

Risk Assessment

Location: Llyn Clywedog Wreck Diving

This list of these risk assessments is to provide a guideline for the safe conduct of diving when required to be undertaken by club members or their agents and to highlight any known hazards to control. This is a working document and may require amendment to reflect the conditions on site.

Diving at Club

This may be undertaken to survey and recover vessels or equipment that has sunk and cannot be safely recovered from shore or from a rib.

A dive requires a plan complete with a list of participating divers.

The Duty Officer will verify his agreement with the Dive Plan and give approval (which shall be recorded by date/time) before any club diving commences.

Description of Task

All diving carried out as per the guidelines of the BSAC safe diving practices

For a Wreck Dive: To dive at no greater depth that qualification allows and that of past previous experience.

Supervision and Personnel

Dive Manager (DM)

Assistant Dive Manager (ADM)

Diver Coxn (maybe either or both of the above)

Qualified O2 administrator and deputy

Rescue Diver/first aider and deputy : to be nominated on site

Additional personnel : Club Members assisting under direction of DM or ADM

Risk Assessments

The following risk assessments, relevant to the tasks being carried out are attached. All participants involved are to sign below that this document has been read and understood before their commencement in activity.

HAZARD	WHO	FREQUENCY	SEVERITY	RISK EVALUATION	CONTROLS	IMMEDIATE MEASURES TO DEAL WITH CONSEQUENCES IF RISK DOES OCCUR
Heart Attack	All	Rare	Fatal	Medium	Medical Self Declaration / Referral to Medical Referee	CPR by Instructor/ Buddy. Emergency services activation plan
Ear Damage	All Divers	Occasional	Moderate Injury	Medium	Trainees receive specific training in Ear Clearing Divers do not dive when suffering from a cold	Assistance from Instructor or Buddy
Mask Squeeze	Trainees	Rare	Minor Injury	Low	Only Mask which encloses both eyes and nose in the same airspace to be used Trainees receive specific instruction in mask equalisation	Assistance from Instructor or Buddy
Injury from Falling Cylinders	All	Rare	Moderate Injury	Low	Trainees taught to always lay heavy equipment down Monitoring by instructor	Administer First aid

Rapid Ascent	All Divers	Occasional	Fatal	High	<p>Progressive training. Correct weighting of divers Monitoring by instructor/ buddy Instructor / Trainee ratio in accordance with BSAC recommendations Visual Datum used for ascent exercises were appropriate</p>	<p>Diving monitored by duty rescue divers able to provide or direct assistance Oxygen administration equipment and trained administrators on site</p>
Running out of Air	All Divers	Occasional	Fatal	High	<p>All SCUBA sets fitted with pressure gauges Monitoring by diver, instructor/ buddy Instructor / Trainee ratios in accordance with BSAC recommendations.</p>	<p>All divers carry AAS</p>
Panic	All	Rare	Moderate Injury	Low	<p>Monitoring by Instructor/ buddy Instructor / Trainee ratios in accordance with BSAC recommendations.</p>	<p>Assistance from Instructor or Buddy</p>
Drowning	All	Rare	Fatal	Medium	<p>Monitoring by duty Rescue Divers Monitoring by instructors with trainees Training to be conducted in depths suitable to skill levels</p>	<p>Assistance from Instructor or Buddy</p>

Entanglement with nets/lines/underwater obstacles	All Divers	Rare	Fatal	Medium	Dive Manager to brief divers of danger areas. All Divers carry appropriate cutting implement, such as filament line cutter, wire snips, diving knife, etc.	Assistance from buddy. Buddy to raise assistance from boat or shore cover. Diver to be removed from danger and exit the water. Apply first aid as required. Hospitalise if necessary
Diver separation	All Divers	Occasional	Fatal	High	Divers to dive in buddy pairs Contact to be maintained throughout dive Strobes or buddy lines to be carried	Divers to surface immediately. Re-establish contact. Render assistance as required. Notify shore or boat cover. Apply first aid as required. Hospitalise if necessary.
Reduced underwater Visibility	All Divers	Frequent	Major Injury	High	Diver numbers in water to be controlled and monitored. Divers to carry strobes and buddy lines	Strobes and buddy items to be used in the event of the onset of reduced visibility. Dive to be aborted in the event of adverse reduced visibility Divers to surface and exit. Dive Manager to abort diving
Trips/Slips & tumbles	All	Occasional	Minor injury	Low	Dive manager to advise divers of careful treading and trip hazards All divers aware of slippery weed on launch slips	Provide first aid as necessary.
Water Temperature	All Divers	Frequent	Moderate Injury	Low	All divers to wear appropriate thermal protective clothing including hood and gloves.	Provide first aid for hypothermia Hospitalise if required.

