NARRAGANSETT BAY, RHODE ISLAND:
Portsmouth-Prudence, Sandy Point

SHORELINE CHANGE 1939-2003

Rachel E. Hehre and Jon C. Boothroyd

EXPLANATION

DIGITAL SHORELINE ANALYSIS

- 128 DSAS Transect
- Baseline

SHORELINE

High Water Lines

- 1939
- 1975
- 2003

SHORELINE CHANGE

End Point Distance 27.5 ft 8.4 m

End Point Rate 0.4 ft 0.13 m

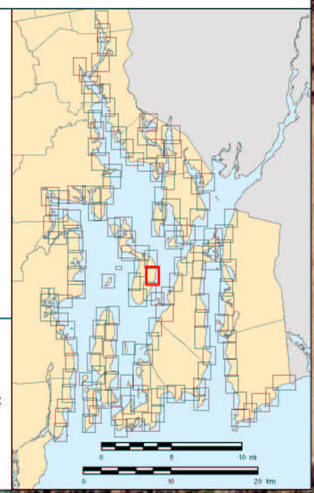
RHODE ISLAND GEOLOGICAL SURVEY
UNIVERSITY OF Rhode Island
CRMC
RIGIS

Scale

0 500 1,000 ft

0 100 200 m

2003 USGS Orthophoto Base



2055 -25.5 ft -0.4 ft -7.77 m -0.12 m

2056 -32.3 ft -0.5 ft -9.83 m -0.16 m

2057 -36.8 ft -0.6 ft -11.23 m -0.18 m

2058 -23.5 ft -0.4 ft -7.15 m -0.11 m

2059 -19.5 ft -0.3 ft -5.93 m -0.09 m

2060 -16.4 ft -0.3 ft -4.99 m -0.08 m

2061 -20.5 ft -0.3 ft -6.25 m -0.1 m

2062 -9.0 ft -0.1 ft -2.75 m -0.04 m

2063 -11.0 ft -0.2 ft -3.35 m -0.05 m

2064 1.8 ft 0.03 ft 0.55 m 0.01 m

2065 -24.9 ft -0.4 ft -7.58 m -0.12 m

2066 0.8 ft 0.0 ft 0.25 m 0.0 m

2067 -22.5 ft -0.4 ft -6.85 m -0.11 m

2068 43.8 ft 13.34 m

2069 4.4 ft 1.33 m

2070 0.07 ft 0.02 m 0.7 ft 0.21 m

-6.9 ft -2.11 m -0.1 ft -0.03 m

2071 -5.6 ft -1.71 m -0.1 ft -0.03 m

2072 -5.4 ft -1.96 m -0.1 ft -0.03 m

2073 -0.7 ft -0.22 m 0.0 ft 0.0 m

2074 -12.7 ft -3.86 m -0.2 ft -0.06 m

2075 -11.8 ft -3.59 m -0.2 ft -0.06 m

2076 -23.3 ft

Feb 05, 2007