

Scout Adventures - Great Tower

Off-ground Activity Risk Assessments (Generic and Element Specific)

This document contains the risk assessment and controls for each off ground activity base on the centre. It covers:

- Abseil & Climbing
- Crate Stacking
- Leap of Faith
- Jacobs Ladder & Gauntlet
- Tree Climb
- High All Aboard

To use this risk assessment:

- 1) Read the Generic off ground risk assessment, **THEN**
- 2) Read the Element specific risk assessment for the activity.

Severity Factor & Remaining Risk Assessment

The following descriptors are used in each risk assessment. Note that a **MEDIUM** residual risk is used to show that a hazard still requires dynamic risk assessment within the session by the instructor.

Level	Severity Description	Residual Risk Description
Low	Minor injury requiring no treatment, or simple first aid.	Control measures have reduced the severity and/or likelihood to minimal levels.
Medium	Injury would require the participant to stop doing the activity; medical treatment is beyond the skills of a basic first aider.	Control measures have reduced severity and/or likelihood to an adequate level but hazard still requires dynamic risk assessment and conscious consideration.
High	Injury would require expert medical attention and/or be fatal.	Control measures haven't reduced severity or likelihood to an acceptable level.

Generic Off ground Risk Assessment

Great Tower

- ! o This document should be used in conjunction with the Element Specific Risk Assessment for off ground activities.
- o A qualified rescuer must be on site and contactable during all high ropes activities.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury caused by fall from height.	Participant.	High.	<p>Instructors are trained and assessed by competent persons.</p> <p>Instructor safety system is in place to protect them from a fall.</p> <p>Approved safety systems and procedures are in place to protect participants and ensure they are always safeguarded from falling – including safe routes and PPE.</p> <p>On belay elements slippery hitch with tension taken out of the rope to be tied at in rope. Safety knot height is calculated as 10% of the total rope in the system.</p> <p>Participants are briefed and shown at the start of the session on the process of the activity.</p> <p>The safety briefing includes explaining a waiting area to the group.</p>	Low.
Injury caused by failure of equipment/ base/ surroundings, including object falling from height.	Anyone in Vicinity.	Medium.	<p>All participants and instructors will wear a helmet throughout the activity.</p> <p>Activity will be set up in line with activity procedure document including functional checks before use.</p> <p>Participants are told to remove all objects from their pockets at the start of the session.</p> <p>All safety equipment is inspected on a daily, quarterly, and annual basis with appropriate records kept.</p> <p>All structures, trees and anchor bolts are checked on an annual basis by a competent person.</p>	Low.

OFF GROUND RISK ASSESSMENT – GREAT TOWER

Document Managed by: Ben Savage, lead Instructor

Last Edited: 5 May 2022 Formal review date: January 2023

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Slips and trips caused by uneven surfaces.	Anyone in Vicinity.	Medium.	Careful consideration of route to and from activity, and make participants aware of any hazards within base area. All unused equipment and ropes are kept tidy, or away in the appropriate store. Participants are instructed to wear appropriate footwear with no open toed or slip on shoes.	Low.
Injury caused by entrapment including strangulation.	Participant.	High.	At the start of the session, participants are instructed to tie long hair back and remove any dangling jewellery from their ears or around their necks/ wrists. All loose items of clothing are removed. All harnesses are checked when they are put on and again before the participant completes the activity. Ropes are checked so as not to cause injury through strangulation.	Low.
Injury resulting from unsupervised use of equipment.	Anyone in vicinity.	High.	Where possible operational equipment is removed or made inaccessible when not supervised. Visual deterrents used where deemed to benefit – e.g. Signage, Fences.	Low.
Injury resulting from participation in the activity.	Participant.	Medium.	Participants are fully briefed in how to be safe during the activity and this will be monitored by the instructor throughout the activity. All staff are first aid trained. All activities have a first aid kit and a radio or mobile phone to contact help.	Low.
Injury resulting from environmental/weather conditions.	Entire Group.	Medium.	If thunder is heard or lightening seen then the activity should stop immediately. The activity may continue 30 minutes after the last thunder was heard. If high winds occur then the instructors ongoing risk assessment and judgement will decide whether to continue with the session or put a stop to the session. Staff and participants should have suitable clothing during the activity. Staff should be vigilant for signs of foreseeable conditions related to the weather conditions and take appropriate action. E.g. Hypothermia, Dehydration.	Low.
Injury caused by participant misbehaving.	Entire Group.	Low.	Instructor provides a comprehensive safety briefing to all members of the group including the basic rules and expectations of them during the activity.	Low.

