

# Scout Adventures

## Great Tower – Combined Risk Assessments 2021

This document contains the risk assessments for instructed activities at Youlbury. It is structured as:

<b>Generic Off ground</b>	All hazards common to activities where participants leave the floor as part of a high ropes or climbing type experience.
<b>Activity Specific Off Ground</b>	Additional specific hazards for each activity.
<b>Generic On ground</b>	All hazards common to activities where participants are at ground level including team building type activities, bushcraft, and target sports.
<b>Activity Specific On Ground</b>	Additional specific hazards for each activity.
<b>Generic Water</b>	All hazards which are common to water activities e.g. Sailing, Canoeing.
<b>Activity Specific Water</b>	Additional specific hazards for each activity.
<b>Generic Off Site</b>	All hazards which are common to activities where participants are remote from the centre, e.g. Caving, Mountain Day
<b>Activity Specific Off site</b>	Additional specific hazards for each activity.

### Severity Factor & Remaining Risk Assessment

Each risk assessment uses a standard way of interpreting the potential risk, and residual risk after relevant controls have been applied – these are detailed below.

### Severity Factor & Remaining Risk Assessment

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 of occurrence to minimal levels.
Medium.	Injury would require the participant to stop continuing 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 & conscious consideration.
High.	Injury would require expert medical attention and/or result in fatality.	Control measures are not sufficient to reduce the severity or likelihood to an acceptable level.

### GREAT TOWER COMBINED ACTIVITY RISK ASSESSMENTS 2021

Document Managed by: Lead Instructor

Last Edited: 17/09/2021 11:40, Formal review date: 01 May 2022

# Generic Off ground Risk Assessment

## Great Tower



- This document should be used in conjunction with the site specific risk assessments for individual off ground activities.
- An ERCA qualified rescuer or SPA/RCI holder 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.
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.	Low.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			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.	
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. The adult or leader with the group is responsible for the group's behaviour whilst they are on the session.	Low.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
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

# Element Specific Off ground Risk Assessment

## Great Tower

- ! This document should be used in conjunction with the Generic Risk Assessment for off ground activities.
- ! An ERCA qualified rescuer or SPA/RCI holder must be on site and contactable during all high ropes activities.

### 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. 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.	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.	High
Shoulder Injury.	Participant.	Medium.	Participants are instructed to grab the trapeze bar with both hands and release when instructed.	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.

### 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.

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

### Lead Climbing

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury from leader taking a large fall	Anyone in Vicinity.	High.	Leader and belayer to be given step by step and controlled training in the fundamental aspects of lead belaying and lead climbing. Instructor will always manage the group's safety and must step in when necessary.	Medium
Incorrect use of equipment	Anyone in Vicinity.	High.	Relevant and accurate training to be given before any real scenarios of lead climbing take place.	Low.
Falling from height	Anyone in Vicinity.	High	Climber to ensure rope is clipped into quick draws correctly and all equipment to be check by instructor before climber leaves the ground	Low



