**Crate Stacking Risk Assessment Date: 01/03/2023**

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| **Hazards** | **People effected & harm** | **Current controls** | **Further action required** | **Action by who** | **Action by when** | **Comments** |
| Fall from height | Participants may be seriously injured by a fall from height | Participants only allowed to enter and participate in the activity whilst wearing correct safety equipment and only when instructed by instructor. Equipment to be checked in accordance with manufacturer’s minimum guidelines and records kept of inspections.  Only equipment designated for use with the activity shall be used and erected by competent persons as required by a High Ropes activity.  Activity participants kept in designated viewing area. | Equipment log to be maintained as required and as a minimum on an annual basis if no recommended interval.  Trees to be assessed for suitability and damage when activity is erected. | All Instructors | Ongoing as required | See 3.4 Crate Stacking Inspection Log |
| Ropes and slings | Participants or instructors may suffer from rope burns or trip injuries | Instructors are to wear suitable gloves when operating the belay equipment  Excess rigged rope should be placed away from the main crate area to reduce the opportunity for trip hazards to occur  Participants to be briefed on correct rope handling when using the activity. | No further action required |  |  |  |
| Incorrect use of the equipment | Participants can suffer from cuts, bruises and strains from using the equipment incorrectly | Instructors provided are certified as competent to lead a High Ropes Activity.  Instructor: Participant ratio not to exceed 1:10, with a minimum of 2 instructors required.  All participants to have their personal protection equipment checked by staff prior to beginning the session. Instructor vigilance to ensure that equipment remains correctly fitted throughout the session.  Non rigging equipment used within the activity shall have additional items such as tell-tale or indicator locks to ensure correct use. | No further action required |  |  |  |
| Human error by  instructor – misuse of equipment. | Participants and instructors may suffer from cuts, bruises, strains or breaks | All Instructors trained in the proper use of PPE, including belay devices.  All Instructors regularly monitored through formal observation and rotation  Refresher training delivered annually and if any new equipment is introduced  Techniques in place to reduce the risk of instructor error such as  slow controlled descents and safe working methods with belay devices | Training records to be maintained for all instructors | ADC Campsite Warden | Ongoing as required |  |
| Adverse weather  conditions | Participants may suffer from excessive cold or wet weather and increased risk of slips or falls | All activity cancelled if winds gust force 6 or higher, or where excessive movement in tree crown increases risk of falling timber.  In the event of thunder and lightning storms a 20 minute rule applies.  Participants are recommended to wear warm outdoor clothing.  Where thin hats are worn under helmets, the fit and security of the helmet must not be compromised | No further action required |  |  |  |
| Human error – groups  not listening to briefings  and taking in vital  information. | Participants or instructors may suffer injury | Full co-operation from group leaders in group control and discipline  Instructors are authorized to stop a session if participants are acting in a dangerous or irresponsible manner | No further action required |  |  |  |
| Hitting head or danger from  falling objects. | Participants or instructors may suffer injury | All participants and Instructors must wear helmets at all times when within the activity area.  All participants to ensure their pockets are empty prior to the activity. | No further action required |  |  |  |
| Entrapment of fingers, hands or hair in equipment | Participants or instructors may suffer injury | Entrapment of hair/ fingers/ jewellery in ropes, harnesses or moving components.  Long hair to be tied up, jewellery  to be removed. Participants made aware of hazard and instructors to monitor. | No further action required |  |  |  |