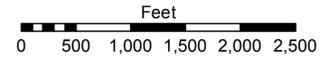
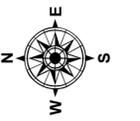


LEGEND

--- 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: 2.8
 Gage Reading: BR:35.8 USED: 36.25 NGVD
 Sea Conditions: CALM
 Vessel Name: M/V OB 189
 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 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.



ACCESSORIES:
 Access: Coastlines. 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. The user is responsible for the results. The user shall indemnify, defend and hold the Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by the Government because of the use of the information. The user shall not disseminate or otherwise make available to any person by reason of any use under no liability whatsoever to the Government. Therefore the Government provides this information "as is" without any warranty of any kind, either expressed or implied, and the user shall accept the information as is. The information depicted on this map represents the results of a survey conducted by the Corps of Engineers and is not to be used for any purpose other than that for which it was intended. The user shall not disseminate or otherwise make available to any person by reason of any use under no liability whatsoever to the Government. Therefore the Government provides this information "as is" without any warranty of any kind, either expressed or implied, and the user shall accept the information as is. The information depicted on this map represents the results of a survey conducted by the Corps of Engineers and is not to be used for any purpose other than that for which it was intended. The user shall not disseminate or otherwise make available to any person by reason of any use under no liability whatsoever to the Government. Therefore the Government provides this information "as is" without any warranty of any kind, either expressed or implied, and the user shall accept the information as is.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Checked By:
Recommended:	MSK
Approved:	

**MISSISSIPPI RIVER - B.R. TO GULF
 BATON ROUGE FRONT RECON
 MR_01_BRF_20160202
 02 February 2016**

**Sheet Reference Number
 1 of 97**