228,000 227,000 226,000 225,000 224,000 223,000

385,000 384,000 383,000

BRISTOL

FLOOD

EBB

12-FOOT AREA

RN-2

RN-6

RN-8

GC-5

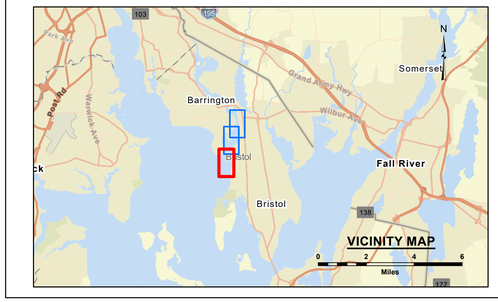
GC-3

FLG-1

BARRINGTON

RUMSTICK POINT

WARREN RIVER



LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable or Pipeline Area
- Contour Line
- Marine Infrastructure*
- Obstruction Point
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Yellow Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

1" = 200' 200 0 200 400 Feet

Notes:
Horizontal Datum: Rhode Island, RI-3800 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: Between 300-400 kHz
Survey Method: RTK GPS TIDES
GPS_System: Applanix POS MV (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4984
Survey No.: RI_03_WAR_20250212_CS_010
Reference NOAA Chart No.: ENC US5MA1HB

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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 Connecticut/Rhode Island Version 4.4. The corrections in the project area range from 2.35 feet to 2.37 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: WHW
ISSUE DATE: 2/19/2025
SUBMITTED BY: Joshua Bromberg
APPROVED BY: NAE Survey
MAP DOCUMENT: RI_03_WAR_20250212_CS_010
SIZE: ANSI D

WARREN RIVER
WARREN, RHODE ISLAND
CONDITION SURVEY

12-FOOT NATURAL CHANNEL

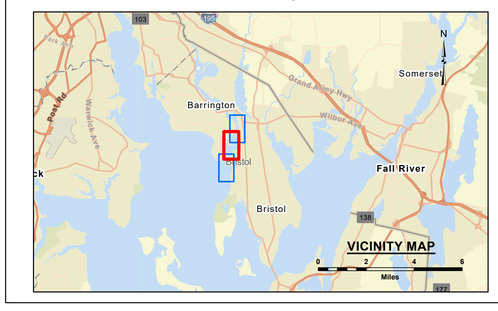
File Name: RI_03_WAR_20250212_CS_010

SHEET IDENTIFICATION
Warren River

Sheet 1 of 3

Revison Number: 5.24.09.03-5.24.09.03





LEGEND

- Federal Navigation Channel
- Channel Center Line
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- Red Navigation Buoy
- Green Navigation Buoy
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- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

200 0 200 400

1" = 200' Feet

N E S W

Notes:
Horizontal Datum: Rhode Island, RI-3800 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: Between 300-400 kHz
Survey Method: RTK GPS TIDES
GPS_System: Applanix POS MV (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 50'
Field Books: R&H 4984
Survey No.: RI_03_WAR_20250212_CS_010
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Joshua Bromberg
APPROVED BY: NAE Survey

