



**LEGEND**

- - - - - Federal Navigation Channel	○ Cable Area	▭ Borrow Area	■ -12' and above
- - - - - Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	□ -12' and below
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General	
⋯ Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	
— Project Depth Contour	✈ Wrecks-Submerged	◆ Green Navigation Buoy	

Gage Reading: PA TB: 4.9 MLG AVG  
 Sea Conditions: CALM  
 Vessel Name: 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 Mean Low Gulf Datum (MLG).

Distances on the G.I.W.W. are shown at 1 mile intervals.

The location of navigation aids are based on and provided by the U.S. Coast Guard and USACE survey crews.

2015 Aerial Photography data source: NAIP  
 Reference is N.O.A. Navigation Chart No. 11354.  
 \*\* 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.



**DISCLAIMERS**

Access Constraints: 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, regarding the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the information. The recipient acknowledges that the information is provided for use by the recipient for the recipient's internal use only and that the recipient is responsible for any errors, omissions, or other data issues. The United States Government does not warrant that the information is free from errors, omissions, or other data issues.

Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, dredging operations, channel migration, and other changes to the hydrographical conditions when developed after the date of the survey. The United States Government does not warrant that the information is free from errors, omissions, or other data issues. Product maintainers should not rely solely upon it.

U.S. ARMY CORPERS OF ENGINEERS  
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: SPS & JH
Recommended: Chief, Survey Section	Plotted By: AO
Approved: Chief, Waterways Maintenance Section	Checked By: AO

**GULF INTRACOASTAL WATERWAY**  
**MORGAN CITY TO PORT ALLEN ROUTE**  
**MP\_28\_S2P\_20200422\_CS**  
 22 April 2020

**Sheet Reference Number**  
 28 of 30