# Generic On ground Risk Assessment

## Great Tower

**!** This document should be used in conjunction with the site specific risk assessments for individual 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.	<ul style="list-style-type: none"> <li>• A ratio of 1:12 for group members to instructors. Visiting staff must provide extra supervision of 1 adult.</li> <li>• An activity safety briefing is delivered to help orientate guests and identify any particular hazards.</li> <li>• Venue choice will be determined by guest wants, needs and ability and environmental conditions.</li> <li>• Boundaries set at base and closely supervised.</li> <li>• Venue checked as being clear of avoidable hazards.</li> <li>• Clear responsibilities are outlined in the pre-course information for all groups.</li> </ul>	Low.
Falls, objects falling from above, trips and slips.	All.	Medium.	<ul style="list-style-type: none"> <li>• Appropriate equipment used</li> <li>• Proper briefing of guests, behaviour monitored and managed appropriately, vigilance by all staff during activity and especially if guests are blindfolded.</li> <li>• Activities take place at low level – no activity above the reach of participants</li> <li>• The activity area is clear of non-essential equipment and hazards.</li> <li>• The building of any structures is closely monitored to prevent collapse.</li> <li>• Guidance to suitable footwear given before session.</li> <li>• Visual checks are carried out by staff on an ongoing basis.</li> <li>• Lifting of heavy equipment is avoided or managed with clear briefings.</li> </ul>	Low.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			<ul style="list-style-type: none"> <li>All equipment is checked for fitness for purpose.</li> </ul>	
Unauthorised use	Anyone in area.	Medium.	<ul style="list-style-type: none"> <li>All equipment and venues will be left safe and secure when unattended, and unauthorised access prohibited. Signage indicates restrictions of use.</li> </ul>	Low.
Exposure to Weather	All.	Low.	<ul style="list-style-type: none"> <li>Pre-session briefing will include information about suitable clothing.</li> <li>Activity may be changed due to conditions.</li> </ul>	Low.
Health issues including personal injury or illness	All.	Medium.	<ul style="list-style-type: none"> <li>All groups are required to provide information about significant medical requirements and will ensure that any essential medication is accessible.</li> <li>An adequate warm up will be carried out and repeated if necessary. Activities will be varied to avoid excessive strain.</li> </ul>	Low.
Falling from or collapse of activities involving structures or build elements.	All.	Medium.	<ul style="list-style-type: none"> <li>All participants are shown how to use the equipment safely.</li> <li>Everybody is shown spotting technique.</li> <li>Everybody must wear PPE as directed by the activity APS or TSD.</li> <li>No one may be on the course unless accompanied by a suitable instructor.</li> <li>Suitable footwear must be worn at all times.</li> <li>Platforms are cleared of slippery items such as mud and leaves.</li> <li>Participants are made aware of hazards of walking on wires.</li> <li>Participants are told never to wrap ropes around arms or any other body parts.</li> </ul>	Low.
Ticks (and associated Lyme Disease)	All	Medium	<ul style="list-style-type: none"> <li>Avoid livestock and bracken where possible</li> <li>Recommend group wears trousers and long sleeve tops</li> <li>Recommend self-inspection on return and information given to leader about what to do if a tick is found or Lyme disease suspected</li> </ul>	Low
Self-Led sessions – familiarity/experience of adult in charge.	All.	Medium.	<ul style="list-style-type: none"> <li>Ensure teacher/leader has been given a safety briefing on the activity and is given an activity briefing card.</li> </ul>	Low.
Clients with additional abilities or needs	Entire Group	Medium	<ul style="list-style-type: none"> <li>Prior to session, check Cinolla booking system or consult Lead Instructor for information. During activity, consult visiting Leader for advice and information.</li> </ul>	Low

## GENERIC ON GROUND RISK ASSESSMENT – GREAT TOWERGT - COMBINED RISK ASSESSMENTS 2021

Document Managed by: Lead Instructor

Last Edited: 17/09/2021 11:40, Formal review date: 01 May 2022

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Cuts from tools	All	High	<ul style="list-style-type: none"> <li>• Safety brief and demonstration to be given to all groups prior to use</li> <li>• Only use tools under the supervision of the instructor or designated leader</li> <li>• Only use axes in a designated area</li> <li>• Ensure safe distance between user and others</li> <li>• Ensure all wood to be cut is stable with no risk of slipping and no risk of blade slipping into people</li> <li>• Always cut away from the body</li> <li>• Ensure appropriate footwear and clothing is worn and hair tied back etc.</li> <li>• Instructor to be first aid trained and have access to a first aid kit</li> </ul>	Low
Falling especially on rough terrain, whilst blindfolded or carrying people / equipment	Participants	Medium	<ul style="list-style-type: none"> <li>• Instructor to brief as necessary</li> <li>• Instructor to implement safety rules as necessary</li> </ul>	Low
Lifting and carrying (including equipment and people)	Participants	Medium	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Brief people who are being carried, check they are OK with it, make sure they can hold themselves as necessary.</li> </ul>	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

### Pioneering / Bridge Building

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury from impact with pioneering	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	Low.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
equipment – poles.			Judgement made by instructor whether helmets are necessary for the type of group.	
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

### 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.

### 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.

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

## 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. 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.	Low
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

## Indoor 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. 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.	Low
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

## 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. 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	Low

## 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

### Working with Food (Backwoods Cooking, Foraging and Water Purification)

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

### Tool use (axes, knives and saws) – Including for Wild Food Preparation

Hazard	Who may be harmed?	Risk	Control Measures in Place	Remaining Risk
Cuts	All	High	Safety brief and demonstration to be given to all groups prior to use Only use tools under the supervision of the instructor or designated leader Only use axes in a designated area Ensure safe distance between user and others Ensure all wood to be cut is stable with no risk of slipping and no risk of blade slipping into people Always cut away from the body Ensure appropriate footwear and clothing is worn and hair tied back etc. Instructor to be first aid trained and have access to a first aid kit	Low
Misuse	All	High	Only use under the supervision of an instructor or designated leader Tools only used for appropriate activity Consider excluding those who endanger themselves or others	Low
Faulty equipment	All	High	Equipment to be checked for faults before each session All equipment to be stored appropriately with sheathes where necessary	Low

