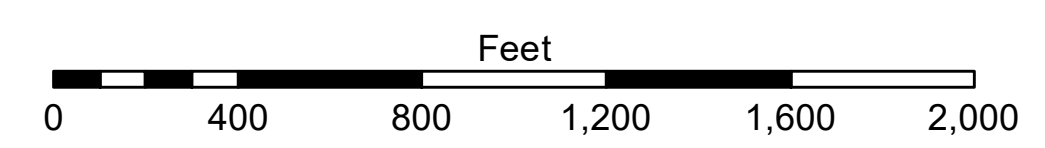
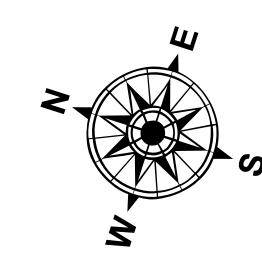


LEGEND

--- Federal Navigation Channel	○ Cable Area	□ Borrow Area	■ -12' and above
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ -12' to -15'
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -15' to -18'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	■ -18' and below
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	



Gage Reading: USED: 2.55 MLG AVG
 Sea Conditions: CHOP
 Vessel Name: OB-167
 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:
 Soundings are shown in feet and indicate depths below Mean Low Gulf Datum (MLG).
 Datum Relationships for 76305 as of August 2014:
 0.0' NAVD88 (OPUS 2010) = 0.42' MLLW (2007-2011) = 1.34' 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.
 2015 Aerial Photography data source: NAIP
 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 data represented on this map were derived from the results of a survey conducted by the U.S. Army Corps of Engineers. The data are provided for informational purposes only and are not intended to be used for any purpose other than that for which they were collected. The user is responsible for the results of any application of the data for other than its intended purpose. The U.S. Army Corps of Engineers does not accept any responsibility for changes in the hydrographical conditions when developed after the date of the survey. The user is responsible for the results of any application of the data for other than its intended purpose. The U.S. Army Corps of Engineers does not accept any responsibility for changes in the hydrographical conditions when developed after the date of the survey. The user is responsible for the results of any application of the data for other than its intended purpose.

Submitted:	SPPM	Plotted By:	AV	Checked By:	AV
Recommended:	AV	Chart Survey Section		Chief, Waterways Maintenance Section	

**HOUMA NAVIGATION CANAL
 BAR CHANNEL
 HN_18_BAR_20180530_CS
 30 May 2018**

**Sheet Reference Number
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