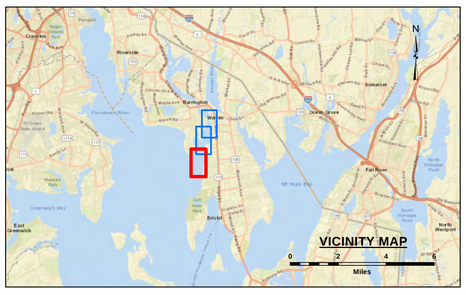

LEGEND

- Federal Navigation Channel
- Cable or Pipe Areas
- 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

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: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK, GPS TIDES
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Max
Software Used: Hypack
Sounding Sort Distance: 40'
Field Books: R&H 2407
Survey No.: RI_03_WAR_20200511_CS_031
Reference NOAA Chart No.: 13221

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.

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Project Remarks
None

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 2.44 feet. This correction is referenced from NOAA's V-Datum Model Version 3.9, NY/CT/RI Region Version 2.2 in the vicinity of Warren River, Warren and Barrington, Rhode Island.NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project.

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: Surveyor_By_IN
CHECKED BY: ZSM
ISSUE DATE: 6/19/2020
SIZE: ANSI D
MAP DOCUMENT: RI_03_WAR_20200511_CS_031

WARREN RIVER
WARREN, RHODE ISLAND
CONDITION SURVEY

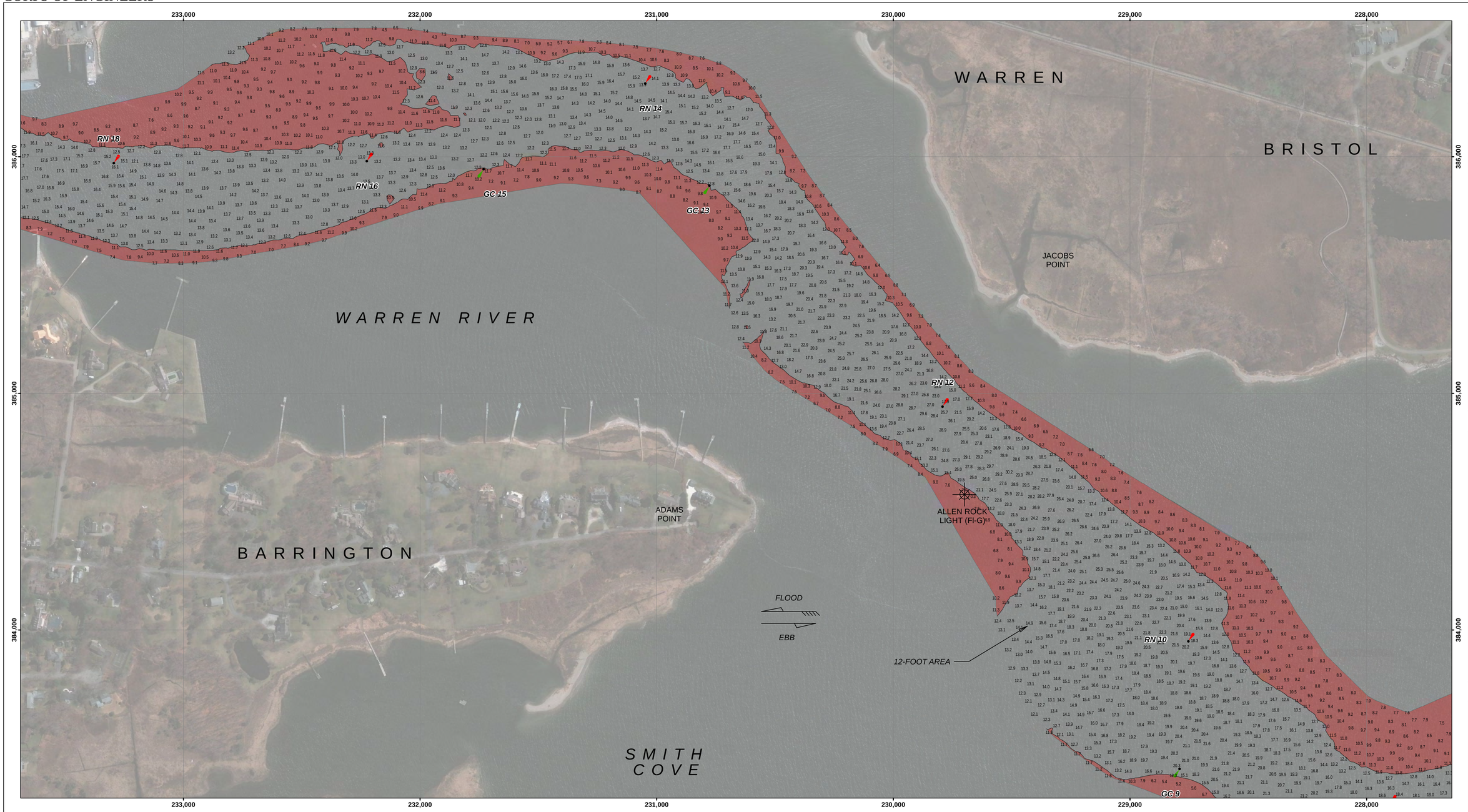
12-FOOT NATURAL CHANNEL

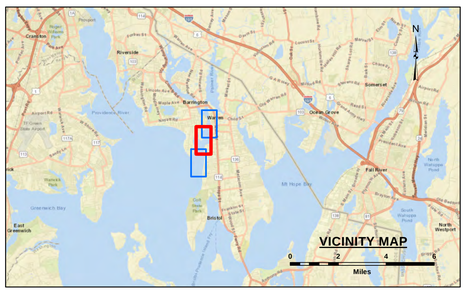
File Name: **RI_03_WAR_20200511_CS_031**

