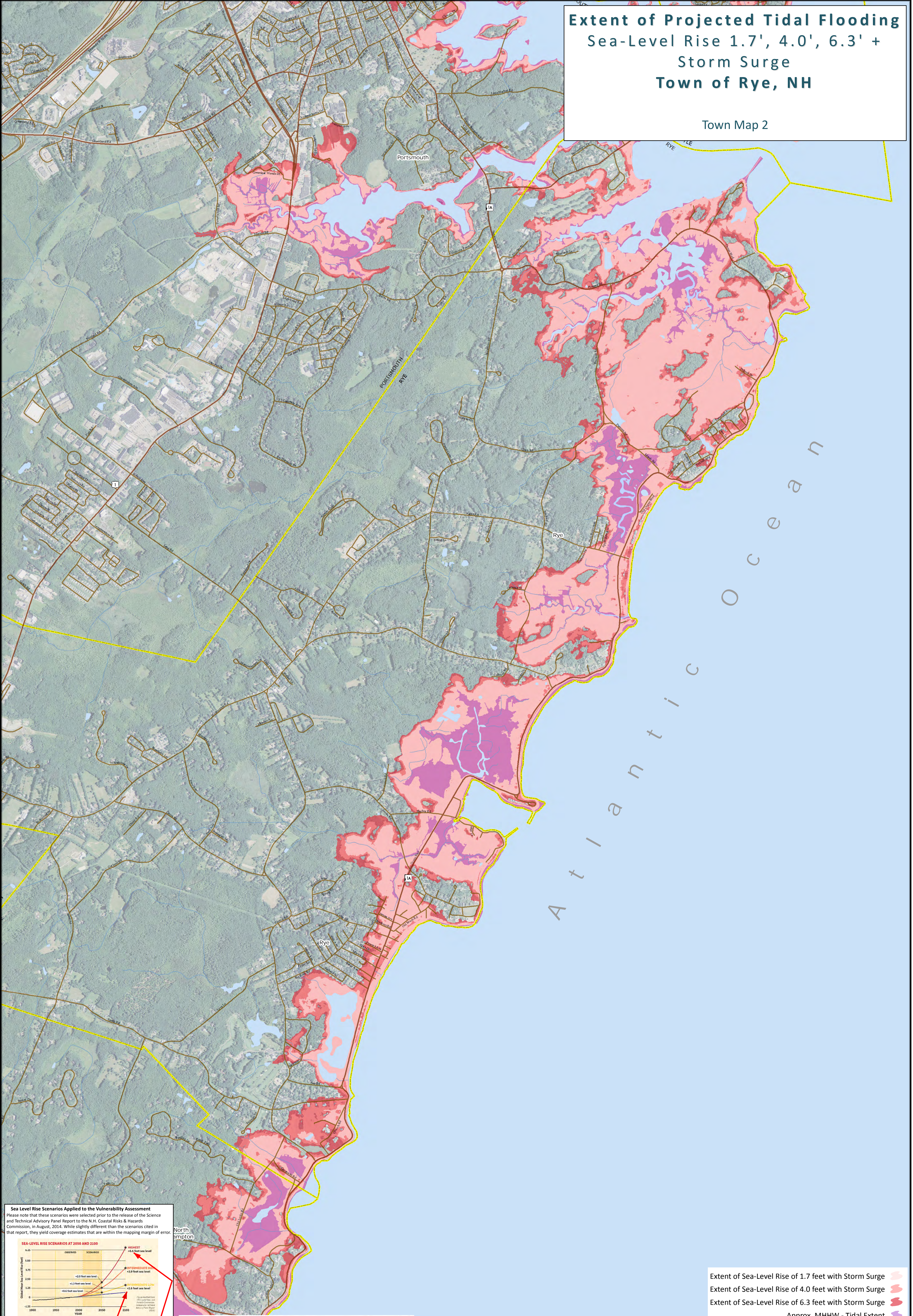
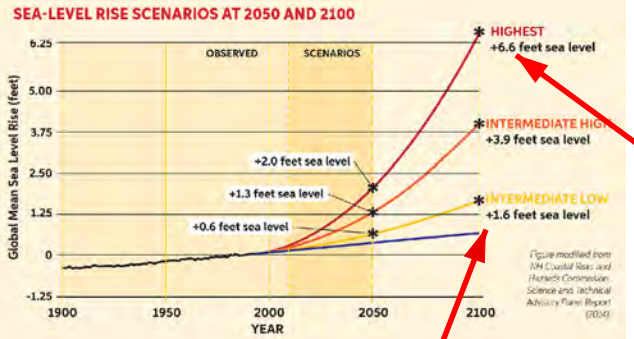


Extent of Projected Tidal Flooding
Sea-Level Rise 1.7', 4.0', 6.3' +
Storm Surge
Town of Rye, NH

Town Map 2



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.

	1986		2100	
	Lowest	Highest	Lowest	Highest
Current Elevation of MHTW ^{1,2}	4.5	4.5	4.5	4.5
100-Year Flood Height	6.8	6.8	6.8	6.8
Schubert ³	6.0	6.0	6.0	6.0
Static SLR	1.0	1.0	2.5	2.5
Tidal Surge ⁴ Elevations ⁵	12.2	12.9	13.7	17.5

Wake CP, E Burkowski, 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



NH
GRANIT



NEW HAMPSHIRE
DEPARTMENT OF
TRANSPORTATION

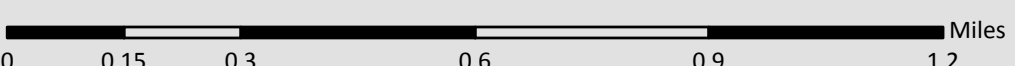
The Tides to Storms project is funded by New Hampshire Homeland Security and Emergency Management (HSEM) through a Pre-Disaster Mitigation Grant from the Federal Emergency Management Agency (FEMA).

Additional funding, support and data provided by the U.S. Department of Transportation, Federal Highways Administration, New Hampshire Department of Transportation and New Hampshire GRANIT-Earth Systems Research Center, University of New Hampshire.

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
Approx. MHHW - Tidal Extent

Map Key

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



0 0.15 0.3 0.6 0.9 1.2 Miles