Adventure Activity Risk Register

Bike Riding

Location:	Aquaduct trail – between Langfords East & West	**Time of Year:**	Term 1, 2, 4
Communications ability rating:	BOEC radio, primarily on Channel 11. . Note: minimal coverage around Cope Hut intersection, must contact Climb site to relay or climb up from track.	**Year level:**	8-12

Learning Outcomes: **Personal Development Outcomes** Cycle safely and effectively as part of a team. Exhibit a responsible, non-damaging attitude to equipment. Students develop life long interests in bike riding. Tolerance towards people of varying abilities. **Environmental Outcomes** Show an awareness and appreciation of the natural environment. Gain a historical knowledge of the High Plains. Acquire knowledge of cycling as a sustainable transport option. **Technical Outcomes** Gain an understanding and working knowledge of gearing. To negotiate ups and downs and rough terrain. Check a bike for safety and adjust to suit your size. Clean and store bike.	**BOEC staff responsibilities:** 1. Implement all controls below & assess ongoing risks 2. Facilitate learning outcomes **Visiting staff responsibilities:** 1. Non-activity supervision 2. Monitor and assess student welfare learning and safety

Past incident data: 2005-8 data indicated… Experienced staff report a strong focus on group management is important to minimise injury, especially when there is a split in experience with students.	Date Risk Assessment completed: 9/12/08 Date Risk Assessment reviewed: Review Cycle: Annually

Please Note: Risks may exist that have not been identified in the table below.
Organisational tolerance: ROSA accepts the post-control residual risk as tolerable within the educational context of the activity.
List 12-20 key risks. Consider the potential for energy to be transferred when deciding which risks are key.
Refer to past incident data. Use the hierarchy of risk control to select an appropriate control.

Likelihood (Probability and frequency of exposure)		
Descriptor	**Rating**	**Description**
Eliminated	0	Risk eliminated
Unlikely	1	May occur, but only in exceptional circumstances
Possible	2	Might occur at some time.
Likely	3	Will probably occur in most circumstances.
Almost certain	4	Is expected to occur in most circumstances.
Certain	5	Is expected to occur in all circumstances.

Consequence (Likely outcome)		
Descriptor	**Rating**	**Description**
Minor	1	No injuries, bruising, temporary rash / irritation. Dealt with by staff in the field,
Important	2	First aid treatment, irritation, discomfort, nausea, Dealt with by staff in the field
Serious	3	Evacuation and medical treatment required, unconsciousness, fractures, dislocation.
Major	4	Extensive injuries, permanent disability,
Catastrophic	5	Fatal injuries

Risk Rating Legend		
Score	**Assessment of Risk**	**Priority of Action**
1-4	LOW	Address or repair if possible. Schedule for action after other risks have been controlled.
5-7	MEDIUM	Further improvements required: assess feasibility for risk controls.
8-13	HIGH	Risk controls required to continue with activity.
+14	EXTREME	Immediate attention required. Consider stopping activity or alternate program until adequate controls are implemented.

Risk Assessment pre controls				Falls from Height
Hazard	Likelihood	Consequence	Risk Rating	Controls
Fall from height - aqueducts	**2**	**2**	**4 LOW**	• Brief students on bicycle control on aqueduct • Coach students to improve skills • Supervise as appropriate
Fall from height at concrete causeways	**3**	**3**	**9 HIGH**	• Stop group prior to high cement causeways. Cross causeways in a organised manner • Assess rider skill, and either closely supervise riders, or; • Walk students across walkways to eliminate this risk

Risk Assessment pre controls				Manual Handling
Hazard	Likelihood	Consequence	Risk Rating	Controls
Injury due to Bike loading/unloading	**3**	**2**	**6 MED**	• Techniques and methods for safe handling taught. • Loading and unloading of bikes is supervised closely.

Risk Assessment pre controls				Collisions
Hazard	Likelihood	Consequence	Risk Rating	Controls
Collisions between riders	**2**	**3**	**6 MED**	• Students asked to indicate current riding skills and experience • Safety briefing prior to riding • Opportunities to practice braking and gear changing • Coaching and feedback provided by staff • Ride is not undertaken until students have demonstrated appropriate skill level • Students supervised as closely as needed to minimise collision risk
Collisions between riders and vehicles. **In terms of Aquaduct ride this is ELIMINATED only applicable in Village**	**3**	**3**	**9 HIGH**	• Brief students on presence of vehicles in Bogong Village turning circle • Prevent students from practicing if vehicles are driving through area at speed • Minimise any on road riding, particularly if alternatives to the usual cycling routes are chosen. • Group to be briefed on road riding conduct if it is undertaken: • Lead and sweep riders to be staff • Single file on left side • Passing and car calls • Stopping off the roadway.

Collisions between rider and fixed objects/the ground	**2**	**3**	**6 MED**	• Practice ride on gentle terrain • Coaching and feedback provided by staff • Ride is not undertaken until students have demonstrated appropriate skill level • Students supervised as closely as needed • Staff are positioned to provide advice on upcoming hazards

Risk Assessment pre controls				**Environment**
Hazard	Likelihood	Consequence	Risk Rating	Controls
Weather extremes	**3**	**3**	**9 HIGH**	• Weather protocols are followed • Weather is monitored during activity and activity is modified if required.
Hypothermia/hyperthermia/sunburn	**2**	**3**	**6 MED**	• Students are checked for suitable clothing • Staff carry ample spare clothing • Sun protection is worn as needed.
Slippery surfaces	**2**	**3**	**6 MED**	• Brief students on upcoming slippery surfaces • Control rider speeds

Risk Assessment pre controls				**Falling Objects**
Hazard	Likelihood	Consequence	Risk Rating	Controls
Tree branches	**1**	**4**	**4 LOW**	• Monitor trail for dodgy branches