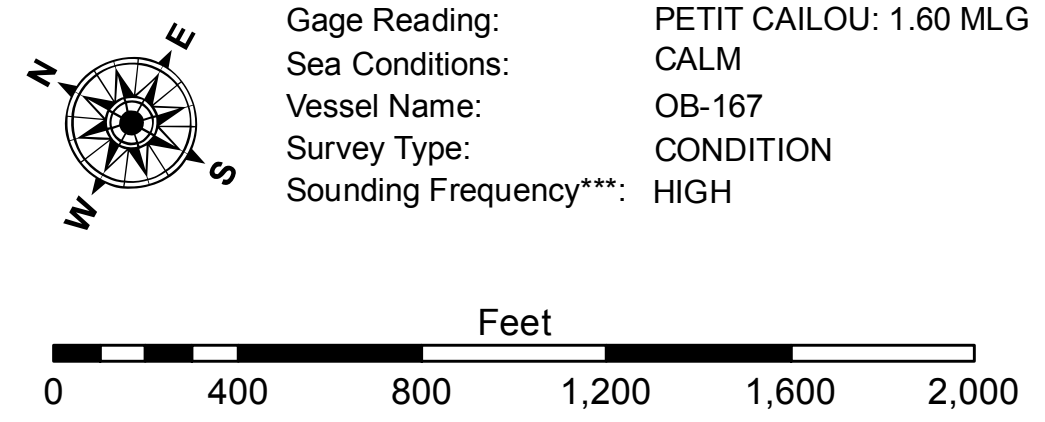


LEGEND

--- 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	



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.
 2010 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 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, or applied for its intended use, control, time and accuracy specifications. The user is responsible for the results of any use of the data. The user shall not be held liable for any damage or injury resulting from the use of the data for other than its 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 its intended purpose. The user shall not be held liable for any damage or injury resulting from the use of the data for other than its intended purpose.
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U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT

Submitted:	Surveyed By: PS, JH
Recommended: Chief, Survey Section	Plotted By: BD
Approved: Chief, Waterways Maintenance Section	Checked By: AC

**HOUMA NAVIGATION CANAL
 LOWER CHANNEL
 HN_10_LWR_20170110
 10 January 2017**

**Sheet Reference Number
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