

LEGEND

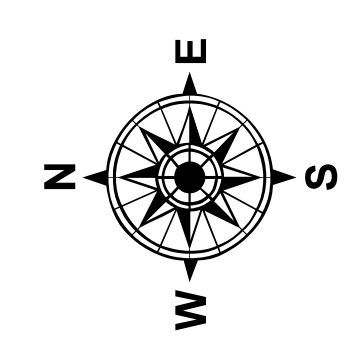
- Federal Navigation Channel
- Channel Center Line
- Cable or Pipeline Area
- Contour Line
- ⊗ Obstruction Point
- Marine Infrastructure*
- ⊗ Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at time of 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: 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: Station TBM BASIN (2008)
 Software Used: Hypack
 Sounding Sort Distance: 20'
 Field Books: R&H 4971
 Survey No.: RI_16_BHR_20210211_AD_007
 Reference NOAA Chart No.: 13217

General Notes
 The soundings information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during February 2021. The soundings 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. Orthoimagery 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 with Lidar.

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.

Water Level Information
 Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 1.80 feet. This correction is referenced from NOAA's V-Datum model Version 4.1, NYCT/RI Region Version 3.4, in the vicinity of Harbor Of Refuge, New Shoreham, Block Island, 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.



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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SIZE: A3SID		

**HARBOR OF REFUGE
BLOCK ISLAND, RHODE ISLAND**

**AFTER DREDGE SURVEY
15-FOOT CHANNEL
15-FOOT ANCHORAGE AND BASIN**

File Name: RI_16_BHR_20210211_AD_007

SHEET IDENTIFICATION
Harbor of Refuge

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