NARRAGANSETT BAY, RHODE ISLAND:
North Kingstown, Greene 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

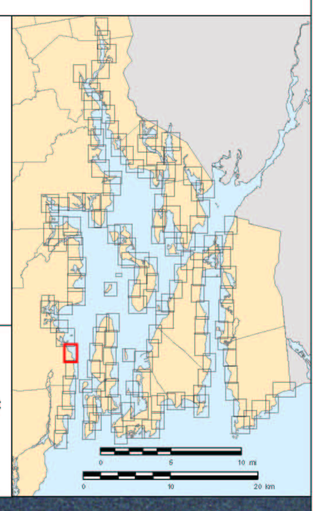
RIGIS

Scale

0 500 1,000 ft

0 100 200 m

2003 USGS Orthophoto Base



146 -24.5 ft -7.48 m -0.4 ft -0.12 m

145 -17.5 ft -5.33 m -0.3 ft -0.08 m

144 -14.1 ft -4.29 m -0.2 ft -0.07 m

143 -23.8 ft -7.24 m -0.3 ft -0.11 m

142 -25.5 ft -7.76 m -0.4 ft -0.12 m

141 -19.4 ft -5.91 m -0.3 ft -0.09 m

140 -23.1 ft -7.05 m -0.4 ft -0.11 m

139 1.6 ft 0.48 m 0.03 ft 0.01 m

138 5.4 ft 1.65 m 0.09 ft 0.03 m

137 -5.5 ft -1.68 m -0.09 ft -0.03 m

136 -9.9 ft -3.02 m -0.2 ft -0.05 m

135 -25.0 ft -7.62 m -0.4 ft -0.12 m

134 -42.7 ft -13.0 m -0.6 ft -0.2 m

133 -0.7 ft -0.21 m 0.0 ft 0.0 m

132 -11.8 ft -3.57 m -0.2 ft -0.06 m

131 -5.8 ft -1.77 m -0.09 ft -0.03 m

130 -32.5 ft -9.91 m -0.5 ft -0.16 m

129 -57.1 ft -17.41 m -0.9 ft -0.27 m

128 -58.6 ft -17.85 m -0.9 ft -0.28 m

127 -21.1 ft -6.44 m -0.3 ft -0.1 m

126 -13.6 ft -4.1 m -0.2 ft -0.06 m

125 29.7 ft 9.04 m 0.5 ft 0.14 m

124 8.8 ft 2.67 m 0.1 ft 0.04 m

123 1.4 ft 0.43 m 0.03 ft 0.01 m

122 -6.2 ft -2.11 m -1.0 ft -0.03 m

Feb 15, 2007