## Question Answer

**What could we expect the Council to do in this area to minimise future movement?**

The Council will look to manage activities that may lead to movement, for example excavations. To help minimise future movement the Council may carry out infrastructure upgrades, for example replacing ageing water mains to reduce the chance of leaks.

**Should I be careful about the way I manage surface water on my property?**

We suggest you fix leaking pipes promptly and try to minimise water run-off on your property. When you are washing your car, for example, try to use the driveway so the water is channelled into the stormwater drain. Please report anything you notice that may indicate land movement, such as leaking pipes, to the Council by phoning 941 8999 or 0800 800 169.

**What will this categorisation mean for insurance and mortgage lending on my property?**

You will need to contact your insurance company or bank directly to find out what this might mean for you. We are contacting insurance and banking industries to let them know about this report.

**If I am planning to develop my property/land do I need to engage an independent specialist?**

As with any property development, all site constraints will need to be assessed as part of any development proposal. Where a rebuild, new build or extensive renovation (including foundations) is being considered, landowners in these areas are likely to need a site-specific geotechnical investigation if planned work needs a building or resource consent. The geotechnical consultant should consider the GNS Science Stage One Report findings and MBIE guidance in their report.

**I am only hearing about this issue now, why has it taken so long to get this information out?**

GNS Science has been working with Council on a number of higher priority issues (including cliff collapse, rockfall etc) while also trying to understand the more subtle impacts of the recent earthquakes. This meant some of the smaller changes were not prioritised and these were not always immediately obvious. In June 2012, GNS Science began a rigorous ground mapping campaign that could not be carried out immediately after the earthquakes.

This mapping exercise highlighted subtle features out of the original areas looked at. These features provide evidence mass movement areas are more extensive than was originally thought. GNS Science have had up to five full-time staff working on study one, but this investigation process has been (and continues to be) very complicated and time consuming. We appreciate Port Hills residents have faced uncertainty and delay, but we needed an adequate base of accurate and consistent scientific information and advice before releasing information to the public. We now believe we’ve reached this point.

**What happens next for investigations for properties in a Class III area?**

There are toe slump features throughout the Class II and III areas. To further understand these features, two case studies of two representative areas will be studied. This is to better understand how these slump features formed and how they may behave in the future. We are planning to make this the focus of the stage four report in 2014. As more information becomes available in further reports there may be changes to the hazard class to some areas.

**What will this mean for me and anything I want to do with my property in the meantime?**

New development can go ahead in Class III areas. The findings of future studies are unlikely to affect development in these areas. For future development proposals, we are likely to need more site specific information than we did previously to make a decision on how appropriate a proposal is for a specific site.

**How can I find out more about what it means for my property to be in a Class III area?**

Once MBIE guidance for foundations in some Class III areas are finalised, the Council will hold meetings to help you better understand the nature and significance of the areas of instability, and what the findings of the report mean for you as a property owner. The details of these meetings will soon be on the Council's website. If you would like to be emailed meeting dates please email porthillsgeotech@ccc.govt.nz with community meeting in the subject line.

### The 36 mass movement areas on the Port Hills

![Map showing the 36 mass movement areas on the Port Hills](image)

- **Relative hazard exposure categories**:
  - Class I
  - Class II
  - Class III

- **Classification**: New development can go ahead in Class III areas. The findings of future studies are unlikely to affect development in these areas. For future development proposals, we are likely to need more site specific information than we did previously to make a decision on how appropriate a proposal is for a specific site.

- **Investigations**: To help minimise future movement the Council may carry out investigations for properties in Class III areas. For future development proposals, we are likely to need more site specific information than we did previously to make a decision on how appropriate a proposal is for a specific site.

- **MBIE guidance**: Once MBIE guidance for foundations in some Class III areas are finalised, the Council will hold meetings to help you better understand the nature and significance of the areas of instability, and what the findings of the report mean for you as a property owner. The details of these meetings will soon be on the Council’s website. If you would like to be emailed meeting dates please email porthillsgeotech@ccc.govt.nz with community meeting in the subject line.