

Risk Assessment: Crate Stack

Reviewed: August 2021

Next Review Date: August 2022

Assessment undertaken by: Chris Martlew, Chief Instructor

L = LOW M = MEDIUM H = HIGH

Hazards	Effects	Who might be effected	Risk		Methods to Avoid/Reduce Risk
			Likelihood	Consequence	
Crate Stack					Crate Stack
Falling	Death, serious to minor injuries to the group or individuals.	All	L	H	<p>Clear safety brief given by trained instructors</p> <p>Climbers are to be attached to a safety rope at all times.</p> <p>There must be a minimum of 2 belayers on each rope at all times.</p> <p>Instructors are to check the fitting of harnesses and helmets</p> <p>The instructor is to stay near the stack of crates until the participants get higher than 6 crates.</p> <p>The instructor is to help spot participants and to verbally direct belayers to pull through loose rope as required to help prevent any falls. This is due to the 10% stretch in the ropes and the participants being less than 1.5 metres high.</p> <p>After the participants reach 6 crates high It is critical to make sure tension in maintained on the belay line at all times.</p> <p>The instructor may need to provide additional direct support while supervising the lower off - one climber at a time, keeping the speed under control.</p> <p>The instructor is to end the session if safety is compromised at any point.</p>
Belayers slipping	Back/neck injury, sprains, bruising, and cuts. Injury to climber.	Individual	M	L/H	<p>Clear safety brief given by instructor</p> <p>The instructor may need to provide additional direct support while supervising the lower off, one climber at a time – keeping the speed under control.</p> <p>Ensure belayers are focused.</p> <p>Check ground is clear of debris and not slippery.</p> <p>Belay should be attached into the system, to limit movement.</p> <p>Tension should be maintained on the belay ropes at all times and the instructor needs to verbally prompt belayers to pull though any loose rope when required.</p>
Panic attack	Shock, bruising, asthma	Individual	L	L/M	<p>Participants must carry relevant medication</p> <p>The instructor is to ensure they have a first aid kit on session.</p> <p>All rescues must be carried out in accordance with site specific procedures</p>
Damage unsuitable equipment	Death, serious to minor injury	All	L	H	<p>Pre-use equipment checks carried out by instructors</p> <p>Equipment fitted, supervised and frequently</p>

Hazards	Effects	Who might be effected	Risk		Methods to Avoid/Reduce Risk
			Likelihood	Consequence	
Crate Stack					Crate Stack checked by instructors Unserviceable equipment is dealt with accordingly.
Incorrectly fitted equipment	Death, serious to minor injury	All	L	H	Instructor training and observation
Tangled belay lines in trees	Unable to belay properly to prevent falls Death serious to minor injury	Individuals	L	M/H	Frequent site observations Removal of overhanging branches
Insect bites	Stings, allergic reactions, anaphylactic shock	Individual	L	L/M/H	Have any personal medication available
Bird droppings	Illness, disease, (potential bird flu)	Individual	L	M	Keep equipment clean Wash hands after activities
Injury From Falling Crates	Serious to minor injury	All	H	L	Instructors to give clear safety brief and make sure participants are being vigilant at all times Instructor to control the knocking over of the tower wherever possible and make sure participants are clear of the area.