

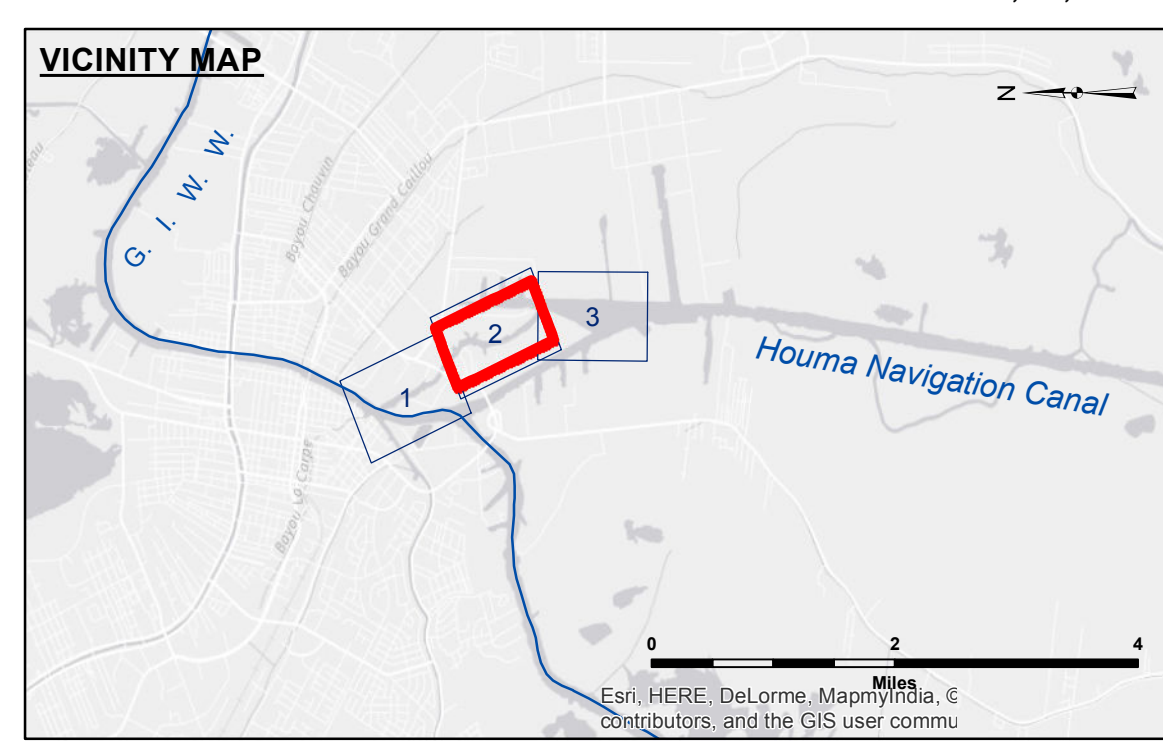
**US Army Corps of Engineers**  
District: CEMVN

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**Data Constraints:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing hydrographic conditions which develop after the date of the survey. The US Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of the survey. Product maintainers should not rely solely upon it.

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

**HOUMA NAVIGATION CANAL VICINITY**  
BAYOU LECARPE  
HN\_21\_LEC\_20170303  
03 March 2017



**LEGEND**

- - - Federal Navigation Channel	● Cable Area	□ Borrow Area	■ -10' and above
- Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	□ -10' 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: HOUMA STAFF: 2.4 MLG  
Sea Conditions: CALM  
Vessel Name: OB-167  
Survey Type: CONDITION  
Sounding Frequency\*\*\*: LOW

Vertical Datum: Soundings are shown in feet and indicate depths below Mean Low Gulf Datum (MLG). Datum Relationships for 76320 as of July 2014: 0.0' NAVD83 (2009.55) = 2.42' MLG

Distances on the Houma Nav. Canal 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. 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.

**Sheet Reference Number**  
2 of 3

Revision Number:  
3.816-2115(2012)