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Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			The adult or leader with the group is responsible for the group's behaviour whilst they are on the session.	
Clients with additional abilities or needs	Entire Group	Medium	Prior to session, check Cinolla booking system or consult Lead Instructor for information. During activity, consult visiting Leader for advice and information.	Low

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Climb & Abseil – Juniper Crag & Secret Crag

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury from falling over the edge in climbing	Participants and instructors	High	Instructors to use tracers to put ropes up, no need to operate at the top. Participant briefed in the waiting area and to not walk to the top of the crag.	Medium
Injury from falling during abseil activity	Participants and instructors	High	Abseil session set up in line with SPA/RCI syllabus Abseil instructors to keep clear boundaries and appropriate safeties.	Medium
Injury caused by entrapment.	Participants.	Medium	Participants are briefed to keep their hands low on the abseil rope, keeping well clear of the figure of 8 abseil device.	Medium
Injury resulting from other crag users.	Anyone in vicinity.	Medium	Instructor to ensure effective communication with other users of the crag and ensure boundaries are defined.	Low
Falling branches or rock	Anyone in vicinity	Low	Instructors to check visually any branches that may look out of the ordinary and to report to DM if necessary, using daily check form. Visual check and brief regarding loose rock.	Medium
Damage to activity by Storm damage causing injuries	Anyone in vicinity	Medium	Instructors to check visually any branches that may look out of the ordinary and to report to DM if necessary, using daily check form. Visual check and brief regarding loose rock.	Medium

Leap of Faith

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Falling branches (potentially as a result of storm damage)	Anyone in the Vicinity	Low.	Instructors to check visually any branches that may look out of the ordinary and to report to DM if necessary, using daily check form	Low
Shoulder Injury.	Participant.	Medium.	Participants are instructed to grab the trapeze bar with both hands and release when instructed.	Low.
Frozen participant on platform	Participant	Low	Rescuer on site if needed. Briefing and challenge by choice encouraged.	Low

Crate Stack

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury caused by participant falling from crate when passing up to climber.	Crate Passers.	Low.	Crate passers only allowed to stand on one crate to extend their reach.	Low.
Injury caused by falling crates.	Anyone in vicinity.	Medium.	Crate passers only to pass crates or use the hook on the rope, not to throw them. Crate passers briefed where to stand if crates fall. Group warned of potential hazard, climbers encouraged to push crate stack away from the rest of the group.	Medium.
Injury caused by falling from height.	Participant.	Medium.	Instructor to build crate staircase for participants to get to safety knot height safely. Static rope used instead of dynamic to compensate for the movement in the wire top anchor, this makes low levels falls safer. Slippery hitch with tension taken out of the rope to be put in the rope when climber is 5 crates from the ground	Low.

ELEMENT SPECIFIC OFF GROUND RISK ASSESSMENT – GREAT TOWER

Document Managed by: Lead Instructor

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Gauntlet & Jacobs Ladder

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Unsupervised use of the activity.	Anyone in Vicinity.	High.	Lower beams of the element removed and padlocked to a ground anchor when not in use.	Low.
Injury from vertical metal wire	Participant	Medium	Brief at the start of the session, to not use vertical wires when doing the activity.	Low.
Entrapment.	Participant.	Medium.	Participants instructed to stay on their own side of the element to prevent knotting of the rope when climbing.	Low.

High All Aboard

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Falling on step poles	Participants	Medium	Instructor to keep ropes as tight as possible.	Low
Swinging into others	Participants	Medium	Only one participant to be active in each half of the pole at a time.	Low
Swinging into the platform	Participants	Medium	When participants are on the platform instructors must insure the ropes are tight, to prevent too much swing. Instructor to brief participants and make them aware that this might happen and to try fend themselves of the platform in the event of them coming off the platform.	Medium
Unsupervised use	Anyone in area.	High.	Climbing pegs on lower pole are removed when activity is not in use.	Low.

Tree Climb

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury from falling branches.	Anyone in Vicinity.	High.	Instructor to complete a visual inspection of the tree before commencing the activity to check for branches caught up in canopy.	Low.
Unsupervised use	Anyone in area.	High.	Climbing pegs on lower pole are removed when activity is not in use.	Low.

