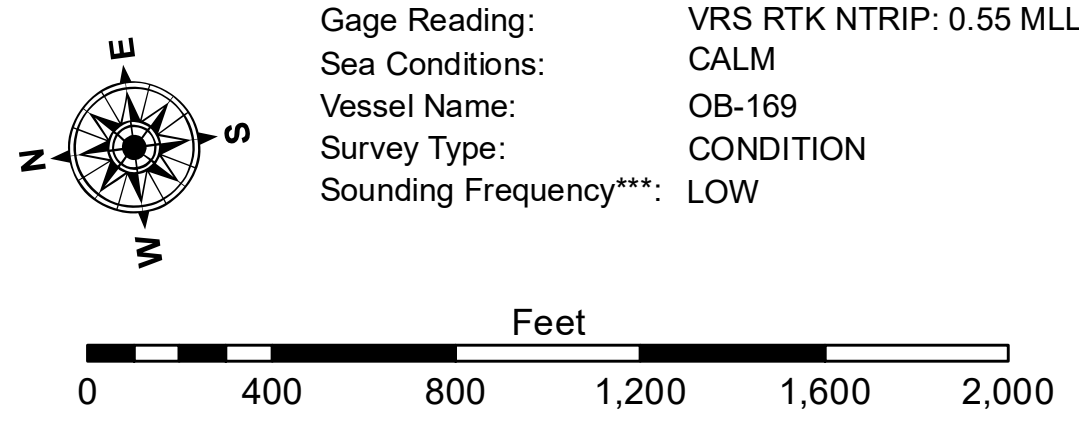


**LEGEND**

--- Federal Navigation Channel	● Cable Area	□ Borrow Area	■ -8' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -8' to -10'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -10' to -12'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -12' to -16'
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	■ -16' to -19'
			■ -19' and below



**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 78320 as of September 2022:  
 0.0' NAVD88 (2009.55) = 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.



**DISCLAIMER:**  
 The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were prepared, or to replace or supplement the accuracy, completeness, reliability, usability or suitability for any particular purpose of the recipient. The user is responsible for the results of the use of the data. The United States Government makes no warranty, express or implied, in connection with the data for other than the intended purpose.  
 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 information on this map represents the results of a survey conducted on the date of the survey and is not intended to represent the general condition existing at that time.  
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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: SP/SP
Recommended:	Plotted By: BD
Approved:	Checked By: AO/JH
	Chief, Survey Section
	Chief, Waterways Maintenance Section

**HOUMA NAVIGATION CANAL  
 LOWER CHANNEL  
 HN\_05\_LWR\_20230124\_CS  
 24 January 2023**

**Sheet  
 Reference  
 Number  
 5 of 19**

Revision Number:  
 4.2-202 (04/20)