



# GLASGOW

## Local Biodiversity Action Plan Delivery Plan 2024-2029





The implementation of the following projects and actions will support the delivery of the Glasgow LBAP aims and objectives



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## Introduction

The new Local Biodiversity Action Plan (LBAP) Delivery Plan covers the years 2024 to 2029. Many of the actions in the previous plan (2017-2023) have been achieved and these have been reported on through the annual Biodiversity Monitoring Reports and the Biodiversity Duty Reports to Scottish Government. Since the previous plan was written there have been significant changes in priorities for biodiversity which are reflected in the new actions.

## Climate and Ecological Emergency

The Council declared a Climate and Ecological Emergency in May 2019. A short-life Ecological Working Group, consisting of elected members, council officers and experts from environmental groups, agreed 25 recommendations which were incorporated into the Glasgow Climate Plan

The key actions within the Climate Plan for biodiversity are Action 38 “Support new and further extensions to Local Nature Reserves in the city, protecting and enhancing biodiversity and habitat connectivity” and Action 48 “The Council works with partner organisations, adjacent local authorities, the city’s academic institutions to fund accelerated implementation of the Glasgow LBAP, Open Space Strategy Delivery Plan and Pollinator Plan”.

The LBAP Delivery Plan addresses both these actions. Action 38 is addressed in Urban: Parks and Open Spaces Action 3 “Designate a further 10 LNRs” and Action 7 “Create and enhance Green Connector sites city-wide”. These actions are supported by further actions on conservation volunteering, biological recording and habitat management many of which take place on Local Nature Reserves in the city. For Climate Plan Action 48, the LBAP Partnership continues to collaborate to implement the LBAP and the Pollinator Plan, working with others, including adjacent local authorities, on projects to enhance biodiversity habitats and species including seeking wider funding and undertaking habitat management through the Nature Restoration Fund.

Within the Climate Plan there is a focus on nature-based solutions for climate mitigation and adaptation with obvious opportunities and benefits for creating and enhancing biodiversity.

## Scottish Biodiversity Strategy

Scotland faces an unprecedented nature-climate crisis. In light of mounting evidence that Scotland continues to experience dramatic declines in biodiversity, the Scottish Government has set out an ambitious new framework to halt biodiversity loss and be Nature Positive by 2030 and to have restored and regenerated biodiversity across the country by 2045. The LBAP Delivery Plan supports the new Scottish Biodiversity Strategy and its Delivery Plan by implementing actions at a local level.

## UN Sustainable Development Goals

The 2030 Agenda for Sustainable Development provides a shared plan for peace and prosperity for both people and planet. As part of this, the UN Sustainable Development Goals (SDGs) are a global call to action. Scotland signed up to the SDGs in 2015. Glasgow mapped out the climate recommendations and implementation plan in accordance with the UN SDGs.



## Glasgow Open Space Strategy

The Glasgow Open Space Strategy was approved in February 2020. Open spaces can help enhance biodiversity with opportunities particularly for pollinators and for addressing the ecological emergency along with nature-based solutions for climate adaptation. It is important that any nature-based solutions deliver for biodiversity and not simply for climate action, so that protected species or local priority species and habitats are protected for their intrinsic value in multi-use greenspaces.

## Community Involvement

Community engagement and involvement through volunteer activity and Friends of Parks groups is a vital element for biodiversity action city-wide and includes practical conservation tasks and citizen science projects as well as events which raise awareness of nature and wildlife. Quality greenspaces which include biodiversity provide physical and mental health and wellbeing benefits.

## Improving Biodiversity

There is a continued focus on protecting and enhancing pollinator habitat and species through the Pollinator Plan within the LBAP and Delivery Plan with two parks, Queen's Park and Hogganfield Park, designated as Pollinator Parks and meadow creation and management taking place city-wide.