ELEMENT SPECIFIC OFF GROUND RISK ASSESSMENT – GREAT TOWER

Document Managed by: Lead Instructor

Last Edited: 26/05/2022 11:23, Formal review date: 01 May 2022

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Falling on step poles	Participants	Medium	Instructor to keep ropes as tight as possible.	Low

ELEMENT SPECIFIC OFF GROUND RISK ASSESSMENT – GREAT TOWER

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Last Edited: 26/05/2022 11:23, Formal review date: 01 May 2022

Scout Adventures – Great Tower

On-ground Activity Risk Assessments (Generic and Element Specific)

This document contains the risk assessment and controls for each off ground activity base on the centre. It covers:

- Archery
- Adventure Course & Low Ropes
- Backwoods Cooking -Working with food
- Bouldering
- Fire – BckWds cooking, Fire lighting and Campfire
- Hike
- Orienteering & Geocaching
- Pioneering & Bridge Build
- Pond Dipping & Minibeasts
- Rifle Shooting
- Rocket Launch
- Sensory Trail
- Shelter Building
- Site Work
- Team Building
- Tomahawk Throwing
- Wide Games

To use this risk assessment:

- 1) Read the Generic off ground risk assessment, **THEN**
- 2) Read the Element specific risk assessment for the activity.

Severity Factor & Remaining Risk Assessment

The following descriptors are used in each risk assessment. Note that a **MEDIUM** residual risk is used to show that a hazard still requires dynamic risk assessment within the session by the instructor.

Level	Severity Description	Residual Risk Description
Low	Minor injury requiring no treatment, or simple first aid.	Control measures have reduced the severity and/or likelihood to minimal levels.
Medium	Injury would require the participant to stop doing the activity; medical treatment is beyond the skills of a basic first aider.	Control measures have reduced severity and/or likelihood to an adequate level but hazard still requires dynamic risk assessment and conscious consideration.
High	Injury would require expert medical attention and/or be fatal.	Control measures haven't reduced severity or likelihood to an acceptable level.

Generic On ground Risk Assessment

Great Tower

! o This document should be used in conjunction with the Element Specific Risk Assessment for on ground activities.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Generic hazards associated with adventurous activities – including misbehaviour of group.	All.	Medium.	<p>A ratio of 1:12 for group members to instructors. Visiting staff must provide extra supervision of 1 adult.</p> <p>An activity safety briefing is delivered to help orientate guests and identify any particular hazards.</p> <p>Venue choice will be determined by guest wants, needs and ability and environmental conditions.</p> <p>Boundaries set at base and closely supervised.</p> <p>Venue checked as being clear of avoidable hazards.</p> <p>Clear responsibilities are outlined in the pre-course information for all groups.</p>	Low.
Falls, objects falling from above, trips and slips.	All.	Medium.	<p>Appropriate equipment used</p> <p>Proper briefing of guests, behaviour monitored and managed appropriately, vigilance by all staff during activity and especially if guests are blindfolded.</p> <p>Activities take place at low level – no activity above the reach of participants</p> <p>The activity area is clear of non-essential equipment and hazards.</p> <p>The building of any structures is closely monitored to prevent collapse.</p> <p>Guidance to suitable footwear given before session.</p> <p>Visual checks are carried out by staff on an ongoing basis.</p> <p>Lifting of heavy equipment is avoided or managed with clear briefings.</p> <p>All equipment is checked for fitness for purpose.</p>	Low.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Unauthorised use	Anyone in area.	Medium.	All equipment and venues will be left safe and secure when unattended, and unauthorised access prohibited. Signage indicates restrictions of use.	Low.
Exposure to Weather	All.	Low.	Pre-session briefing will include information about suitable clothing. Activity may be changed due to conditions.	Low.
Health issues including personal injury or illness	All.	Medium.	All groups are required to provide information about significant medical requirements and will ensure that any essential medication is accessible. An adequate warm up will be carried out and repeated if necessary. Activities will be varied to avoid excessive strain.	Low.
Falling from or collapse of activities involving structures or build elements.	All.	Medium.	All participants are shown how to use the equipment safely. Everybody is shown spotting technique. Everybody must wear PPE as directed by the activity APS or TSD. No one may be on the course unless accompanied by a suitable instructor. Suitable footwear must be worn at all times. Platforms are cleared of slippery items such as mud and leaves. Participants are made aware of hazards of walking on wires. Participants are told never to wrap ropes around arms or any other body parts.	Low.
Ticks (and associated Lyme Disease)	All	Medium	Avoid livestock and bracken where possible Recommend group wears trousers and long sleeve tops Recommend self-inspection on return and information given to leader about what to do if a tick is found or Lyme disease suspected	Low
Self-Led sessions – familiarity/experience of adult in charge.	All.	Medium.	Ensure teacher/leader has been given a safety briefing on the activity and is given an activity briefing card.	Low.
Clients with additional abilities or needs	Entire Group	Medium	Prior to session, check Cinolla booking system or consult Lead Instructor for information. During activity, consult visiting Leader for advice and information.	Low

