

Obstruction at RM 93.5 (9/5/2021)
50'L x 20'W x 10' tall
Latitude = 29 57 27.2 N
Longitude = 90 02 34.9 W
Shoalest Elevation = -84.2' LWRP

Obstruction at RM 93.5 (9/5/2021)
100'L x 25'W x 10' tall
Latitude = 29 57 34.9 N
Longitude = 90 02 29.3 W
Shoalest Elevation = -111.3' LWRP

Obstruction at RM 93.0 (9/5/2021)
100'L x 30'W x 15' tall
Latitude = 29 57 29.2 N
Longitude = 90 02 11.2 W
Shoalest Elevation = -107.1' LWRP

Obstruction at RM 92.5 (9/5/2021)
100'L x 45'W x 15' tall
Latitude = 29 57 17.5 N
Longitude = 90 01 40.8 W
Shoalest Elevation = -83.9' LWRP

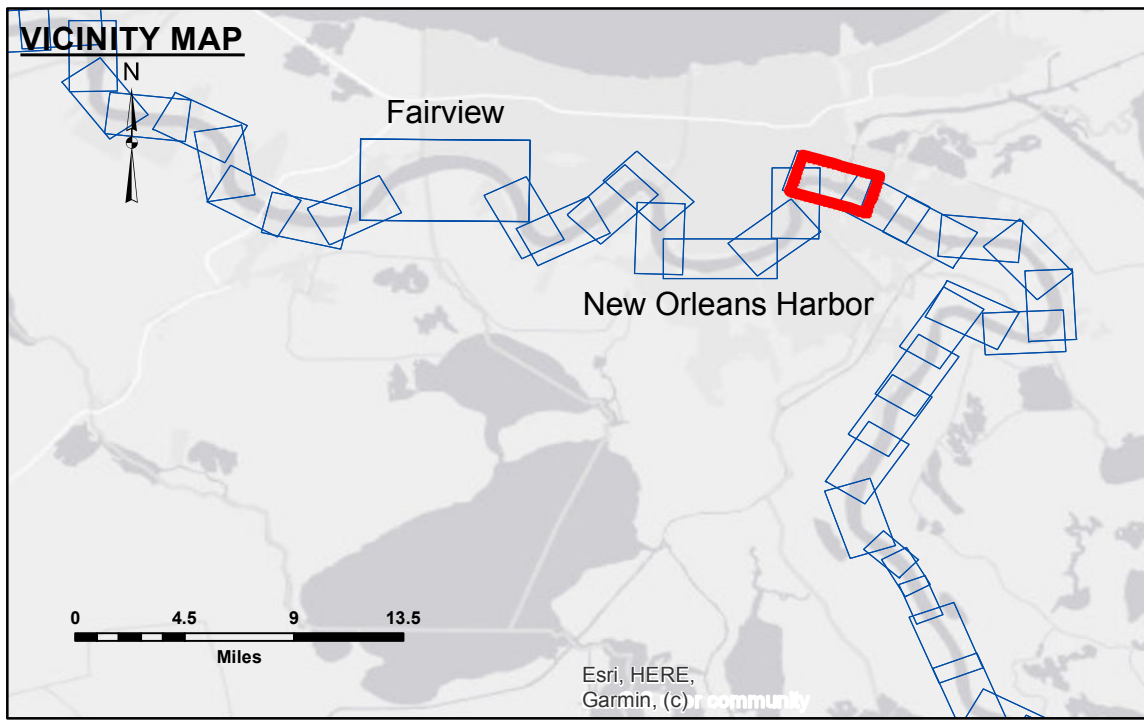
Obstruction at RM 92.5 (9/5/2021)
200'L x 40'W x 10' tall
Latitude = 29 57 08.5 N
Longitude = 90 01 23.5 W
Shoalest Elevation = -75.7' LWRP

Obstruction at RM 93.5 (9/5/2021)
50'L x 35'W x 20' tall
Latitude = 29 57 25.8 N
Longitude = 90 02 26.9 W
Shoalest Elevation = -69.2' LWRP

Obstruction at RM 93.0 (9/5/2021)
140'L x 40'W x 15' tall
Latitude = 29 57 20.9 N
Longitude = 90 02 00.3 W
Shoalest Elevation = -77.6' LWRP

Obstruction at RM 93.0 (9/5/2021)
100'L x 40'W x 20' tall
Latitude = 29 57 24.3 N
Longitude = 90 01 53.0 W
Shoalest Elevation = -99.9' LWRP

Obstruction at RM 92.5 (9/5/2021)
100'L x 40'W x 10' tall
Latitude = 29 57 06.6 N
Longitude = 90 01 25.0 W
Shoalest Elevation = -63.7' LWRP



LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- ⊗ Obstruction Point
- ⊗ Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding**
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◆ 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' 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 bathymeter settings.

LWRP: 0.5
Gage Reading: H:10.31H:9.1 USED:9.2 NAVD
Sea Conditions: SMOOTH
Vessel Name: LAFORUCHE
Survey Type: CS
Sounding Frequency***: HIGH



DISCLAIMER: The data represented on this map is the result of a collection of data for a specific US Army Corps of Engineers project. The data is only valid for its intended use, and the user is responsible for the accuracy, reliability, and availability of the data for any other purpose. The user is responsible for the accuracy, reliability, and availability of the data for any other purpose. The user is responsible for the accuracy, reliability, and availability of the data for any other purpose.

Submitted:	Surveyed By: D/S/SPS
Recommended:	Plotted By: AC
Approved:	Checked By: AC

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF
THIRD DISTRICT REACH - SHEET 1
MD_57_TDX_20210513_CS
13 May 2021**

**Sheet Reference Number
57 of 97**