

ID Number	Description of Unwanted Risk or Event	Existing Controls or Treatments	Risk Rating				ALARP Yes/No	Additional Controls or Treatments Required to Reduce Risk Level to ALARP	Revised Risk Rating after Controls or Treatments Implemented					
			Consequence	Likelihood	Risk Level	Residual Consequence			Residual Likelihood	Residual Risk Level				
	<b>Key Personnel</b>	Event Manager: Mark Turnbull (NSL) On-Water Safety Officer: Greg Allison (CYCSA) Principal Race Officer: Wayne Thompson (CYCSA)												
<b>Weather, Environment &amp; Location</b>														
W1	Severe weather event results in serious injury requiring medical treatment or death for competitor or personnel or extensive property damage affecting the ability of a competitor to continue racing in the event or a support boat to continue to provide services during the event.	<ul style="list-style-type: none"> <li>Event Manager (EM), On-Water Safety Officer (OWSO) and Principal Race Officer (PRO) when specific to sailing events, obtains Bureau of Meteorology (BOM) forecast on a daily basis</li> <li>Weather report posted on relevant event noticeboards, and sent electronically to competitors, each morning before competition, as well as listed on any online noticeboards.</li> <li>Daily briefing for competitors outlining the weather conditions and what to look out for</li> <li>Officials listed above to receive BOM alerts</li> <li>Officials listed above to monitor BOM radar and weather stations to determine surrounding weather conditions and any potential changes to racing conditions</li> <li>World Sailing safety levels guide conditions for sailing events</li> <li>Class rules and club fleet policy helps guide sailing racing conditions and decision to run sailing events</li> <li>Officials listed above able to cancel/reschedule events if competitor and volunteer safety is compromised</li> </ul>	Catastrophic	5	Rare	E	M	Yes						
W2	Cold weather and/or strong winds result in hypothermia of competitors and/or officials.	<ul style="list-style-type: none"> <li>Event Manager (EM), On-Water Safety Officer (OWSO) and Principal Race Officer (PRO) when specific to sailing events, cycle through events efficiently minimising wait times for competitors</li> <li>Officials listed above communicate with competitors about ensuring they are wearing appropriate clothing</li> <li>Support boat briefing undertaken by officials listed above each day of the event</li> <li>Risks associated with cold weather relayed to competitors during daily briefings</li> </ul>	Minor	2	Possible	C	M	No	<ul style="list-style-type: none"> <li>In cold conditions have rugs/space blankets on board HQ vessel (PRSF responsible for this) for added warmth if needed (only put in place if daily low is below 12°C)</li> <li>Identify indoor areas at the event precinct more protected from wind and cold, i.e. Rover HQ vessel</li> </ul>	Minor	2	Unlikely	D	L
W3	Hot weather results in heat stroke or illness of competitors and/or officials.	<ul style="list-style-type: none"> <li>Event Manager (EM), On-Water Safety Officer (OWSO) and Principal Race Officer (PRO) when specific to sailing events, ensure water is available on support boats to ensure competitors have additional fluids while competing</li> <li>Officials listed above communicate with competitors about ensuring they are staying hydrated and following sun safety guidelines</li> <li>Support boat briefing undertaken by officials listed above each day of the event to explain to volunteers how they can help dehydrated competitors</li> <li>Risks associated with extremely hot weather relayed to competitors during daily briefings</li> </ul>	Moderate	3	Possible	C	H	No	<ul style="list-style-type: none"> <li>Ensure racing does not take place between 11am and 3pm on days hotter than 36°C.</li> <li>In hot conditions have ice packs and cold water available on board rescue boats and on shore to cool people down if needed</li> <li>Ensure cool, shady, indoor areas are available on hot days</li> </ul>	Minor	2	Unlikely	D	L
<b>Venue/Club On-Water Conditions</b>														
OW1	Dangerous on-water conditions during launching and retrieval of boats and other on-water equipment resulting in injury.	<ul style="list-style-type: none"> <li>Location of competition area reviewed during selection process to ensure it is suitable for the type of racing or competition involved and to provide information to all on-water officials for inclusion in inductions and event/race briefings.</li> <li>All competitors briefed on appropriate launch and retrieval of boats and on-water craft by the appropriately trained individuals during each event.</li> <li>Launch/retrieval location set up in protected waters.</li> <li>Competitor briefing warns of geographic/topographic/hydrographic risks.</li> <li>Competitor briefing provided that explains areas in the Inner Port to be aware of when competing in on-water activity.</li> <li>Wind limit for sailing events in place at 24 knots.</li> <li>Wind limits in place for other on-water events in line with guidelines for each sport if lower than 24 knots.</li> <li>Class rules apply for all sailing activities.</li> </ul>	Major	4	Unlikely	D	H	No	<ul style="list-style-type: none"> <li>Provision of additional support people on shore and pontoons during dangerous launch/retrieval conditions.</li> <li>All on-water events limited to 24kts maximum wind speed in the Inner Port</li> <li>Have personnel to assist with launching and retrieval.</li> </ul>	Moderate	3	Unlikely	D	M
OW2	Collision between competing boat or on-water craft and a floating/submerged object results in injury or property damage.	<ul style="list-style-type: none"> <li>Rescue craft and on-water officials to observe race area for any debris and remove it from the race area.</li> <li>Competitors made aware of any existing obstructions in the racing area that are unable to be moved or removed by officials.</li> </ul>	Moderate	3	Unlikely	D	M	No	<ul style="list-style-type: none"> <li>Daily sweep of course by on-water officials and support boats prior to competitors being released from shore for any on-water event.</li> </ul>	Moderate	3	Rare	E	L
OW3	Spectators/competitors/officials potentially falling into the water without the ability to safely exit the water without assistance.	<ul style="list-style-type: none"> <li>Rescue personnel are contactable by on-shore support staff, the Event Manager and volunteers to ensure any spectators are rescued in a timely and safe way.</li> <li>All competitors, officials, and event staff and other personnel are required to wear Personal Flotation Devices (PFDs) when operating on or near the water.</li> <li>Appropriate on-water safety precautions including trained personnel are in place between the hours of 10am and 5pm on all days of the event.</li> </ul>	Moderate	3	Unlikely	D	M	Yes						
OW4	Collision between competing boat and other commercial or recreational vessels in the area, resulting in injury or property damage.	<ul style="list-style-type: none"> <li>Rescue craft and on-water officials to constantly monitor race area for any commercial or recreational vessels and ensure they are guided through the competition area safely.</li> <li>Competitors made aware that they must avoid any obstructions or other vessels regardless of how it impacts their race or competition.</li> <li>On-water officials to communicate with Flinders Ports and other relevant authorities on a daily basis to understand any major shipping movements that may affect the area.</li> <li>On-water officials to communicate with any relevant tourism operators prior to the event to understand any major movements inside the Inner Port that may affect the area.</li> </ul>	Moderate	3	Unlikely	D	M	No	<ul style="list-style-type: none"> <li>In certain situations that look to be dangerous, on-water officials are able to abandon a race or competition and instruct competitors to move away from an obstruction or other vessel to ensure safety of competitors and officials.</li> </ul>	Moderate	3	Rare	E	L

