



**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	

**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).

The location of navigation aids are base on and provided by the U.S. Coast Guard.

2010 Aerial Photography data source: NAIP. 1998 DOQQ imagery shown in green from USGS.

Reference is N.O.A. Navigation Chart No. 11355.

\*\* 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.

Gage Reading: MORGAN CITY: 6.03 MLG  
Sea Conditions: CALM  
Vessel Name: OB 189  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: HIGH

0 500 1,000 Feet



**DISCLAIMER**

The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the results of any use of this information. The user is responsible for the results of any use of this information. The user is responsible for the results of any use of this information. The user is responsible for the results of any use of this information.

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

**GULF INTRACOASTAL WATERWAY**  
MILE 99 POINT  
GI\_69\_M99\_20160518  
18 May 2016

**Sheet**  
**Reference**  
**Number**  
69 of 191