### Shelter Building

Hazard	Who may be harmed?	Risk	Control Measures in Place	Remaining Risk
Moving construction material	All	Medium	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. No throwing of objects	Low
Shelter collapse	All	Medium	Instructor to visually and if necessary physically check structures for stability before structure is used Instructor to ensure supervision of the area and construction	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

### Environmental (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

### 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	

# Generic Water Risk Assessment

## Great Tower

**!** This document should be used in conjunction with the site specific risk assessments for individual water activities.

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
<p>Cold Water Immersion</p> <p>(As defined at the end of the document)</p>	Participants	Medium	<p>It is recognised that immersion may occur during some activities.</p> <p>Activities will be managed to prevent immersion in water</p> <p>Effective briefing and control to prevent cold water immersion.</p> <p>Clear information given prior to session about clothing requirements</p> <p>Ensure everyone dresses for the weather conditions.</p> <p>Use of appropriate craft</p> <p>No bare feet</p> <p>Correctly fitting buoyancy aids are to be worn by all participants.</p> <p>Visually check each participant is kitted out properly.</p> <p>Visually check all equipment prior to use.</p> <p>Activity Instructors will carry a knife, towing system. Carry a bailer when using canoes and Bell Boats.</p> <p>Equipment inspections are carried out for boats, buoyancy aids and helmets before each use</p> <p>Quarterly boat and buoyancy aid inspections are completed.</p> <p>Brief to include what the group needs to do in case of immersion – lie back, float, control breathing</p>	Low
Drowning	All	High	All participants including instructors to wear Buoyancy aids that are fit for use and checked on a three week basis	High

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			Instructors to have the correct training and qualifications to make the correct decisions and to be able to rescue participants in a variety of different situations Instructors to only operate in the zones that their qualification allows Specialist training to be carried out regarding known hazards. i.e. Capsize/ entrapment/ cold water immersion	
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
Venue specific hazards	Participants	Medium	Venue choice will be determined by guest wants, needs and ability and environmental conditions within the remit of the instructor Alternative venues will be considered if appropriate. The instructor will inspect the area for any hazards and conduct ongoing dynamic risk assessments	Low
Strains, sprains and soft tissue injury	Participants	Medium	Instruction in safe manual handling will be given Helmets when used worn for whole session.	Low

GENERIC WATER RISK ASSESSMENT – GREAT TOWERGT - COMBINED RISK ASSESSMENTS 2021

Document Managed by: Lead Instructor

Last Edited: 17/09/2021 11:40, Formal review date: 01 May 2022

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			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.	
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
Collision with other water users.	All	High	Staff will keep inside operational areas at all times, unless specified by the LI or CM. Staff are briefed on dangers of collision during site specific training.	Medium
Illness	All	Medium	Check cuts etc. are covered with water proof plasters. Check medical requirements and essential medication is accessible. Ensure protection from the weather (heat and cold).	Low
Unauthorised use	Participants	Medium	The instructor will ensure all equipment is returned to the correct storage area and secured 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

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Participants 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
Slips, trips and falls	All	Medium	Brief participants of no running areas	

### 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

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

### Canoe & Kayaks

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Supervision of the group	Participants	Medium	1:12 for canoes and 1:8 for kayaks Lead Instructor UKCC level 1 Coach or higher and 1st aid qualification. Assistant paddle coach must be 2* and FSRT trained	Low
Injury from paddles	Participants	Medium	Participants to wear helmets Brief to include – Being aware of what they are doing with their paddle.	Medium
Entrapment in Canoe/ kayak	All	High	Brief must include: Do not tie yourself to anything Notify instructor immediately in case of a capsize. Brief on shore what to do in the event of a capsize Instructors to be competent and trained in how to rescue from a canoe If spray decks are used by instructors to ensure the correct training has been covered for the safe use of spray decks	Low

