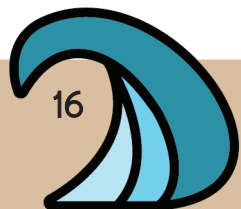


MAP 10: GROUNDWATER RISE PROJECTS AT 4.0 FEET OF SEA-LEVEL RISE

According to the 2019 New Hampshire Coastal Flood Risk Summary, Part I: Science, coastal groundwater will also rise with sea level rise, which will result in water-quality degradation, saltwater intrusion, streamflow increases, wetlands expansion, and degradation of infrastructure such as septic systems and roadways. Groundwater rise is projected to be highest at the coast with the largest magnitude and inland extent being seen in the northernmost communities in the Seacoast region. Groundwater rise then decreases with distance inland as depicted in Figure 1. Furthermore, Groundwater rise is projected to be 66% of RSLR between 0-0.6 miles from the coast, 34% between 0.6- 1.2 miles from the coast, 18% between 1.2-1.9 miles from the coast, 7% between 1.9-2.5 miles from the coast, and 3% between 2.5-3.1 miles of the coast. Use the [New Hampshire Sea-Level Rise, Storm Surge, and Groundwater Rise Mapper](#) to further visualize the extent of sea-level induced groundwater rise.

The reference map includes the projected groundwater rise caused by 4.0 feet of sea-level rise.



Map 10 - Groundwater Rise Projects at 4.0 feet of Sea-Level Rise

