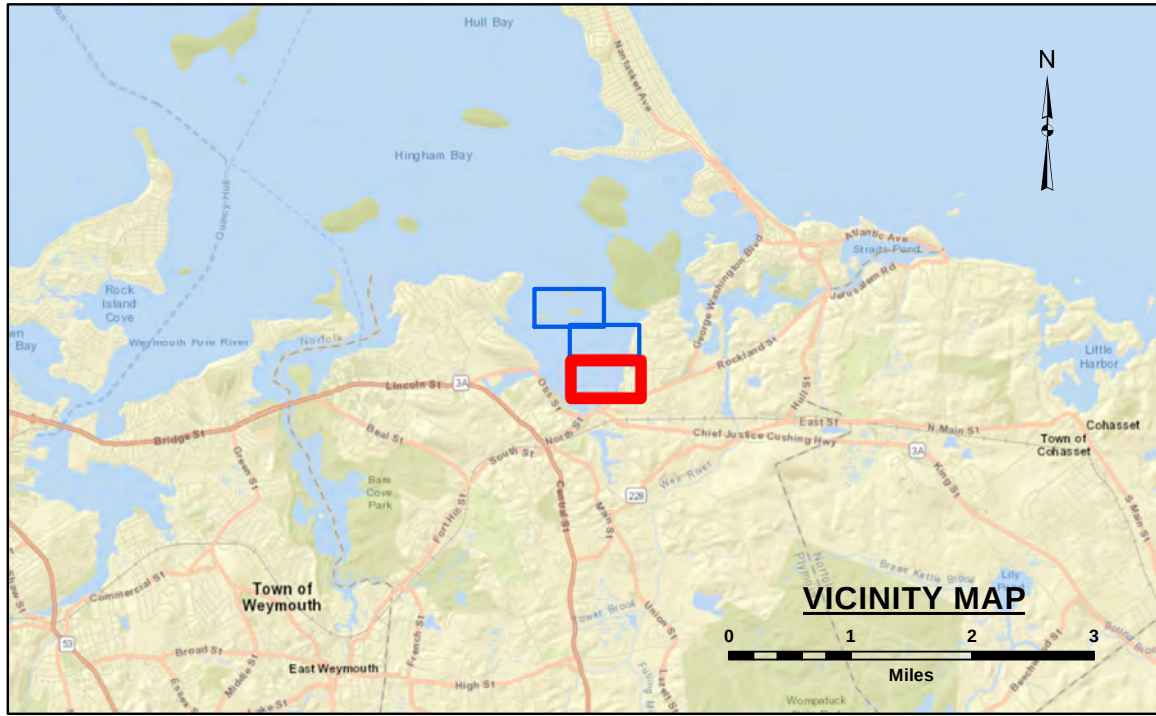




LEGEND

Federal Navigation Channel

Channel Center Line

.....

Cable or Pipeline Area

Contour Line

⊗

Obstruction Point

⊗

Fixed Navigation Aids

●

Red Navigation Buoy

●

Green Navigation Buoy

●

Yellow Navigation Buoy

■

Shoaling Area

●

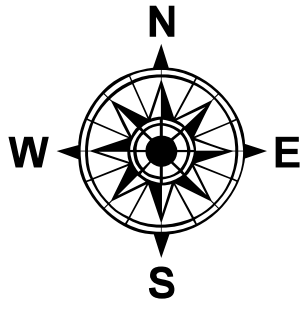
Shoalest Sounding**

1" = 100'

GRAPHIC SCALE

100 0 100 200 Feet

** Shoalest Sounding per Quarter per Reach



Notes:
Horizontal Datum: Mass Mainland, MA-2001 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300 KHz
Survey Method: RTK GPS TIDES
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Imax
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4980
Survey No.: MA_29_HIN_20220331_CS_033
Reference NOAA Chart No.: 13270

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

General Notes
The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 2022. The sounding information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the conditions existing at that time. The positions of aids to navigation were located during survey operations, are provided for information only and should not be used for navigation. Orthorectification is from a variety of sources and dates and is intended to portray general characteristics of the shoreline and other features. Temporal changes may have occurred since this dataset was collected and some parts may no longer be an accurate representation of the conditions. The information depicted on this map should NOT be used to determine volumes as volumes are determined from more sounding information than shown.

Project Remarks
None.

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 5.63 feet. This correction is referenced from NOAA's V-Datum Model Version 4.1, ME/NH/MA region Version 2.3 in the vicinity of Hingham Harbor, Hingham, Massachusetts. NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project.

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT			
SUBMITTED BY: Zachary McAvoy		SURVEYED BY: NCD	
APPROVED BY: NAE Survey		CHECKED BY: ZSM	
SIZE: ANSI D	MAP DOCUMENT: MA_29_HIN_20220331_CS_033		ISSUE DATE: 4/26/2022

HINGHAM HARBOR HINGHAM, MASSACHUSETTS CONDITION SURVEY	10-FOOT CHANNEL
File Name: MA_29_HIN_20220331_CS_033	

SHEET IDENTIFICATION Hingham Harbor
Sheet 3 of 3