The Green Connectors project provides new or improved habitat for pollinators and other wildlife and contributes to the proposed Nature Network running through the city as do actions within the Glasgow Tree Plan

Invasive non-native species remain a threat to our native fauna and flora and work continues to monitor and eradicate or control INNS. The spread and variety of INNS is likely to change with climate change.

Soil health and the health of the soil fungal network is vital; and regenerative agricultural practices and good practice in managing allotments and food growing sites across the city will contribute to protecting soil biodiversity.

## The Way Forward

The following table of actions is the result of workshops and discussion between the LBAP Partnership and other interest groups and the implementation and achievement of these actions over the five-year period of the plan will support the Scottish Biodiversity Strategy aims and objectives and help halt and reverse the decline of biodiversity in Glasgow.



Number	Action	Date	Lead Agency	Delivery of
	GRASSLAND			G
1.	Review grassland management and identify locations of grassland that is species-rich grassland; amenity-cut; reduced cuts; perimeter cut; and their value for biodiversity	2024-2025	GCC-NRS	G
2.	Maintain and update grassland map on GIS	2024-2029	GCC-NRS	G
3.	Manage 30 key grassland sites annually as species-rich meadows in a sustainable manner, on GCC land	2024-2029	GCC-NRS	G
4.	Use existing BSBI data to identify key priority sites with floral species of interest	2024	BSBI	G

Number	Action	Date	Lead Agency	Delivery of
5.	Identify and create Green Connector grassland areas city-wide as part of Glasgow's Nature Network; and connecting existing meadows/ grasslands	2024-2026	GCC-NRS/TCV/RSPB/SC	G
6.	Continue to maintain GCC wildflower nursery at Pollok Country Park	2024-2029	GCC-NRS	G
7.	Encourage sowing and growing of Scottish provenance wildflowers	2024-2029	GCC-NRS	G
8.	Install signage to highlight importance of grasslands at key sites	2024-2026	GCC-NRS	G
9.	Implement dwarf shrub heath annual management at 1 site annually	2024-2029	GCC-NRS	G
10.	Carry out survey of rare plants (Burnet-saxifrage, Mountain Pansy, Butterfly Orchid) annually	2024-2029	GCC-NRS/BSBI	G
11.	Carry out annual management of Glasgow Museums Resource Centre meadow	2024-2029	GL	G

Number	Action	Date	Lead Agency	Delivery of
12.	Investigate grazing as a conservation management tool for meadows (see Farmland)	2024-2029	GCC-NRS	G
13.	Encourage community groups to create, enhance and maintain new urban meadows	2024-2029	GCC-NRS/TCV	G
14.	Promote grassland meadows as temporary greening on VDL sites where appropriate	2024-2029	GCC-NRS	G





Number	Action	Date	Lead Agency	Delivery of
	WOODLAND			WO
1.	Implement the Glasgow Tree Plan	2024-2029	GCC-NRS	WO
2.	Support the delivery of biodiversity objectives/ actions within the Clyde Climate Forest and Forestry & Woodland Strategy	2024-2029	GCC-NRS	WO
3.	Manage woodlands that have natural components and features such as suitable watercourses, existing open glades and other suitable habitats to optimise their biodiversity standing across the long-term to sustain/ support flora, fauna and pollinators	2024-2029	GCC-NRS	WO

Number	Action	Date	Lead Agency	Delivery of
4.	Where possible allow natural processes to take place, encouraging associated wildflowers, lichens and other species	2024-2029	GCC-NRS	WO
5.	Promote new large woodland planting which includes glades and rides for pollinators, especially butterflies and moths	2024-2029	GCC-NRS	WO
6.	Manage low risk deadwood, including standing, where feasible to provide biodiversity value in city parks and greenspaces	2024-2029	GCC-NRS	WO
7.	Allow scope for natural resilience to Ash Dieback by leaving Low Risk Ash to ascertain if they will continue to show resistance to AD over the next 5 – 10 years with potential to create seed banks for tree nurseries to grow resilient stock.	2024-2029	GCC-NRS	WO
8.	Encourage soil health by leaving fallen leaves where practicable city-wide	2024-2029	GCC-NRS	WO

