

# Canyon fund application: Tunakohoia canyon Te Aroha

23/01/2018

## 1. Name of the applicant

Pete Smith

## 2. Name of the canyon

Tunakohoia Canyon Te Aroha

## 3. Overview of the project

Tunakohoia was descended by cavers some years ago, and has been used fairly regularly by various groups for a number of years. It has been noted as a worthy adventure canyon with some great abseils and superb view across the Hauraki planes.

It consisted of some old school home made hangers with webbing / maillons and a rock pile.

We (Shanan Fraser and I) considered this project carefully and decided to use stainless steel belay stations at the pitch heads for the job giving a long lasting option for the future of canyoneers.

Equipment installed

- *stainless steel 316 Raumer ring hangers*
- *stainless steel 316 Raumer belay stations on pitch heads*
- *stainless steel 316 90mm x 10mm HST3-R Hilti bolts <https://www.hilti.co.nz/anchor-fasteners/expansion-anchors/2105864#technical-data>*

All anchor placements have been considered carefully are in line with the NZCA Bolting COP.

## 4. Justification for the project

With a growing community top of the north, this canyon is a good adventure canyon and will add to its users experience before heading south and hitting higher flow canyons.

With 8 good pitches and numerous down climbs, good exposure in places, it was deemed a worthy project.

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

I have bolted in caves and canyons and spent many years in the building industry using these type of bolts. My associate in this project, Shanan Fraser, wrote the bolting COP for the association.

## 6. Budget for the project (Total costs)

- stainless steel 316 ring hangers \$XXX x 4 = XXX
- stainless steel 316 Raumer belay stations \$XXX x 8 = \$XXX
- HST3-R Hilti bolts \$XXX x 20 = \$XXX
- Drill bit - \$XXX.
- Total cost = \$333

### Bank details

XXX

### Evidence & auditing

Receipt of bolt purchases are provided below.

The topo is being drawn by Shanan Fraser with notes from Leesa Fraser

Canyoners present on the day were Shanan and Leesa Fraser, Karl Burt, Brendan Wallace and myself.

### Bolts invoice

See below

### Hardware costs

After careful consideration as a supplier I submit the following prices for future use of other applicants who seek funding for future projects.

All Inclusive of GST

- Raumer belay stations \$XXX each.
- Ring hangers \$XXX each.
- Hangers \$XXX each.
- Bolts \$XXX each
- Drill bit - XXX