

ELIZABETH QUAY REGATTAS RISK MANAGEMENT PLAN

Activity/Event & Critical Success Factors	Risk (What can go wrong?)	Likelihood (initial)	Consequence (initial)	Level of Risk (initial)	Action(s)	Likelihood (residual)	Consequence (residual)	Level of Risk (residual)
ON WATER - ALL REGATTAS	Collision between crews during training and marshalling	Likely	Moderate	Significant	On-Water traffic flow plan to be circulated to all clubs and rowers prior to event. Marshalls to communicate appropriately and regularly with all crews via radio prior to event start.	Unlikely	Moderate	Moderate
	Capsize during marshalling or competition	Unlikely	Moderate	Moderate	Safety boat to be on standby on course and in marshalling area.	Rare	Moderate	Low
	Crews interfering with other lanes during marshalling or racing	Likely	Minor	Moderate	1. Flow Plan circulated to all rowers prior to regatta. 2. Static (but boated) umpires able to move onto the course as required. 3. Contingency planning to be implemented by Officials in circumstances of high cross wind e.g. single lane time trial	Unlikely	Minor	Moderate
	Collision with start pontoon	Likely	Minor	Moderate	1. Course open for training prior to event to allow competitors to familiarize themselves with course layout. 2. Coxswains to have completed EQ training prior to regatta. 3. Ideally crews will have also rowed into EQ during training to familiarise themselves with location.	Moderate	Minor	Moderate
	Collision with land or fixed object	Rare	Moderate	Low	Flow Plan circulated to all rowers prior to regatta highlighting hazards	Rare	Minor	Low
	Collision with a private vessel or public ferry	Moderate	Catastrophic	Significant	1. Coxswain education and training is paramount in the reduction of collision based incidents. 2. Ferry drivers given two way radios for communication with marshals. An event official will be given specific responsibility to communicate ferrh movements to all competing crews via radio. 3. Race Scheduling to factor in ferry arrivals and departures.	Rare	Catastrophic	Moderate
	Capsize during or immediately following a race	Unlikely	Moderate	Moderate	Safety launches will be positioned at a high risks point and at the finish, they are linked to other launches by radio.	Unlikely	Minor	Moderate
	Severe storm accompanied by thunder and lightning during racing	Unlikely	Major	Moderate	Application of the Rowing WA Inclement Weather Guideline within the Rules of Racing	Moderate	Minor	Moderate
	Sudden bad weather causing unrowable and / or dangerous conditions - regatta participants being unprepared or unaware of impending adverse weather conditions (1 of 2)	Rare	Major	Moderate	Weather forecasts and visible weather indicators will be monitored throughout the event and warnings to crews provided as appropriate. Regatta will be abandoned if conditions deemed unsafe	Rare	Moderate	Low
	Strong winds effecting crews which have finished race and exited the protected waters of EQ (2 of 2)	Moderate	Moderate	Significant	Officials to warn crews of conditions outside EQ and appropriate action they should take upon exiting the inlet	Moderate	Minor	Moderate
ON WATER - TWILIGHT / NIGHT REGATTAS	Collision between two rowing boats	Moderate	Major	Significant	1. Ensure rowing boats meet minimum lighting standard. 2. Ensure adequate number of marshals at event 3. Circulate Regatta Management plan (including on-water flow plan to all participants. Include Mandatory Coxswain education component	Unlikely	Major	Moderate
	Collision between a rowing boat and a non-rowing vessels	Moderate	Catastrophic	Significant	1. Ensure boats meet minimum lighting standard. 2. Create boating public awareness of event through DoT and signage at EQ public launch points. 3. Provision of Event Operations radios to each South Perth ferry 4. All crews provided a two-way radio 5. An event official dedicated to communication of ferry/private boat movements with participating crews via radio	Rare	Catastrophic	Moderate
	Collision between a Marshall boat and a non-rowing vessel	Unlikely	Moderate	Moderate	1. Ensure marshal boats meet minimum lighting standard 2. Ensure all drivers have RST 3. Ensure driver's are paired with trained BRO.	Rare	Moderate	Low
	Rowing vessel lighting insufficient for high activity water body after sunset	Likely	Major	Extreme	Minimum lighting standards communicated and enforced to all clubs and crews	Unlikely	Major	Moderate

