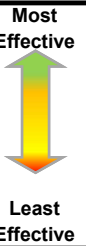




# ADVENTURE ACTIVITIES RISK ASSESSMENT AND CONTROL RECORD

This Risk Assessment shall be reviewed at least every 2 years, upon identification of any new risks or whenever there is a related incident or change in a the task, process or activity which may alter risks

<b>PART A - ACTIVITY DETAILS</b>			
<b>Name of activity:</b>		<b>Risk Assessment Number:</b>	
Tyre Tubing /River Swimming		YMCA-AA-RAW05	
<b>Activity Scope:</b>		<b>ACTIVITY RISK RATING</b>	
Tyre Tubing is a water activity where participants effortlessly float along the river within authentic tyre tubes. Immersed in environmental interpretation and engaging games. No powered craft are involved.		<b>Overall Risk Level (without Controls)</b>	<b>Overall Risk Level (with Controls)</b>
		Medium	Low
<b>Equipment / Facility Requirements:</b>	<b>Supervision Requirements:</b>		<b>Activity Leader Qualification Requirements:</b>
Tyre tubes, lifejackets, safety craft and rescue gear	Supervision of active participants	1 Outdoor Leader and 1 responsible person (e.g. Teacher)	
	Supervision of non-active participants	Generally all participants are actively participating, if not an additional responsible person (e.g. Teacher) is required	
<b>Prepared By:</b>	<b>In Consultation with:</b>		<b>Issue Date:</b>
Lynda Aldridge	Brent Greenfield, Jackie Kelly, Jordan Devine, Graeme Ferguson		1-Dec-2023
<b>Next Review Date:</b>			
	30-Nov-2026		
<b>WHS Advisor</b>	<b>Group Manager</b>		
Michael Schablon	Michelle Stanton		
<b>Reference Information:</b> (e.g. manufacturer's instructions, operating manuals, industry information, Company Policies, CoP, Standards, Regulations)		<b>Supporting Documentation:</b> (e.g. Work Instruction, SWP, Guidelines, Manuals, Inspection Checklists, Training Records, Signage)	
Australian Adventure Activity Standard & Core Good Practice Guide (GPG). Inland water paddle-craft GPG, AS 4758- Lifejackets. CARA guidelines: Swimming in locations other than pools		Master Adventurous Activity Risk Assessment and Control Record Tyre Tubing Standard Operating Procedures Equipment Inspection, routine Equipment Inspection, annual iAudit Training records	

RISK ASSESSMENT MATRIX		Consequences				
		A – Insignificant Near miss or limited harm not requiring first aid	B – Minor Injury or illness requiring no medical treatment with no lost time and minor incidents	C – Moderate Compensable physical or phycological injury with > 7 days off.	D – Major Serious Injury resulting in permanent impairment / long term rehabilitation	E – Extreme Death, multiple serious injuries.
Likelihood	<b>5-Almost Certain</b> Is expected to occur again either immediately or within a short period of time (likely to occur most weeks or months)	MEDIUM	HIGH	HIGH	HIGH	HIGH
	<b>4-Likely</b> Will probably occur in most circumstances (several times a year)	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	<b>3-Possible</b> Probably will occur at some time (may happen every 1-2 years)	LOW	LOW	MEDIUM	MEDIUM	HIGH
	<b>2-Unlikely</b> Possibly to occur at some time in 2-10 years	LOW	LOW	LOW	MEDIUM	MEDIUM
	<b>1-Rare</b> Unlikely to occur only in exceptional circumstances (may happen every 10 – 20 years)	LOW	LOW	LOW	LOW	MEDIUM
RISK CONTROL HEIRARCHY						
Proactive	 <p>Most Effective</p> <p>Least Effective</p>	Level 1	<b>Elimination</b> - Can risks be removed, repaired, outsourced or otherwise eliminated?			
		Level 2	<b>Substitution</b> - Can risks be reduced through substituting the hazard or process with a safer alternative?			
			<b>Isolation</b> - Can risks be reduced through isolating the hazard from possible contact with workers or patrons?			
		Level 3	<b>Engineering</b> - Can risks be controlled through engineering means or structural / equipment modification?			
<b>Administration</b> - Can risks be controlled through training, supervision and / or signage?						
Reactive		Level 4	<b>Personal Protective Equipment</b> - Can risks be controlled through the use of personal protective equipment?			
			<b>Emergency Response</b> - Can risks be reduced through the provision of special / additional emergency response equipment and/or procedures? (measures in addition to standard First Aid kits, First Aid personnel, Fire Safety Installations, Fire and Evacuation Plans, training and drills)?			

