

US Army Corps of Engineers  
New England District

REVIEWED BY: ADRIEN B. LUSSIER  
DATE: MARCH 17, 2017  
DRAWING CODE: 17-1442

DESIGNED BY: ADRIEN B. LUSSIER  
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PROJECT: SAGAMORE CREEK AFTER DREDGE SURVEY

FILE NAME: 17-1442.dwg  
SIZE: 1,000,000 bytes

NO.	DATE	DESCRIPTION	APPROVED

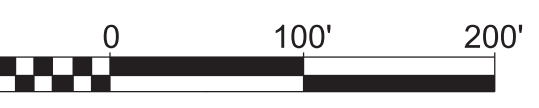
SHEET IDENTIFICATION  
**V-101**  
SHEET 1 OF 1

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-2	03/13/17	N 83198.19 E 2800757.78	43°-03'-36.7"N 70°-44'-07.4"W
GC-13	03/13/17	N 82895.80 E 2801941.92	43°-03'-33.8"N 70°-43'-51.4"W
RN-16	03/13/17	N 82202.14 E 2800022.83	43°-03'-26.8"N 70°-44'-17.2"W

- GENERAL NOTES:**
- 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.
  - TOPOGRAPHY SHOWN IS FROM PREVIOUS SURVEYS, AERIAL IMAGERY AND/OR NOAA CHART NO. 13283. ALL TOPOGRAPHY, INCLUDING SHORELINE, BRIDGES, PIERS, ETC., IS LOCATED APPROXIMATE UNLESS OTHERWISE NOTED AND SHOULD BE USED AS A GENERAL REFERENCE ONLY.
  - BENCH MARK DATA: TIDES WERE RECORDED USING RTK GPS. THE MLLW TO NAVD88 CORRECTION FOR THIS PROJECT IS 4.80 FEET. THE CORRECTION IS REFERENCED FROM NOAA'S V-DATUM MODEL IN THE VICINITY OF BLUNTS ISLAND, RYE, NEW HAMPSHIRE. 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 RANGE OF TIDE IS 8.6 FEET.
  - COORDINATES SHOWN ARE BASED ON THE TRANSVERSE MERCATOR GRID SYSTEM FOR THE STATE OF MAINE (WEST ZONE 1802), NAD 1983 AND ARE BASED ON U.S. SURVEY FEET.
  - SURVEY WAS PERFORMED USING A RESON 7125 MULTIBEAM SONAR SYSTEM OPERATING AT 400 KHZ. HORIZONTAL POSITIONING AND REAL TIME TIDE READINGS WERE RECORDED UTILIZING A TRIMBLE SPS 855 RTK GPS SYSTEM. THE RTK BASE STATION USED WAS STATION WITCH (2007).
  - THE SOUNDING INFORMATION SHOWN ON THIS MAP REPRESENTS THE SHOALEST SOUNDINGS OF THOSE OBTAINED FROM HYDROGRAPHIC SURVEYS CONDUCTED DURING MARCH 2017. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
  - 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.
  - FIELD BOOK: R&H 4353  
6-FOOT DEPTH CONTOUR SHOWN THUS:   
SURVEYED BY: ADRIEN B. LUSSIER AND CREW  
REFER TO SURVEY NO. 17-1442

**SAFETY RAYS**

GRAPHIC SCALE:  
1" = 100'



PLAN  
SCALE: 1" = 100'