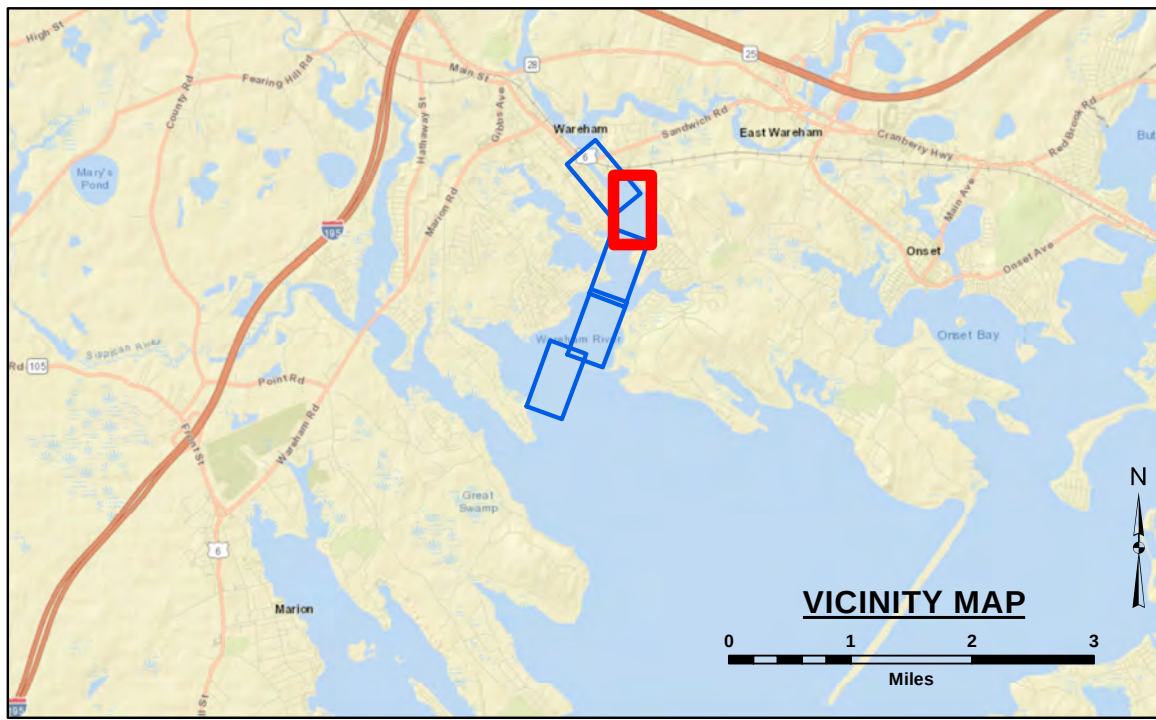
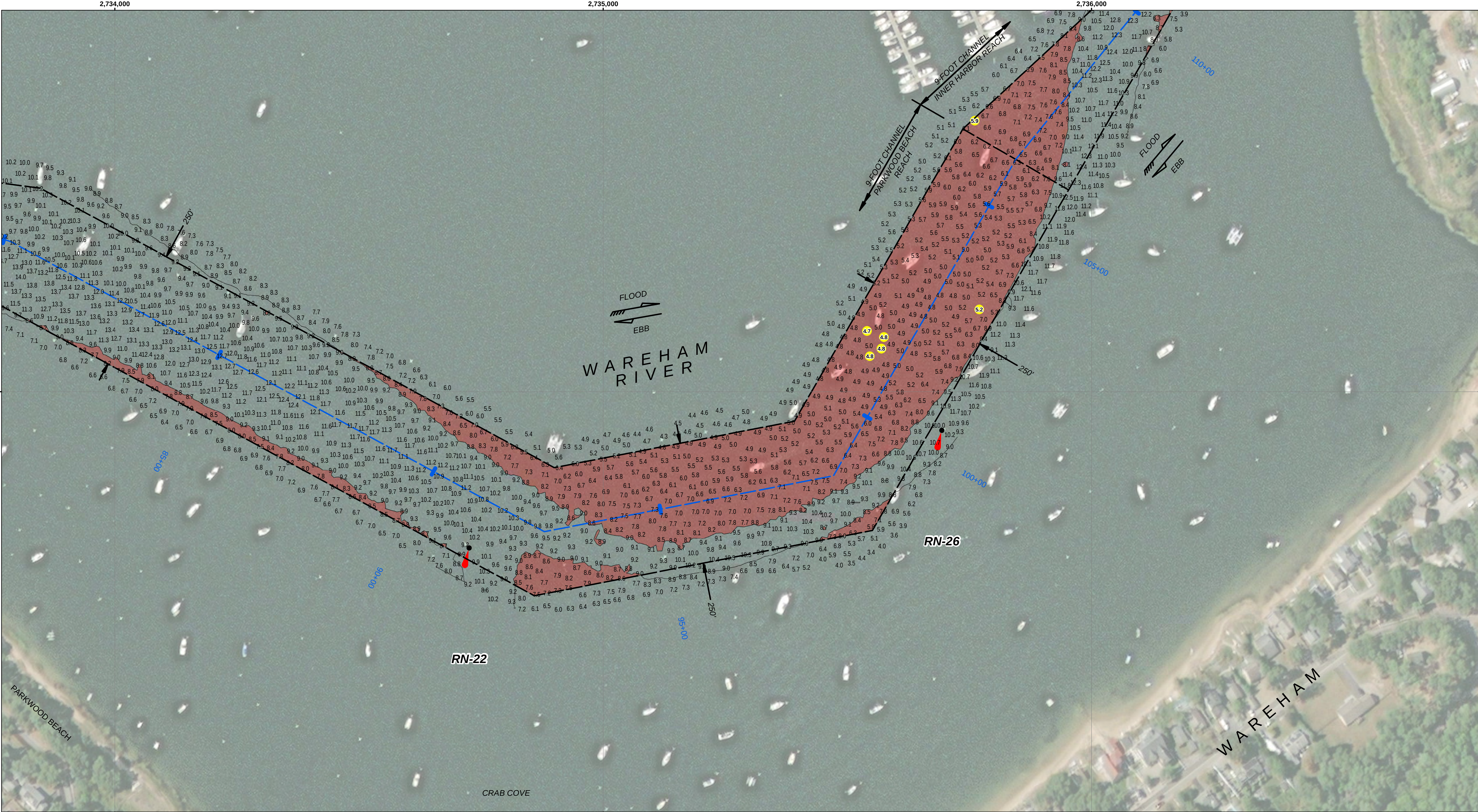