PART B - HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTROL										
Hazard	Risk Event	Consequences	Initial Risk			Control Measures	Person Responsible	Current Risk		
			L	C	R			L	C	R
<i>What is the source of the Risk?</i>	<i>How can a person be injured?</i>	<i>What are the expected injuries / illness?</i>				<i>What will reduce the likelihood or consequences?</i>	<i>Who is responsible for implementing the control measure?</i>			
<b>Environment</b> – hazards and risks associated with the Environment.										
Hot/humid weather	Insufficient fluid intake, overexposure during program	Dehydration, headaches, nausea, fainting	4	C	M	<ul style="list-style-type: none"> <li>Provide drinking water and shade at launch for activities longer than 1.5 hours</li> </ul>	Outdoor Leader	3	B	L
Flooding	Swept away in fast waters	Drowning	4	D	H	<ul style="list-style-type: none"> <li>Monitor weather alerts on Bureau of Meteorology website and advise Outdoor Leaders via UHF as required</li> <li>Monitor dam levels through seqwater.com.au website</li> <li>Direct contact with operators of SEQ water dam as required</li> <li>Activities to be ceased when SEQ advised undertaking dam release</li> <li>Monitoring alerts from dam spillage from SEQ Water via phone/text, noting maximum capacity of Lake Samsonvale 68% due to upgrades</li> <li>Modify activities where possible to suit conditions depending on the type of programmed activities, location, client age range and ability to determine whether the activity should be modified to reduce the risk of being in the flooded area</li> <li>Advise Outdoor Leader as to any modification to the activity</li> </ul>	Program Coordinator	2	C	L
						<ul style="list-style-type: none"> <li>Visually monitor river levels</li> <li>If travelling downstream from Camp Warrawee Launch in high water turn around at the second set of power lines (50 m from the Pump House), due to the likelihood of it being operational</li> </ul>	Outdoor Leader			
Strong winds	Water craft separation from group, capsize of water craft	Abrasions, contusions, lacerations, fractures, concussions	4	C	M	<ul style="list-style-type: none"> <li>Review program if winds of 20 km/h (10 knots) or more are predicted, depending on the location of journey and impact the wind will have on the activity modify if necessary and advise Outdoor Leader</li> <li>Deploy support water craft as necessary</li> <li>Traverse along the bank in large bodies of water</li> </ul>	Program Coordinator	3	B	L

**PART B - HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTROL**

Hazard	Risk Event	Consequences	Initial Risk			Control Measures	Person Responsible	Current Risk		
			L	C	R			L	C	R
<i>What is the source of the Risk?</i>	<i>How can a person be injured?</i>	<i>What are the expected injuries / illness?</i>				<i>What will reduce the likelihood or consequences?</i>	<i>Who is responsible for implementing the control measure?</i>			
Electrical storm	Through lightning strike either direct, contact voltage, side flash or ground current	Muscle pains, confusion burns	3	C	M	<ul style="list-style-type: none"> <li>Head immediately for shore. If this is not practicable keep a low profile and avoid contact with or being close metallic objects, avoid unnecessary contact with communication or navigations equipment and avoid contact with water. Exit via vehicle track if required, being mindful of track hazards. Leave paddles with craft, do not use as walking aids up the vehicle track.</li> </ul>	Outdoor Leader	1	B	L
Drinking water	Water borne illness	Nausea, stomach cramps, diarrhoea, vomiting	2	C	L	<ul style="list-style-type: none"> <li>Carry water quantities appropriate for the type of activity, its anticipated intensity and weather conditions</li> <li>Use water purification tablets when the water quality is unknown</li> <li>Brief participants to not drink the creek, river or dam water</li> </ul>	Outdoor Leader	1	B	L
						<ul style="list-style-type: none"> <li>Provide water purification tablets for the activity as required</li> </ul>	Program Coordinator			
Submerged objects in a body of water, rivers and/or lakes	Collision with submerged object or river bed	Abrasions, contusions, lacerations	3	C	M	<ul style="list-style-type: none"> <li>Confirm depth of river bed in front of obstacle</li> <li>Brief participants on where they can jump off the obstacle, and advise not to Pindrop or dive (depending on depth)</li> </ul>	Outdoor Leader	2	B	L
	Participant gets entrapped or entangled in submerged objects	Abrasions, contusions, lacerations, near drowning	4	D	H	<ul style="list-style-type: none"> <li>Monitor weather and alerts on the Bureau of Meteorology website</li> <li>Monitor water levels and dam capacity on the SEQ water website</li> <li>Reassess overall risk based on weather alerts and water levels depending on type of programmed activities, location, client age range and ability to determine whether the activity should be modified to reduce the risk of over-exposure</li> <li>Ensure Outdoor Leader suitably trained to undertake activity</li> </ul>	Program Coordinator	2	A	L
						<ul style="list-style-type: none"> <li>Ensure rescue equipment is suitable and fit for purpose (whistle, suitable cutting device, towing system)</li> </ul>	Logistics Coordinator			

