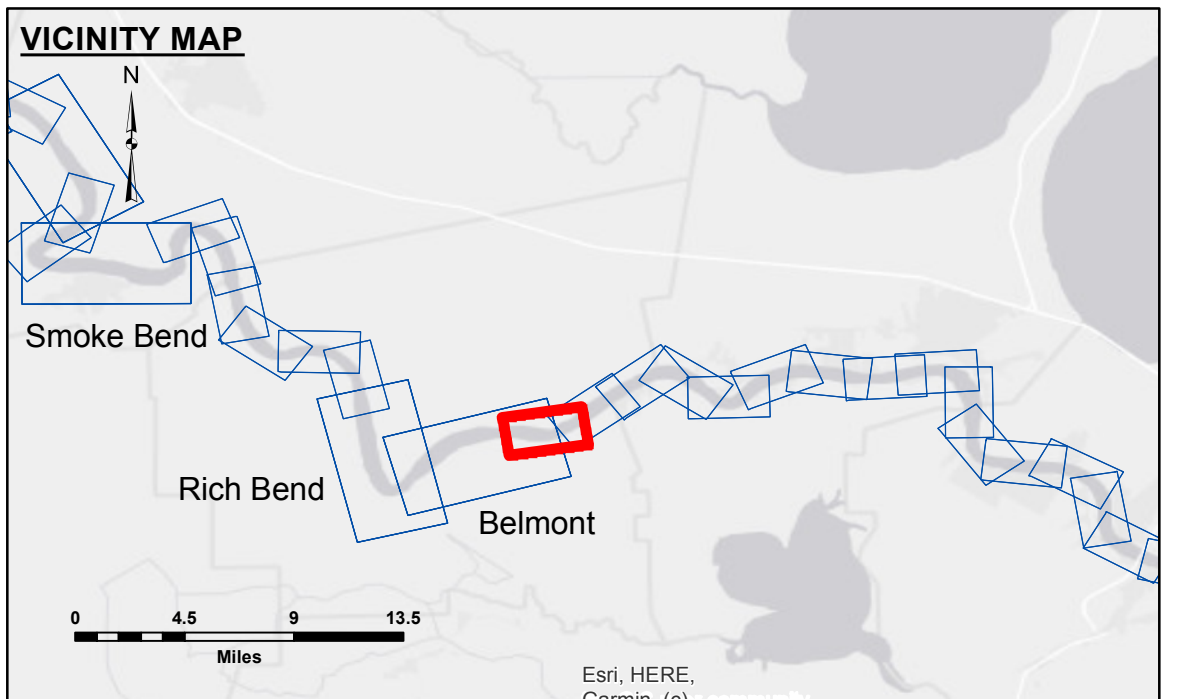


Obstruction at RM 150.0 (9/10/2021)
 200'L x 40'W x 25' tall
 Latitude = 30 00 57.1 N
 Longitude = 90 43 49.8 W
 Shoalest Elevation = -32.2' LWRP

Obstruction at RM 150.5 (9/10/2021)
 80'L x 75'W x 10' tall
 Latitude = 30 00 53.1 N
 Longitude = 90 44 26.2 W
 Shoalest Elevation = -61.6' LWRP



LEGEND

- - - Federal Navigation Channel	••• Cable Area	■ Shoaling 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

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.
 2010 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.

LWRP: 1.1
 Gage Reading: D:26.1R:19.7 USED:21.7 NAVD
 Sea Conditions: CHOP
 Vessel Name: OB-167
 Survey Type: CONDITION
 Sounding Frequency***: HIGH



Distribution Liability: The data represented the results of data collection for a specific U.S. Army Corps of Engineers project. It is only valid for its intended use, context, time, and accuracy. The user is responsible for the results. The application of the data for other than its intended purpose is not recommended. Date Constants: Hydrographic survey data is subject to change due to several factors including but not limited to: changes in the hydrographical conditions which develop after the date of the survey, changes in the hydrographical conditions which develop after the date of the survey, changes in the hydrographical conditions which develop after the date of the survey. The information depicted on the map represents the results of a survey conducted on or about the date shown. The user is responsible for the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: SPPS
Recommended: Chief, Survey Section	Plotted By: AC
Approved: Chief, Waterways Maintenance Section	Checked By: AC

MISSISSIPPI RIVER - B.R. TO GULF
 GRANDVIEW REACH - SHEET 1
 MD_31_GV1X_20210406_CS
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4.1-20191105