

## Valley Adventure Centre – Aerial Trekking & Powerfan (including Rookie Trekking) Risk Assessment

<b>Risk Assessment for:</b> Aerial Trekking & Power Fan and Rookie Trekking	<b>Assessor(s):</b> Alex Dodds	<b>Date:</b> 02/01/2025
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<b>Overview of activity/ location/ equipment/ conditions assessed:</b>	<p>Aerial Trekking is a high ropes activity over 2 levels (3m and 8m) with 15 elements/ obstacles on each level. Participants are attached to a continuous belay cable to allow movement over the elements. There is no requirement to unclip from the wire at any time whilst doing the activity.</p> <p>The Powerfan is an activity involving a 12m controlled vertical descent from a tower.</p> <p>The Rookie Trekking is a continuous belay system course less than 1 meter off the ground consisting of 12 elements. The Rookie Trekking also includes a 'Mini Zip Wire'</p>
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Generic or specific assessment:		Specific		
Serial	Hazard(s) identified	Persons affected	Existing Controls	Additional Controls
1	General Site safety	All staff and public	<p>Participants must attend a safety brief prior to the activity</p> <p>No person will be allowed to take part unless they can demonstrate that they have fully understood the safety instructions and rules for the centre and activity</p>	See the Safety Brief
2	Slips, trips, falls and personal injury	All staff and public	<p>Obstacles and elements are inspected prior to use.</p> <p>Monthly Inspections are undertaken by trained/experienced staff</p> <p>At the time of booking participants are informed about wearing suitable clothing and footwear for the session.</p> <p>To avoid injury the participants should be briefed before the activity begins. The brief should cover where hands, head and feet</p>	See the Safety Brief

			should be placed and where injuries may occur and how to avoid them	
3	Young persons and vulnerable adults	All staff and public	<p>Additional information is requested before the session in order for any adaptations to be made.</p> <p>Under 16's require a '<b>Consent Form</b>' signed by a parent or guardian or have a parent/guardian in attendance.</p> <p>The minimum age for the Aerial Trekking &amp; Powerfan activity is 7 years old.</p> <p>Occasionally 6 year olds may be permitted to use the course (i.e. same school year 7<sup>th</sup> birthday parties) but they must be at least 120cm in height.</p> <p>The minimum age for the Rookie Trekking is 5 years old. An adult must accompany children on the Rookie Trekking at all times from the ground.</p> <p>Occasionally, 4 year olds may be permitted to use the 1m level (i.e. same school year for 5<sup>th</sup> birthday parties) but they must be at least 90cm in height.</p>	Young persons and vulnerable adults will tend to forget the safety instructions and rules when they are excited. It is essential to repeat the rules at frequent intervals.
4	Health and/ or fitness	All staff and public	<p>Each participant should understand that the activity is physical and mentally challenging</p> <p>All users should be fit enough to undertake the activity and operate within their personal limits.</p> <p>Participants are advised to seek professional assistance if in doubt about the fitness level required for the activity.</p> <p>Participants with current injuries or undergoing medical treatment should consult with the Senior Staff before participating in the activity</p>	See the Safety Brief

5	First aid and medical requirements	All staff and public	<p>Supervising staff have received first aid training.</p> <p>In addition The Duty Manager has a valid first aid award.</p> <p>First aid kits are available in the Tower and the Office</p> <p>An accident reporting record is keep by the Centre Manager.</p> <p>Participants with additional medical requirements such as asthma, inhalers, diabetes etc should make themselves known to supervising staff so that appropriate measures may be taken to ensure the availability of personal medications if required.</p>	<p>It may be impractical for participants to carry personal medications during activity. All personal medications should be immediately available in the 'Tower' or carried by a supervisor if requested.</p> <p>The activity may be stopped if personal medications are required.</p>
6	Alcohol and drug misuse	All staff and public	Any person who appears to be under the influence of alcohol and / or drugs will be asked to leave the site.	
7	Fire and Emergency	All staff and public	<p>The site is 'No Smoking'.</p> <p>Naked flames are not allowed on-site unless as part of the 'Bushcraft' sessions at a designated fire pit.</p> <p>Staff are inducted and trained to respond in the event of a fire.</p> <p>Contact the emergency services by calling 999 or 112 from the office or by mobile phone.</p> <p>There is a mobile reception for most networks on-site.</p>	In the event of a Fire or Emergency all users will be escorted by an instructor to the Emergency Assembly Area which is located next to the water pumping station at the main gate entrance to the centre.
8	Panic or Injury etc.	All staff and public	<p>Every Aerial Trekking session normally has a minimum 1 Rescuer with a further Rescuer on-site.</p> <p>Rescuers must be trained and assessed to evacuate participants and casualties from all</p>	See Passive and Active Rescue Procedures in the Aerial Trekking & Powerfan Operating Procedures.