Risk Assessment

OW5	Incident between swimming participants and other on-water vessels resulting in injury or risk of drowning.	<ul style="list-style-type: none"> <li>Rescue craft and on-water officials monitoring swimming area and ensuring any vessels passing through the area are piloted through safely</li> <li>Competitors made aware of any pre-organised boat movements</li> <li>All other on-water activity paused during NHLSC swimming event</li> </ul>	Moderate	3	Unlikely	D	M	Yes						
OW6	Dangerous conditions result in SUP, dragon boat, windsurfing or kayak participants falling overboard.	<ul style="list-style-type: none"> <li>Registered Paddle SA instructors equipped with a VHF marine radio to communicate with on-water safety personnel at all times</li> <li>Paddle SA instructors to monitor weather conditions to ensure safety of participants</li> <li>Life jackets and safety briefing provided to all participants before getting on the water</li> </ul>	Moderate	3	Unlikely	D	M	No	<ul style="list-style-type: none"> <li>On-water safety personnel stay nearby paddle activities during stronger wind conditions to offer assistance if required</li> </ul>	Minor	2	Unlikely	D	L
<b>Race &amp; Event Management</b>														
RM1	Insufficient support for on-water officials leads to inability of sporting events to be carried out effectively. Results in injury.	<ul style="list-style-type: none"> <li>Minimum numbers of rescue personnel, support boats and equipment defined by on-water officials prior to the event.</li> <li>Roles and responsibilities of officials and support boats clearly outlined by Event Managers prior to the event.</li> </ul>	Minor	2	Unlikely	D	L	No	<ul style="list-style-type: none"> <li>Provision for induction of additional personnel during the regatta.</li> <li>Adapting courses and events to suit risk management capabilities and capacity.</li> </ul>	Minor	2	Rare	E	L
RM2	Safety boats run out of fuel, causing them to be an obstruction on the competition area and unable to assist in an emergency.	<ul style="list-style-type: none"> <li>All fuel tanks checked before and after each race session.</li> <li>On-water officials and Event Manager responsible to remind volunteers and rescue boat personnel to check their fuel each day.</li> <li>Additional fuel available either on primary race management vessel for sailing, other official vessels for other sports, or on shore.</li> </ul>	Minor	2	Unlikely	D	L	Yes						
RM3	Rescue personnel physical ability affects the support able to be provided. Results in serious injury requiring medical treatment or death.	<ul style="list-style-type: none"> <li>Rescue personnel all speak to Event Manager and on-water safety officials prior to the event to gain an understanding of any known medical conditions.</li> <li>On-water officials fully brief rescue personnel and event officials on requirements of the roles and confirm that they are able to do the job.</li> <li>Event Manager and on-water officials provide appropriate equipment and tools to support the rescue tasks.</li> <li>On-water officials for each event, as well as the Event Managers, have the authority/responsibility to monitor and direct the rescue personnel and officials.</li> <li>Declared medical conditions are communicated to first aiders and on-water officials prior to any racing or competition commencing (privacy conditions required).</li> </ul>	Minor	2	Unlikely	D	L	Yes						
<b>Communications</b>														
C1	Poor communication to emergency service providers (ambulance/police etc) of location of incident and access details delays emergency treatment.	<ul style="list-style-type: none"> <li>Emergency services provided with access information to the event space prior to the festival.</li> <li>Incident Management Plan/Emergency Response Plan/Site Map to show access location/route.</li> <li>Designated person identified prior to the event to coordinate emergency response and assist with providing directions if required.</li> </ul>	Moderate	3	Unlikely	D	M	Yes						
C2	On-water officials and first responders do not know who media contact is if an incident arises.	<ul style="list-style-type: none"> <li>All event managers and on-water safety personnel, including rescue personnel, provided with induction that outlines the key contact for media.</li> <li>Crisis management communication plan created and managed by the Council and shared with the on-water Event Managers.</li> </ul>	Minor	2	Unlikely	D	L	Yes						
