



**RISK MANAGEMENT FORM  
(RAMS)  
EMAIL**

**January 2025**

**Locations:** Auckland  
Bay of Plenty  
Wellington  
Christchurch

**Legend = Risk Hierarchy**

<b>PRIORITY 1</b>	<b>PRIORITY 2</b>	<b>PRIORITY 3</b>
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RISK	RISK HIERARCHY	DANGER SOURCE	ELIMINATE	ISOLATE	MINIMIZE	RISK MANAGEMENT STRATEGIES
Risk of falling due to wrong use of safety lanyards	PRIORITY 1	Lack of understanding of the use of safety lanyards	X	✓	✓	<ul style="list-style-type: none"> <li>- Simple but complete safety briefing for all participants</li> <li>- Participants to demonstrate their understanding of the safety rules on a practice course before being allowed on the course</li> <li>- Supervising staff on the ground</li> <li>- Safety rules explained on signs on ticketing office and at the entrance of the park</li> <li>- Reminder signs on the pathways</li> </ul>
	PRIORITY 1	Participants knowingly not attached with safety lanyards	X	X	✓	<ul style="list-style-type: none"> <li>- Risk disclosure in the safety briefing</li> <li>- Clic-it smart lanyards</li> <li>- Supervising staff on the ground</li> <li>- Participant to be removed from the course</li> <li>- Reminder signs on pathways</li> </ul>
	PRIORITY 1	Participants accidentally unclipping themselves from the safety	✓	X	X	<ul style="list-style-type: none"> <li>- Installation of Clic-it smart belay system in November 2013</li> <li>- Regular checks and maintenance</li> </ul>
	PRIORITY 1	Participants attach safety lanyards to a system not designed for safety.	X	X	✓	<ul style="list-style-type: none"> <li>- Explanation in the safety briefing</li> <li>- Clic-it smart lanyards work only on wire</li> <li>- Safety cables clearly painted red</li> <li>- Supervising staff on the ground</li> <li>- Participant to be removed from the course</li> </ul>
	PRIORITY 1	Participants' stress level	X	X	✓	<ul style="list-style-type: none"> <li>- Progressive difficulty and height of the pathways</li> <li>- 'Challenge by Choice' policy</li> <li>- Everyone can stop or be rescued at any time</li> <li>- Explanation at the safety briefing</li> </ul>

	PRIORITY 1	Participants' fatigue level	X	X	✓	<ul style="list-style-type: none"> <li>- Everyone can stop or be rescued at any time</li> <li>- Progressive difficulty of the pathways</li> <li>- Explanation at the safety briefing</li> <li>- Supervising staff on the ground</li> </ul>
	PRIORITY 1	Participant is intoxicated	X	X	✓	<ul style="list-style-type: none"> <li>- Rules and regulations are explained on the website, brochure, ticketing office and signs in the forest</li> <li>- Participants to demonstrate their understanding of the safety rules on a practice course before being allowed on the course</li> <li>- Supervising staff on the ground</li> <li>- Participant to be removed from the course</li> </ul>
Risk of injury due to wrong use of pulley	PRIORITY 2	Wrong installation of the pulley	X	X	✓	<ul style="list-style-type: none"> <li>- Simple but complete safety briefing for all participants</li> <li>- Participants to demonstrate their understanding of the safety rules on a practice course before being allowed on the course</li> <li>- Supervising staff on the ground</li> <li>- The safety lanyards eliminate the risk of falling.</li> </ul>
	PRIORITY 2	Use of pulley on challenges not designed as a flying fox	X	X	✓	<ul style="list-style-type: none"> <li>- Simple but complete safety briefing for all participants</li> <li>- Supervising staff on the ground</li> <li>- Reminder signs on the pathways</li> <li>- Stopper blocks on safety cables</li> <li>- Participant to be removed from the course</li> </ul>
	PRIORITY 2	Participant hanging upside down on a flying fox	X	X	✓	<ul style="list-style-type: none"> <li>- Simple but complete safety briefing for all participants</li> <li>- Supervising staff on the ground</li> <li>- Participants to demonstrate their understanding of the safety rules on a practice course before being allowed on the course</li> <li>- Participant to be removed from the course</li> </ul>

	PRIORITY 2	Hand injury due to hand in front of pulley	X	X	✓	<ul style="list-style-type: none"> <li>- Simple but complete safety briefing for all participants</li> <li>- Participants to demonstrate their understanding of the safety rules on a practice course before being allowed on the course</li> <li>- Supervising staff on the ground</li> <li>- Pulley design greatly minimizes the risk of pulley running over hand</li> </ul>
Risk of falling due to a construction fault	PRIORITY 3	Interruption of the safety cable	✓	X	X	<ul style="list-style-type: none"> <li>- Regular inspections and maintenance</li> </ul>
	PRIORITY 3	Unclear layout	X	X	✓	<ul style="list-style-type: none"> <li>- Regular inspections and maintenance</li> <li>- Periodical inspection by a NZ independent engineer</li> </ul>
	PRIORITY 3	Participant attaching safety lanyard to tail end of cable	✓	X	X	<ul style="list-style-type: none"> <li>- Tails used as safety loops</li> <li>- Loose tails attached to main cable</li> </ul>
	PRIORITY 3	Height of safety cable unsuitable	X	✓	X	<ul style="list-style-type: none"> <li>- Minimum height of participant to be checked before entering</li> <li>- Staff supervision on the ground</li> </ul>
	PRIORITY 3	Lack of tightening	✓	X	X	<ul style="list-style-type: none"> <li>- Regular inspections, maintenance and torque checks (33nm) on safety cable grips</li> </ul>
	PRIORITY 3	Fall factor too high	X	✓	✓	<ul style="list-style-type: none"> <li>- Design according to the European standard</li> <li>- Safety cable is above the harness at all times</li> <li>- Signs on ladders to keep safety lanyards above shoulders</li> <li>- Shock absorbers on access ladders</li> <li>- Calculation and control by an independent engineer</li> </ul>
	PRIORITY 3	Construction material not suitable for the purpose	X	✓	X	<ul style="list-style-type: none"> <li>- Construction according to the European standard</li> <li>- Calculation and control by an independent engineer</li> <li>- Regular inspections and maintenance</li> </ul>
	PRIORITY 3	Overcrowding of platforms and/or challenges	X	X	✓	<ul style="list-style-type: none"> <li>- Simple but complete safety briefing for all participants</li> <li>- Reminder signs on the pathways</li> <li>- Supervising staff on the ground</li> </ul>

