

Glasgow Rowing Club
RowSafe Scotland

Headline Risks/Hazards and Mitigations (Draft 6 - Work in Progress)
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General hierarchy of actions/measures/mitigations:
Eliminate
Reduce
Inform
Control

Safety First - Do it Safely, or Don't Do it at all
Please be Careful
If in doubt, Stop and Ask.

RISK / HAZARD	ISSUES / RISKS	LIKELY WORST CASE OUTCOMES	WORST CASE RESPONSE (Avoid)	INFORM & CONTROL (Shorter Term?) (Accept current risk/hazard)	REDUCE (Medium Term?) (Accept a reduced risk / hazard)	ELIMINATE (Longer term?) (Remove Risk / Hazard)
Out On the River - Clyde Rules & Guidelines	Combination of: - Exercising on water / Risk of Drowning - Risk of entrapment in boats - Risk of collisions with others (boats/blades) - Risk of impacts from others (boats/blades)	Death by drowning Permanent paralysis through spinal trauma Significant musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc) Injury to others on the river	River OFF LIMITS - no access to the water? Close GRC / Clyde?	Raise awareness - PLEASE be CAREFUL. Remind all members to read the GHS 'Rules and Guidelines'. 'Rules and Guidance' located around the club. GRC-specific rules & guidelines. It's a busy river. It's a narrow river. It's a winding river. There are SO many potential hazards. Boats heading downstream might be doing race-pace pieces. We do accept a level of risk in taking part in an activity in which we know there are risks. Probably limited to a reasonable level of risk. Legal concept of 'Volenti non fit injuria'.	Instigate club safety briefings - regular crew/group/club re-fresh sessions on the GHS Rules & Guidance? Instigate joint safety refreshers with other river users / clubs? Instigate discussion with GHS and all local river users to update the Rules & Guidelines? Instigate safety briefings to all visitors (esp events)? 'River Marshall(s)' at busy times?	Instigate 'Competency' system - briefings and tests? Instigate 'three strikes' system - more regular briefings for repeat offenders? Instigate 'Precessional Training' (upstream only / downstream only) timings? Can't 'Eliminate' totally. So 'Reduce' only.
Facilities (Boathouse) - Boats Racked Up High	Combination of: - Manual Handling / Heavy Lifting - Activities at Height / Falls from Height - Use of Equipment (steps and blocks)	Death by cranial trauma Permanent paralysis through spinal trauma Significant musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc) Injury to others nearby	Any boats above head height (ie requiring steps and/or blocks for access) OFF LIMITS? Close GRC?	Raise awareness - PLEASE be CAREFUL. Ask for help (before you start) - eg more than 2 to lift a double/pair down/up; more than 4 to lift a quad/four down/up. Know how to use the steps and blocks. Pass boats up/down rather than trying to climb up/down with them. HIGHER AND WIDER STEPS ARE ON ORDER - DELIVERY ANTICIPATED MAY 2024	Develop a 'Lift Plan' for each specific boat? Limited number of members allowed to access and store high boats? Re-arrange boat storage so that only smaller and lighter boats are above head height? Mechanical lifting?? Buy more steps? 'Boathouse Marshall(s)' at busy times?	Generate more boat storage space so that no boats are stored above head height? Get rid of the steps and blocks? Get rid of some boats? Mechanical lifting? Could potentially 'Eliminate' eventually.
Facilities (Riverside Steps)	Combination of: - Manual Handling / Heavy Lifting - Activities at Height / Falls from Height - Activities near Water / Risk of Drowning	Death by cranial trauma Death by drowning Permanent paralysis through spinal trauma Significant musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc) Injury to others nearby	Steps OFF LIMITS - no access to the water? Close GRC?	Raise awareness - PLEASE be CAREFUL. First crew out to clean the steps (ideally 2 people present). Use clear verbal instructions. Avoid over-crowding and 'stuff': - crews coming in. - crews waiting. - crews going out. - boats and equipment left lying around.	Replace / improve the timbers? Improve drainage to reduce silt build-up? Lay paving slabs on soft ground? Staggered boating times? Step marchalls at busy times? ADDITIONAL GRAVEL ADDED FEBRUARY 2024 TO IMPROVE 'SOFT' GROUND BETWEEN THE GATES AND STEPS	Install handrails to improve accessibility for all? Can't 'Eliminate' - unless we get a pontoon and linkspan bridge. So 'Reduce' only
Facilities (Boathouse) - Loft Storage Poor access and egress Unprotected edges	Combination of: - Manual Handling / Heavy Lifting - Activities at Height / Falls from Height - Use of Equipment (ladders)	Death by cranial trauma Permanent paralysis through spinal trauma Significant musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc) Injury to others nearby	Loft area OFF LIMITS? Close GRC?	Raise awareness - PLEASE be CAREFUL. 'No Unauthorised Access'. Access & egress are difficult. There's limited edge protection. Ask for help (before you go up).	Install edge protection. PARTIAL EDGE PROTECTION INSTALLED FEB/MARCH 2024 Install better access & egress means? Get rid of some stuff? Move some stuff (to containers?).	Generate more general storage space? To 'Eliminate' would need a lot more new storage. Most likely just 'Reduce' (for now).
Facilities (Boathouse) - Overcrowding - esp in main boat bay/thoroughfare.	Minor collisions (people / equipment)	Minor injuries	RESTRICTED ACCESS - rota system for all groups and crews.	Raise awareness - PLEASE be CAREFUL. Give yourself enough space. Give others enough space. 'Boathouse Marshall(s)' at busy times?	Advise crews on ergs in main boat bay to line up on one side, to allow a thoroughfare? Use boards/barriers to direct others to the clubhouse side door?	Generate more space all round so we're not over-crowded? Can't 'Eliminate' completely. Could 'Reduce' significantly.
Facilities (Boathouse) - Slips, Trips and Falls	Slips / trips / falls	Musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc)	RESTRICTED ACCESS - rota system for all groups and crews.	Raise awareness - PLEASE be CAREFUL. Sort out the storage? Get rid of some stuff? Move some stuff (containers?).		Generate more general storage space? Can't 'Eliminate' completely. Could 'Reduce' significantly.

