

Canyon fund application: Preparing for the 2018 Festival

1. Name of the applicant

Richard Bramley

Email: XXX

Phone: XXX

2. Name of the canyons

Five main 'commuter' canyons

Shift Creek, Chandler Stream, Barefoot Burn, Clearwater Stream, Ellis Creek

Other canyon maintenance

The odd bolting in one or two other canyons depending on the state of bolts (canyons such as Whiskey Falls haven't been checked in a long time).

3. Overview of the project

New canyons have been opened

I am organising the 2018 Canyoning Festival, which will be based in Nelson Lakes. It is expected that over a three day period ~80 people will make trips in the above canyons. I opened all of these canyons during the 2016/2017 summer. I bolted them to varying levels, at considerable cost.

Bolting of these canyons needs to be improved

Shift & Chandler are partly double bolted (all the big drops, but not hand lines and small drops).

Clearwater and Ellis are very sparsely bolted. Barefoot Burn does not have any bolts.

The state of the existing bolting is as follows:

- All single bolt stations are a *stainless hanger + galv mallion*. This will eventually lead to the mallion (and to a lesser extent the hanger) rusting.
- All double bolt stations are a combination of a *stainless hanger* and *stainless hanger + galv mallion*, with connecting webbing. This configuration is acceptable, but unfortunately the galv mallions will lead to rusting.

Proposed improvements to bolting

My intention, starting from now through till the festival (Feb 2018), is to:

- Convert all single bolt stations to double bolt stations (unless it is a very small drop & deep pool).
- Replace all existing *hanger + galv mallion* stations with a *ring hanger*. Strangely it's almost the same price to buy stainless mallions as it is to buy a stainless steel ring hanger, so a ring hanger is the superior option.

- Replace any unrated chain links (used on the first descent) with a rated *stainless steel ring*.
- Add *webbing + stainless steel ring* to some trees (where I rapped off the tree to save gear on the first descent)

Bolting standard to be applied

As per the NZCA bolting guidelines, all double bolt stations will be in the following configuration:

- *Stainless ring hanger + stainless hanger + connecting webbing*

All bolts used will be SS 95mm x 10mm or SS 75mm x 10mm.

What I won't do

Things I'm NOT proposing to do include:

- Recover the cost of any bolting I've done so far. The joy of first descents 😊
- Bolt unnecessarily. Natural anchors will be used when safe to do so.
- Most (if not all) of the bolts put in this season are well placed, so I do not envisage having to ever have more than two bolts in place at one station.
- Cover the cost of improving the bolting of other canyons in the area, which are not likely to be used on the festival.
- Charge for my time 😊

4. Justification for the project

I'd like to think that the justification is fairly obvious. These are all high-quality canyons that will be used during the festival and likely often (20+ trips per year) thereafter. The canyons are not currently safely rigged as is. My proposed bolting is aligned (I presume) with the soon to be published NZAC bolting standard.

5. Evidence of competence of the applicant to complete the project

I've bolted more than 20 canyons and also many caves. I am a NZ Canyoning Association Executive member. I am qualified with NZOIA Canyon 1.

6. Budget for the project (including invoices for retrospective applications)

Total costs

The budget is provided in the table below. The total cost is \$900.50.

This is based on calculating (with a little estimation) the number of drops that need adding to in the recently prepared topos. The topos can be made available on request.

Canyon	No. of existing hanger+mallions to be replaced with ring hangers	No. of single anchor stations to have another hanger and webbing added	No. of new double anchor stations to be added	No of existing chain links to be replaced with SS rings	No. of new 2m webbing + SS rings to be installed	Total
Shift Creek	8	6	5	2	0	
Chandler Stream	9	5	3	4	1	
Clearwater Stream	3		3	4	4	
Ellis Creek	0		4	1	0	
Other (flood damage + bits and pieces)	0	8	2	0	4	
Total	20	19	17	11	9	
Cost						
Unit price	XXX	XXX	XXX	XXX	XXX	
Total	XXX	XXX	XXX	XXX	XXX	<u>900.5</u>

Unit prices of equipment

The unit prices for the equipment are provided in the table below. They are based predominantly on prices from Canyonstore, who have made a discounted offer as part of being a Festival Partner. I will bring some of the equipment back from Europe (while on a trip for work) free of charge. I challenge you to find cheaper rates!

Unit prices	
SS ring hanger	XXX
SS hanger	XXX
SS m90 10mm bolt	XXX
1m webbing	XXX
2m webbing	XXX
SS ring	XXX

Bank details

My bank account details are as follows:

XXX

Evidence & auditing

I am happy to provide evidence that the expenses were incurred if needed. I will get found out on the canyon festival one way or another!