

Glasgow City Council

Biodiversity Monitoring Report

April 2023-March 2024

1. Background and Context

- 1.1 This annual monitoring report has been compiled with the support of the Council's partners in the Glasgow Biodiversity Partnership. The purpose of the partnership is to bring a broad range of expertise to the development of Glasgow's Local Biodiversity Action Plan (LBAP). The Council established a Glasgow Biodiversity Partnership consisting of representatives from 18 different environmental organisations. Key partners include NatureScot, Scottish Environment Protection Agency (SEPA) and the Royal Society for the Protection of Birds (Scotland) (RSPB) along with other environmental interest groups.
- 1.2 The Council announced a Climate and Ecological Emergency in May 2019. The implementation of the Local Biodiversity Action Plan and Pollinator Plan (PP) play a vital role in addressing these emergencies through protecting, enhancing and creating biodiverse habitats, protecting and enhancing a diversity of species; and providing nature-based solutions to support climate mitigation and adaptation.
- 1.3 Over the past year, officers have been working with partner organisations to deliver the implementation of key actions as detailed within Glasgow's LBAP and PP.
- 1.4 Projects and actions reported on are related back to the relevant actions from the LBAP and PP to ensure that monitoring tracks the Implementation Plans for both documents. Other projects and activities help achieve the general aims and objectives of the LBAP by improving biodiversity in the city.
- 1.5 Projects and actions continue to link to, support and benefit from a range of other workstreams including:
 - Climate change adaptation,
 - Volunteering and employability opportunities,
 - Curriculum for Excellence,
 - Health and wellbeing,
 - The Glasgow Open Space Strategy
 - Parks and Greenspaces Vision
 - Metropolitan Glasgow Strategic Drainage Partnership (MGSDP)

- 1.6 Under the Nature Conservation (Scotland) Act (2004), all public bodies in Scotland are required to further the conservation of biodiversity when carrying out their responsibilities. The Council fulfils this primarily through the implementation of the Glasgow LBAP.
- 1.7 The Wildlife and Natural Environment (Scotland) Act (2011), further requires public bodies in Scotland to provide a publicly available report, every three years, on the actions they have carried out to meet the biodiversity duty.
- 1.8 There are implications for future resourcing and management of greenspaces as we aim to address the ecological emergency and continue to engage with communities and encourage people to enjoy and interact with nature.
- 1.9 The new LBAP Delivery Plan runs from 2024 to 2029. Any actions achieved for January to March 2024 are reported in this annual monitoring report.

2. Monitoring Report

- 2.1 The year to end March 2024 saw further progress on the main Ecosystems. Many initiatives are on-going; however, each year there are new projects and activities.
- 2.2 Glasgow Museums Biological Records Centre (GMBRC) is currently closed to allow for an evaluation of the Centre's operations and structure. As part of this Glasgow Life Museums have invited the Association of Local Environmental Records Centres (known as ALERC) to help produce a thorough business review which engages relevant stakeholders from across the Clyde area. It will consider work being done elsewhere in the country, including the new Scottish Biodiversity Strategy and National Planning Framework 4 and the Better Biodiversity Data project. It is anticipated that the review will create a robust development plan for GMBRC's future. Despite the closure, GMBRC is still accepting new wildlife records and datasets to ensure the database is up to date for reopening.
- 2.3 *The Glasgow Naturalist* 28 (1) included accounts arising from the 2022 Brownfield Biodiversity Conference featuring Hamiltonhill Claypits LNR and Malls Mire LNR; also short notes on individual species in Glasgow over recent years:
 - a. Recent records of the box tree moth *Cydalima perspectalis* (Walker, 1859) (Lepidoptera: Crambidae, Spilomelinae) from the Greater Glasgow area, Scotland; R. Sutcliffe

- b. *Cryptachaea blattea* (Arachnida: Araneae): a second confirmed record for Scotland and first for Glasgow; C. McEwan
- c. Large gulls feeding on fungi in a suburban garden in Glasgow, Scotland; A.P. Payne

3. Urban: Parks and Open Spaces

Action: 1. Maintain and update the Biological Audit

Date	Lead	Progress
2018-2023	GL	<ul style="list-style-type: none"> Over the year 111,400 records were added to the biological audit database managed by Glasgow Museums Biological Records Centre, covering Glasgow and the Clyde River Catchment At the end of March 2024 there was a total of 1,083,844 records in Glasgow Museums Biological Records Centre's database There were 167 new species, including: Dappled Hawkweed (<i>Hieracium scotostictum</i>), Striate Earthstar (<i>Geastrum striatum</i>), Alder Leaf Beetle (<i>Agelastica alni</i>), Water Ladybird (<i>Anisosticta novemdecimpunctata</i>), <i>Leptocerus tineiformis</i> and <i>Tinodes waeneri</i> (caddis-flies), Wall butterfly (<i>Lasiommata megera</i>), Common Yellow-face Bee (<i>Hylaeus communis</i>), Birch Catkin Bug (<i>Kleidocerys resedae</i>), Bright Four-spined Legionnaire (<i>Chorisops nagatomii</i>), Hornet Hoverfly (<i>Volucella zonaria</i>), Noctule Bat (<i>Nyctalus noctula</i>) The main sources of information were Scottish Ornithologists' Club (SOC)/Birdtrack, National Moth Recording Scheme, JBA consulting, Botanical Society of Britain and Ireland (BSBI), iRecord/iNaturalist and local naturalists, including Countryside Rangers Yorkhill Green Spaces (YGS) Biodiversity List updated on monthly basis with new finds, and information about new species posted on YGS Facebook page. Current species list (July 2023) has 1,428 species. Pollinators recorded in Yorkhill include: 31 species of bees, 24 species of wasps, 231 species of moths, 14 butterflies, 148 flies (includes 55 species of hoverflies) and 12 sawflies.

