

CURVE
 $\Delta = 24^\circ$
 $D = 00'$
 $T = 1394.46'$
 $R = 6500.00'$
 $L = 21'$

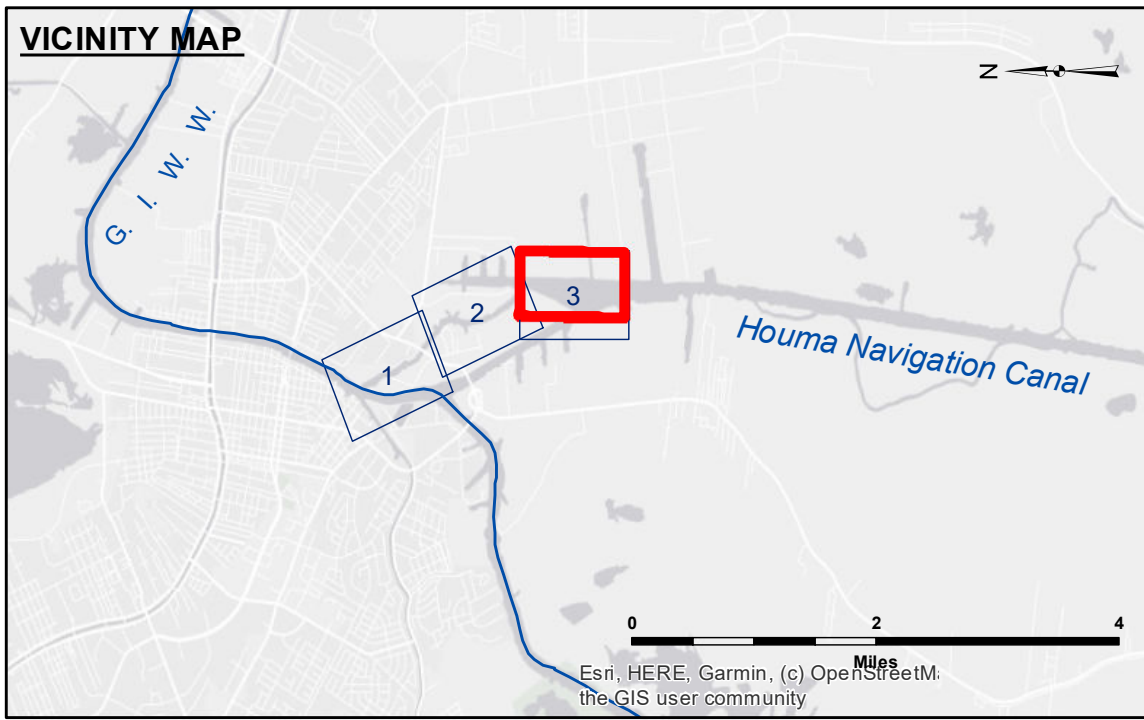
3 481.000

386,000

383,000

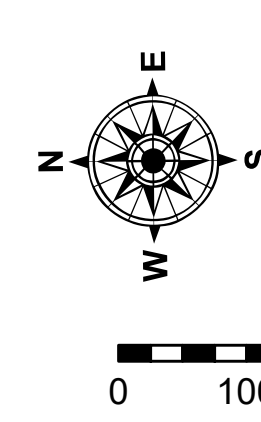
386,000

383,000



LEGEND

--- Federal Navigation Channel	o 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: 3.38 MLG
 Sea Conditions: SMOOTH
 Vessel Name: OB189
 Survey Type: CS
 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. 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.



DISCLAIMER:
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, express or implied, regarding the accuracy, completeness, or reliability of the information for any purpose other than that for which it was provided. The user is responsible for the results obtained from the use of this information. The application of the data for other than its intended purpose is not recommended. The data are provided for informational purposes only. Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, shifting sandbars, and other natural processes. The user is responsible for changes in the hydrographic conditions when developing the data for use in the field. The information depicted on this map represents the results of a survey and is not intended to be used for any other purpose than that for which it was provided. The information depicted on this map represents the results of a survey and is not intended to be used for any other purpose than that for which it was provided.

**U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT**

Submitted:	Surveyed By: DIS/SR	Plotted By: AO	Checked By: AO
Recommended:	Chief, Survey Section		
Approved:	Chief, Waterways Maintenance Section		

**HOUMA NAVIGATION CANAL VICINITY
 BAYOU LECARPE
 HN_22_LEC_20190910_CS
 10 September 2019**

**Sheet Reference Number
 3 of 3**

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4.0-201 90702

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