

Henleaze Swimming Club

Climate and Nature Emergency Action Plan

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1. Executive Summary

Henleaze Swimming Club Executive Committee, staff and members recognise that we all have a part to play to tackle the challenges of the Climate and Nature Emergency. This Action Plan sets out why action is important, and our plans to reduce our carbon and nature footprint, to restore nature and improve the resilience of the lake and grounds, as well as to inspire collective action by lake members and staff.

The Action Plan includes work already underway, committed work and concept ideas to be investigated which will help contribute to the [Bristol One City Climate Strategy](#) themes, [One City Ecological Emergency Strategy](#) Goals and the [Bristol Avon Catchment Plan](#).

These themes and goals are summarised in the diagram in section 5 and have been used to structure the Henleaze Lake Swimming Club Climate and Nature Emergency Action Plan.

The Club's Grounds Manager, Nature Group and Water Quality team will build on the work already underway to respond to the Nature Emergency by continuing to lead work to improve management of the lake for nature. The Club's Facilities Management Group will lead work to reduce the carbon and nature footprint of existing and new buildings and operations. With over 3000 members of the Club, the role of members is a significant focus of this action plan in terms of travel to and from the lake, improving water quality and reducing waste. There is also a wealth of expertise and knowledge among Club members which provides an exciting opportunity to share ideas and information to improve sustainability both for management, care and enjoyment of the lake, and across all areas of our work and lives.

It is important to note that for actions in the plan below, particularly for actions which are not yet committed and are at concept stage, that any proposal that involves significant expenditure or work by the Club will be considered alongside other Club objectives and priorities.

By putting this plan into action, we aim to progress our work together to protect and enhance the lake so that it continues to thrive for the benefit of nature and people now and for future generations.

Progress on the plan will be reviewed each year, and actions maybe further updated in response to new opportunities, priorities and changes in legislation.

Henleaze Swimming Club Executive Committee, June 2022

2. Henleaze lake

Situated in the heart of the Bristol suburb of Henleaze, three miles from the city centre and adjacent to [Badock's Wood](#) Local Nature Reserve, Henleaze lake is a former quarry, now lake set in beautiful nature rich grounds. Managed as a swimming lake since before 1919, the Lake is about four hundred metres long and between thirty and sixty metres wide, giving a total water area of 1.4 hectares. The total site area is 3.6 hectares. The northern third of the site has been designated as a nature area by the Club. The swimming area varies throughout the year; from 80 metres in the winter to 220 metres in high summer.

The site is owned by [Henleaze Swimming Club](#), a charity and company limited by guarantee, which is managed by an executive committee comprising Charity Trustees and a staff team responsible for operations, management of the site and supervision of swimmers and visitors.

The lake has been managed to enhance water quality and the natural environment of the grounds since it was first opened and is currently the only designated UK bathing water within the City of Bristol. By contrast locally only 11% of the Bristol Avon catchment is classified as having 'good ecological status', demonstrating the significant scale of the challenge to improve water quality across our area. Henleaze lake provides vital exposed limestone, wetland, grassland and woodland habitats for nature and is a haven for both wildlife and people in the city.

3. The Climate Emergency

Average global temperatures have now increased by over 1°C above pre-industrial levels, and according to the [Intergovernmental Panel on Climate Change](#) (IPCC) special report published in August 2021, human-induced climate change is already causing weather and climate extremes in every region across the globe. The [UN Environment Programme](#) reports that the US National Oceanic and Atmospheric Administration (NOAA) confirmed that in 2021, the global mean temperature between January and September 2021 was around 1.08 ± 0.13 °C above the 1850-1900 pre-industrial average. These trends are powerfully illustrated as 'warming stripes' by [Climate Lab Book](#)

As highlighted at CoP 26, the threshold of a 2 degrees global rise in temperature which will have dire consequences for the natural world and humanity is projected to be exceeded during the 21st Century unless deep reductions in CO₂ and other warming greenhouse gases occur in the coming decades. The UK Government's [Third Climate Change Risk Assessment](#) (CCRA3) highlights that *'While we aim to limit warming to 1.5°C, the evidence shows that we must be prepared for warming up to 4°C'*

Consequently, it is no longer correct to think of climate change as a potential future threat, but rather, it is a real and present danger to the lives and life-chances of people now living as well as to those not yet born, and to all life on earth.

