

Risk Assessment:	Rope Activities (Crate Climb, Rock Climbing, Challenge Ropes)	
Revised Date:	May 2024 By KM	

Hazard	Who might be at risk	Likelihood	Consequence	Outcome (Risk)	Controls Implemented	Who Implements these controls	New Likelihood	New Consequence	New Outcome (Risk)
Falling objects/ crates	Participants, Staff & other visitors of The Cap Caves	Unlikely (2)	Moderate (3)	Moderate (6)	Ensure all Helmets are done up correctly for both the climber and participants on ground level	Adventure Guide/Staff	Rare (1)	Moderate (3)	Low (3)
					Ensure all loose items such as wallets, keys or phones are removed from pockets before climbing.				
					Ensure all participants are made aware that crates will fall during Crate Climb and they are to always be watching them. No one is to stand too close while the Climber steps across onto the other stack of crates.				
					All Pulleys and weight bearing connection points are inspected and maintained regularly as per manufacture's recommendations				

					Ensure all Rope activities participants know the whereabouts of the “safe” zone, allowing them to take a break and/or remove their helmets. The Safe zone is located underneath our gazebo or giant umbrella.		Rare (1)	Moderate (3)	Low (3)
Falls from height	Participants	Unlikely (2)	Major (4)	Moderate (8)	The Crate Climber will always have a Belayer (which will be a qualified Adventure Guide) All other activities a Climber will always have a Belayer and a Backup Belayer as their Fall Protection when climbing above 2m. This is set up as a “Top Anchor” Belay station. For participants too young to belay each other, a guide will train a teacher/supervisor to do the Belaying with them. While an extra participant will be the “backup belay”.	Adventure Guide/Staff	Rare (1)	Moderate (3)	Low (3)
					Participants are to follow all safety instructions given to them by any Teacher/Supervisor and or Recreational Guide/Staff				
					Participants will all go through pre-start equipment checks and understanding, to ensure correct use of Harnesses, Helmets, Ropes, Carabiners and Prussik Loops.		Rare (1)	Moderate (3)	Low (3)

Improper use of safety equipment	Participants and Staff	Unlikely (2)	Moderate (3)	Moderate (6)	No climb is undertaken without a qualified and experience guide supervising	Adventure Guide	Rare (1)	Minor (2)	Low (2)
					All participants are shown correct use and operation of equipment and aren't left unsupervised		Rare (1)	Minor (2)	Low (2)
Equipment failure	Participants and Staff	Rare (1)	Moderate (3)	Low (3)	All equipment is maintained to industry and manufactures standard	Adventure Guide	Rare (1)	Insignificant (1)	Low (1)
					Equipment is checked and inspected before, during and after use. And on a 6-monthly period it is recorded and logged, unless any discrepancies arise first, and if so, equipment is then taken out of service		Rare (1)	Insignificant (1)	Low (1)
Exhaustion due to physical exercise, heat and or sun exposure.	Participants and Staff	Unlikely (2)	Minor (2)	Moderate (4)	The Rope Activities site has a shaded area under an umbrella and guides erect a gazebo for larger groups. Water is encouraged throughout the activity. Participants have plenty of time to take breaks and rest on hot days	Adventure guide and staff	Rare (1)	Insignificant (1)	Low (1)
					Participants are taken care of while climbing up, by being attached to a belay line, if they are too tired to continue, they can be lowered off with ease.		Rare (1)	Insignificant (1)	Low (1)
Participants removing all	Participants	Possible (3)	Moderate (3)	Moderate (9)	To Fully complete the course,	Adventure guides	Rare (1)	Moderate (3)	Low (3)