SURVEYED BY: NCD
CHECKED BY: WHW
ISSUE DATE: 2/19/2025

MAP DOCUMENT: RI_03_WAR_20250212_CS_010
SIZE: ANSI D

WARREN RIVER
WARREN, RHODE ISLAND
CONDITION SURVEY

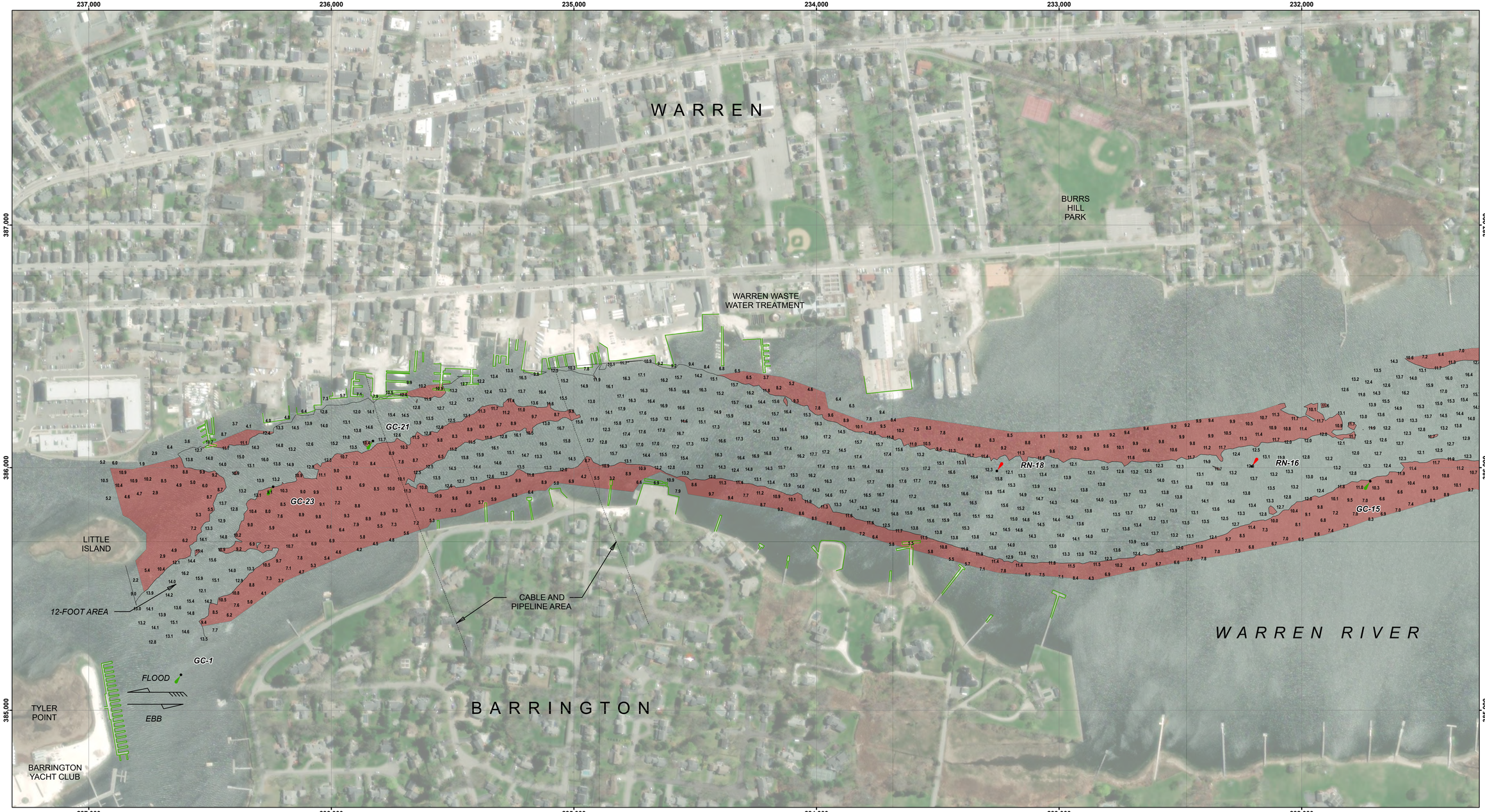
12-FOOT NATURAL CHANNEL

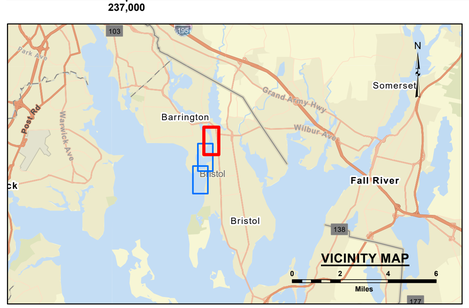
File Name: RI_03_WAR_20250212_CS_010

SHEET IDENTIFICATION
Warren River

Sheet 2 of 3

Revison Number: 5.24.09.03-5.24.09.03





LEGEND

- Federal Navigation Channel
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** Shoalest Sounding per Quarter per Reach

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N E S W

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US Army Corps of Engineers
District: CENAE

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NEW ENGLAND DISTRICT

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WARREN RIVER
WARREN, RHODE ISLAND
CONDITION SURVEY

12-FOOT NATURAL CHANNEL

File Name: RI_03_WAR_20250212_CS_010

SHEET IDENTIFICATION
Warren River

Sheet 3 of 3

Revison Number: 5.24.09.03-5.24.09.03