Action: 2. Designate additional Local Nature Reserves (LNRs) to reach target of 1 Ha per 1000 population

Date	Lead	Progress
2023	GCC-NRS	<ul style="list-style-type: none">• In 2023 new Local Nature Reserves (LNRs) were declared at Bingham's Pond, Cleddans Burn, Festival Park, Hurlet Hill and Todd's Well.• Extensions to LNRs were also declared in 2023- Bishop Loch, Cardowan Moss, Commonhead Moss and Dawsholm Park• This brings the total number of LNRs in Glasgow to 17• A further 5 new LNRs have been agreed for declaration in 2024-25 and work commenced on the production of Site Management Statements• The Conservation Volunteers (TCV) continued their work on maintenance and enhancement of LNRs. This included work at Bingham's Pond, Cleddans Burn, Festival Park, Hurlet Hill and Todd's Well

Action: 3. Continue to co-ordinate butterfly transects at a minimum of 4 sites

Date	Lead	Progress
2018-2023	GCC-NRS/BCS	See Pollinator Plan

Action: 4. Deliver Community Rewilding project across Yoker area, engaging with local communities to plant wildflowers, trees and wilding of sites

Date	Lead	Progress
2018-2019	TCV	<ul style="list-style-type: none">• See monitoring report 2018-2019. Project concluded in March 2019. Final evaluation report available on request

Action: 5. Develop Citizen Science and Environmental Monitoring projects for key habitats and species

Date	Lead	Progress
2018-2023	TCV/ GCC- NRS	<ul style="list-style-type: none"> • TCV carried out 31 citizen science sessions, 27 training sessions and 24 community support sessions • Royal Society for the Protection of Birds (RSPB) led Bioblitz event held as part of City Nature Challenge 2023 (28th April – 1st May 2023) - a global citizen science competition to record wildlife in cities. 72 adults and 78 children took part in the event at Kelvingrove and 298 people submitted records for the City Nature Challenge event in 2023 with 1,658 records of 546 species across Greater Glasgow • RSPB led Bioblitz for EuroBioblitz (29th-30th September 2023) with presentations in Kelvingrove about Biological recording from the Natural history museum in London, Glasgow Biological records centre/ Glasgow Life, Glasgow Natural History Society (GNHS), GALLANT/ /Forestry Commission and RSPB Scotland • RSPB carried out a BioBlitz in Kelvingrove and the Claypits Local Nature Reserve - 122 people took part with 242 observations and 164 species • RSPB, in partnership with the London Natural History Museum, carried out schools work and also biological monitoring of Urban Nature as part of the Natural History Museum's Urban nature project. Soil and water samples were taken over sites in Glasgow in August 2022 to sequence the environmental DNA (eDNA) and compare the species found to other sites or to these sites once habitat work was completed -Glasgow Botanic Gardens, North Kelvin Meadow, Springburn Allotments, Eastfield Park, outside Kelvingrove museums in cut grass and meadow, and pond samples, and several sites in the Seven Lochs area including Avenue End Road and Hogganfield Park. The results of this work were presented at a meeting at the end of September 2023 as part of the EuroBioblitz event and results were given to all the partners involved. The results were very interesting showing much greater diversity than known species lists especially for understudied groups such as fungi species. This work was done with the cooperation of associated community groups who learned about the activities and helped take the samples • RSPB is recruiting 10 Biological recording volunteers to take regular records on sites they have previously carried out biodiversity enhancement on across the city including North Kelvin meadow, Crookston castle, Milton community garden, and Springburn allotments • RSPB is supporting a University of Glasgow honours student carrying out a project monitoring pollinators on sites in Springburn and Crookston castle • Friends of Pollok Country Park (PCP) sited 9 hedgehog houses within the park, carried out <i>Phytophthora</i> training for members in conjunction with Gardening team; sited bird feeders in the wildlife garden allowing members of the public to view a variety of birds developed leaf identification pages for children; created plant ID and species labels in wildlife garden • Friends of Glasgow's LNRs (FoGLNRs) maintained and monitored bird boxes: in total, 20 boxes used by Blue Tits; 18 Boxes by Great Tits; and one by Nuthatch

		<ul style="list-style-type: none"> • FoGLNRs continued to enhance Hogganfield Park planters that were created as part of the Three Shelters renovation project, whilst also incorporating litter picks and monitoring of the birds and insects using them • FoGLNRs hosted a Bird Ringing Demonstration Event in conjunction with the Clyde Ringing Group at Hogganfield Park LNR. This attracted over 100 people • At the Children's Wood a Natural History Museum London researcher collected data on birds on the meadow via a recording device • At the Children's Wood birds are being monitored and the sightings recorded by a volunteer weekly (using iNaturalist) • YGS promoted & took part in a number of national biodiversity surveys including City Nature Challenge 2023 (April 2023), FIT counts for UK Pollinator Monitoring scheme; National Moth Night, National Bee week - daily social media posts about bees found in Yorkhill; Insect Week; Big Butterfly Count, & the Big Garden Bird Watch (January 2024)
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Action: 6. Ensure Sustainable Drainage Systems (SuDS) designs incorporate biodiversity

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • Comments on individual planning applications provided to support biodiversity-rich SuDS where appropriate • NRS Flood Risk Management continues to collaborate with planning colleagues for above-ground blue-green SuDS for new development and redevelopment, which will benefit biodiversity • Retrofit blue-green SuDS are being delivered by the Avenues Project • Retrofit blue-green SuDS are core elements of the surface water management plans that have and are being delivered by NRS Flood Risk Management, including basins, ponds, swales, trees and highway raingardens

Action: 7. Seek to assess and update the list of derelict sites of particular importance for biodiversity and outline management needs

Date	Lead	Progress
2023	Buglife	<ul style="list-style-type: none"> • See monitoring report 2022-2023

Action: 8. Aim to ensure connectivity of integrated habitat networks throughout the city through the planning process

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • NPF4 Policy 3 requires Local Development Plans to promote nature recovery and nature restoration across the development plan area, including by facilitating the creation of nature networks and strengthening connections between them to support improved ecological connectivity. The next iteration of the City Development Plan will identify and protect nature networks and opportunities for strengthening connections between them, drawing on the work undertaken by the GCVGN to map habitats and opportunities for their expansion in the City and surrounding local authorities • Planning policy incorporated into the City Development Plan 2017 (policy CDP7), associated Supplementary Guidance (SG7) and National Planning Framework (NPF) 4 policies 3 and 4 • Advice provided on planning applications to implement policy/SG as appropriate. • Adoption of Open Space Strategy (Feb 2020) and preparation of Opens Space Strategy (OSS) Delivery Plan, will provide an opportunity to pro-actively promote habitat connectivity at an early stage • A first version of the delivery plan will focus on community spaces and further iterations will identify opportunities for better habitat connectivity and management for enhanced biodiversity. In doing so, it will need to take account of the identification and creation of nature networks to improve ecological connectivity in the city, as required by NPF4, which now forms part of the statutory development plan • The Glasgow City Council (GCC) open space and Connecting Nature team continue to work closely with NRS Biodiversity to ensure we can more proactively plan for habitat connectivity via the open space delivery plan • Scottish Canals extensive linear towpath grasslands provide habitat connectivity between adjacent sites

Action: 9. Maintain swift trigger map showing locations city-wide of flocking/breeding swifts

