



Chelmarsh Sailing Club

Chelmarsh Sailing Club Risk Assessment: On the Water (incl SUP)

Version	H
Date of Assessment:	18-Sep-23
Assessed by:	David Bibby, Craig Jackson, Richard Woods

Area of Assessment:	On the water
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			SEVERITY of HARM (S)				
			1 Minor harm <i>(minor injury)</i>	2 Slightly harmful <i>(incapacitated for up to 3 days)</i>	3 Harmful <i>(incapacitated for over 3 days)</i>	4 Major harm <i>(eg loss of sight, broken limbs)</i>	5 Extreme harm <i>(fatality or fatalities)</i>
LIKELIHOOD	1	Highly unlikely	1	2	3	4	5
	2	Unlikely	2	4	6	8	10
	3	Possible	3	6	9	12	15
	4	Likely	4	8	12	16	20
	5	Highly likely	5	10	15	20	25



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Activity	Hazards	Before Control Measures			Control Measures in Place	After Control Measures			Further Action Required?	Related procedures
		Likelihood	Severity	Risk		Likelihood	Severity	Risk		
Sail Training	Crush injuries	3	3	9	Students instructed to keep hands inside the boat when approaching another boat or pontoons	2	2	4	No	Chelmarsh Sailing Club Training Operating Procedures
Sail Training	Entrapment	1	5	5	Safety boat on water manned by personnel with PB2 and First Aid certificates Safety boat to carry knife and wire cutters Instruction to be given on how to exit/breath if under sail as part of Level 1 training Senior Instructor to supervise capsized drill, with second instructor in the water	1	4	4	No	Chelmarsh Sailing Club Training Operating Procedures
Sail Training	Head injuries	3	4	12	Students to be instructed to "duck" when tacking or gybing Dinghies with "high boom" to be used for learn to sail training All head injuries reported to Senior Instructor and reported in accident book First Aider and Senior Instructor to access if medical treatment necessary	1	4	4	No	Chelmarsh Sailing Club Training Operating Procedures
Sail Training	Hyperthermia	3	4	12	Instructor brief students on appropriate clothing and dangers of hyperthermia Instructors to monitor students and if getting hot suggest removing layers or bring to shore for break and drink	1	3	3	No	Chelmarsh Sailing Club Training Operating Procedures



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Sail Training	Slip injuries	3	4	12	Senior Instructor to inspect pontoons prior to training session and delegates brushing or washing if necessary Students warned of dangers of slipways, walkways and pontoons, including boat launching and boat access from pontoon Students and instructors to wear non slip footwear and walk on pontoons (no running) Handrails installed on all pontoon bridges Steps painted with white edging Pontoons washed down as required Anti-slip matting installed on west slipway to be checked regularly for weed/algae build up and cleaned as necessary Instructors trained in first aid and first aid kits quickly accessible Hospital telephone numbers and telephone available in clubhouse	2	3	6	Reviewed following racing incident. Investigate possibility improvement of self-recovery options by Bosun.	Chelmarsh Sailing Club Training Operating Procedures
Leisure Sailing	Crush injuries	2	3	6	Helm or crew should be experienced sailors, or novices arrange for someone with experience to be available to be aware of risks of	1	2	2		Leisure Sailing Procedure
Leisure Sailing	Entrapment	1	5	5	Safety boat on water with trained personnel available (See Buddy Sailing Policy) or boat fully manned with trained personnel (minimum PB2 or assessed by powerboat instructor) Safety boat to carry knife and wire cutters Individual sailors carry own addition equipment eg knife, whistle	1	4	4		Leisure Sailing Procedure Buddy Sailing Rules Safety On Water Rules List of authorised powerboat users
Leisure Sailing	Head injuries	2	4	8	Helm or crew should be experienced sailors, or novices arrange for someone with experience to be available to be aware of risks of sailing. Sailors to make own assessment if head protection to be worn	1	4	4	New sailors have greater risk of being struck by boom	Leisure Sailing Procedure



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Leisure Sailing	Hyperthermia	2	3	6	Sailors responsible for their own protection eg hat, correct clothing, drinking enough fluids	2	3	6		Leisure Sailing Procedure
Leisure Sailing	Hypothermia	1	3	3	Wetsuit or dry suit to be worn between 1st October and 31st March Warm showers available in club house Grab bag with blankets etc - by carpark door	1	3	3		Leisure Sailing Procedure
Leisure Sailing	Immersion	2	5	10	Safety boat on water with trained personnel available (See Buddy Sailing Policy) or boat fully manned with trained personnel (minimum PB2 or assessed by powerboat instructor) Compulsory wearing of buoyancy aids for all water users Helm or crew should be experienced sailors, or novices arrange for someone with experience to be available to be aware of risks of	1	4	4		Leisure Sailing Procedure Buddy Sailing Rules Safety On Water Rules List of Authorised powerboat users
Leisure Sailing	Slip injuries	3	4	12	Sailors to wear non slip footwear and walk on pontoons (no running) Handrails installed on all pontoon bridges Steps painted with white edging Pontoons washed down as required Anti-slip matting installed on west slipway to be checked regularly for weed/algae build up and cleaned as necessary Hospital telephone numbers and telephone available in clubhouse	2	3	6	Reviewed following racing incident. Investigate possibility improvement of self-recovery options by Bosun.	Leisure Sailing Procedure
Racing	Crush injuries	2	3	6	Experienced sailors aware of risk	2	2	4		
Racing	Entrapment	2	5	10	Helm or crew should be experienced sailors, or novices arrange for someone with experience to be available to be aware of risks of sailing. Safety boat on water with trained personnel available (See Buddy Sailing Policy) or boat fully manned with trained personnel (minimum PB2 or assessed by powerboat instructor)	2	4	8		Buddy Sailing Rules Safety On Water Rules List of authorised powerboat users