The IPCC report tells us that only with ambitious action from national and sub-national authorities, civil society, the private sector, and local communities can we avoid the worst consequences. The Committee on Climate Change has said that the UK can reach Net Zero by 2050 and has set out the required steps to achieving this.

Governments and Councils are declaring a 'Climate Emergency' across the world and are committing resources to address this emergency. Bristol City Council declared a Climate Emergency in November 2018 pledging to take action to reduce carbon emissions to net zero by 2030 [Council action on climate change - bristol.gov.uk](https://www.bristol.gov.uk/council-action-on-climate-change)

4. The Nature Emergency

Alongside and linked to the Climate Emergency we also face a Nature (Ecological) Emergency. This is because globally and locally nature is in crisis and facing dramatic decline due to many factors including changes in land and water use, the changing climate, pollution, farming and development.

These pressures are causing a collapse of the natural ecosystems on which all life on earth, including human life, is part of and depends. The Global Assessment Report on Biodiversity and Ecosystem Services 2019 (IPBES) reports that:

- almost three quarters of land and 66% of marine environments have been significantly altered by humanity and more than 85% of wetland areas have been lost
- 60% of the world's wild animals have been lost since 1970 including 83% of wildlife in freshwater rivers and lakes
- 75% of human food crops rely on insect pollination, yet insect numbers are plummeting at alarming rates with significant implications for natural systems and human food supply

The [Environment Act 2021 \(legislation.gov.uk\)](https://www.legislation.gov.uk/uk/2021/10/1) sets out new requirements and standards to reverse the decline of nature and support nature recovery including Biodiversity Net Gain and reduce air and water pollution as explained in [World-leading Environment Act becomes law - GOV.UK \(www.gov.uk\)](https://www.gov.uk/world-leading-environment-act-becomes-law)

In February 2020 Bristol declared an 'Ecological Emergency' and published the [One City Ecological Emergency Strategy](#). The council's own [Ecological Emergency Action Plan](#) is a council-wide programme of activities to deliver on the ambitions of the One City Ecological Emergency Strategy and relevant aspects of the One City Climate Strategy. These Bristol themes and goals are summarised in the diagram in section 5 (page 6) and have been used to structure the Henleaze Lake Swimming Club Climate and Nature Emergency Action Plan.

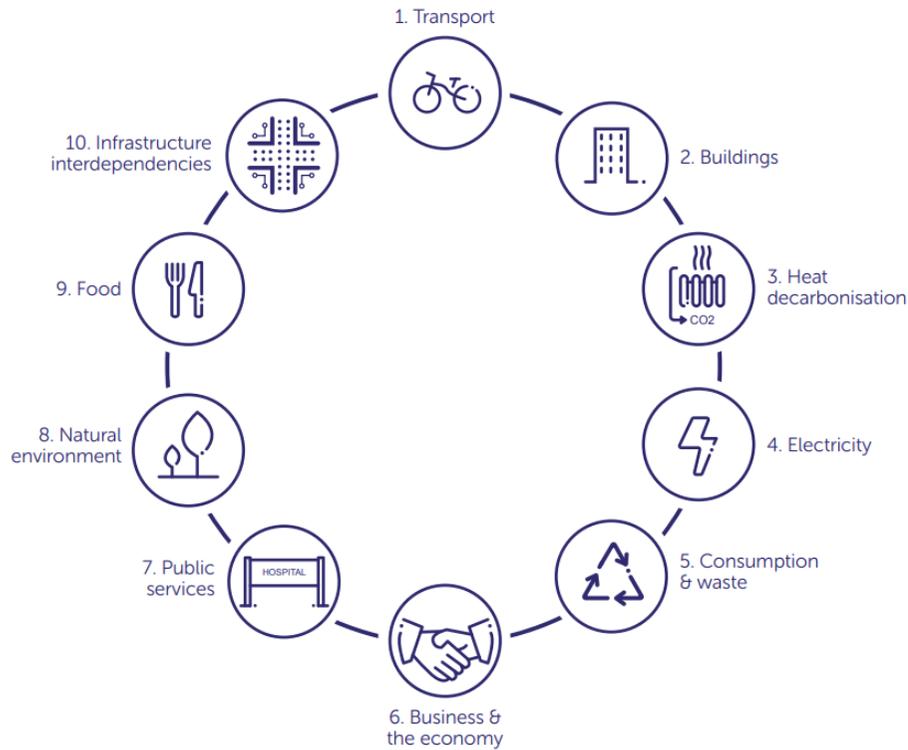


Photo – Common Darter - [British Dragonfly Society](#)

