



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.

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.

Gage Reading: COCODRIE: 2.49 MLG
Sea Conditions: CHOPPY
Vessel Name: OB-167
Survey Type: CONDITION
Sounding Frequency***: LOW



DISCLAIMER

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Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including, but not limited to, changing hydrographic conditions, changes in channel conditions, changes in the hydrographic conditions which develop after the date of the survey, and changes in the hydrographic conditions which are not represented by the data. The user is responsible for the results of any use of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted By: SP/PM	Plotted By: BD	Checked By: AC
Recommended By: Chief, Survey Section		
Approved By: Chief, Waterways Maintenance Section		

**HOUMA NAVIGATION CANAL
BAR CHANNEL
HN_17_BAR_20171012_CS
12 October 2017**

**Sheet Reference Number
17 of 19**