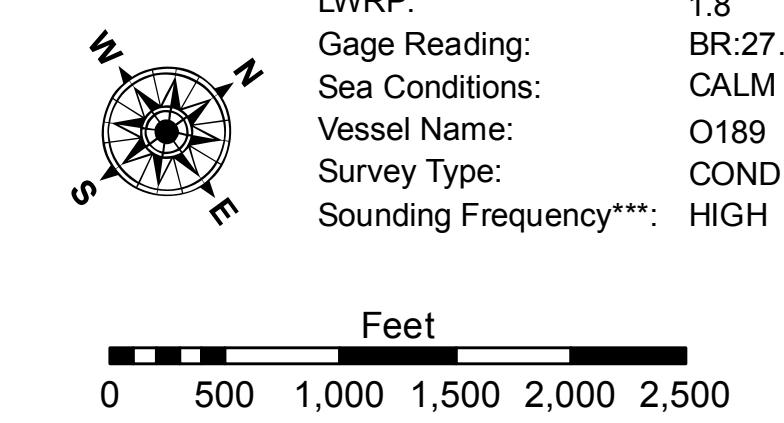


LEGEND

--- 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



ES:

Horizontal Coordinate System:
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:
Elevations 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
in one mile intervals.

Location of navigation aids are base on and provided by the U.S. Coast Guard and USACE crew.

Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.
Reference is N.O.A.A. Navigation Chart No. 11370.

g frequency (200 kHz) survey data represents the first signal return at a sounding
on and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz)
y data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom
rial. Low frequency accuracies may vary depending on channel conditions and fathometer
gs.

The logo consists of a red square containing a white stylized castle or fort icon. To the right of the square is the text "US Army Corps of Engineers" stacked in two lines, followed by "District: CEMVN" in a larger font. A registered trademark symbol (®) is located to the right of the corps name.

Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any particular purpose of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government provided data. The recipient may not transfer these data to others without also transferring this Disclaimer.	Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any 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 activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Prudent mariners should not rely solely upon it.
		The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

<p>C. A. WILSON & CO., ENGINEERS NEW ORLEANS DISTRICT</p> <hr/> <p>Submitted: _____</p>	<p>Surveyed By: RYLAND/ADAMS</p> <hr/> <p>Recommended: _____</p> <p>Chief, Survey Section</p>	<p>Plotted By: BD</p> <hr/> <p>Approved: _____</p> <p>Chief, Waterways Maintenance Section</p>	<p>Checked By: AO</p> <hr/>
--	--	---	--

MISSISSIPPI RIVER - B.R. TO GULF
BAYOU GOULA RECON
MR_13_GOU_20170628
28 June 2017

Sheet Reference Number