



Quarry and Mining Services

Tonkin & Taylor provides niche geotechnical and engineering support to the quarry and mining industries.

Expertise

We have worked on a wide range of projects in New Zealand and overseas at various stages of development from:

- Prospect identification and evaluation
- Resource management and land use consents
- Feasibility and detailed design
- Construction supervision and monitoring
- Site restoration and closure.

An important part of our services is gaining a key understanding of the project requirements and teaming with the client and other supporting consultants to deliver cost effective design solution. The understanding and management of risk is a key element support services we provide.

Quarry and Mine projects include:

- Opencast coalmines
- Opencast goldmines
- Overburden disposal
- Tailings dams
- Rock and alluvial aggregate quarries
- Limestone.

Specific services can be tailored to meet client's requirements from a range of services across a broad spectrum of disciplines:

- Geotechnical
 - Site investigation
 - Engineering geological modelling/assessment
 - Groundwater
 - Cut and fill slope design
 - Risk assessments
 - Foundation design
 - Heavy pavements
 - Tailings dams
 - Earthworks monitoring and control
- Water management
 - Stream diversions
 - Storm-water management
 - Sediment control
- Environmental
 - Air quality/dust
 - Vibration assessments
 - Ecology studies
 - Water quality
 - Assessment of environmental effects
 - Contamination.

