



LEGEND

Cable Submarine

Cable Overhead

—

Contour Line

⊗

Obstruction Point

⊗

Fixed Navigation Aids

📍

Red Navigation Buoy

🟢

Green Navigation Buoy

🔴

Shoaling Area

🟡

Shoalest Sounding**

GRAPHIC SCALE

100

0

100

200

1" = 100' Feet

** Shoalest Sounding per Quarter per Reach

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
Sounding System: Odom MK III (single trace)
Sounding Frequency: 200 kHz
Survey Method: RTK GPS TIDES
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: Stations Jakes (2018) and MTS VRS IMAX
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 1752
Survey No.: BOS_CS_2018_016
Reference NOAA Chart No.: 13270

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 May 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. Orthomagny 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 sounding information than shown. Additional Sounding information is available upon request.

Project Remarks
None

Bench Mark Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 corrections for this project range from 5.59 feet at the entrance from Hingham Bay to 5.31 feet in the vicinity of Steamboat Wharf Marina. These corrections are referenced from NOAA's V-Datum Model (version 3.8). NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project.



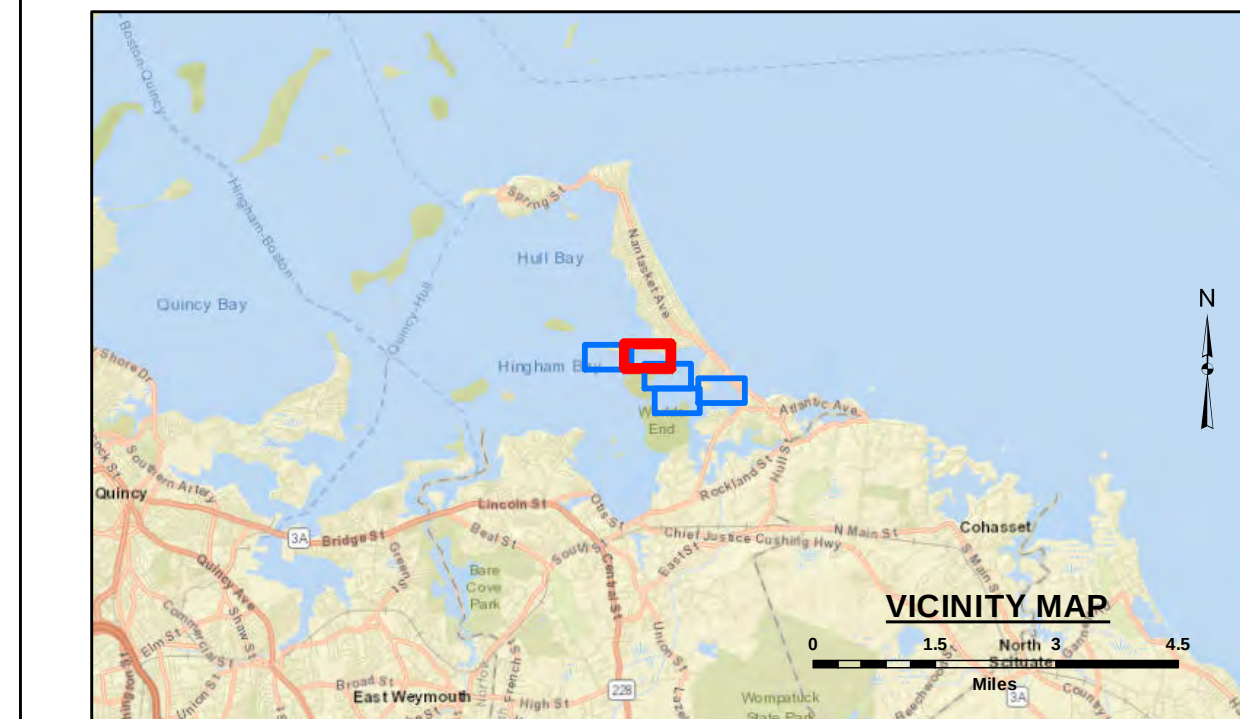
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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SURVEYED BY: FMP	CHECKED BY: AEB	ISSUE DATE: 3/30/2018
SUBMITTED BY: Arthur Barnes		APPROVED BY: NAE Survey		MAP DOCUMENT MA_24_BOS_20180509_CS_2018_016
SIZE ANSI D				

**WEIR RIVER
BOSTON MASSACHUSETTS
CONDITION SURVEY
12-FOOT FEDERAL CHANNEL**

File Name: MA_24_BOS_20180509_CS_2018_016

**SHEET
IDENTIFICATION
Nantasket Beach
(Weir River)
Sheet 1 of 5**



** Shoalest Sound

GRAPHIC SCALE

100 0 100 200

1" = 100'



