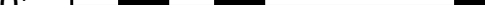
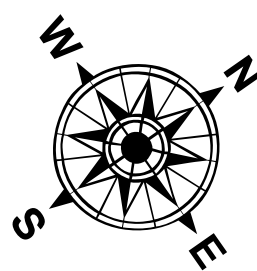


** Shoalest Sounding per Quarter per Reach

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.

The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during November 2019. The sounding information depicted on this map represents the results of surveys made on the dates indicated and can only be used for determining the location of the sounding at that time. The use of this information for aids to navigation were used during survey operations, are provided for information only and should not be used for navigation. Orthoregistry 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 data may have been updated to more accurately represent current 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

Tides were recorded using RTK GPS. The MLLW to NAVD88 correction used for this project is 5.78 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 Kingston Harbor, 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.

File Name: MA 34 KIN 20191126 CS 093

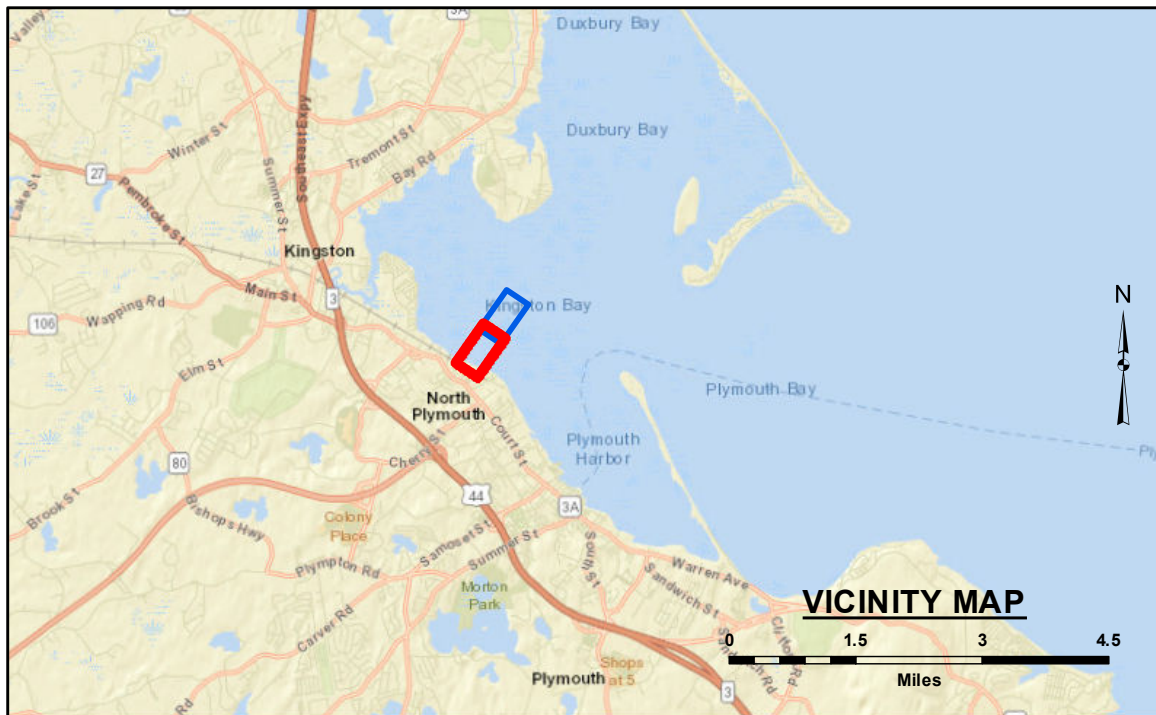
Sheet 1 of 2



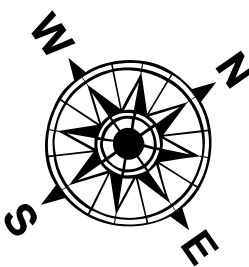
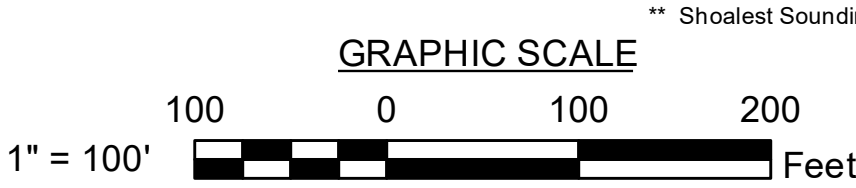
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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SURVIVED BY: RYP _____ CHECKED BY: WHW _____	
SUBMITTED BY: William Walker APPROVED BY: NAE Survey	ISSUE DATE: 12/17/2019 MAP DOCUMENT: MA_34_KN_20191202_CS_093 SIZE: ANSID		



- LEGEND**
- Federal Navigation Channel
 - Channel Center Line
 - Cable Submarine
 - Contour Line
 - ⊗ Obstruction Point
 - ⊗ Fixed Navigation Aids
 - 📍 Red Navigation Buoy
 - 📍 Green Navigation Buoy
 - Shoaling Area
 - Shoalest Sounding**



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 4960
Survey No.: MA_34_KIN_20191126_CS_093
Reference NOAA Chart No.: 13253

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 2019. 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. Orthomagery 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 5.78 feet. This correction is referenced from NOAA's V-Datum Model Version 3.9, ME/NIHMA region Version 1.3, in the vicinity of Kingston Harbor, 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.

**KINGSTON HARBOR
NORTH PLYMOUTH, MASSACHUSETTS
CONDITION SURVEY
6-FOOT CHANNEL**

File Name: MA_34_KIN_20191126_CS_093

**SHEET
IDENTIFICATION
Kingston Harbor**

Sheet 2 of 2

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		
SUBMITTED BY: William Walker		SURVEYED BY: FWP
APPROVED BY: NAE Survey		
		CHECKED BY: WHW
SIZE: ANSI D	MAP DOCUMENT: MA_34_KIN_20191126_CS_093	
		ISSUE DATE: 12/17/2019

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