| Risk Assessment |               |                 |        |               |
|-----------------|---------------|-----------------|--------|---------------|
| Event           | BUCS Head     | Date: 10/12/23  | Dec-23 |               |
| Author          | David Robinso | Rev: 10/12/2023 | 1      | BRITISHROWING |

|     |   | Reduce probability a Haz   | zard causing a Hazardous<br>ent   |   | Reduce th  | e Severity of Harm  |   |                | E)                | (1/5,                   |                 | Acti      | on Ow               | ners                            |
|-----|---|--|---|---|--|---|---|----------------|-------------------|-------------------------|-----------------|-----------|---------------------|---------------------------------|
| No: | Hazard  | Barriers   | Action to maintain<br>barriers  | Hazardous Event                                       | Controls   | Action to maintain controls   | Harm  | Severity (1-5) | Probability (A-E) | Level of Risk (L/M/S/I) | Event Committee | Event RSA | Safety Boat Drivers | Control<br>Commissions<br>other |
|     |   | •  |   | •   | Water  | •   |   |                | -                 |                         |                 |           |                     |                                 |
| 1   | Boats afloat for practice                         | Coaches and crews must have read<br>the Safety Briefing and circulation<br>plan before going afloat for practise<br>or racing.   | Prepare and provide safety briefing<br>and inform coaches and crews that<br>they must read it.              | Capsize or sinking during practice                    | Safety plan and instructions to<br>competitors advise crews that they<br>must not go afloat unless there is a<br>rescue boat on the course.                          | Send Safety plans to clubs and instruct them to<br>inform their crews. Display safety plan.   | Cold water immersion leading to mild<br>hypothermia | 2              | С                 | Low                     | x               |           |                     |                                 |
| 2   |   |  |   |   | Local instructions to be issued<br>informing crews that there will be<br>no safety cover during practice and<br>that any outings are undertaken at<br>their own risk |   |   |                |                   | #N/A                    | x               |           |                     |                                 |
| 3   | Boats afloat for racing                           | Coaches and crews must have read<br>the Safety Briefing and circulation<br>plan before going afloat for practise<br>or racing.   | Prepare and provide safety briefing<br>and inform coaches and crews that<br>they must read it.              | Capsize or sinking during a race                      | Land marshals and marshalling<br>boats in place covering the whole<br>race course.   | Marshals to have megaphone to communicate<br>with crews and two-way radio contact with<br>Safety Boats and Marshalling boats                              | Cold water immersion leading to mild<br>hypothermia | 2              | С                 | Low                     | x               | x         |                     |                                 |
| 4   |   |  |   |   | A fully equipped rescue launch<br>manned by lifesavers is also in<br>attendance at all times.  | Ensure that there is sufficient safety cover.<br>Check equipment prior to use.  |   |                |                   | #N/A                    | x               |           |                     |                                 |
| 5   |   |  |   |   | Coxes' life jackets checked by crews prior to going afloat to race.  | Ensure that Umpires checking equipment have<br>instructions and a checklist. Umpires to conduct<br>spot-checks on equipment and lifejackets               |   |                |                   | #N/A                    |                 |           |                     | x                               |
| 6   | Rough Water                                       | Review of conditions in the week<br>leading up to the competition and<br>before boating each division  | Organising committee and club RSA<br>to liaise with RRSA  | Swaping/capsize                                       | Procede with shorter course,<br>avoiding areas of danger. Cancelling<br>division or event if this is not<br>possible.  | Ongoing assessment of conditions before and during event  | Cold water immersion leading to hypothermia         | 2              | с                 | Low                     | x               | x         |                     |                                 |
| 7   | Too little water                                  | Arrange event so that there is at least<br>1m water for an hour before and<br>after each division  | Consult Port of Tyne tide tables  | Landing or collision with rocks                       | Crews to return to shore and assess<br>extent of damage  |   | Damage to equipment                                 | 3              | а                 | Low                     | x               | x         |                     |                                 |
| 8   | Large debris in water following<br>heavy rain     | Monitor weather leading up to event.<br>Assessment of course prior to<br>boating first division by launch crew.<br>Crews and marshals to maintain good<br>lookout.                     | Ongoing assessment of conditions.   | Collision with object                                 | Crews to return to shore and assess extent of damage or injury.  | Rescue launches to tow crews backif they are<br>unable to get back under their own power.<br>Administer first aid. Call emergency services if<br>needed.  | Injury to athlete. Damage to equipment.             | 3              | b                 | Low                     | x               | x         | x                   |                                 |