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Racing	Head injuries	2	4	8	Helm or crew should be experienced sailors, or novices arrange for someone with experience to be available to be aware of risks of sailing. Sailors to make own assessment if head protection to be worn All head injuries reported to Officer of Day and reported in accident book	1	4	4		
Racing	Hyperthermia	2	3	6	Officer of day to ensure sufficient breaks in racing to allow drinking in hot conditions Sailors responsible for their own protection eg hat, correct clothing, drinking enough fluids	1	3	3	OOD Refresher Training?	
Racing	Hypothermia	1	3	3	Wetsuit or dry suit to be worn between 1st October and 31st March Warm showers available in club house Grab bag with blankets etc - by carpark door	1	3	3		
Racing	Immersion	3	4	12	Safety boat on water with trained personnel available (See Buddy Sailing Policy) or boat fully manned with trained personnel (minimum PB2 or assessed by powerboat instructor) Officer of Day responsible to cease racing or increase safety boat cover in adverse conditions or due to numbers racing, Safety boat crew can ask for racing to cease if feel unsafe VHF radios mandatory for safety boat, OOD and shore contact Compulsory wearing of buoyancy aids for all water users	1	4	4	OOD Refresher Training?	Buddy Sailing Rules Safety On Water Rules List of Authorised powerboat users



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Racing	Slip injuries	3	4	12	Officer of Day to inspect pontoons prior to sailing and delegates brushing or washing if necessary sailors to wear non slip footwear and walk on pontoons (no running) Handrails installed on all pontoon bridges Steps painted with white edging Pontoons washed down as required Anti-slip matting installed on west slipway to be checked regularly for weed/algae build up and cleaned as necessary Safety Team trained in first aid and first aid kits quickly accessible Hospital telephone numbers and telephone available in clubhouse	2	3	6	Reviewed following racing incident. Investigate possibility improvement of self-recovery options by Bosun.	



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		Likelihood	Severity	Risk		Likelihood	Severity	Risk		
Lone Sailing	Unable to recover in case of medical emergency or injury	3	5	15	Lone Sailing is not permitted under any circumstances	0	5	0		
SUP	Immersion	2	5	10	User must wear board tether and PFD, buddy must be aged 16 or over and remain within 30m of each other, as per SOP (exception for race training by experienced SUP users where users must have line of sight with buddy) No lone paddling SUP Training (Walk On Water minimum) required prior to access to water for all members and guests.	1	4	4	No	SUP Operating Procedure
SUP	Hypothermia	2	4	8	Wetsuit or dry suit to be worn between September and 31st March (water temp below 12'C) Warm showers available in club house Grab bag with blankets etc - by carpark door	1	4	4	Thermometer for water temp	SUP Operating Procedure
SUP	Hyperthermia	1	4	4	SUP Training (Walk On Water minimum) required prior to access to water	1	4	4	No	SUP Operating Procedure
SUP	Entrapment	2	4	8	Risk is inherently low as flowing water only exists around the intake and outlet points of reservoir. All club boards are fitted with quick release tethers and SUP training covers use of these, to avoid SUP close to water inlet and outlet points and recommendation to use quick release tethers on own boards.	1	4	4	Update SUP Operating Procedure	



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SUP	Head injuries	2	4	8	No paddling standing up in shallow water and dangers of submerged tree trunks along south side covered as part of SUP induction. No launching from pontoon SUP Training (Walk On Water minimum) required prior to access to water	1	4	4	Add pontoon issue to SOP	SUP Operating Procedure
SUP	Crush injuries	1	3	3	No launch from pontoons	1	3	3	No	SUP Operating Procedure
SUP	Cut feet	2	3	6	SUP users to wear footwear to launch area, barefoot on boards is permitted, however due to presence of mussel shells on the beach, wearing of footwear at all times is advised	1	3	3	Monitor mussel shell build up on beach area.	SUP Operating Procedure
SUP Training	All above	2	5	10	Only Qualified SUP Instructors Training ratios as SUP SOP	1	4	4	No	SUP Operating Procedure
Lone SUPing	Unable to recover in case of medical emergency or injury	3	5	15	Lone SUP is not permitted under any circumstances	1	5	5	South Staffs asked to review unauthorised SUP from other parts of reservoir	SUP Operating Procedure
Model Yacht Racing	Collision with other water users	3	1	3	Designated sailing area	1	1	1	Area tested by DP for hazards	Model Yacht Procedure
Model Yacht Racing	Slip Injuries	1	4	4	Use of buoyancy aids on pontoons Improved access from bank area	1	4	4		Model Yacht Procedure
Launch all vessels	Manual handling	1	3	3	Two person boats to be launched by two people Two persons required for stacking of SUPs in storage container Take care not to overcrowd launch slipways. Officer of Day to consider for busy Open Race Meetings	1	3	3		



