



LWRP: 0.4
 Gage Reading: ALLIANCE RTK: 2.29 AV NAVD88
 Sea Conditions: CALM
 Vessel Name: OB-169
 Survey Type: MB
 Sounding Frequency***: 400/200KHZ

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)

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. 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.



DISCLAIMER

The data represented on this map is the result of a collection of data for a specific US Army Corps of Engineers project. It is not intended for use in any other project or for any other purpose. The user is responsible for the accuracy, completeness, and reliability of the data. The user is also responsible for the application of the data for other than its intended purpose.

Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, changing bathymetry, sedimentation, and other factors. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of the survey. The Corps of Engineers does not warrant the accuracy of the data for any other use. Problem matters should not rely upon it.

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|---------------|----------------------|-------------------------------------|
| Submitted: | Reviewed: | Checked: |
| | Chief Survey Section | Chief Waterways Maintenance Section |
| Submitted By: | Plotted By: | Checked By: |
| PM/AO | BD | AO/JH |

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

MISSISSIPPI RIVER - B.R. TO GULF
SALT WATER BARRIER, BORROW 1
 MD_72_SB3_20240129_CS_3X3
 29 January 2024

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