



GENERAL NOTES:

1. Soundings are in feet and tenths. The reference plane is Mean Lower Low Water (MLLW) and is based on the 1983-2001 Tidal Epoch. Soundings noted with a (+) are above the reference plane of MLLW. Soundings without a sign are below the reference plane of MLLW, and should be considered negative.
2. Topography shown is from previous surveys, aerial imagery and/or NOAA Chart No. 13221. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Bench Mark Data: Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 2.34 feet. The correction is referenced from NOAA's V-Datum Model in the vicinity of Apponaug Cove, 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. The average high tide is 4.1 feet above MLLW.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Rhode Island (Zone 3800), NAD 1983 and are based on U.S. Survey Feet.
5. Survey was performed using a R2 Sonic 2024 Multibeam Sonar System operating at 300 kHz. Horizontal positioning and real time tide readings were recorded utilizing a Leica 1200 RTK GPS System. The RTK base station used was TBM E Dock (2005).
6. The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during May 2015.
7. The sounding 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.
8. The 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.
9. Field Book: R&H 3914

6-Foot depth contour shown thus:
 Surveyed by: Robert MacGovern and crew
 Refer to Survey No. 15-1363

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-4	5/12/15	N 220303.73 E 343036.00	41°-41'-16.6"N 71°-26'-42.9"W
RN-6	5/12/15	N 221703.11 E 343130.43	41°-41'-30.4"N 71°-26'-41.7"W
GC-7	5/12/15	N 222165.79 E 342708.82	41°-41'-35.0"N 71°-26'-47.2"W
RN-8	5/12/15	N 222689.42 E 342229.95	41°-41'-40.1"N 71°-26'-53.5"W

PLAN
SCALE: 1" = 100'



US Army Corps of Engineers
New England District

DATE: 6/15/2015
DRAWN BY: JWP
DESIGNED BY: JWP
CHECKED BY: JWP
DESIGN FILE: 15-1363.dwg
DRAWING CODE: APP-17
PLOT SCALE: 1" = 100'
PLOT DATE: 6/15/2015
PLOT BY: JWP

REVIEWED BY: Robert MacGovern
SUBMITTED BY: Robert MacGovern
DESIGNED BY: Robert MacGovern
CHECKED BY: Robert MacGovern
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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.usace.army.mil

APPONAUG COVE
WARWICK, RHODE ISLAND
CONDITION SURVEY

6-FOOT CHANNEL AND ANCHORAGE

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1