Facilities (Boathouse) - General	Shock / gas / fire / collapse	Multiple casualties from catastrophic event.	RESTRICTED ACCESS	Carry out HSE Facilities inspection (by members): - car park. - paths, ramps, steps. - lighting. - mats. - clutter. - electrics. - shelving cupboards signs notice boards - flooring. - doors glass - stairs - elec equipment and services and checks - gas equipment and services and checks. - asbestos - fire alarms drills - fire fighting and hydrants - water supply / legionella Establish a Facilities Management Plan? (Handy if/when procuring works on the facilities)		
Facilities (Boathouse) - Notice boards	Members forgetting key issues			Refresh posters and notice boards around clubhouse. Remind members on emails and through website.	Install demountable notice boards to outside of boathouse (on 'doors' end of boat bays)	
Facilities (Outside areas) - Winter response	Slips / trips / falls	Musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc)		Ensure sufficient grit/salt is available. Ensure grit/salt is applied when required.		
Facilities (Outside areas) - GRC sewage pumping chamber	Below ground structure. Mechanical & electrical equipment Contact with sewage.			If in doubt, STOP and ASK.		
Facilities (Outside areas) - Scottish Water pumping chamber	Below ground structure. Confined Space. Mechanical & electrical equipment. Deep water.			If in doubt, STOP and ASK.		
Equipment - Boats, Blades, etc (Checks)	Equipment failure during use	Increased risks on the water		Crews to carry out checks prior to each outing. Checklist in clubhouse.		
Equipment - Boats, Blades, etc (Repairs)	Equipment failure during use	Increased risks on the water		Any repairs/maintenance to be written into boat book.		
Equipment - Blades (Storage)	Blades falling onto members/visitors/guests	Trauma injuries		Check all blades are secure in storage		
Equipment - Life Jackets	Equipment failure during use Equipment contributing to entrapment			Coxes (and other users) to carry out checks prior to each outing. Checklist in clubhouse. Club to carry out checks/service annually. ANNUAL SERVICE/CERTIFICATION CURRENTLY IN PROGRESS - LIFE JACKETS AWAY IN BATCHES		
Equipment - Using the Gym and Ergos		Musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc)		Reminders in gym.		
Equipment - Trailer (checks and towing)	Trailer unfit for public highway Vehicle unfit for towing			See checklist in SR RowSafe (7.2) See National Trailer & Towing Assoc Guide See DVSA checks See Licence requirements See Boat Transport guidance (Links via GRC website, safety section)		
Equipment - Trailer (loading - low level)	Boats not secured.			Competent person to prepare loading plan Ensure loading plan is followed.		
Equipment - Trailer (loading - high level)	Activities at height / Falls from Height Boats not secured.			Ensure loading plan is followed. Ensure sufficient steps and/or blocks are available to load and unload top level.		
Equipment - Radios				Check prior to each use		
Equipment - Rescue Boat(s)				The riverside steps do not afford easy access for launches. In line with the Clyde Guidelines, a rescue craft (tub-double) is maintained in readiness at GRC facilities when GRC boats are on the water. GRC has one small craft (rigid inflatable) which can be fitted with an outboard motor. This craft is only suitable for carrying a single person and is not suitable as a main rescue craft. The craft is used for additional head race cover and very occasional coaching sessions. This craft is not part of the day-to-day operational or safety cover at GRC. When deployed on the water this craft does carry a throw rope and space blankets. The craft is only operated by a small number of GRC members with appropriate experience of safe operation		

