



Risk Assessment
RIVER AND INLAND WATER

For Club Rowing

NAME AND ADDRESS OF SAFETY OFFICER		Ewan Dryburgh, 125 Belle Vue Road, Shrewsbury, SY3 7NJ, 07710 306739 ewan@dgaltd.co.uk.			Activity:	River and Inland Water	
Rowing Club and Location:		Shropshire Adventure Rowing Club, Stuarts Shed, Berwick Rd, Shrewsbury			Date:	03.04.13	
1. Hazard	2. Who Might Be Harmed?	3. How Could Individuals Be Harmed?	4. Probability of Risk Highly Unlikely Unlikely Likely	5. Current Level of Risk (with no controls) (trivial, tolerable, moderate, substantial, intolerable)	6. Existing Precautions? Are These Adequate?	7. Record Any Actions Needed	8. Level of risk once actions have been carried out (Can activity go ahead?)
<i>e.g. Other water users – busy harbour with lots of pleasure craft</i>	<i>Participants and other water users</i>	<i>Collision</i>	<i>Likely</i>	<i>Moderate</i>	<i>Harbour circulation pattern on notice board</i>	<i>- Harbour navigation included as part of rower induction - Establish regular meetings with other water user groups</i>	<i>Tolerable</i>
The water environment							
Depth of water	<i>Participants and other water users</i>	<i>Running Aground Drowning</i>	<i>Unlikely</i>	<i>Moderate</i>	<i>General awareness</i>	<i>Seek local knowledge From organisers Life jackets to be worn</i>	<i>Tolerable</i>
Cold water	<i>Participants and other water users</i>	<i>Hypothermia</i>	<i>Unlikely</i>	<i>Moderate</i>	<i>Warm Clothes</i>	<i>Space Blanket</i>	<i>Tolerable</i>
Course; Straight/bendy	<i>Participants and other water users</i>	<i>Collision with other boats, river bank, overhanging trees</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>Review Course</i>	<i>Seek local knowledge From organisers</i>	<i>Tolerable</i>
Waves/Swell	<i>Participants and other water users</i>	<i>Capsize</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Review conditions on day of race</i>	<i>Tolerable</i>
Tides/Currents (particularly in narrow areas such as harbour or estuary entrances)	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
Wash from other boats	<i>Participants and other water users</i>	<i>Capsize / Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>General awareness</i>	<i>Tolerable</i>
The weather							
Wind	<i>Participants and other water users</i>	<i>Collision/ Exhaustion</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Review conditions on day of row</i>	<i>Tolerable</i>
Cold, heat, fog, ice, snow, storms, lightning	<i>Participants and other water users</i>	<i>Collision/ Exhaustion</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Review conditions on day of row</i>	<i>Tolerable</i>
The time of year, water temperature	<i>Participants and other water users</i>	<i>Exhaustion/ Hypothermia</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Wear appropriate clothing – crew and cox</i>	<i>Tolerable</i>
Visibility; e.g. mist, rowing at night	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Review conditions on day of row</i>	<i>Tolerable</i>
Physical hazards							
Other water users	<i>Participants and other water users</i>	<i>Collision</i>	<i>Likely</i>	<i>Moderate</i>	<i>General awareness</i>	<i>High Vis/ pennant flag on pole</i>	<i>Tolerable</i>
Submerged Objects/Rocks	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Seek local knowledge From organisers</i>	<i>Tolerable</i>
Sand Bars/Mud Flats	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Seek local knowledge From organisers</i>	<i>Tolerable</i>