The Bristol One City Climate Emergency Strategy vision

“In 2030, Bristol is carbon neutral and climate resilient. We have collectively achieved a fair and inclusive transition; capturing the opportunities of new jobs and investment, improved health, wellbeing and education, and a better environment for local people. We have helped lead the way to a safer global climate.” [one-city-climate-strategy.pdf](#)
[\(bristolonecity.com\)](#)

5. Bristol One City Climate Strategy delivery themes and One City Ecological Emergency Strategy goals



[one-city-climate-strategy.pdf \(bristolonecity.com\)](https://www.bristolonecity.com/one-city-climate-strategy.pdf) 10 delivery themes

Key One City Ecological Emergency goals:

FAIR • JUST • INCLUSIVE	Space for nature At least 30% of land in Bristol to be managed for the benefit of wildlife by 2030	
	Pesticides Reduce the use of pesticides in Bristol by at least 50% by 2030	
	Pollution 100% of Bristol's waterways to have water quality that supports healthy wildlife by 2030	
	Our wider footprint People and businesses to reduce consumption of products that undermine the health of wildlife and ecosystems around the world	

[Bristol Ecological Emergency Strategy](#) 4 goals

6. Henleaze Lake Climate and Nature Emergency Action Plan goals

1. Build on the work already underway to enhance nature in the lake grounds and waters to improve biodiversity and water quality.
2. Take action for Henleaze lake to become carbon neutral by 2030 in our operations, new and existing buildings and wider footprint.
3. Engage and inspire lake members to get involved and play their part.
4. Work with the council, the Environment Agency and other partners to deliver these goals.
5. Contribute to the objectives of the Bristol One City Climate Emergency and Ecological Emergency Strategies.
6. Provide a report on progress and review of this action plan to the annual AGM thereafter.

7. Henleaze Lake Climate and Nature Emergency Action Plan

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	Henleaze lake Actions Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
TRANSPORT			
<p>Theme 1 Objective (i) Significant reduction in car mileage achieved through mode shift towards public transport, walking and cycling; commercial vehicle mileage reduced through freight consolidation; aiming for a total 40% reduction in vehicle miles</p>	<ul style="list-style-type: none"> • Prepare and implement a Travel Plan for Club Members and Staff • Actions to inform preparation of the Travel Plan include: <ul style="list-style-type: none"> ○ Baseline travel survey of Members and Staff and annual survey thereafter ○ GIS survey of where members live ○ Baseline travel survey report (<i>to inform Travel plan preparation</i>) ○ Preparation and launch of Travel Plan ○ New webpage with information about travelling to the Lake ○ Newsletter - Active Travel: walking, cycling, buses, Voi scooters and Big Issue electric bikes can all be used to come to the Lake. Information on cycle maintenance, cycle training (Lifecycle UK) and local bike shops ○ Newsletter to be emailed to members and be available at the Lake 	<p>To be prepared by the Climate and Nature Emergency Working Group.</p> <p>Operations team to carry forward.</p>	<p>June 2022</p>

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	<p style="text-align: center;">Henleaze lake Actions</p> <p style="text-align: center;">Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)</p>	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
BUILDINGS			
<p>Theme 2, Objective (i) New buildings are carbon neutral and climate resilient (aligning heat provision to the city’s heat decarbonisation programme).</p>	<ul style="list-style-type: none"> • Prioritise refurbishment of existing building over build of new buildings. • New buildings at the lake to be carbon neutral* and climate resilient and Biodiversity Net Gain is applied • Assess environmental impact and carbon emissions of building projects and apply biodiversity net gain (BNG) and carbon offset to all new works • Investigate possible green roof/ sustainable materials shelter - to replace the marquee 	Facilities Management Group	Ongoing
<p>Theme 2, Objective (ii) The energy performance of existing buildings in the city is improved to minimise heat demand, whilst preventing overheating, through tailored retrofit solutions.</p>	<ul style="list-style-type: none"> • Existing buildings assessed to identify retrofit recommendations as part of ongoing maintenance plans - to optimise energy performance to minimise heat demand and prevent overheating 	Facilities Management Group	Ongoing
<p>Theme 2, Objective (iii) All key stakeholders (with a focus on building owners and operators) work together to prepare and adapt our current building stock for future climate hazards.</p>	<ul style="list-style-type: none"> • Seek advice from the council and other organisations, and learn from other building owners - to develop and share good practice to prepare and adapt the lake buildings and grounds for current and future climate hazards. 	Facilities Management Group	To be considered when any new build proposed.