Feet

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Project Remarks
None

Bench Mark Information

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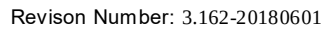
**SHEET
IDENTIFICATION**
**Nantasket Beach
(Weir River)**
Sheet 2 of 5

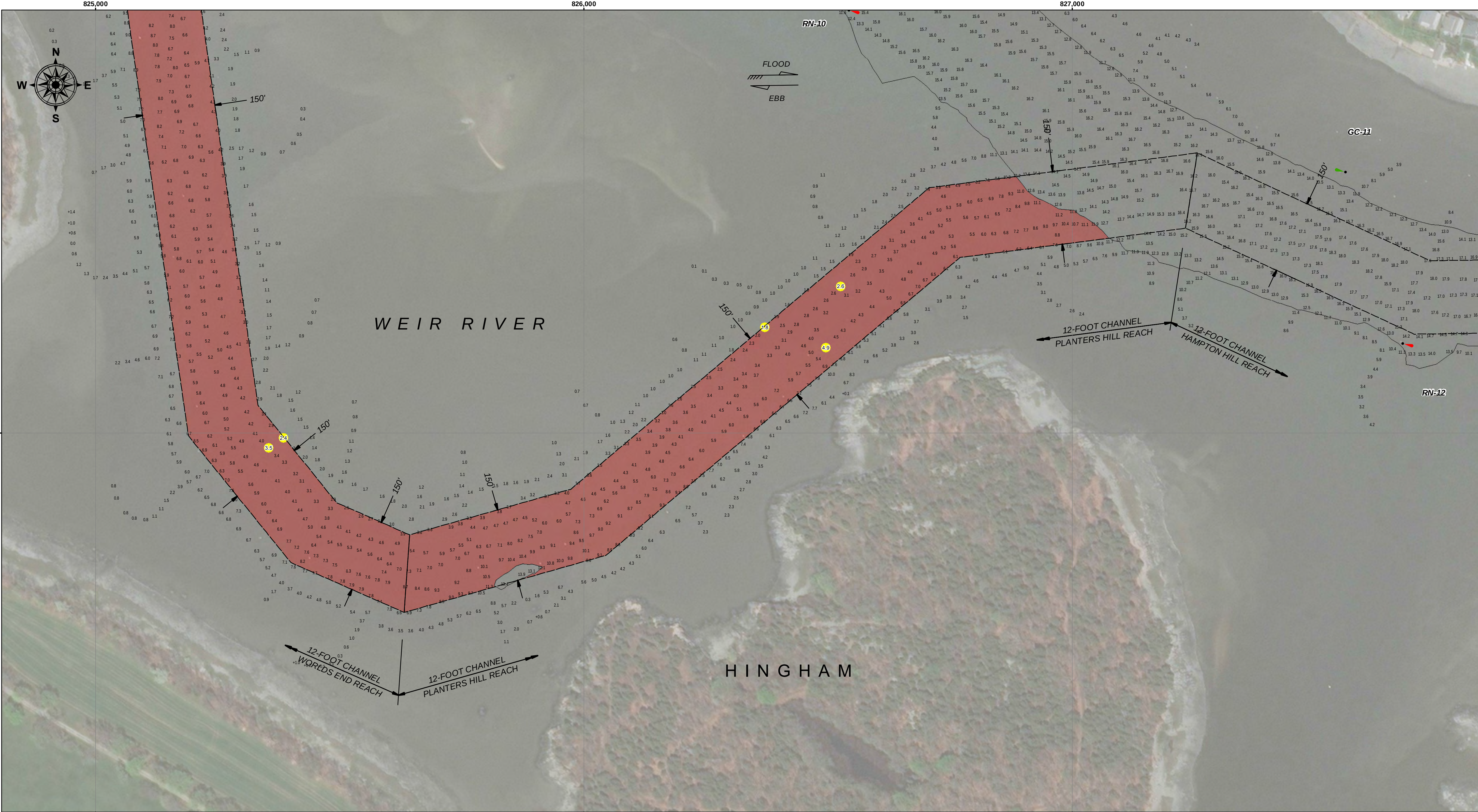


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File Name: MA 24 BOS 20180509 CS 2018 016





LEGEND

--- Federal Navigation Channel	✕ Fixed Navigation Aids
..... Cable Submarine	🚩 Red Navigation Buoy
- - - Cable Overhead	🟢 Green Navigation Buoy
— Contour Line	🔴 Shoaling Area
⊗ Obstruction Point	🟡 Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

