

## 11.4 HAZARD REGISTER 2017

HAZARD IDENTIFICATION											
Event Courses	Significant Hazard		Eliminate		Steps to Isolate		Steps to Minimise		Steps Taken	Responsibility	
	YES	NO	YES	NO	YES	NO	YES	NO			
<b>Road Cycle and Mountain Bike</b>											
Competitor being physically injured due to: collision with other competitor, stray animal or falling off bike due to operator error or mechanical issue. Sliding on slippery road surface (water, loose gravel, ice)	3			3		3	3		Traffic Management Plan Road Code Competitor Briefing Leg cancelled or detour put in place	Race Manager	<b>Impact: Mod</b> <b>Likelihood: Rare</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>
Competitor becoming lost	3			3		3	3		Marshals in strategic positions Thorough course marking Tail End Charlie	Race Manager	<b>Impact: Min</b> <b>Likelihood: Rare</b> <b>Risk Level: Low</b> <b>Acceptable: Yes / No</b>
Competitor being struck by vehicle	3			3		3	3	x	Traffic Management Plan Course selection Road Code Competitor Briefing	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>

Steep banks and drop off on MTB course	3			3		3	3		Course selection Competitor briefing Warning signage where applicable	Race Manager	<b>Impact: Mod</b> <b>Likelihood: Rare</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>
River / Stream Crossings. Slip and potential wash away. Injury, entanglement or drowning.	3			3		3	3		Marshalls positioned at major stream crossings. Monitoring of water level and ensuring competitors cross safely. Additional staff to assist. Alternative route if river level gets to an unsafe level (eliminate crossing).	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>
<b>Kayak</b>											
Competitor being physically injured due to: collision with boat or contact with another kayak	3			3		3	3		Water safety staff on course Competitor Briefing	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>
Competitor becoming lost	3			3		3	3		Marshals in strategic positions Course briefing Emergency response plan	Race Manager	<b>Impact: Ins</b> <b>Likelihood: Rare</b> <b>Risk Level: Low</b> <b>Acceptable: Yes / No</b>
Competitor drowning (entrapments etc.)	3			3		3	3		Water Safety Staff Contingency planning Competitor Briefing	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>

Competitor falling out of kayak and being washed out to sea by tide	3			3		3	3		Water safety staff on course Course selection Competitor Briefing	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>
<b>Coastal Run and Final Pit Rim Run</b>											
Tripping on obstacles	3			3		3	3		Course checked by marshals and course crew	Race Manager	<b>Impact: Min</b> <b>Likelihood: Mod</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>
Competitor falling over bank (and in to the sea)	3			3		3	3		Competitor Briefing  Warning signage and/or tape	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>
Missing Person	3			3		3	3		Head count prior to start, each participant wears a transponder. Make sure participants comply with carrying compulsory gear – spot checks on start line for Full Nugget course. Unaccounted transponders checked at finish of event.	Race Manager	<b>Impact: Mod</b> <b>Likelihood: Rare</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>
Fire	3			3		3	3		Fire extinguishers at base. BBQ away from trees on gravel area at finish line. No smoking at event. Event is held in early winter, outside fire season.	Race Manager	<b>Impact: Mod</b> <b>Likelihood: Rare</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>

Structure collapses on trail	3			3		3	3		Department of Conservation to keep structures on trails safe and maintained. Event Marshals to control number and speed of competitors on structures (e.g. bridges) where necessary.	Department of Conservation Course Director	<b>Impact: Maj</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>
Athletes poor physical condition	3			3		3	3		Medical condition disclosed on entry form	Participants and Coaches where appropriate	<b>Impact: Mod</b> <b>Likelihood: Rare</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>
Falling trees/debris	3			3		3	3		Causes will be checked for fallen trees before race start. In the event of extreme wind causing trees to fall, event can be detoured or cancelled.	Event Manager Course Director.	<b>Impact: Maj</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>
River / Stream Crossings. Slip and potential wash away. Injury, entanglement or drowning.	3			3		3	3		Marshalls positioned at major stream crossings. Monitoring of water level and ensuring competitors cross safely. Additional staff to assist. Alternative route if river level gets to an unsafe level (Eliminate crossing).	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>

Base & Transition Operations. Pre and Post Event. Staff, Volunteers and Contractors											
Tripping on obstacles	3			3		3	3		Course checked by marshals Tidy work place management	Race Manager	<b>Impact: Ins</b> <b>Likelihood: Rare</b> <b>Risk Level: Low</b> <b>Acceptable: Yes / No</b>
Competitor or staff being hit by vehicle	3			3		3	3		Traffic Management Plan Competitor Briefing	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b>
Missing person	3			3		3	3		Refer missing person plan	Race Manager	<b>Impact: Mod</b> <b>Likelihood: Rare</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>
Car accident (car vs car) car vs person. Vehicles reversing	3			3		3	3		Make all staff & volunteers aware of hazards, restrict number of vehicles, restrict speed, have pilot for reversing cars, trailers & trucks	Race Manager	<b>Impact: Ext</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>

Crushing injuries from lifting equipment or falling equipment	3			3		3	3		Secure all high structures. Keep clear space while erecting. Secure all high structures	Race Manager	<b>Impact: Maj</b> <b>Likelihood: Rare</b> <b>Risk Level: Hi</b> <b>Acceptable: Yes / No</b>
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Course marking. Staff/volunteers being physically injured due to: stray animal or falling off bike due to operator error or mechanical issue. Sliding on slippery road surface (water, loose gravel, ice). Getting lost, injured and being unable to return home.	3			3		3	3		Make staff aware of hazards, notify land owners. Carry first aid kit and phone. Notify race manager or other person on whereabouts and expected time of arrival.	Race Manager	<b>Impact: Mod</b> <b>Likelihood: Rare</b> <b>Risk Level: Mod</b> <b>Acceptable: Yes / No</b>
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