

US Army Corps of Engineers District: CENAE

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	
SUBMITTED BY: Zachary McAvoy	SURVEYED BY: IN
APPROVED BY: NAE Survey	CHECKED BY: ZSM
NAE DOCUMENT RL_10_GRB_20191205_CS_103	ISSUE DATE: 1/22/2020
SIZE: ANSI D	

**GREENWICH BAY
WARWICK, RHODE ISLAND
CONDITION SURVEY
10-FOOT CHANNEL**

File Name: RL_10_GRB_20191205_CS_103



LEGEND

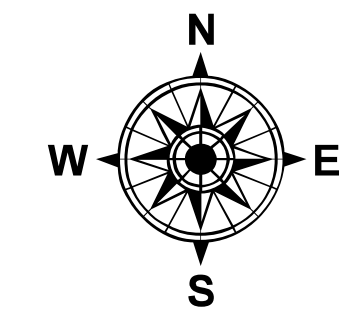
- Federal Navigation Channel
- Channel Center Line
- Cable or Pipe Area
- Contour Line
- Marine Infrastructure **
- ✳ Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding*

* Shoalest Sounding per Quarter per Reach
** Present at time of Shown Survey

GRAPHIC SCALE

1" = 100'

0 100 200 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: POPHAM BEACH
 Sonar System: ODOM MK 3 (Singlebeam Sonar)
 Sounding Frequency: 200 KHz
 Survey Method: RTK GPS Tides
 GPS System: Trimble SPS 855 (RTK)
 RTK Base Station: MTS Smartnet Max
 Software Used: Hypack
 Sounding Sort Distance: 20'
 Field Books: R&H 4506
 Survey No.: RL_10_GRB_20191205_CS_103
 Reference NOAA Chart No.: 13224

General Notes
 The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during December 2019. The sounding 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. The positions of aids to navigation were located during survey operations, are provided for information only and should not be used for navigation. Orthomagnery is from a variety of sources and dates and is intended to portray general characteristics of the shoreline and other features. Temporal changes may have occurred since this dataset was collected and some parts may no longer be an accurate representation of the conditions. The information depicted on this map should NOT be used to determine volumes as volumes are determined from more sounding information than shown.

Project Remarks
 Marine infrastructure surveyed by topographic methods.

Water Level Information
 Tides were recorded using RTK GPS. The MLLW to NAVD88 correction used for this project is 2.73 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 Greenwich Bay, Warwick and Greenwich, 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 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.

SHEET IDENTIFICATION
 Greenwich Bay
 Sheet 1 of 1