

Boating, including vessels, rafts, and canoes

Working and conducting research on boats poses a threat of drowning or vessel-related incident.



Cause #	Cause description
1	Failure of the vessel.
2	Fire on a vessel.
3	Displacement of oxygen.
4	Electrocution on vessel.
5	Severe weather events.
6	Access/egress of vessels at marinas.
7	Working at night.
8	Capsize of vessel.
9	Lack of competency of captain, boat crew.
10	Fall out of vessels including rafts, boats, canoes.

Preventive controls (reducing likelihood)	Critical/non critical	Cause #
(CC01) Personal Flotation Device: Wearing of a personal flotation device (PFD) where required by law and for all vessels less than 6m in length.	Critical	1, 2, 8, 10
(CC02) Licensed Vessels: Only SCU licensed commercial vessels and operators shall be used. Private vessels are not to be utilised by SCU employees. Vessel must be compliant and certified by AMSA.	Critical	1, 9
(CC03) Monitoring of Adverse Weather: Utilising weather alerts, prior to and during work in an open body of water.	Critical	5, 6
(CC04) - Pre-departure checks: Ensure all safety equipment, including life jackets, fire extinguishers, emergency beacons (EPIRBs), and communication devices, are present, accessible. Ensure the vessel is seaworthy and in good working order with all systems (engine, navigation, steering) functioning correctly.	Critical	1 – 10
(CC05) Personal Location Beacons and EPIRB: SCU employees shall carry location beacons when conducting outdoor activities in and around water and is remote and isolated.	Critical	1 – 10
Hazardous substances are stored in properly labelled containers to prevent spills and accidents.	Non-Critical	3
(CC06) Vessel Capacity: Vessel is loaded according to its capacity and stability requirements.	Critical	1
All boating activities must have a journey plan that is developed and followed, including emergency preparedness and emergency contacts.	Non-Critical	1 – 10
Access/egress from boats at marinas and pontoons shall be via fit for purpose gangway.	Non-Critical	6
Mitigating controls (reducing consequence)	Critical/non critical	Cause #
(CC07) Marine Scale First Aid Kit: SCU employees shall ensure a Marine Commercial F Scale first aid kit is readily accessible when working on water.	Critical	1 – 10

Potential to interact with other fatal risks	
Critical risk	Potential interaction
Remote and isolated work.	Delay in emergency response.
Animal.	Interaction with animals including sharks, crocodiles, jellyfish, sting rays.
Diving.	Boat failure when undertaking diving.
Working around and in water.	Use of boat on water body.