| 9   | Boats in trouble<br>(Swamping/collision/ landing) | Marshals with megaphones and 2-<br>way radios located at key points of<br>the course to be vigilant for potential<br>collisions and to take actions to<br>minimise any collisions.     | All crews to maintain good lookout<br>and shout warnings to encroaching<br>crews                            | Collisions with other crews                           | Crews to return to shore and assess extent of damage or injury.  | Rescue launches to tow crews backif they are<br>unable to get back under their own power.<br>Administer first aid. Call emergency services if<br>needed.  | Injury to athlete. Damage to equipment.             | 3              | b                 | Low                     |                 |           | x                   |                                 |
| 10  | Inexperienced crews and coxes                     | All crews to read pre-event<br>information and adhere to<br>instructions from marshals. Marshals<br>placed down course to advise crews<br>which way to move (eg Port or<br>Starboard). | Coaches to assess competence of<br>crews prior to entry and restrict<br>entries to those not yet competent. | Obstruction leading to collision with boat<br>or bank | Crews to return to shore and assess extent of damage or injury.  | Rescue launches to tow crews back if they are<br>unable to get back under their own power.<br>Administer first aid. Call emergency services if<br>needed. | Injury to athlete. Damage to equipment.             | 3              | c                 | Moderate                |                 |           | x                   | x                               |
| 11  | Crews stopping on finish line                     | Finish judge and marshals to use<br>megaphones to keep crews moving.<br>Instructions in pre-event information.   | Marshalling launch past finish line   | Collision   | Crews to return to shore and assess extent of damage or injury.  | Rescue launches to tow crews back if they are<br>unable to get back under their own power.<br>Administer first aid. Call emergency services if<br>needed. | Injury to athlete. Damage to equipment.             | 3              | c                 | Moderate                |                 |           | x                   | x                               |

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|     |  |   | zard causing a Hazardous<br>ent   |   | Reduce th   | e Severity of Harm  |  |                | -E)               | (1/5/                   |                 | Actio     | on Ow               | ners                   |       |
|-----|--|---|---|---|---|---|--|----------------|-------------------|-------------------------|-----------------|-----------|---------------------|------------------------|-------|
| No: | Hazard   | Barriers  | Action to maintain<br>barriers  | Hazardous Event                                 | Controls  | Action to maintain controls   | Harm   | Severity (1-5) | Probability (A-E) | Level of Risk (L/M/S/I) | Event Committee | Event RSA | Safety Boat Drivers | Control<br>Commissions | other |
| 12  | Fast-moving tide or stream   | Marshals in areas of congestion (start<br>and finish areas) to help crews avoid<br>potential collisions   | Marshals to have megaphones   | Crews unable to control boat, causing collision | Crews to return to shore and assess<br>extent of damage or injury.  | Rescue launches to tow crews back if they are<br>unable to get back under their own power.<br>Administer first aid. Call emergency services if<br>needed.           | Injury to athlete. Damage to equipment.  | 3              | b                 | Low                     |                 |           | x                   |                        |       |
| 13  | Returning crews on path of racing crews                                  | Racing crews advised to keep to<br>Southern middle arch through<br>Newburn bridge and to maintain<br>position on the river past the bridge.<br>Returning crews to keep to North<br>bank after turning.  | Marshals and umpires on Newburn<br>bridge, on finish line and on the<br>water in this area  | Collision                                       | Crews to return to shore and assess<br>extent of damage or injury.  | Rescue launches to tow crews backif they are<br>unable to get back under their own power.<br>Administer first aid. Call emergency services if<br>needed.            | Injury to athlete. Damage to equipment.  | 3              | c                 | Moderate                |                 |           | x                   |                        |       |
|     |  |   |   |   | Weather   |   |  |                |                   |                         |                 |           |                     |                        |       |
| 1   | Sudden bad weather causing un-<br>rowable and/or dangerous<br>conditions | Any umpire or other key race official<br>will stop racing. Any crews on the<br>water will be moved into the most<br>sheltered area and shepherded back<br>to the landing stages by umpire<br>launches and rescue boats.                                   | Use of contingency<br>documents/cancellation plans  | Boats capsize or are swamped                    | A fully equipped rescue launch<br>manned by lifesavers is also in<br>attendance at all times as well as the<br>Rowing Club safety launch. Both<br>safety launches are in 2-way radio<br>contact at all times. | Ensure that there is sufficient safety cover.<br>Check equipment prior to use. All marshalling<br>boats to have up to date 'launch bags' including<br>foil blankets | Cold water immersion leading to mild<br>hypothermia                                    | 3              | c                 | Moderate                | x               | x         |                     |                        |       |