Illness from water quality	All	Rare	Minor Injury	Low	Provide appropriate aid on scene	Seek medical advice. Hospitalise.
Contact with other water users	All	Occasional	Minor Injury	Low	Divers to dive in pairs and use SMBs. Dive manager to plan use of site to reduce diver/diver contact. Liase with other users (A flag)	Remove Casualty from danger and water Apply Appropriate first aid. Seek medical Advice. Hospitalise
Objects thrown at divers	All	Occasional	Minor injury	Low	Divers to exit the danger area. Security to be contacted to remove offenders.	Remove casualty from danger. Provide first aid that may be appropriate. Hospitalise is required.
Loss of buoyancy	All divers	Occasional	Major Injury	Medium	All buoyancy devices should be checked for functional operation prior to dive (buddy check) Dive to be aborted if gear is malfunctioning	Buddy to render assistance. Divers to raise alarm to cover. Shore or boat cover to provide additional assistance
Diving Equipment Failure	All divers	Rare	Fatal	Low	Divers to carry Octopus rig to cover second stage loss. To be checked and highlighted during buddy check. All diving equipment to be in good working order.	Dive to be aborted. Buddy to render assistance to casualty. Casualty to be removed.
Rough Surface Conditions	All	Rare	Fatal	Medium	Weather Forecasts to be taken prior to diving and recorded in dive plan. Diving to be aborted by dive manager in the event of adverse conditions	Assistance by buddy or instructor. Divers to exit water. Appropriate First aid. Hospitalise is required

Boat Traffic/ shipping	All	Rare	Major Injury / Fatal	Medium	<p>A flag to be hoisted when diving. Notify coast guard if diving in shipping lane. Use VHF to warn shipping. Be prepared to defensively manoeuvre dive boat to cover divers from oncoming traffic. Emergency signal shipping or oncoming boat. Liase with other water users</p>	<p>Check for Casualties. Remove casualty from water and give first aid. Hospitalise if required.</p>
Lost at Sea	All divers	Rare	Fatal injury	Low	<p>All divers to carry an SMB. Divers to plan the dive, dive the plan. Dive manager to be given divers plan. Other surface markers to be carried whistles/flares/horns/flags etc.</p>	<p>Contact Coastguard, Provide position and start searching. Treat casualties with first aid. Hospitalise if required.</p>
Wreck diving	All divers	Frequent	Minor injury	Low	<p>All divers to carry and SMB. Divers to follow BSAC guidelines for wreck diving. SMB to be deployed in the event of loosing the shot line only when clear of the wreck.</p>	<p>Contact Coastguard, Provide position and start searching. Treat casualties with first aid. Hospitalise if required.</p>

Clywedog SC BSAC464 Dive sheet

DATE	DIVE SITE	MEET Location	MEET Time	SLACK HW/LW

No. of Boats	Max Divers	Plan Depth	Min Qualification	Dive Manager (DM)	Assistant DM

DIVERS

Immediate (24hr max) Weather Forecast

Wind Speed (Beaufort Scale)	Wind Direction	Weather	Visibility	Sea State

Diving officers approval : _____ Date/Time :

DIVE REPORT

Diver	Time In	Time Out	CYL pressure In	CYL pressure Out	Cylinder Size	Max Depth

Boats Used	Fuel Cans Used		Club Equipment Fault Report

I certify as the DM that the information above is correct :

DATE \@ "dd\MM\yyyy" 05/02/2018

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Name (Print)	Signature	Date

