

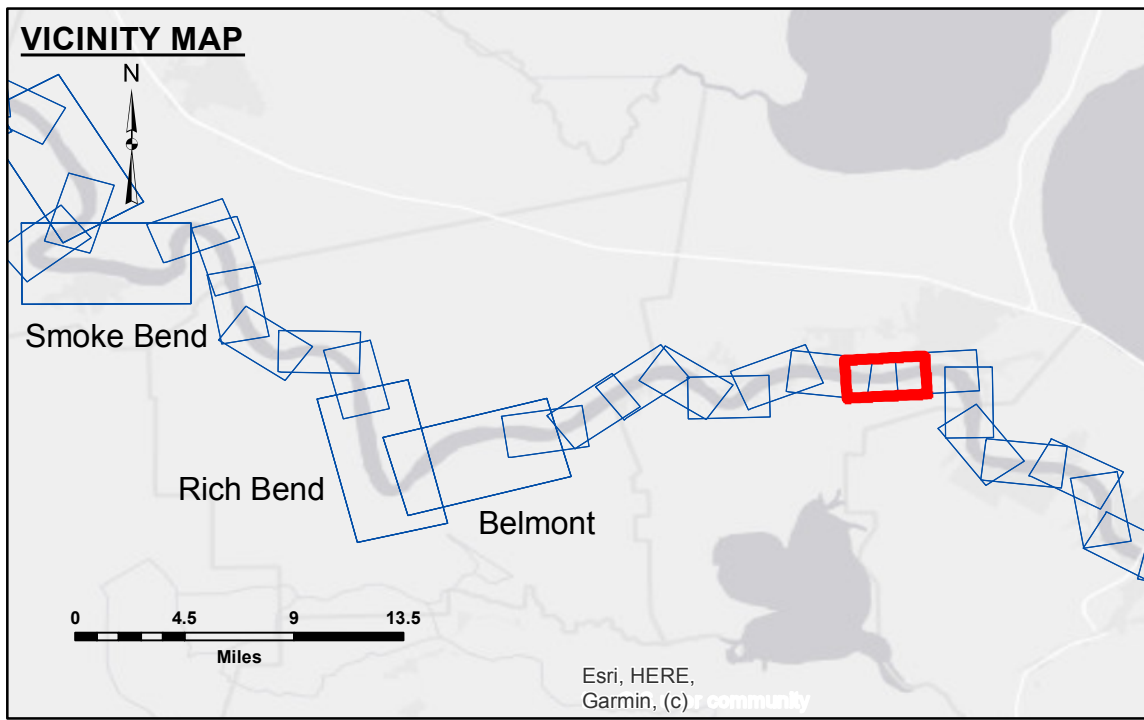
Obstruction at RM 137.0 (9/9/2021)  
 100'L x 50'W x 20' tall  
 Latitude = 30 02 56.6 N  
 Longitude = 90 32 17.0 W  
 Shoalest Elevation = -51.3' LWRP

Obstruction at RM 137.0 (09/09/2021)  
 35'L x 10'W x 40' tall  
 Latitude = 30° 2' 42.273" N  
 Longitude = 90° 32' 16.549" W  
 Shoalest Elevation = -49.3' LWRP

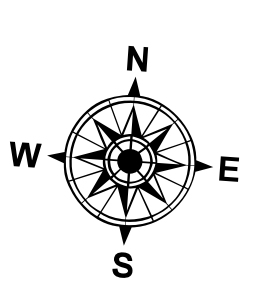
Obstruction at RM 136.0 (9/8/2021)  
 35'L x 20'W x 5' tall  
 Latitude = 30 02 41.1 N  
 Longitude = 90 31 38.3 W  
 Shoalest Elevation = -100.5' LWRP

Obstruction at RM 136.0 (9/8/2021)  
 30'L x 25'W x 10' tall  
 Latitude = 30 02 41.2 N  
 Longitude = 90 31 37.1 W  
 Shoalest Elevation = -104.0' LWRP

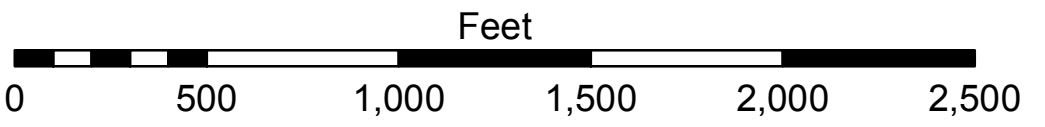
Obstruction at RM 136.0 (9/8/2021)  
 200'L x 40'W x 10' tall  
 Latitude = 30 02 40.7 N  
 Longitude = 90 31 34.0 W  
 Shoalest Elevation = -52.2' LWRP



LEGEND		0' and above	
--- Federal Navigation Channel	○ Cable Area	0' to -5'	
— Federal Navigation Center Line	□ Placement Area	-5' to -10'	
— As-built Pipeline/Cable	□ Anchorage Area	-10' to -20'	
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	-20' to -30'	
— Project Depth Contour	⚓ Wrecks-Submerged	-30' to -35'	
	★ Beacon, General	-35' to -40'	
	◆ Red Navigation Buoy	-40' to 45'	
	◆ Green Navigation Buoy	-45' and below	
	◆ Shoaling Area		
	◆ Shoalest Sounding**		



LWRP: 1.0  
 Gage Reading: R:18.7NO:12.8 USED:18.2 NAVD  
 Sea Conditions: CHOP  
 Vessel Name: OB-169  
 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 (via 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.  
 2017 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.



**DISCLAIMER:**  
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the information. The user is responsible for the results obtained from the application of the data for other than its intended purpose.  
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to eroding banks, shifting sandbars, and other changes in the hydrographical conditions which develop after the date of the survey. The user is responsible for the results of the information depicted on the map represents the results of a survey conducted at that time. The recipient may not transfer these data to others without also transferring this Disclaimer.

Submitted:	Surveyed By: SPPM
Recommended:	Plotted By: AO
Approved:	Checked By: AC

Other: Waterways Maintenance Section

**MISSISSIPPI RIVER - B. R. TO GULF**  
**LUCY**  
**MD\_38\_LUCY\_20210325\_CS**  
**25 March 2021**

**Sheet Reference Number**  
**38 of 97**

Revision Number:  
 4.1-20191105