

NARRAGANSETT BAY, RHODE ISLAND:

Quonset Point, North Kingstown

SHORELINE CHANGE FROM 1939-2014

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EXPLANATION

DIGITAL SHORELINE ANALYSIS

DSAS Transect

Baseline

SHORELINES

Wet/Dry Lines

1939

2012

2014

SHORELINE CHANGE

Transect ID

Shoreline Change Distance

Shoreline Change Rate

26

-27.5 ft

-8.4 m

-0.4 ft/yr

-0.1 m/yr

Scale

0 500 1,000 ft

0 100 200 m

2014 USGS Orthophotography Base

THE UNIVERSITY OF RHODE ISLAND

EASTERN

CRMC

RIGS

1939 286.0 ft 88.1 m 11.0 ft/yr 3.36 m/yr

1939 288.9 ft 88.5 m 11.73 ft/yr 3.58 m/yr

1985 290.1 ft 88.5 m 38.8 ft/yr 11.81 m/yr

1984 2025.3 ft 617.46 m 27.0 ft/yr 8.23 m/yr

1983 1547.5 ft 471.52 m 20.6 ft/yr 6.29 m/yr

1982 309.2 ft 94.26 m 4.1 ft/yr 1.26 m/yr

1981 252.5 ft 76.97 m 3.4 ft/yr 1.03 m/yr

1980 299.1 ft 91.20 m 4.0 ft/yr 1.22 m/yr

1989 166.1 ft 50.63 m 2.2 ft/yr 0.68 m/yr

1988 215.2 ft 65.55 m 2.9 ft/yr 0.87 m/yr

1987 72.5 ft 22.10 m -1.0 ft/yr -0.30 m/yr

1986 136.7 ft 41.66 m