



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

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 National Geodetic Vertical Datum of 1929 (NGVD29).

Datum Relationships for Alliance (0.0' Gage Datum = 0.0' NAVD88 (2009.55) = 0.71' NGVD29)

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 fathometer settings.

LWRP: N/A
Gage Reading: 2.28 NAVD88 (2009.55)
Sea Conditions: CALM
Vessel Name: OB167
Survey Type: MB
Sounding Frequency***: 400KHZ

0 500 1,000 1,500 Feet

US Army Corps of Engineers
District: CEMVN

DISCLAIMER: The data represented on this map is the result of data collection for a specific US Army Corps of Engineers project. It is not intended for any other use, and its use for any other purpose is at the user's own risk. The user is responsible for the results of any use of this data. The user should consult the appropriate technical manual for the application of the data for their intended purpose.

DATA: The data represented on this map is the result of a survey conducted by the US Army Corps of Engineers. The data is subject to change due to several factors including, but not limited to, changes in the hydrographic conditions which develop after the date of the survey, changes in the bathymetry of the area, and changes in the internal use. Prudent users should not rely solely on this data.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: PM, SR
Recommended:	Plotted By: AO
Approved:	Checked By: AO

Chief, Survey Section
Chief, Waterways Maintenance Section

**MISSISSIPPI RIVER - B.R. TO GULF
SALT WATER BARRIER, BORROW 1
MD_72_SB3_20220927_CS_10X10
27 September 2022**

**Sheet Reference Number
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