

Bolting upgrade – Twin Creek – Arthurs Pass

This is a proposal to upgrade the attachment hardware on this 6 pitch canyon. This is a safety issue with some of the hardware in poor condition or rusted open. It is an easy access canyon close to the road and a day trip from Canterbury or the West Coast.

Description

- See Canyoning in New Zealand, pages 304-309.

The Setup:

- Current setup is two 12mm bolts connected in line as follows:
 - At the back the bolt is through a chain.
 - At the front the second bolt has a hanger.
 - The chain and hanger are connected with a large steel carabiner.
- On some of the anchors a screw link (rapide) is attached to the steel carabiner as well.

Assessment:

- The bolts, chains and hangers are in reasonable condition.
- The large steel carabiners are rusted and in some cases rusted open.
- The screw link is also rusted and in some cases rusted open.
- The steel carabiner and screw link cannot be removed without mechanical help.
- Some of the carabiners are usable and some are not.
- Carabiners do not allow you to block the rope.

What is needed:

- Short term the issues would be solved by removing/grinding off the large carabiner and replacing with two 8mm stainless screw links on each anchor station. One to connect the chain to the front hanger and another one to use for threading the rope.
- Long term replacement of all the anchors should be considered in the next few years as they were likely put in before 2000 with the commercial guiding operation.

What we need:

- 12 x 8mm Oval Screw Links stainless steel
- Cost \$XXX each x 12 = \$XXX

Total: \$138 including gst – at a discounted rate from Aspiring Enterprises.

Grant Prattley
23 March 2016



Showing an anchor where the carabiner, although rusted shut, was assessed as OK to use.



Showing an anchor where the screw link is rusted open.