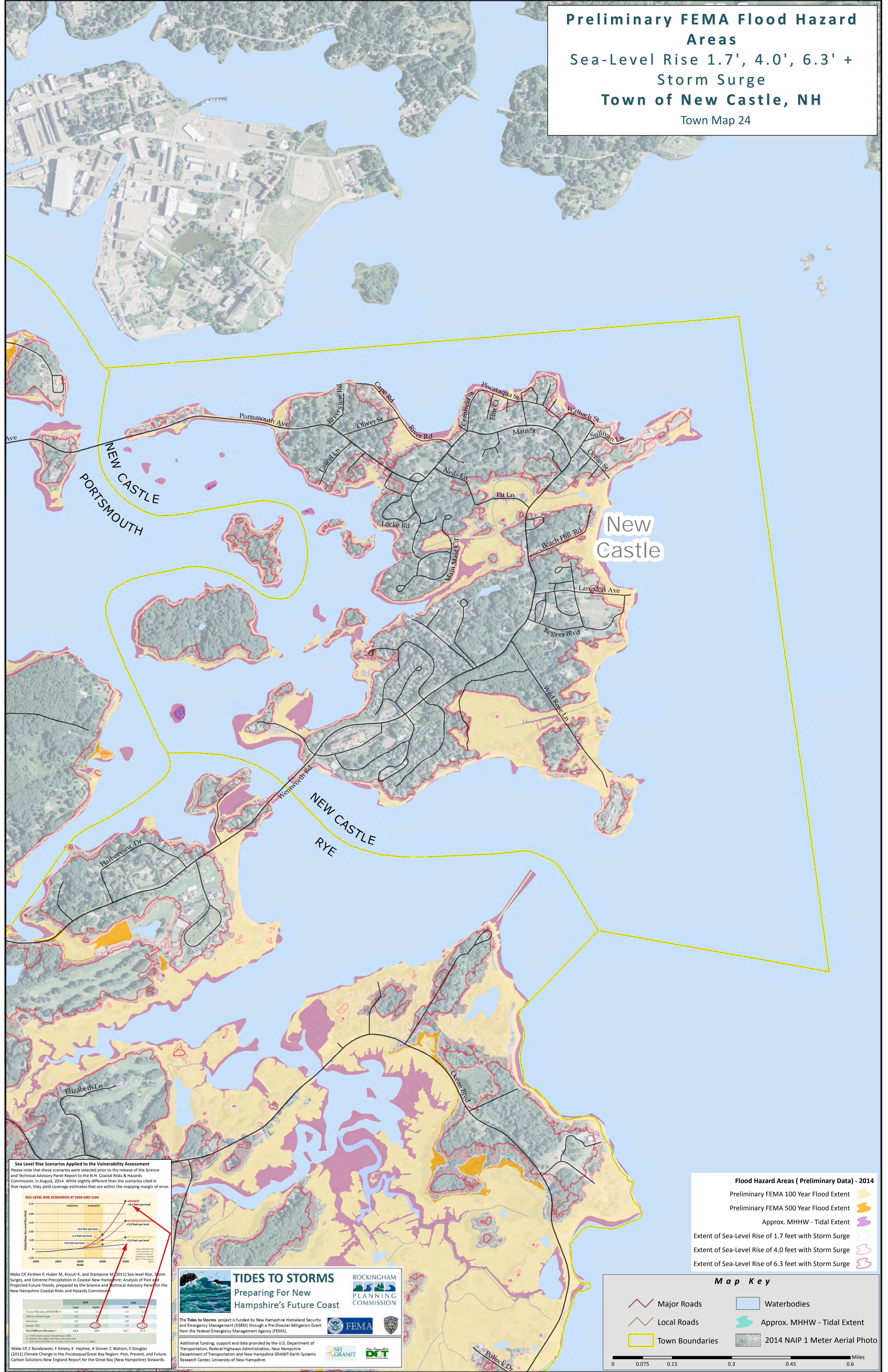
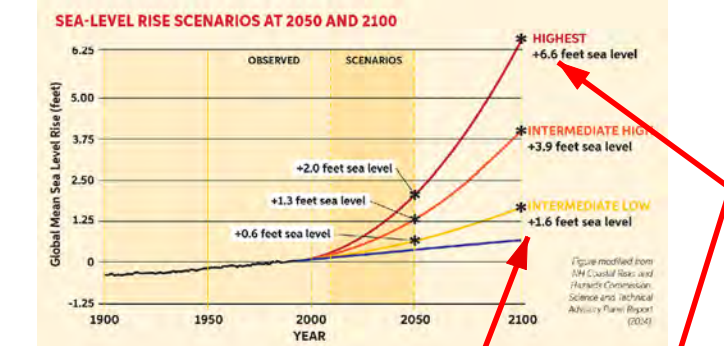


Preliminary FEMA Flood Hazard Areas
Sea-Level Rise 1.7', 4.0', 6.3' +
Storm Surge
Town of New Castle, NH
Town Map 24



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.

	1990		2050		2100	
	Lowest	Highest	Lowest	Highest	Lowest	Highest
Current Elevation of MHTW ¹	4.5	4.5	4.5	4.5	4.5	4.5
1993 Sea Level Height	4.5	4.5	4.5	4.5	4.5	4.5
Sea Level Rise	0.0	0.0	0.0	0.0	0.0	0.0
Static SLR	1.0	1.0	2.5	2.5	3.7	3.7
Tidal Surge Elevation ²	12.2	12.2	12.7	12.7	12.7	12.7

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

FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

NH GRANIT

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- Flood Hazard Areas (Preliminary Data) - 2014**
- Preliminary FEMA 100 Year Flood Extent
 - Preliminary FEMA 500 Year Flood Extent
 - Approx. MHHW - Tidal Extent
 - Extent of Sea-Level Rise of 1.7 feet with Storm Surge
 - Extent of Sea-Level Rise of 4.0 feet with Storm Surge
 - Extent of Sea-Level Rise of 6.3 feet with Storm Surge

Map Key

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