



## Adventure Activity Risk Register

### Cross Country Skiing

<b>Location:</b>	XC skiing occurs from Windy Corner, Falls Creek, and operates out to the Nordic Bowl, Resort trails, Heathy Spur and McKay Road to Mt McKay.	<b>Time of Year:</b>	Term 3
<b>Communications ability rating:</b>	BOEC Radio Network	<b>Year level:</b>	8-12

<b>Learning Outcomes:</b> 1. To explore the alpine environment on a mobile platform and begin to understand a connection with the alpine environment and their home communities. 2. Become competent in basic Cross Country ski skills.	<b>BOEC staff responsibilities:</b> 1. Implement all controls below & assess ongoing risks. 2. Facilitate learning outcomes. <b>Visiting staff responsibilities:</b> 1. Non-activity supervision. 2. Monitor and assess student welfare learning and safety.
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Past incident data: 2005-8 data indicated... Experienced staff report that students need to be managed carefully in all firm snow/ice conditions on exit from Windy corner and entry into Nordic Bowl, weather conditions should be observed and route planned around this, heavy/deep snow should be avoided, and fatigue should be closely managed particularly after 3pm.	Date Risk Assessment completed: 9/12/08 Date Risk Assessment reviewed: Review Cycle: Annually
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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
Falls into aqueduct	1	3	3 <b>LOW</b>	<ul style="list-style-type: none"> <li>• Skill instruction and stability achieved before skiing aqueduct trails.</li> <li>• Single file along aqueduct.</li> <li>• Assistant or BOEC staff as 'whip'.</li> </ul>

Risk Assessment pre controls				Manual Handling
Hazard	Likelihood	Consequence	Risk Rating	Controls
Heavy or awkward loads	2	2	4 <b>LOW</b>	<ul style="list-style-type: none"> <li>• Correct lifting methods for ski equipment transport are used</li> <li>• Care is taken when assisting a person who has fallen over</li> </ul>

Risk Assessment pre controls				Collisions
Hazard	Likelihood	Consequence	Risk Rating	Controls
Collisions due to fatigue/low skill/speed/equipment failure – with other people.	2	3	6 <b>MED</b>	<ul style="list-style-type: none"> <li>• Safe stopping brief</li> <li>• Match terrain with skill and condition</li> <li>• Group skiing safety brief</li> <li>• Teach Alpine Responsibility Code.</li> <li>• Maintain all ski equipment</li> </ul>
Collisions due to: Fatigue, low skill, speed, equipment failure – with fixed objects.	2	4	8 <b>HIGH</b>	<ul style="list-style-type: none"> <li>• Safe stopping brief</li> <li>• Match terrain with skill and condition</li> <li>• Students' speed is reduced near fixed objects.</li> <li>• Students instructed to avoid skiing too close to fixed objects where possible.</li> <li>• Maintain all ski equipment</li> </ul>
Basic collision with snow on skis	4	3	12 <b>HIGH</b>	<ul style="list-style-type: none"> <li>• Safe stopping brief</li> <li>• Match terrain with skill and condition</li> <li>• Monitor fatigue/skill level and adjust terrain to suit.</li> </ul>

Risk Assessment pre controls				Environment
Hazard	Likelihood	Consequence	Risk Rating	Controls
Student separated from group in poor weather.	2	4	8 HIGH	<ul style="list-style-type: none"> <li>Group management procedures established and followed.</li> <li>Safety Briefing on lost procedure</li> <li>Modify route to match weather conditions.</li> <li>Use assistant as rear-guard. Buddy system.</li> </ul>
Lost student or staff	1	4	4 LOW	<ul style="list-style-type: none"> <li>Group management procedures established and followed.</li> <li>Safety Briefing on lost procedure</li> <li>Modify route to match weather conditions.</li> <li>Use assistant as rear-guard. Buddy system</li> <li>Staff to employ lost student procedure</li> </ul>
Cold related illnesses due to poor weather/ clothing.	2	3	6 MED	<ul style="list-style-type: none"> <li>Student briefing on dealing with cold</li> <li>Pre-departure check of clothing and equipment.</li> <li>Ongoing monitoring of weather and students.</li> <li>Altered activity or group management in colder weather.</li> </ul>
Slips and trips on ice and snow when walking	2	3	6 MED	<ul style="list-style-type: none"> <li>Briefing to include appropriate equipment, movement and danger spots.</li> <li>Icy or wet surfaces are identified</li> <li>Advice is given to walk slowly</li> <li>Stairs and other trip hazards are avoided as much as possible when ski boots worn.</li> </ul>

Risk Assessment pre controls				Falling Objects
Hazard	Likelihood	Consequence	Risk Rating	Controls
Snow or ice from trees or buildings	2	3	6 MED	<ul style="list-style-type: none"> <li>Avoid walking skiing or stopping under objects loaded with snow/ice</li> </ul>