

RISK ASSESSMENT: Raft Building

Completed by: Activities Team

Date: 10/02/2020

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What is the Hazard?	Who may be harmed?	How might people be harmed?	Risk Rating			Control Measures in Place	Remaining Risk		
			Probability	Severity	Risk		Probability	Severity	Risk
Drowning	All	Death by drowning	4	5	20	<ul style="list-style-type: none"> Participants must wear appropriate buoyancy aids throughout the activity, checked by staff at the start of the session and before participants get on the water. In the case of capsize, staff to ensure all participants involved are accounted for and safe. Pond is shallow enough to stand up in the event of capsize, or raft falling apart. Clear warning signs around pond identifying water Participants briefed on what to do if raft sinks (stand up and pull raft to the edge.) Throwline to be placed somewhere easily accessible prior to the start of the session. 	2	5	10
Slips, Trips and Falls	All	Cuts, grazes and bruises. Sprains, strains and broken bones.	4	2	8	<ul style="list-style-type: none"> All equipment not being used is put away in the store. All participants to be warned about raft building equipment on the ground (poles, ropes, barrels etc.) whilst building and taking apart rafts. All participants are instructed to wear appropriate footwear. Participants warned about exposed tree roots and potential hazards. 	2	2	4
Exposure / Hypothermia and Sunburn	All	Sunburnt skin, high temperature and dehydration.	4	3	12	<ul style="list-style-type: none"> Staff to ensure that clothing is appropriate for weather conditions. Both staff and clients to drink plenty of water. Participants are advised to have a spare change of clothes with them for the end of the session. Sun cream applied when needed. 	2	3	6
Hit By Paddles	All	Cuts, bruises and contusions	3	3	9	<ul style="list-style-type: none"> Participants briefed on dangers of wielding paddles in confined spaces. If splashing game is played, explain safe amount of space to be left between each other. Instructor to stay aware throughout the session. Helmets to be worn at all times. 	1	3	3

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Group Behaviour	All	Loss of control of the group, participants being distracted/ not listening.	3	4	12	<ul style="list-style-type: none"> Group leaders are to ensure that the group is under control at all times. Instructor is to stop the session if the participant's behaviour becomes dangerous. 	1	4	4
Group Control (on the water)	All	See above	4	3	12	<ul style="list-style-type: none"> Group briefed at the start of the activity on clear boundaries. System of group recall explained at the start of the session. 	1	4	4
Launching and Recovering Rafts	All	Strains and manual handling injuries	4	3	12	<ul style="list-style-type: none"> All instructor staff are provided with manual handling training. Activity specific training given to all staff. Instructor to brief group on correct manual handling techniques and to monitor and manage constantly. 	1	3	3
Equipment Failure	All	Cuts, bruises and grazes. Contusions. Raft falling apart and/or sinking related injuries	3	3	9	<ul style="list-style-type: none"> Monthly inspection and maintenance. All equipment is checked by the instructor prior to being used. Items deemed to be faulty are removed from use immediately, logged and placed in the quarantine bin. Annual recorded checks to Buoyancy Aids are carried out. 	1	3	3
Infection From Water Borne Diseases	All	Vomiting, diarrhoea chills, headaches and fever	3	3	9	<ul style="list-style-type: none"> Any cuts to be covered with waterproof plasters. Advised to shower after activity and to ensure hands are washed before eating or drinking. Instructors to keep capsizing and unnecessary splashing to a minimum. If feeling unwell in the following 36-72hrs to see a doctor letting them know that they have been taking part in water activities. 	2	3	6
Trapped Fingers	Participants	Bruises, broken digits	3	4	12	<ul style="list-style-type: none"> Participants briefed at the start of the session on the potential risk of trapping fingers between craft. Participants reminded throughout the session, especially when rafting groups together. 	1	4	4

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Adverse Weather	All		3	5	15	<ul style="list-style-type: none"> At first sign of a thunder and lightning storm, instructor to stop session and get everyone off the water as quickly and safely as possible. A minimum clear period of 30 minutes after thunder, before a session can continue. Refer to 'Adverse Weather' policy. 	1	5	5
Overhanging Trees	All	Cuts, bruises and grazes	3	3	9	<ul style="list-style-type: none"> Ensure that the group are made aware of this hazard. Periodic inspection of the lake carried out, especially after flood or strong winds. 	1	3	3
Overcrowding on the Pond	Participants	Loss of control of the group, chaos could result in injury	3	3	9	<ul style="list-style-type: none"> Instructor to make sure there are only a maximum of 12 participants to one instructor. Instructor to stop the session if it becomes unsafe. Where necessary, boundaries and sections of pond used to control group. Only ever same craft to run on the pond at any one time. (E.g. 1 x paddle games, 1 x raft or 2 x raft.) 	1	3	3
Other Craft	Participants	See above	3	2	6	<ul style="list-style-type: none"> Participants briefed at the start of the session on the dangers of other craft on the water. 	1	2	2
Lifting Heavy Equipment	All	Strains and manual handling related injuries	4	4	16	<ul style="list-style-type: none"> All instructor staff are provided with manual handling training. Participants shown safe practice on lifting and carrying, bent legs and straight back. Instructors to ensure adequate number of people are available to lift the raft. Instructor to monitor and manage constantly. 	1	4	4
Submerged Objects	All	Cuts, bruises, grazes and contusions	3	3	9	<ul style="list-style-type: none"> Participants and staff to have well fitted footwear e.g. close toed shoes (no wellington boots.) Participants not allowed to jump off the raft. 	2	3	6
Entrapment / Entanglement	Participants	Limbs and/or fingers could get caught in ropes/gaps in the raft. Potential of being trapped underwater.	4	4	16	<ul style="list-style-type: none"> Instructors will check each raft before it goes on the water that there are no ropes left trailing from the raft. Instructors will teach the correct knots needed to build a raft. Participants warned where to sit on raft to prevent entanglement with ropes. Instructor to be prepared to enter the water if necessary. 	1	4	4

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Human Error	All	Instructor complacency and loss of focus could put everyone at risk	3	3	9	<ul style="list-style-type: none"> All instructors are trained by a senior member of staff and given a formal observation before being allowed lead sessions alone. All instructors are regularly monitored to ensure procedures are complied with. All instructors are issued with a handbook outlining all procedures in place for the activity. Where possible, instructors to only work the same session twice in a day. Instructors made aware of any changes to activity. Refresh training when necessary. 	1	3	3

Level	Likelihood Factor	Severity Description
1	Very Unlikely	Insignificant – No injury or No First Aid required.
2	Unlikely	Minor – Minor injuries requiring first aid such as cuts, grazes, bruising.
3	Fairly Likely	Moderate – Injuries resulting in up to three days' absence from work.
4	Likely	Major – Injuries resulting in a week or more absence from work, for example broken bones, deep cut etc.
5	Very Likely	Catastrophic – Amputations or Death.

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Remaining Risk Level	Description
1-5	Very low, minimal risk, control measures more than adequate
5-10	Low, control measures satisfactory
10-15	Medium, control measures adequate
15-20	High, control measures need further consideration
20-25	Very high, intolerable, stop Job