



**LEGEND**

--- Federal Navigation Channel	○ Cable Area	■ Shoaling 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 -9'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	□ -9' and below
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	

**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.

LWRP: 15.3  
Gage Reading: KNX:33.0RRL:30.8 USED:32.7 NGVD  
Sea Conditions: SMOOTH  
Vessel Name: OB189  
Survey Type: CS  
Sounding Frequency\*\*\*: HIGH

US Army Corps of Engineers  
District: CEMVN

**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, express or implied, regarding the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user is responsible for the results of the application of the data for other than its intended purpose. The data is provided for informational purposes only. The user is responsible for the results of the application of the data for other than its intended purpose. The data is provided for informational purposes only. The user is responsible for the results of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT			
Submitted:	Surveyed By: DS/JA	Plotted By: AO	Checked By: AO
Recommended:	Chart Survey Section		
Approved:	Chart Waterways Maintenance Section		

MISSISSIPPI RIVER - SHALLOW DRAFT  
OLD RIVER CONTROL  
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