

# Atawhai

## About the area

### Atawhai features:

- Predominantly residential areas, featuring single dwellings.
- Parks and open spaces for recreation.
- Suburban commercial and small retail outlets.
- Tourist accommodation.
- The Cawthron Atkinson Observatory.
- The Haven estuary, a key ecosystem is adjacent to the State Highway.
- State Highway 6 runs along the coast through the area.

## What's at risk?

### At present day:

- Atawhai is generally above present day 1% AEP coastal inundation levels.
- Some lower lying areas fall within the present day 1% AEP coastal inundation extent, including parts of the road reserve near QEII Drive and Atawhai Drive (SH6), part of Corder Park, and a localised basin area adjacent to Atawhai Drive north of Tresillian Avenue.
- The Boulder Bank also provides significant protection from wave swell to areas on the landward side of the Haven, including Atawhai.

### In future:

- Half a metre of sea level rise will increase the extent of 1% AEP coastal inundation levels, affecting some private properties in the vicinity of the

below areas. At one metre of sea level rise, a limited number of properties will be affected by 1% AEP coastal inundation levels, including those near Corder Park, on lower Seaton Street, lower Tresillian Avenue, and below Allisdair Street.

- Assessment of the effects of sea level rise on the Boulder Bank is being investigated. It is possible that the height of the Boulder Bank would gradually increase due to wave run up depositing boulders further up the bank. Alternatively large storms may overtop the bank and this could result in localised breaches.

## What's happened previously?

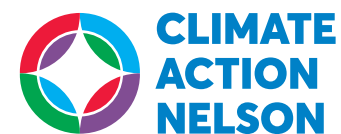
- During Cyclone Fehi (February 2018), as a result of storm surge combined with a king tide, waves ran up onto SH6.
- In December 2011 there was significant flooding in the Dodson Valley catchment, and the prolonged period of rain resulted in a number of landslips on hillslopes.

## What's being done?

- Funding is allocated in the Long Term Plan to develop a stormwater strategy for Atawhai. This will seek to address network limitations from sea level rise through to 2090, as well as higher intensity rainfall events.
- Council is currently progressing the Wastney Terrace stormwater upgrade.
- To understand the impacts of sea level rise on the Boulder Bank, Council has engaged coastal scientists and engineers to prepare mapping and an assessment. It is anticipated that this work will be available in late 2022 or early 2023.



[shape.nelson.govt.nz/climate-adaptation](https://shape.nelson.govt.nz/climate-adaptation)



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## Coastal Inundation during a 1 % AEP Event

### Coastal Flooding Extent (with Sea Level Rise)

- At the Present Day
- At 0.3m of Sea Level Rise
- At 0.5m of Sea Level Rise
- At 1.0m of Sea Level Rise
- At 1.5m of Sea Level Rise
- At 2.0m of Sea Level Rise

