

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

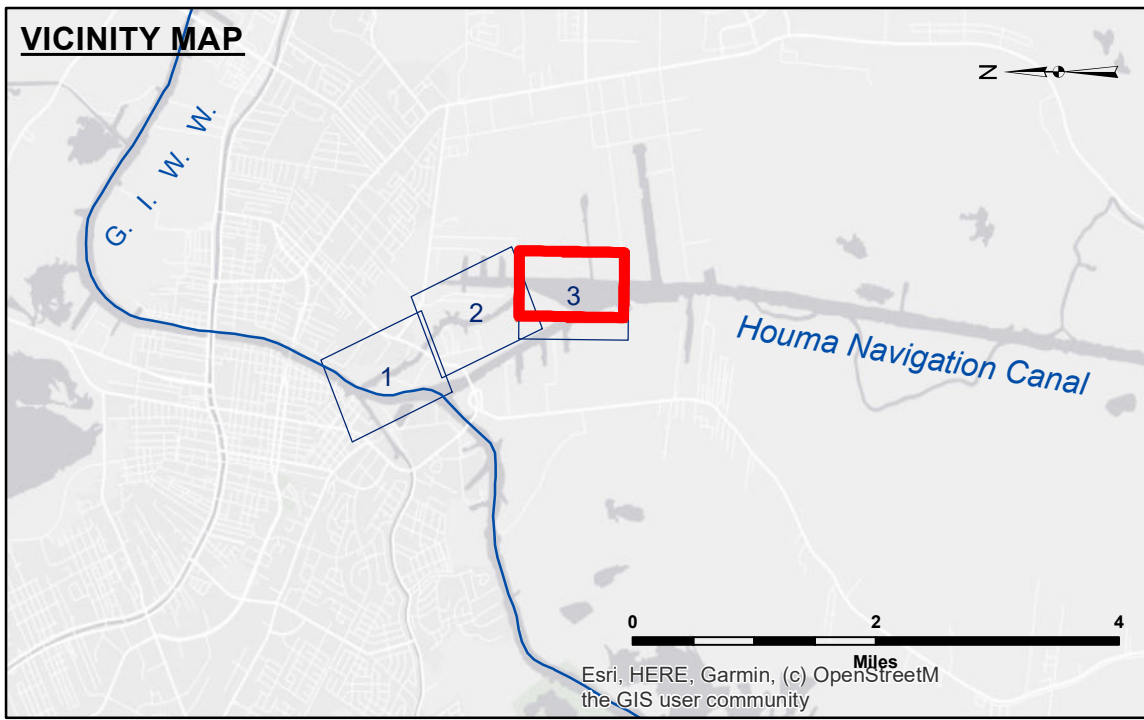
**DISCLAIMER**  
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Submitted:	Checked By:
Recommended:	Checked By:
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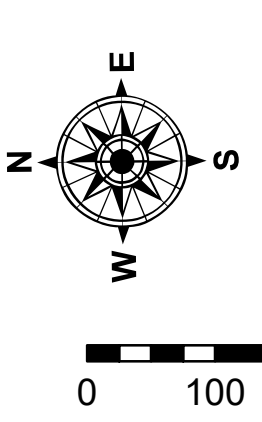
**HOUMA NAVIGATION CANAL VICINITY**  
BAYOU LECARPE  
HN\_22\_LEC\_20230413\_CS  
13 April 2023

**Sheet Reference Number**  
3 of 3

Revision Number:  
4-2-2023(04/23)



LEGEND			
Federal Navigation Channel	Cable Area	Borrow Area	-11' and above
Federal Navigation Center Line	Placement Area	Shoalest Sounding**	-11' 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: NTRIP VRS RTK: 1.25 MLLW AVG  
Sea Conditions: CHOPPY  
Vessel Name: OB-167  
Survey Type: CONDITION  
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 Lower Low Water Datum (MLLW). Datum Relationships for 76321 as of September 2022: 0.0' NAVD83 (OPUS) = 0.40' MLLW = 1.40' 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.  
2019 Aerial Photography data source: NAIP (1998 DOQQ Imagery in green).  
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.