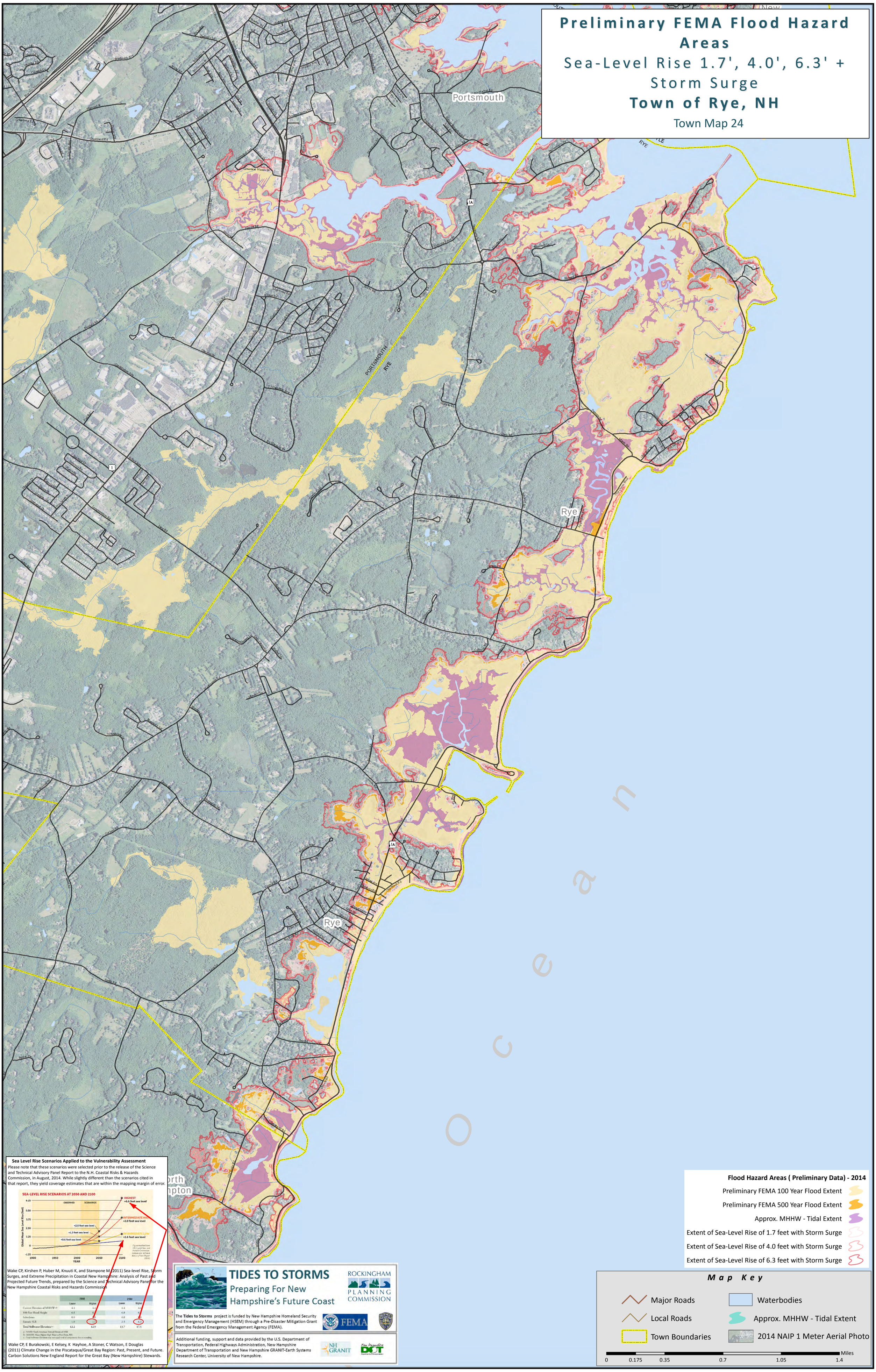
Preliminary FEMA Flood Hazard Areas

Sea-Level Rise 1.7', 4.0', 6.3' + Storm Surge

Town of Rye, 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

	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 a,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

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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

Miles: 0 — 0.175 — 0.35 — 0.7 — 1.05 — 1.4