NARRAGANSETT BAY, RHODE ISLAND:
Jamestown, Fort Wetherill

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

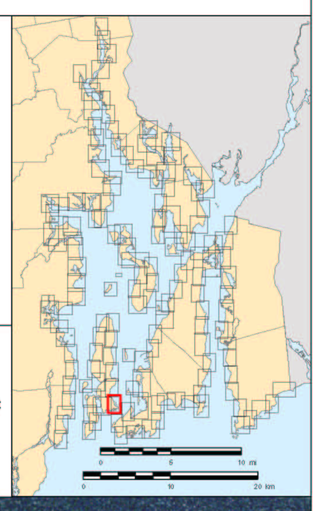
RIGIS

Scale

0 500 1,000 ft

0 100 200 m

2003 USGS Orthophoto Base



2390 -0.3 ft -0.08 m -17.5 ft -5.33 m

2391 -0.1 ft -0.04 m -8.5 ft -2.58 m

2392 -0.2 ft -0.06 m -13.2 ft -4.01 m

2393 -0.1 ft -0.03 m -6.7 ft -2.03 m

2394 -0.1 ft -0.04 m -8.5 ft -2.58 m

2395 -0.4 ft -0.13 m -27.7 ft -8.44 m

2396 -0.2 ft -0.06 m -12.3 ft -3.74 m

2397 -0.1 ft -0.04 m -9.3 ft -2.83 m

2398 0.07 ft 0.02 m 3.8 ft 1.17 m

2399 -0.4 ft -0.12 m -26.1 ft -7.95 m

2400 -1.0 ft -0.31 m -65.9 ft -20.10 m

2401 -0.3 ft -0.09 m -18.4 ft -5.60 m

2402 -0.5 ft -0.15 m -32.2 ft -9.82 m

2403 -0.3 ft -0.1 m -21.9 ft -6.69 m

2404 -0.3 ft -0.08 m -15.9 ft -4.84 m

2405 -0.2 ft -0.06 m -12.4 ft -3.79 m

2406 0.07 ft 0.02 m 3.5 ft 1.06 m

2407 0.07 ft 0.02 m 5.0 ft 1.51 m

2408 -0.03 ft -0.01 m -1.6 ft -0.49 m

2409 0.1 ft 0.03 m 7.2 ft 2.20 m

2410 0.07 ft 0.02 m 3.8 ft 1.17 m

2411 29.6 ft 9.03 m

2412 0.2 ft 0.06 m 13.1 ft 3.99 m

2413 -0.03 ft -0.01 m -1.2 ft -0.37 m

2414 0.03 ft 0.01 m 2.6 ft 0.79 m

2415 15.8 ft 4.83 m

2416 -1.3 ft -0.40 m -0.03 ft -0.01 m

2417 0.03 ft 0.01 m 1.7 ft 0.53 m

2418 -0.03 ft -0.01 m -2.2 ft -0.67 m

2419 -0.9 ft -0.26 m 0.0 ft 0.0 m

2420 0.2 ft 0.05 m 10.1 ft 3.07 m

2421 0.0 ft 0.0 m 0.5 ft 0.16 m

2422 0.0 ft 0.0 m -0.7 ft -0.22 m

2423 0.0 ft 0.0 m -0.7 ft -0.21 m

2424 -0.1 ft -0.04 m -8.2 ft -2.5 m

2425 -0.03 ft -0.01 m -3.0 ft -0.92 m

2426 0.03 ft 0.01 m 1.3 ft 0.40 m

Feb 15, 2007