

BLOCK ISLAND, RHODE ISLAND
Grace Point - Charleston Beach - New Harbor Inlet

SHORELINE CHANGE 1952-2016

Bryan A. Oakley, Robert J. Hollis, Alexia N. Bohnenkamper
Scott A. Rasmussen and Jon C. Boothroyd

With contributions from Michael A. Manzi, Samantha L. Boyle and Joshua Bartosiewicz

DIGITAL SHORELINE ANALYSIS

DSAS Transect

Baseline

EXPLANATION

SHORELINE

Wet/Dry Lines

1952

2016

SHORELINE CHANGE

Transect ID

Shoreline Change Distance

Shoreline Change Rate

26

-42.1 ft

-12.85 m

-0.7 ft/yr

-0.20 m/yr

Scale

0 500 1,000 ft

0 100 200 m

2016 RI Eelgrass Taskforce Orthophotograph Base

THE UNIVERSITY OF RHODE ISLAND

COLLEGE OF THE ENVIRONMENT AND LIFE SCIENCES

EASTERN CONNECTICUT UNIVERSITY

CRMC

RIGIS

15 August 2017

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1,000 ft

0 100 200 300 400 500 600 700 800 900 1,000 m

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1,000 ft

0 100 200 300 400 500 600 700 800 900 1,000 m

