NARRAGANSETT BAY, RHODE ISLAND:
Allen Harbor, North Kingstown

SHORELINE CHANGE FROM 1939-2014

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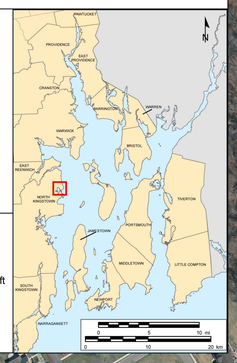
EXPLANATION

DIGITAL SHORELINE ANALYSIS
- DSAS Transect
- Baseline

SHORELINES
Wet/Dry Lines
- 1939
- 2012
- 2014

SHORELINE CHANGE
- Transect ID: 26
- Shoreline Change Distance: -27.5 ft / -8.4 m
- Shoreline Change Rate: -0.4 ft/yr / -0.1 m/yr



Scale
0 500 1,000 ft
0 100 200 m

2014 USGS Orthophotography Base

Transect	Shoreline Change Distance	Shoreline Change Rate
1778	-67.7 ft / -20.65 m	-0.9 ft/yr / -0.28 m/yr
1777	-87.8 ft / -26.78 m	-1.2 ft/yr / -0.37 m/yr
1776	-65.1 ft / -19.84 m	-0.9 ft/yr / -0.27 m/yr
1775	-47.5 ft / -14.49 m	-0.7 ft/yr / -0.20 m/yr
1774	-56.9 ft / -17.35 m	-0.8 ft/yr / -0.24 m/yr
1773	-43.4 ft / -13.22 m	-0.6 ft/yr / -0.18 m/yr
1772	-54.0 ft / -16.46 m	-0.7 ft/yr / -0.23 m/yr
1771	11.3 ft / 3.45 m	0.2 ft/yr / 0.05 m/yr
1770	19.2 ft / 5.84 m	0.3 ft/yr / 0.08 m/yr
1769	31.5 ft / 9.59 m	0.4 ft/yr / 0.13 m/yr
1768	46.5 ft / 14.18 m	0.6 ft/yr / 0.19 m/yr
1767	61.7 ft / 18.80 m	0.8 ft/yr / 0.26 m/yr
1766	79.1 ft / 24.12 m	1.1 ft/yr / 0.45 m/yr
1765	107.0 ft / 32.62 m	1.5 ft/yr / 0.45 m/yr
1764	125.3 ft / 38.20 m	1.7 ft/yr / 0.52 m/yr
1763	140.8 ft / 42.93 m	1.9 ft/yr / 0.57 m/yr
1762	100.6 ft / 30.66 m	1.3 ft/yr / 0.41 m/yr
1761	49.7 ft / 15.15 m	0.7 ft/yr / 0.21 m/yr
1760	-157.7 ft / -48.08 m	-2.2 ft/yr / -0.66 m/yr
1759	-176.1 ft / -53.68 m	-2.4 ft/yr / -0.74 m/yr
1758	-161.0 ft / -49.09 m	-2.2 ft/yr / -0.67 m/yr
1757	-134.8 ft / -41.09 m	-1.9 ft/yr / -0.56 m/yr
1756	-97.5 ft / -29.73 m	-1.3 ft/yr / -0.41 m/yr
1755	-50.7 ft / -15.46 m	-0.7 ft/yr / -0.21 m/yr
1754	-30.0 ft / -9.15 m	-0.4 ft/yr / -0.12 m/yr
1753	-31.2 ft / -9.51 m	-0.4 ft/yr / -0.13 m/yr
1752	20.3 ft / 6.20 m	0.3 ft/yr / 0.08 m/yr
1751	42.6 ft / 12.98 m	0.6 ft/yr / 0.17 m/yr
1750	221.7 ft / 67.58 m	3.0 ft/yr / 0.93 m/yr
1749	37.2 ft / 11.35 m	0.5 ft/yr / 0.15 m/yr
1748	44.0 ft / 13.41 m	0.6 ft/yr / 0.18 m/yr
1747	-121.4 ft / -37.00 m	-1.6 ft/yr / -0.49 m/yr
1746	-42.9 ft / -13.07 m	-0.6 ft/yr / -0.17 m/yr
1745	673.8 ft / 205.42 m	9.0 ft/yr / 2.74 m/yr
1744	15.8 ft / 4.82 m	0.2 ft/yr / 0.06 m/yr
1743	-36.7 ft / -11.19 m	-0.5 ft/yr / -0.15 m/yr
1742	-43.8 ft / -3.34 m	-0.6 ft/yr / -0.18 m/yr
1741	-21.5 ft / -6.56 m	-0.3 ft/yr / -0.09 m/yr
1740	-23.6 ft / -7.18 m	-0.3 ft/yr / -0.10 m
1739	45.4 ft / 13.85 m	0.6 ft/yr / 0.18 m/yr
1738	31.0 ft / 9.46 m	0.4 ft/yr / 0.13 m/yr
1737	35.5 ft / 10.82 m	0.5 ft/yr / 0.14 m/yr
1736	41.9 ft / 12.77 m	0.6 ft/yr / 0.17 m/yr
1735	-6.7 ft / -2.04 m	-0.1 ft/yr / -0.03 m/yr
1734	-6.5 ft / -1.98 m	-0.1 ft/yr / -0.03 m/yr
1733	264.0 ft / 80.47 m	3.5 ft/yr / 1.07 m/yr
1732	97.0 ft / 29.56 m	1.3 ft/yr / 0.39 m/yr
1731	15.1 ft / 4.59 m	0.2 ft/yr / 0.06 m/yr
1730	20.3 ft / 6.20 m	0.3 ft/yr / 0.08 m/yr
1729	-56.2 ft / -17.12 m	-0.8 ft/yr / -0.23 m/yr
1728	-17.8 ft / -5.44 m	-0.2 ft/yr / -0.07 m/yr
1727	93.8 ft / 28.6 m	1.3 ft/yr / 0.38 m/yr
1726	-4.5 ft / -1.37 m	-0.1 ft/yr / -0.02 m/yr
1725	-31.3 ft / -9.53 m	-0.4 ft/yr / -0.13 m/yr
1724	214.5 ft / 65.39 m	2.9 ft/yr / 0.87 m/yr
1723	5.8 ft / 1.78 m	0.1 ft/yr / 0.02 m/yr
1722	1251.9 ft / 381.64 m	16.7 ft/yr / 5.09 m/yr
1721	5.7 ft / 1.74 m	0.1 ft/yr / 0.02 m/yr
1720	-3.4 ft / -1.04 m	-0.1 ft/yr / -0.01 m/yr
1719	4.7 ft / 1.44 m	0.1 ft/yr / 0.02 m/yr
1718	119.6 ft / 36.47 m	1.6 ft/yr / 0.49 m/yr
1717	61.6 ft / 18.77 m	0.8 ft/yr / 0.25 m/yr
1716	-15.8 ft / -4.81 m	-0.2 ft/yr / -0.06 m/yr
1715	-81.6 ft / -24.89 m	-1.1 ft/yr / -0.33 m/yr
1714	-423.4 ft / -129.09 m	-5.7 ft/yr / -1.72 m/yr
1713	26.8 ft / 8.16 m	0.4 ft/yr / 0.11 m/yr
1712	38.9 ft / 11.86 m	0.5 ft/yr / 0.16 m/yr
1711	50.6 ft / 15.44 m	0.7 ft/yr / 0.21 m/yr
1710	96.8 ft / 29.52 m	1.3 ft/yr / 0.40 m/yr
1709	282.2 ft / 86.04 m	3.9 ft/yr / 1.18 m/yr