



**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

**LWRP:** 2.8  
**Gage Reading:** BR:35.8 USED: 36.25 NGVD  
**Sea Conditions:** CALM  
**Vessel Name:** M/V OB 189  
**Survey Type:** CONDITION  
**Sounding Frequency\*\*\*:** HIGH

**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 bathymeter settings.



**ACCESSORIES:**  
Accessories: The United States Government furnishes these data and the recipient accepts and uses them with the express warranty, usability or suitability for any particular purpose of the recipient. The user is responsible for the results. The user shall not be held liable for any damage or injury resulting from the use of these data for other than its intended purpose.

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**Data:** Current hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and channel migration. The user is responsible for the results of these data for other than its intended purpose. The user shall not be held liable for any damage or injury resulting from the use of these data for other than its intended purpose.

The information depicted on this map represents the results of a survey conducted on the date indicated. It is not to be considered a representation of the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

Submitted:	Checked By:
Recommended:	MSK
Surveyed By:	DR,JA
Plotted By:	BTD
Checked By:	MSK

**MISSISSIPPI RIVER - B.R. TO GULF**  
**BATON ROUGE FRONT RECON**  
**MR\_01\_BRF\_20160202**  
**02 February 2016**

**Sheet Reference Number**  
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