



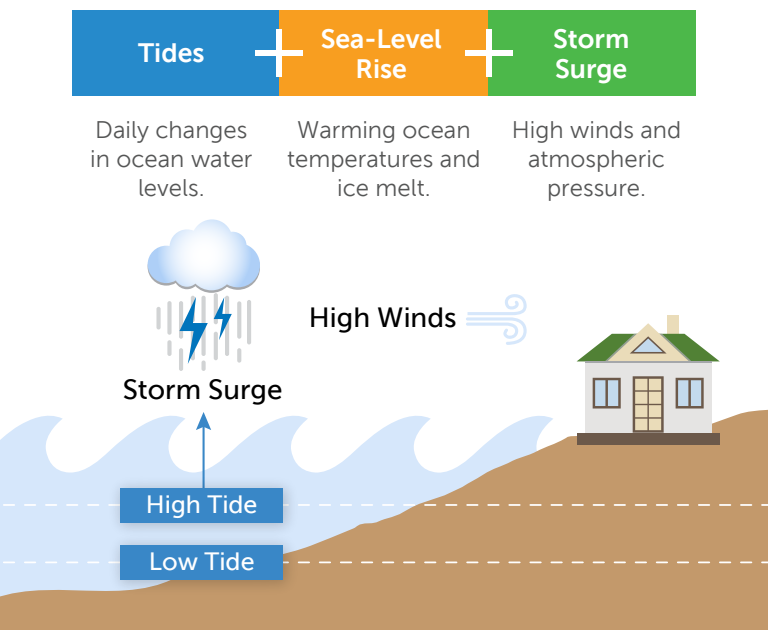
CLIMATE CHANGE IN NOVA SCOTIA

Coastal Flooding

Causes of coastal flooding & erosion

Warming ocean temperatures and ice melt cause sea levels to rise. High winds and low atmospheric pressure during storms can create storm surges, which cause coastal flooding. The most severe flooding occurs when large storms coincide with a high tide.

Heavy rainfall and strong wind and wave energy also contribute to coastal erosion. What the ground is made of (e.g. sand or rock that easily crumbles, gravel, boulder, or solid rock) will also play a factor.



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How can flooding affect your property?

- During storms, buildings and roads can be damaged by water and waves, and by debris carried by waves.
- Erosion near buildings, roads, and driveways can make these structures less stable, increasing the likelihood of future flooding.
- Well water can also become contaminated by saltwater during a flood.

How can you protect your property?

The most effective strategy is to avoid building in flood-prone areas, but if that is not possible, planting vegetation to stabilize banks can also be a good option.

Every coastal property is different. Be sure to look into what options may be available and effective for your location.

Nova Scotia Government has resources to get you started:

- Nova Scotia Coastal Hazard Map
- Coastal Hazard Assessment Report
 - Coastal Navigators
- Safeguarding Your Coastal Property and Nature-based Solutions Guide
- Video Guide and Checklist for Buying a Coastal Home

Find these and other resources at:

novascotia.ca/coastal-climate-change



Use our Coastal Adaptation Toolkit at:
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