| 2   |  |   |   |   | Coxes' life jackets checked by crews<br>prior to going afloat to race.<br>Particular attention paid to "front<br>loader" boats (unlikely to be many<br>of these at this regatta).                             | Ensure that Umpires checking equipment have<br>instructions and a checklist. Umpires to conduct<br>spot-checks on equipment and lifejackets                         |  |                |                   | #N/A                    |                 |           |                     | x                      |       |
| 3   | Possibility of electrical storm  | Provisions laid down in the document<br>"Developing an action plan for risk<br>from lightning" available from British<br>Rowing to be followed:-  | Ensure that Marshals, Umpires,<br>Coaches and crews are adequately<br>briefed.  | Rower or official struck by lightning           | Provisions for first aid, medical<br>treatment, and casualty evacuation<br>to hospital.   | Ensure that first aiders, etc., are competent and properly equipped.  | Electrical burns, shock  | 3              | b                 | Low                     | x               |           |                     |                        |       |
| 4   |  | "Suspension and resumption of<br>racing should follow the 30/30 rule:<br>racing should stop when the flash-to-<br>bang count is 30 seconds, and should<br>not resume until 30 minutes after the<br>last lightning."                                       | Any variation from 30/30 rule to be<br>agreed unanimously by Event<br>Chairman, Safety Adviser, Starter.<br>Race Committee Chairman and all<br>members of Race Committee. |   | Monitor the direction of any storm<br>potentially affecting racing. If there<br>is a chance of the storm hitting then<br>racing to be suspended.  | In the case of any doubt racing will be suspended   | Electrical burns, shock  |                |                   | #N/A                    | x               | x         |                     |                        |       |
| 5   |  | All crews to leave the water<br>immediately, instructions from Safety<br>Adviser or Race Committee Chairman<br>using radios in rescue boats and in<br>umpires' launches. Transport to be<br>available to move rowers from the<br>bank to areas of safety. | Ensure that Marshals, Umpires,<br>Coaches and crews are adequately<br>briefed.  |   | Crews and spectators to seek places<br>of shelter; ideally these would be<br>buildings or cars.   | Avoid sheltering under trees on remaining on water.   |  |                |                   | #N/A                    | ×               |           |                     |                        |       |
| 6   | Fog/mist   | Assessment of weather forecast prior<br>to event. Assessment of course prior<br>to boating to ensure safety.  | Ongoing assessment of conditions by<br>marshals with two-way radios in<br>contact with race control.  | Collision. Unwitnessed capsize                  | Marshals with two-way radio to<br>advise safety boat, who will<br>undertake rescue as necessary.<br>Contact First Aid or emergency<br>services as needed  |   | Injury to athlete/Equipment damage.<br>Cold water immersion leading to<br>hypothermia. | 3              | c                 | Moderate                | x               | x         |                     |                        |       |
| 7   | Heavy rain   | Assessment of weather forecast prior<br>to event. Assessment of course prior<br>to boating to ensure safety. Marshals<br>to ensure competitors have suitable<br>clothing  | Ongoing assessment of conditions by<br>marshals with two-way radios in<br>contact with race control.  | Competitor not wearing waterproof<br>clothing   | Marshals with two-way radio to<br>advise safety boat, who will<br>undertake rescue as necessary.<br>Contact First Aid or emergency<br>services as needed  |   | Hypothermia  | 3              | c                 | Moderate                | x               | x         |                     |                        |       |

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|     |                         |  | zard causing a Hazardous<br>ent  |  | Reduce th  | e Severity of Harm  |  |                | -E)               | (1/5/                   |                 | Acti      | on Ow               | ners                   |       |
|-----|-------------------------|--|--|--|--|---|--|----------------|-------------------|-------------------------|-----------------|-----------|---------------------|------------------------|-------|
| No: | Hazard                  | Barriers   | Action to maintain<br>barriers   | Hazardous Event  | Controls   | Action to maintain controls   | Harm   | Severity (1-5) | Probability (A-E) | Level of Risk (L/M/S/I) | Event Committee | Event RSA | Safety Boat Drivers | Control<br>Commissions | other |
| 8   |                         |  | Ongoing assessment of conditions by<br>marshals with two-way radios in<br>contact with race control. | Poor visibility leading to collision or<br>unwitnessed capsize.  | Marshals with two-way radio to<br>advise safety boat, who will<br>undertake rescue as necessary.<br>Contact First Aid or emergency<br>services as needed               | Ensure event is covered by suitably trained<br>Safety boat teams and First Aiders | Cold water immersion leading to hypothermia.   | 3              | b                 | Low                     | x               | x         |                     |                        |       |