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	<p style="text-align: center;">Henleaze lake Actions</p> <p style="text-align: center;">Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)</p>	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
HEAT DECARBONISATION			
<p>Theme 3, Objective (i) Individual electric heat pumps installed in ~95,000 buildings which have been well-insulated to support the phase out of gas heating in Bristol.</p>	<ul style="list-style-type: none"> • Ensure all lake buildings are well insulated - to optimise energy performance to minimise heat demand and prevent overheating 	Facilities Management Group	To be considered when any existing Lake building is to be refurbished.
ELECTRICITY			
<p>Theme 4, Objective (i) Decarbonisation of the national grid will be supported by the extensive adoption of smart electricity solutions in Bristol.</p>	<ul style="list-style-type: none"> • Renewable electricity supplier/tariff for lake buildings and operations - <i>Currently the Club’s policy on renewal of an electricity supply is to go for the best value supplier. It is proposed that this is changed to the best value 100% renewable electricity supplier such as Octopus Energy or Ecotricity or ripple.energy.com/</i> • Phase out of petrol tools and machinery - <i>When tools/machinery reach end of life to be replaced with rechargeable tools where appropriate</i> <i>The Lake has a number of petrol driven grounds tools which could be replaced with rechargeable, quieter electricity powered versions. Proposed that electric replacement tools/machinery to be considered as current petrol tools come to the end of their life. Due to the noise created by the current petrol leaf blower as a first step in replacing all petrol driven tools, an electric leaf blower is recommended. To note that changes to mowing frequency to improve biodiversity will also help reduce petrol use.</i> 	<p>Operations team</p> <p>Grounds Team</p>	<p>Switch to 100% renewable energy supplier at next contract renewal.</p> <p>Ongoing</p>

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	<p style="text-align: center;">Henleaze lake Actions</p> <p style="text-align: center;">Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)</p>	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
<p>Theme 4, Objective (ii) Renewable generation within the city will be maximised, including approx. 350MW solar.</p>	<ul style="list-style-type: none"> • Renewable Energy generation - Investigate opportunities for renewable energy generation at the lake <i>Main electricity use at the Lake is the sauna, showers and heating, aerator use in the summer, and flood pump in the winter. Solar panels (roof or ground mounted) were considered several years ago but were not found to be advantageous. As the cost of renewal energy options have come down subsequently, it was proposed that we look at:</i> <ul style="list-style-type: none"> • Solar panels • Water source heat pump • calculate a ten-year carbon footprint for the Lake to help baseline and evaluate options. 	Facilities Management Group with assistance of the Climate and Nature Emergency Working Group.	
CONSUMPTION AND WASTE			
<p>Theme 5, Objective (ii) Everyone follows principles of responsible consumption, using and buying less and buying carbon neutral goods and services.</p>	<ul style="list-style-type: none"> • Paperless membership renewals and cards - This is already under consideration and will include how the booking system can be streamlined • Single use plastic free Lake – 1. Comms to members 2. Staff milk, plastic free tea bags etc 3. Single use plastic free events • Recycling at the Lake - Paper, cardboard, glass, plastic, cans and metal waste already being recycled. Can we recycle anything else? Eg compost paper towels from the toilet block? • Reducing water use – 1. Planting perennial drought resilient plants rather than annuals 2. Measures to improve water conservation for taps, showers, water butts • Lake water used for grounds maintenance 	<p>Operations team</p> <p>Operations team</p> <p>Operations team</p> <p>Operations team/ Grounds Team</p> <p>Grounds Team</p>	<p>First Quarter 2023</p> <p>May 2023</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	Henleaze lake Actions Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
	<ul style="list-style-type: none"> • Composting – green waste to be composted on site and no bonfires in lake grounds – green waste that cannot be used or composted to be removed by licensed green waste collection 	Grounds Team	Ongoing
Theme 5, Objective (iii) Significant levels of waste reduction (particularly for food, textiles, and plastic)	<ul style="list-style-type: none"> • Food waste – remind members that all waste must be taken off site and no waste is to be disposed of at the lake • Events at the lake – discourage single use plastic and organisers to set clear arrangements for use of food not used at the event 	Operations team Operations team	May 2023 May 2023
Theme 5, Objective (iv) At least 65% of all ‘waste’ is repaired, recycled or re-used.	<ul style="list-style-type: none"> • Effective maintenance - Minimise waste and optimise longevity and re use of tools, equipment, machinery, buildings and outdoor structures including benches and fencing through effective maintenance • Skips – only used single material waste to maximise recycling potential – thus reducing landfill. 	Facilities Management Group	Ongoing Ongoing
BUSINESS AND THE ECONOMY			
Theme 6, Objective (i) All businesses and organisations in Bristol are carbon neutral (direct and supply chain emissions) and will annually record and measure scope 1, 2 and 3 GHG emissions.	<ul style="list-style-type: none"> • Emissions - Annual record of scope 1,2 and 3 Greenhouse Gas emissions (see references for definition), to track progress to net zero Greenhouse Gas Protocol (ghgprotocol.org) – See references for more detail • BBQ - used for Club events only using dry seasoned sustainably sourced wood as required by the Environment Act 2021 (legislation.gov.uk) Summary at World-leading Environment Act becomes law - GOV.UK (www.gov.uk) 	Climate and Nature Emergency Working Group to investigate feasibility for Lake. Operations team	January 2023 Ongoing