Date	Lead	Progress
2019	GCC-NRS/R SPB	<ul style="list-style-type: none">Between 1st April 2023 and 31st March 2024: 17 volunteers recruited and trained to identify and record Swifts and Swift nest sites. 14 records of Swift screaming parties (indicating possible nests nearby) were recorded in Glasgow and added to the publicly accessible Swift Mapper databaseSwift records put into wildlife records by Countryside Rangers (CR)

Action: 10. Align LBAP to emerging Parks and Greenspaces Vision

Date	Lead	Progress
2020	GCC-NRS	<ul style="list-style-type: none">Implementation of the Local Biodiversity Action Plan (LBAP) is a key action within the Parks Vision

Action: 11. Ensure biodiversity is considered within the Glasgow Open Space Strategy

Date	Lead	Progress
2018-2019	GCC-NRS	<ul style="list-style-type: none">the OSS identifies the need to enhance biodiversity (OSS section 12) and connect habitats as being two of the key uses to which Glasgow's open spaces can be putData is being gathered to identify those open spaces that can do either or both with a view to identifying them for this purpose (and, where appropriate, other complementary purposes) through the preparation of an Open Space Strategy Delivery Plan, on which work is currently underway

Action: 12. Ensure that biodiversity is considered in the Stalled Spaces planning process

Date	Lead	Progress
2018-2023	GCC-NRS	See pollinator plan actions

Action: 13. Encourage the development of Green Roofs through the planning process

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• The City Development Plan (CDP) (and associated Supplementary Guidance) is supportive of the provision of green roofs for a variety of purposes, but principally for biodiversity and as part of SUDS• NPF4 policy 3: Biodiversity requires new development to deliver positive effects for biodiversity and the associated Developing with Nature Guidance highlights the opportunities provided by green roofs. The next iteration of the CDP will further consider the role of green roofs in enhancing biodiversity, particularly in the City Centre

Action: 14. Ensure new developments enhance biodiversity wherever possible

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• NPF4 Policy 3 aims to deliver positive effects for biodiversity from development. The Scottish Government published Draft Planning Guidance on Biodiversity to clarify understanding of NPF4 Policy 3 in November 2023. The Scottish Government has commissioned NatureScot to develop a biodiversity metric for use in the Scottish planning system, including a biodiversity metric tool and a user guide• NRS Natural Environment Officers (Biodiversity) provided advice to colleagues across NRS to promote biodiversity enhancement opportunities incorporation into development• NRS Flood Risk Management continues to promote above-ground blue-green SUDS for new development and redevelopment, which will benefit biodiversity

Action: 15. Encourage incorporation of spaces for building dwelling species such as swift in new buildings where appropriate

Date	Lead	Progress
2018-2023	GCC-NRS /RSPB	<ul style="list-style-type: none">• Swift advisory information provided to NRS planners for appropriate development proposals• The Developing with Nature Guidance accompanying NPF4 policy 3 highlights that nests and nest boxes can be fixed to buildings, structures and trees, or incorporated in the wall of the building itself. The next iteration of the CDP may give further consideration to the role of bird boxes in new development• Planning application lists monitored by RSPB Scotland staff and team of RSPB volunteers for opportunities to recommend installation of Swift bricks or nest boxes. Seventeen volunteers received training in identifying and responding to suitable planning applications during the 23/24 period. Comments were submitted on 24 developments, resulting in Swift bricks being incorporated into designs for some developments

Action: 16. Create and maintain House Sparrow Plots as funding allows

Date	Lead	Progress
2018-2023	RSPB/ GCC-NRS	<ul style="list-style-type: none">• RSPB house sparrow project completed

Action: 17. Erect a minimum of 30 House Sparrow boxes at targeted sites across the city

Date	Lead	Progress
2018-2023	RSPB	<ul style="list-style-type: none">• Completed. See previous reports.

Action: 18. Undertake Phase 1 Habitat Survey of Pollok Country Park (PCP)

Date	Lead	Progress
2018-2019	GCC-NRS	<ul style="list-style-type: none">This action was reviewed as part of wider investment in Pollok Country Park and was no longer considered likely to generate useful data

Action: 19. Undertake a review of Sites of Importance for Nature Conservation (SINCs)

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">Completed

2.1.2 Grassland**Action: 1. Update grassland map on GIS**

Date	Lead	Progress
2018	GCC-NRS	<ul style="list-style-type: none">Grassland sites mapped showing pattern and area of cuts

Action: 2. Manage 30 key grassland sites as traditional meadows in a sustainable manner, on GCC land

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">15 meadow sites across the city managed by contractor covering nearly 21 hectaresTCV ran scything workshops at 5 sites including Anderston Greenspaces and Alexandra Park Food ForestRSPB Scotland staff and volunteers cut and lifted existing wildflower meadow behind Kelvingrove Art Gallery to reduce dominance of grasses and enhance floral diversity

		<ul style="list-style-type: none"> • Meadow areas created as part of the Green Connectors project in 2021 were managed with spring and summer perimeter cuts, and autumn cut and lift regimes in 2022 by RSPB • Free scything and Scythe maintenance workshop delivered by TCV Scotland in Yorkhill Park for YGS volunteers and other community groups. Two additional scythe training events for YGS volunteers held during 2023 • 1ha of grassland in Yorkhill Park managed as a wildflower meadow. Of which 0.8 ha was cut by GCC staff and TCV and then lifted by YGS volunteers. 0.07ha of grassland in Overnewton Park managed as wildflower meadow with cut and lift, including wildflower pollinator strips
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Action: 3. Enhance areas of unmown grassland by introducing local provenance wildflowers. Enhance 1 Ha annually

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • This action has been achieved annually over the last 5 years • 34,308 wildflower plugs were planted over 11,436m² (3 plugs per m²) • 793,987 bulbs were planted over 11,436m² (40 bulbs per m²) • Wildflower Mixed Seed: 56x1kg bags across 18666m² (3 grm per m²) • Over 1,000 pollinator-friendly spring bulbs & corms including 30 Snowdrops, 145 native Bluebells, 30 Grape Hyacinths, 180 Spring Crocuses, 45 Autumn Crocuses, 88 alliums, 200 Snake's-head Fritillaries, 125 Wood Anemones, 36 Honey Garlic, 125 pollinator friendly <i>Narcissus olivarius</i> were planted at Yorkhill Park, Overnewton Park and Cherry Park into grassy meadow areas, flower borders and naturalised under trees by YGS • YGS improved existing meadows and woodland areas in Yorkhill Park by planting over 500 native wildflower plug plants and larger pots including Cowslips, Primroses, Ramsons, Foxgloves and Honeysuckle • Friends of PCP carried out wildflower planting at conservation area field, national Covid memorial and at Pollok House