LEGEND

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

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: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: BM 7368E (2009)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4533
Survey No.: MA_59_WAH_20210609_CS_025
Reference NOAA Chart No.: 13236

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 June 2021. 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 2.38 feet to 2.41 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.1. ME/NH/MA region Version 2.3, in the vicinity of Wareham Harbor, Wareham, 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.

WAREHAM HARBOR
WAREHAM, MASSACHUSETTS
CONDITION SURVEY

9-FOOT CHANNEL

SHEET IDENTIFICATION
Wareham Harbor

Sheet 4 of 5

File Name: MA_59_WAH_20210609_CS_025

Revision Number: 4.2-20200420

US Army Corps of Engineers
District: CENAE

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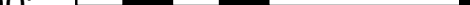
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	SURVEYED BY: MAJ	CHECKED BY: ZSM	ISSUE DATE: 7/13/2021
	SUBMITTED BY: Zachary McAvoy		
WAREHAM HARBOR WAREHAM, MASSACHUSETTS CONDITION SURVEY	APPROVED BY: NAE Survey	MAP DOCUMENT: MA_59_WAH_20210609_CS_025	
	SIZE: A151 D		

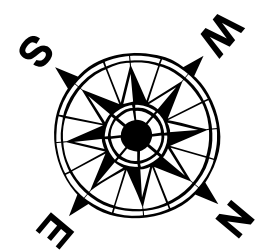


** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

100 0 100 200

1" = 100'  Feet



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.

Project Remarks
None

Water Level Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 2.38 feet to 2.41 feet. These corrections are referenced from NOAA's V-Datum Model Version 4.1, ME/NH/MA region Version 2.3, in the vicinity of Wareham Harbor, Wareham, 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.

**SHEET
IDENTIFICATION**
Wareham Harbor

Sheet 5 of 5