

Information layers in Plan Change 34 Flood Hazard maps

The following information layers are available on the Plan Change 34 Flood Hazard maps:

Property

These layers show the:

- Address
- Road and road names
- legal property boundaries; and

Flood Hazard Area (1% AEP)

This is the name of the flood hazard classification which shows the overall risk to people and property of lake and river flooding. It calculates the worst case flooding for each property by taking whichever is the greater of the river flooding (which is a combination of depth and velocity) and lake flooding (which is just based on depth).

This layer shows the low, medium and high classifications for the 1% AEP flood hazard. This data comes from the flood hazard reports by Opus Consultants. This hazard is a combination of both the depth and velocity of the flood water and results in either low (yellow), medium (orange) or high (red) flood hazard. This approach to mapping the flood hazard uses the Waikato Regional Council Flood Hazard Classification.

Maximum Flood Level (m)

This layer shows the maximum depth of inundation as a result of either lake or river flooding. This layer is only visible if you zoom right into a property.

The depth is shown as a blue number, which is measured in metres and rounded to two decimal spaces.

Removal of less than 10cm of flooding

Where flooding has a depth of less than 10cm it has been removed and is not shown on the mapping tool. This is because the Building Code (Clause E1—Surface water and Clause E2—External moisture E2) seeks:

- to safeguard people from injury or illness, and other property from damage, caused by surface water, and to
- to safeguard people from illness or injury that could result from external moisture entering the building.

Councils address these objectives of the Building Code by requiring floor levels of new dwellings to be at least 150mm from ground level through building consents.

Defended Area

These are areas which would normally flood in a 1% AEP flood event but are protected from flooding by a flood protection scheme managed by the Waikato Regional Council. They are shaded purple.