



LEGEND			
	Federal Navigation Channel		Cable Area
	Federal Navigation Center Line		Placement Area
	As-built Pipeline/Cable		Anchorage Area
	Unconfirmed Pipeline/Cable		Obstruction Point
	Project Depth Contour		Beacon, General
			Red Navigation Buoy
			Green Navigation Buoy
			Shoaling Area
			Shoalest Sounding**
			0' and above
			0' to -5'
			-5' to -9'
			-9' and below

**North Arrow**  
**Scale**: 0 300 600 900 1,200 1,500 Feet  
**LWRP**: 15.3  
**Gage Reading**: KL:38.8RR:36.5 USED:38.5 NGVD  
**Sea Conditions**: CALM  
**Vessel Name**: M/V OB189  
**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 USACE IENC U35LM236.  
 \*\*\* 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.



**Access/Availability:** The data represents the results of data collection processing for a specific US Army Corps of Engineers project and is only valid for its intended use. Accuracy, time and accuracy specifications. The user is responsible for the results of the 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 operations, channel migration, and other factors. Users should verify the hydrographic conditions when developing after the date of the information depicted on this map represents the results of a general condition existing at that time.

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

**MISSISSIPPI RIVER - SHALLOW DRAFT**  
**OLD RIVER CONTROL**  
**MS\_07\_OLD\_20160623**  
**23 June 2016**

**Sheet Reference Number**  
**7 of 39**