

Golden Cross Mine - Design and Construction, Coromandel

Client

Cyprus Gold New Zealand.

Project

The Golden Cross mine is designed for both open pit and underground mining of gold-bearing ore. The processing of the ore results in a tailings slurry that is pumped to a tailings impoundment area in a nearby valley. The tailings are retained by a “main” dam across the valley and a “saddle” dam to one side. Surface water from the catchment is diverted around the tailings storage area and under-drainage is provided for the streams within the area. Other features include silt dams and roads.



Services provided

- Investigations for green-field site
- Seismic hazard assessment
- Design of main tailings dam and saddle dam
- Design of silt dams
- Design of under-drainage
- Design of surface water diversion drains
- Assessment of environmental effects
- Construction monitoring and testing.

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