

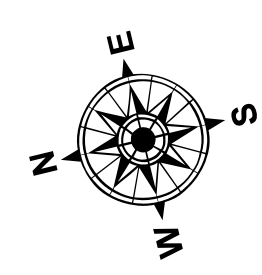
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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Surveyed By: SPPM	Plotted By: BD
Recommended:	Checked By: AD/JH	Approved:
Chief, Waterways Maintenance Section		

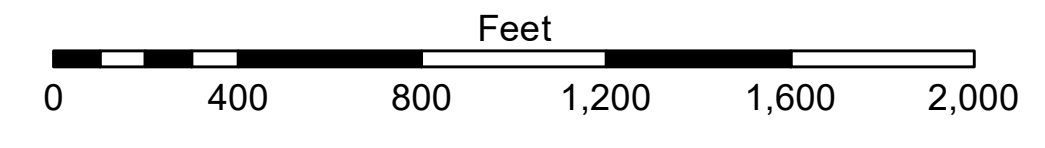
**HOUMA NAVIGATION CANAL  
BAR CHANNEL  
HN\_17\_BAR\_20231207\_CS  
07 December 2023**

**Sheet Reference Number  
17 of 19**

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: TIMB\_ISLAND VRN: 1.40 MLLW AVG.  
Sea Conditions: CHOPPY  
Vessel Name: OB-169  
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: Vertical Datum: Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW). Datum Relationships for 88450 as of September 2022: 0.0' NAVD88 (OPUS 2019) = 0.40' MLLW (2012-2016) = 1.40' MLLG  
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.  
Reference is N.O.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.