Action: 4. Create or extend 5 new meadows city-wide

Date	Lead	Progress
By 2023	GCC-NRS	<ul style="list-style-type: none"> • This action has been achieved over the last 5 years with 11 meadows created from 2018 to 2022 (see previous reports) • RSPB worked with school pupils and the local community to design a new urban meadow across Springburn in Glasgow. Community volunteers helped plant 600 hedge plants, 1000 plug plants and wildflower seed was planted in the

		<p>area next to Springburn academy. Work will continue to create 2ha of meadow across Springburn next year and RSPB has committed to do a further 2 Ha. Of meadow creation in Springburn</p> <ul style="list-style-type: none"> • RSPB carried out more networking and working with groups to identify potential meadow areas in the North of Glasgow in Springburn, and partners in Maryhill • SACRO sowed wildflower seeds in one of the large beds near the mansion house at Tollcross Park • Friends of King's Park re-established three teardrop beds in the south west quadrant of the walled garden. One planted with wild flowers, one planted for pollinators (the Bee Bed) and the third planted with green manure
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Action: 5. Enhance existing meadows by wildflower planting at 8 sites

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • This action is on target with 8 existing meadows enhanced along with additional areas within LNRs over the 5 year period • TCV planted 2724 wildflowers across the city at various sites • RSPB Scotland enhanced the new wildflower strips behind the Kelvingrove Museum and Art Gallery by sowing more native annuals and perennial wildflower seed to counter the trampling over the winter • RSPB Scotland enhanced original wildflower meadow at Kelvingrove Museum and Art Gallery with further native wildflower plug plants • RSPB Scotland harvested Yellow Rattle seed from the Crookston Castle meadow in summer of 2023 and this was sown on other parts of the site to help reduce the dominance of grass and improve floral diversity • Friends of Victoria Park worked with local primary school children to plant 1000x bluebell plugs

Action: 6. Establish and identify mechanism to maintain GCC wildflower nursery at Pollok Country Park

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • Flower Power nursery at PCP was maintained with volunteer support

		<ul style="list-style-type: none"> • 41 volunteer hours seeding and caring for nursery • Friends of PCP carried out locally sourced seeds gathered from various areas of the park; purchase of variety of wildflower seeds from Scotia Seeds; sowing of above in autumn and spring in seed trays/polytunnels plus direct sowing
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Action: 7. Encourage sowing and growing of Scottish provenance wildflowers

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • Countryside Rangers encourage this with many different groups. Seeds gathered in PCP and Scotia seed stock are grown • Yellow rattle seed harvested by volunteers in Yorkhill Park and sown in other parts of Yorkhill Park and also in new meadow areas of Overnewton Park • Wildflower seed collected in Overnewton Park & Yorkhill Park during 2023 sown in new areas of the parks

Action: 8. Trial new council cut and collect equipment for meadow management

Date	Lead	Progress
2018-2019	GCC-NRS	Completed. Meadow management using Venezia cut and lift machinery has now been rolled out city-wide

Action: 9. Implement dwarf shrub heath annual management at 1 site

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • Cathkin Braes heath managed by TCV

Action: 10. Carry out survey of rare plants (Burnet-saxifrage) annually

Date	Lead	Progress
2018-2023	GCC-NRS	Not carried out. Going forward, looking to LBAP partners to carry out surveys

Action: 11. Carry out annual management of Glasgow Museums Resource Centre meadow

Date	Lead	Progress
2018-2023	GL	<ul style="list-style-type: none">Not carried out due to lack of resources

Action: 12. Enhance water vole meadow at The Bridge, Easterhouse

Date	Lead	Progress
2018-2023	GL/SLWP	<ul style="list-style-type: none">Annual low intensity management for water voles

2.1.3 Woodland

Action: 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

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">This action was reviewed in context of wider investment in Pollok Country Park and was no longer considered likely to generate useful data

Action: 2. Individual management plans for Ancient and Veteran trees within Wood Pasture and Parkland Habitat in Pollok Country Park

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Veteran tree survey carried out by Woodland Trust volunteers

Action: 3. Improve condition of Upland Mixed Ashwoods and Upland Oakwoods woodlands at Cart & Kittoch SSSI

Date	Lead	Progress
2018	GCC-NRS	<ul style="list-style-type: none"> TCV volunteers continued to manage the invasive non-native species at Cart and Kittoch SSSI with 3 days pulling Himalayan balsam

Action: 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

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Available NRS resources have focussed on woodland habitat creation (in the context of Glasgow's declaration of a climate and ecological emergency in May 2019). This action has been reviewed as part of the engagement with stakeholders to support preparation of the next LBAP Implementation Plan

Action: 5. Commence city wide NVC survey of woodlands (not already surveyed) to ascertain UK BAP Priority Habitats extent in Glasgow

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Available NRS resources have focussed on woodland habitat creation (in the context of Glasgow's declaration of a climate and ecological emergency in May 2019). This action has been reviewed as part of the engagement with stakeholders to support preparation of the next LBAP Implementation Plan

Action: 6. Develop 8 Urban Woodland Management Plans for larger woodlands city-wide (over 400 Ha in total)

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">Available NRS resources have focussed on woodland habitat creation (in the context of Glasgow's declaration of a climate and ecological emergency in May 2019). This action has been reviewed as part of the engagement with stakeholders to support preparation of the next LBAP Implementation Plan

Action: 7. Deliver a woodland management strategy for the Greater Easterhouse area

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">Woodland management plans for Cardowan, Todds Well, Bishop Loch and Lochend Burn are in place

Action: 8. Promote woodland as a temporary greening and bioremediation on vacant and derelict land

Date	Lead	Progress
Ongoing	GCC-NRS	<ul style="list-style-type: none">Cadder Woods SINC project is developing access to the native woodland for local community groups and enhancing the management of this habitat

Action: 9. Create 3 new woodlands within city boundary (or expansion of existing woodlands) totalling 10ha or more

