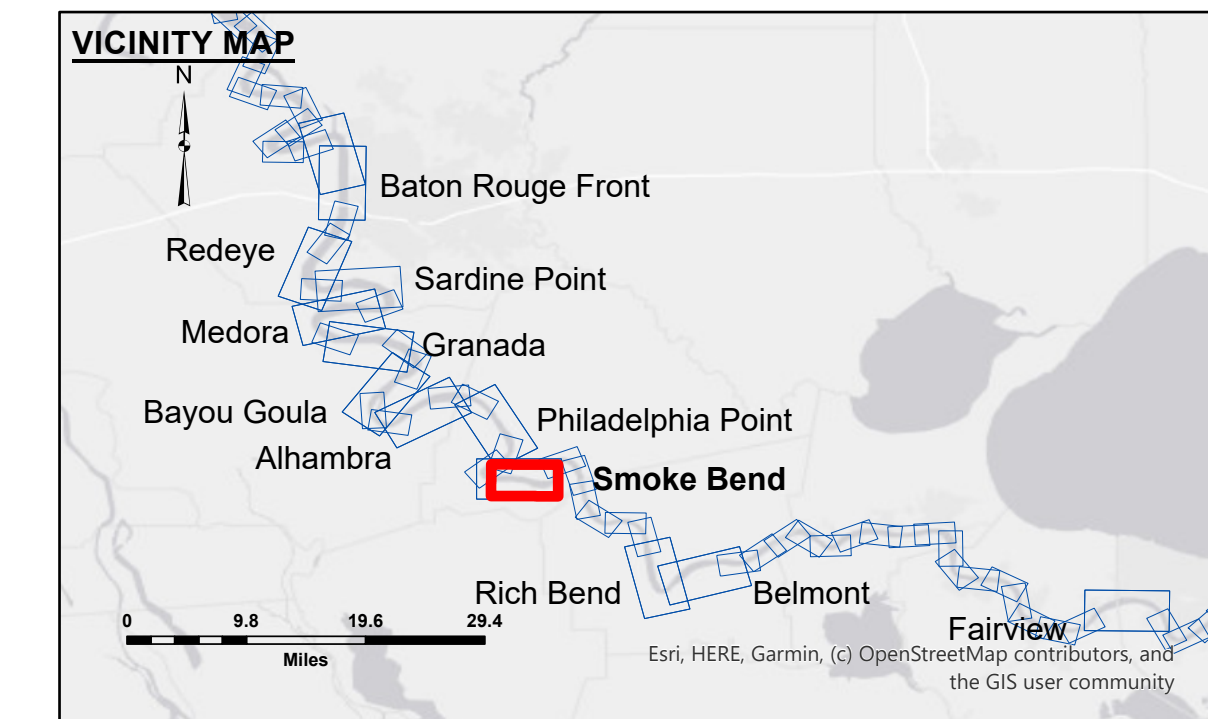
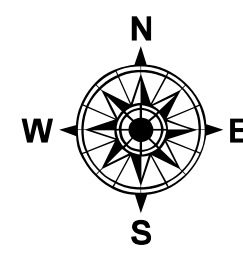




LEGEND		
--- Federal Navigation Channel	⊙ Cable Area	▭ Borrow Area
— Federal Navigation Center Line	▭ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	⊠ Anchorage Area	★ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	✈ Wrecks-Submerged	◆ 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



LWRP: 1.4
Gage Reading: BR:5.7 D:2.9 USED: 2.9 NAVD
Sea Conditions: CALM
Vessel Name: VALENTOUR
Survey Type: CONDITION
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 (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.

2021 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is N.O.A.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.**



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

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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		Submitted _____ Recommended: Chief Survey Section _____ Approved: Chief Waterways Maintenance Section _____	Surveyed By: ADAMS/CHAMPINE Plotted By: BD Checked By: AO/JH
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MISSISSIPPI RIVER - B.R. TO GULF
SMOKE BEND CROSSING
MD_22_SMB_20251022_CS
22 October 2025

Sheet
Reference
Number
22 of 97

Revision Number:
5.25.08.04-5.25.08.04