SHEET IDENTIFICATION
Warren River

Sheet 1 of 3

Revison Number: 4.1-20191105





LEGEND

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** Shoalest Sounding per Quarter per Reach

GRAPHIC SCALE

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Notes:
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Depth Units:U.S. Survey Feet
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Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK, GPS TIDES
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: MTS Smartnet Max
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Sounding Sort Distance: 40'
Field Books: R&H 2407
Survey No.: RI_03_WAR_20200511_CS_031
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: Surveyed_By_IN
CHECKED BY: ZSM
ISSUE DATE: 6/19/2020
SIZE: ANSI D
MAP DOCUMENT: RI_03_WAR_20200511_CS_031

WARREN RIVER
WARREN, RHODE ISLAND
CONDITION SURVEY

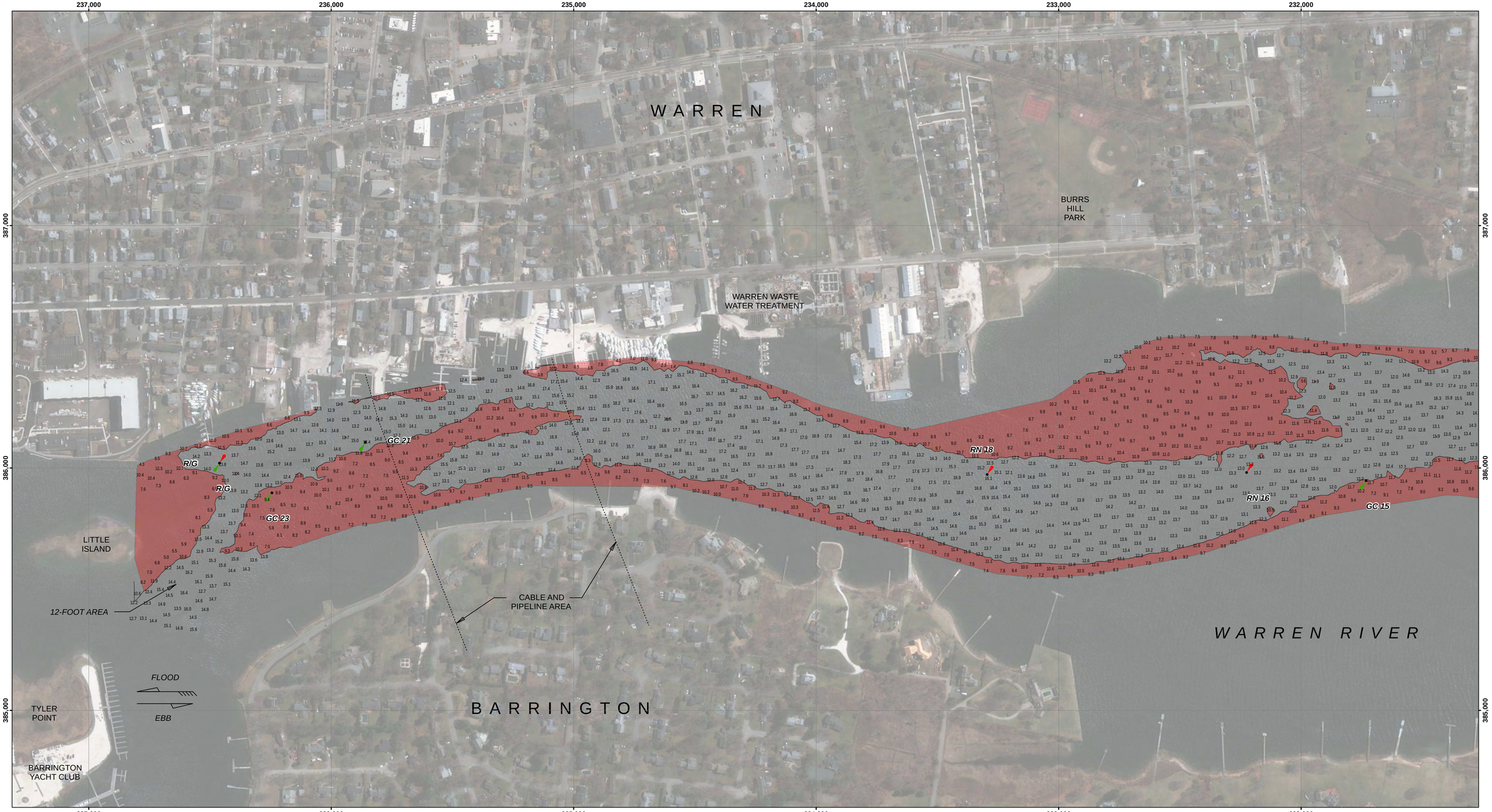
12-FOOT NATURAL CHANNEL

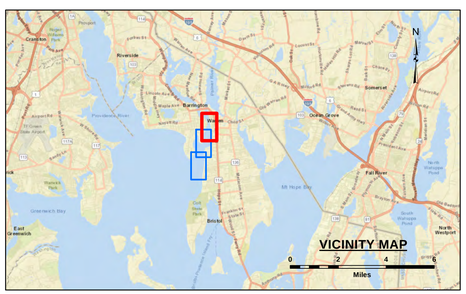
File Name: RI_03_WAR_20200511_CS_031

SHEET IDENTIFICATION
Warren River

Sheet 2 of 3

Revison Number: 4.1-20191105





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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

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WARREN RIVER
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12-FOOT NATURAL CHANNEL

File Name: RI_03_WAR_20200511_CS_031

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Sheet 3 of 3

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