



**LEGEND**

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Placement Area
- Borrow Area
- Shoalest Sounding\*\*
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy
- Cable Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- 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

**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. 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: 1.4  
Gage Reading: BR:29.2D:19.9 USED:19.80 NGVD  
Sea Conditions: CALM  
Vessel Name: M/V OB189  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

**Scale:** 0 500 1,000 1,500 2,000 2,500 Feet



**DISCLAIMER:** The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, either expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information furnished. The user is responsible for the results of 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 of the survey and is not intended to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: DR, SP
Recommended: Chief Survey Section	Plotted By: AO
Approved: Chief Waterways Maintenance Section	Checked By: MK

**MISSISSIPPI RIVER - B.R. TO GULF  
SMOKE BEND RECON  
MR\_22\_SMB\_20160602  
02 June 2016**

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**Sheet  
Reference  
Number  
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