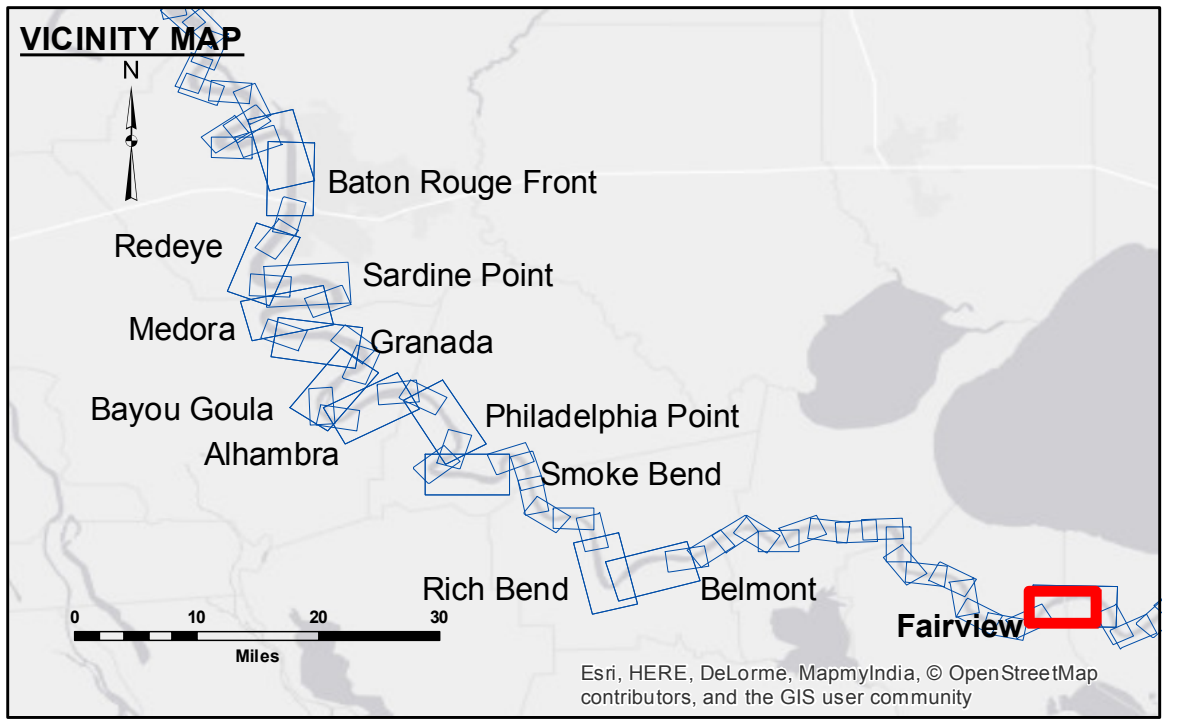


DISCLAIMER
 The data represented on this map is the result of a collection of data for a specific project. The user is responsible for the accuracy, reliability, and availability of the data for their intended use. The user is responsible for the accuracy, reliability, and availability of the data for their intended use. The user is responsible for the accuracy, reliability, and availability of the data for their intended use.

| | |
|--------------|--------|
| Submitted: | DR, JA |
| Recommended: | BT, D |
| Approved: | MSK |

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B. R. TO GULF
 FAIRVIEW RECON
 MR_48_FRV_20160322
 22 March 2016**



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

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 (NGVD).
 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.
 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.

*** 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: 1.1
 Gage Reading: R:21.5 NO:15.17 USED:17.40 NGVD
 Sea Conditions: CALM
 Vessel Name: OB-167
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

0 500 1,000 1,500 2,000 2,500 Feet