

FAIRPLAY OUTDOOR EDUCATION CENTRE RISK ASSESSMENT

HIGH ROPES – Powerfan

HAZARD	AT RISK	DEGREE OF RISK	ACTION TO CONTROL RISK	COMMENTS
HEAD INJURY	CLIENT INSTRUCTOR	MEDIUM	<ul style="list-style-type: none"> Helmets are issued to all participants, staff member and are also worn by instructors. The fitting of helmets is checked by the instructor prior to and throughout the session. Helmets may only be removed if outside the area of the activity and/or the instructor has given permission. 	
FALLING OFF WHILST ON/ AT TOP OF FAN DESCENT	CLIENT INSTRUCTOR	MEDIUM	<ul style="list-style-type: none"> Emphasise the need to listen to instructions Ensure correct staff to student ratios. Clear concise briefing Correct belaying procedure Climber correctly connected to the Powerfan Climber correctly connected to climbing rope using a 'Belay Master' karabiner. Instructor to directly supervise the transfer of the group member from belay to being connected to the Powerfan. Instructor to be secured using cow's tail safety line. 	
HITTING THE GROUND DUE TO CLIENT TO CLIENT BELAYING	CLIENT	LOW	<ul style="list-style-type: none"> GRIGRI belaying device is used by member of F.P.H. staff. Group members may assist when pulling. 	
ON LANDING HITTING THE GROUND AT A VELOCITY THAT COULD CAUSE INJURY	CLIENT	LOW	<ul style="list-style-type: none"> Persons over 120kg should not use the Powerfan. Instructor to explain landing with legs bent. 	

HITTING THE GROUND DUE TO ROPE STRETCH	INSTRUCTOR CLIENT	MEDIUM	<ul style="list-style-type: none"> • Keep ropes as tight through the GRIGRI • Group member to be lowered slowly 	
PHYSICAL INJURY	CLIENT	MEDIUM	<ul style="list-style-type: none"> • Climbers to be shown via demonstration the correct way to land and fall • Instructor is a qualified first aider and carries a first aid kit. • Group members have personal medication with them and instructor checks all group members' medical conditions PRIOR to the session via the Group Medical Form. 	
PSYCHOLOGICAL INJURY	CLIENT	MEDIUM	<ul style="list-style-type: none"> • Group members are encouraged but not put under unreasonable pressure and forced to complete an activity against their will. 	
PERSON DESCENDING LANDING ON ANOTHER PERSON	INSTRUCTOR CLIENT OUTSIDE USER	MEDIUM	<ul style="list-style-type: none"> • Instructor to control the timing of jumps and ensure the landing area is clear. • Group leader also briefed by instructor to control those persons in their group on the ground 	
CLOTHING / HAIR CATCHING IN EQUIPMENT	INSTRUCTOR CLIENT	LOW	<ul style="list-style-type: none"> • Long hair tied back • Clothing secure • Rescue equipment available to hoist and release 	Discussed with VERTEX 15/16 April 2019.
INJURY FROM JEWELLERY	INSTRUCTOR CLIENT	LOW	<ul style="list-style-type: none"> • Group members are instructed to remove all jewellery before session. • Group members advised of the risks associated with taking part in the activity with jewellery in place 	.
BECOMING DETACHED FROM ROPE AND FALLING TO THE GROUND	INSTRUCTOR CLIENT	LOW	<ul style="list-style-type: none"> • Group members to be attached using a Belay Master karabiners clipped to DMM Bridge during ascent and descent 	

WEATHER	INSTRUCTOR CLIENT	LOW	<ul style="list-style-type: none"> • Activity stopped / cancelled if weather presents a significant risk e.g. lightning, high winds (The Powerfan must not be used in strong winds. As a guideline, the activity should be suspended if the wind speed is higher than 49 km/h). • The Powerfan must not be used in temperatures below -15°C or in temperatures above 45°C. 	
HARNESS COMING UNDONE / FALLING OFF	INSTRUCTOR CLIENT	LOW	<ul style="list-style-type: none"> • Instructor to check the correct sizing and fitting of harness • Instructor continues to re-check harness throughout the session particularly if removed or adjusted by the group member • Instructor to tighten maillons with spanner. 	
EQUIPMENT FAILURE	INSTRUCTOR CLIENT	LOW	<ul style="list-style-type: none"> • Session leader to check rope before drawing equipment. • All other equipment to be checked before use • Instructions from manufacturer followed: Before use, every day, the following must be checked: <ol style="list-style-type: none"> 1. <i>Overall appearance of the Powerfan. There must be no obvious signs of tampering or malicious damage caused to the machine.</i> 2. <i>That no foreign object or material is in any part of the Powerfan device (including snow, sticks, rope, leaves, etc.). Particular care should be made to check for any ice in any part of the device.</i> 	

EQUIPMENT FAILURE	INSTRUCTOR CLIENT	LOW	<p>3. The moving parts of the Powerfan must rotate correctly and smoothly.</p> <p>4. Particular care must be taken to ensure that the Drope is undamaged and that the sheath is complete along its entire length. The Drope must be fully unwound and, whilst recoiling through the instructor's fingers, attention should be paid to any anomalies in the construction of the Drope – flat spots etc.</p> <p>5. The Drope should recoil correctly.</p> <p>6. The descent counter correctly registers the descent during the rewind of the Drope.</p>	
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This risk assessment is reviewed annually or earlier if necessary