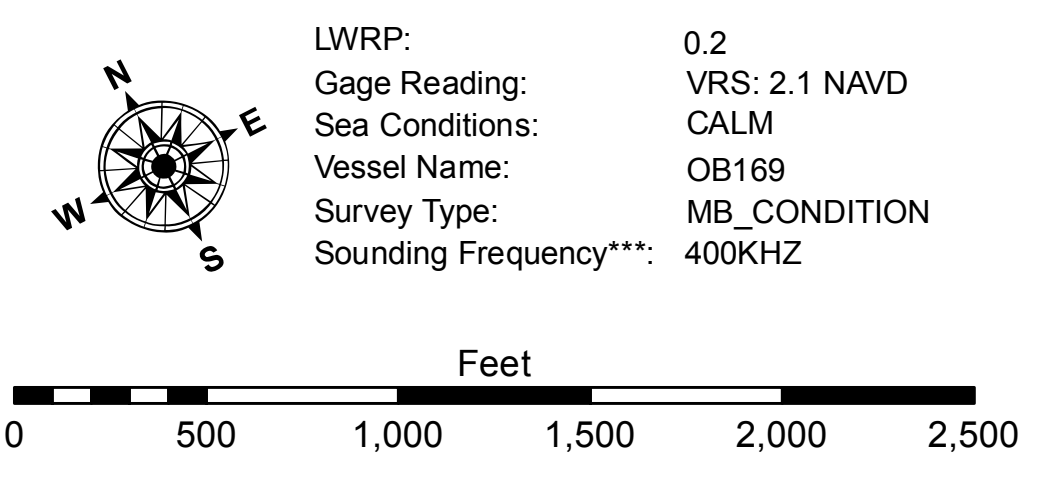


LEGEND	
--- Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	⊗ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	⚓ Wrecks-Submerged
■ Shoaling Area	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
☆ Beacon, General	◆ Green Navigation Buoy
■ Shoaling Area	■ 0' and above
● Shoalest Sounding**	■ 0' to -5'
☆ Beacon, General	■ -5' to -10'
◆ Red Navigation Buoy	■ -10' to -20'
◆ Green Navigation Buoy	■ -20' to -30'
■ 0' and above	■ -30' to -35'
■ 0' to -5'	■ -35' to -40'
■ -5' to -10'	■ -40' to 45'
■ -10' to -20'	■ -45' to 50'
■ -20' to -30'	■ -50' and below
■ -30' to -35'	
■ -35' to -40'	
■ -40' to 45'	
■ -45' to 50'	
■ -50' and below	



LWRP: 0.2
 Gage Reading: VRS; 2.1 NAVD
 Sea Conditions: CALM
 Vessel Name: OB169
 Survey Type: MB_CONDITION
 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 (NAVD).
 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.
 2017 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.
 Reference is N.O.A.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 United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not warranted for any purpose other than that for which they were prepared. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall indemnify and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the data for other than the intended purpose.
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. The data is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall indemnify and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the data for other than the intended purpose.
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, channel migration, and changes in bathymetry. The Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of the survey. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall indemnify and hold the United States Government harmless from and against all claims, damages, losses and expenses, including reasonable attorneys' fees, that may be incurred by the United States Government as a result of the use of the data for other than the intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SPSR	Plotted By: AO
Recommended: Chief, Survey Section	Checked By: AO	Checked By: AO
Approved: Chief, Waterways Maintenance Section		

**MISSISSIPPI RIVER - B.R. TO GULF
 BURAS - SHEET 2
 MD_92_BU2X_20220615_CS_5X5
 15 June 2022**

**Sheet
 Reference
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