



LEGEND

| | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel | ○ Cable Area | □ Borrow 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 -10' |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy | ■ -10' to -20' |
| — Project Depth Contour | ⚓ Wrecks-Submerged | ◆ Green Navigation Buoy | ■ -20' to -30' |
| | | | ■ -30' to -35' |
| | | | ■ -35' to -40' |
| | | | ■ -40' to 45' |
| | | | ■ -45' and below |

LWRP: 2.1
Gage Reading: BR:38.8D:28.3 USED:35.6 NGVD
Sea Conditions: ROUGH
Vessel Name: OB189
Survey Type: CS
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 (NGVD).

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 United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the United States Government makes no warranty, express or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information furnished. The user is responsible for the results obtained from the use of this information. The application of the data for other than its intended purpose is at the user's risk. The United States Government makes no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore, the information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers and is not to be used for any other purpose without the express written consent of the United States Army Corps of Engineers. The information depicted on this map represents the results of a survey conducted by the United States Army Corps of Engineers and is not to be used for any other purpose without the express written consent of the United States Army Corps of Engineers.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

| | | | |
|--------------|--------------------------------------|----------------|----------------|
| Submitted: | Surveyed By: DS/JH | Plotted By: AO | Checked By: AC |
| Recommended: | Chief, Survey Section | | |
| Approved: | Chief, Waterways Maintenance Section | | |

**MISSISSIPPI RIVER - B.R. TO GULF
MEDORA RECON
MR_08_MED_20190122_CS
22 January 2019**

**Sheet Reference Number
8 of 97**