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	<p style="text-align: center;">Henleaze lake Actions</p> <p style="text-align: center;">Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)</p>	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
<p>Theme 6, Objective (iii) Businesses improve resilience to climate hazards through collaborative organisational strategy, planning and operation. Provision of services to the most vulnerable in society is prioritised.</p>	<ul style="list-style-type: none"> • Henleaze lake Climate and Nature Emergency Action Plan prepared, agreed, and implemented • Social prescribing, wider usage, more diverse membership and community access - to enable more diversity of people to benefit from the health and wellbeing benefits of the lake 	<p>Climate and Nature Emergency Working Group</p> <p>Operations team</p>	<p>July 2022</p> <p>Ongoing</p>
PUBLIC SERVICES			
Theme 7 – not applicable			
NATURAL ENVIRONMENT			
Adaptation and resilience to the changing climate – One City Climate Strategy Theme 8			
<p>Theme 8, Objective (ii) The city’s natural environment (including canopy cover and biodiversity) has been restored, preserved and enhanced to maximise carbon sequestration in carbon sinks, climate resilience and health and wellbeing.</p>	<ul style="list-style-type: none"> • Tree planting plan - including succession planting and ash dieback management • Continue to enhance species rich meadow areas, hedgerows and woodland habitat at the lake • Continue to used nature-based systems to improve water quality and biodiversity including floating treatment wetlands, submerged oxygenated plant beds, marginal aquatic planting, reed beds and other natural based techniques 	<p>Grounds Team</p> <p>Grounds Team</p> <p>Water Quality and Grounds Teams</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	<p style="text-align: center;">Henleaze lake Actions</p> <p style="text-align: center;">Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)</p>	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
	<ul style="list-style-type: none"> • Consider nature-based solutions to improve flood resilience - such as a swale and/or pond and additional planting in old car park area to catch run-off from surrounding area • Sediment Management Plan – use only nature-based solutions i.e. aquatic chalk application - spring and autumn 	<p>Water Quality and Grounds Teams</p> <p>Water Quality and Grounds Teams</p>	<p>Ongoing</p> <p>Ongoing</p>
<p>Theme 8, Objective (iv) Bristol businesses and organisations are wildlife friendly by providing habitats, birdboxes or sponsoring the development of green infrastructure in an effort to recover wildlife lost as a direct result of climate change or urbanisation</p>	<ul style="list-style-type: none"> • Lake water temperature monitored to track change and patterns over time • Camera trap surveys – to monitor wildlife • Birdwatch annual monitoring • Creation of habitat piles and insect hibernacula • Bird and bat boxes • Fisheries management policy – continue policies to reduce fish stock to carry capacity of Lake i.e. nature sustainable level of fish stock • Pond - a new pond could be created to support amphibian populations • Bioblitz event - to undertake species biodiversity and abundance monitoring 	<p>Water Quality and Grounds Teams</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Autumn 2022</p> <p>Ongoing</p>