### Bell Boats

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Supervision of the group	Participants	Medium	Activity takes place within the described area (see Generic Water OPs) Instructor should hold a Bell Boat Permit (in house training) Powerboat must be in attendance.	Low
Injury from paddles	Participants	Medium	Participants to wear helmets Brief to include – Being aware of what they are doing with their paddle.	Low



Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Swamping when operating on moderate water	Participants	High	Instructors to think about trim when wind and waves could be a factor Instructors to ensure the ratios are being adhered to during all times to prevent over loading the bell boat Communication between instructor and duty manager to decide weather conditions If wind strength is a above 24 mph (Force 5) and it is an off shore or cross shore wind then other alternatives must be considered for the session Safety boat always on standby with operator throughout the session	Low

### Raft Build

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Supervision of the group	Participants	Medium	In house training plus afloat session to operate at on site pond, to operate on Windermere should hold a Raft Building Permit Level 2 Power Boat if lone session on Windermere. The session will be broken down and supervised as four phases- 1 Planning, 2 Raft building ,3 Paddling the rafts 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 vessel (canoe or powerboat)	Low
Entrapment	Participants	High	Staff will carry a knife and be alert for entanglement if rafts break apart. Brief on not to tie themselves onto the raft	Low
Use of the power boat (If operating on Windermere)	Participants	Medium	Staff will be aware of the hazard presented to people in the water by the powerboat and drive accordingly, paying constant attention to the proximity of the prop to any participants	Low
Incorrect lifting or mishandling of raft build equipment	Participants	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.	Medium

## Sailing

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Supervision/Instruction of participants.	Participants	Medium	Staff qualifications, safety boat requirements and ratios are as set by RYA in the 'Guidance Notes for the inspecting of RYA Training Centre in the UK'. These activities are validated externally by AALA and the RYA Operations will be within RYA remit and terms of reference. Appropriate staff ratios as laid out in APS.	Low
Venue conditions	Participants	Medium	Alternative venues will be considered if appropriate. Sailing tasters and introductory courses will be run from the waterfront within the operating area. Day sailing to other areas will be authorised by the SI and Principle. Day sailors will be given a map showing out of bounds areas and escape routes. Detailed route plan will be logged and followed.	Low
Slips trips and falls, including impact with equipment	Participants	Medium	The risk of impact by the boom is to be highlighted to everyone. Helmets to be worn if wind speed exceeds Force 2 or if the RYA Senior Instructor deems it appropriate to do so. No bare feet – suitable footwear must be worn.	Medium
Sailor getting into trouble in open water	Participants	Medium	Safety boats will be equipped with paddles or oars, bailer, bridle, towline, 1st Aid kit, throwline, tool kit, anchor, radio, kill cord and knife.	Low
Entrapment	Participants	High	Be aware of the risk of entrapment. Within the briefing highlight the risk of entanglement in any rigging. Be aware of position of participants when capsizes occurs. Monitor scene of any capsizes immediately and take any necessary action.	Medium
Inversion	Participants	Medium	Within the briefing instruction should be given to go straight to the centre or dagger board to prevent inversion and this will be highlighted as a priority. Mast floats to be fitted to Pico's	Low

## Stand Up Paddle Boarding

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury from paddles	Participants	Medium	Participants to wear helmets Brief to include – Being aware of what they are doing with their paddle.	Medium
Injury from fin/ board	Participants	Medium	Instructor to manage participants jumping off and space participants out safely.	Low
Stuck underneath boards	Participants	High	Instructors to space participants out. Instructor must be aware at all times of the whereabouts of the participants.	Low
Impact with other water users	Participants	High	Instructors to be aware of other water users around them. Communication should be maintained throughout with all the instructors who are operating on the water.	Medium

### Powerboat use

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Slips, trip and falls	All	Medium	Make sure all equipment is stowed away in its place. Surface in boat should have non-slip surface on flooring.	Medium
Inexperienced staff operating vessels	All	High	All powerboat operators will have undergone a minimum of the RYA powerboat level 2 to drive any powerboat vessel. Instructors will be observed periodically to ensure safe powerboat use is always in operation.	Low
Injury from propeller	All	High	Kill cord must always be worn when powerboat is in use. Driver or crew should be seated in a secure location Driver to be aware of any participants in the water at all times. Participants in boats to be seated as far forwards as possible for the driver to see.	Medium
Impact with other water users	All	High	Instructors to be aware of other water users around them. Communication should be maintained throughout with all the instructors who are operating on the water.	Low