| 9   | Strong wind             | Assessment of weather forecast prior<br>to event. Assessment of course prior<br>to boating to ensure safety. Marshals<br>to ensure bowballs/heel restraints<br>and adequate buoyancy | Ongoing assessment of conditions by<br>marshals with two-way radios in<br>contact with race control. | Swamping/Capsize.  | Marshals with two-way radio to<br>advise safety boat, who will<br>undertake rescue as necessary.<br>Contact First Aid or emergency<br>services as needed               | Ensure event is covered by suitably trained<br>Safety boat teams and First Aiders | Cold water immersion leading to hypothermia.   | 3              | b                 | Low                     | x               | x         |                     |                        |       |
| 10  |                         |  | Ongoing assessment of conditions by<br>marshals with two-way radios in<br>contact with race control. | Collsion with object/bank/other boat   | Marshals with two-way radio to<br>advise safety boat, who will<br>undertake rescue as necessary.<br>Contact First Aid or emergency<br>services as needed               | Ensure event is covered by suitably trained<br>Safety boat teams and First Aiders | Injury to athlete. Equipment damage  | 3              | c                 | Moderate                | x               | x         | x                   |                        |       |
| 11  | Cold weather/Snow       | Assessment of weather forecast prior<br>to event. Assessment of course prior<br>to boating to ensure safety. Marshals<br>to ensure competitors have suitable<br>clothing             | Ongoing assessment of conditions by<br>marshals with two-way radios in<br>contact with race control. | Competitor not wearing sufficient<br>clothing  | Marshals with two-way radio to<br>advise safety boat, who will<br>undertake rescue as necessary.<br>Contact First Aid or emergency<br>services as needed               | Ensure event is covered by suitably trained<br>Safety boat teams and First Aiders | Hypothermia  | 3              | c                 | Moderate                | x               | x         | x                   |                        |       |
| 12  | Wind against tide       | Assessment of weather forecast prior<br>to event by launch crew. Assessment<br>of course prior to boating to ensure<br>safety.   | Ongoing assessment of conditions by<br>marshals with two-way radios in<br>contact with race control. | Rough water causing swamping/capsize<br>or crews unable to progress.   | Marshals with two-way radio to<br>advise safety boat, who will<br>undertake rescue as necessary.<br>Contact First Aid or emergency<br>services as needed               | Ensure event is covered by suitably trained<br>Safety boat teams and First Aiders | Injury to athlete/Equipment damage.<br>Cold water immersion leading to<br>hypothermia. | 3              | c                 | Moderate                | x               | x         | x                   |                        |       |
|     |                         |  |  |  | Other water users  |   |  |                |                   |                         |                 |           |                     |                        |       |
| 1   | Many Boats on the water | Marshals with megaphones and 2-<br>way radios located at key points of<br>the course to be vigilant for potential<br>collisions and to take actions to<br>minimise any collisions.   | Ensure that Marshala are properly<br>equipped and briefed  | Collision  | Bow balls, heel restraints and<br>buoyancy compartment aids may be<br>inspected by officials prior to going<br>afloat to race.   |   | Injury to athlete. Damage to equipment.  | 2              | с                 | Low                     | x               |           | x                   |                        |       |
| 2   |                         | No warming up or practice starts are<br>allowed in the navigation channel.   | Ensure that this is included in the information and briefing to coaches and crews.                   | Collision  | Competitors and coaches are<br>responsible for ensuring that their<br>boats are safe and are prepared to<br>the required standards at all times<br>including practice. | Include in information to Clubs   | Injury to athlete. Damage to equipment.  |                |                   |                         | х               | x         |                     |                        |       |
| 3   | Racing                  | In accordance with British Rowing's rules of racing.   | Include this fact in information for competitors   | Collision between 2 racing crews during a race   | If a clash becomes serious and is<br>likely to damage equipment or<br>athletes, the umpire should stop the<br>race.  | Ensure that Umpires are properly equipped and briefed                             | Injury to athlete. Equipment damage  | 3              | В                 | Low                     | х               |           |                     |                        |       |
| 4   |                         | Umpires and marshals on<br>bank/bridge or in launch to instruct<br>slower crews to make way for faster<br>crews  | Remind Umpires and marshals  |  |  |   |  |                |                   |                         | х               |           |                     |                        |       |
| 5   | Racing                  |  |  | Injury of athlete during a race (e.g., hit by<br>blade as a result of a crab, hit by another<br>boat in a collision, etc.) | Umpire contacts Race Control, who<br>summons lifeguards and safety boat<br>to assist and alerts Medical Officer<br>and First Aid by radio.                             | Ensure that Umpires and Race Control are<br>properly equipped and briefed         | Injury to athlete. Equipment damage  | 3              | в                 | Low                     | х               |           |                     |                        |       |
| 6   |                         |  |  |  |  |   |  |                |                   | #N/A                    |                 |           |                     |                        |       |