Equipment (Drones)	Injury to rowers/public from falling drones	Musculo-skeletal injuries (bone breaks, muscle ruptures, joint dislocations, etc)	No use of drones.	Drones only to be operated by experienced users with adequate (or preferably enhanced) licencing and insurance.	
Equipment (General)					Establish an Equipment Management Plan?
Personal - Health and Fitness (General)				Its rowing - its hard work. Advise squad leaders of any issues.	
Personal - Health and Fitness (Swimming)				Non-swimmers should advise squad leaders and wear an appropriate life jacket.	
Personal - Health and Fitness (Adaptives)	Difficulties in any members with additional or alternative needs.			Consult relevant squad leader.	
Personal - Health and Fitness (Injuries)				Advise squad leaders / crews on the day	
Personal - Health and Fitness (Mobility)				Advise squad leaders / crews on the day	
Personal - Health and Fitness (Health)				Advise squad leaders / crews on the day	
Personal - Health and Fitness (Illness)				Advise squad leaders / crews on the day	
Personal - Clothing				Avoid loose clothing. Ensure clothing is appropriate for weather and conditions.	
Incident Response - First Aid (minor)				First Aid boxes in clubhouse. Maintain list of First Aiders.	
Incident Response - First Aid (major)				See Emergency Response.	
Incident Response - In the Water				See info sheet in clubhouse	
Incident Response - Cold Water				See info sheet in clubhouse	
Incident Response - Sunburn, Heat Illness				See info sheet in clubhouse	
Incident Response - Infections & Diseases				See info sheet in clubhouse	
Incident Response - Concussion				See info sheet in clubhouse	
Incident Response - Collapse				See info sheet in clubhouse	
Incident Response - General				Fill in Incident Log in the clubhouse	
Emergency Response - River				TBC	
Emergency Response - Facilities				TBC	
Emergency Response - Travelling				TBC	
Emergency Response - Away from GRC				TBC	
Emergency Response - Personnel on standby?				TBC	
Competitions - GRC events				Follow event safety plan	
Competitions - other Clyde events				Follow event safety plan	
Competitions - elsewhere				Follow event safety plan	
Travelling - Towing Vehicle & Driver				See checks under Equipment - Trailer	
Travelling - Arrangements				Clear written and verbal instructions	
Security - Facilities				Ensure club is secure prior to leaving.	
Security - Personal				Avoid late night	
Out on the River - Steering/Navigation (coxes)				TBC	
Out on the River - Steering/Navigation (crew)				TBC	
Out on the River - Capsize Drill				Regular drills carried out	
Out on the River - Boat/Equipment Recovery				TBC	
Organisation - Squads/squad leads				TBC	
Organisation - Coaching				TBC	
Organisation - New members (experienced)				Assign to experienced squad	
Organisation - New members (new to rowing)				Assign to development squad	
Organisation - Adaptive / Inclusive				Assign to nominated leader	
Organisation - GRC Juniors				Assign to nominated junior leader	
Organisation - Other Juniors / schools				Under control of nominated leader from organisation	
'Normal rowing' activities					
Racking/Lifting/Carrying boats (low level)				Please be careful	
Racking/Lifting/Carrying equipment (low level)				Please be careful	
Crossing the towpath with boats and equipment				Please be careful	
Accessing the GRC storage containers				Please be careful	
'Normal life' activities					
Travelling to GRC (walk/bike/bus/car)				Please be careful	
Parking at GRC				Please be careful	
Walking around GRC (flat /steps/gravel)				Please be careful	
Using the kitchen at GRC				Please be careful	
Using the changing rooms at GRC				Please be careful	