



Today's flood could be tomorrow's high tide!

Know Your Line... Be Flood Aware

Why do we care about coastal flooding along Route 1A in Rye?

Route 1A and local roads in Rye are sometimes flooded by nuisance high tides and large storms like the nor'easters of 2018. Rising sea levels will increase the severity of coastal storm related flooding which would impact access to local and state roads, and other coastal areas.

How has sea level changed over time?

Lands that border the Atlantic Ocean and inland tidal areas experience frequent nuisance flooding from seasonal high tides. Between 1927 and 2001, sea level in coastal New Hampshire increased by approximately 5.3 inches creating a noticeable difference in high water flooding. The type of nuisance flooding we experience today will become more frequent and more severe as sea-level rise accelerates over time.

How high will the water reach?

The FLOOD marker shows the flood elevation from a 100-year storm event (which has a 1% chance of occurring in any given year). How high would the water be if sea-level increased by 2 feet, 4 feet or over 6 feet? The SLR markers show future sea-level rise projections above mean high water by the year 2100, +6.6 feet being on the higher end of what we might see in this location.

This project was funded, in part, by NOAA's Office for Coastal Management under the Coastal Zone Management Act in conjunction with the NH Department of Environmental Services Coastal Program. Sign Design by CPorter Designs, Photo by Town of Rye, NH Police Department