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Hazard	Risk Event	Consequences	Initial Risk			Control Measures	Person Responsible	Current Risk		
			L	C	R			L	C	R
<i>What is the source of the Risk?</i>	<i>How can a person be injured?</i>	<i>What are the expected injuries / illness?</i>				<i>What will reduce the likelihood or consequences?</i>	<i>Who is responsible for implementing the control measure?</i>			
Submerged objects in a body of water, rivers and/or lakes	Participant gets entrapped or entangled in submerged objects	Abrasions, contusions, lacerations, near drowning	3	C	M	<ul style="list-style-type: none"> <li>• Ensure enclosed sturdy shoes are worn</li> <li>• Brief participants on submerged hazards and depth of water</li> <li>• Ensure each participant has a Life Jacket that meets Australian Standards for its intended purpose</li> <li>• Life jackets should be the correct size for the wearer and be adjusted correctly before entering the water. The Life Jacket should be a bright colour</li> <li>• Monitor participants for suitability and swimming competency</li> <li>• Negotiate areas of moving water prior to participants</li> <li>• Throw bags, 15-20 meters, and/ or tow-lines must be carried on rescue craft</li> <li>• Carry a safety knife/ shears that is easily accessible, however should not be carried on the outside of the life jacket</li> <li>• Carry appropriate towing system easily accessible so that it can be deployed quickly when needed</li> <li>• Adhere to Exclusion Zones as directed by relevant authority (Dam Wall, Weir)</li> <li>• Remain aware of the distance from shore as the weather, wind and tide can create hazards.</li> <li>• Modified or abandon activity in adverse conditions</li> <li>• Consider stopping activity if environmental conditions exceed the ability of the group</li> <li>• All gear should be correctly waterproofed and stowed securely in watercraft</li> </ul>	Outdoor Leader	2	A	L

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Hazard	Risk Event	Consequences	Initial Risk			Control Measures	Person Responsible	Current Risk		
			L	C	R			L	C	R
<i>What is the source of the Risk?</i>	<i>How can a person be injured?</i>	<i>What are the expected injuries / illness?</i>				<i>What will reduce the likelihood or consequences?</i>	<i>Who is responsible for implementing the control measure?</i>			
Body of water	Falling into the water and panicking causing					<ul style="list-style-type: none"> <li>• Ensure Outdoor Leader holds Water Rescue qualification</li> </ul>	Program Coordinator			
	Swimming ability not suitable for activity, causing near drowning	Chest pain, cough, shortness of breath, vomiting, asphyxiation, anxiety	3	C	M	<ul style="list-style-type: none"> <li>• Brief participants on risk of submerged obstacles</li> <li>• Provide participants with genuine choice to participate or withdraw</li> <li>• Ensure each participant that has a Life Jacket that meets Australian Standards for its intended purpose</li> <li>• Life jackets should be the correct size for the wearer and be adjusted correctly before entering the water</li> <li>• Ensure throw rope is accessible</li> <li>• Carry a suitable means of cutting rope (to be easily accessible but inside life jacket)</li> <li>• Consider using safety craft</li> </ul>	Outdoor Leader	2	C	L
Sharp objects	Fish hooks, glass, sharp sticks or stones	Pain, discomfort, puncture wounds, infection	3	B	L	<ul style="list-style-type: none"> <li>• Outdoor Leader to survey site and remove any sharps and dispose of in sharps container</li> <li>• Enclosed sturdy shoes must be worn, supervision and monitoring of footwear during activity session to be undertaken by client staff</li> <li>• Define clear physical boundary for activities</li> <li>• Brief participants on sharp objects that can be found in the area</li> </ul>	Outdoor Leader	2	A	L

Please refer to Master Risk Assessment for Adventurous Activities for generic risk assessment and controls

<b>PART B - HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTROL</b>										
Hazard	Risk Event	Consequences	Initial Risk			Control Measures	Person Responsible	Current Risk		
<b>People – List all hazards and risks associated with People.</b>										
Allergens	Participant having a reaction to latex	Allergic reaction	3	B	L	• Latex flotation device available	Outdoor Leader	1	B	L
Physical Exertion	Participants over challenged causing exhaustion and fatigue	Sprains, strains, contusions and lacerations	3	A	L	• Determine time on water and activity based on participant group. Either undertake games and play or small journey from/to raft from canoe launch	Outdoor Leader	2	A	L
Group Separation	Reduced time to rescue	Minor physical or psychological injury	3	B	L	• Water craft to be used as rescue craft to provide participants with assistance when required.	Outdoor Leader	2	A	L

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Hazard	Risk Event	Consequences	Initial Risk			Control Measures	Person Responsible	Current Risk		
<b>Logistics &amp; Equipment – List all risks associated with Logistics and Equipment.</b>										
Personal Protective Equipment (PPE)	Not provided or not correctly fitted	Abrasions, contusions, lacerations, asphyxiation	3	D	M	<ul style="list-style-type: none"> <li>• Range of sizes of life jackets available</li> <li>• Life jackets to be of the correct size, fit and suitability for activity</li> <li>• Life jackets to be worn to manufacturers specifications and secured throughout any activity session where participants are exposed to water hazards</li> <li>• Life jackets to be checked prior to commencing activity</li> </ul>	Outdoor Leader	2	B	L
Using damaged equipment	Equipment failure	Abrasions, contusions, lacerations, asphyxiation	3	D	M	<ul style="list-style-type: none"> <li>• Check condition of fastening systems on life jackets prior to use</li> </ul>	Outdoor Leader	2	D	L

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