



# Perth Pirates Dragon Boat Club

<b>Activity: Dragon Boating</b>	<b>Date of Review: 12/08/2020</b>	<b>Location of Activity: Swan River, Maylands and Guildford Areas</b>
<b>Year of Risk Assessment: 2019</b>	<b>Risk Assessment Participants: Perth Pirates Dragon Boat Club Committee</b>	

Step	Hazard	Impact / Unwanted Event	Consequence Rating	Likelihood Rating	Risk	Control Measures
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1 WEATHER & WATER CONDITIONS						
1.1	Inclement or adverse weather	Lightening strike to boat or competitors whilst on the water	Catastrophic	Unlikely	HIGH	Monitor BOM weather conditions prior to and during racing. A weather and water condition assessment are conducted prior to training, and paddling will not take place in extreme weather conditions Safety Briefing prior to entering water. Boats and participants to be withdrawn from the water when lightening in close proximity. Participants to be advised to seek shelter.
1.2	Poor visibiliy or light	Potential for collision with other vessels on the water Injury to participants Damage to boats	Moderate	Possible	HIGH	Sweeps to be accredited to level 3. Boats to be fitted with navigational lighting. Adherence to Department of Transport marine safety rules.
1.3	High winds	Roll over or swamping of boat Push boats into path of another causing collision	Moderate	Possible	HIGH	Wind speed and weather to be monitored prior to and during racing. Weather conditions with high winds and unsafe, racing to be delayed or cancelled.
1.4	Excessive swell or chop	Roll over or swamping of boat Injury or drowning of participants	Moderate	Possible	HIGH	A weather and water condition assessment are conducted prior to training, and paddling will not take place in extreme weather conditions Participants to be able to swim as per DBWA requirements. Non-swimming participants must wear Personal Flotation Devices- provided by PPDBC First aiders present on the boat All First aiders present on the boat accredited sweeps are first aid qualified
2 VENUE						
2.1	Poor Health & Hygiene of facilities	Disease transfer, unhygienic facilities	Moderate	Rare	MEDIUM	Local Council accreditation Inspect facilities prior to event
2.2	Slips, trips and falls due to poor road surfaces at parking area / path / flooring at the venue	Personal injury to participants, officials, volunteers and spectators	Minor	Possible	MEDIUM	Site inspection, bunting and barriers installed. Hazards to be controlled as best possible with barriers, witches hats etc. and raised with the local authorities
2.3	Fire	Property damage or burns	Insignificant	Rare	LOW	FESA check of venue and equipment
2.4	Lack of crowd control	Stampede related injury	Insignificant	Rare	LOW	Clearly defined exits, access and walkways. These areas to be kept clear of equipment and obstructions
3 BOATS & EQUIPMENT						



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3.1	Transfer of boats to and from land	Lacerations, trip or fall & back injury from lifting and carrying Boats	Moderate	Possible	HIGH	Club members and official volunteers evenly spaced around boats, one person in control, bend knees & adequate people (10) to affect transfer. Appropriate footwear to be worn. Use appropriate and if available equipment, trolleys or trailers to move boats safely.
3.2	Equipment breakage or failure	Personal injury or property damage	Moderate	Unlikely	MEDIUM	All equipment to be inspected and repaired prior to and during racing. Dragon boats are international standard Champion Boats, with regular maintenance inspections Paddles are wooden or plastic with little impact if broken
3.3	Course markings not present or placed incorrectly	Boats clashing, personal injury or damage	Moderate	Possible	HIGH	Lanes to be clearly marked and defined. Crews informed of lane markings & start/finish lines. Portable flood lights at loading area and along promenade throwing out onto course.
3.4	Boats not fit for purpose	Injury to Participants Damage to boats	Minor	Unlikely	LOW	Dragon boats are international standard Champion Boats, with regular maintenance inspections Boats to have first aid kits and torches on board during training. Boats to be fitted with navigational lighting during nighttime and low light training. Boats to be inspected and in good condition
3.5	Spectators being hit by a boat	Physical injury to spectators	Minor	Unlikely	LOW	Designated boat area with barriers and bunting. Non essential spectators to be kept clear of the water ways and launch areas. Participants, officials, marshals and volunteers only within the launch areas.
3.6	Boat enters into public ski area wash or impact	Physical injury Damage to equipment	Moderate	Unlikely	MEDIUM	Ensure race events are run in winter months when ski boat activity is at a minimum. i.e. July – September When training on days where river traffic is heavy to head away from ski area Paddle to right of river (heading downstream) All sweeps are fully accredited and deemed capable of managing a dragon boat safely Sweeps are experienced in navigating this part of the river and the corresponding river traffic
3.7	Hitting submerge object	Equipment damage	Minor	Unlikely	LOW	Boats remain in deeper water and in marked channels Sweeps are experienced in navigating this part of the river and the corresponding river traffic



