



**LEGEND**

|                                  |                     |                         |                 |
|----------------------------------|---------------------|-------------------------|-----------------|
| --- Federal Navigation Channel   | ○ Cable Area        | ■ Shoaling Area         | ■ 0' and above  |
| — Federal Navigation Center Line | □ Placement Area    | ● Shoalest Sounding**   | ■ 0' to -5'     |
| — As-built Pipeline/Cable        | □ Anchorage Area    | ★ Beacon, General       | ■ -5' to -9'    |
| ..... Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy   | □ -9' and below |
| — Project Depth Contour          | ⚓ Wrecks-Submerged  | ◆ Green Navigation Buoy |                 |

SCALE IN FEET  
0 300 600 900 1,200 1,500

W N E S

LWRP: 6.6  
Gage Reading: RR:15.3 BR:4.4 USED: 9.80 NAVD  
Sea Conditions: CALM  
Vessel Name: M/V OB189  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

**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.  
2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.  
Reference is USACE IENC U35LM236.  
\*\* 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's 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 hydrographic conditions which develop after the date of the survey. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of the survey. The information depicted on this map represents the results of a survey conducted at the time the data was collected. It is not intended to represent the general condition existing at that time.

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| U.S. ARMY CORPS OF ENGINEERS<br>NEW ORLEANS DISTRICT |                                      |                    |
| Submitted:   | Surveyed By:<br>RYLAND/SIMMONS       | Plotted By:<br>JHI |
| Recommended:   | Chief, Survey Section                | Checked By:<br>JHI |
| Approved:  | Chief, Waterways Maintenance Section |                    |

**MISSISSIPPI RIVER - SHALLOW DRAFT**  
**BAYOU SARA**  
**MS\_24\_BYS\_20221005\_CS**  
**05 October 2022**

**Sheet Reference Number**  
**24 of 39**

Revision Number:  
4.2-20200420