C3	Authorised event media team does not obtain correct licences/permits for aerial filming (drones)	<ul style="list-style-type: none"> <li>Event Managers ensure the on-water media team specific for SA Sailing League adheres to all CASA restrictions.</li> <li>Event Managers ensure open communication with the Council relating to use of drones.</li> </ul>	Minor	2	Rare	E	L	Yes						
C4	On-water media team do not tape down or cover any power or other cords/cables resulting in a tripping hazard that could cause injury.	<ul style="list-style-type: none"> <li>On-water media team instructed to ensure all cables and cords are taped down or covered and any relevant signage/bunting/safety awareness strategies are in place to minimise the risk.</li> </ul>	Minor	2	Unlikely	D	L	Yes						
C5	Drone landing location is not clearly marked, resulting in potential collision with bystander or spectator.	<ul style="list-style-type: none"> <li>On-water event managers to ensure media team have a 30-metre radius from any bystanders or spectators when drones are landing or taking off, as per CASA regulations.</li> <li>Media team and on-water event managers work together to ensure any thoroughfares and walkways near the drone take off/landing area are cleared and closed temporarily during take off and landing.</li> <li>Spotters put in place during drone take off and landing to ensure public is not within 30 metres</li> </ul>	Minor	2	Rare	E	L	Yes						
C5	Incorrect radio channel being used by any volunteers or support/rescue vessels.	<ul style="list-style-type: none"> <li>Correct VHF channel outlined in any race or on-water event briefing prior to competition each day, and also in all competitor or participant documentation.</li> </ul>	Minor	2	Unlikely	D	L	No	<ul style="list-style-type: none"> <li>Radio checks done by the on-water safety personnel prior to the start of racing each day and any support vessel that does not respond is approached directly by another support vessel to ensure they are using their radio.</li> </ul>	Negligible	1	Rare	E	L
<b>Emergency Response &amp; Incident Management</b>														
IN1	Large scale on-water incident occurs that can not be effectively managed by existing event rescue personnel.	<ul style="list-style-type: none"> <li>Ensure on-water competitors that are involved in the event at the time are at a high competency level so they are able to navigate to safety.</li> <li>On-water officials to contact emergency services personnel in the event of a major incident that cannot be managed by existing volunteers and rescue personnel.</li> </ul>	Major	4	Unlikely	D	H	No	<ul style="list-style-type: none"> <li>Additional support provided by other on-water sporting organisations involved in the weekend that may not be using the water at that point in time.</li> <li>Appropriate methods in place to contact additional support to help effectively manage a major situation.</li> </ul>	Moderate	3	Rare	E	L
IN2	Sufficient First Aid equipment not available on-site causing competitor injuries to go untreated, resulting in further injury.	<ul style="list-style-type: none"> <li>On-water event managers to ensure appropriate first aid equipment is available in all on-water support vessels and rescue boats, and also ensure appropriate on-shore first aid that is supplied by the Council is made available throughout the duration of the event.</li> </ul>	Minor	2	Unlikely	D	L	Yes						

Risk Assessment

IN3	Competitors, coaches, rescue personnel or other volunteers and personnel do not know who to contact if an incident arises.	<ul style="list-style-type: none"> <li>• Ensure there is a competitor/support boat/rescue personnel induction and briefing each day of the event.</li> <li>• Ensure competitors are briefed on emergency procedures each day.</li> <li>• Coaches and parents support boat briefing if required.</li> <li>• Contact information displayed in event office/location and also in all rescue and support boats.</li> <li>• All relevant contact information displayed on the event website.</li> </ul>	Minor	2	Unlikely	D	L	Yes						
<b>Simultaneous Operations With Other Activities</b>														
SO2	Additional unforeseen events being run at the same time and in the same proximity (not necessarily related to Dockside on-water activity) which introduces new risks to race management and competitors.	<ul style="list-style-type: none"> <li>• Check other on-water sport calendars prior to the event to ensure no obvious clashes with other major events in the same area.</li> <li>• Stay in contact with the Council events team to ensure no major clashes with other sporting events in the local area.</li> <li>• On-water event managers to discuss mutual risks with all relevant officials for all on-water activities and sports as soon as possible, if required.</li> </ul>	Minor	2	Unlikely	D	L	Yes						