

## Appendix A: OURCs Summer VIIIs Rowing On Risk Assessment: 20/05/2016 or 22/05/2016

Updated 22 April 2016 - RQ

Hazard	Risk	Control measures in place	Person(s) responsible	Risk
<b>River Based</b>				
Collision with another racing boat	<p>Injury to rowers, Damage to equipment</p> <p>Can also cause immersion or capsize (see below)</p>	<p>OUCS-registered coxes only. Coxes to have attended a pre-event Coxing Briefing or be exempted by the Captain of Coxes.</p> <p>Circulation pattern available on the OURCs website for at least 1 week before the event.</p> <p>Circulation pattern outlined to marshals at a pre-event briefing, and repeated at briefings on the day.</p> <p>Adherence to the event circulation pattern during river closure enforced by marshals.</p> <p>Senior Umpire determines the gaps between crews at the start, adjusting them according to the expected speed of adjacent crews.</p> <p>Marshals instructed to klaxon a race if the river becomes blocked.</p> <p>All marshals on the racing line issued with klaxons.</p> <p>All marshals and race officials issued with radios.</p> <p>Bow balls fitted. Boats checked by marshals.</p> <p>At least one safety launch available, which can be summoned by radio.</p>	<p><b>Senior Umpire, Race Committee,</b> Crews, Captain, Coach, Cox.</p> <p><b>Crews are responsible for making their boatmen aware of repairs needed on boats.</b></p>	Low

Launches are equipped with British Rowing standard safety bags.

Launch drivers to hold at least RYA Powerboat level 2 or equivalent qualification.

Qualified First Aid cover employed with dedicated launch.

Emergency vehicle access secured.

There will be no use of boats without backstays.

Hazard	Risk	Control measures in place	Person(s) responsible	Risk
Collision with river traffic (or any object in the river)	<p>Injury to rowers, Damage to equipment</p> <p>Can also cause immersion or capsize (see below)</p>	<p>Pre-event contact made with other regular river users alerting them to the event.</p> <p>Signs displayed at the water entry points onto the course.</p> <p>Senior Umpire to check river is clear using marshals.</p> <p>Head marshal, Top Gut marshal and the most downstream marshal briefed to liaise with river traffic entering the course.</p> <p>Marshals briefed to make sure crews stick to the sides of the river, as shown by the circulation pattern, leaving the centre free. Head marshal equipped with megaphones to hail water users.</p> <p>Holding points exist at which to moor cruisers when a race is about to go off.</p> <p>Coxes briefed to observe the circulation pattern and not to spin in front of cruisers.</p> <p>Launch and medical cover as above.</p> <p>River-borne objects which could cause an obstruction removed if possible by launches/marshals. Crews either protected from larger immovable objects or racing suspended while they are removed</p>	<p><b>Senior Umpire, Race Committee,</b> Captain, Coach, Cox</p>	<p>Low</p>
Immersion	<p>Infection, Hypothermia, Drowning</p>	<p>All competitors must have passed an Oxford University standard swim test or equivalent.</p> <p>Marshals instructed to klaxon the race if someone is in danger in the water. All marshals issued with klaxons.</p> <p>Launch and medical cover as above.</p> <p>Blankets available on rescue launches and at boathouses. Rowers educated about river-borne diseases.</p>	<p><b>Race Committee,</b> Captain, Coach</p>	<p>Low</p>
Capsize	<p>Becoming trapped in boat, Immersion (see above)</p>	<p>Crew: Heel restraints fitted. Boats checked by marshals. Crews will be using stern-coxed boats only.</p>	<p><b>Crews,</b> Cox, Captain, Race Committee</p>	<p>Low</p>

