



# About the flooding and coastal hazards maps

The Selwyn flooding map, which you can find under the 'Flooding map' tab on this website, are computer generated simulations of certain natural hazard events. The computer-based modelling for flooding used the most recent data from the following sources:

- LiDAR (light detection and ranging) surveys, captured between 2010 and 2018.
- Other existing ground-related data, such as stopbank, river and road locations and soil types, from Selwyn District Council, ECan, Landcare Research and Land Information New Zealand.
- Design rainfall data from NIWA which also considers different climate change scenarios.

We're expecting to notify the Proposed District Plan for formal public consultation by the middle of 2020. At this stage you will have the opportunity to make a submission on any of the proposed provisions, including how the flood areas are mapped.

It is important to note that the mapped areas are not a record of where land has flooded in the past. They are an assessment of where land may flood during a large or extreme flood event in the future. We don't have a record of any flood as large as a 200-year flood event. To date the district's worst storm was in 2013, which was around a 70-year flood event.

Any submission during the formal public consultation seeking to change a mapped area will need to be supported by sufficient evidence for such a change to be accepted.

## Some handy tips when using the maps

When accessing the maps on this website, we find the browser Google Chrome works best. If you want to print a certain map and there's no print option available next to the map, you can always print a screenshot or consider using a snipping tool to copy and then print it.

## How to use the maps

Under the 'Flooding map' tab on this website, there's a user guide about how to use the flooding map. The guide pops up as a separate window as soon as you open the map, so make sure you check it out.

One of the tips is around how to find out depth of water that the latest flood models have predicted for a particular area of land. By clicking on an area on the map, a pop up box will give you information about the exact water depth predicted. If there's a triangle in the top right hand corner of the pop up box click on it to move between different sets of information.