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|-----|---|---|--|---|--|---|---|----------------|-------------------|-------------------------|-----------------|-----------|---------------------|------------------------|-------|
| No: | Hazard  | Barriers  | Action to maintain<br>barriers   | Hazardous Event                             | Controls   | Action to maintain controls   | Harm                                    | Severity (1-5) | Probability (A-E) | Level of Risk (L/M/S/I) | Event Committee | Event RSA | Safety Boat Drivers | Control<br>Commissions | other |
|     |   |   |  |   | Local Environment  |   |   |                |                   |                         |                 |           |                     |                        |       |
| 1   | Racing and returning crews in same stretch of water | Crews to maintain vigilence west<br>(upstream) of Newburn Bridge  | Include in safety briefing and<br>instructions to competitors          | Racing crew colliding with returning crew   | Crews to clear racing line ASAP. In<br>cases of signisifcant impact crews to<br>stop racing and return to shore,<br>avoiding racing crews, in order to<br>assess the extent of damage or<br>injury | Information included in safety briefing   | Injury to athlete. Damage to equipment. | 3              | c                 | Moderate                |                 |           | x                   |                        |       |
| 2   | Bridges   | Crews to use centre arches only   | Include in safety briefing and<br>instructions to competitors          | Collision with bridge                       | Crews to clear racing line ASAP. In<br>cases of signisifcant impact crews to<br>stop racing and return to shore,<br>avoiding racing crews, in order to<br>assess the extent of damage or<br>injury | Information included in safety briefing   | Injury to athlete. Damage to equipment. | 3              | b                 | Low                     | x               |           |                     |                        |       |
| 3   | Mudflats  | Include in safety briefing to<br>crews/coaches/coxes  | Include in safety briefing and<br>instructions to competitors          | Landing on mudflat                          | Crews to remain in boat and alert<br>marshals. Await rescue.   | Information included in safety briefing   | Damage to equipment                     | 3              | а                 | Low                     |                 |           |                     |                        | х     |
| 4   | Moored boats at marina                              | Include map of race course  | Include in safety briefing and instructions to competitors             | Collision with moored boat                  | Crews to clear racing line ASAP. In<br>cases of signisifcant impact crews to<br>stop racing and return to shore,<br>avoiding racing crews, in order to<br>assess the extent of damage or<br>injury | Information included in safety briefing   | Injury to athlete. Damage to equipment  | 3              | а                 | Low                     |                 |           | x                   |                        | x     |
| 5   | Exposed conditions downstream of Scotswood Bridge   | Crews not allowed to boat without suitable clothing   | Launching marshals to ensure racing<br>crews wearing adequate clothing | Crews kept waiting in cold/windy conditions | Crews to alert marshals. Affected<br>athlete tobe provided with warming<br>blanket and returned to shore for<br>gentle re-warming  | Safety launches manned by appropriately<br>trained crew   | Hypothermia                             | 3              | b                 | Low                     | x               |           |                     |                        |       |
| 6   |   |   |  |   |  |   |   |                |                   | #N/A                    |                 |           |                     |                        |       |
|     | 1   |   |  |   | Going afloat and landing   |   |   |                | 1                 |                         | 1               |           |                     |                        |       |
| 1   | Steep steps   | Presence of helpers for launching<br>and landing.   | Ensure enough helpers available<br>by means of a jobs rota             | Capsize                                     | Crews to exit water and change<br>into dry clothes   |   | Cold water immersion                    | 2              | b                 | Low                     |                 |           |                     |                        | x     |
| 2   | Crews adjusting equipment by steps                  | Marshals on steps to inform all<br>crews to adjust away from<br>boating area  | Ensure enough helpers available by means of a jobs rota                | Collsion                                    | Marshal to liaise with crew and<br>determine whether they need to<br>return to shore. Marshalling boat<br>to assist crew if unable to return<br>under their own power.                             | Marshals to have megaphone. Ensure<br>sufficient cover provided for event.                                      | Injurty to athlete. Equipment<br>damage | 3              | c                 | Moderate                |                 |           |                     |                        | x     |
| 3   | Steps in poor<br>condition/slippery                 | Launching marshals and helpers<br>to advise crews of hazards  | Ensure enough helpers available by means of a jobs rota                | Trips or slips                              | If unable to proceed with race<br>then crews to return boats to<br>trailer area (with helpers if<br>needed) and assess extent of<br>damage. Marshals to contact<br>First Aid team by radio         | Ensure First Aid cover provided for event   | Injurty to athlete. Equipment<br>damage | 3              | b                 | Low                     | x               |           |                     |                        | x     |
