

KINGSTON AND ELMBRIDGE BS-AC No. 0017

DIVING RISK ASSESSMENT PROCEDURE

Standard Controls

Divers are required to observe the Rules of the British Sub-Aqua Club

Divers are required to observe the Rules of Kingston & Elmbridge Branch

Divers are required to observe the Recommendations of the British Sub-Aqua Club. These Include:-

Sport Diving, The BSAC Diving Manual

BSAC Instructor Manual

BSAC Safe Diving Practices

BSAC Mixed Gas Safe Diving Practice

BSAC Rebreather Safe Diving Practice

BSAC Seamanship for Divers

Any other BSAC diving manuals or updates which may be produced from time to time

Divers are required to adhere to the Divers Code of Conduct

Divers are required to dive within the restrictions of their training and experience

Divers are required to operate within the Law, including UK, European, Maritime and local

Divers are to ensure that all equipment is maintained in good condition and suitable for the type of diving being undertaken

KINGSTON AND ELMBRIDGE BS-AC

RISK ASSESSMENT FORM

To be completed prior to dive and updated as required. Return to Diving Officer with Dive Log Sheets

DIVE MARSHAL		LOCATION		DATE		
BOAT		BOAT SAFETY BRIEFING TO BE GIVEN BY CHARTER BOAT SKIPPER OR COX'N				
RECOMPRESSION CHAMBER		TELEPHONE				
Hazard	Who	Risk Evaluation	Controls	Immediate measures to deal with consequences if risk does occur	Observations	Completed

ARRIVAL /RETURN AND BOAT LOADING/UNLOADING

Back Injury	Divers	Medium	Use correct lifting techniques Obtain assistance for heavy loads Do not over overload bags Carry equipment minimum distance	Administer First Aid Call Ambulance if required		
Slips, trips and falls	Divers General Public	Low	Ensure equipment is stacked in a way not to cause an obstruction. Dive Marshal to make party aware of any Ringbolts, Bollards, Steps etc on roadway, slipway or jetty.	Remove casualty from danger and administer first aid as necessary. Hospitalise as required.		
Crushing Injury, falling into water	All	Medium	Ensure boat moored securely Check with skipper on best position for loading Organise loading of equipment Keep clear of trailer when RIB being launched Do not sit on or ride in RIB during launching	Remove casualty from danger and administer first aid as necessary. Hospitalise as required.		
Injury from falling cylinders or weightbelts	Trainees/All	Medium	Trainees taught to secure cylinders in proper stowage or to be laid down. Weightbelts to be stored at lowest point in boat or dedicated area.	Administer First Aid as required		

BOAT JOURNEY

Hypothermia	All	Low	Wear suitable protective clothing Stay in shelter where provided Return to shore	Warm slowly and avoid exercise Offer sips of warm drink Seek professional medical help		
Seasickness	All	Low	Advice non drowsy sea sickness tablets Eat light meals Avoid alcohol	Monitor condition, Give sips of water. Place in safe position Return to sheltered waters/harbour		
Dehydration	All	Low	Wear suitable protective clothing Drink plenty of water Avoid excessive exercise	Re-hydrate by sipping water		
Sunburn	All	Medium	Use high factor sun block Wear hat Keep covered	Treat symptomatically. Seek professional medical help		
Drowning	Trainees/All	Medium	Drysuits to be worn with zip done up Wetsuits to be worn in full Coxswain/Boat handler to wear buoyancy aid in RIB No weightbelts to be worn during boat journey	Give A.V. and Cardiac Compression as required Contact Coastguard on Distress Frequency		

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RISK ASSESSMENT FORM

DIVE BRIEFING

To be carried out by Dive Marshal/Instructor using SEEDS to ensure all points are covered

BUDDY CHECK

To be carried out before each dive using BAR to give it structure

Hazard	Who	Risk Evaluation	Controls	Immediate measures to deal with consequences if risk does occur	Observations	Completed
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ENTRY INTO WATER

