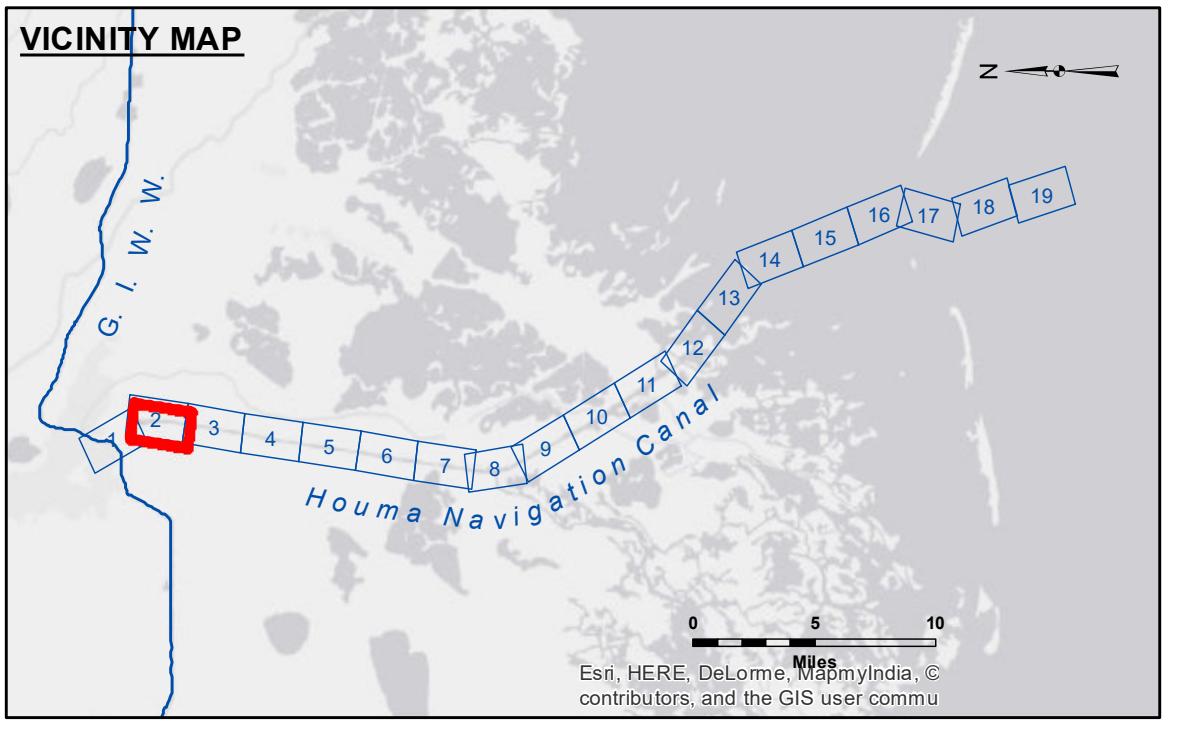


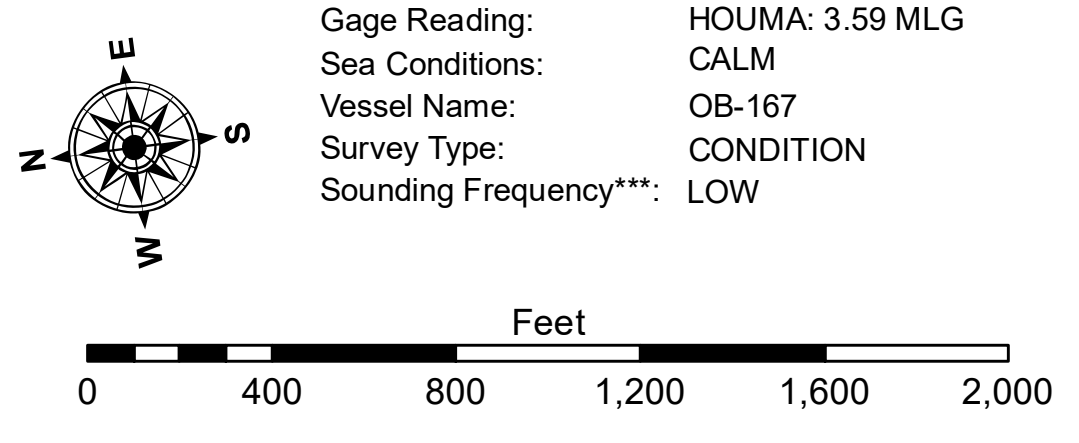
DISCLAIMER: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the United States Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the information. The user is responsible for the results obtained from the use of this information. The user shall not hold the United States Government liable for any damages, including but not limited to, direct, indirect, special, incidental, or consequential damages, arising out of the use of this information. The user shall not transfer or disseminate this information to any other person without the express written consent of the United States Government. The user shall not use this information for any purpose other than that for which it was provided. The user shall not use this information to represent the general condition existing at this time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SPPM	Checked By: AC
Recommended:	Plotted By: BD	
Approved:	Chief, Survey Section	Chief, Waterways Maintenance Section

**HOUMA NAVIGATION CANAL
LOWER CHANNEL
HN_02_LWR_20190319_CS
19 March 2019**



LEGEND			
--- Federal Navigation Channel	● Cable Area	■ Borrow Area	■ -12' and above
— Federal Navigation Center Line	■ Placement Area	● Shoalest Sounding**	■ -12' to -15'
— As-built Pipeline/Cable	□ Anchorage Area	☆ Beacon, General	■ -15' to -18'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -18' and below
— Project Depth Contour	✶ Wrecks-Submerged	◆ 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 76320 as of August 2014:
0.0' NAVD88 (2009.55) = 2.42' 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.
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 19**
Revision Number:
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