Bristol One City Climate and One City Ecological Emergency Strategy Themes and Objectives/Goals	Henleaze lake Actions Actions underway – Actions agreed (not yet started) – Concept (ideas to be investigated)	Responsible in conjunction with Club’s Executive Committee	Target Achievement Timescale
Space for Nature - One City Ecological Emergency Strategy Goal 1			
Ecological Emergency Goal 1 at least 30 per cent of land in Bristol to be managed for the benefit of wildlife by 2030	<ul style="list-style-type: none"> • Continue to improve management of the lake grounds for nature - led by the Grounds Manager and Nature Group • Produce an overall nature management plan, to include the Tree Planting Plan • Biosecurity Policy – raise awareness among staff and members of steps which can reduce the risk of invasive species and disease being transferred to (or from) the Lake using existing Biosecurity Policy and information posts at the Lake. 	Grounds Team Grounds Team Grounds Team/ Operations team	Ongoing Ongoing June 2022 (Newsletter)
Pesticides - One City Ecological Emergency Strategy Goal 2			
Ecological Emergency Goal 2 reduce the use of pesticides in Bristol by at least 50 per cent by 2030	<ul style="list-style-type: none"> • Pesticide and Herbicide Policy – generally pesticides and herbicides are not used at the Lake but there are specific contexts where controlled use may be required including control of non-native invasive plants. NB Pesticides and herbicides must not be allowed to enter the Lake water. 	Grounds Team	Ongoing
Pollution – water quality - One City EE Strategy Goal 3			
Ecological Emergency Goal 3 100 per cent of Bristol’s waterways to have excellent water quality which supports healthy wildlife by 2030	<ul style="list-style-type: none"> • Use of eco-friendly cleaning products - Eco-friendly cleaning products are used at the Lake. Ensure all cleaning products are eco-friendly. • Eco friendly sunscreen - Eco-friendly sunscreen is provided for staff use. Communications, samples and other action to encourage members to use eco-friendly products 	Operations team Operations team	Ongoing Ongoing

	<ul style="list-style-type: none"> • Staff training – to raise awareness among staff of operational considerations which will support climate and nature goals and also support engagement of members • Aeration system – used outside of swimming hours to improve oxygenation of the lake. When due to be replaced, less energy and quieter models to be investigated. • Water quality - monitored by Club and Environment Agency to ensure aligned with UK bathing water designation and water quality improvement program • Water temperature recorded – to track temperature change over time • Micro plastics - Investigate scope to monitor micro plastics in the water 	<p>Operations team</p> <p>Water Quality Team</p> <p>Water Quality Team</p> <p>Water Quality Team</p> <p>Water Quality Team</p>	<p>May 2023</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Summer 2022</p>
Wider footprint - One City EE Strategy Goal 4			
<p>Ecological Emergency Goal People and businesses to reduce consumption of products that undermine the health of wildlife and ecosystems around the world.</p>	<ul style="list-style-type: none"> • Green banking - <i>the Club's funds could be lodged with an ethical bank that does not invest in the fossil fuel sector. Suggested alternatives to the Club's current bank include Triodos, Nationwide and CAF Bank. Club's Reserve Fund to be considered first.</i> • Preparation of a Sustainable Procurement Policy - which includes Identifying opportunities to reduce biodiversity impacts and carbon emissions of suppliers and services eg for local sustainable building materials, plants/trees etc • Fair trade, organic tea/coffee – to be investigated for staff and events 	<p>Finance Team</p> <p>Operations team with Climate and Nature Emergency Working Group</p> <p>Operations team</p>	<p>December 2022 (Reserve Fund)</p> <p>May 2023</p> <p>May 2023</p>