forms of protection while on the Challenge Ropes					participants must Climb a ladder with a “Top Rope Belay”, make their way across the elements and connect a “Safety Line” to an anchor point on the posts. This allows them to detach from one Belay system and connect to a new Belay system. They then remove the Safety Line and continue through the next element.				
					Participants are Instructed to only detach ropes from themselves if they have made a new connection point to a new form of protection i.e. Post anchors or belay systems				
					Demonstrations and briefings are compulsory before the activity is fully underway.				
Panic Attacks (reaction to being at heights)	Participants	Possible (3)	Insignificant (1)	Low (3)	Some participants will have a fear of heights and either panic about the activity or show discomfort. Guides are to ensure every safety precaution has been followed and maintained.	Adventure guide and staff	Rare (1)	Insignificant (1)	Low (1)
					Briefings will always occur to find out who is nervous about the activity and the guide will always be there to help the patron complete the activity safely		Rare (1)	Insignificant (1)	Low (1)

					(Challenge Ropes) There are two qualified guides supervising the activity to ensure all participants are staying safe and connected to a safety point.				
Pinch points and jams.	Participants and Staff	Possible (3)	Minor (2)	Moderate (6)	Participants hair, jewellery, clothing or body parts have the potential to get caught in the Carabiners or crates. Guides are to ensure all rings and loose jewellery are removed and long hair tied back before the activity is underway	Adventure guide and staff	Rare (1)	Minor (2)	Low (2)
					Guides are to ensure correct use of equipment and correct hand placement while belaying.		Rare (1)	Minor (2)	Low (2)
Medical Conditions (that might interfere with activity)	Participants	Possible (3)	Minor (2)	Moderate (6)	All participants are required to fill out medical forms prior to activity. Instructors can then identify condition which may cause problems	Adventure Guides and Staff	Rare (1)	Minor (2)	Low (2)
Slips and Trips	Participants and Staff	Unlikely (2)	Minor (2)	Moderate (4)	The Rope activity area is made up of crusher dust and may be slippery in patches, also due to the natural surface there might be some uneven patches.	Adventure Guides and Staff	Rare (1)	Insignificant (1)	Low (1)

					Enclosed shoes are a must and participants are instructed to only walk.				
					The area is surrounded by sandstone blocks and participants are only permitted to sit and not walk on them		Rare (1)	Insignificant (1)	Low (1)
					There are two concrete slabs for other activities in the area, and these will be made known to the participants to avoid trips				
Uneven Ground (Crates tipping over and kids losing balance unexpectedly)	Participants	Possible (3)	Minor (2)	Moderate (6)	The area is on a slope causing the crates or participants to lose balance more frequently. A concrete surface has been used to level out and stabilize the area	Adventure guides and Staff	Rare (1)	Insignificant (1)	Low (1)
					The concrete surface is only slightly wider than two crates set up, side by side. This won't affect any soft fall, as the participants are still connected to rope and can't fall directly down onto the concrete		Rare (1)	Insignificant (1)	Low (1)

The Capricorn Caves uses a simple Risk Matrix (See below) to identify the hazards and risk associated with our activities. With trained guides and supervisors implementing the appropriate controls in our environment, we've mitigated the risk to the safest possible levels. No activity can be undertaken without continuous hazard monitoring and the risk levels being at their absolute lowest.

All staff conducting the activity have read and understood our procedures and risk management processes.

		Consequences				
		Insignificant (1) No injuries / minimal financial loss	Minor (2) First aid treatment / medium financial loss	Moderate (3) Medical treatment / high financial loss	Major (4) Hospitalable / large financial loss	Catastrophic (5) Death / massive financial loss
Likelihood	Almost Certain (5) Often occurs / once a week	Moderate (5)	High (10)	High (15)	Catastrophic (20)	Catastrophic (25)
	Likely (4) Could easily happen / once a month	Moderate (4)	Moderate (8)	High (12)	Catastrophic (16)	Catastrophic (20)
	Possible (3) Could happen or known it to happen / once a year	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
	Unlikely (2) Hasn't happened yet but could / once every 10 years	Low (2)	Moderate (4)	Moderate (6)	Moderate (8)	High (10)
	Rare (1) Conceivable but only on extreme circumstances / once in 100 years	Low (1)	Low (2)	Low (3)	Moderate (4)	Moderate (5)