



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: VRS RTN: 1.83 MLLW AVG.
 Sea Conditions: CALM
 Vessel Name: OB-167
 Survey Type: CONDITION
 Sounding Frequency***: HI

0 400 800 1,200 1,600 2,000
 Feet

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 76308 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.
 2022 Aerial Photography data source: Optimal GEO, Inc. (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 warranted for any purpose other than that for which they were prepared. 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 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 user is responsible for the results of any use of the data for other than the intended purpose.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: PM DR	Checked By: AD/JH
Recommended:	Plotted By: BD	
Approved:	Chart Survey Section	
	Chart, Waterways Maintenance Section	

**HOUMA NAVIGATION CANAL
 LOWER CHANNEL
 HN_11_LWR_20230601_CS
 01 June 2023**

**Sheet
 Reference
 Number
 11 of 19**

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