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**Data Collection:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey conducted on the date of the survey. The information is considered to represent the general condition existing at that time.

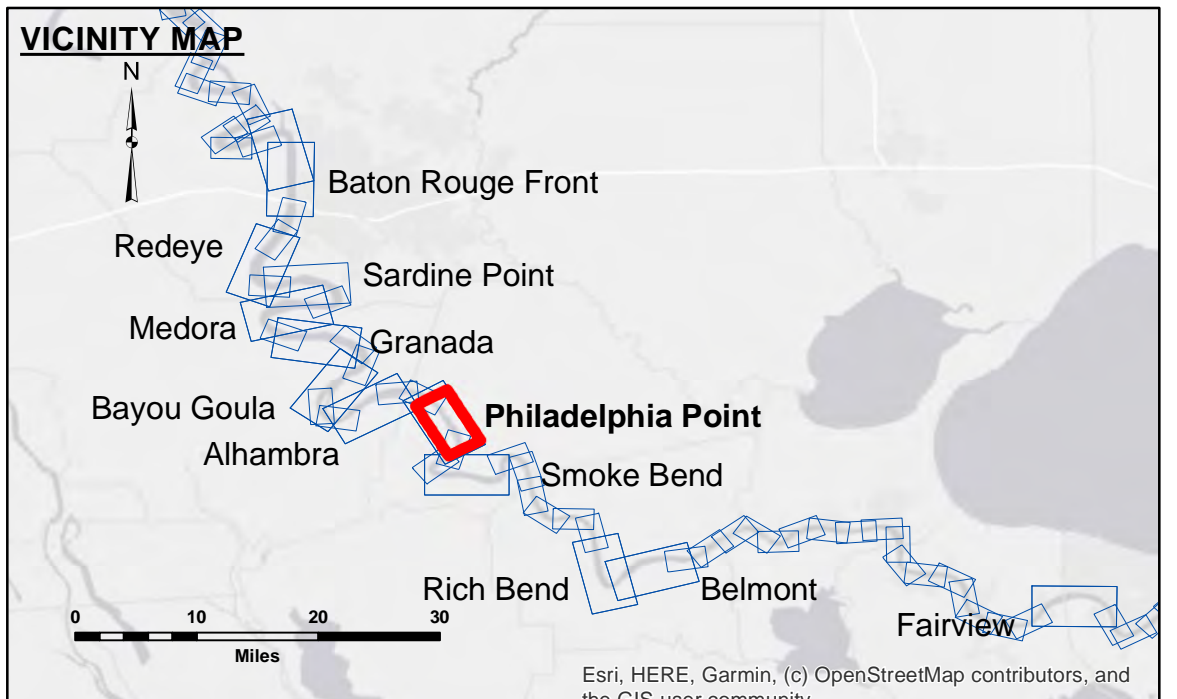
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Checked By:	Plotted By:
Approved:	AD/JH

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

**MISSISSIPPI RIVER - B.R. TO GULF  
PHILADELPHIA POINT CROSSING  
MD\_19\_PHP\_20240412\_CS  
12 April 2024**

**Sheet Reference Number  
19 of 97**

Revision Number:  
4.2-20240428



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 (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.

2015 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: 1.5  
Gage Reading: BR:21.8 D:12.1 USED:13.8 NAVD88  
Sea Conditions: CALM  
Vessel Name: M/V VALENTOUR  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

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

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