Number	Action	Date	Lead Agency	Delivery of
9.	Identify sites suitable for low-cost tree and woodland natural regeneration through e.g. seed dispersal	2024-2025	GCC-NRS	WO
10.	Survey, evaluate and map Ancient and Veteran trees within city	2024-2029	TCV/SC	WO
11.	Carry out management to improve ground flora in plantation woodlands	2024-2029	GCC-NRS/TCV	WO
12.	Carry out annual monitoring of rare woodland plants	2024-2029	GCC-NRS	WO
13.	Raise awareness to community groups of choosing native and/or pollinator-friendly trees from free tree packs	2024-2029	TCV/SWT/GNHS	WO



Number	Action	Date	Lead Agency	Delivery of
	WETLAND			WE
1.	Ensure that rivers, ponds and canal are included in Nature Network across city	2024-2025	GCC-NRS	WE
2.	Ensure that new SUDS contribute to biodiversity-rich wetland network	2024-2029	GCC-NRS	WE
3.	Promote river restoration and deculverting projects	2024-2029	GCC-NRS	WE
4.	Implement wetland management for biodiversity as part of Seven Lochs Wetland Project	2024-2029	SLWP	WE
5.	Create a priority list of ponds for action at Seven Lochs Wetland Park	2024	SLWP	WE

Number	Action	Date	Lead Agency	Delivery of
6.	Continue peatland restoration of raised bogs	2024-2029	SLWP	WE
7.	Carry out peat depth surveys and habitat quality surveys for peatlands in Glasgow	2025-2026	SLWP	WE
8.	Investigate funding for survey of Sphagnum cover on raised bogs	2024-2025	BSBI/SLWP	WE
9.	Carry out wetland management at key sites, including new pond creation and assessments of pond health	2024-2029	GCC-NRS	WE
10.	Identify key indicator species/priority species for wetlands	2025-2026	GCC-NRS/BSBI	WE
11.	Implement the Water Vole Conservation Action Plan	2024-2029	SLWP/GCC-NRS	WE
12.	Update water vole distribution map and annually update trigger map for development planning	2024-2029	GCC-NRS	WE
13.	Carry out riparian water vole surveys at 2 sites per year and monitor for mink activity	2024-2029	GCC-NRS	WE
14.	Carry out annual blue green algal monitoring at sites city-wide as required	2024-2029	GCC-NRS/SC	WE

Number	Action	Date	Lead Agency	Delivery of
15.	Carry out annual WeBS counts at 15 key sites	2024-2029	GCC-NRS	WE
16.	Monitor snipe species at key wetland sites	2024-2029	SOC	WE
17.	Monitor amphibian populations at key ponds/wetlands	2024-2029	Froglife/CARG/SC	WE
18.	Monitor INNS and protected freshwater fish species	2024-2029	CRF/SC	WE
19.	Identify key Common Toad breeding sites and carry out surveys	2024-2025	CARG/Froglife	WE
20.	Investigate funding for e-DNA sampling of ponds for newts	2024-2025	Froglife/CARG/SC	WE
21.	Promote NS guidance for commercial dog walking companies to help prevent disturbance to ponds and other wetlands	2024	NS	WE



Number	Action	Date	Lead Agency	Delivery of
	FARMLAND			
1.	Manage 50 hectares as species-rich grassland on GCC owned farmland	2024-2029	GCC-NRS	F
2.	Investigate grazing as a conservation management tool at Dawsholm Park, Carnbooth and Pollok Country Park and other sites	2024-2029	GCC-NRS	F
3.	Continue to create and enhance native hedgerows	2024-2029	GCC-NRS	F
4.	Carry out surveys for Yellowhammer and Grey Partridge	2025-2026	SOC	F
5.	Monitor breeding tree sparrow populations at Millichen farms	2024-2029	Clyde Ringing Group	F

