

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and includes the general existing conditions. As such, the data is not necessarily representative of the most accurate information available. The user is responsible for the results of any use of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change due to several factors including but not limited to dredging activities and natural shoaling and scouring processes due to the hydrographic conditions at which development of the data occurred. The data is intended for U.S. Army Corps of Engineers internal use and shall not be sold or distributed outside the U.S. Army Corps of Engineers without prior approval.

U.S. ARMY CORPS OF ENGINEERS	
NEW ORLEANS DISTRICT	
Surveyed By:	JDH/SPS
Submitted:	
Reviewed:	One Survey Section
Approved:	One Waterways Maintenance Section

MISSISSIPPI RIVER - B.R. TO GULF
PHILADELPHIA POINT CROSSING
MD_19_PHP_20200708_CS
08 July 2020

NOTES:

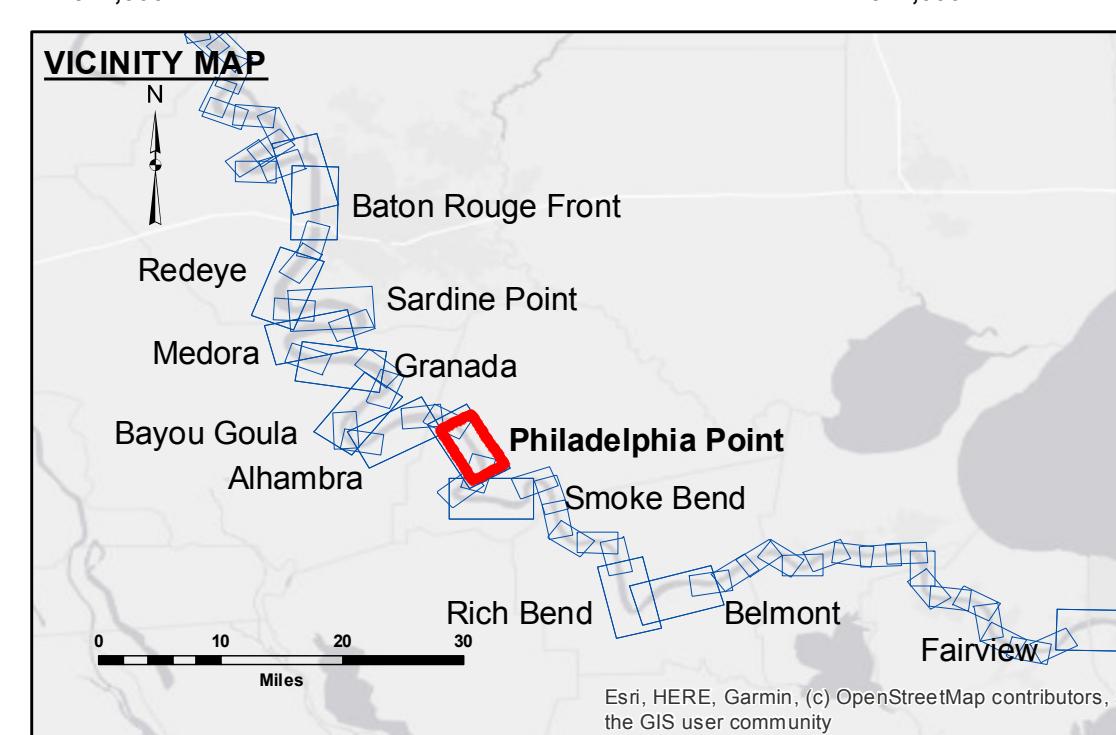
Horizontal Coordinate System: North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.

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.

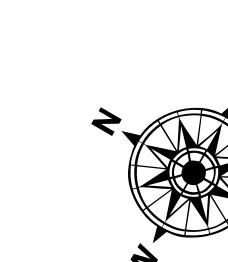
The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE crew. 2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office. Reference is N.O.A.A. Navigation Chart No. 11370.

** Shoal 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
- ☒ Wrecks-Submerged
- Borrow Area
- Shoalest Sounding**
- ★ Beacon, General
- ◆ Red Navigation Buoy
- ◆ Green Navigation Buoy



LWRP:
Gage Reading: 1.5
Sea Conditions: BR:23.5 D:14.3 USED:15.6 NAVD
Vessel Name: CALM
Survey Type: MV LAFOURCHE
Sounding Frequency***: CS
HIGH

Sheet Reference Number
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