NARRAGANSETT BAY, RHODE ISLAND:
Little Compton, Church Cove

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

GEOLOGICAL SURVEY RHODE ISLAND

UNIVERSITY OF Rhode Island

CRMC

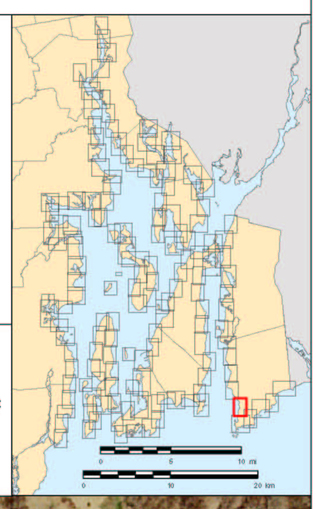
RIGIS

Scale

0 500 1,000 ft

0 100 200 m

2003 USGS Orthophoto Base



4098 -0.15 m; -0.9 ft -0.26 m; -53.7 ft -16.37 m

4099 -0.7 ft -0.21 m; -43.5 ft -13.27 m

4100 -0.5 ft -0.16 m; -33.3 ft -10.16 m

4101 -0.5 ft -0.14 m; -30.4 ft -9.26 m

4102 -0.5 ft -0.16 m; -33.2 ft -10.13 m

4103 -0.4 ft -0.12 m; -25.7 ft -7.83 m

4104 -0.1 ft -0.03 m; -7.3 ft -2.22 m

4105 -0.1 ft -0.03 m; -7.3 ft -2.24 m

4106 -0.3 ft -0.09 m; -19.8 ft -6.03 m

4107 -0.5 ft -0.16 m; -33.6 ft -10.24 m

4108 -0.8 ft -0.25 m; -52.3 ft -15.93 m

4109 -1.0 ft -0.32 m; -67.8 ft -20.67 m

4110 -1.0 ft -0.31 m; -64.3 ft -19.61 m

4111 -1.0 ft -0.29 m; -61.5 ft -18.74 m

4112 -0.2 ft -0.07 m; -15.7 ft -4.78 m

4113 -0.3 ft -0.09 m; -19.8 ft -6.02 m

4114 -0.5 ft -0.16 m; -32.9 ft -10.04 m

4115 -0.4 ft -0.13 m; -27.2 ft -8.28 m

4116 -0.3 ft -0.08 m; -16.3 ft -4.97 m

4117 -0.1 ft -0.04 m; -9.1 ft -2.76 m

4118 -0.4 ft -0.11 m; -22.9 ft -6.99 m

4119 -0.3 ft -0.1 m; -20.0 ft -6.11 m

4120 -0.1 ft -0.04 m; -8.0 ft -2.43 m

4121 -0.3 ft -0.09 m; -19.8 ft -6.05 m

Feb 15, 2007