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3.8	River traffic wash or impact	Physical injury Damage to equipment	Moderate	Unlikely	MEDIUM	Commercial ferry schedule known to all sweeps and racing suspended during this time. All sweeps are fully accredited and deemed capable of managing a dragon boat safely Sweeps are experienced in navigating this part of the river and the corresponding river traffic Run race events in winter months when boat traffic is at a minimum. i.e. July – September Race and training course is in a sheltered part of Swan River Non-swimming participants must wear Personal Flotation Devices- provided by Perth Pirates Dragon Boat Club All participants briefed on boat safety and capsize procedures Rescue boat available to provide rapid assistance should capsize occur Head count of number of persons on board conducted by sweep Area of river is signposted with maximum speed of 8 knots First Aid kits and tow ropes are always carried on all boats First aider (with current certificate) at all events Boats are positively buoyant, providing flotation for paddlers
3.9	Transport and loading of boats	Physical injury Damage to equipment	Moderate	Unlikely	MEDIUM	Trailer to be purpose built to carry a Dragon Boat Trailer to be licensed and road worthy Trailer to be maintained and checked regularly Boats to be secured during transport using appropriate tie down straps Trailer Driver to be towed by a road worthy vehicle of the vehicle to hold a current drivers licence Driver not be under the influence of alcohol and or drugs Driver of the vehicle to obey road traffic laws Spotter to be used when reversing the vehicle and trailer Boat to be loaded with a minimum of 10 people to assist
<b>4</b>	<b>PARTICIPANTS</b>					
4.1	Hot and/or windy conditions	Participants exposed to high heat weather conditions resulting in sunburn, dehydration, heat exhaustion, wind burn	Minor	Unlikely	LOW	Ensure all participants are informed of risks. Encourage "slip, slop, slap" & adequate fluid intake. Encourage use of protective clothing where possible. Stay in shaded areas when not in boats.
4.2	Cold or inclement conditions	Hypothermia	Moderate	Unlikely	MEDIUM	Participants to wear appropriate clothing. Coaches to assess weather conditions Safety briefing



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4.3	Participants not fit	Soft tissue injury or serious medical event	Moderate	Possible	<p><b>HIGH</b></p> <p>Ensure proper stretching and warm up and cool down.            Team Coaches to monitor participants during training and events.            Participants to declare existing injuries or if unfit to compete to their Head Coach or Team Manager.            Prior to the participating, all participants are briefed as to the expected level of physical activity involved. If any participant is concerned about their ability to participate, they are instructed to seek medical advice from their doctor            First Aid kits are carried on all dragon boats            First aider (with current certificate) at all events            Sweeps are required by the association to be first aid qualified.            Water is available and participants are to carry water in the boat during training.            Encourage participants to bring their own water supply.            All participants are advised to wear appropriate footwear and are not permitted to participate without such footwear            All participants are required to declare any pre-existing medical conditions via a signed waiver            Provision of sun block to minimise sun burn            Participants are advised of appropriate clothing prior to the event            To minimise risk of injury to each other in the boat, they are given basic training on technique and timing.            Medical Emergency Procedure implemented if required</p>
4.4	Possible drowning	Unconsciousness or death	Moderate	Possible	<p><b>HIGH</b></p> <p>All participants must be able to swim as per DBWA requirements. Non-swimming participants must wear Personal Flotation.            Employ "Buddy" system. Appropriately trained first aiders present            All participants briefed on boat safety and capsizing procedures</p>



