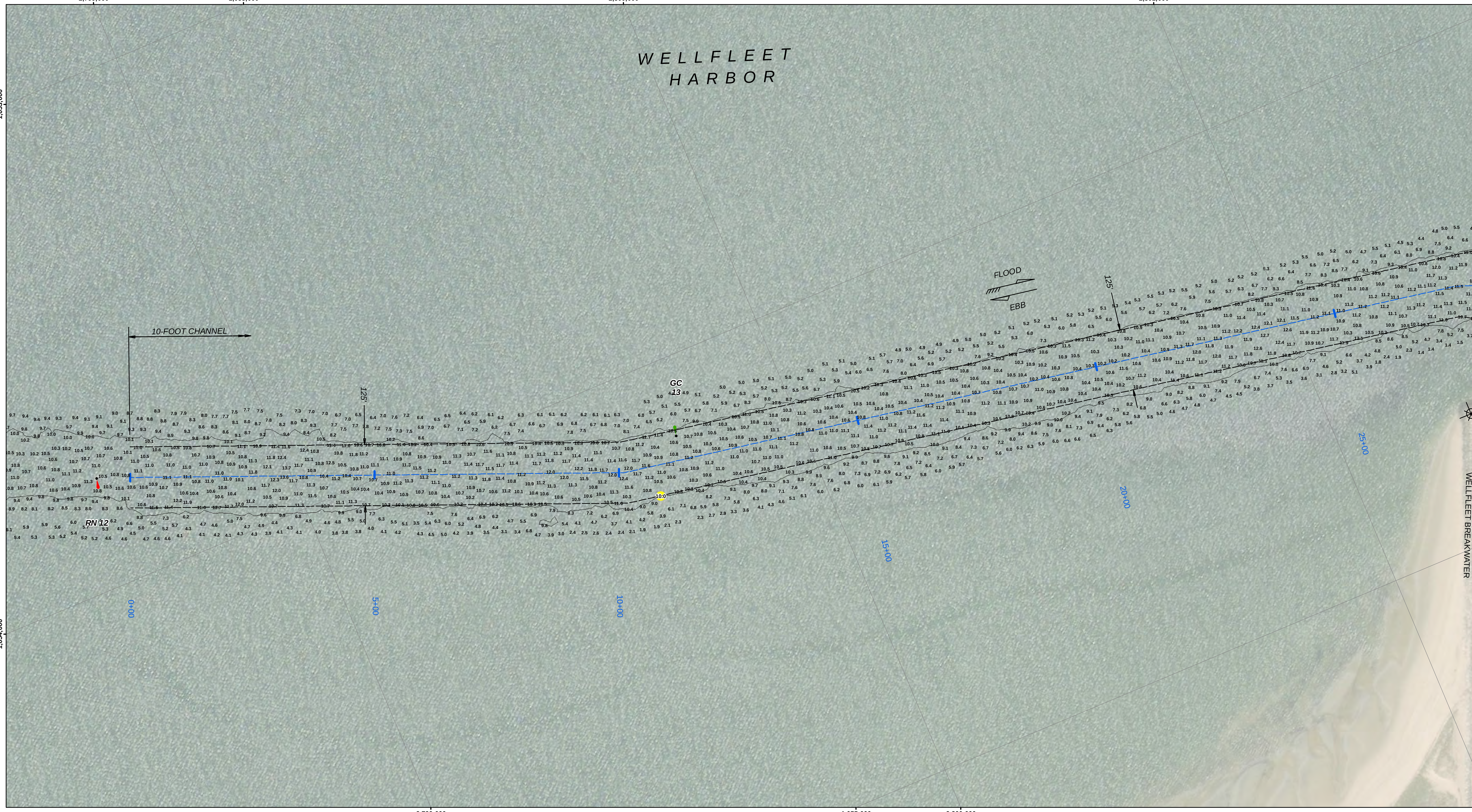
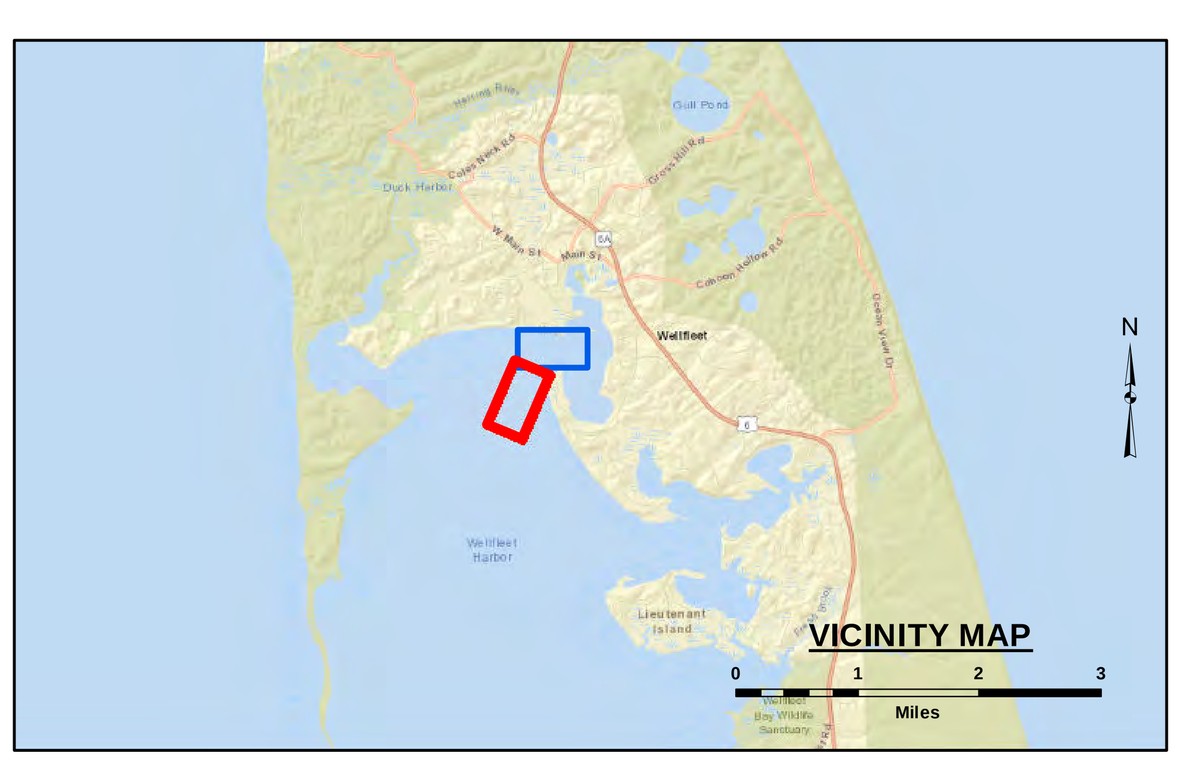




LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Channel Center Line
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

100 0 100 200

1" = 100' Feet

W N S E

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: 400 kHz
Survey Method: RTK GPS TIDES
GPS_System: Trimble SPS 855
RTK Base Station: Station WLFLT (2015)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4095
Survey No.: MA_40_WFH_20201120_BD_045
Reference NOAA Chart No.: 13250

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 November 2020. 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. Orthoimagery 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 corrections for this project range from 6.19 feet to 6.21 feet. These corrections are referenced from NOAA's V-Datum Model Version 3.9, ME/NH/MA region Version 1.3, in the vicinity of Wellfleet Harbor, Wellfleet, 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.

US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: PJB
CHECKED BY: ZSM
ISSUE DATE: 11/25/2020
MAP DOCUMENT: MA_40_WFH_20201120_AD_045
SIZE: ANSI D

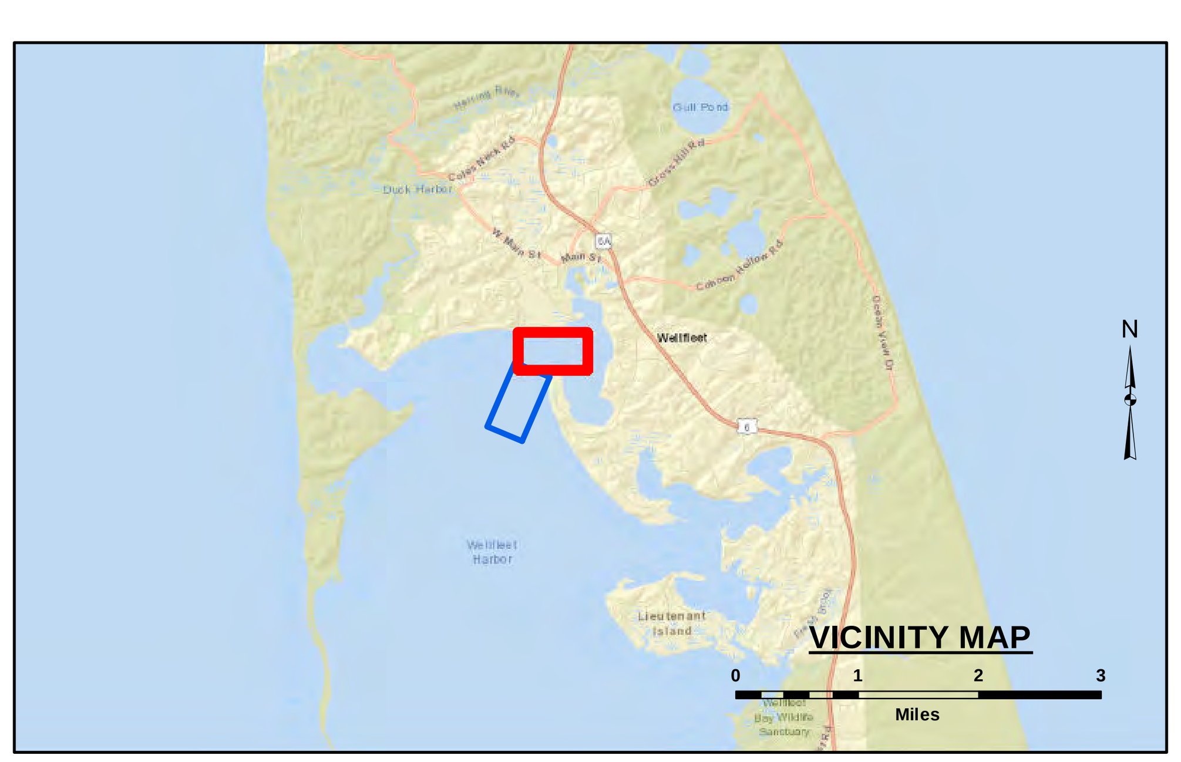
WELLFLEET HARBOR
WELLFLEET, MASSACHUSETTS
AFTER DREDGE SURVEY

10-FOOT CHANNEL AND ANCHORAGE

File Name: MA_40_WFH_20201120_AD_045

SHEET IDENTIFICATION
Wellfleet Harbor

Revision Number: 4.1-20191105



LEGEND

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US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

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WELLFLEET HARBOR
WELLFLEET, MASSACHUSETTS
AFTER DREDGE SURVEY

10-FOOT CHANNEL AND ANCHORAGE

File Name: MA_40_WFH_20201120_AD_045

SHEET IDENTIFICATION
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Revision Number: 4.1-20191105