			<p>areas of the Aerial Trekking course including unconscious casualties.</p> <p>There are 3 'Rescue Bags' containing the correct evacuation equipment for rescues and lowers from height.</p> <p>Participants are under supervision at all times by a minimum of 2 staff (one instructor, one assistant instructor) in the Tower and on the ground.</p> <p>Support should initially be from the ground or Tower vocally before an Instructor goes on to the course to support a participant</p> <p>Lead Instructors are to be trained and signed off by an ERCA trainer. Assistant instructors are trained in house by the Lead Instructor, Centre Manager or Operations Manager. Assistants must attend sufficient training sessions, and be assessed as competent, before assisting on any session.</p> <p>Rookie Trekking session will have a minimum of one instructor or Assistant Instructor on the ground supervising and assisting the children on the elements and mini zip wire.</p>	
9	Powerfan failure	All staff and public	<p>All participants wait at the top of the Tower behind a safety chain, which is operated by the instructor and are provided with an additional briefing.</p> <p>The instructor will check the function and operation of the Powerfan prior to use.</p> <p>Participants are attached to the Powerfan by the front attachment point.</p> <p>The instructor controls the participants leaving the platform.</p> <p>A second instructor is at the bottom of the Powerfan to assist with landing.</p>	See Passive and Active Rescue Procedures in the Aerial Trekking & Powerfan Operating Procedures.

10	Staff and Public entering the activity area during a session	All staff and public	During the site briefing everyone is instructed on the use of helmets within the site Any adults assisting the children on the Rookie Trekking are required to wear a helmet at all times.	
11	Weather	All staff and public	All staff and public are to wear suitable footwear and clothing for the conditions Force 7 wind conditions from the south west will halt the activity. Force 8 wind conditions will halt all activities. Heavy rain will halt activities at the discretion of the duty manager. Participants should be briefed to take more care in adverse conditions.	A dynamic risk assessment is made before and during sessions. Participants are briefed on weather conditions as required. The activity can be adjusted as conditions dictate i.e. only use level 1 if windy. Activity will be stopped if necessary.
12	Inadequate personal clothing and/ or footwear	All staff and public	Participants are advised to remove rings and jewellery and are advised to wear sturdy, close-toed footwear. Hair tied back and no objects in pockets.	Spare hair bands should be kept in the Office for use by participants.
14	Equipment failure	All staff and public	Instructors should ensure all PPE equipment is clean, fits properly and conforms to safety regulations. Defective equipment should be quarantined Size and adjust harnesses and helmets to correct fit. Re-adjust equipment as necessary during activity especially after weighting the harness. All equipment should have a pre-use check and be Inspected every 3 months by a suitably qualified or experienced member of staff. Lanyards should be sized to the individual Equipment should be stored in a clean dry environment.	

18	Falling from height	All staff and public	The entire ropes course is inspected visually prior to use and undergoes a complete 'nut and bolt' inspection monthly. Instructors are fully trained and assessed in briefing participants around the course, inspecting lanyards and completing top to toe departure checks.	Participants should be able to pull themselves back onto the course in the event of a slip. ERCA instructors are trained and assessed to rescue participants from any part of the ropes course using short pulley hoists to regain participants back onto the course and also how to lower participants to the ground using recognised ERCA rescue procedures.  <b><i>*See Passive and Active Rescue Procedures in the Aerial Trekking &amp; Powerfan Operating Procedures.</i></b>

Date of review:	Serial amended:	Reviewed by:	Date of review:	Serial amended:	Reviewed by:
Aug 12	N/A	Wilkes			
Apr 13	3, 8, 9, 12, 13, 15, 16, 18	Wilkes			
Jun 13	Assessor(s)	Corbett			
Jun 14	3, 7, 9, 12, 13, 15, 16	Corbett			
April 15	Title, Overview, 1, 3, 8, 10, 11, 13, 14, 16, 18	Corbett			
May 16	11 & General Review	Robinson			
Sep 17	17, 18	Wade			
Feb 18	General Review	Wade			
April 18	3,17	Colin			
Feb 19	General Review	Colin			
Jan20	8 & General Review	Colin			

April 21	General Review	Girdwood			
Jan 22	Review	Girdwood			
Jan 23	11 & Review	Girdwood			
Jan 25	Full Overview	AD			