

ABSEIL ACCESS LTD

Reference Project

Geotechnical - Use of Explosives

Location: Whangaehu Valley
Wanganui District

Date: 2001

Client: Works Infrastructure

Consultant: Opus International

Two road side cliffs in the Wanganui district presented rockfall hazard. Opus International consultants appointed Abseil Access to work along side Works Infrastructure to remove the hazard and stabilise the cliffs.

Cliff 1

A 10 ton hanging flake of papa rock 40m above the road. A combination of Powergel and Amex was used to remove the supporting point of the flake. The charge was fully successful and no hand scaling was required afterwards.

Cliff 2

A 30m high vertical wall of Papa rock. 32 Powergel charges were drilled in a wedge pattern at the base of the wall. A delayed initiation sequence ensured the wall was successfully undercut and the 400 cubic meters of rock released. No hand scaling was required afterwards.



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