



The logo consists of a red square containing a white stylized castle or fort icon. Below the square is a registered trademark symbol (®). To the right of the logo, the text "US Army Corps of Engineers" is stacked in two lines, and "District: CEMVN" is on a separate line below it.

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U.S. ARMY COPRPS OF ENGINEERS NEW ORLEANS DISTRICT		Submitted: _____	Surveyed By: RYLAND/ADAMS _____
		Recommended: <u>Chief, Survey Section</u>	Plotted By: BD _____
		Approved: <u>Chief, Waterways Maintenance Section</u>	Checked By: AO _____

MISSISSIPPI RIVER - B.R. TO GULF
GRANADA CROSSING
MD_10_GRA_20170622_CS
22 June 2017

OTES:

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:
Bathymetric 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
in one mile intervals.

The 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.

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.

