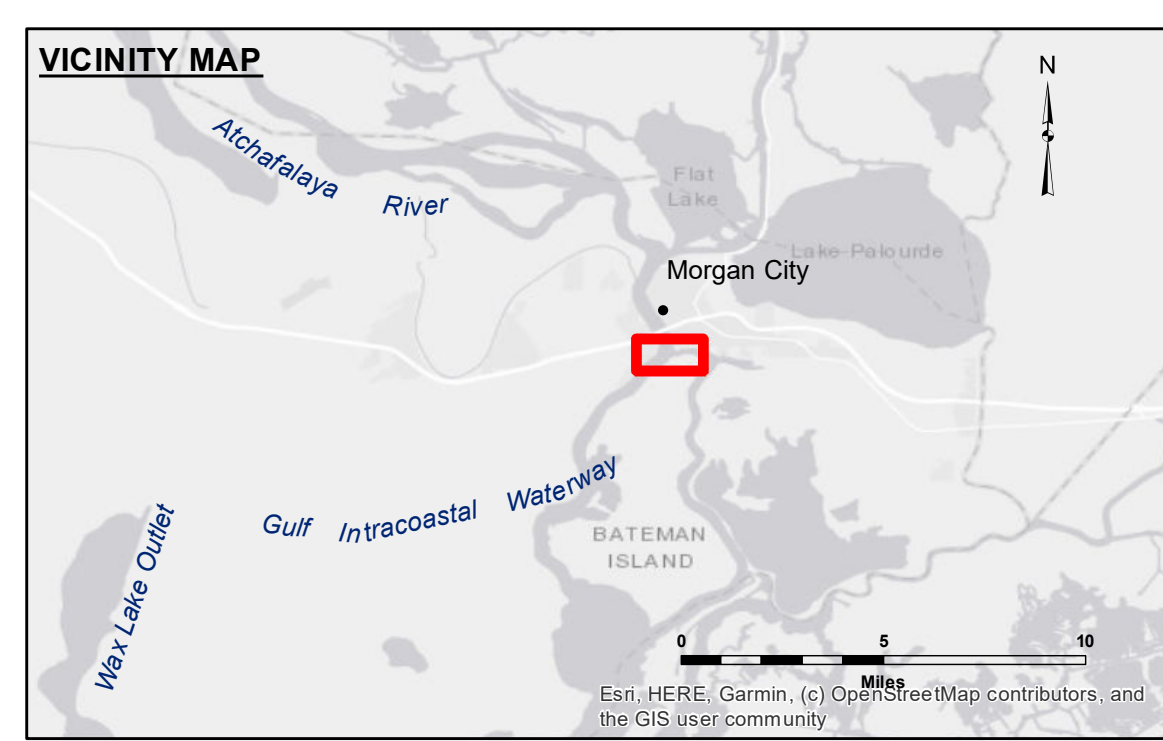


**DISCLAIMER:** The data represented on this map represents the results of a collection of data for a specific US Army Corps of Engineers project. The user is responsible for the accuracy, reliability, usability, or suitability of the data for their intended purpose. The user is responsible for the accuracy, reliability, usability, or suitability of the data for their intended purpose. The user is responsible for the accuracy, reliability, usability, or suitability of the data for their intended purpose.

Submitted:	Surveyed By: JDHUA
Recommended:	Plotted By: AO
Approved:	Checked By: AO

**GULF INTRACOASTAL WATERWAY**  
**20 GRAND POINT**  
**GI\_67\_BBW\_20191107\_CS**  
**07 November 2019**



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
□ Borrow Area	★ Beacon, General
● Shoalest Sounding**	♦ Red Navigation Buoy
★ Beacon, General	♦ Green Navigation Buoy
■ Placement Area	
□ Anchorage Area	
⊗ Obstruction Point	
⚓ Wrecks-Submerged	
	■ -12' and above
	□ -12' and below

**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). Datum Relationships for Lower Atchafalaya River at Morgan City (03780) as of 2017: 0.0' NAVD83 (2009.55) = 1.89' MLG  
 The location of navigation aids are based on and provided by the U.S. Coast Guard.  
 2015 Aerial Photography data source: NAIP. 1998 DOQQ imagery shown in green from USGS.  
 Reference is N.O.A.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: 4.8 MLG  
 Sea Conditions: CALM  
 Vessel Name: M/V VALENTOUR  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: HIGH