Risk of injury due to falling or collapsing objects.	PRIORITY 3	Use of inappropriate trees for platforms and challenges	X	✓	✓	- Periodical inspection by a NZ independent arborist - Protection of trees to minimize damage
	PRIORITY 3	Falling pine cones	X	✓	✓	- Park closure if wind is too strong
	PRIORITY 3	Falling dead wood	X	✓	✓	- Park closure if wind is too strong - Pruning of supporting and nearby trees
	PRIORITY 3	Falling objects from participant	X	X	✓	- Pulley is non detachable - No defined walkways under the cables - Participant cameras are to be secured
Risk of injury related to PPE or clothes	PRIORITY 3	Unsuitable PPE	✓	X	X	- PPE adopted for specific use
	PRIORITY 3	Damaged PPE	X	✓	✓	- Daily visual inspection of PPE - Staff trained in managing and verifying PPE - Annual inspections and recording of PPE
	PRIORITY 3	Wrong fitting of PPE	X	✓	✓	- PPE fitted on participants by staff only before briefing, if it cannot fit correctly then they cannot proceed. - Supervising staff on the ground - Clients informed that if PPE is taken off or adjusted it needs to be checked by staff - Sign in the forest that PPE must be fitted by staff only
	PRIORITY 3	Hair stuck in pulley	X	✓	✓	- Sign in the briefing area that long hair has to be tied up - Supervising staff on the ground - Hair ties available at office
	PRIORITY 3	Participant has no shoes or refuses to wear gloves	✓	X	X	- Spare footwear available at office - Access to the course refused
Risk from lack of staff training	PRIORITY 3	Lack of staff training	X	✓	✓	- All staff to receive an induction - 3 levels for instructors with different responsibility and training - Regular staff training reassessments - Personal staff training records

Risk of injury due to other reasons	PRIORITY 3	Collision between participants and walkers	X	✓	✓	<ul style="list-style-type: none"> <li>- Signs on the ground for walkers</li> <li>- Simple but complete safety briefing for all participants (one at the time on flying foxes, make sure it is clear before leaving the platform)</li> </ul>
	PRIORITY 3	Obstacles at human height	X	✓	X	<ul style="list-style-type: none"> <li>- Obstacles creating a danger are protected or removed</li> </ul>
	PRIORITY 3	Ground obstacles	✓	X	X	<ul style="list-style-type: none"> <li>- No obstacles in the walking area</li> <li>- Regular clearing of the walking areas</li> </ul>
	PRIORITY 3	Participant experiencing dizzy spells during activity	X	X	✓	<ul style="list-style-type: none"> <li>- Staff trained for rapid intervention</li> <li>- Supervising staff on the ground</li> <li>- Easy access for rescues anywhere on the course</li> <li>- Rescue equipment present at all times</li> <li>- Flying Fox landing zones are protected by crash pads and shock absorbers</li> </ul>
	PRIORITY 3	Participant disturbing the normal run of activities	X	X	✓	<ul style="list-style-type: none"> <li>- Supervising staff on the ground</li> <li>- Participant to be removed from the course</li> </ul>
Fire ignition source on site	PRIORITY 3	Equipment source	X	✓	✓	<ul style="list-style-type: none"> <li>- No use of generator or sparking tools during opening hours.</li> <li>- The forest has been cleared</li> <li>- No smoking or barbeques in the forest</li> <li>- Fire extinguisher in the office</li> <li>- Park rangers on call in Spencerpark and Bay of Plenty</li> </ul>
	PRIORITY 3	Human source	X	✓	✓	
Risk from the climatic atmosphere	PRIORITY 3	Storm, precipitation, cold and heat	X	X	✓	<ul style="list-style-type: none"> <li>- Park closure by the on duty safety leader</li> <li>- Regular monitoring of weather forecasts</li> </ul>
Risk from acts of nature	PRIORITY 3	Earthquake, Tsunami, volcanic eruptions etc.	X	X	✓	<ul style="list-style-type: none"> <li>- Staff trained in rapid evacuation of the course</li> <li>- Easy access for rescues anywhere on the course</li> <li>- Rescue equipment present at all times</li> </ul>
Risk of damage due to vandalism	PRIORITY 3	Partial or complete destruction of the safety system	X	✓	✓	<ul style="list-style-type: none"> <li>- Daily course inspection before opening</li> <li>- Accessibility of pathways hindered by locking access ladders</li> <li>- Lock tight glue on grips on 'accessible' pathways</li> </ul>

						- Security cameras operating day and night
Risk from non-authorized entry outside opening hours	PRIORITY 3	No use of PPE	X	✓	✓	<ul style="list-style-type: none"> <li>- Course designed to have very few possibilities without PPE</li> <li>- Accessibility of pathways hindered by locking access ladders</li> <li>- Signs at the start</li> <li>- Security cameras operating day and night</li> </ul>