	<ul style="list-style-type: none"> • Sustainable swimwear – promote awareness re sustainable swim wear, wetsuits and dry robes etc made from sustainable fibres and microplastic free • Raising awareness among staff and members of ways to reduce climate and nature footprint via staff training and member communications 	<p>Climate and Nature Emergency Working Group</p> <p>Climate and Nature Emergency Working Group with Operations team</p>	<p>June 2022 (Newsletter)</p> <p>May 2023</p>
FOOD			
<p>Theme 9, Objective (iv) Our citizens will have a more plant-based diet, minimise food waste and support an increase in the market for sustainable and carbon neutral food.</p>	<ul style="list-style-type: none"> • Planting of fruit and nut trees to be included in the Tree Planting Plan • Reducing food waste and miles - communication to members regarding no waste on site and wider importance of minimising food waste and how we can all support local sustainable food to reduce food miles and support local growers/business 	<p>Grounds Team</p> <p>Climate and Nature Emergency Working Group with Operations team</p>	<p>Ongoing</p> <p>January 2023</p>
INFRASTRUCTURE AND DEPENDENCIES			
<p>Theme 10 Objective (iii) We understand the risk extreme weather events pose across our infrastructure systems and collaborate to improve resilience.</p>	<ul style="list-style-type: none"> • Resilience to the changing climate - Ensure considerations re resilience to current and future anticipated risks re extreme weather events are included in all decision making, projects and operations • Working with other partners - including the Friends of Badock's Wood (fobw.org.uk) and Trout in the Trym Group to enhance and improve nature to be 'bigger, better, more and connected' locally in line with the West of England Nature Partnership Nature Recovery Strategy 2021-2030 - WENP • Working with members 	<p>Board of Trustees</p> <p>Board of Trustees</p> <p>Operations team</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>

8. Tracking and reporting on progress

A review of progress and an update of this action plan will be reported to the annual Henleaze lake AGM and passed to the Bristol One City Sustainability Team to feed into reporting on work and progress across the city towards the One City Climate and Ecological Emergency themes, goals and objectives and the Bristol Avon Catchment Plan.

9. References

- [Henleaze Swimming Club](#)
- [Friends of Badock's Wood \(fobw.org.uk\)](http://fobw.org.uk)
- [one-city-climate-strategy.pdf \(bristolonecity.com\)](#)
- [Bristol City Council Ecological Emergency Action Plan 2021-2025](#)
- [Bristol One City Ecological Emergency Strategy 2020](#)
- [Bristol Avon Catchment Partnership | Wessex Water](#)
- [Bristol one-city-climate-strategy.pdf \(bristolonecity.com\)](#)
- [British Dragonfly Society](#)
- [Intergovernmental Panel on Climate Change \(IPCC\) special report published in August 2021](#)
- [Climate Lab Book](#)
- [Government publishes UK's Third Climate Change Risk Assessment \(CCRA3\), January 2022](#)
- <https://showery.co.uk/>
- [Greenhouse Gas Protocol | \(ghgprotocol.org\) including definition of GHG Protocol and GHG emission scope](#)
- [Biosecurity for clubs - Check, Clean, Dry - GB non-native species secretariat \(nonnativespecies.org\)](#)
- [\(nonnativespecies.org\)DEFRA Check Clean and Dry campaign](#)
- [West of England Nature Partnership Nature Recovery Strategy 2021-2030 - WENP](#)
- [World-leading Environment Act becomes law - GOV.UK \(www.gov.uk\)](#)
- [Environment Act 2021 \(legislation.gov.uk\)](#)
- [What is 'Trout in the Trym' About? - Trout in the Trym](#)
- [Welcome to SusWoT - Sustainable Westbury-on-Trym SusWoT](#)

- **[Greenhouse Gas Protocol](#) definition of direct and indirect scope 1, 2 and 3 emissions**

'The GHG Protocol defines direct and indirect emissions as follows:

- Direct GHG emissions are emissions from sources that are owned or controlled by the reporting entity.
- Indirect GHG emissions are emissions that are a consequence of the activities of the reporting entity, but occur at sources owned or controlled by another entity.

The GHG Protocol further categorizes these direct and indirect emissions into three broad scopes:

- Scope 1: All direct GHG emissions.
- Scope 2: Indirect GHG emissions from consumption of purchased electricity, heat or steam.
- Scope 3: Other indirect emissions, such as the extraction and production of purchased materials and fuels, transport-related activities in vehicles not owned or controlled by the reporting entity, electricity-related activities (e.g. T&D losses) not covered in Scope 2, outsourced activities, waste disposal, etc.'

Contact – [Henleaze Swimming Club contact us](#)