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Cuts from tools	All	High	<p>Safety brief and demonstration to be given to all groups prior to use</p> <p>Only use tools under the supervision of the instructor or designated leader</p> <p>Only use axes in a designated area</p> <p>Ensure safe distance between user and others</p> <p>Ensure all wood to be cut is stable with no risk of slipping and no risk of blade slipping into people</p> <p>Always cut away from the body</p> <p>Ensure appropriate footwear and clothing is worn and hair tied back etc.</p> <p>Instructor to be first aid trained and have access to a first aid kit</p>	Low
Falling especially on rough terrain, whilst blindfolded or carrying people / equipment	Participants	Medium	<p>Instructor to brief as necessary</p> <p>Instructor to implement safety rules as necessary</p>	Low
Lifting and carrying (including equipment and people)	Participants	Medium	<p>Instructor to brief group on the appropriate way to lift and carry equipment; use legs to lift, head up, natural back position, walk, use lots of people for bigger structures.</p> <p>Brief people who are being carried, check they are OK with it, make sure they can hold themselves as necessary.</p>	Low

Element specific on ground Risk Assessment

Great Tower

! o This document should be used in conjunction with the Generic Risk Assessment for on ground activities.

Adventure Course & Low Ropes

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Falling Tree Branches.	All.	Medium.	Trees are inspected by a competent person annually to check that they are still structurally sound. Participants all wear helmets in case their heads connect with a tree branch. Safety fencing around the activity base.	Low.
Injury to group out of instructor's line of sight.	Participants.	Medium.	Instructor to ensure the position themselves to be able to adequately supervise the entire group.	Low.
Injury from falling off elements	Participants	Medium	Instructor to be trained in the hazardous areas of the course (Ropes with the bungees and the spiders web) and to manage these areas with themselves or the leaders Introduce spotting	Medium
Injury from entrapment of fingers	Participants	Medium	Instructors to include in their brief to not put fingers inside karabiners, rings or staples.	Medium

Archery

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Misuse of bows.	All.	High.	Instructors are adequately trained and hold their Archery GB Leader award or TSA Non Compound Bow Leadership Permit. Bows will be kept at the shooting line at all times. Participants are instructed that they can only use the bows whilst under supervision.	Low

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			Participants should not dry shoot (i.e. shoot without an arrow) the bows. Bows should be kept pointing down the range at all times and never towards a person or away from the range.	
Misuse of arrows	All	High	Arrows are counted at the start and end of the session to ensure all are accounted for. Participants are instructed to ensure that arrows are always pointing down the range or towards the ground at all times. Instructor demonstrates and talks through the correct way to load and shoot an arrow. All spare arrows are removed from the shooting line if the instructor leaves the shooting line to aid collection of arrows from the targets.	Low
String hitting the arm	Participant	Low	Participants are instructed in the correct shooting process including keeping the bow arm slightly bent to prevent over extension of the elbow. Participants are provided with an arm bracer for their bow arm and instructed as to how to use it correctly. Long sleeves to be worn.	Low
Arrows in target and on ground	Participant	High	Participants are instructed not to run on the range. Participants are instructed to approach the targets down the side of the targets (outside of the white posts) to ensure they do not walk into arrows which may not be visible sticking out of the target. Participants are shown how to correctly remove arrows from the targets, ensuring they stand to the side of the arrow and check there is no one behind them before pulling them out.	Low

Bouldering

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Head injury	All	High	Helmets must be worn by all participants and staff at all times	Low
Falling from height	All	High	Participants must keep their feet within the dark blue area of the wall at all times.	Low
Falling from the wall – ankle injury	Participants	Medium	In normal (traversing) operation all climbers will have a 'buddy' and supervisors will ensure correct spotting at all times.	Low

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			In games where participants do not have to move along the wall (are static) and the instructor is confident of participant's ability then the instructor may choose not to use spotters for the game. All self-instruct supervisors will have read and signed the Great Tower Standard Operating Procedure for Bouldering before starting the activity.	
Loose holds	All	Medium	Checked regularly and tightened whenever possible.	Low
Other Bield Users	All	Low	Other users must stay outside the activity area at all times.	Low

