



LWRP: 0.4  
 Gage Reading: ALLIANCE: 1.13 NAVD88 AV  
 Sea Conditions: CHOPPY  
 Vessel Name: OB-169  
 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)  
 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.



**Distribution Liability:** The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results. The user is responsible for the application of the data for other than its intended purpose.  
 Data Collection: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing bathymetry, sedimentation, and other factors. The user is responsible for the hydrographical conditions which develop after the date of the survey. The user is responsible for the data. The user is responsible for the data. The user is responsible for the data.  
 The information depicted on this map represents the results of a survey conducted on or about the date indicated. It is not to be considered to represent the general condition existing at that time.

Submitted:	Reviewed:	Approved:
Submitted By:	Reviewed By:	Approved By:
Submitted:	Reviewed:	Approved:
Submitted By:	Reviewed By:	Approved By:

**MISSISSIPPI RIVER - B.R. TO GULF  
 SALT WATER BARRIER, BORROW 1  
 MD\_72\_SB3\_20231114\_CS\_3X3  
 14 November 2023**

**Sheet Reference Number  
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 4.2-20230428