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ON LAND	Vandalism and/or damage to equipment and infrastructure leads to inability to conduct certain aspects of the event	Rare	Moderate	Low	Have all essential equipment stored away when not in use.	Rare	Minor	Low
	Lack of toilet facilities resulting in loss of service and complaints	Rare	Minor	Low	Confirm access to venue toilet facilities, arrange for hire of additional toilets if necessary.	Rare	Minor	Low
	Problem occurs that requires medical attention, e.g. spectator or athlete suffers non-event related medical issue	Unlikely	Moderate	Moderate	Regatta officials (e.g. umpires, etc.) to assess situation and contact ambulance if required. General call out for medical professionals to be made across venue if required.	Unlikely	Minor	Moderate
	Participant suffers heat stroke and heat exhaustion	Unlikely	Major	Moderate	If extreme weather conditions are apparent, RWA will advertise risks to clubs via captains and strategies to counteract e.g. additional water and sun protection	Rare	Major	Moderate
	Accident involving cyclists, roller bladers, skaters and/or pedestrians around boat launching areas	Unlikely	Moderate	Moderate	1. Event organisers, Officials and clubs to be reminded of the public nature of this location and the respect to be offered to the general public co-sharing the venue 2. Event marshal placed at boat launching site to manage shared path areas and remind participants of public right of way	Unlikely	Moderate	Moderate
	Injury or damage related to vehicle and trailer access, parking and egress	Unlikely	Moderate	Moderate	1. Dissemination of Boat Transport and Rigging Area Plan to all crews 2. Designate specific trailer parking location for each club prior to event.	Unlikely	Moderate	Moderate
	Collapse of portable and/or temporary structures	Unlikely	Moderate	Moderate	Structures are adequately fastened down (condition and strength of fastening devices)	Rare	Minor	Low
	Regatta equipment (including radios) being dropped in the water	Moderate	Moderate	Significant	Computer/public address and other regatta equipment to be safely positioned and secured. Radios to be secured using neck straps or belt clips	Unlikely	Moderate	Moderate
	Wet Weather	Likely	Minor	Moderate	In case of wet weather, ensure appropriate equipment protection to safely continue regatta operations	Likely	Minor	Moderate
	Boat holder falling off start pontoon	Unlikely	Minor	Moderate	1. Swimming declaration required for all on-water tasks 2. Inflatable floatation devices issued to all boat holders	Unlikely	Insignificant	Low
	Person jumping off pedestrian bridge or swimming in EQ	Rare	Moderate	Low	Officials to be conscious of high public foot traffic and hold races and assist persons in water if required	Rare	Minor	Low
	Electrical appliances exposed to weather event or trip hazard	Moderate	Moderate	Significant	Portable electrical appliances (including leads and plugs) to be protected from elements and not a trip hazard.	Unlikely	Moderate	Moderate
	Excess alcohol consumption by participant or event official/personnel	Unlikely	Moderate	Moderate	Implementation of RWA Healthy Lifestyles Policy	Rare	Moderate	Low
EQUIPMENT AND SYSTEMS	Timing system breakdown	Unlikely	Moderate	Moderate	Avoid requirement for timing systems through adequate race progression. Back up timing system (e.g. stopwatch, webscorer) to be on standby at all events.	Unlikely	Insignificant	Low
	Loss of power to start/finish line	Rare	Moderate	Low	Most systems operate on battery power (excluding public address). Generator to be sourced if back-up power supply required	Rare	Minor	Low
	Breakdown of computer and/or other IT systems	Unlikely	Major	Moderate	Multiple laptop and iPad computer options will be available at all regattas to provide back-up options. However regatta can be run on fully manual system e.g. stopwatch, pen and paper if required	Unlikely	Minor	Moderate
	Theft of key equipment	Rare	Major	Moderate	Critical and valuable regatta equipment to be monitored during regatta use. On site security cameras to be utilised in theft incident	Rare	Minor	Low
	Breakdown in radio communication system	Rare	Major	Moderate	Two-way radio is primary system with mobile phone as back up. Loud hailers will suffice as back up. All key personnel to have copy of key contact mobile numbers in case of breakdown in primary system.	Rare	Minor	Low

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PERSONNEL ISSUES	Lack of or unawareness of Emergency Response protocol	Likely	Major	Extreme	Dissemination of RWA Emergency Response Protocol to appropriate personnel	Rare	Major	Moderate
	Insufficient number of volunteers recruited to adequately conduct event	Moderate	Moderate	Significant	Event manager to liaise with officials to determine appropriate number of officials and volunteers. Potential sources include clubs and other volunteer organisations	Unlikely	Moderate	Moderate
	Insufficient volunteers and/or officials show up for regatta	Unlikely	Moderate	Moderate	Recruit adequate number of volunteers and officials, provide adequate volunteer education and training and confirmation check in week prior to event.	Unlikely	Moderate	Moderate
	Insufficient Personal Protective Equipment	Moderate	Minor	Moderate	Volunteers, staff and officials to wear appropriate personal protective equipment. This may include personal floatation devices, sun protection, high visibility garments. Specialist equipment to be provided by event organiser but general safety equipment to be provided by volunteers for their tasks.	Rare	Minor	Low
	Lack of awareness of Incident Reporting procedure	Likely	Moderate	Significant	1. Incident Report Form disseminated electronically to all event officials and volunteers and hard copies provided to President of Jury on day of regatta 2. Rower and event personnel safety issues may be recorded on the Jury Report at the end of the regatta. RWA staff to follow these up post-regatta. 3. Post-regatta incident report request disseminated to all clubs, event officials and volunteers	Moderate	Minor	Moderate
MEDICAL/SAFETY ISSUES	Drowning	Rare	Catastrophic	Moderate	1. Communication and education around the additional dangers posed by conducting rowing regattas in this busy waterway. 2. Implement RWA Emergency Response Protocol (attached)	Rare	Catastrophic	Moderate
	Sprains and bruises	Likely	Minor	Moderate	Officials (or assigned first aid personnel) to administer first aid as appropriate	Likely	Minor	Moderate
	Deep lacerations or fractures	Rare	Major	Moderate	Implement RWA Emergency Response Protocol (attached)	Rare	Major	Moderate
	Significant head or facial injury	Rare	Major	Moderate	Implement RWA Emergency Response Protocol (attached)	Rare	Major	Moderate