Backwoods Cooking (Working with Food)

Hazards	Who may be harmed?	Risk	Control Measures in Place	Remaining Risk
Burns from Hot Food or Fire	Participants	Medium	Participants reminded that food removed from a fire is still hot. Food removed from the fire using tongs Instructor to remove tin foil	Low
Food poisoning	Participants	Medium	All meat must be checked prior to consumption Participant to sanitise their hands before food preparation and then again before consuming food	Low
Allergic reactions	Participants	High	Instructors will be made aware of any special dietary requirements within the group First aider present at each session	Low
Injury from cooking utensils	Participants	Medium	Instructors to brief participants in the safe method of using utensils (knives etc). First aider present at each session.	Low
Injuries from foraging	Participants	Medium	Participants informed about what stings/what is sharp. Participants giving knowledge on techniques on how to pick berries/leaves	Low
Waterborne disease	Participants	Medium	Make sure the water comes to a rolling boil. Participants understand how filter systems work, and to never drink straight for a standing water source.	Low

Fire - Backwoods Cooking, Camp Fire & Fire lighting

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Burns.	Participants.	Medium.	Clear rules about behaviour close to fire and not reaching into fire. Use long sticks to cook with. Keep participants to a minimum around fire. A bucket of water to be present at the campfire circle	Low.
Smoke inhalation and respiratory problems	Participants	Medium	Participants to be up wind from fire as much as possible 2m gap between participants and campfire	High

Hike

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Vehicle accident during travel to and from venue in Association vehicles	All	High	All vehicles to be regularly checked and maintained in accordance with centre policy All passengers should wear seatbelts Drivers should be appropriately qualified Drivers should not take excessive risks – e.g. Flood water, off road driving, excessive speed or overtaking Appropriate safe parking areas should be used and the group controlled on exit and entry to the vehicle	Medium
Supervision of group and group behaviour	All	High	A ratio of 1:12 is set. One visiting staff member may be added to these ratios. Staff will be familiar with the route. Clear responsibilities are outlined in the pre-course information sent out to all groups. Specific meeting points are set if appropriate. Guests work together in groups. Staff to supervise the progress of the group and adjust pace to keep group together.	Low
Falls, objects falling from	All	High	Appropriate routes will be selected.	Medium

ON GROUND RISK ASSESSMENT – Great Tower

Document Managed by: Lead Instructor

Last Edited: 20 May 2022 Formal review date: January 2023

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
above, trips and slips.			Proper briefing of guests, behaviour monitored and managed appropriately, vigilance by all staff during activity. Participants work together in groups rather than individually. Guidance to suitable footwear given before session.	
Injury/illness	All	Medium	All groups are required to provide information about significant medical requirements and will ensure that any essential medication is accessible. The Instructor will continuously monitor the welfare of the group. The Instructor will use this to set an appropriate pace. The Instructor will change the route if appropriate. Suitable breaks will be built into the route to prevent over exertion The instructor will ensure access to a first aid kit. Guests clothing and equipment will be checked before the activity.	Low
Effect of weather	All	Medium	Pre-session briefing will include information about suitable and spare clothing. Activity may be changed due to conditions. The Instructor will supervise the group and ensure correct clothing is worn throughout the journey.	Medium
Hypothermia	All	Medium	Appropriate clothing and equipment carried, worn and checked. Take all necessary actions to avoid cold water immersion especially when cold temperatures prevail.	Medium
Route specific hazards	All	High	Route choice will be determined by guest wants, needs and ability and environmental conditions Local fell walk led by in house trained staff and should follow predefined routes only Hill Walking routes may vary and should be planned and led by a Mountain Leader. An activity safety briefing is delivered to help orientate guests and identify any particular hazards Keep to the tracks Keep groups together	Medium

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			<p>If unsure or needing help to talk to the instructor</p> <p>Follow the Country Code</p> <p>This briefing will be continued throughout the hike as appropriate</p> <p>Venue choice will be determined by guest wants, needs and ability and environmental conditions</p> <p>Boundaries set at base</p> <p>Venue selected close with appropriate 'escape routes'</p> <p>Venue checked as being clear of avoidable hazards</p>	
General areas hazards - Traffic on roads, logging lorries and bikes on forest tracks.	All	High	<p>Guests will be briefed to walk single file with leaders spread appropriately throughout the group.</p> <p>Guests will be briefed on how to communicate approaching traffic to other group members.</p> <p>Guests will be briefed on action to take (everyone stepping to the same side of path) if traffic approaches.</p> <p>Guests to be briefed that cycle traffic can approach quickly and silently.</p> <p>Routes will be away from main and forestry roads where possible to avoid motor traffic.</p>	Medium
Unprepared for conditions.	All	Medium	<p>Guests will be advised of the need for-</p> <p>Suitable footwear, Waterproofs, Spare warm clothing, Food/drink</p> <p>Staff will carry: Group shelter, Group First Aid kit, Radio, Map/compass</p> <p>In addition for mountainous routes (not local fell walk) the instructor will carry: Emergency food and drink for the group; and Spare emergency clothing for the group.</p>	Low

