

Obstruction at RM 110 (9/3/2021)
 Latitude = 29 56 02.6 N
 Longitude = 90 13 00.2 W
 SHOALEST ELEV = -75.7 LWRP

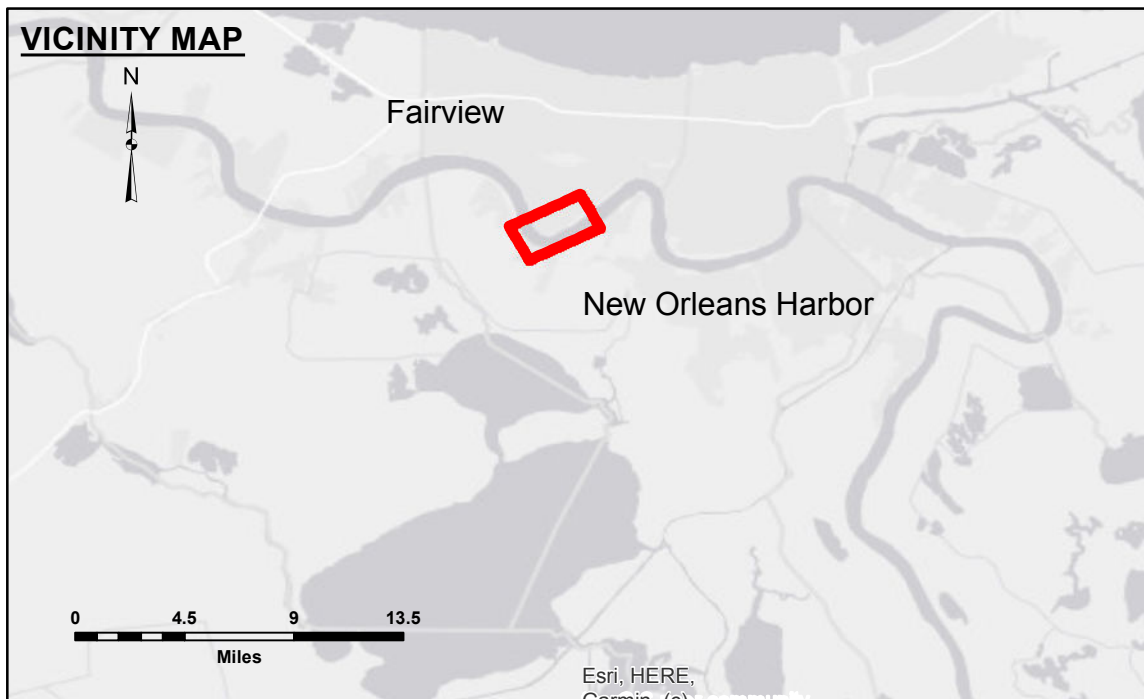
Obstruction at RM 107.0 (9/4/2021)
 Latitude = 29 55 54.4 N
 Longitude = 90 10 49.8 W
 Shoalest Elevation = -62.0' LWRP

Obstruction at RM 107.0 (9/4/2021)
 Latitude = 29 55 47.8 N
 Longitude = 90 10 53.1 W
 Shoalest Elevation = -37.0' LWRP

Obstruction at RM 109.5 (9/4/2021)
 Latitude = 29° 55' 34.5" N
 Longitude = 90° 13' 0.8" W
 SHOALEST ELEV = -87.0 LWRP

Obstruction at RM 109.0 (9/4/2021)
 Latitude = 29 55 25.8 N
 Longitude = 90 12 54.1 W
 Shoalest Elevation = -46.3' LWRP

Obstruction at RM 107.0 (9/4/2021)
 Latitude = 29 55 54.3 N
 Longitude = 90 10 46.3 W
 Shoalest Elevation = -62.1' 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 based 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.

LWRP: 0.7
 Gage Reading: R:16.8NO:11.6 USED:12.6 NAVD
 Sea Conditions: CHOP
 Vessel Name: OB-169
 Survey Type: CONDITION
 Sounding Frequency***: HIGH



DISCLAIMER:
 Distribution Liability: The data represents the results of data collection for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of the application of the data for other than its intended purpose.
 Data Constants: Hydrographic survey data is subject to change due to several factors including but not limited to changing water levels, sedimentation, and other factors. The user is responsible for the results of the application of the data for other than its intended purpose.
 The information depicted on this map represents the results of a survey conducted on the date of the survey. It is not intended to represent the general condition existing at that time.

Submitted:	Checked By:	AC
Recommended:	Plotted By:	AO
Approved:	Chief, Waterways Maintenance Section	AC

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF
 AVONDALE BEND - SHEET 2
 MD_50_AV2X_20210317_CS
 17 March 2021**

**Sheet Reference Number
 50 of 97**