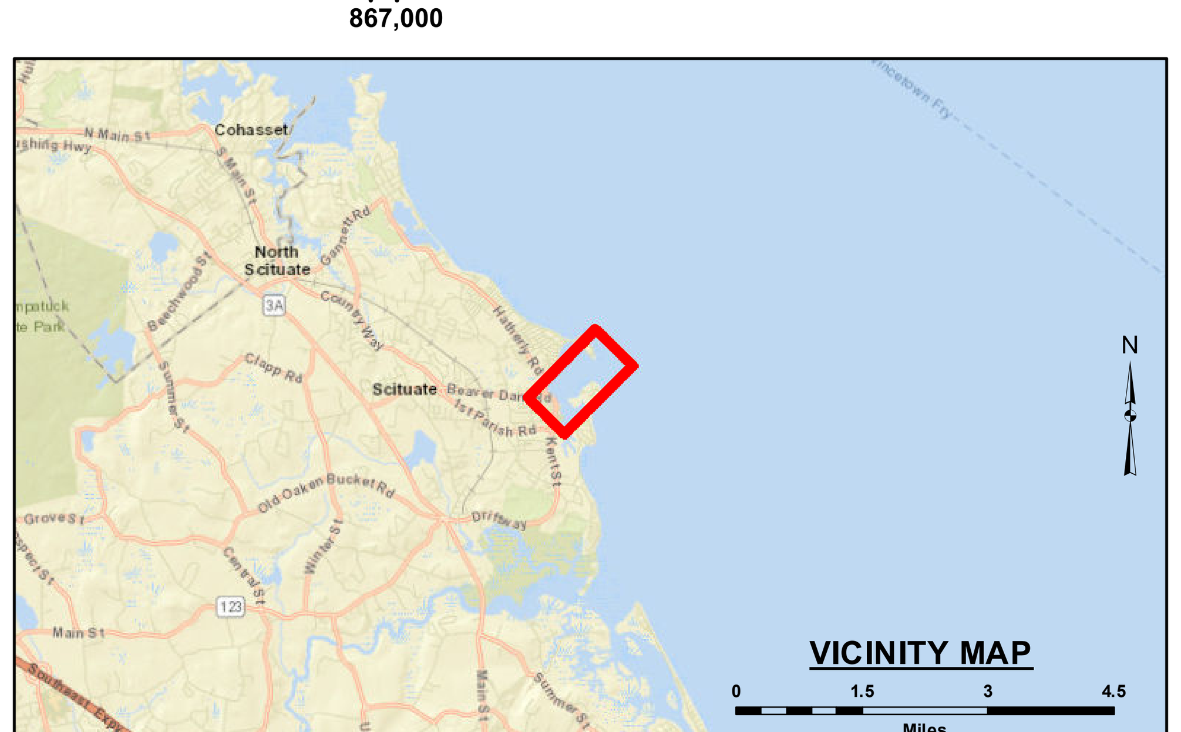

LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Pipes (Gas/Sewer)
- Contour Line
- Fixed Navigation Aids
- Obstruction Point
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

Notes:

Horizontal Datum: Mass Mainland, MA-2001
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: Popham Beach
Sonar System: Odom MK 3 (Single Trace)
Sounding Frequency: 200 kHz
Survey Method: RTK GPS TIDES
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Hanover
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 4948
Survey No.: 18-2491
Reference NOAA Chart No.: 13269

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 2018. 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. Volumes are determined from more

Project Remarks

None.

Bench Mark Information

Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 5.35 feet. This correction is referenced from NOAA's V-Datum Model in the vicinity of Scituate Harbor, Scituate, 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. The mean range of tide 8.9 feet.

US Army Corps of Engineers
District: CENAE

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Arthur Barnes
APPROVED BY: NAE Survey
Digitally signed by WYLLIE.KATRINA.ROSE.1399406567
Date: 2018.04.04 07:56:34 -04'00'

SURVEYED BY: FWP
CHECKED BY: AEB
ISSUE DATE: 4/3/2018
SIZE: ANSI D
MAP DOCUMENT: MA_31_SCI_20180312_CS_40

SCITUATE HARBOR
SCITUATE, MA
CONDITION SURVEY
10 AND 12-FOOT CHANNELS
8 AND 10-FOOT ANCHORAGES

File Name: MA_31_SCI_20180312_CS_40

SHEET IDENTIFICATION
Scituate Harbor

Sheet 1 of 1

Revison Number: 3.161-20180112