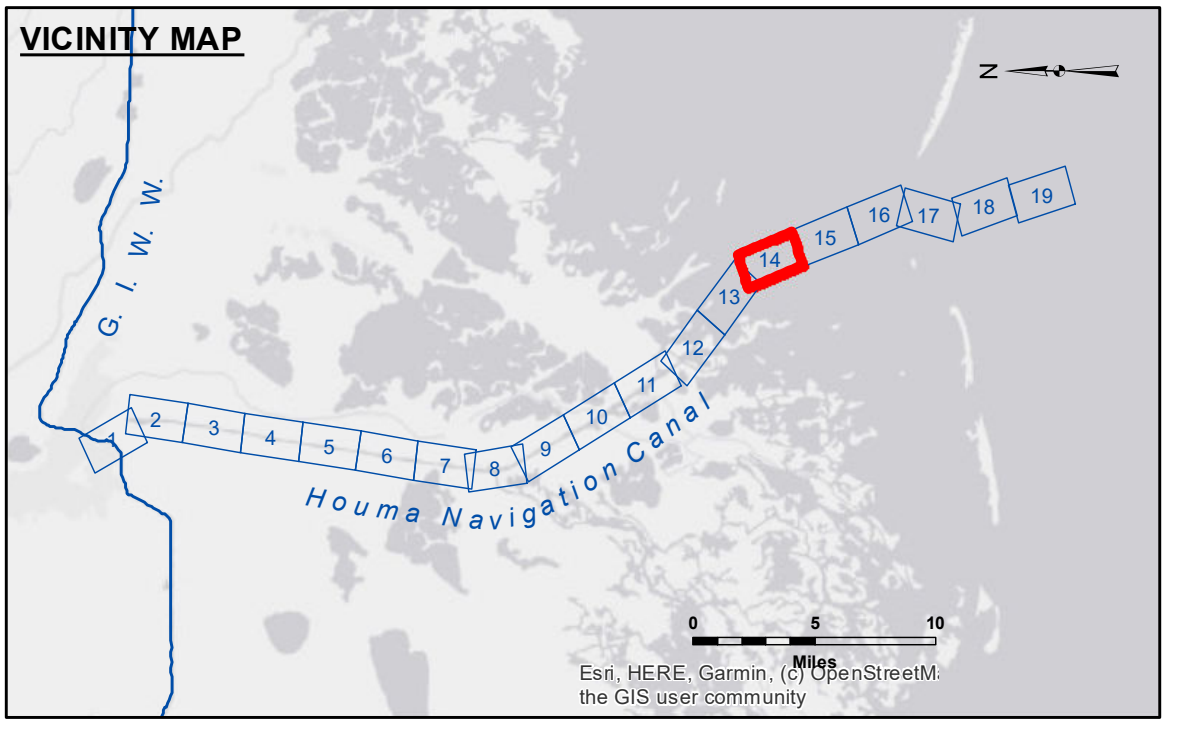


DISCLAIMER
 The information depicted on this map represents the results of a survey conducted by the U.S. Army Corps of Engineers. The user is responsible for the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended by the Corps of Engineers. The Corps of Engineers does not warrant the accuracy, reliability, usability, or suitability of the data for any purpose other than that intended by the Corps of Engineers. The Corps of Engineers does not accept responsibility for changes in the hydrographical conditions when developed after the date of the survey. The Corps of Engineers does not accept responsibility for changes in the hydrographical conditions when developed after the date of the survey. The Corps of Engineers does not accept responsibility for changes in the hydrographical conditions when developed after the date of the survey.

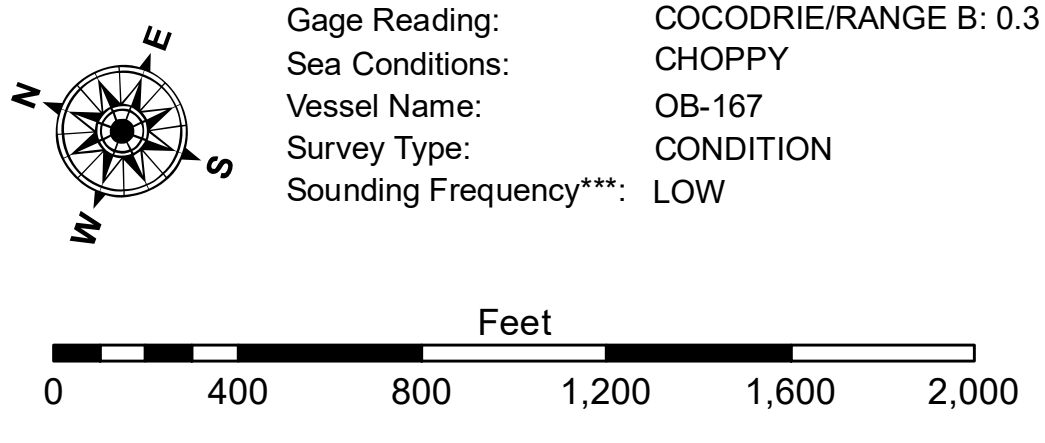
Submitted:	Surveyed By: PM,JA
Recommended:	Plotted By: AO
Approved:	Checked By: AO

U.S. ARMY CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT
 Chief, Waterways Maintenance Section

**HOUMA NAVIGATION CANAL
 BAY CHANNEL
 HN_14_BAY_20221207_CS
 07 December 2022**



LEGEND	
--- Federal Navigation Channel	● Cable Area
— Federal Navigation Center Line	■ Placement Area
— As-built Pipeline/Cable	□ Anchorage Area
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point
— Project Depth Contour	✶ Wrecks-Submerged
3 Fluff Thickness (feet)*	★ Beacon, General
● Shoalest Sounding**	◆ Red Navigation Buoy
■ -8' and above	◆ Green Navigation Buoy
■ -8' to -10'	
■ -10' to -12'	
■ -12' to -16'	
■ -16' to -19'	
■ -19' and below	



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: COCODRIE/RANGE B: 0.3 MLLW AVG
 Sounding Frequency***: LOW
 Sea Conditions: CHOPPY
 Vessel Name: OB-167
 Survey Type: CONDITION
 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.

**Sheet Reference Number
 14 of 19**

Revision Number:
 4.2-20220420