811,000 812,000 813,000

2,922,000

WEYMOUTH FORE RIVER
(SEE MA_26_WEY)

HINGHAM BAY

WEYMOUTH BACK RIVER

FLOOD
EBB

15-FOOT CHANNEL
LOWER NECK REACH

GC-3
12-1
14-9
15-7
250'

15-FOOT CHANNEL
LOWER NECK REACH

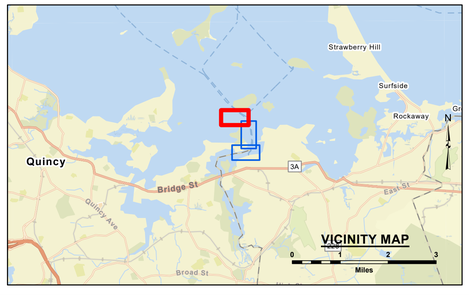
15-FOOT CHANNEL
MIDDLE REACH

0+00
5+00
10+00
15+00
20+00
25+00
200'

RN-2

WEYMOUTH
LOWER NECK

LOWER NECK COVE



LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Marine Infrastructure*
- 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

N W E S

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: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300-400 kHz
Survey Method: RTK GPS TIDES
GPS_System: Applanix POS MV (RTK)
RTK Base Station: MTS Smartnet Max (VRS)
Software Used: Hypack
Sounding Sort Distance: 30'
Field Books: R&H 4984
Survey No.: MA_28_WBR_20250421_CS_018
Reference NOAA Chart No.: US5BOSBE

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

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Project Remarks

Marine infrastructure surveyed with Lidar.

Water Level Information

Tides were recorded using RTK GPS. NAVD88 to MLLW corrections were logged utilizing NOAA's V-Datum regional model Maine/New Hampshire/Massachusetts Version 2.3. The corrections in the project area range from 5.57 feet to 5.58 feet. MLLW is below NAVD88; therefore, the correction should be added to NAVD88 to convert to MLLW (e.g.-10 NAV88 = -8 MLLW when using a 2-foot correction).

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: NCD
CHECKED BY: JAB
ISSUE DATE: 5/1/2025
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SIZE: ANSI D
MAP DOCUMENT: MA_28_WBR_20250421_CS_018

