

The Cleddau Project CIC

Risk Assessment and training log for Water Sampling within the Cleddau Catchment Assessment Project, from bridges & the bank To be issued to all surveyors.

Project leader: Ric Cooper

Date: April 2024

Date of Review: April 2025

Hazard	Potential Harm	Likelihood	Severity	Risk Factor	Precautions	Further Control
Infection from Coronavirus	Illness, potentially fatal or with long term health complications	3	4	12	<p>Follow current government rules around Coronavirus. Follow NHS guidance on what to do if you suspect a Covid--19 infection</p> <p>https://www.nhs.uk/conditions/coronavirus-covid-19/symptoms/</p> <p>Report sickness to project leader and as appropriate. If Covid--19 is confirmed by a test this also needs to be reported.</p>	Ensure dated records are kept of volunteer activity.

Deep and /or fast Water	Drowning, Hypothermia, Slips and Trips into water	4	5	20	DON'T ENTER WATER. Work from bank or bridge, check stability of bank and seek safe site before approaching the water. Avoid water in spate, and when flooding is possible.	<p>Wherever possible take water samples using sampling pole from bridges, particularly if the river is deep, fast or high-- water levels are expected.</p> <p>Have a change of clothes and a towel nearby.</p> <p>Work with a buddy whenever possible and carry a throwline.</p> <p>Undertake the online working near watercourse</p>
Rough/uneven / slippery ground	Injuries of varying severity sustained from slips, trips and falls	5	3	15	Wear suitable footwear and stick to rights of way as much as possible assess hazards	
Adverse weather Hot sunny /Cold weather High Winds	Sun burn/ sun stroke / hypothermia. Increased chance of slips and trips. Falling trees/branches	3	4	12	Wear clothes appropriate to the conditions. In hot/sunny weather use sun cream as required and carry water to stay hydrated. Limit time exposed to the conditions (e.g., park close to the sampling site where it is safe to do so).	Always check forecast in advance and cancel site visit if conditions are severe

Aggressive Animals	Injury from livestock or dogs	3	3	9	<p>Check fields before entry; be aware of and keep a distance from livestock.</p> <p>Ensure sampling location is appropriate and safe if accompanied by a dog.</p>	Move away from any threat.
Difficult or aggressive people	Threatening behavior, physical assault/injury and abuse	3	4	12	<p>Keep calm and leave the site.</p> <p>Do not attempt to argue or antagonize the individual.</p> <p>Enter land where there is public access or with permission only.</p> <p>Work with a buddy whenever possible.</p>	<p>Once retreated to a safe distance:</p> <p>Contact Ric Cooper (07967 730776) or Emma Withers (07852 803643) to report the incident</p> <p>If the individual is threatening or aggressive, report it to the police.</p> <p>Inform other potential surveyors to avoid the site if it is possible others may encounter the individual.</p>
Roads/vehicles	Collision causing injury	2	5	10	<p>Be aware of surroundings when moving on vehicular routes</p> <p>Ensure sampling location is safe</p> <p>Move to a location away from traffic to carry out tests.</p>	
Contaminated water and other sources of infection	Weil's disease and water-borne gastrointestinal infections	2	4	8	<p>Cover any open cuts so they are not exposed to water.</p> <p>Wash/sterilize hands after handling equipment and before eating</p>	<p>Seek medical attention if after surveying you suspect you may have contracted an infection. Have specific regard to Leptospirosis and inform your doctor that you may have been exposed to it if you develop flu like symptoms.</p>

Use of Equipment (photometers and reagents)	Chemicals	3	4	12	<p>Note Hazard warning on labels</p> <p>Follow guidance on Material Safety Data sheet for advised use of PPE when handling Hanna Ammonia test kit reagents</p> <p>Store in appropriate safe and secure location.</p> <p>Follow training and advice in use of the equipment and chemicals.</p> <p>Toxic if inhaled – handle carefully outdoors and do not breathe in</p> <p>Wear protective clothing</p> <p>Reacted water samples should be disposed of down a wastewater sink or toilet to be treated at a sewage treatment works.</p>	<p>See medical advice if anything goes wrong and report to project leaders</p> <p>If in eyes – rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.</p> <p>Corrosive to the respiratory tract.</p> <p>Immediately seek medical advice</p>
					<p>Always wash hands after use</p> <p>Follow training advice in use of the equipment and chemicals.</p> <p>Store in safe and secure location</p>	



Lone Working	Enhanced risk of injury relating to the above and problems associated with isolation in remote locations should an incident occur	3	5	15	<p>Operate a buddy system: inform a responsible person where you are going and how long you are likely to be so they can raise the alarm if you don't return.</p> <p>Monitoring sites to be registered with coordinators.</p> <p>Mobile phone to be carried at all times and ensure it is fully charged.</p>	<p>Use location sharing Apps e.g., Snapchat, WhatsApp, FollowMe whilst surveying.</p> <p>Sign up to Emergency Services Text service if mobile signal is poor.</p> <p>Adhere to lone working systems of advice.</p> <p>Ensure that buddy/responsible person knows to contact appropriate authorities and/or catchment coordinators and has contact details.</p>
Bites and stings	Lymes Diseases from tick bites, allergic reaction to bee stings, infection etc.	2	5	10	<p>Check for ticks after walking in long grass and remove them.</p> <p>Always carry an epipen if there is a known risk of a severe allergic reaction.</p>	<p>Seek medical attention for tick bites, especially if you develop the distinctive ringed rash around the bite or feel unwell.</p> <p>Always wash hands and skin following insect bites/stings</p> <p>If desirable, use insect repellent to prevent bites and stings</p>
Vegetation	Reaction to plants/ skin irritation	2	3	6	<p>Minimise skin exposure.</p> <p>Do not cut/crush stems of plants e.g. hogweed/ giant hogweed (sap causes severe burns and skin irritation when exposed to UV light)</p>	<p>If you get giant hogweed sap on your skin, wash the area with mild soap and cool water as soon as you can. Keep the skin covered when you're outside to protect it from sunlight. Seek medical advice.</p>

Training Log. List All training received, including Health & Safety if possible.

Training	Date Acquired	Trainer
Phosphate Photometer		
Nitrate Photometer		
Ammonia Photometer		
pH and Temperature monitor		
Secchi Turbidity Tubes		
Flow rate measurements		
H&S advice/ risk assessment read and understood		
Lone working buddy: Catchment Coordinator contact details for buddy:		

Risk Understood and training received.

By:

At:

Date: