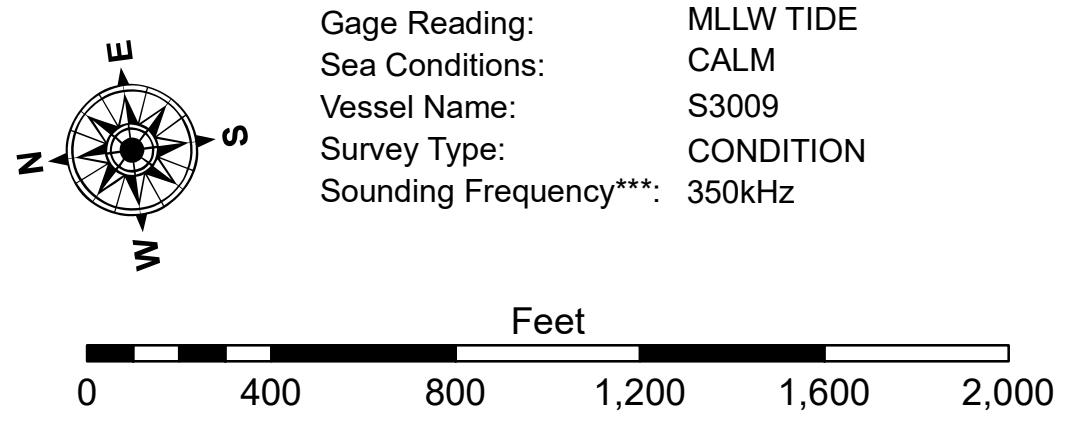


**LEGEND**

|                                  |                     |                         |                  |
|----------------------------------|---------------------|-------------------------|------------------|
| --- 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 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.



**DISTRIBUTION LIABILITY:** The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results. The user agrees to hold the US Army Corps of Engineers harmless for any use of the data for other than its intended purpose.  
 Data Constants: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and other factors. The user is responsible for the results of the hydrographic conditions which develop after the date of the survey. The user agrees to hold the US Army Corps of Engineers harmless for any use of the data for other than its intended purpose.  
 The information depicted on the map represents the results of a survey. The user is responsible for the results of the survey. The user agrees to hold the US Army Corps of Engineers harmless for any use of the data for other than its intended purpose.

|  |                  |
|--|------------------|
| U.S. ARMY CORPS OF ENGINEERS<br>NEW ORLEANS DISTRICT |                  |
| Submitted:   | Surveyed By: NRT |
| Recommended:   | Plotted By: BD   |
| Approved:  | Checked By: MMS  |
| Chart: Waterways Maintenance Section                 |                  |

**HOUMA NAVIGATION CANAL  
 LOWER CHANNEL  
 HN\_03\_LWR\_20210903\_CS\_POSTIDA\_MLLW  
 03 September 2021**

**Sheet Reference Number  
 3 of 19**

Revision Number:  
 4.2-20210420