### Jetty Jumping

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Slips, trip and falls	All	Medium	Make sure instructor briefs participants, no running and jumping is allowed.	Medium
Injury from hitting jetty	All	High	Participants to only jump feet first – no somersaults Participants to wear helmets during activity Participants to jump from a standing position, no running and jumping	Low
Jumping onto participants	All	Medium	Instructor to manage when participants jump – one at a time. Only jump once participants have swam out the way	Medium
Other users of jetty	All	Medium	Jetty jumping to only be allowed if the jetty is not busy	Low
Cold water shock and drowning	All	High	Instructor to be trained in cold water shock Instructor to brief participants and manage participants expectations Instructor to be on standby to intervene if necessary Buoyancy aids to be worn during activity	Medium
Entrapment from ladder	All	Medium	Instructor to observe participants climbing up ladder Instructor to carry and have ready a knife	Low
Other crafts coming alongside the jetty	All	High	Instructor to manage participants in the water and participants who are jumping Activity not be run if jetty is busy and crafts coming in and out of jetty	Low

# Generic Off-site Risk Assessment

## Great Tower



o This document should be used in conjunction with the site specific risk assessments for individual off site activities.

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	<ul style="list-style-type: none"> <li>All vehicles to be regularly checked and maintained in accordance with centre policy</li> <li>All passengers should wear seatbelts</li> <li>Drivers should be appropriately qualified</li> <li>Drivers should not take excessive risks – e.g. Flood water, off road driving, excessive speed or overtaking</li> <li>Appropriate safe parking areas should be used and the group controlled on exit and entry to the vehicle</li> </ul>	Medium
Supervision of group and group behaviour	All	High	<ul style="list-style-type: none"> <li>A ratio of 1:12 is set. One visiting staff member may be added to these ratios.</li> <li>Staff will be familiar with the route.</li> <li>Clear responsibilities are outlined in the pre-course information sent out to all groups.</li> <li>Specific meeting points are set if appropriate.</li> <li>Guests work together in groups.</li> <li>Staff to supervise the progress of the group and adjust pace to keep group together.</li> </ul>	Low

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Falls, objects falling from above, trips and slips.	All	High	<ul style="list-style-type: none"> <li>• Appropriate routes will be selected.</li> <li>• Proper briefing of guests, behaviour monitored and managed appropriately, vigilance by all staff during activity.</li> <li>• Participants work together in groups rather than individually.</li> <li>• Guidance to suitable footwear given before session.</li> </ul>	Medium
Injury/illness	All	Medium	<ul style="list-style-type: none"> <li>• All groups are required to provide information about significant medical requirements and will ensure that any essential medication is accessible.</li> <li>• The Instructor will continuously monitor the welfare of the group.</li> <li>• The Instructor will use this to set an appropriate pace.</li> <li>• The Instructor will change the route if appropriate.</li> <li>• Suitable breaks will be built into the route to prevent over exertion</li> <li>• The instructor will ensure access to a first aid kit.</li> <li>• Guests clothing and equipment will be checked before the activity.</li> </ul>	Low
Effect of weather	All	Medium	<ul style="list-style-type: none"> <li>• Pre-session briefing will include information about suitable and spare clothing.</li> <li>• Activity may be changed due to conditions.</li> <li>• The Instructor will supervise the group and ensure correct clothing is worn throughout the journey.</li> </ul>	Medium
Hypothermia	All	Medium	<ul style="list-style-type: none"> <li>• Appropriate clothing and equipment carried, worn and checked.</li> <li>• Take all necessary actions to avoid cold water immersion especially when cold temperatures prevail.</li> </ul>	Medium

For Combined Water/Rock Activities (E.g. Caving, Ghyll Scrambling)

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Anchor / equipment failure	All	High	<ul style="list-style-type: none"> <li>All equipment and anchors rigged and checked as appropriate for use by competent and qualified personnel.</li> </ul>	Low
Crossing deep cold water	Participants	Medium	<ul style="list-style-type: none"> <li>Use of traverse ropes and hand lines to prevent immersion if appropriate</li> </ul>	Low
Falling objects (Rock, equipment etc)	Participants	High	<ul style="list-style-type: none"> <li>Careful "avoidance of danger zone" briefings by instructor in all vertical sections of the trip.</li> <li>Protective helmet worn.</li> </ul>	Low
Climbing small vertical drops	All	Medium	<ul style="list-style-type: none"> <li>Blocking and physical protection by the instructor when necessary.</li> <li>Use assisted hand line and or belayed rope as appropriate.</li> </ul>	Low
Participants with additional abilities or needs	All	Medium	<ul style="list-style-type: none"> <li>Prior to session, check Cinolla booking system or consult Lead Instructor for information. During activity, consult visiting Leader for advice and information.</li> </ul>	Low