| 4   | Strong wind   | Event only to be run in suitable<br>conditions. Crews to land with<br>bows facing into prevailing<br>conditions. Presence of helpers<br>on steps. |  | Difficulty landing boats                    | Safety boat/marshal boat to rescue boat and assist them in landing safely  | Ensure sufficient safety cover provided for<br>event and that this is available until all<br>boats have landed. | Crews unable to return to shore         | 3              | b                 | Low                     |                 |           | x                   |                        |       |

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|     |   | Reduce probability a Haz<br>Eve  | zard causing a Hazardous<br>ent                              |   | Reduce th  | e Severity of Harm  |  |                | -E)               | (1/5/                   |                 | Acti      | on Ow               | ners                   |       |
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| No: | Hazard  | Barriers   | Action to maintain<br>barriers                               | Hazardous Event                               | Controls   | Action to maintain controls   | Harm   | Severity (1-5) | Probability (A-E) | Level of Risk (L/M/S/I) | Event Committee | Event RSA | Safety Boat Drivers | Control<br>Commissions | other |
| 5   | Large number of crews trying<br>to land at the same time            | Finish and landing marshals to<br>give clear instructions to crews.<br>Marshal to enrsure appropriate<br>spacing between crews in order<br>to avoid 'log-jam' at steps. All<br>crews to land with bows facing<br>into prevailing conditions                                    | Steps marshals to have<br>megaphone.                         | Collision, causing damage or capsize          | Safety boat/marshal boat to<br>rescue boat/casualty in the case<br>of injury or capsize  | Ensure sufficient safety cover provided for<br>event and that this is available until all<br>boats have landed.   | Equipment damdge. Injury. Cold<br>water immersion  | 3              | c                 | Moderate                |                 |           | x                   |                        | x     |
| 6   | Submerged rocks   | Ensure boating begins with<br>enough water to allow numerous<br>eights to be afloat at the same<br>time  | Consult Port of Tyne tide tables                             | Collision                                     | Crews to remove boat from<br>water, clear landing area and<br>assess damage  |   | Equipment damdge.  | 2              | b                 | Low                     |                 |           |                     |                        | x     |
| 7   | Oars left away from boat  | Presence of launching helpers. No boat to be left unattended   |  | Boats drifting                                | Marshalling boat to retrieve<br>floating boat and return it to<br>shore  | Ensure sufficient safety cover provided for<br>event and that this is available until all<br>boats have landed.   | Loss of boat   | 2              | а                 | Low                     |                 |           |                     |                        | x     |
|     |   |  |  |   | Handling boats on land   |   |  |                |                   |                         |                 |           |                     |                        |       |
| 1   | Boats being moved in the<br>presence of pedestrians and<br>cyclists | Warning signs on path advising<br>cyclists to slow down. Boating<br>marshals to maintain vigilance and<br>provide appropriat instructions  | Include in briefing to competitiors<br>and marshals          | Collision of boat or cyclist with pedestrian. | Marshall contacts Race Control, who<br>summons alerts Medical Officer and<br>First Aid by radio.                                 | Ensure that first aiders, etc., are competent and<br>properly equipped. Check that radios work<br>properly and that users are competent to use<br>them.       | Slight physical injury   | 2              | с                 | Low                     | х               |           |                     |                        |       |
| 2   | Presence of lots of boats and trailers                              | Advise crews of limited space and the need for vigilence   | Include in safety instructions to competitors                | Collision with other boat/trailer             | Marshall contacts Race Control, who<br>summons alerts Medical Officer and<br>First Aid by radio.                                 | Ensure that first aiders, etc., are competent and<br>properly equipped. Check that radios work<br>properly and that users are competent to use<br>them.       | Slight physical injury   | 2              | c                 | Low                     | x               |           |                     |                        |       |
| 3   | Crews not adhering to boating times                                 | Crews issued with boating times and<br>locations prior to event. Calling<br>marshals to tell crews when they are<br>expected to boat.  | Instructions issued to competitors                           | Crew late for boating                         | Crews to boat at back of division if<br>late reporting to boating steps. If<br>delaying event then disqualification<br>possible. | Any crews not downstream of the car crusher 5<br>minutes before the start of the race will be<br>instructed to turn around and will not be<br>allowed to race | Delay of event   | 2              | b                 | Low                     |                 |           |                     |                        | x     |
