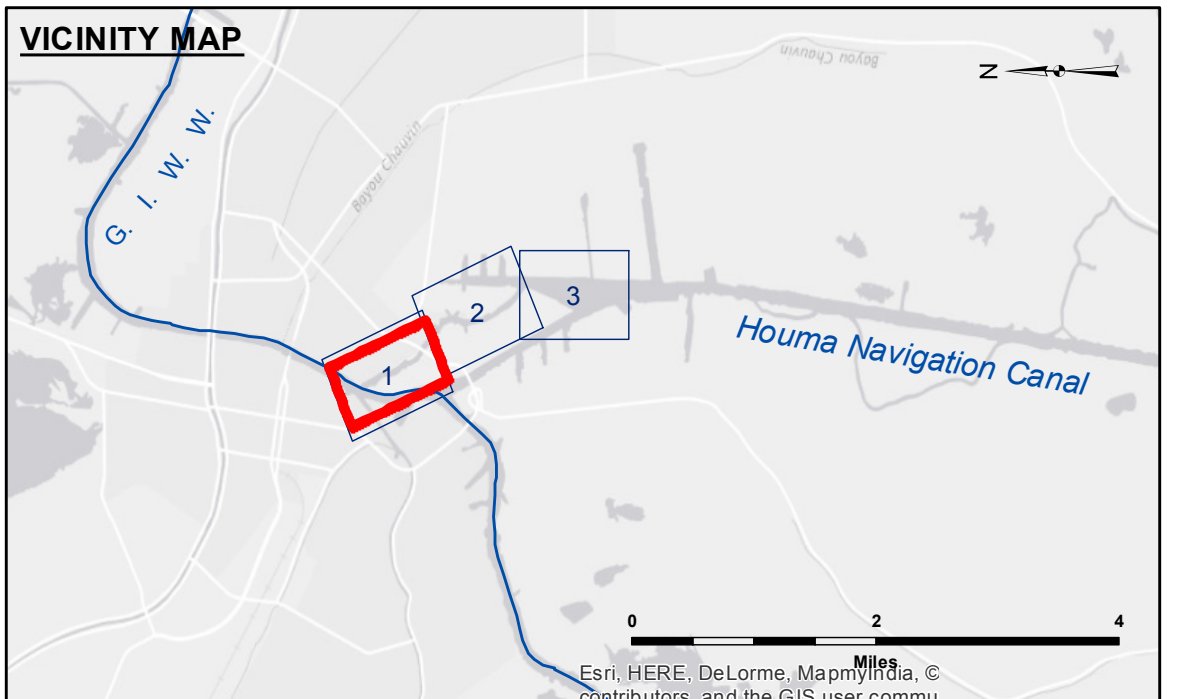


DISCLAIMER
 The data represented on this map represents the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers. The data is only valid for the intended use, and the user is responsible for the accuracy, completeness, and reliability of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and reliability of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and reliability of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and reliability of the data for other than its intended purpose.

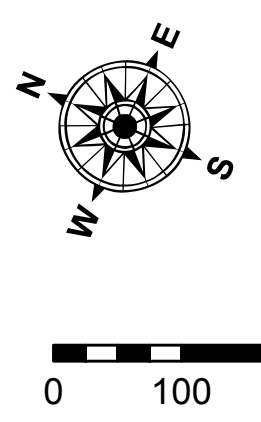
Submitted:	Surveyed By: PM/DS
Recommended:	Plotted By: BTD
Approved:	Chief, Survey Section
	Checked By: RL
	Chief, Waterways Maintenance Section

HOUMA NAVIGATION CANAL VICINITY
BAYOU LECARPE
HN_20_LEC_20160114
14 January 2016



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: 3.51 MLG
 Sea Conditions: CALM
 Vessel Name: OB-189
 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 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
1 of 3

Revision Number: 3.8.0-20150202