# Element Specific Off-site Risk Assessment

## Great Tower

**!** This document should be used in conjunction with the Generic Risk Assessment for off-site activities.

### Mountain Day & Local walk

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Route specific hazards	All	High	<ul style="list-style-type: none"> <li>Route choice will be determined by guest wants, needs and ability and environmental conditions</li> <li>Local fell walk led by in house trained staff and should follow predefined routes only</li> <li>Hill Walking routes may vary and should be planned and led by a Mountain Leader.</li> <li>An activity safety briefing is delivered to help orientate guests and identify any particular hazards</li> <li>Keep to the tracks</li> <li>Keep groups together</li> <li>If unsure or needing help to talk to the instructor</li> <li>Follow the Country Code</li> <li>This briefing will be continued throughout the hike as appropriate</li> <li>Venue choice will be determined by guest wants, needs and ability and environmental conditions</li> <li>Boundaries set at base</li> <li>Venue selected close with appropriate 'escape routes'</li> <li>Venue checked as being clear of avoidable hazards</li> </ul>	Medium



Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
General areas hazards - Traffic on roads, logging lorries and bikes on forest tracks.	All	High	<ul style="list-style-type: none"> <li>• Guests will be briefed to walk single file with leaders spread appropriately throughout the group.</li> <li>• Guests will be briefed on how to communicate approaching traffic to other group members.</li> <li>• Guests will be briefed on action to take (everyone stepping to the same side of path) if traffic approaches.</li> <li>• Guests to be briefed that cycle traffic can approach quickly and silently.</li> <li>• Routes will be away from main and forestry roads where possible to avoid motor traffic.</li> </ul>	Medium
Unprepared for conditions.	All	Medium	<ul style="list-style-type: none"> <li>• Guests will be advised of the need for-</li> <li>• Suitable footwear, Waterproofs, Spare warm clothing, Food/drink</li> <li>• Staff will carry: Group shelter, Group First Aid kit, Radio, Map/compass</li> <li>• 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.</li> </ul>	Low

### Ghyll Scrambling

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Slippery wet rocks on route and in the ghyll.	Participants	Medium	<ul style="list-style-type: none"> <li>• Supervise at all times.</li> <li>• Warn participants of danger of slipping and to take care especially with foot placement.</li> <li>• Avoid loose ground and vegetation.</li> </ul>	Medium

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
			<ul style="list-style-type: none"> <li>• Try to stay in watercourse and avoid climbing over larger boulders.</li> <li>• Ensure participants are wearing appropriate footwear and helmet in hazardous areas.</li> </ul>	
Falling, abrasions	Participants	Medium	<ul style="list-style-type: none"> <li>• Effective supervision</li> <li>• Brief group to take care, especially with foot placement.</li> <li>• Long sleeves and trousers preferable.</li> </ul>	Low
Entry and Exit to ghyll	Participants	Medium	<ul style="list-style-type: none"> <li>• Supervise at all times.</li> <li>• Brief group.</li> <li>• Consider spotting and/or hand line.</li> <li>• Protective helmet worn.</li> </ul>	Medium
Climbing longer pitches	Participants	High	<ul style="list-style-type: none"> <li>• Brief group, one participant at a time.</li> <li>• Harnesses worn</li> <li>• Adult to assist clip in.</li> <li>• Use belayed rope as appropriate and when necessary.</li> <li>• Protective helmet worn.</li> </ul>	Low
Water / Drowning	Participants	High	<ul style="list-style-type: none"> <li>• Supervise at all times and brief group.</li> <li>• Use of Buoyancy Aids.</li> <li>• Consider support for smaller/lighter participants.</li> </ul>	Medium
Flash Flooding/ high water levels	Participants	High	<ul style="list-style-type: none"> <li>• Weather forecast immediately prior to the event and in relation to the previous few days' weather.</li> <li>• Local knowledge, knowledge of water levels and signs.</li> <li>• Knowledge of several alternative escape routes.</li> <li>• Consider change of venue.</li> <li>• Modify, postpone, and cancel plans as necessary.</li> </ul>	Low

