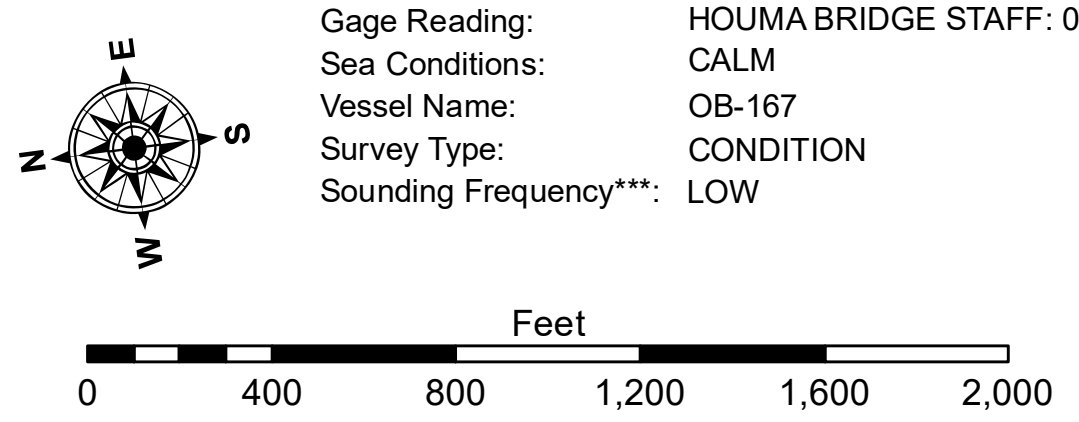


**LEGEND**

--- 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



Gage Reading: HOUMA BRIDGE STAFF: 0.65 MLLW AVG  
 Sea Conditions: CALM  
 Vessel Name: OB-167  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW

**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 76320 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 provided for informational purposes only and are not to be used for any purpose other than that for which they were provided. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall not be held liable for any damage or loss, including but not limited to, direct, indirect, or consequential damages, arising out of the use of the data for other than its intended purpose.  
 Data: Constantine Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing bathymetry, sedimentation, and other factors. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall not be held liable for any damage or loss, including but not limited to, direct, indirect, or consequential damages, arising out of the use of the data for other than its intended purpose.  
 The information depicted on this map represents the results of a survey conducted on or about the date indicated. The user is responsible for the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user shall not be held liable for any damage or loss, including but not limited to, direct, indirect, or consequential damages, arising out of the use of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: ADAMS/CHAMPINE
Recommended:	Plotted By: BD
Approved:	Checked By: AD/JH

**HOUMA NAVIGATION CANAL  
 LOWER CHANNEL  
 HN\_06\_LWR\_20231130\_CS  
 30 November 2023**

**Sheet Reference Number  
 6 of 19**