



**Tonkin & Taylor**

## Golden Cross Mine - Operation, Upgrade and Closure, Coromandel

### Client

Coeur Gold New Zealand.

### Project

Coeur Gold purchased the Golden Cross Mine from Cyprus Minerals as an operating mine (see separate project sheet). The tailings dam was being constructed in stages, as required by level of tailings storage. Investigations and design studies were carried out with a view to raising the tailings dam above design level. During operation of the mine a large deep-seated landslide became evident, requiring design and implementation of stabilising measures. On reaching design height, a closure and rehabilitation plan was designed and implemented for the tailings facilities and silt dam.

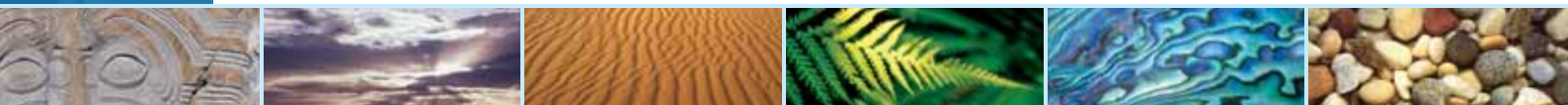
- Detailed monitoring and assessment of landslide stability
- Design of stabilising methods including counterweight fills and dewatering
- Design of closure of rehabilitation works for dams and other surface facilities.



### Services provided

- General earthworks testing and control
- Embankment response analysis for seismic loading
- Embankment dam design
- Investigation and installation of instrumentation for landslide

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