ELEMENT SPECIFIC OFFSITE RISK ASSESSMENT – GREAT TOWERGT - COMBINED RISK ASSESSMENTS

2021

Document Managed by: Lead Instructor

Last Edited: 17/09/2021 11:40, Formal review date: 01 May 2022



Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Entrapment	Participants	High	<ul style="list-style-type: none"> <li>• Careful briefing, warn participants of danger of slipping and to take care especially with foot placement.</li> <li>• Challenge by choice to ensure participants are confident.</li> <li>• Avoid if appropriate (alternative ways).</li> <li>• Ensure participants are wearing appropriate footwear and helmet in hazardous areas.</li> <li>• Calm reassurance.</li> <li>• Consider avoiding certain areas in high water.</li> </ul>	Medium
Injury from pool jumps	Participants	High	<ul style="list-style-type: none"> <li>• Instructor to brief participants, in the exact point where to jump</li> <li>• Instructor to make sure participants are not pencil diving, when pool jumping.</li> <li>• No jumps above 2m to be carried out and only pool jumps that are specified in the route map of the venue to be carried out.</li> <li>• Water levels must be considered, particularly if the water level is low. Instructor to make a judgement on whether the pool jump is safe to execute.</li> </ul>	Medium
Cold water shock or hyperthermia	Participants	Medium	<ul style="list-style-type: none"> <li>• Instructor to monitor the condition of participants regularly</li> <li>• Participants should be kitted out correctly and when appropriate, a wetsuit must be used</li> <li>• Instructor to keep participants moving as much as possible.</li> </ul>	Medium

## Caving Risk Assessment

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Exposed rock on way to cave. Very slippery in the wet.	All	Medium	<ul style="list-style-type: none"> <li>Supervise at all times.</li> <li>Ensure participants are wearing appropriate footwear and helmet in hazardous areas.</li> </ul>	Medium
Entry into and across boulder area within the daylight zone of the cave entrance	All	Medium	<ul style="list-style-type: none"> <li>Supervise at all times.</li> <li>Ensure participants are wearing appropriate footwear</li> <li>Protective helmet worn.</li> </ul>	Medium
Light Failure	All	Medium	<ul style="list-style-type: none"> <li>Carry spare lights/bulbs/batteries;</li> </ul>	Low
Cave Flooding/ high water levels	All	High	<ul style="list-style-type: none"> <li>Weather forecast immediately prior to the event and in relation to the previous few days' weather.</li> <li>Local knowledge</li> <li>Modify, postpone or cancel plans as necessary.</li> </ul>	Low
Physically stuck/ claustrophobia	All	Medium	<ul style="list-style-type: none"> <li>Careful briefing. Calm reassurance. Avoid if appropriate (alternative routes) and challenge by choice.</li> </ul>	Low
Falls	All	High	<ul style="list-style-type: none"> <li>Careful briefing. Knowledge of the cave, and key areas to spot participants, or use rope techniques appropriate to the group and obstacle. Avoid hazardous parts of the cave system.</li> </ul>	Medium
Lost participants	All	Medium	<ul style="list-style-type: none"> <li>Keep whole group together, regularly gathering to check full group presence.</li> </ul>	Medium

## Climb & Abseil Risk Assessment

Hazards	Who may be harmed?	Foreseeable Severity	Control Measures in Place	Residual Risk
Injury from Incorrect technical set up or operation	Participants	High	<ul style="list-style-type: none"> <li>• Instructor to be qualified with SPA/RCI and use approved methods</li> <li>• Instructor to be familiar with the venue</li> <li>• Instructor assisted by an in house trained assistant</li> </ul>	Low
Injury caused by entrapment.	Participants.	Medium	<ul style="list-style-type: none"> <li>• Participants are briefed to keep their hands low on the abseil rope, keeping well clear of the figure of 8 abseil device.</li> </ul>	Low
Injury from other crag users.	Anyone in vicinity.	Medium	<ul style="list-style-type: none"> <li>• Instructor to ensure effective communication with other users of the crag and ensure boundaries are defined.</li> </ul>	Low
Falling from height	All	High	<ul style="list-style-type: none"> <li>• Instructor to supervise group at all times</li> <li>• Instructor to brief participants of the inherent dangers that are at the different locations used</li> <li>• Instructor to check equipment before use and to make sure all equipment is fit for use</li> </ul>	Low