



**DISCLAIMER**

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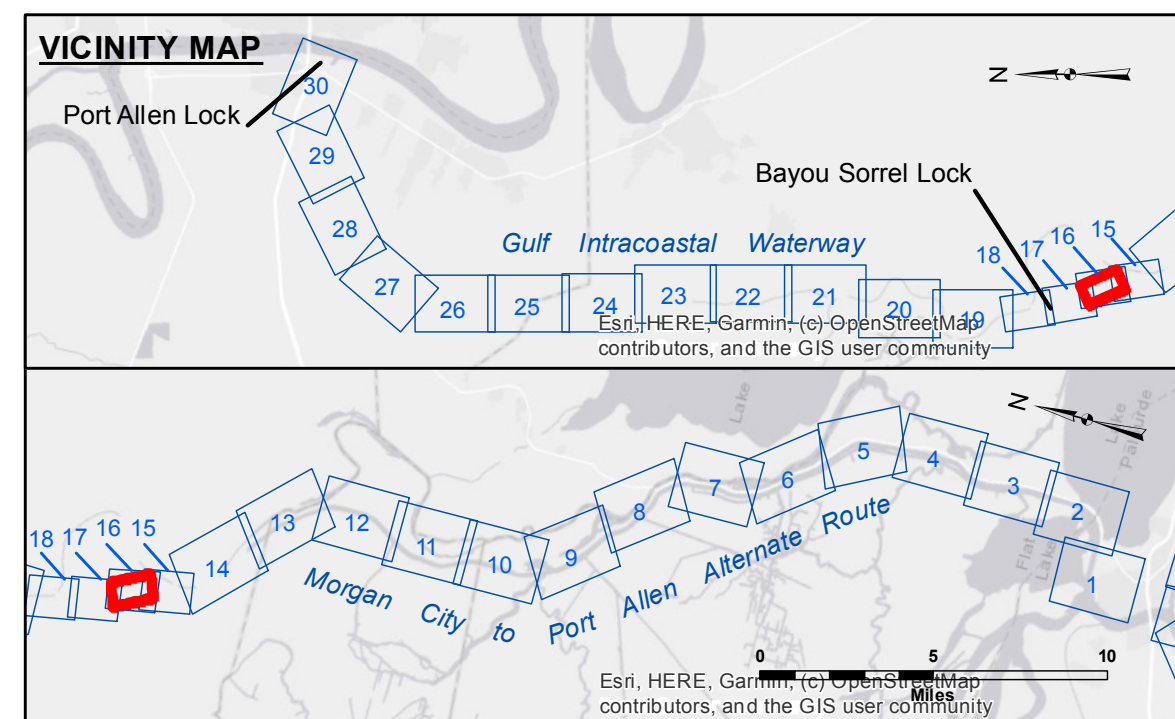
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**Hydrogeological Data:** Hydrogeological data is subject to rapidly changing hydrogeological conditions that are subject to changing geology and natural shuffling and storing processes. The U.S. Geological Survey is not responsible for the data presented in the hydrogeological conditions when develop after the state of the data is presented. The data is not intended to be used for internal use. Product materials should not rely solely on the data.

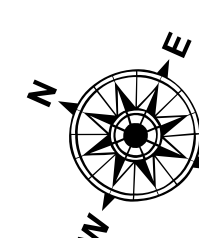
U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		Reviewed By: DS/SPS
Submitted: _____		
Recommended: _____	Chief, Survey Section	Plotted By: JH
Approved: _____	Chief, Waterways Maintenance Section	Checked By: JH

GULF INTRACOASTAL WATERWAY  
MORGAN CITY TO PORT ALLEN ROUTE  
MP\_16\_BSO\_20210826\_CS  
26 August 2021

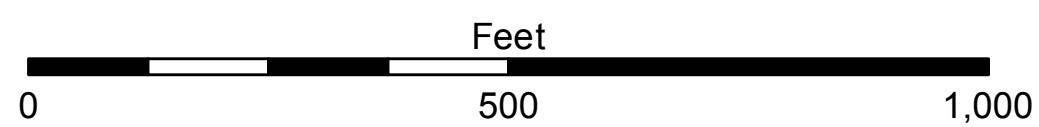
**Sheet  
Reference  
Number**  
**16 of 30**



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
			Shoalest Sounding**
			Beacon, General
			Red Navigation Buoy
			Green Navigation Buoy
			-12' and above
			-12' and below



Gage Reading: BAYOU SORREL: 4.38 MLG  
Sea Conditions: SMOOTH  
Vessel Name: OB-189  
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 Mean Low Gulf Datum (MLG).

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

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

2010 Aerial Photography data source: NAIP

Reference is N.O.A.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.