



LEGEND			
--- Federal Navigation Channel	○ Cable Area	3 Fluff Thickness (feet)*	-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: TIMBER ISLAND: 1.5 MLLW AVG
 Sea Conditions: CALM/CHOPPY PM
 Vessel Name: OB-167
 Survey Type: CONDITION
 Sounding Frequency***: LOW

Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW).
 Datum Relationships for 8845 as of September 2022:
 0.0' NAVD88 (OPUS 2019) = 0.40' MLLW (2012-2016) = 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. Navigation Chart No. 11355.

* Difference between high and low frequency elevations where greater than 1.0'.
 ** 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.

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 8845 as of September 2022:
 0.0' NAVD88 (OPUS 2019) = 0.40' MLLW (2012-2016) = 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. Navigation Chart No. 11355.

* Difference between high and low frequency elevations where greater than 1.0'.
 ** 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.

US Army Corps of Engineers
 District: CEMVN

Access to the data represented on this map is provided for informational purposes only. The data is not intended for navigation or other critical applications. The user is responsible for the accuracy, completeness, and reliability of the data for their intended use. The Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data for any purpose other than that for which it was collected. The Corps of Engineers does not accept any liability for damages or losses resulting from the use of this data. The information depicted on this map represents the results of a survey conducted by the Corps of Engineers. The information is not intended to be used for navigation or other critical applications. The user is responsible for the accuracy, completeness, and reliability of the data for their intended use. The Corps of Engineers does not warrant the accuracy, completeness, or reliability of the data for any purpose other than that for which it was collected. The Corps of Engineers does not accept any liability for damages or losses resulting from the use of this data.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT			
Submitted:	Surveyed By:	Plotted By:	Checked By:
	PM/SPS	BD	AC
Recommended:	Chief, Survey Section		
Approved:	Chief, Waterways Maintenance Section		

**HOUMA NAVIGATION CANAL
 BAY CHANNEL**
 HN_16_BAY_20220324_CS_MLLW
 24 March 2022

Sheet Reference Number
 16 of 19

Revision Number:
 4.2-20210420