

GEOTECHNICAL ENGINEERING

Geotechnical

Many parts of the Far North have been subject to a turbulent geological history and consequently can be subject to weakness, slow deep creep and/or sudden slippage - particularly where those soils are exposed to water logging and erosion. Collectively, our engineers have many years of experience with the variable local geology and in identifying where these risks occur. We provide geotechnical advice and cost effective solutions for potential difficulties on your site.

We routinely use slope stability assessment software to assess the natural stability and the effect of proposed modifications to land to develop stabilisation solutions. We regularly review new technologies to keep up to date with the growing range of solutions available. We are pleased to have been able to put our geotechnical skills to good use for the Earthquake Commission in Christchurch carrying out geotechnical investigations and land damage assessments.

Some Geotechnical Projects we have been involved in are:

Bay of Islands Airport - Kerikeri
Duke of Marlborough Hotel - Russell
G J Gardner Homes

Geotechnical Services we offer include:

- Pre-purchase advice & predevelopment assessments
- Foundation design
- Retaining wall design
- Slope stability modelling & stabilisation design
- Slip Repairs
- Construction Monitoring