Orienteering and Geocaching

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Exposure (including resulting from getting lost)	All	Medium	Instructor and leaders to ensure all group have adequate kit including as appropriate sun cream, hats, warm clothes, waterproofs Instructor to give training in navigation or GPS as appropriate before the group leaves and select an appropriate difficulty level. Consider a star course first off. Instructor to brief group about what to do if the group is lost; when and where to meet and strategy for finding their way back	Low
Road hazards	Participants	High	Instructor to brief group not to go outside the grounds and not to go on the road	Low
Falling from crags	Participants	High	Instructor to brief group not to climb on crags and take it steady on rough terrain, stick to the paths as much as possible	Low
Participants becoming lost and separated	Participants	Medium	Participants are taught what to do if this happens and the instructor monitors where the group have been sent, and patrol the courses helping out.	Low

Pioneering / Bridge Building

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury from impact with pioneering equipment – poles.	Participants.	Medium.	Safety briefing highlights the hazard and ensures people are aware of other around them. Ensure poles are being carried by two people at all times Judgement made by instructor whether helmets are necessary for the type of group.	Low.
Cold water shock and Drowning	All	High	Group briefed not to go in the water Instructor to make group aware of hazard. Life ring attached to pole on platform Instructor are trained with water emersion, e.g. Hypothermia and reach rescues.	Low

Pond Dipping and Minibeasts

Hazard	Who may be harmed?	Risk	Control Measures in Place	Remaining Risk
Cold water shock and Drowning	All	High	Group briefed not to go in the water Group briefed to dip from designated areas only; younger groups to remain on the dipping platform with handrail	Low
Equipment misuse	All	Medium	Group briefed as appropriate on use of equipment	Low
Individual health	Individuals	High	Group briefed to wash hands after activity Instructor and leaders to ensure participants have appropriate medication with them at all times for example asthma inhaler, epipen.	Low

Rifle Shooting

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Impact from pellet.	All.	High.	The instructor gives clear and simple instructions on the rules of the range. At all time's participants are supervised by a qualified instructor. Instructor checks that everyone has understood the rules before continuing. Access to the range is controlled. There is a solid barrier between the firing stations and access to the range. Access to pellets is controlled by the instructor. Signs warning people of the danger if they enter the area. Physical barriers to prevent people walking in to the danger area.	Low.
Rifle being stored loaded.	All.	Low.	The instructor checks at the end of the sessions that the rifle barrel is clear. All rifles are stored in the broken position.	Low.
Loading the Rifle (Danger of loading whilst pointing at another person).	All.	High.	Instructor to give clear demonstration and instructions on the safe way in which to load the rifle. Instructor to supervise whilst participant are loading their rifles. Participants told not to put their finger near the trigger when loading the rifle. Number of people at the firing points controlled by the instructor.	Low.
Crushed fingers.	Participants.	Medium.	Instructor demonstrates where participants are to put their hands when they are loading the rifle. Instructor to supervise to make sure they are following the instructions.	Medium.
Over shoots and side shoots	All.	High.	Participants given clear instruction on the direction of shooting. Range perimeter in sound condition.	Low.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			Physical Stop behind targets to stop stray pellets.	
Unauthorised use.	All.	High.	All rifles and pellets removed from the range after use.	Low.