1" = 100'

100 0 100 200 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 III (single trace)
 Sounding Frequency: 200 kHz
 Survey Method: RTK GPS TIDES
 GPS System: Trimble SPS 855 (RTK)
 RTK Base Station: Stations Jakes (2018) and MTS VRS IMAX
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 Sounding Sort Distance: 20'
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Project Remarks

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DISCLAIMER

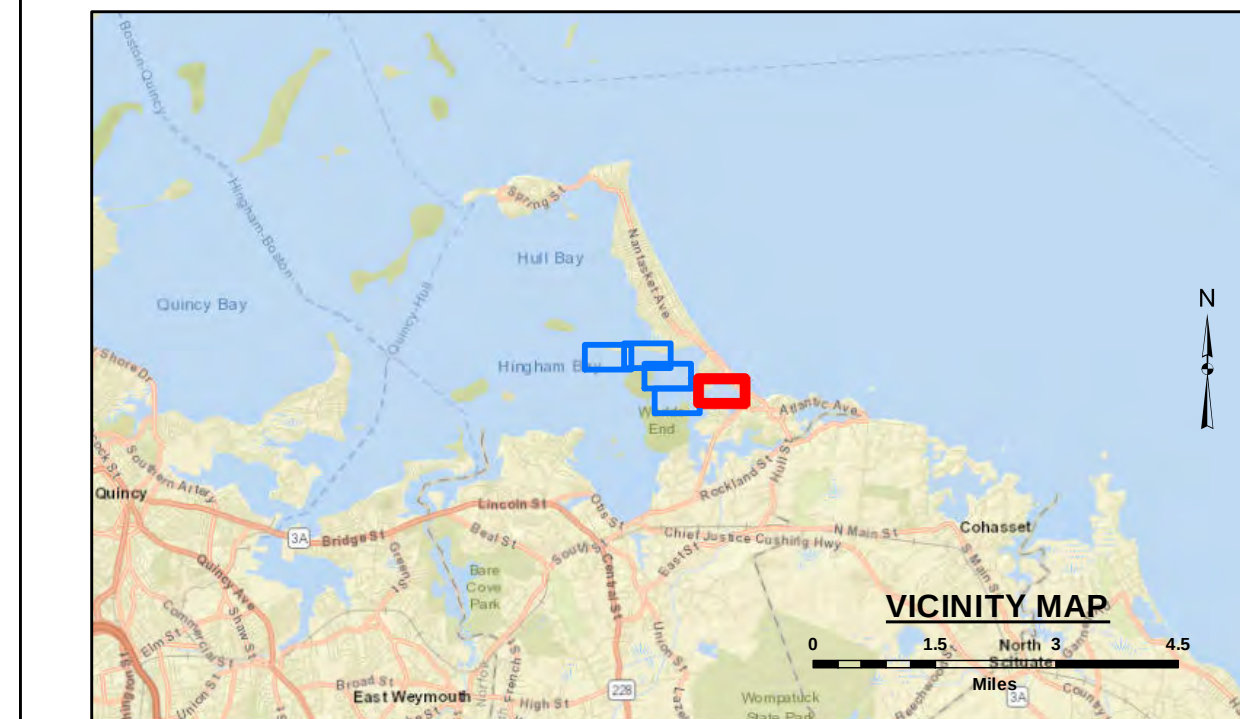
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SUBMITTED BY: Arthur Bames		APPROVED BY: NAE Survey		
MAP DOCUMENT MA_24_BOS_20180509_CS_2018_016		SIZE A1S1D		

**WEIR RIVER
BOSTON MASSACHUSETTS
CONDITION SURVEY
12-FOOT FEDERAL CHANNEL**

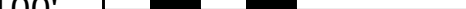
**SHEET
IDENTIFICATION
Nantasket Beach
(Weir River)
Sheet 4 of 5**



GRAPHIC SCALE

1" = 100'

100 0 100 200

 Feet

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Project Remarks
None

Bench Mark Information

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SUBMITTED BY: Arthur Barnes _____ APPROVED BY: NAE Survey _____	CHECKED BY: AEB _____	
SIZE: ANSI D	MAP DOCUMENT MA_24_B002_01050509_CS_2018_016	ISSUE DATE: 03/02/08

**WEIR RIVER
BOSTON MASSACHUSETTS
CONDITION SURVEY
12-FOOT FEDERAL CHANNEL**

**SHEET
IDENTIFICATION**
**Nantasket Beach
(Weir River)**
Sheet 5 of 5