

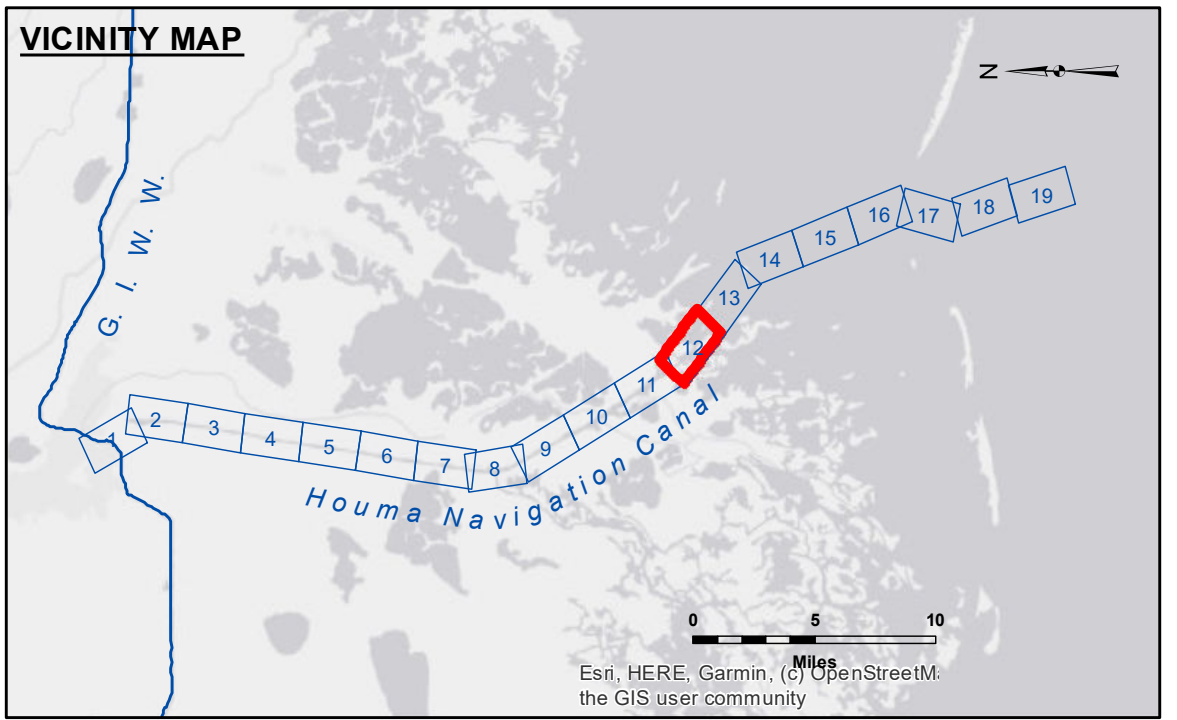
**Access to Data**  
 The information depicted on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The data is provided for informational purposes only and is not intended for navigation. The user is responsible for the accuracy, reliability, and availability of the data for their intended use. The user is advised to verify the data against other sources and to exercise caution when using the data for navigation. The information depicted on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The data is provided for informational purposes only and is not intended for navigation. The user is responsible for the accuracy, reliability, and availability of the data for their intended use. The user is advised to verify the data against other sources and to exercise caution when using the data for navigation.

Surveyed By:	PM/DS
Plotted By:	BD
Submitted:	
Recommended:	Chief, Survey Section
Approved:	Chief, Waterways Maintenance Section

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT

**HOUMA NAVIGATION CANAL  
 BAY CHANNEL  
 HN\_12\_BAY\_20191105\_CS  
 05 November 2019**

**Sheet Reference Number  
 12 of 19**



LEGEND	
--- Federal Navigation Channel	○ Cable Area
— Federal Navigation Center Line	□ Placement Area
— As-built Pipeline/Cable	○ Shoalest Sounding**
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	★ Beacon, General
	◆ Red Navigation Buoy
	◆ 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). Datum Relationships for 76305 as of August 2014:  
 0.0' NAVD88 (OPUS 2010) = 0.42' MLLW (2007-2011) = 1.34' MLG  
 Distances on the Houma Nav. Canal 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. 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: COCODRIE: 1.9 MLG AVG.  
 Sea Conditions: CALM  
 Vessel Name: OB-169  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

Scale: 0 400 800 1,200 1,600 2,000 Feet