

Power boating - On Site - Thames Young Mariners

	HAZARD	WHO MIGHT BE HARMED	RISK CONTROL MEASURES
General (see also site-specific general hazards)	All hazards	All participants and staff	All boats are supervised by a qualified instructor with the Royal Yachting Association (RYA). Level 2 Power Boating qualification. All drivers have a kill cord attached. All participants and staff must wear buoyancy aids. No planning on lake unless in an emergency. See 'general' risk assessment for Surrey Outdoor Learning (SOLD), centre.
Human	Collision with other craft	All participants and staff	Drivers are required to adhere to speed limits and where not advised maintain a safe speed on the water whilst remaining vigilant.
Human	Drowning capsize, falling overboard, falling in from bank	All Participants and Staff	Participants must wear buoyancy aids or life jackets. Staff to brief and supervise safe craft selection including size/capacity and condition, use, boarding and exiting craft and the water. Staff trained in recovery techniques via RYA guidance. Participants briefed to hold on, not move about when under way unless instructed too and in a man overboard and to shout swimmer/raise the alarm to the instructor. Kill cord worn by driver and tested before departure.
Environmental	Capsize	All participants and staff	No planning on lake unless in an emergency.
Equipment	TYM Lock gates closing on a boat	All participants and staff	All participants are under the supervision of qualified instructors who are all aware of the dangers involved. Staff aware of tide and impact on the gates to power boat/craft
Equipment	Mechanical failure	All participants and staff	Alternative means of propulsion kept in the boat, communication means if on the river or at sea. Test Kill cord before departure.

Equipment	Launching and recovery of boats	All participants and staff	Instructor / coaches to brief on good manual handling technique and ensure boats are manoeuvred with suitable numbers remaining side on above trolley wheels or uphill of any trolley/trailer/craft when on land and water. Use launching aids where required like a winch or tractor etc..
Equipment	Propeller impacting with person in the water	All participants and staff	Kill cord to be always attached and engine stopped when picking a man overboard up, no planning on the lake unless an emergency, RYA course or the lake is not in use.
Equipment	Entrapment and entanglement	All Participants and Staff	Participants to be taught correct rope and sheet practices and techniques. Supervised by instructor / coach. Any equipment carried should be appropriately secured with no long loose trailing lines or loops. Safety brief given on entrapment and entanglement. Staff are aware of the stages of rescue for entrapment: swift response, count heads, free the participants then rescue the participants. Staff to carry a knife that is easily accessible. Any lines should be kept short, tidy, elastic maintained so that fixtures and fitting do their job effectively