Number	Action	Date	Lead Agency	Delivery of
6.	Increase opportunities for regenerative agriculture projects to improve soil health for biodiversity	2024-2025	GCC-NRS	F



Number	Action	Date	Lead Agency	Delivery of
	URBAN: PARKS AND OPEN SPACES			UPS
1.	Maintain and update the Biological Audit	2024-2029	GMBRC	UPS
2.	Seek funding to co-ordinate an updated priority species list using the biological audit	2024-2025	GMBRC	UPS
3.	Identify and map Glasgow's Nature Network	2024-2025	GCC-NRS	UPS



Number	Action	Date	Lead Agency	Delivery of
4.	Aim to deliver connectivity of integrated habitat networks throughout the city through the planning process	2024-2029	GCC-NRS	UPS
5.	Create and enhance Green Connector sites city-wide	2024-2029	GCC-NRS	UPS
6.	Continue designation process of 22 approved Local Nature Reserves	2024-2029	GCC-NRS	UPS
7.	Ensure new developments enhance biodiversity through NPF4 and Developing With Nature Guidance	2024-2029	GCC-NRS	UPS
8.	Encourage the development of Green Roofs through the planning process	2024-2029	GCC-NRS	UPS
9.	Encourage incorporation of spaces for building dwelling species such as swift in new buildings where appropriate	2024-2029	GCC-NRS/RSPB	UPS

Number	Action	Date	Lead Agency	Delivery of
10.	Promote management of allotments and community gardens to include biodiversity protection, creation and enhancement through the growing of fruit, vegetables, herbs, flowers and other actions	2024-2029	GCC-NRS	UPS
11.	Encourage training in species identification at all levels and skill sharing linked to the GMBRC	2024-2029	GMBRC/TCV/GNHS	UPS
12.	Encourage uptake on taxa training for under-recorded groups	2024-2029	GNHS/GMBRC	UPS
13.	Continue to ring Lesser Black-Backed Gulls, Blackheaded Gulls and other bird species to allow monitoring of bird movements, breeding and overwintering sites	2024-2029	Clyde Ringing Group	UPS



Number	Action	Date	Lead Agency	Delivery of
	URBAN: AWARENESS RAISING			UAR
1.	Produce Biodiversity Duty Report for Scottish Government	2024/2027	GCC-NRS	UAR
2.	Carry out events with community and friends' groups in LNRs and other greenspaces as part of community engagement and sustainable neighbourhoods	2024-2029	GCC-NRS	UAR
3.	Support development of green skills and training including GCC Climate Ready Apprentices and Glasgow colleges	2024-2029	GCC-NRS	UAR

Number	Action	Date	Lead Agency	Delivery of
4.	Promote Glasgow biodiversity and engagement through teacher training events and Eco Schools days	2024-2029	GCC-NRS/RSPB	UAR
5.	Raise awareness of biodiversity value through delivering Outdoor Learning sessions for Glasgow Schools, colleges (Curriculum for Excellence) and youth groups	2024-2029	GCC-NRS/RSPB	UAR
6.	Continue to encourage conservation volunteering through undertaking projects at greenspaces in the city	2024-2029	GCC-NRS/RSPB/TCV	UAR
7.	Support BCS new campaign on Wild Spaces by registering 10 nectar-friendly sites each year	2024-2029	GCC-NRS/BCS	UAR
8.	Support the management and care of Wee Forests/ Tiny Forests throughout the city	2024-2029	NS/GCC-NRS	UAR
9.	Promote and implement RSPB North Glasgow Greener Futures project	2024-2029	RSPB	UAR
10.	Organise City Nature Challenge for Glasgow	2024-2029	RSPB	UAR