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • This action was achieved by the development of the Cart & Kitch Woodland and Lost Woods project which created 15 hectares of oak woodland, see 21/22 report. The following have added to this total: • Fortune Works planted a Rowan tree in Drumchapel Park on the 29th of September 2023 as a statement of hope and peace as part of the Drumchapel 70th Anniversary • 6 volunteers and 2 staff at SACRO planted 150 birch and oak saplings near the Tollcross Park Wintergardens • TCV planted 8750 trees across the city at various sites • TCV managed 40105 square metres of woodland across the city at various sites • Friends of Victoria Park worked with others to plant trees and shrubs: Corporate day (Virgin Money) 500x small tree/bush transplants, planted along the Expressway east margin; 178 Scout Group planted 200 native woodland edge shrubs; Community Forest Garden planted by Glasgow Warriors comprising 30 fruit trees and 50 fruit bushes; Network Rail planted 420 woodland edge shrubs • Friends of PCP relocated hornbeam and cherry from wildlife garden to the Pollok Country Park Glade • 30 Flowering native trees and hedging planted in Yorkhill Park along boundaries of the park to create linear habitat for wildlife and sequester carbon. Trees provided by Extinction Rebellion Glasgow. • Friends of King's Park planted a Heritage Apple Orchard with 68 trees, two each of historic Scottish varieties

Action: 10. Protect and enhance habitats for wildlife as part of continued management at Drumchapel and Easterhouse Woods

Date	Lead	Progress
2018-2023	FLS, now GCC	<ul style="list-style-type: none"> • ongoing

Action: 11. Remove invasive species where appropriate and manage sites to encourage a varied tree age, species and structure at Drumchapel and Easterhouse Woodlands

Date	Lead	Progress
2018-2021	FLS	Completed 2021

Action: 12. Carry out annual monitoring of rare woodland plants

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> CRS carried out Toothwort monitoring

Action: 13. Undertake strategic tree planting programme annually

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> 24,228 trees planted across the city by GCC and partners

2.1.4 Wetland

Action: 1. Carry out annual blue green algal monitoring at 43 sites city-wide

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Countryside Rangers issued instruction for warning signage to be erected in early June at all water bodies with history of >100,000ppm readings.

Action: 2. Carry out annual WeBS counts at 15 key sites

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• Countryside Rangers continue to monitor key sites for wetland birds

Action: 3. Carry out water quality tests at key sites- Hogganfield Loch, Queen's Park, Richmond Park and Knightswood Park ponds

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• Water testing carried out at sites as required

Action: 4. Naturalise 50% of Queen's Park boating pond

Date	Lead	Progress
2018-2019	GCC-NRS	See monitoring report 2018-2019

Action: 5. Carry out riparian water vole surveys at 2 sites per year

2018-2023	GCC-NRS	<ul style="list-style-type: none">• Two surveys carried out at Cleddans Burn
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Action: 6. Identify Bog Rosemary populations and monitor health and spread

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• No monitoring. Going forward, looking towards LBAP partners to carry out surveys

Action: 7. Carry out wetland management at 5 Local Nature Reserves, including water level control at Robroyston Park for wading birds

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Froglife created new ponds at People's Plot, Southwestern Allotments (4m2) and at Germiston Allotments (2m2) Froglife restored a pond at St Pauls Youth Forum (4m2) Froglife created two new bog gardens at Anderston Primary School (3m2 each) SACRO created a wildlife friendly pond in their plot at Tollcross Allotments and planted it with native aquatics TCV carried out management at 4 ponds Friends of PCP carried out planting at 'Fish' pond including wood avens; planting of variety of plants at SuDs ponds including red campion, ox-eye daisy, foxglove; helped the Countryside Rangers to drain pond for maintenance and rescue/move newts to adjoining pond Bog Gardens in Yorkhill Park maintained and surveyed for aquatic hoverfly larvae in autumn 2023

Action: 8. Monitor frog populations at Robroyston Park and Cathkin Braes, to assess health of population in north and south of city

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Common Frog spawn monitoring carried out at Robroyston Park LNR, Hogganfield Park LNR and Bingham's Pond

Action: 9. Continue to restore 3 raised bogs and monitor results for water levels and biodiversity

Date	Lead	Progress
2018-2023	SLWP /GCC-NRS	<ul style="list-style-type: none"> Raised bogs monitored for biodiversity Peatland restoration and scrub control carried out by Seven Lochs volunteers

Action: 10. Promote river restoration and deculverting projects

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">GCC have been awarded a further grant, via the Water Environment Fund, to progress the concept design of the Capelrig/Auldhouse Burn River Restoration. The project will be delivered around the Royal Institute of British Architects (RIBA) Stage 2 plan of work. The concept design will be delivered by an appointed consultant, in partnership with the Scottish Environment Protection Agency (SEPA) and East Renfrewshire Council

Action: 11. Monitor Invasive Non Native Species (INNS) and protected freshwater fish species

Date	Lead	Progress
2018-2023	CRF	<ul style="list-style-type: none">No report

Action: 12. Monitor snipe species at key wetland sites

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">No report

Action: 13. Implement Integrated Green Network proposals as part of the Cardowan Surface Water Management Plan and Blairtummock

Date	Lead	Progress
2019	GCC-NRS	<ul style="list-style-type: none">Completed

Action: 14. Implement wetland management for biodiversity as part of 7 Lochs Wetland Project

Date	Lead	Progress
2018-2023	SLWP	<ul style="list-style-type: none">Wetland habitat creation and management carried out at sites within Seven Lochs Wetland Park

		<ul style="list-style-type: none"> FoGLNRs monitored the usage of five Biohavens at Hogganfield Park LNR. A pair of Great Crested Grebes and pair of Coot nested and other birds used the biohavens to rest and preen
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2.1.5 Farmland

Action: 1. Manage 50 hectares as traditional meadow on GCC owned farmland at Carmunnock

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> All meadows at Cathkin and Windlaw continue to be managed by either local farmer or contractor

Action: 2. Use cattle grazing as a management tool at Dawsholm Park, Carnbooth and Pollok Country Park

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Cattle grazed at Dawsholm Park and PCP A pilot site been identified with fencing to be installed to make secure for livestock and discussions ongoing with partner organisations to provide livestock to enable a case study on cattle grazing as a management tool for grassland to reduce invasive species and improve soil health

Action: 3. Continue hedgerow management by creating new hedges and enhancing existing hedges

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> TCV planted 375m of hedgerow across the city at various sites

Action: 4. Maintain and enhance wild bird plot at Carmunnock

Date	Lead	Progress
2018-2023	GCC-NRS	see monitoring report 2018-2019

Action: 5. Monitor breeding tree sparrow populations at Millichen farms

Date	Lead	Progress
2018-2023	RSPB	<ul style="list-style-type: none">Completed

Action: 6. Develop and deliver the 7 Lochs Co-operative Habitat Restoration project in partnership with landowners and land managers

Date	Lead	Progress
2018-2021	SLWP	<ul style="list-style-type: none">Species Rich Networks Team (SpRiNT) project has delivered habitat creation, enhancement and management at 6 sites for woodland and grassland

