



LEGEND

--- Federal Navigation Channel	○ Cable Area	■ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy

LWRP: 0.4
 Gage Reading: ALLIANCE: 2.22 AV NAVD88
 Sea Conditions: CALM
 Vessel Name: OB-167
 Survey Type: MB
 Sounding Frequency***: 400KHZ

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 (LWRP07).
 Datum Relationships for Alliance (0.0' Gage Datum = 0.0' NAVD88 (2009.55) = 0.71' NGVD29 = -0.4' LWRP07)

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Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.

The location of navigation aids are based 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. 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.

US Army Corps of Engineers
 District: CEMVN

DISCLAIMER:

The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended by the U.S. Army Corps of Engineers.

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: PM/AO
Recommended:	Plotted By: BD
Approved:	Checked By: AD/JH

Chief, Waterways Maintenance Section

MISSISSIPPI RIVER - B.R. TO GULF
 SALT WATER BARRIER, BORROW 1
 MD_72_SB3_20230926_PR_3X3
 26 September 2023

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