Rocket Launch

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Rocket launch	All	Medium	<p>Launch site and rocket orientation to take account of wind speed direction</p> <p>Only rocket launcher may be near rocket, rest of the group to wait behind the rocket in safety zone</p> <p>Rocket to be constructed of soft material (paper, bubble wrap, tissue etc.) and no sharp objects to reduce impact from collision</p> <p>Launch zone to be laid out in unused area with clear overshoot zone clear</p> <p>Ensure no access can be had into range zone when firing, visual observation necessary</p>	Low

Shelter Building

Hazard	Who may be harmed?	Risk	Control Measures in Place	Remaining Risk
Moving construction material	All	Medium	<p>Brief to include staying within a designated area, not running, not moving object which are too big and heavy, (consider using a benchmark such as no thicker than your arm) getting help with large and long objects, awareness of others and not carrying too much at one time.</p> <p>No throwing of objects</p>	Low
Shelter collapse	All	Medium	<p>Instructor to visually and if necessary physically check structures for stability before structure is used</p> <p>Instructor to ensure supervision of the area and construction</p>	Low
Falling objects	All	High	Instructor to check for potential deadfall in the area	Low
Scratches and splinters	All	Low	Instructor to warn group about the possibility of splinters and avoid any wood which looks like a hazard	Low
Rope burn	All	Medium	If using rope or string instructor to ensure it is being used appropriately	Low

Site Work

Hazard	Who may be harmed?	Risk	Control Measures in Place	Remaining Risk
Injuries from building materials	All	High	All materials to be stored neatly inside a build area as not to create a trip hazard. Instructors should supervise use of paints in line with manufactures guidelines on the tin. Gloves to be issues to participants when moving or collecting materials. All relevant PPE must be issued	Low
Infection	All	High	Participants to wear gloves when litter picking. Any cuts should be appropriately cleaned and dressed by a first aider. Participants are reminded to wash their hands after the activity.	Low
Injury from incorrect use of tools	All	High	Instructors must undergo training on how to use any tools that will be used. Correct PPE to be worn High level of supervision when using tools	

Sensory Trail (Night Line)

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Bangs and Knocks.	Participants.	Low.	Participants are to be prompted to use their touch sense more when approaching elements to ensure they find the correct route.	Low.
Entrapment.	Participants.	Medium.	Participants are told never to wrap ropes around their arms or any other body parts. Participants are told to always use the palm of their hand to feel for rope when at obstacles.	Low.

Tomahawk Throwing

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Misuse of tomahawks.	All.	High.	Instructors are adequately trained Tomahawks will be kept in the box when not in use. Participants are instructed that they can only use the tomahawks whilst under supervision.	Low
Tomahawks in target/ground	Participant	High	Participants are instructed not to run on the range.	Low

ON GROUND RISK ASSESSMENT – Great Tower

Document Managed by: Lead Instructor

Last Edited: 20 May 2022 Formal review date: January 2023

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			Participants are shown how to correctly remove tomahawks from the targets, ensuring they take the hawks out of the target before picking the ones up off the floor	

Wide Games

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
All foreseeable hazards covered by generic risk assessment. Ongoing dynamic risk assessment by instructor to be used relevant to each task being completed.				

Scout Adventures - Great Tower

Water Activity Risk Assessments (Generic and Element Specific)

This document contains the risk assessment and controls for each off ground activity base on the centre. It covers:

- Raft Building
- Coracles

To use this risk assessment:

- 1) Read the Generic off ground risk assessment, **THEN**
- 2) Read the Element specific risk assessment for the activity.

Severity Factor & Remaining Risk Assessment

The following descriptors are used in each risk assessment. Note that a **MEDIUM** residual risk is used to show that a hazard still requires dynamic risk assessment within the session by the instructor.

Level	Severity Description	Residual Risk Description
Low	Minor injury requiring no treatment, or simple first aid.	Control measures have reduced the severity and/or likelihood to minimal levels.
Medium	Injury would require the participant to stop doing the activity; medical treatment is beyond the skills of a basic first aider.	Control measures have reduced severity and/or likelihood to an adequate level but hazard still requires dynamic risk assessment and conscious consideration.
High	Injury would require expert medical attention and/or be fatal.	Control measures haven't reduced severity or likelihood to an acceptable level.

Generic Water Risk Assessment

Great Tower

! o This document should be used in conjunction with the Element Specific Risk Assessment for water activities.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Cold Water Immersion (As defined at the end of the document)	Participants	Medium	It is recognised that immersion may occur during some activities. Activities will be managed to prevent immersion in water <15°C. Effective briefing and control to prevent cold water immersion. Clear information given prior to session about clothing requirements Ensure everyone dresses for the weather conditions. Correctly fitting buoyancy aids are to be worn by all participants. Visually check each participant is kitted out properly. Visually check all equipment prior to use. Activity Instructors will carry a knife, towing system. Equipment inspections are carried out for boats, buoyancy aids and helmets before each use Quarterly boat and buoyancy aid inspections are completed. Brief to include what the group needs to do in case of immersion – lie back, float, control breathing	Low
Group Supervision	Participants	Medium	In house training plus afloat session to operate at on site pond. The session will be broken down and supervised as four phases- 1 Planning, 2 Building ,3 Paddling the craft on the water, 4 Dismantling Phases 1, 2 and 4 may be assisted/supervised by the groups own staff When on the water there must always be a safety measure, a throw line or rescue pole. Instructor to walk alongside the raft so they are nearby should anyone fall in.	Low

