



# GLASGOW

LOCAL BIODIVERSITY ACTION PLAN

IMPLEMENTATION PLAN





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







The actions cover 2018-2023 after which a new Implementation Plan will be prepared to cover the final five years of the LBAP.



## GRASSLAND

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
1	Update grassland map on GIS	2018	GCC - LES
2	Manage 30 key grassland sites as traditional meadows in a sustainable manner, on GCC land	2018 - 2023	GCC - LES
3	Enhance areas of unmown grassland by introducing local provenance wildflowers. Enhance 1 Ha annually	2018 - 2023	GCC - LES
4	Create or extend 5 new meadows city-wide	By 2023	GCC - LES
5	Enhance existing meadows by wildflower planting at 8 sites	2018 - 2023	GCC - LES
6	Establish and identify mechanism to maintain GCC wildflower nursery at Pollok Country Park	2018 - 2023	GCC - LES / TCV
7	Encourage sowing and growing of Scottish provenance wildflowers	2018 - 2023	GCC - LES
8	Trial new council cut and collect equipment for meadow management	2018 - 2019	GCC - LES
9	Implement dwarf shrub heath annual management at 1 site	2018 - 2023	GCC - LES
10	Carry out survey of rare plants (Burnet-saxifrage) annually	2018 - 2023	GCC - LES
11	Carry out annual management of Glasgow Museums Resource Centre meadow	2018 - 2023	GL
12	Enhance water vole meadow at The Bridge, Easterhouse	2018 - 2023	GL / SLWP
13	Use cattle grazing as a management tool for meadows (see Farmland)	2018 - 2023	

# WOODLAND

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
1	National Vegetation Classification (NVC) survey of Pollok Country Park Wood Pasture and Parkland Habitat to identify exact species compositions and conditions as base point for future management planning and assessments	2018 - 2023	GCC-LES
2	Individual management plans for Ancient and Veteran trees within Wood Pasture and Parkland Habitat in Pollok Country Park	2018 - 2023	GCC-LES
3	Improve condition of Upland Mixed Ashwoods and Upland Oakwoods woodlands at Cart & Kitchie SSSI	2018	GCC-LES
4	Assess all UK BAP woodland Priority Habitat types (excluding Lowland Mixed Deciduous Woodland), to confirm council ownership and , establish woodland condition and management requirements.	2018 - 2023	GCC-LES
5	Commence city wide NVC survey of woodlands (not already surveyed) to ascertain UK BAP Priority Habitats extents within Glasgow	2018 - 2023	GCC-LES
6	Develop 8 Urban Woodland Management Plans for larger woodlands city-wide (over 400ha in total)	2018 - 2023	GCC-LES
7	Deliver a woodland management strategy for the Greater Easterhouse area	2018 - 2023	GCC-DRS
8	Promote woodland as a temporary greening and bioremediation on vacant and derelict land	Ongoing	GCC-LES/GCC-DRS
9	Create 3 new woodlands within city boundary (or expansion of existing woodlands) totalling 10ha or more	2018 - 2023	GCC-LES
10	Protect and enhance habitats for wildlife as part of continued management at Drumchapel and Easterhouse Woods lease	2018 - 2023	FCS
11	Remove invasive species where appropriate and manage sites to encourage a varied tree age, species and structure at Drumchapel and Easterhouse Woodlands	2018-2021	FCS
12	Carry out annual monitoring of rare woodland plants	2018 - 2023	GCC-LES
13	Undertake strategic tree planting programme annually	2018-2023	GCC-LES

