

DISTRIBUTION LIABILITY: 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, understanding that the US Government makes no warranty, express or implied, to the general existing conditions as such, and that the data is provided for the use of the United States Government only as an information resource. The United States shall not be liable for damages resulting from the use of any portion of the data furnished. The user is responsible for the results of any application of the data for other than its intended purpose.

DATA CONSTRAINTS: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging and sand mining, flooding and scouring processes, and the hydrographic conditions which develop over time.

The data is intended for U.S. Army Corps of Engineers internal use. Please submit comments to the Data Manager.

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

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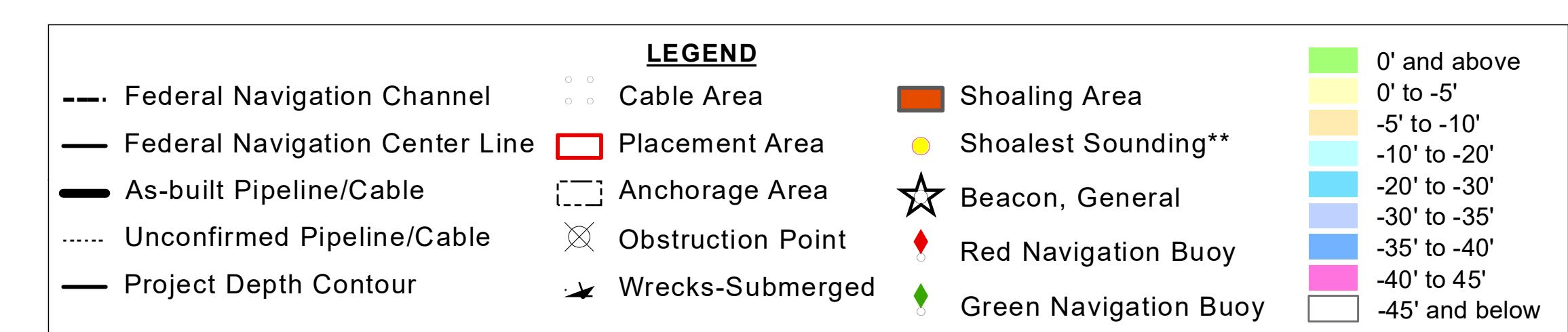
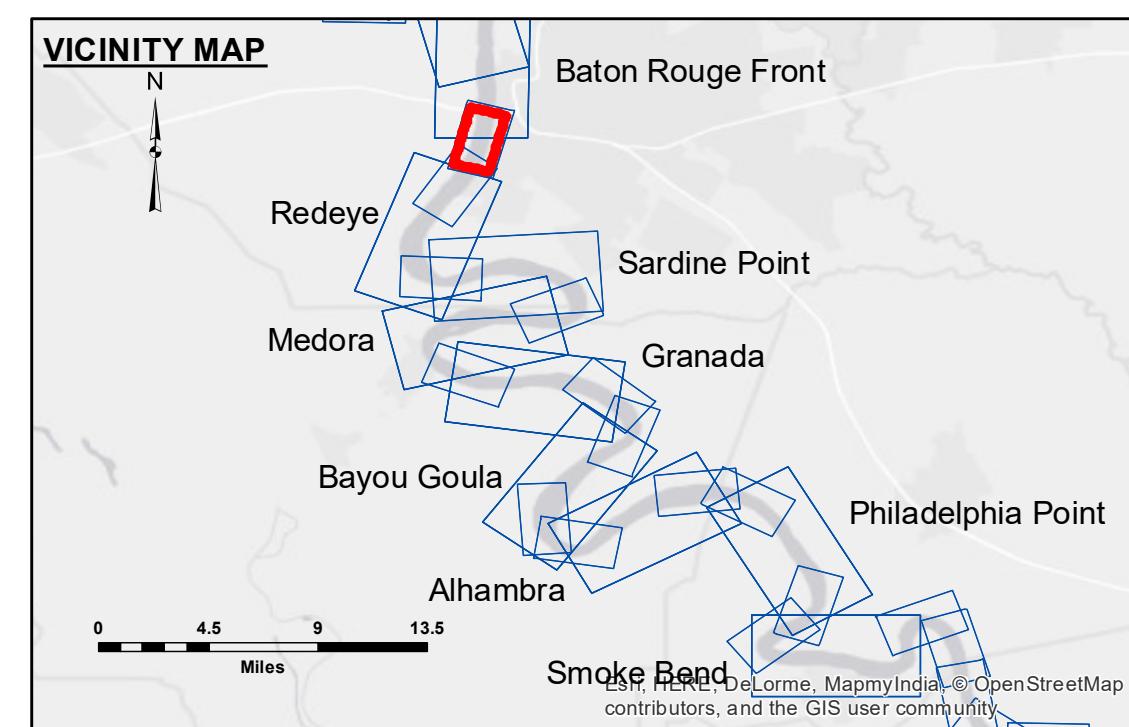
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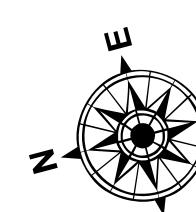
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**LWRP:** BR.6.8D:4.5 USED:6.70NGVD  
**Gage Reading:** 2.7  
**Sea Conditions:** CALM  
**Vessel Name:** MV OB189  
**Survey Type:** CONDITION  
**Sounding Frequency\*\*\*:** HIGH



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.

**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.

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