

Risk Assessment Activity – Zipwire

Pioneer Centre	Assessed by: James Kniffen				Assessed:	Next Review Date
					02/03/21	07/01/22
<p>Overview: Zipwire - Steel cables are tensioned between purpose built poles and climbing towers. The towers, poles and wires are inspected annually by High Times Technical Consultants. Trained staff do a check of the zipstop mechanisms before the zip wires can be used for the day as recommended by the manufacturing company and the zipstops them self are sent off for annual servicing and inspection. Also, a quarterly inspection of the wires and brakebombs are carried out by trained staff. All rope techniques, together with equipment and its life inspection procedures are established and overseen by the Chief instructor who has the Winter Mountaineering and Climbing Instructor (WMCI). Staff are in-house trained and assessed. Preferred Staff to Client ratio 2:12 and a maximum of 2:16 under supervision (under instruction 1:1 instructor to client for doing the zip line).</p>						
Hazards	Groups of People at Risk from the Hazards Identified	Probablity	Severity	Risk Category	Control Measures	
Structural Failure	Instructors, staff and guest/participants	Very unlikely	Fatal	Low	Zip wire built by approved contractors. External annual inspection carried out. Monthly checks on PPE are carried out and quarterly checks on structural elements.	
Falling objects	Instructors, staff and guest/participants	Unlikely	Major	Medium	Group briefed to empty pockets. All equipment at top of tower secured. Participants briefed on how to stand if objects fall to protect themselves.	

Unauthorized access to Towers	Instructors, staff, guest/participants and general public	Very likely	Fatal	Low	Tower doors locked and shut when not in use. Access to the Towers is only allowed with a trained staff member. No access signs clearly displayed on fencing around the tower areas.
Rope burns	Instructors, staff and guest/participants	Unlikely	Minor	Low	Group briefed on correct clothing. Instructor supervises guests contact with rope. Instructors are trained in safe lowering practices of lowering slowly and smoothly.
High level fall	Instructors, staff and guest/participants	Very Unlikely	Fatal	Low	Detailed in-house training & assessment are carried out ensure safe practice is used for activity. Correct use of all equipment. All PPE checked and recorded monthly. See supporting documents for safety practices.
Low level fall	Instructors, staff and guest/participants	Unlikely	Major	Medium	Instructors belay participants down upon finishing the zip wire run by taking hold of rope they are attached and walking the participant through the lower. The instructor has hold of the rope while lowering to ensure participant is brought to the ground safely.
Environmental Hazards	Instructors, staff and guest/participants	Very likely	Fatal	Medium	All participants are briefed on proper clothing for the current weather conditions. Tower not used or sessions cancelled in the event of thunder &

					lightning (activities can resume 30mins after last thunder was heard) or winds above force 9 (50mph)
Slips, trips and falls	Instructors, staff and guest/participants	Likely	Minor	Medium	Maintenance of site, instructor visually checks area upon arrival. General brief and group management is provided by instructors to ensure play is safe.
Soft tissue injury	Instructors, staff and guest/participants	Unlikely	Minor	Low	Instructor aware of group's capabilities. Warm up/warm down as needed.
Physiological effects	Guest/participants	Very unlikely	Major	Low	Instructors aware of groups needs and medical issues. Challenge by choice brief is given and instructors will respect participates choices and be sensitive and adapt to participates reactions to the activity they are invited to participate in.
Stress / Panic Attack	Guest/participants	Likely	Major or traumatizing	Low	Challenge by choice brief is given and instructors will respect participates choices. Instructors will air on the side of caution if participants start to panic or have strong emotional reaction to the activity the instructors will react quickly to ensure the level of stress is brought back down to acceptable level. This should help ensure the activity runs well for all those involved.
Helmet suspension (caught on an element)	Instructors, staff and guest/participants	Likely	Major	Medium	Lowering practices taught that prevents helmets catching e.g. slow careful lowering of participants in the correct position.

