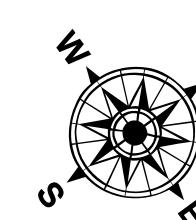


LEGEND

— 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: 1.8
 Gage Reading: BR:32.
 Sea Conditions: CALM
 Vessel Name: M/V BU
 Survey Type: COND
 Sounding Frequency***: HIGH

Feet

0 500 1,000 1,500 2,000 2,500

ES:

ontal 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.

cal Datum:
ddings are shown in feet and indicate depths below Low Water Reference Plane 2007 (NGVD).

nces on the Mississippi River, above and below Head of Passes are shown
mile intervals.

ocation 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.

rence is N.O.A.A. Navigation Chart No. 11370.

oalest Sounding per Quarter per Reach.

igh 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 shield-shaped border containing a white castle-like silhouette with three towers and a central archway. Below the shield is a registered trademark symbol (®). To the right of the shield, the text "US Army Corps of Engineers" is written in a bold, black, sans-serif font, with "of Engineers" on one line. Below this, the text "District: CEMVN" is also in a bold, black, sans-serif font.

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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.

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.

NEW ORLEANS DISTRICT		
Submitted:		Surveyed By: RYLAND/ADAMS ____
Recommended:	Chief, Survey Section	Plotted By: BD ____
Approved:	Chief, Waterways Maintenance Section	Checked By: AO ____

MISSISSIPPI RIVER - B.R. TO GULF
BAYOU GOULA CROSSING
MD_13_GOU_20170622_CS

**Sheet
Reference
Number**