Hazard	Who Might Be Harmed?	How Could Individuals Be Harmed?	Probability of Risk	Current Level of Risk (e.g. trivial, tolerable, moderate, etc)	Existing Precautions? Are These Adequate?	Actions Needed	Level of risk once actions have been carried out (Can activity go ahead?)
Moored boats	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>General awareness</i>	<i>Tolerable</i>
Buoys	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>General awareness</i>	<i>Tolerable</i>
Jetties / Walls	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>General awareness</i>	<i>Tolerable</i>
Fishing Nets/Lines	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Seek local knowledge From organisers</i>	<i>Tolerable</i>
Launches and Propellers	<i>Participants and other water users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>General awareness</i>	<i>Tolerable</i>
Water borne hazards/diseases							
Weils Disease	<i>Participants</i>	<i>Infection</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	All rowers shall be educated as to the risks, preventative methods and early symptoms of Weil's disease. Drinks bottles kept out of bilge water.	<i>Tolerable</i>
Hazards on the land							
Tripping/slipping	<i>Participants</i>	<i>Impact injury</i>	<i>Likely</i>	<i>Moderate</i>	<i>General awareness</i>	<i>Wear appropriate footwear</i>	<i>Tolerable</i>
Falling	<i>Participants</i>	<i>Impact injury</i>	<i>Likely</i>	<i>Moderate</i>	<i>General awareness</i>	<i>Wear appropriate footwear</i>	<i>Tolerable</i>
Lifting and carrying	<i>Participants</i>	<i>Strain</i>	<i>Likely</i>	<i>Moderate</i>	<i>General awareness</i>	<i>Lift with straight back and bent knee</i>	<i>Tolerable</i>
Land training	<i>Participants</i>	<i>General sport injury</i>	<i>Unlikely</i>	<i>Trivial</i>	<i>General awareness</i>	<i>Work to individual Fitness level</i>	<i>Trivial</i>
Travelling to and from venues	<i>Participants / Other road users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Follow Highway Code</i>	<i>Trivial</i>
Towing boats	<i>Participants / Other road users</i>	<i>Collision</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Follow Highway Code</i>	<i>Trivial</i>
Fire; storage of petrol for launches	<i>Participants</i>	<i>Fire</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Use appropriate storage and decanting devices</i>	<i>Trivial</i>
Participants with low level fitness or health problems	<i>Participants</i>	<i>Exhaustion / Heart Attack</i>	<i>Unlikely</i>	<i>Tolerable</i>	<i>General awareness</i>	<i>Be aware of personal Fitness level</i>	<i>Trivial</i>

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Equipment hazards							
Unsuitable/inappropriate equipment	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Lack of safety and rescue equipment	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Poorly maintained equipment	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Cracked or damaged hull	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Insufficient Buoyancy	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Bung	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Steering mechanism	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Equipment failure	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Swivels/Rowlocks/Pins	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Topnuts (where swivels are used)	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Buttons/Collars (where used)	<i>Participants</i>	<i>Drowning</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Unsuitable/inappropriate clothing	<i>Participants</i>	<i>Hypothermia</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
Poorly maintained launches and engines	<i>Participants</i>	<i>Drowning/accidental injury</i>	<i>Likely</i>	<i>Moderate</i>	<i>Kit/equipment check</i>	<i>Check list to be reviewed prior to row</i>	<i>Tolerable</i>
The activity itself							
Performing tasks unsuitable for participants	<i>Participants</i>	<i>Personal Injury</i>	<i>Likely</i>	<i>Moderate</i>	<i>Review experience</i>	<i>Continued Assessment</i>	<i>Tolerable</i>
Poor posture/movement patterns	<i>Participants</i>	<i>Personal Injury</i>	<i>Likely</i>	<i>Moderate</i>	<i>Training/instructor</i>	<i>Continued Assessment</i>	<i>Tolerable</i>

Pre Row Check List	Yes	No
Weather forecast reviewed		
Navigational dangers identified		
Trip log signed by senior mentor		
Check Equipment and boats for wear and damage		
Collars on oars		
Gates and rowlocks		
Pump		
Rudder, pin and retaining clip		
Drainage bung		
Footrests and clips		
Check around the hull for any damage		
Check buoyancy compartments are clear		
Essential Equipment		
Lifejackets for all (150N)		
Warm clothes for the cox		
Water		
Flares (in a watertight container)		
Mobile phone or VHF in waterproof container		
Additional Equipment		
Handheld GPS		
Extra bailer		
Space blankets		
RISK ANALYSIS CARRIED OUT BY: SIGNED:..... DATE:	AUTHORISATION TO TAKE BOAT OUT TO SEA: (most senior club member present) SIGNED:..... DATE:.....	