2.1.6 Water Vole

Action: 1. Develop and produce water vole Plan

Date	Lead	Progress
2018-2019	GCC-NRS/ NS/U of G	<ul style="list-style-type: none">Completed

Action: 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

Date	Lead	Progress
2018	GCC-NRS/ NS/U of G	<ul style="list-style-type: none"> Funding sourced for specific projects

Action: 3. Host the East End Water Vole Project meetings

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Meetings set up for specific projects

Action: 4. Carry out scientific assessment of disturbance caused by grass cutting, under licence

Date	Lead	Progress
2018-2021	GCC-NRS/ NS	<ul style="list-style-type: none"> Grassland Management Trial report produced by University of Glasgow

Action: 5. Develop, review and update guidance on habitat management

Date	Lead	Progress
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2018-2023	GCC-NRS/NS	<ul style="list-style-type: none"> Interim Guidelines review ongoing. Original guidelines are available on www.glasgow.gov.uk/watervoles
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Action: 6. Update water vole distribution map and annually update trigger map for development planning

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> Trigger Map reviewed based on new records and no change. Water vole records being sent to Local Biological Records Centre (Glasgow Life)

Action: 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)

Date	Lead	Progress
2018-2021	SLWP	<ul style="list-style-type: none"> Ruchazie Link- upgraded access and habitat management project carried out

Action: 8. Trial habitat management at key sites as part of Water Voles in the City project

Date	Lead	Progress
2018-2021	SLWP	<ul style="list-style-type: none"> Grassland Management Trial report produced by University of Glasgow Seven Lochs Wetland Park carry out habitat management including scrub control

Action: 9. Implement Integrated Green Network proposals as part of the Cardowan Surface Water Management Plan and Blairtummock

Date	Lead	Progress
2018-2019	GCC-NRS	<ul style="list-style-type: none"> Early Braes Integrated Green Network surface water management project completed

Action: 10. Carry out riparian water vole surveys at 2 sites per year

Date	Lead	Progress
2018-2023	GCC-NRS	See Wetland

Action: 11. Monitor and assess success of habitat creation and management projects

Date	Lead	Progress
2018-2023	GCC-NRS/ NS/U ofG	<ul style="list-style-type: none"> Monitoring and assessment ongoing

Action: 12. Develop a project protocol for assessing the population dynamics of water voles in Glasgow

Date	Lead	Progress
2018-2019	GCC-NRS/	<ul style="list-style-type: none"> Water Vole Population Status and Long-Term Monitoring Plan produced by University of Glasgow

	NS/U ofG	
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Action: 13. Survey 20km squares annually as part of fossorial water vole landscape scale monitoring

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> On hold for reporting period 2023-4 awaiting outcome of assessment of Action 12 Report

Action: 14. Develop training programme of specialist groups including operations staff, ecological consultants and pest control operatives

Date	Lead	Progress
2018-2021	GCC-NRS/ NS/U ofG	<ul style="list-style-type: none"> Training developed and delivered for contractors as part of licensable works at Sandaig Park, Garrowhill Park and Ruchazie Link

2.1.7 Urban: Awareness Raising

Action: 1. Produce LBAP Communication Plan

Date	Lead	Progress
2018-2019	GCC-NRS	<ul style="list-style-type: none"> Glasgow LBAP partnership workshop held to agree new actions for Delivery Plan 2024 2029 Monthly biodiversity tweets put out by Countryside Rangers

Action: 2. Produce Pollinator Plan for the city

Date	Lead	Progress
2018	GCC-NRS	<ul style="list-style-type: none">• See monitoring report 2018-2019

Action: 3. Produce Water Vole Plan for the city

Date	Lead	Progress
2018-2019	GCC-NRS	See Water Vole

Action: 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

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• Biodiversity highlighted through GCC twitter feed, rather than articles• Biodiversity articles feature in the new ParkLife newsletter circulated to community groups, interest organisations, elected members, council staff• GCC webpage www.glasgow.gov.uk/watervoles, Glasgow Water Vole Project (GWVP) facebook page and SLWP facebook page regularly updated• Continued promotion of water voles including a feature on BBC Scotland's 'The New Wild' series, Radio Scotland's 'Out of Doors' and a chapter in the wildlife book 'Black Ops and Beaver Bombing' as well as promotion in the Evening Times https://www.glasgowtimes.co.uk/news/23761844.martha-wardrop-celebrate-success-grassland-voles/

Action: 5. Raise awareness of biodiversity value through delivering Outdoor Learning sessions for Glasgow Schools (Curriculum for Excellence)

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> The Countryside Rangers made 71 visits to 31 schools involving over 21400 pupils and engaging with pupils at 14 different parks RSPB delivered primary and secondary school sessions to students who want to know more about wildlife in the city. These sessions included: Minibeast Safari, Explore Urban Nature and Aquatic Adventures. These sessions are part of the Kelvingrove Museums Schools Programme and contents supported by the Urban Nature Project from The Natural History Museum London. In the period April 2023-March 2024 RSPB worked with 19 Nursery children, 39 primary sessions with 17 schools and 956 children, 27 secondary sessions with 5 secondary schools and 456 children. The urban nature project is coming to an end in December 2024 allowing RSPB funding for 8 more sessions with Hillhead High school The Children's Wood hosts outdoor learning sessions to around 6-8 schools all year around. Nurseries are invited to run their own outdoor learning and free outdoor play Over 100 pupils and staff from the Glasgow Gaelic High School helped plant 500 wildflowers at Yorkhill Park in May 2023 and took part in Pollinator Flower-Insect Timed (FiT) counts and a pollinator survey

Action: 6. Promote LNRs by holding celebration events

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> No LNR celebration days were carried out

Action: 7. Organise annual Wild About Glasgow countryside events for the public

2018-2023	GCC-NRS	<ul style="list-style-type: none"> 16 Countryside Ranger led events with 275 participants 9 community events attended by Countryside Rangers
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Action: 8. Promote Glasgow biodiversity and engagement through teacher training events and Eco Schools days

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• Countryside Rangers held 4 teacher CPD sessions were held at 2 schools with 17 teachers• Countryside Rangers held 2 eco school events engaging with 363 pupils• RSPB Scotland held a teacher CPD session with 14 teachers from Elmvale primary school in Springburn on outdoor learning

Action: 9. Produce Biodiversity Duty Report for Scottish Government

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none">• This biodiversity annual monitoring report will contribute to the Biodiversity Duty Report for Scottish Government due in Jan 2027