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All water activities	Lightning strike to boat on water	1	5	5	No sailing when thunderstorms in immediate vicinity of reservoir. Senior Instructor or Officer of Day to clear water if thunder heard Leisure sailors during week coordinator group and Saturday sailors controlled by safety boat team	1	5	5		
Power Boat	Crew ejected from powerboat	2	4	8	Helm to communicate to crew prior to starting off or accelerating boat Helm to ensure crew are properly seated and holding on	1	4	4		Chelmarsh Sailing Club Training Operating Procedures
Power Boat	Fuel handling and fire	1	4	4	Fire extinguisher on each power boat No fuel transfers on the water No smoking on boats	1	4	4		Chelmarsh Sailing Club Training Operating Procedures
Power Boat	Injury from propeller or struck by powerboat	3	5	15	All power boat users to be authorised, list displayed in galley (either Power Boat Level 2 Trained or Assessed by RYA Instructor). Only exception is users under direct instruction as part of RYA course or assessment Kill Cord to be worn by helm when engine is running All users instructed to stop engines when near to persons in the water and keep engine away from person at all times	1	5	5	Refresher for powerboat users planned Nov 2023	Chelmarsh Sailing Club Training Operating Procedures List of authorised powerboat users
Power Boat	Manual handling	1	3	3	Powerboat crews to request assistance with launch and recovery of boat, particularly the larger Jaffa Engines generally left on boats - Bosun to be consulted if engine removal is required	1	3	3		Chelmarsh Sailing Club Training Operating Procedures
Power Boat	Safe Use of Engines	1	3	3	PB2 Training includes safe starting and operating procedures for engines on all club powerboats. When new equipment is introduced changes are circulated via TGIF or if required hands on training provided.	1	3	3	Instructions for new Yamaha engine communicated via TGIF	



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General	Blue Green Algae	1	4	4	Reservoir users to be warned if blue green algae present	1	4	4	South Staffs discussion	
General	Child abuse or child abuse allegations	3	4	12	Child Protection Office appointed by club Child protection policy in place for club Instructors and assistants working with children to sign they have read and understood the policy and DBS Checked	1	4	4	No See club child protection policy	Chelmarsh Sailing Club Child Protection Policy
General	Invasive Species	3	3	9	SUP Boards and boats should be washed down and dried for 48 hours prior to relaunch when brought to site from another area, or when removed from Chelmarsh for Sailing elsewhere Particular issues to be advised on club noticeboards	1	3	3	Environmental issues mainly	
General Sailing	Medical Emergency	2	5	10	Safety boat on water with trained personnel available (See Buddy Sailing Policy) or boat fully manned with trained personnel (on authorised powerboat user's list) to get person off the water Emergency procedures are displayed in clubhouse Senior Instructor or Officer of Day to lead incident response List of trained club first aiders maintained and displayed on club notice boards. First aid kits and defibrillator located in lobby of sailing club under stairs. Telephone and emergency contact details displayed by phones in clubhouse (in bar and by carpark door)	2	4	8		Chelmarsh Sailing Club Emergency procedure List of Authorised Power boat users
General SUP	Medical Emergency	2	5	10	Buddy SUP must have mobile phone with them in waterproof bag See SUP operating procedure and box above	2	5	10	No	SUP Operating Procedure



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General	Reservoir outlet and inlet	1	1	1	Water outlet is guarded and fenced, users should not approach within 1 m Water inlet creates a "current" when pumping in occurs, this can be quite strong and Instructors should advise students and Officer of Day should cover in race briefing for Open Events	1	1	1		
General	Weill's Disease (and other water borne pathogens and Avian Flu)	3	4	12	Cuts to be covered by waterproof plasters Water users to avoid water ingestion if in reservoir Water users encouraged to wash hand before eating and shower at end of day Clothing and boots not to be washed in club sinks or showers. Known issues to the advised on club notice boards and social media via H&S Officer Instructors to brief students of risks	1	4	4		Senior Instructor briefing checklist
General	Sunburn and associated risks	3	1	3	Instructors should 'recommend' to adults and 'strongly recommend' to children that they apply a high-factor sun cream before training sessions, and frequently throughout the day. Instructors to build in regular shade opportunities in periods of strong sunlight, wearing hats and sunglasses recommended. Experienced sailors to take own precautions	2	1	2	Sailors responsible for providing own sun cream	Senior Instructor briefing checklist