



**LEGEND**

— Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ 0' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ 0' to -5'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -5' to -10'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -10' to -20'
— Project Depth Contour	✈ Wrecks-Submerged	◆ Green Navigation Buoy	■ -20' to -30'
			■ -30' to -35'
			■ -35' to -40'
			■ -40' to -45'
			■ -45' and below

**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.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 bathymeter settings.

LWRP: 2.6  
Gage Reading: BR:35.4 D:25.39 USED:34.60 NGVD  
Sea Conditions: CALM  
Vessel Name: OB-189  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

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



**ACCESS NOTES**

The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than the specific use for which they were prepared. The user is responsible for the reliability, usability or suitability for any particular purpose of the data. The user is responsible for the accuracy, completeness, and timeliness of the data. The user is responsible for the application of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and timeliness of the data. The user is responsible for the application of the data for other than its intended purpose.

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**DATA COLLECTION:** Data Collection Hydrographic survey data is subject to change due to several factors including but not limited to dredging, sedimentation, and changes in the hydrographical conditions which develop after the date of collection. The user is responsible for the accuracy, completeness, and timeliness of the data. The user is responsible for the application of the data for other than its intended purpose.

The information depicted on this map represents the results of a survey conducted on the date indicated. The user is responsible for the accuracy, completeness, and timeliness of the data. The user is responsible for the application of the data for other than its intended purpose.

Submitted:	Checked:	Approved:
DR,JA	BTJ	MSK
U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		

**MISSISSIPPI RIVER - B.R. TO GULF  
REDEYE CROSSING  
MR\_04\_RED\_20160203  
03 February 2016**

**Sheet Reference Number  
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