



LWRP: N/A  
 Gage Reading: 2.16 NAVD88  
 Sea Conditions: CALM  
 Vessel Name: DUCARPE  
 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.



**DISCLAIMER:** The data represented on this map is the result of a survey conducted for a specific purpose and is not intended for use in any other application. The user is responsible for the accuracy, completeness, and reliability of the data for their intended purpose. The Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data for any other purpose. The Corps of Engineers does not accept any responsibility for changes in the hydrographical conditions which develop after the date of the survey. The Corps of Engineers does not accept any responsibility for changes in the hydrographical conditions which develop after the date of the survey. The Corps of Engineers does not accept any responsibility for changes in the hydrographical conditions which develop after the date of the survey.

Submitted:	Reviewed:	Approved:
Chief Survey Section	Chief Survey Section	Chief Waterways Maintenance Section
Submitted By: PM, LT	Plotted By: BD	Checked By: ADJH

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

MISSISSIPPI RIVER - B.R. TO GULF  
 SALT WATER BARRIER, BORROW 1  
 MD\_72\_SB3\_20241011\_CS\_3X3

11 October 2024

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