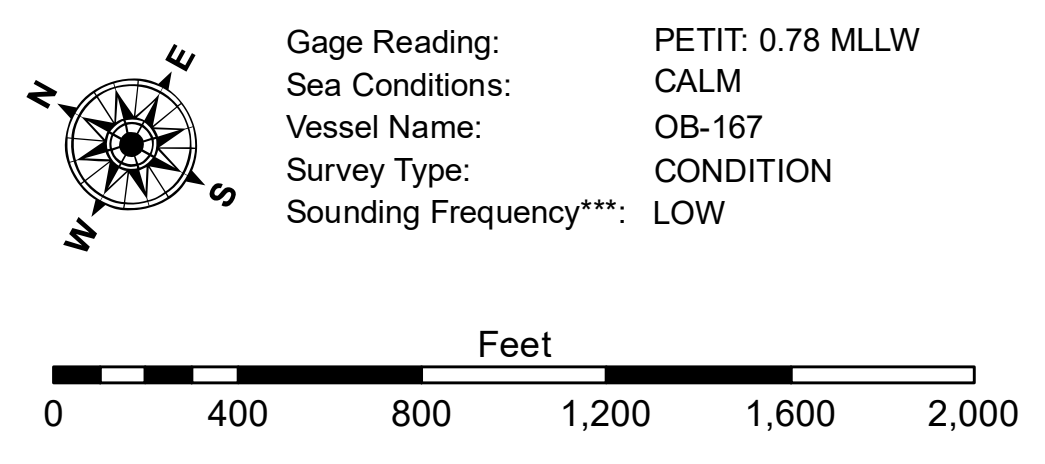


| LEGEND | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel | ○ Cable Area | □ Borrow Area | ■ -8' and above |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding** | ■ -8' to -10' |
| — 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 76305 as of September 2022:
 0.0' NAVD88 (OPUS 2019) = 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 originally collected. The user is responsible for the results of any use of the data for other than the intended purpose.
 The information depicted on this map represents the results of a survey conducted on or about the date of the survey. The Corps of Engineers does not warrant the accuracy of the data for any other purpose.
 The information depicted on this map represents the results of a survey conducted on or about the date of the survey. The Corps of Engineers does not warrant the accuracy of the data for any other purpose.

| U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT | | | |
|--|--------------------------------------|-------------------|-------------------|
| Submitted: | Surveyed By: ADAMS/CHAMPINE | Plotted By: JH | Checked By: JH |
| Recommended: | Chief, Survey Section | | |
| Approved: | Chief, Waterways Maintenance Section | | |

**HOUMA NAVIGATION CANAL
 LOWER CHANNEL
 HN_09_LWR_20231220_CS
 20 December 2023**

**Sheet Reference Number
 9 of 19**