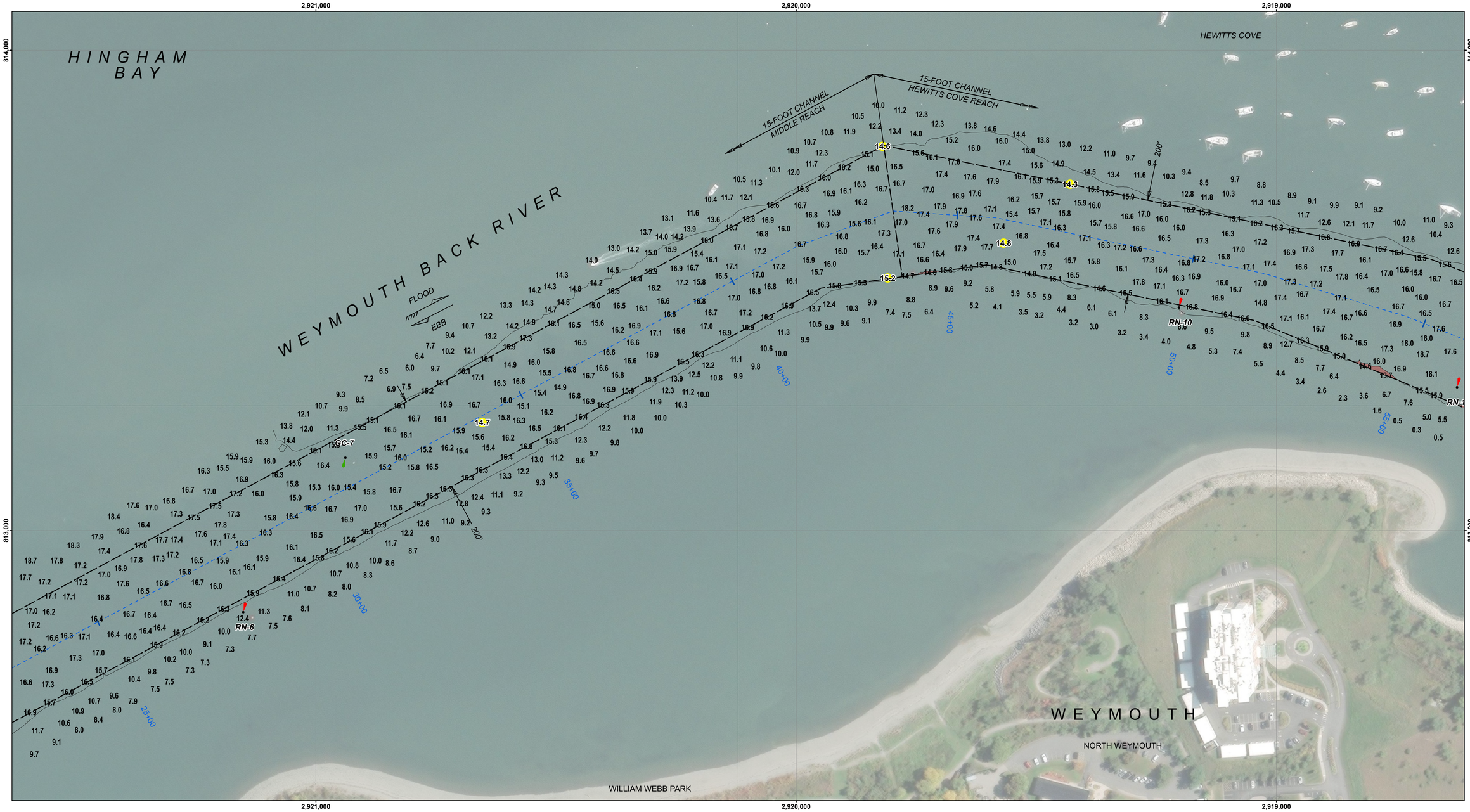
WEYMOUTH BACK RIVER
HINGHAM AND WEYMOUTH, MASSACHUSETTS
CONDITION SURVEY

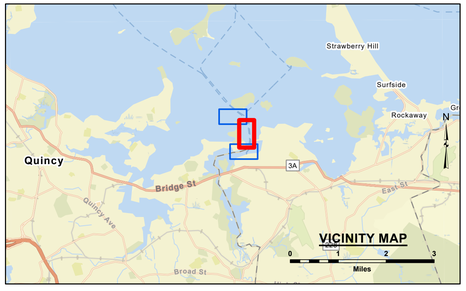
15-FOOT CHANNEL AND BASIN

File Name: MA_28_WBR_20250421_CS_018

SHEET IDENTIFICATION
Weymouth Back River
Sheet 1 of 3

Revision Number: 5.24.09.03-5.24.09.03





LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- Marine Infrastructure*
- 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: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 300-400 kHz
Survey Method: RTK GPS TIDES
GPS_System: Applanix POS MV (RTK)
RTK Base Station: MTS Smartnet Max (VRS)
Software Used: Hypack
Sounding Sort Distance: 30"
Field Books: R&H 4984
Survey No.: MA_28_WBR_20250421_CS_018
Reference NOAA Chart No.: US5BOSBE

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US Army Corps of Engineers
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: NCD
CHECKED BY: JAB
ISSUE DATE: 5/1/2025
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
MAP DOCUMENT: MA_28_WBR_20250421_CS_018
SIZE: ANSI D

WEYMOUTH BACK RIVER
HINGHAM AND WEYMOUTH, MASSACHUSETTS
CONDITION SURVEY

15-FOOT CHANNEL AND BASIN

File Name: MA_28_WBR_20250421_CS_018

SHEET IDENTIFICATION
Weymouth Back River
Sheet 2 of 3

Revision Number: 5.24.09.03-5.24.09.03

812,000 813,000 814,000

2,918,000

WEYMOUTH
EASTERN NECK

DILAPIDATED PILES

15-FOOT BASIN
EASTERN NECK REACH

15-FOOT CHANNEL
HEWITTS COVE REACH

WEYMOUTH BACK RIVER

FLOOD

EBB

HEWITTS COVE

HEWITTS COVE MARINA

HINGHAM SHIPYARD MARINA

HINGHAM

RN-12

13.6

14.1

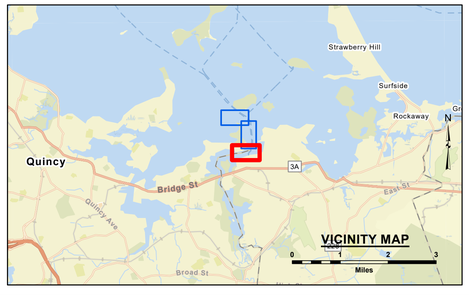
55+00

60+00

33+00

2,918,000

812,000 813,000 814,000



LEGEND

- Federal Navigation Channel
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- Marine Infrastructure*
- Channel Center Line
- Contour Line
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy
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** Shoalest Sounding per Quarter per Reach

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N W E S

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SURVEYED BY: NCD
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ISSUE DATE: 5/1/2025

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

MAP DOCUMENT: MA_28_WBR_20250421_CS_018

SIZE: ANSI D

WEYMOUTH BACK RIVER HINGHAM AND WEYMOUTH, MASSACHUSETTS CONDITION SURVEY

15-FOOT CHANNEL AND BASIN

File Name: MA_28_WBR_20250421_CS_018

SHEET IDENTIFICATION
Weymouth Back River
Sheet 3 of 3

Revision Number: 5.24.09.03-5.24.09.03