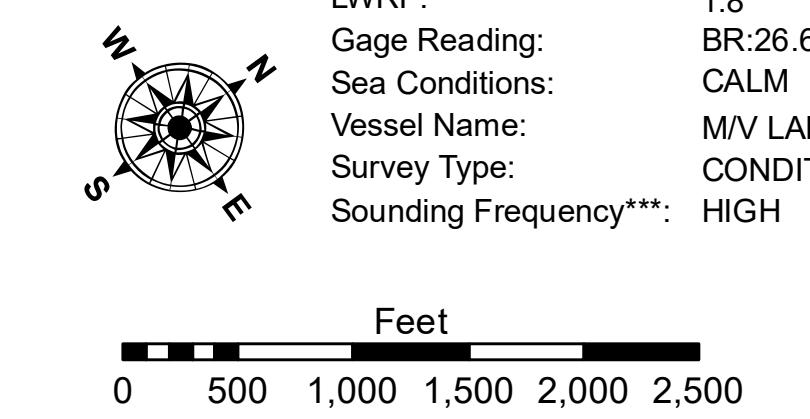


LEGEND	
— Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Unconfirmed Placement Area
..... Unconfirmed Pipeline/Cable	— Anchorage Area
— Project Depth Contour	★ Beacon, General
	⊗ Obstruction Point
	◆ Wrecks-Submerged
	■ Borrow Area
	● Shoalest Sounding**
	■ -5' to -10'
	■ -10' to -20'
	■ -20' to -30'
	■ -30' to -35'
	■ -35' to -40'
	■ -40' to -45'
	■ -45' and below
	◆ 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. 2015 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 fathometer settings.

Sheet Reference Number
13 of 97

Revision Number:
3.12-20160811

US Army Corps of Engineers District: CEMVN

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U.S. ARMY CORPS OF ENGINEERS	NEW ORLEANS DISTRICT
Surveyed By:	JHPS
Submitted:	
Recommended:	One Survey Section
Approved:	One Waterways Maintenance Section

MISSISSIPPI RIVER - B.R. TO GULF
BAYOU GOULA RECON
MR_13_GOU_20181016_CS
16 October 2018