

NARRAGANSETT BAY, RHODE ISLAND:

Davisville Depot, 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

0

500

1,000

0

100

200

0 m

Scale

2014 USGS Orthophotography Base

UNIVERSITY OF RHODE ISLAND

EASTERN

CRMC

0

500

1,000

0

100

200

0 m

Scale

2014 USGS Orthophotography Base

0

500

1,000

0

100

200

0 m

Scale

2014 USGS Orthophotography Base

1723 5.8 ft 1.78 m 0.1 ft/yr 0.02 m/yr

1724 214.5 ft 65.39 m 2.9 ft/yr 0.87 m/yr

1709 282.2 ft 86.04 m 3.9 ft/yr 1.18 m/yr

1708 1753.8 ft 534.67 m 23.4 ft/yr 7.13 m/yr

1707 1895.3 ft 577.82 m 25.3 ft/yr 7.7 m/yr

1706 767.0 ft 233.82 m 10.2 ft/yr 3.12 m/yr

1705 322.6 ft 98.34 m 4.3 ft/yr 1.31 m/yr

1704 19.4 ft 5.92 m 0.3 ft/yr 0.08 m/yr

1703 -11.2 ft -3.40 m -0.2 ft/yr -0.05 m/yr

1702 16.0 ft 4.89 m 0.2 ft/yr 0.07 m/yr

1701 -2.9 ft -0.88 m 0.0 ft/yr -0.01 m/yr

1700 -32.2 ft -9.82 m -0.4 ft/yr -0.13 m/yr

1699 -55.2 ft -16.82 m -0.7 ft/yr -0.22 m/yr

1698 283.6 ft 86.46 m 3.8 ft/yr 1.15 m/yr

1697 826.0 ft 251.81 m 11.0 ft/yr 3.36 m/yr

1696 2855.1 ft 879.32 m 38.5 ft/yr 11.73 m/yr

1695 2906.4 ft 885.98 m 38.8 ft/yr 11.81 m/yr