

**DISCLAIMER:** The data represents the results of data collection/processing by a specific US Army Corps of Engineers activity and includes the general existing conditions. As such, the user accepts responsibility for the use and accuracy of the data. The user is responsible for the results of any of the application of the data to other than its intended purpose.

**Data Conditions:** Hydrographic data is subject to change rapidly due to several factors including, but not limited to dredging operations, sand shoaling and scouring processes. The user is responsible for the use and accuracy of the data.

**Disclaimer:** The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered up-to-date in the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS	
NEW ORLEANS DISTRICT	
Surveyed By:	DJS/SPS
Submitted:	
Printed By:	BT
Recommended:	Chief Survey Section
Approved:	Chief Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF**  
**PHILADELPHIA POINT RECON**  
**MR\_19\_PHP\_20160524**  
**24 May 2016**

**NOTES:**

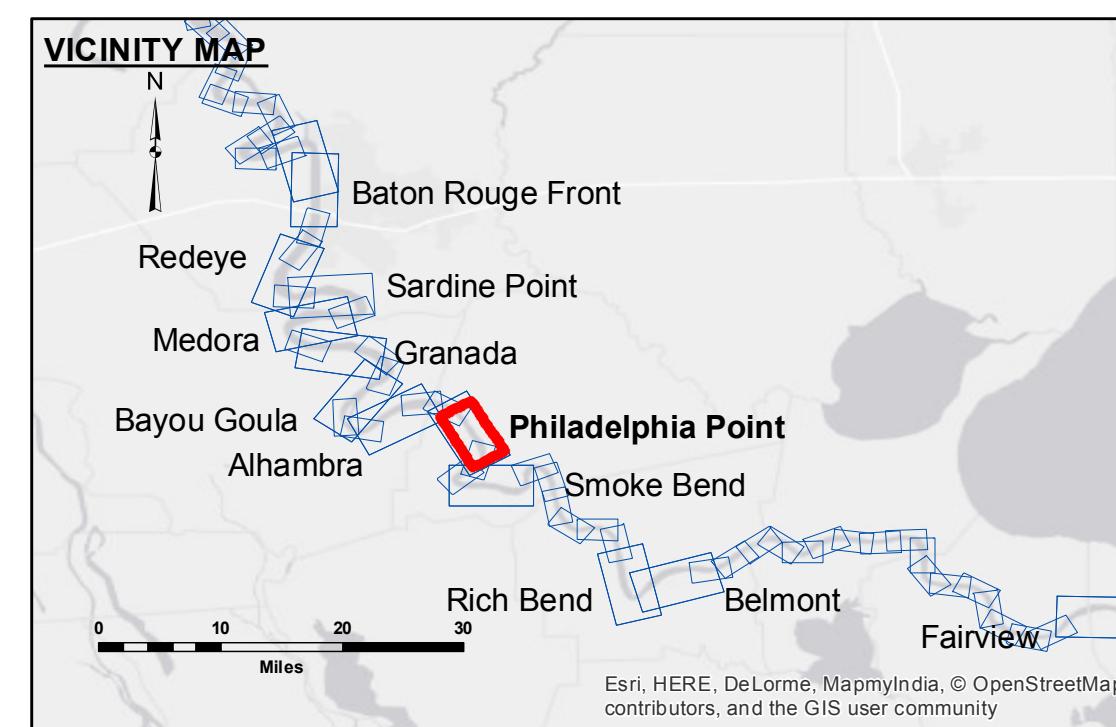
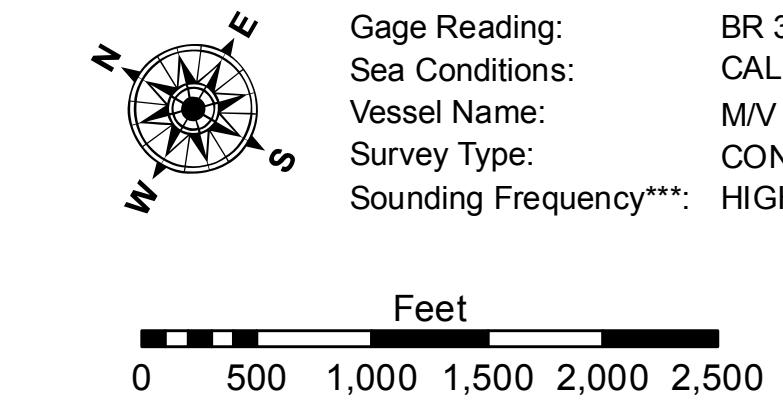
Horizontal Coordinate System:  
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.

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 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.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.

**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
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◆ Green Navigation Buoy
- Borrow Area
- Shoalest Sounding\*\*
- ◆ Anchorage Area
- ◆ Obstruction Point
- ◆ Beacon, General
- ◆ Red Navigation Buoy
- ◆ Green Navigation Buoy

LWRP:  
Gage Reading: 1.5  
BR 31.2 D:21.6 USED:22.9 NGVD  
Sea Conditions: CALM  
Vessel Name: MV LAFOURCHE  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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

**Sheet Reference Number**  
**19 of 97**

Revision Number:  
3.8-0-20150202