<b>Hazard</b>	<b>Risk</b>	<b>Control measures in place</b>	<b>Person(s) responsible</b>	<b>Risk</b>
Over-exertion	Hyperventilation, pulled muscles, cramp, back injury.	Rowers should warm up on land before races and warm down and stretch as appropriate. Coaches and captains to take into account medical history when selecting crews. Rowers should not compete if they feel unwell or are injured.	Coach, Captain, Crew	Low
Use of Safety launches	Capsize	Stable launch to be used. Launch drivers to be qualified to RYA level 2 or equivalent.	Captain, Coach	Low
	Falling Out	Proper seating to be fitted, and launch not to be overloaded. Kill cords to be fitted and used at all times. Lifejackets to be worn at all times by all crew.	Captain, Boat Owner, Launch Crew	Low-Med
	Failure of engine due to fouling of propeller.	Crew to clear river of debris as appropriate. Launch to carry British Rowing recommended safety equipment, including a knife and paddle.	Captain, Launch Crew	Low
	Mechanical failure	Launch to be serviced regularly.	Boat Owner	Low

<b>Hazard</b>	<b>Risk</b>	<b>Control measures in place</b>	<b>Person(s) responsible</b>	<b>Risk</b>
Lightning	Craft struck by lightning on river. Race officials caught in the open during racing.	Race officials will monitor weather conditions. Distance of storm to be assessed using "30-30" system.	Senior Umpire, Race Committee	Low
High stream and/or high wind	Being swept onto obstacles, including bridges, bank, debris, or weirs. Swamping.	If blue flag is flying, only coxes and crews of appropriate experience will be allowed on the water. If amber or red flag is flying, then rowing on will be postponed or cancelled. Weather and stream to be monitored and consultation taken with EA.	Senior Umpire, Race Committee, Coach, Cox, Captain, Crew	Low-High, (depending on combination of conditions)
Low Visibility	Collision with other craft or the bank	If visibility is reduced to less than 100m on any part of the racing course then racing is suspended or cancelled.	Senior Umpire, Race Committee, Crew, Captain, Coach	Low-Med, (depending on conditions)
Ice on the water	Damage to Boats	Race officials and marshals to monitor weather conditions. Safety launches used to clear small quantities of ice from the racing course. Racing cancelled if launches cannot sufficiently clear the race course of ice.	Senior Umpire, Race Committee	Low

Hazard	Risk	Control measures in place	Person(s) responsible	Risk
<b>Land Based</b>				
Collision involving accompanying cyclists	Injury to cyclists and pedestrians, possibly immersion.	<p>Notices posted at all entry points onto the towpath that a regatta is in progress and to caution that there will be cyclists (lock, Donnington Bridge, University Boathouse and opposite Head of the River pub). Additional 'warning' signs about cyclists to be put along the Tow path.</p> <p>All bikes being used by bank riders and marshals should be suitably equipped to warn other Tow Path users (e.g. has a bell).</p> <p>Marshals to wear high visibility bibs.</p> <p>Marshals briefed to warn Race Desk if there is a large density of members of the public on the towpath in their area. Race Desk/Secretary to undertake follow up action (which may include appointing extra marshals to warn pedestrians about race-following cyclists).</p> <p>Marshals briefed to report dangerous behaviour on the part of following cyclists.</p> <p>Cyclists limited to one per crew.</p> <p>Bike Marshal to precede each division, warning members of the public that cyclists are approaching.</p> <p>First aid presence as above.</p> <p>Immersion – nearest marshal to be told and if imminent danger to person(s) immersed and/or towpath/river users, klaxon to be sounded.</p> <p>Race Committee briefed on emergency procedures. Follow Emergency Action Plan (Appendix F) if needed.</p>	Race Committee, Coach	Med

Collision between boats or blades and spectator	Injury to bystanders, immersion.	Captains aware of responsibilities for any supporters and spectators. Marshals available at boathouses with radios. First aid presence as above. Race Committee briefed on emergency procedures. Follow Emergency Action Plan (Appendix F) if needed.	Captain, Crew	Lo w
Ice on Towpath	Injury to bystanders or cyclists, possibly immersion	Senior Umpire and Race Secretary will discuss measures to make racing safe, which may include removing bank riders and crews that need them.	Race Committee, Senior Umpire	Lo w