| 4   | Obstacles on boating steps/Slippery steps.                          | Volunteers to clear obstacles prior to event.  | Event committee to assess the state of steps before race day | Trips or slips                                | Marshall contacts Race Control, who<br>summons alerts Medical Officer and<br>First Aid by radio.                                 | Ensure that first aiders, etc., are competent and<br>properly equipped. Check that radios work<br>properly and that users are competent to use<br>them.       | Damage to equipment. Phsyical injury   | 3              | b                 | Low                     | x               |           |                     |                        |       |
| 5   | Muddy conditions round trailers.                                    | Straw to be put on grassed areas to help absorb water.   | Ensure sufficient straw available prior<br>to race day       | Trips or slips                                | Marshall contacts Race Control, who<br>summons alerts Medical Officer and<br>First Aid by radio.                                 | Ensure that first aiders, etc., are competent and<br>properly equipped. Check that radios work<br>properly and that users are competent to use<br>them.       | Damage to equipment. Phsyical injury   | 3              | c                 | Moderate                | x               |           |                     |                        |       |
| 6   | Oars left in throroughfares   | Marshals to inform crews if their<br>equipment is causing an obstruction.<br>If the crews do not move equipment<br>then marshals to do so.   | Volunteers to help clear areas of obstruction                | Trips or slips                                | Marshall contacts Race Control, who<br>summons alerts Medical Officer and<br>First Aid by radio.                                 | Ensure that first aiders, etc., are competent and<br>properly equipped. Check that radios work<br>properly and that users are competent to use<br>them.       | Damage to equipment. Phsyical injury   | 3              | а                 | Low                     |                 |           |                     |                        | x     |
| 7   | Presence of straw on ground   | Competitors advised of need for extra care when walking over straw   | Information issued to crews                                  | Trips or slips                                | Marshall contacts Race Control, who<br>summons alerts Medical Officer and<br>First Aid by radio.                                 | Ensure that first aiders, etc., are competent and<br>properly equipped. Check that radios work<br>properly and that users are competent to use<br>them.       | Damage to equipment. Phsyical injury   | 3              | b                 | Low                     | x               |           |                     |                        |       |
|     |   |  |  | Faulty, incorre                               | ectly set and poorly mainta  | ined equipment  |  |                |                   |                         |                 |           |                     |                        |       |
| 1   | Failure of Marshal's launch   | All engines serviced in week prior to<br>event. Race will continue; other<br>marshals have full sight of the course<br>from the start line and can use<br>megaphone to control most of the<br>race – finish judges to take control<br>past finish line if finish launch fails. |  | Marshal's launch breaks down during a<br>race | Any available marshalling launch in<br>the vicinity will take over the race  | Ensure that launch drivers and Marshals are appropriately briefed.  | Marshals unable to give instructions to<br>crews, causing confusion and potential<br>collision | 2              | в                 | Low                     | х               |           | x                   |                        |       |

| Risk Assessment |                |                 |        |               |
|-----------------|----------------|-----------------|--------|---------------|
| Event           | BUCS Head      | Date: 10/12/23  | Dec-23 |               |
| Author          | David Robinson | Rev: 10/12/2023 | 1      | BRITISHROWING |

|     |                                 | Reduce probability a Haz   | ard causing a Hazardous<br>ent                                 |  | Reduce th  | e Severity of Harm   |   |                | -E)               | (1/2/                   |                 | Actio     | n Own               | ers         |       |
|-----|---------------------------------|--|--|--|--|--|---|----------------|-------------------|-------------------------|-----------------|-----------|---------------------|-------------|-------|
| No: | Hazard                          | Barriers   | Action to maintain<br>barriers                                 | Hazardous Event  | Controls   | Action to maintain controls  | Harm  | Severity (1-5) | Probability (A-E) | Level of Risk (L/M/S/I) | Event Committee | Event RSA | Safety Boat Drivers | Commissions | other |
| 2   |                                 |  |  |  | Marshal will radio to Race Control to<br>advise of problem; Race control to<br>summon rescue launch to retrieve<br>the broken-down launch and<br>recover to the boat house for repair. | Ensure that communications are effective.  |   |                |                   |                         | х               |           |                     |             |       |
