

The Wood

About the area

The Wood area features:

- Both higher-density and lower-density residential areas, with a mixture of single and medium-density dwellings.
- Whakatū Marae, which serves six mana whenua iwi: Ngāti Koata, Ngāti Kuia, Te Runangā o Toa Rangatira, Ngāti Rurua, Ngāti Tama, and Te Ātiawa.
- Open spaces for recreation, including Neale Park which includes Nelson Skateboard Park, and Miyazu Japanese Garden.
- Founders Heritage Park.
- Wakapuaka Cemetery.
- Several heritage precincts and more than 20 heritage buildings.
- State Highway 6 runs along the coast through the area.

What's at risk?

At present day:

- Lower-lying areas are affected by 1% AEP coastal inundation, including parts of Hathaway car park, Trafalgar Street, Weka Street, and Atawhai Drive, as well as some properties along Wainui and Elliot Streets.
- Some of these areas may also be affected by a king tide event if stormwater assets fail.
- Queen Elizabeth II Drive (SH6) acts as a partial barrier to limit inflow during storm surge events.
- The Boulder Bank also provides significant protection from wave swell to areas on the landward side of the Haven, including The Wood.

In future:

- Queen Elizabeth II Drive (SH6) should continue to provide protection from a 1% AEP event even with 1 m of sea level rise. This should prevent storm surge inflows through until at least 2090.
- Assessment of the effects of sea level rise on the Boulder Bank needs 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.

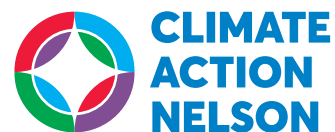
What's happened previously?

- During Cyclone Fehi (February 2018), as a result of storm surge combined with a king tide, flooding occurred in Hathaway car park, with overland flows running along Trafalgar Park Lane to Trafalgar Street and into Elliot Street.
- There is likely to be surface ponding at a number of other low-lying locations in The Wood.

What's being done?

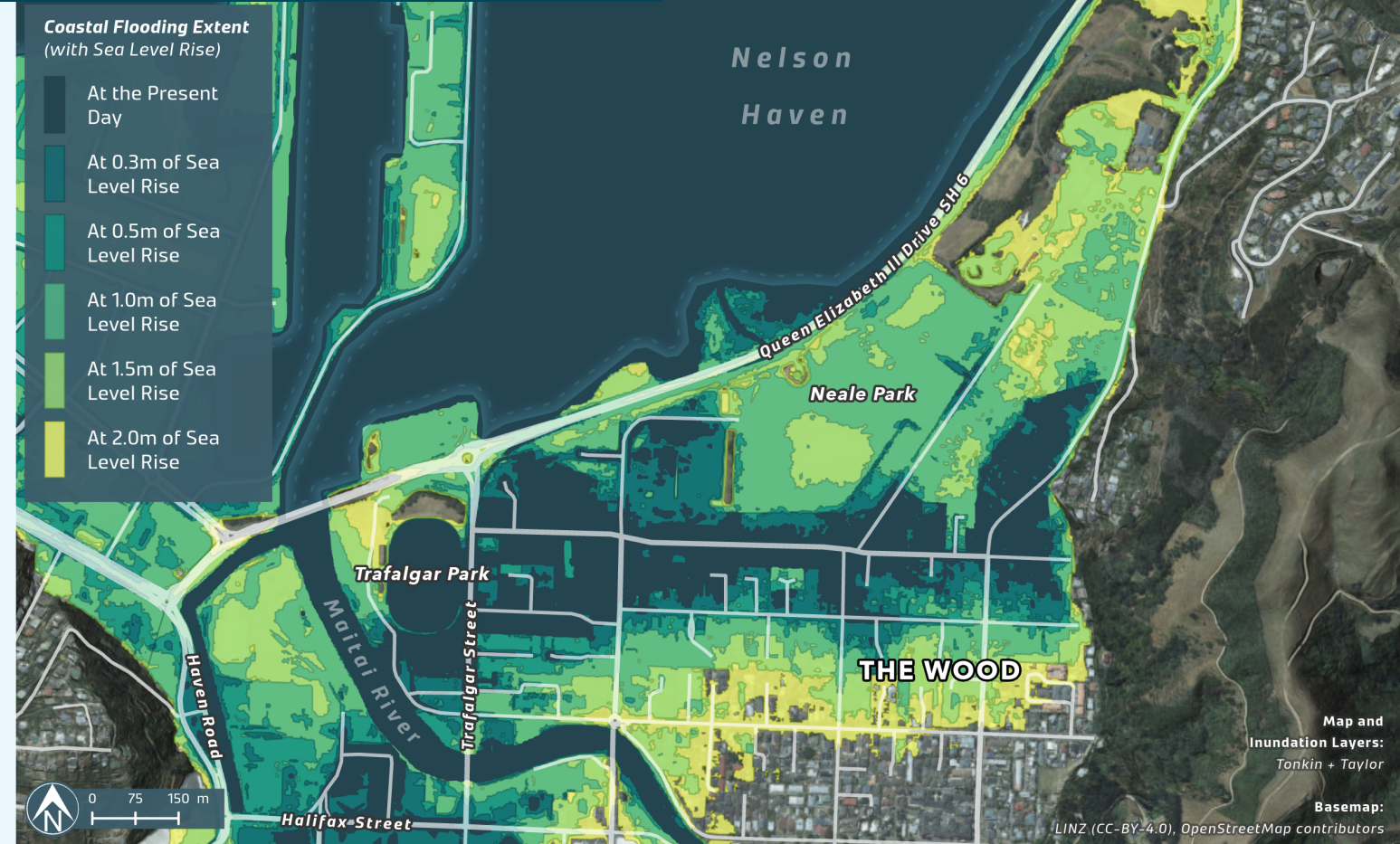
- Funding is allocated in the Long Term Plan to develop a stormwater strategy for central Nelson, including The Wood. This will seek to address network limitations from sea level rise through to 2090, as well as higher intensity rainfall events.
- Funding is also allocated in the Long Term Plan to develop and implement options to improve Maitai River flood management.
- The 2003 installation of The Wood stormwater pumping station significantly improved stormwater management. It put an end to regular surface flooding that had occurred prior to that.

shape.nelson.govt.nz/climate-adaptation



The Wood

Coastal Inundation during a 1 % AEP Event



The Wood

Flood Inundation during a 1 % AEP Event

