

# Risk Assessment Activity – Giant Swing

Pioneer Centre	Assessed by: James Kniffen				Assessed:	Next Review Date
					01/03/2021	07/01/22
<p><b>Overview:</b> Giant Swing was purpose built by JM Adventures (approved contractor) March 2020. The Giant Swing is 11-meter giant swing and is suitable for participants between 20kg and 120kg. Trained staff do a check at the beginning of the day, when used, to ensure all equipment and elements are in good working order. There is annual independent inspection by High Times Ltd. A quarterly inspection of the structure is carried out by trained staff and recorded. All the equipment 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 1:12 and a maximum of 1:16 under supervision (under instruction 1:1 / 2:1 ; 1:2 / 2:2 or 1:3 / 2:3 instructor to client for doing the Giant Swing).</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	Giant Swing structure was built by approved contractors and external annual inspections are carried out. Quarterly structural checks are carried out. Structure built of a suitable material.	
Falling objects	Instructors, staff and guest/participants	Unlikely	Major	Medium	Group briefed to empty pockets. Guests briefed on how to stand if objects fall to protect themselves. Safe areas clearly and marked with a physical barrier (fence).	
Unauthorized access to the Giant Swing	Instructors, staff, guest/participants and general public	Likely	Fatal	Low	When not being used on session the ladders are removed and padlocked away. Also, elements required to pull participants back is removed.	

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 ensure play is safe. Gravel base suitable for activity. Solid and stable platform for accessing the swing bar.
Swinging on the bar or climbing access poles without being clipped into the bar or secured with belay	Instructors, staff and guest/participants	Unlikely	Fatal	Low	An Instructor is present during the session and is the only person to clip the participants into the bar and secures a secondary safety connection. The instructor checks the harness and helmet before participants are connected to the swing bar.  When not in use ladders and swing stored away by securing them to a fixed point.
Pulley/hoist system locking up/jamming	Instructors, staff and guest/participants	Very Unlikely	Major	Low	Daily visual inspection before use is done in detail to ensure smooth running of the pulley/hoisting system. Safe securing of the pulling rope enables access to unjam or unlock pulley system.
Finger caught in pulley	Instructors, staff and guest/participants	Unlikely	Major	Low	Staff are trained on safe practice and will make clear how to handle and use the rope pulley system and monitor and correct use of rope pulley system
Over raising swing which could lead incorrect use (damage elements, equipment that could lead to other	Instructors, staff and guest/participants	Likely	Major	Medium	Staff are trained on max height for raising participants. They will monitor the hoisting team and progress of the swing. If raised too high staff can very easily lower swing to the right height.

issues and  
compromise safety)

Equipment failure / malfunction	Instructors, staff and guest/participants	Unlikely	Major	Low	PPE and other equipment visually check before use and a further monthly check take place and is recorded to ensure equipment is in good working order. Any suspect equipment is immediately taken out of use and replace. Quarterly inspections of the structure and its elements are carried out and recorded and an annual independent inspection is carried out and issues raised followed up on as appropriate.
Physiological effects	Guest/participants	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 to participates reactions to the activity they are invited to participate in. Control on when release is made is with participants.
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.
Medical issues – pregnant, heart	Instructors, staff and guest/participants	Likely	Major	Low	Instructors brief participants making them aware that no one should be put

complaint, spinal injury or weak spine or medical conditions that could be exacerbated by s						on the swing if have any issues that could be exacerbated by sitting in a harness.
Long Hair/Loose Clothing caught in elements of the activity and causing harm	Instructors, staff and guest/participants	Likely	Major			Instructors to ensure participants tie their hair back and loose clothing removed or zipped up before participants start the activity.
Obstacle, including platform or other participants in path of swing area	Instructors, staff and guest/participants	Likely	Major	High		Instructors to brief on where to stand and highlight areas that they are not allowed to go. Area is clearly marked with the safely fence. Activity is stopped if public/guests or participants access activity over the fencing. Platform is moved out of the swing path prior to commencing the pulley system. Participants not allowed to touch or hold pulley system until instructor has safely clipped in participants moved platform.
Human error- in correct clipping of the harness to bar	Instructors, staff and guest/participants	Unlikely	Major	Low		Staff appropriately trained and monitored, and two points of connection are used to help ensure participants are clipped in before being hoisted up to height.
Weather hazards – including lightening, and strong winds	Participants	likely	Major	High		All participants are briefed on proper clothing for the current weather conditions. The swing will not be 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)

