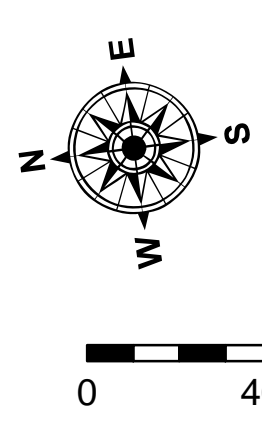


LEGEND		
--- Federal Navigation Channel	○ Cable Area	□ Borrow Area
— Federal Navigation Center Line	▭ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	⊗ Anchorage Area	☆ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy



Gage Reading: HOUMA VRN: 0.85 MLLW AVG.
 Sea Conditions: CALM
 Vessel Name: OB-169
 Survey Type: CONDITION
 Sounding Frequency***: HIGH

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 76320 as of September 2022:
 0.0' NAVD88 (2009.55) = 0.40' MLLW = 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.
 2019 Aerial Photography data source: NAIP (1998 DOQQ Imagery in green).
 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. The user is responsible for the results of any use of the data for other than the intended purpose.
 Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to changing bathymetry, sedimentation, and other factors. The user is responsible for the results of any use of the data for other than the intended purpose.
 The information depicted on the map represents the results of a survey conducted on the date shown. It is not intended to represent the general condition existing at that time.

Surveyed By: SP-JS	Plotted By: BD	Checked By: ADJH
Submitted:	Chart, Survey Section	Chart, Waterway Maintenance Section
Recommended:		
Approved:		

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT
**HOUMA NAVIGATION CANAL
 LOWER CHANNEL
 HN_04_LWR_20240725_CS**
 25 July 2024

Sheet Reference Number
4 of 19
 Revision Number:
 4.2-3020M(20)