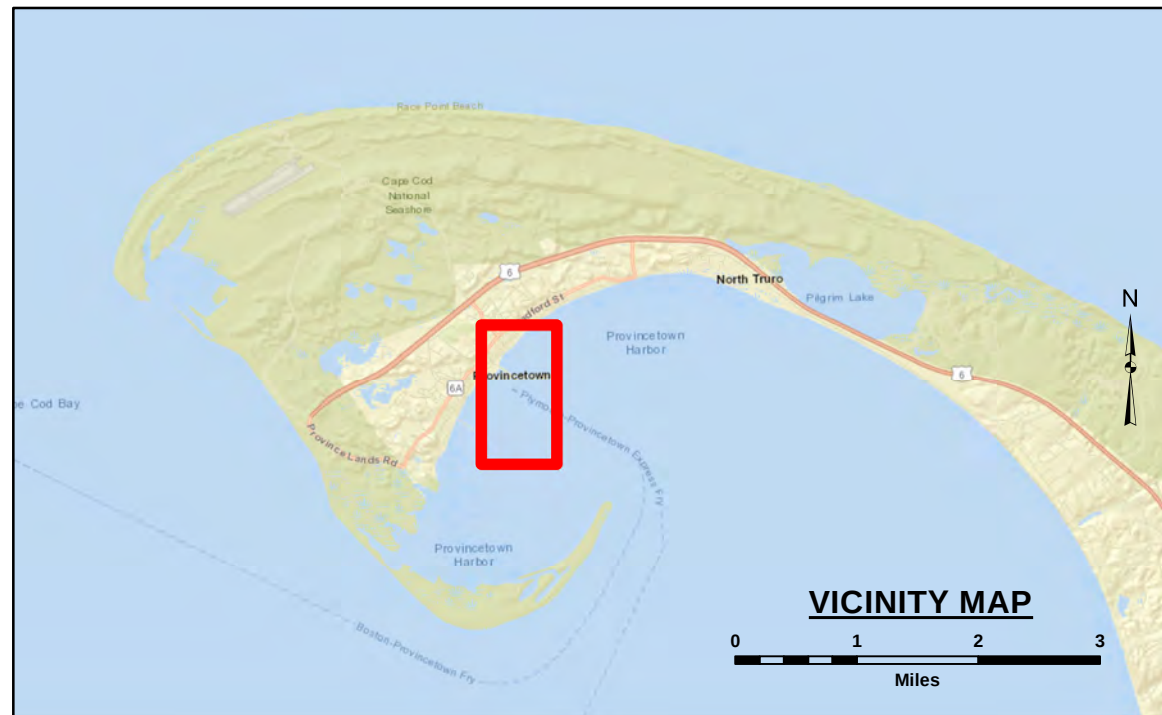




LEGEND

--- Federal Navigation Channel	✱ Fixed Navigation Aids
--- Channel Center Line	🚩 Red Navigation Buoy
..... Cable/Pipeline Area	🚩 Green Navigation Buoy
— Contour Line	🚩 Junction Buoy
— Marine Infrastructure *	🔴 Shoaling Area
	🟡 Shoalest Sounding**

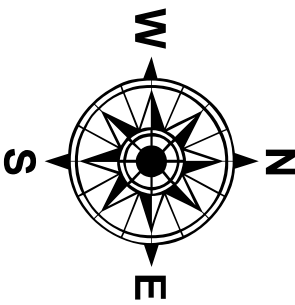
GRAPHIC SCALE

1" = 200'

200 0 200 400 Feet

Notes:

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey



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: Popham Beach
Sonar System: Odom MK-3 (Singlebeam Sonar)
Sounding Frequency: 200 kHz
Survey Method: RTK GPS Tides
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 3898
Survey No.: CUT_CS_2018_063
Reference NOAA Chart No.: 13249_1

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 February 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. Orthomagey 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 used for this project is 5.46 feet. This correction is referenced from NOAA's V-Datum Model Version 3.9, ME/NH/MA region Version 1.3, in the vicinity of Provincetown Harbor, Provincetown, 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.



DISCLAIMER
The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the Government makes no warranty, expressed or implied, as to the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data. The user is responsible for the results of any use of the data for any purpose other than that for which it was made. These data belong to the Government. Therefore the recipient may not transfer these data to others without also transferring the Disclaimer.

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		MAP DOCUMENT MA_41_PVC_20200211_CS_014	
SUBMITTED BY: Zachary McAvoy	SURVEYED BY: BJF	CHECKED BY: ZSM	ISSUE DATE: 3/19/2020
APPROVED BY: NAE Survey	SIZE ANSI D		

**PROVINCETOWN HARBOR
PROVINCETOWN, MASSACHUSETTS
CONDITION SURVEY**

13-FOOT CHANNEL

File Name: MA_41_PVC_20200211_CS_014

**SHEET
IDENTIFICATION**
Provincetown
Harbor
Sheet 1 of 1