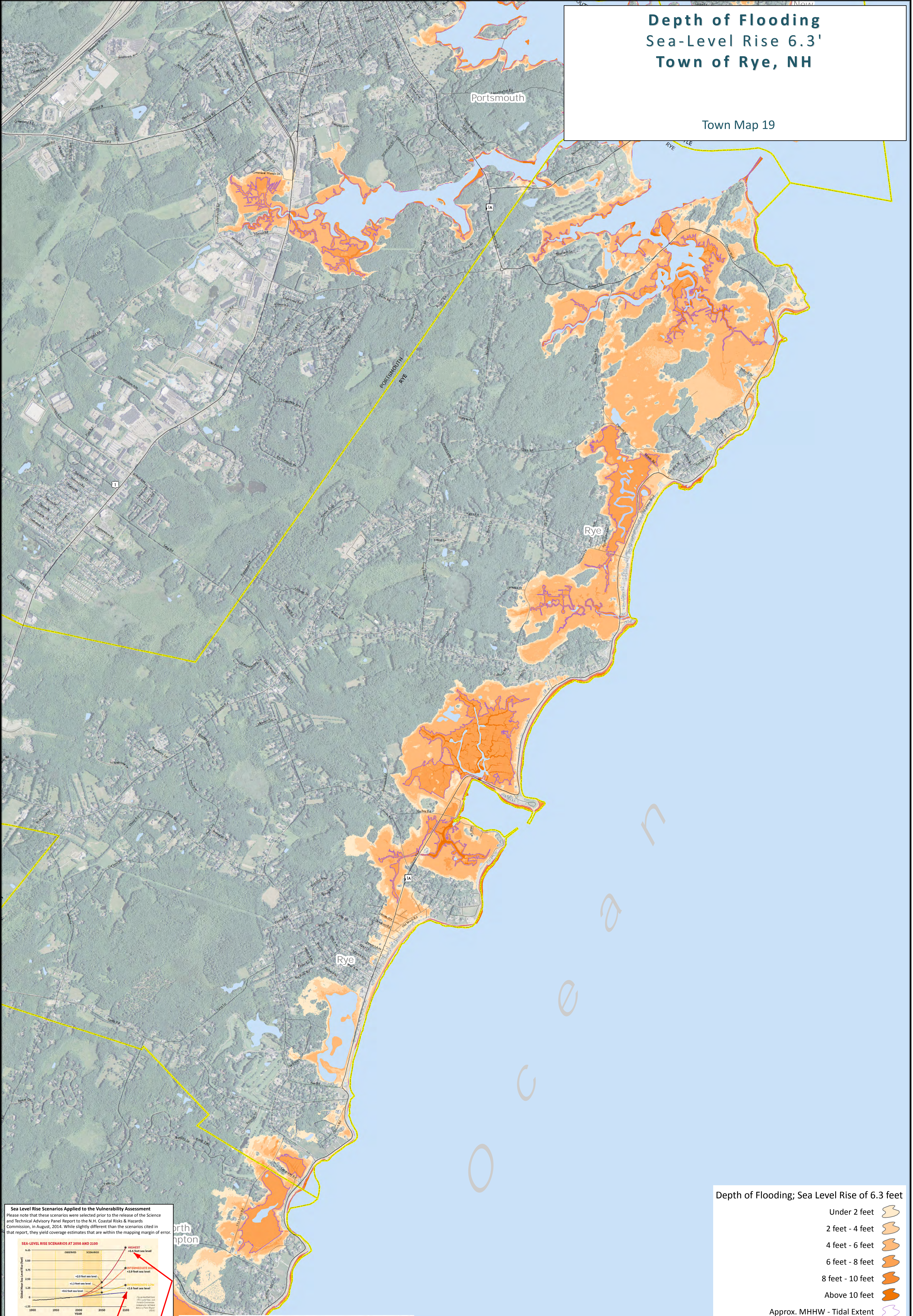
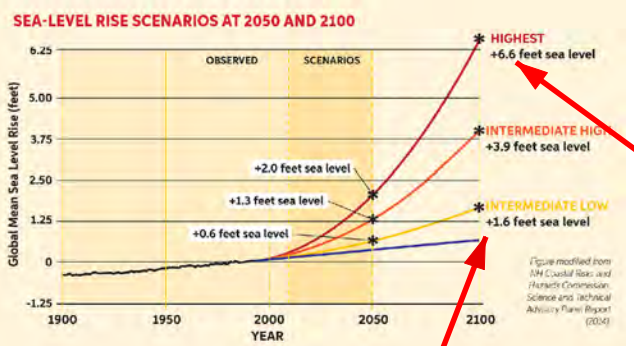


Depth of Flooding
Sea-Level Rise 6.3'
Town of Rye, NH

Town Map 19



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 | |
|--|--------|---------|--------|---------|
| | Lowest | Highest | Lowest | Highest |
| Current Elevation of MHTW ^{1,2} | 4.5 | 4.5 | 4.5 | 4.5 |
| 1993-2000 Flood Height | 4.8 | 4.8 | 4.8 | 4.8 |
| Sea-level Rise | 0.3 | 0.3 | 0.3 | 0.3 |
| Static SLR | 1.0 | 1.0 | 2.5 | 2.5 |
| Total Sea-level Rise | 1.2 | 1.2 | 3.3 | 3.3 |

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

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.

ROCKINGHAM PLANNING COMMISSION

FEDERAL EMERGENCY MANAGEMENT AGENCY

NEW HAMPSHIRE GRANIT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

Depth of Flooding; Sea Level Rise of 6.3 feet

- Under 2 feet
- 2 feet - 4 feet
- 4 feet - 6 feet
- 6 feet - 8 feet
- 8 feet - 10 feet
- Above 10 feet
- Approx. MHHW - Tidal Extent

Major Roads

Local Roads

Town Boundaries

Waterbodies

Approx. MHHW - Tidal Extent

2014 NAIP 1 Meter Aerial Photo

Map Key

0 0.175 0.35 0.7 1.05 1.4 Miles