Agricultural Soils

Sea-Level Rise 1.7', 4.0', 6.3'

Coastal New Hampshire

Map 11

Atlantic Ocean

Portsmouth
New Castle
Rye
North Hampton
Hampton
Hampton Falls
Seabrook

Extent of Sea-Level Rise of 1.7 feet
Extent of Sea-Level Rise of 4.0 feet
Extent of Sea-Level Rise of 6.3 feet
All areas are prime farmland
Farmland of local importance
Farmland of statewide importance
Approx. MHHW - Tidal Extent

Map Key

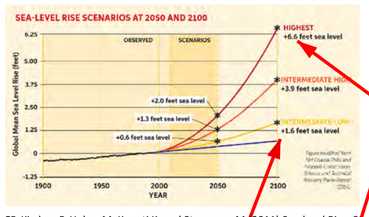
Major Roads
Local Roads
Town Boundaries
Waterbodies
Approx. MHHW - Tidal Extent
2014 NAIP 1 Meter Aerial Photo

N W E S

0 0.25 0.5 1 1.5 2 Miles

Sea Level Rise Scenarios Applied to the Vulnerability Assessment

Please note that these scenarios were selected prior to the release of the Science and Technical Advisory Panel Report to the N.H. Coastal Risks & Hazards Commission, in August, 2014. While slightly different than the scenarios cited in that report, they yield coverage estimates that are within the mapping margin of error.

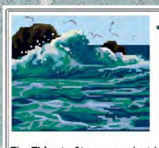


Wake CP, Kirshen P, Huber M, Knuuti K, and Stampone M (2011) Sea-level Rise, Storm Surges, and Extreme Precipitation in Coastal New Hampshire: Analysis of Past and Projected Future Trends, prepared by the Science and Technical Advisory Panel for the New Hampshire Coastal Risks and Hazards Commission.

	2050		2100	
	Lower	Higher	Lower	Higher
Current Elevation of MHHW a,b	4.4	4.4	4.4	4.4
100-Year Flood Height	6.8	6.8	6.8	6.8
Subsidence	0.0	0.0	0.0	0.0
Eustatic SLR	1.0	1.7	2.5	6.3
Total Stillwater Elevation c	12.2	12.9	13.7	17.5

a - NAVD North American Vertical Datum of 1988
b - MHHW: Mean Higher High Water at Fort Point, NH
c - Total Stillwater Elevation may not equal total of components due to rounding

Wake CP, E Burakowski, E Kelsey, K Hayhoe, A Stoner, C Watson, E Douglas (2011) Climate Change in the Piscataqua/Great Bay Region: Past, Present, and Future. Carbon Solutions New England Report for the Great Bay (New Hampshire) Stewards.



TIDES TO STORMS

Preparing For New Hampshire's Future Coast

ROCKINGHAM PLANNING COMMISSION

The **Tides to Storms** project is funded by New Hampshire Homeland Security and Emergency Management (HSEM) through a Pre-Disaster Mitigation Grant from the Federal Emergency Management Agency (FEMA).

FEMA

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NH GRANIT

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