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4.5	Collision between dragon boats during training and racing	Soft tissue injuries, lacerations, bruising Equipment damage	Moderate	Possible	HIGH	<p>All sweeps are fully accredited and deemed capable of managing a dragon boat safely</p> <p>All participants briefed on boat safety and capsize procedures</p> <p>Non-swimming participants provided with Personal Flotation Devices</p> <p>Rescue boat available during race events to provide rapid assistance should capsize occur</p> <p>Head count of number of persons on board conducted by sweep</p> <p>Races occur a maximum of 100 meters from shore</p> <p>First Aid kits and tow ropes are always carried on all boats</p> <p>First aider (with current certificate) at all events</p> <p>Boats are positively buoyant, providing flotation for paddlers</p> <p>Collision Emergency Procedure implemented if required</p>



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Participants / Volunteers unwell or suffering from cold and or flu like symptoms	Participants may expose others to illness	Unlikely	Moderate	MEDIUM	<p>Any participants that have travelled overseas must declare this to their Team Coach or Manager.</p> <p>Any participant that has travelled overseas with the COVID-19 event must not attend training for 14 days after returning to Australia. Participants that have shown no signs of symptoms are free to return to training and events. If a participant has demonstrated symptoms during the 14 days quarantine, must obtain a medical clearance certificate prior to returning to paddling. Based on WA government ruling under Phase 3 – full contact sport and training permissible</p> <p>DBWA COVID-19 requirements for clubs and participants disseminated to all clubs from DBWA</p> <p>Compliance with DBWA COVID-19 Risk Management Plan</p> <p>All clubs, participants and volunteers informed of COVID restrictions, symptoms, prevention and control measures to prevent spread of infection.</p> <p>Participants and volunteers that have travelled overseas or returning from overseas must declare this to their Club Coach or Team Manager and are not permitted to attend the event until completing 14 days quarantine.</p> <p>Any participants and volunteers that do exhibit any flu like symptoms will not be permitted to participant in the event.</p> <p>Cleaning and hygiene measures for boats, equipment and facilities implemented and maintained</p> <p>Hand sanitizer shall be made available</p> <p>Social distancing outside of the boats to be observed and complied with.</p> <p>No sharing of water bottles</p> <p>No unnecessary body contact</p>



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4.7	Capsize or loss of control of dragon boat	Unconsciousness or death	Catastrophic	Unlikely	HIGH	All sweeps are fully accredited and deemed capable of managing a dragon boat safely All participants briefed on boat safety and capsize procedures Training in a sheltered part of Swan River Non-swimming participants must wear Personal Flotation Devices- provided by PPDBC Rescue boat available during events to provide rapid assistance should capsize occur Head count of number of persons on board conducted by sweep Races occur a maximum of 100 meters from shore First Aid kits and tow ropes are always carried on all boats First aider (with current certificate) at all events Boats are positively buoyant, providing flotation for paddlers Capsize Emergency Procedure implemented if required Collision Emergency Procedure implemented if required
4.8	Participants under the influence of alcohol or drugs	Injury to participants or spectators	Major	Unlikely	HIGH	Promote responsible behaviour. Participants or teams found under the influence of alcohol or drugs (reactional or perscription/over the counter) will not be permitted on the water.
4.9	Slips, trips and falls around launch area, entering or exiting boats	Injury to Participants	Moderate	Possible	HIGH	Competitors to be wearing appropriate footwear Sweeps to ensure entry and exiting of boats conducted in a safe manner Boats to be held and stabilised to all competitors have exited or seated safely
<b>5</b>	<b>OFFICIALS</b>					
5.1	Confusion as to responsibility	Omission of key responsibilities could cause injury or property damage	Insignificant	Possible	LOW	Briefing before racing and issue of written information.
5.2	Poor Communication	Communications	Minor	Unlikely	LOW	Use mobile phones and signal flags & lights.
5.3	Poor training or experience	Knowledge of dragon boat racing	Moderate	Unlikely	MEDIUM	Ensure officials are suitably qualified for their jobs. Clearly defined race regulations and rules.
5.4	Unable to identify volunteers	Delays in affecting necessary response	Moderate	Unlikely	MEDIUM	Volunteers to wear identifiable clothing
5.5	Unable to identify an official	Delays in affecting necessary response	Moderate	Unlikely	MEDIUM	Officials to wear identifiable clothing



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L = Low Risk

M = Moderate Risk

H = High Risk

E = Extreme

Acceptable (Develop and implement a safety procedure where necessary)

Control Measures are required. (Area to be assessed and rectified of hazards to prevent situation escalating)

Comprehensive Management Required (Immediate action required to assess, rectify and analyse situation)

Do not conduct activity