# WETLAND

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
1	Carry out annual blue green algal monitoring at 43 sites city-wide	2018 - 2023	GCC-LES
2	Carry out annual WeBS counts at 15 key sites	2018 - 2023	GCC-LES
3	Carry out water quality tests at key sites – Hogganfield Loch, Queen’s Park, Richmond Park and Knightswood Park ponds	2018 - 2023	GCC-LES
4	Naturalise 50% of Queen’s Park boating pond	2018-2019	GCC-LES
5	Carry out riparian water vole surveys at 2 sites per year	2018 - 2023	GCC-LES
6	Identify Bog Rosemary populations and monitor health and spread	2018 - 2023	GCC-LES
7	Carry out wetland management at 5 Local Nature Reserves, including water level control at Robroyston Park for wading birds.	2018 - 2023	GCC-LES
8	Monitor frog populations at Robroyston Park and Cathkin Braes, to assess health of population in north and south of city.	2018 - 2023	GCC-LES
9	Continue to restore 3 raised bogs and monitor results for water levels and biodiversity	2018 - 2023	SLWP/GCC-LES
10	Promote river restoration and deculverting projects	2018 - 2023	GCC-DRS
11	Monitor INNS and protected freshwater fish species	2018 - 2023	CRF
12	Monitor snipe species at key wetland sites	2018 - 2023	GCC-LES
13	Implement Integrated Green Network proposals as part of the Cardowan Surface Water Management Plan and Blairtummock.	2019	GCC-DRS
14	Implement wetland management for biodiversity as part of 7 Lochs Wetland Project	2018 - 2023	SLWP

# URBAN: PARKS AND OPEN SPACES

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
1	Maintain and update the Biological Audit	2018 - 2023	GL
2	Designate additional LNRs to reach target of 1 Ha per 1000 population	2023	GCC-LES
3	Continue to co-ordinate butterfly transects at a minimum of 4 sites	2018 - 2023	GCC-LES/BC
4	Deliver Community Rewilding project across Yoker area, engaging with local communities to plant wildflowers, trees, and wilding of sites	2018-2019	TCV
5	Develop Citizen Science and Environmental Monitoring projects for key habitats and species	2018 - 2023	TCV/GCC-LES
6	Ensure SUDS designs incorporate biodiversity	2018 - 2023	GCC-DRS/GCC-LES
7	Seek to assess and update the list of derelict sites of particular importance for biodiversity and outline management needs	2023	Buglife
8	Aim to ensure connectivity of integrated habitat networks throughout the city through the planning process	2018 - 2023	GCC-DRS/GCC-LES
9	Maintain swift trigger map showing locations city-wide of flocking/breeding swifts	2019	GCC-LES/RSPB
10	Align LBAP to emerging Parks and Greenspaces Vision	2020	GCC-LES
11	Ensure biodiversity is considered within the Glasgow Open Space Strategy	2018-2019	GCC-DRS/GCC-LES
12	Ensure that biodiversity is considered in the Stalled Spaces planning process	2018 - 2023	GCC-DRS

# URBAN: PARKS AND OPEN SPACES

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
13	Encourage the development of Green Roofs through the planning process	2018 - 2023	GCC-DRS
14	Ensure new developments enhance biodiversity wherever possible	2018 - 2023	GCC-DRS
15	Encourage incorporation of spaces for building dwelling species such as swift in new buildings where appropriate	2018 - 2023	GCC-LES/RSPB
16	Create and maintain House Sparrow Plots as funding allows	2018 - 2023	RSPB/GCC-LES
17	Erect a minimum of 30 house sparrow boxes at targeted sites across the city	2018 - 2023	RSPB
18	Undertake Phase 1 Habitat Survey of Pollok Country Park	2018-2019	GCC-LES
19	Undertake a review of SINCS	2018-2023	GCC-DRS



# URBAN: AWARENESS RAISING

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
1	Produce LBAP Communication Plan	2018-2019	GCC-LES
2	Produce Pollinator Plan for the city	2018	GCC-LES
3	Produce Water Vole Plan for the city	2018-2019	GCC-LES
4	Raise awareness of biodiversity value of habitats and species within Glasgow through monthly articles for the Evening Times advice column on Gardens and Wildlife	2018 - 2023	GCC-LES
5	Raise awareness of biodiversity value through delivering Outdoor Learning sessions for Glasgow Schools (Curriculum for Excellence)	2018 - 2023	GCC-LES
6	Promote LNRs by holding celebration events	2018 - 2023	GCC-LES
7	Organise annual Wild About Glasgow countryside events for the public	2018 - 2023	GCC-LES
8	Promote Glasgow biodiversity and engagement through teacher training events and Eco Schools days	2018 - 2023	GCC-LES
9	Produce Biodiversity Duty Report for Scottish Government	2018 - 2023	GCC-LES
10	Continue to promote biodiversity projects within the 7 lochs wetland park	2018 - 2023	GCC-LES/SLWP
11	Continue to engage with communities in practical activities within 7 lochs area	2018 - 2023	SLWP/TCV
12	Continue to promote and implement 'Giving Nature A Home' project city-wide	2018-2020	RSPB/GCC-LES