Action: 10. Continue to promote biodiversity projects within the 7 Lochs wetland park

Date	Lead	Progress
2018-2023	GCC-NRS/SLWP	<ul style="list-style-type: none">• Biodiversity projects promoted through Seven Lochs events website and social media

Action: 11. Continue to engage with communities in practical activities within 7 Lochs area

Date	Lead	Progress
2018-2023	SLWP /TCV	<ul style="list-style-type: none">• Seven Lochs volunteers carried out 249 volunteer days over 9 sites carrying out activities such as hedge planting, tree, wildflower and bulb planting, peatland restoration, scrub control, hibernacula• Seven Lochs volunteers Community Wellbeing in Nature carried out 173 tasks on 25 sites;85% of these were in the most deprived 20% of neighbourhoods, 1449.5 workdays, 39 different registered volunteers were involved

Action: 12. Continue to promote and implement ‘Giving Nature a Home’ project city-wide

Date	Lead	Progress
2018-2020	RSPB/ GCC- NRS	<ul style="list-style-type: none">• The project continues with development of the North Glasgow Green Futures Project

Action: 13. Continue Ambassador Schools project

Date	Lead	Progress
2018-2020	RSPB/ GCC- NRS	<ul style="list-style-type: none">• In the period April 2023-March 2024 RSPB had one ambassador school in the east of Glasgow who were ambassadors for the Water Vole. Sunnyside Primary School learned about this species and created habitats to support them• RSPB have moved the Ambassador school programme to the north of the city to also connect with a wider ambassador community programme there. The new Ambassador schools for pollinators such as the Common Blue butterfly are Elmvale Primary as well as some ASN students from North Kelvin College

Action: 14. Hold annual Glasgow Wildfest

Date	Lead	Progress
2018-2020	RSPB/ GCC- NRS	<ul style="list-style-type: none"> RSPB are no longer holding Wildfest but ran a summer programme of events between Kelvingrove and the Glasgow Botanic gardens and supported smaller communities with some events. This included an event in August 2023 with the Clyde River Foundation as well as the Kelvin in the Kibble exhibition as part of the Kelvin Biodiversity Network

Action: 15. Continue Young Roots project

Date	Lead	Progress
2018-2020	RSPB	<ul style="list-style-type: none"> This project has now been completed

Action: 16. Continue to encourage conservation volunteering through undertaking projects and holding events at LNRs and other wildlife sites

Date	Lead	Progress
2018-2023	GCC- NRS/T CV/Fo GLNRs	<ul style="list-style-type: none"> 3042 volunteers from 22 Friends of Parks Groups and other community organisations carried out 13520 hours to improve local parks and other greenspaces in the city Glasgow Natural History Society (GNHS) held 4 field excursions in Glasgow in Summer 2023, and members participated in the City Nature Challenge at Kelvingrove Park and Hamiltonhill Claypits LNR at which a Noctule bat was recorded – first for Glasgow GNHS awarded 4 bursaries for attendance at Field Study Council (FSC) taxonomy courses The Children's Wood held OVO-funded weekly half day Climate Justice and Habitat nature programme with three schools. This included pond dipping, conservation work and visits into the bee dookit with a public exhibition following on June 11th The Children's Wood formed a new scything team and purchased scythes to manage meadow and increase biodiversity. Two training sessions received from TCV to support the group, scything done in selected patches in autumn and spring

		<ul style="list-style-type: none"> • YGS were awarded a Green Flag Award and a level 5-Outstanding and Certificate of Distinction for management of green spaces in Yorkhill and improving them for the local community and wildlife • YGS was short-listed for the Nature of Scotland Community Initiative Award for 2023 • YGS held regular community events delivered every 2 weeks throughout the year to provide volunteering opportunities for local people, with some additional volunteering events organised for school and university groups, and local businesses too • CRS worked with the new Friends of Richmond Park, carrying out litter picks and wildflower planting
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Action: 17. Organise biodiversity-themed activities at park venues

Date	Lead	Progress
2018-2023	GCC-NRS	<ul style="list-style-type: none"> • 3rd June Clyde Amphibian & Reptile Group (CARG) and GNHS jointly hosted a one-day conference, as part of the Glasgow Science Festival, on Scottish amphibians and reptiles, attended by over 80 people. The talks most relevant to Glasgow biodiversity were on the 2022 pond surveys and on Malls Mire LNR. Both talks have now been published on-line (open access) in fully documented form in the Glasgow Naturalist 28 (2), 2024 as: Downie, E. et al.- Greater Glasgow pond amphibian surveys 2022; and Digruber and Ullman- Champhibians: a citizen science programme for schools: a project introduction and case history from Malls Mire LNR in Glasgow, Scotland • What's Bugging Glasgow environmental education display by the Hunterian (in conjunction with University of Glasgow) at the Kelvin Hall opened in June 2023 and highlighted the conservation value of insects, the challenges they face and the actions that are being carried out to help • SACRO made fat balls to feed the birds, and also bird feeders from plastic bottles, filled and placed them around their plot at Tollcross Allotments • SACRO carried out a winter tree identification walk around Tollcross Park • TCV worked at 46 sites, 60% of which were in the most deprived 20% of neighbourhoods • TCV held 12 event days, engaging with 590 people who learnt about biodiversity and habitat management • FoGLNRs organised three walks, at Dawsholm Park LNR (July 2023); Bingham's Pond LNR (September 2023) for bats and Hogganfield Park LNR (December 2023), in conjunction with the SOC Clyde Branch

2.1.8 Pollinator Plan

Action: 1. Monitor the Pollinator Plan through annual LBAP Monitoring Report and Biodiversity Duty Reports

Date	Lead	Progress
Annually	GCC-NRS	<ul style="list-style-type: none">The Pollinator Plan actions are included in the Biodiversity Annual Monitoring Report and in the Biodiversity Duty Report

Action: 2. Continue to protect habitat and species value through the designation and maintenance of SSSIs, LNRs and SINCs

Date	Lead	Progress
Ongoing	GCC-NRS/NS	<ul style="list-style-type: none">SSSIs and LNRs are statutory designations that are designated via separate legislation to the development planning process but the Council has a duty to protect them. SINCs are non-statutory designations identified through the development planning process and have recently been reviewed

Action: 3. Aim to ensure connectivity of integrated habitat networks throughout the city through the planning process (LBAP Action)

Date	Lead	Progress
2017-2022	GCC-NRS	<ul style="list-style-type: none">Planning policy incorporated into the City Development Plan 2017 (policy CDP7) and associated Supplementary Guidance (SG7) and advice provided on planning applications to implement policy/SG as appropriate.NPF4 requires the identification, delivery and enhancement of nature networks in the city. These will be identified in the next iteration of the CDP

