



**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: 2.4  
 Gage Reading: BR:38.4 D:27.98 USED:36.6 NGVD  
 Sea Conditions: ROUGH  
 Vessel Name: M/V 189  
 Survey Type: CONDITION  
 Sounding Frequency\*\*: HIGH

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.

**NOTES:**

Distribution Liability: The data represents the results of data collection processing for a specific US Army Corps of Engineers project. The user is responsible for its intended use, content, time and accuracy specifications. The user is responsible for the results of the data for other than its intended purpose. 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, sedimentation, channel migration, and changes in the hydrographic conditions when developed after the date of the survey. The user is responsible for the results of the data for other than its intended purpose. The user is responsible for the results of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT

Submitted:	Surveyed By:
Recommended:	DS, JH
Approved:	Plotted By:
Checked By:	BITD
Checked By:	MSK

**MISSISSIPPI RIVER - B.R. TO GULF**  
**SARDINE POINT RECON**  
**MR\_06\_SDP\_20160321**  
**21 March 2016**

**Sheet Reference Number**  
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