Slips, trips and falls	Trainees/All	Low	Warn trainees about moving when carrying heavy cylinders. On shore dives only fit fins in the water. Minimise movement on boat when kitted up Remove tripping hazards, i.e. dive bags from route to exit point from boat Assist kitted divers to exit point of boat	Remove casualty from danger and administer first aid as necessary. Hospitalise as required.		
Rough Water	All	Medium	Weather forecast to be taken prior to diving and recorded on Dive Log Continually monitor conditions	Abort Dive Recall divers Assist divers from water		
Drowning	Trainees/All	High	Dive Marshal/Instructor/buddy to ensure positive buoyancy before entering water Ensure regulator is in mouth and air turned on.	Give AV. Recover casualty Contact emergency services to transfer to hospital		
Injury from propeller	All	Medium	Only qualified skipper, diver coxswain or boat handler to drive boat Divers only to enter water when engine in neutral and on instruction of boat driver	Remove casualty from danger and administer first aid as necessary. Hospitalise as required.		
Injury from boat	All	Low	Inform divers of projections or obstructions on hoist, ladder or hull	Remove casualty from danger and administer first aid as necessary. Hospitalise as required.		
Disorientation/Panic	Trainees	Low	Instructor/Dive leader to enter water first	Establish contact with trainee, calm, reassure and continue with dive. Abort dive if trainee is not calm enough to continue		
Injury from other boats	All	Medium	Flag Alpha to be flown during diving operations Surface marker buoy to be used on drift dives and on any ascent away from fixed shot line	Recover casualty. Give first Aid as required. Contact emergency services as situation demands		

DESCENT

Loss of contact	All	Low	Descend down fixed shot line or below surface marker buoy	Come back up Shot Line or deploy Delayed Surface Marker Buoy and ascend.		
Mask squeeze	Trainee	Low	Remind trainee of need to breath out the nose during descent to equalise pressure in the mask	Reduce depth and demonstrate to trainee breathing out through nose If severe return to surface and if any symptoms persist seek medical advice		
Pain in Ears	Trainee	Low	Do not dive with a cold or congestion Remind trainee about equalizing pressure during descent and monitor action	Ascend		
Loss of buoyancy	Trainee/All	Medium	Descend slowly adjusting buoyancy during descent Monitor Trainee controlling buoyancy. Keep hold of line during descent	Re-establish buoyancy. Provide Controlled Buoyant Lift		

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DURING DIVE

Separation	All/Trainees	Medium	Regularly check buddy location Use buddy line/SMB line Carry/use strobe light	Check through 360° then surface using proper surfacing procedure		
Separation from boat while drift diving	All	High	Dive plan agreed with boat cox'n All dive pairs follow dive plan All dive pairs marked by surface marker buoy	All divers to carry aids to detection e.g. Flag, Sausage buoys, Strobe, Flares, Whistle etc. Contact coastguard in event of overdue divers.		
Entanglement	All/Trainees	Medium	Carry knife, scissors or line cutting tool	Stay calm, establish location of entanglement and cut free as required.		
Running out of air	All	High	All cylinders to be fitted with pressure gauge All divers to have Alternative Air Source Continually monitor air, especially trainees Follow rule of thirds	Breath from buddies ALAS Surface using proper surfacing procedure		
Nitrogen Narcosis	All	Medium	Progressive build up of depth Progressive work up of depth for divers gaining depth experience supervised by a suitably qualified instructor Close monitoring of trainees	Assistance from Instructor/Buddy Reduce depth in a controlled way		
Decompression Illness	All	Medium	Dives planned and conducted in accordance with BSAC 88 tables or dive computer. All divers to be equipped with watch/depth gauge or dive computer No dives involving decompression stops to be carried out by divers who are not suitably trained, unless under instruction.	Oxygen Administration equipment and trained administrators on site. Contact coastguard and/or nearest recompression chamber.		

SURFACING AND ON SURFACE

Rapid Ascent leading to DCI and Burst Lung	All/Trainees	High	Correct weighting and buoyancy control Ascend using shotline Monitor trainees to ensure correct venting of Buoyancy device and Drysuit	Oxygen Administration equipment and trained administrators on site. Contact coastguard and/or nearest recompression chamber.		
Surfacing away from shotline	All	High	Deploy delayed Surface Marker Buoy All dive pairs to follow same dive plan for surfacing, as directed by cox'n	Search for overdue divers down tide. Inform coastguard of missing divers		
Injury from boat or debris	All	High	Ascend under Buoy on Shotline or Delayed Surface Marker Buoy Look up and all round as ascending Listen for sound of boat engines and propellers	Treat symptomatically by trained First Aiders. Contact Coastguard for medical advise and evacuation to hospital as required.		
Injury from boat or propeller	All	High	Do not approach boat until direct by Cox'n Only qualified persons to operate boat during recovery of divers	Treat symptomatically by trained First Aiders. Contact Coastguard for medical advise and evacuation to hospital as required.		
Recovery into boat	All	Low	Use ladder or lift as directed. Do not remove Demand Valve until seated on hard boat or last of all when recovering into RHIB Remove weight belt first when recovering into RHIB	Ensure positive buoyancy Assist as required Treat injuries with First Aid and contact Coastguard for advice as required		