# URBAN: AWARENESS RAISING

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
13	Continue Ambassador Schools project	2018-2020	RSPB/GCC-LES
14	Hold annual Glasgow Wildfest	2018-2020	RSPB
15	Continue Young Roots project	2018-2020	RSPB
16	Continue to encourage conservation volunteering through undertaking projects and holding events at LNRs and other wildlife sites	2018 - 2023	GCC-LES/TCV/ FoGLNRs
17	Carry out events for Urban Butterfly Project	2018	BC/GCC-LES
18	Organise biodiversity-themed activities at park venues	2018 - 2023	GCC-LES

# FARMLAND

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
1	Manage 50 hectares as traditional meadow on GCC owned farmland at Carmunnock	2018 - 2023	GCC-LES
2	Use cattle grazing as a management tool at Dawsholm Park, Carnbooth and Pollok Country Park	2018 - 2023	GCC-LES
3	Continue hedgerow management by creating new hedges and enhancing existing hedges	2018 - 2023	GCC-LES
4	Maintain and enhance wild bird plot at Carmunnock	2018 - 2023	GCC-LES
5	Monitor breeding tree sparrow populations at Millichen farms	2018 - 2023	RSPB
6	Develop and deliver the 7 Lochs Co-operative Habitat Restoration project in partnership with landowners and land managers	2018-2021	SLWP

# WATER VOLE ACTIONS

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
1	Develop and produce water vole Plan	2018-2019	GCC-LES /SNH/ University of Glasgow
2	Seek funding to extend the fossorial water vole project. The water vole project is required for scientific monitoring of habitat creation, management and development of guidelines as well as assessing the wider water population dynamics	2018	GCC-LES /SNH/ University of Glasgow
3	Host the East End Water Vole Project meetings	2018 - 2023	GCC-LES
4	Carry out scientific assessment of disturbance caused by grass cutting, under licence	2018-2021	GCC-LES/SNH
5	Develop, review and update guidance on habitat management	2018 - 2023	GCC- LES/SNH
6	Update water vole distribution map and annually update trigger map for development planning	2018 - 2023	GCC- LES/DRS
7	Create fossorial water vole habitat at key sites as part of the Water Voles in the City project (including Blairtummock Park, Cranhill Park, Hogganfield Park and Auchinlea Park)	2018-2021	SLWP
8	Trial habitat management at key sites as part of Water Voles in the City project	2018-2021	SLWP
9	Implement Integrated Green Network proposals as part of the Cardowan Surface Water Management Plan and Blairtummock.	2018-2019	GCC-DRS
10	Carry out riparian water vole surveys at 2 sites per year	2018 - 2023	GCC-LES
11	Monitor and assess success of habitat creation and management projects	2018 - 2023	GCC-LES /SNH/ University of Glasgow

# WATER VOLE ACTIONS

	<b>ACTION</b>	<b>TIMESCALE</b>	<b>LEAD ORGANISATION</b>
12	Develop a project protocol for assessing the population dynamics of water voles in Glasgow	2018-2019	GCC-LES /SNH/ University of Glasgow
13	Survey 20 km squares annually as part of fossorial water vole landscape scale monitoring	2018 - 2023	GCC-LES
14	Develop training programme of specialist groups including operations staff, ecological consultants and pest control operatives	2018-2021	GCC-LES /SNH/ University of Glasgow



# ABBREVIATIONS

BC	Butterfly Conservation
CRF	Clyde River Foundation
GL	Glasgow Life
GCC-LES	Glasgow City Council Land & Environmental Services
GCC-DRS	Glasgow City Council Development & Regeneration Services
FCS	Forestry Commission Scotland
FoGLNRs	Friends of Glasgow's Local Nature Reserves
RSPB	Royal Society for the Protection of Birds
SLWP	Seven Lochs Wetland Park
TCV	The Conservation Volunteers

