

EXPLANATION OF HAZARD DATA

Riverine Inundation

Areas identified on the Hazard Information Maps as being subject to risk from riverine inundation are divided into three levels:

- Level 1 has a low degree of risk, reflecting flood protection mitigation measures.
- Level 2 has a high degree of risk, and includes those areas where future flood levels can be predicted.
- Level 2A has a high degree of risk in a flood event greater than the design limits of the flood protection system.
- Level 3 has a high degree of risk and includes:
 - those areas designed to pond in a flood event; and
 - active floodplains.

Minimum floor levels annotated on the maps are expressed in relation to city datum.

Indicative Sea Level Rise /Storm Surge

This information indicates those areas around the New River Estuary that are less than three metres above mean sea level and most at risk from sea level rise/storm surge event.

Coastline Most Prone to Erosion

This information indicates those areas of the coast that are subject to erosion. For further detail contact Environment Southland.

Seismic Hazard Information

The Amplification Susceptibility and Liquefaction Susceptibility Maps give a general indication of the possible amplification and liquefaction susceptibility within the Invercargill district. These maps should be considered in conjunction with GNS Science Consultancy Report 2012/014 which is available on the Council Website.

The information does not relate to the return time (probability) of an earthquake.

5m Contour (Urban) (derived)

This information indicates the five metre contour in the urban areas of Invercargill. The 5m contour provides a 1.5m – 2m margin of safety from predicted levels of sea level rise after 2110.

Accurate contour data for individual properties should be ascertained through a surveyor.

