



LEGEND		
--- Federal Navigation Channel	○ Cable Area	■ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy
		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

LWRP: 0.0  
 Gage Reading: AL: 8.89 A: 6.62 USED: 8.60 NGVD  
 Sea Conditions: CHOPPY  
 Vessel Name: OB-167  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: HIGH

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

**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.



**Access/Availability:** 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 agrees to indemnify the United States Government from any claims, damages, losses, or expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of these data. The information depicted on this map represents the results of a survey conducted at the time of the survey. The information is not intended to represent the general condition existing at that time.

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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: SPPM
Recommended: Chief, Survey Section	Plotted By: BTD
Approved: Chief, Waterways Maintenance Section	Checked By: MSK

**MISSISSIPPI RIVER - B. R. TO GULF**  
**POYDRAS**  
**MD\_61\_PVD\_20160301**  
**01 March 2016**

**Sheet Reference Number**  
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