| 3   | Failure of radio equipment      | Ensure equipment working and fully charged on land prikor to boating.  |  | Loss of cimmunication between<br>marshals/umpires/race control/Safety<br>Boats | Each marshalling crew to have a charged mobile phone.  | Each marshal to have a list of others' mobile<br>phone numbers and their position on the course                            | Marshals/Safety boat unaware of a crew<br>in difficulty. Race control/Umpires<br>unaware of official warnings | 2              | b                 | Low                     | x               |           | x                   |             |       |
| 4   |                                 |  |  |  |  |  |   |                |                   | #N/A                    |                 |           |                     |             |       |
|     | 1                               | 1  |  | Pre-existing l   | health conditions and low l  | levels of fitness  | 1   |                |                   |                         |                 |           |                     |             |       |
| 1   | Pre-existing health conditions  | Coaches and athletes to use their<br>discretion as to whether they are able<br>to manage a 5 km race in cold<br>conditions |  | Collapse of athlete on landing stages<br>(e.g., asthma attack or serious fall) | Umpire contacts Race Control, who<br>summons lifeguards and safety boat<br>to assist and alerts Medical Officer<br>and First Aid by radio.   | Ensure that Umpires are properly briefed and<br>equipped and that there are competent, well<br>equipped first aiders, etc. | Serious health implications for competitor  | 3              | в                 | Low                     | х               |           |                     |             |       |
| 2   | Pre-existing health conditions  | Coaches and athletes to use their<br>discretion as to whether they are able<br>to manage a 5 km race in cold<br>conditions |  | Collapse of athlete during a race (e.g.,<br>asthma attack)                     | Umpire contacts Race Control, who<br>summons lifeguards and safety boat<br>to assist and alerts Medical Officer<br>and First Aid by radio.   | Ensure that Umpires are properly briefed and<br>equipped and that there are competent, well<br>equipped first aiders, etc. | Serious health implications for competitor  | 3              | с                 | Moderate                | х               |           |                     |             |       |
| 3   |                                 |  |  |  |  |  |   |                |                   | #N/A                    |                 |           |                     |             |       |
|     |                                 |  |  |  | Other  |  |   |                |                   |                         |                 |           |                     |             |       |
| 1   | Kitchen                         | Only authorised personnel allowed in kitchen area.   |  | Cuts. Food poisoning. Trips/slips.<br>Burns/Scalds                             | Member of kitchen team to contact<br>First Aider +/- Emergency Services as<br>needed.  |  | Illness or injury   | 3              | b                 | Low                     | x               |           |                     |             | x     |
| 2   | Lack of warm showers            | Use of space blankets, dry clothes,<br>hat etc   | Include lack of warm showers in<br>instructions to competitors | Unable to warm person with<br>hypothermia                                      | Assessment by First Aid team and<br>Emergency Services if necessary  | Warm showers available at TURC, NUBC and<br>leisure centre if necessary  | Hypothermia   | 3              | ь                 | Low                     | х               |           |                     |             |       |
| 3   | Changing areas                  | Changing rooms only to be used for<br>changing and not for meetings/race<br>plans  |  | Overcrowding causing slips or trips  | Assessment by First Aid team and<br>Emergency Services if necessary  |  | Injury  | 3              | b                 | Low                     |                 |           |                     |             |       |
| 4   |                                 | Competitors advised that changing<br>rooms are not a secure area   | Notices on changing room doors                                 | Loss or theft of belongings  | Report lost items to race control +/-<br>Polic involvement   | Local arrangements for safe storage of kit at<br>host clubs  | Loss of personal belongings   | 2              | b                 | Low                     | х               |           |                     |             |       |
| 5   | Portaloos                       | Ensure sufficent ADDITIONAL, IF<br>NECESSARY, provision for number of<br>competitors                                       |  | Unhygienic/Blocked toilets   | Assessment by First Aid team and<br>Emergency Services if necessary  |  | Iliness   | 3              | а                 | Low                     | х               |           |                     |             |       |
| 6   | Trailers arriving and departing | Presence of helpers to help<br>direct/push trailers from outside<br>clubs  | Ensure enough helpers available by means of a jobs rota        | Collision with person/structure  | Assessment of injury of damage and proceed   |  | Injury or damage to<br>person/building/equipment  | 3              | c                 | Moderate                | x               |           |                     |             | x     |
| 7   | TURC and NUBC boating areas     | Use of TURC/NUBC safety plans  |  | As per TARC hazards  | As per local Risk Assessments  |  | As per TARC Risk Assessment (this<br>document)  | 3              | c                 | Moderate                |                 | х         |                     |             |       |
| 9   |                                 |  |  |  |  |  |   |                |                   | #N/A                    |                 |           |                     |             |       |