Number	Action	Date	Lead Agency	Delivery of
11.	Run weekly events at Kelvingrove Museum to raise awareness of birds and other wildlife	2024-2029	RSPB	UAR
12.	Continue to promote biodiversity projects within the 7 Lochs wetland park	2024-2029	SLWP	UAR
13.	Continue to engage with communities in practical activities within 7 Lochs area	2024-2029	SLWP	UAR
14.	Encourage soil health improvement across allotments and community gardens via no dig gardening, mulching, cover crops, organic practices and permaculture principles	2024-2029	GCC-NRS	UAR
15.	Raise awareness of the importance of soil fungi and the fungal network for tree and woodland health and in other ecosystems	2024-2029	GCC-NRS	UAR



Number	Action	Date	Lead Agency	Delivery of
	<b>POLLINATOR PLAN</b>			PP
1.	Monitor the Pollinator Plan through annual LBAP Monitoring Report and Biodiversity Duty Reports	2024-2029	GCC-NRS	PP
2.	Continue to protect habitat and species value through the designation and maintenance of SSSIs, LNRs and SINCs	2024-2029	GCC-NRS/NS	PP
3.	Investigate funding opportunities to allow survey of key habitats for pollinators	2024-2025	GCC-NRS/TCV/SC	PP
4.	Promote new large woodland planting which includes glades and rides to benefit butterflies and moths (see Woodland)	2024-2029	GCC-NRS	PP

Number	Action	Date	Lead Agency	Delivery of
5.	Grow pollinator-friendly plants in the Pollok Wildflower Nursery	2024-2029	GCC-NRS	PP
6.	Plant pollinator-friendly wildflowers city-wide at SINCS, LNRs, Parks and other greenspaces	2024-2029	GCC-NRS/TCV	PP
7.	Ensure early and late nectar sources in plantings	2024-2029	GCC-NRS	PP
8.	Enhance key pollinator sites with food plants for priority species	2024-2029	GCC-NRS/BCS/SLWP	PP
9.	Carry out surveys and monitoring of butterflies, bees and hoverflies at key sites	2024-2029	GCC-NRS/BCS	PP
10.	Continue to co-ordinate butterfly transects at a minimum of 4 sites	2024-2029	GCC-NRS/TCV	PP
11.	Maintain Beewalk transects at key sites	2024-2029	BBCT	PP
12.	Raise awareness of the importance of pollinators through website information, leaflets, events	2024-2029	GCC-NRS/ BL/BCS/ FoES(GG)/SLWP	PP

Number	Action	Date	Lead Agency	Delivery of
13.	Provide information to support creation of additional nectar-rich plantings to compensate for new honeybee hive locations	2024-2029	GCC-NRS	PP



## Acronyms

BBCT	Bumblebee Conservation Trust
BCS	Butterfly Conservation (Scotland)
BL	Buglife
BSBI	Botanical Society of Britain and Ireland
CARG	Clyde Amphibian and Reptile Group
CRF	Clyde River Foundation
FoES (GG)	Friends of the Earth Scotland (Glasgow Group)
GCC	Glasgow City Council
GIS	Geographic Information System
GL	Glasgow Life
GMBRC	Glasgow Museums Biological Records Centre
GNHS	Glasgow Natural History Society
LBAP	Local Biodiversity Action Plan
LNR	Local Nature Reserve
NPF4	National Planning Framework 4
NRS	Neighbourhoods, Regeneration & Sustainability
NS	NatureScot
RSPB	Royal Society for the Protection of Birds
SC	Scottish Canals
SINC	Site of Importance for Nature Conservation
SLWP	Seven Lochs Wetland Park
SOC	Scottish Ornithologists' Club
SSSI	Site of Special Scientific Interest
SUDS	Sustainable Drainage System
SWT	Scottish Wildlife Trust
TCV	The Conservation Volunteers
VDL	Vacant and Derelict Land
WeBS	Wetland Bird Survey