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Poor instruction, supervision or knowledge from staff.	All	Medium	Staff will receive site specific training for the environment within which they operate and hold the necessary external qualifications. The safety and quality of these activities are validated externally by AALA, RYA and or BC where necessary	Low
Inexperience of group and or group behaviour	Participants	Medium	An activity safety briefing is delivered to help orientate guests and identify any particular hazards. Behaviour monitored and managed appropriately, vigilance of all staff from start to end of session. Constant line of sight will be kept when on the water. Clear responsibilities are outlined to all groups. The instructor and group leader will communicate to understand who is responsible for the group at all times.	Low
Collision with paddles and craft	Participants	Medium	Participants instructed in correct paddling technique. All participants to wear a helmet. Instructors monitor group behaviour while on session.	Low
Entrapment	Participants	High	Staff trained in the event of entrapment. Knife kept with instructor in case of entrapment.	Medium
Strains, sprains and soft tissue injury	Participants	Medium	Instruction in safe manual handling will be given Helmets when used worn for whole session. An appropriate warm up will be undertaken. Activities will be varied to avoid excessive strain Paddles with damaged blades or shafts not to be used. Boats with protruding screw head/bolts should not be used.	Low
Effects of the weather	All	Medium	Obtain a weather forecast. The weather and water conditions are constantly monitored. Assess whether group will be able to cope with any wind. Be aware of the effect of an offshore wind. Be aware of the effect of wind chill. Adapt the activity accordingly or run an alternative if necessary. Groups will be advised on appropriate clothing.	Low
Illness	All	Medium	Check cuts etc. are covered with water proof plasters.	Low

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			Check medical requirements and essential medication is accessible. Ensure protection from the weather (heat and cold).	
Unauthorised use	Participants	Medium	The instructor will ensure all equipment is returned to the correct storage area All equipment secured when not in use. Equipment will not be left unattended by the instructor or responsible adult unless safely/securely stored.	Low
Health issues	Participants	Medium	All groups are required to provide information about significant medical requirements and will ensure that any essential medication is accessible.	Low
Participants with additional needs	Entire Group	Medium	Prior to session, check Cinolla booking system or consult Lead Instructor for information. During activity, consult visiting Leader for advice and information.	Low
Slips and trips	All	Medium	Brief participants on no running areas Participants briefed of slip hazard when wet and to take care.	Medium

Cold water immersion definition

The immediate effects of sudden immersion in cold water (<15°C, 59°F) can be a debilitating short duration (approximately 2 – 3 min) reflex response called *cold shock*. In some individuals this response may include life-threatening respiratory and cardiovascular effects.

The respiratory effect involves quick onset (<30 seconds) uncontrollable rapid breathing, which impairs breath holding and facilitates aspiration of water (which can lead to drowning). The cardiovascular response involves an immediate constriction (closure) of the blood vessels near the surface of the body, an increase in heart rate, and a surge in blood pressure. These factors may lead to incapacitation from a cardiovascular accident, such as heart attack or stroke, and/or death from drowning following aspiration (Golden & Tipton 2002).

Element specific Water Risk Assessment

Great Tower

! o This document should be used in conjunction with the Generic Risk Assessment for water activities.

Coracles

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Moving, lifting and putting water craft on to water.	All	Medium	Safety briefing will include manual handling training. This briefing will specifically include to be aware of other people when moving poles. Participants work in groups of 4 when moving coracles. Coracles launched at different times to ensure full supervision by instructors.	Low
Entrapment	Participants	High	Coracles are not put onto the water until instructors have checked that they are structurally sound.	Low

Raft Build

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Moving, lifting and putting water craft on to water.	All	Medium	Safety briefing will include manual handling training. This briefing will specifically include to be aware of other people when moving poles. Two people per pole/barrel if children. To work in groups of at least 6 when moving rafts. Rafts launched at different times to ensure full supervision by instructors	Low
Entanglement	Participants	Medium	Rafts are not put onto the water until instructors have checked that they are structurally sound. All loose ropes tied up. Staff will carry a knife and be alert for entanglement if rafts break apart. Brief on not to tie themselves onto the raft	Low