Action: 4. Manage 30 key grassland sites as traditional meadows in a sustainable manner, on GCC land (LBAP Action)

Date	Lead	Progress
2017-2022	GCC-NRS	See Grassland

Action: 5. Enhance areas of unmown grassland by introducing local provenance wildflowers. Enhance 1 Ha annually (LBAP Action)

Date	Lead	Progress
2017-2022	GCC-NRS	See Grassland

Action: 6. Grow pollinator-friendly plants in the Pollok Wildflower Nursery

Date	Lead	Progress
2017 onwards	GCC-NRS	See Grassland

Action: 7. Plant pollinator-friendly wildflowers city-wide at SINCS, LNRs and Parks

Date	Lead	Progress
2017-2022	GCC-NRS	<ul style="list-style-type: none">Friends of Victoria Park carried out Bees for Beds Wild Flower planting to encourage return of solitary bees

Action: 8. Incorporate nectar-rich plants into formal planting schemes in parks and open spaces

Date	Lead	Progress
2017-2022	GCC-NRS	<ul style="list-style-type: none">Ongoing as part of parks and open spaces management plans

Action: 9. Assess nectar-rich plants for use in Parks bedding schemes/planters

Date	Lead	Progress
2018	GCC-NRS	<ul style="list-style-type: none">See monitoring report 2018-2019

Action: 10. Aim to ensure early and late nectar sources in plantings

Date	Lead	Progress
2017-2022	GCC-NRS	<ul style="list-style-type: none">A variety of wildflower species incorporated into Green Connector plantings city-wide

Action: 11. Create a butterfly garden within a Glasgow park

Date	Lead	Progress
2017-2018	BC/GCC-NRS	<ul style="list-style-type: none">See monitoring report 2018-2019Area of amenity grass at Overnewton was converted into a Bed's for Bees with selection pollinator-friendly plants donated by Repollinate/On the Verge

Action: 12. Identify a park and/or LNR to promote as a pollinator demonstration site

Date	Lead	Progress
2018	GCC-NRS	<ul style="list-style-type: none">Hogganfield Park LNR and Queen's Park are designated Pollinator Parks with wildflower meadows managed for pollinators

Action: 13. Carry out events for Urban Butterfly Project (LBAP Action)

Date	Lead	Progress
2017-2018	BC/GCC-NRS	<ul style="list-style-type: none">See monitoring report 2018-2019

Action: 14. Work with Buglife, Butterfly Conservation, Friends of the Earth Scotland and others to ensure best practice for pollinator action in Glasgow

Date	Lead	Progress
2017 onwards	GCC-NRS/BL/ FoES(GG)/SLW P	<ul style="list-style-type: none">Buglife attended the Brownfield Land Scotland 2024 conference in Glasgow on the 6th of February and held a round table discussion about the importance of brownfields for supporting Open Mosaic Habitat and wildlifeYorkhill Green Spaces was awarded second place in the NatureScot & Keep Scotland Beautiful Pollinator-Friendly Award for 2023

Action: 15. Raise awareness of the importance of pollinators through website information, leaflets, events

Date	Lead	Progress
2017-2022	GCC-CRS//BL/	<ul style="list-style-type: none">Progress on the Pollinator Plan and case studies provided to NS for the national strategy progress report and NS pollinator blog

	BC/FoES (GG)/SL WP	<ul style="list-style-type: none"> • New pollinator signage at green connector parks and other sites raise awareness of pollinators, biodiversity, carbon storage and the climate & ecological emergencies • A second Bee Bank installed in Yorkhill Park in Autumn 2023 to provide nesting habitat for solitary bees. The first bee bank in Yorkhill Park was installed in March 2023
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Action: 16. Carry out surveys and monitoring of butterflies, bees and hoverflies at key sites

Date	Lead	Progress
2017-2022	GCC- CR/BC/ SLWP	<ul style="list-style-type: none"> • See butterfly transects

Action: 17. Continue to co-ordinate butterfly transects at a minimum of 4 sites

Date	Lead	Progress
2017-2022	GCC- NRS/BCS	<ul style="list-style-type: none"> • There are 8 active transects in Glasgow

Action: 18. Encourage Stalled Spaces projects to include pollinator friendly practices

Date	Lead	Progress
2017-2022	GCC- NRS	<ul style="list-style-type: none"> • Stalled Spaces Programme has been completed

Action: 19. Provide information to support creation of additional nectar-rich plantings to compensate for new honeybee hive locations

Date	Lead	Progress
2017-2022	GCC-NRS	<ul style="list-style-type: none"> Bee keeping and Biodiversity Factsheet includes advice to help reduce competition with native pollinators Current practice when an application is received for a hive on an allotment site is to provide the Factsheet which requires additional nectar rich planting to offset potential increased competition with native pollinators, consensus amongst allotment association members is reached before siting and for those utilising beehives to have appropriate RAMS and training completed before installation

Action: 20. Provide information to support creation of additional nectar-rich plantings at allotments and community growing spaces

Date	Lead	Progress
2017-2022	GCC-NRS	<ul style="list-style-type: none"> Leaflets provided to community groups and interested individuals as required

Action: 21. Seek funding opportunities for Pollinator Projects

Date	Lead	Progress
2017-2022	GCC-NRS/ TCV	<ul style="list-style-type: none"> Weekly funding information provided to parks & greenspaces community groups with some successful projects likely to benefit pollinators

Action: 22. Investigate the potential for a B-Line within the city to connect to the wider countryside

Date	Lead	Progress
2018	GCC-NRS/B L/SLW P	<ul style="list-style-type: none">Glasgow B-Lines in place and Green Connector project seeks to expand on these connections

Action: 23. Seek volunteers to set up Beewalk transects at key sites

Date	Lead	Progress
2018	GCC-CRS/ BBCT	<ul style="list-style-type: none">Bumblebee Conservation Trust (BBCT) co-ordinated 12 Beewalk transects within the city with 3 returning data this year

Action: 24. Carry out a survey of Marsh Violet at Commonhead Moss and adjacent sites (food plant for Small Pearl-bordered Fritillary)

Date	Lead	Progress
2018	GCC-CR/SL WP	<ul style="list-style-type: none">See monitoring report 2018-2019

Action: 25. Investigate propagation of local provenance Marsh Violet for planting at appropriate sites to aid Small Pearl-bordered Fritillary populations

Date	Lead	Progress
2018	GCC-NRS/S LWP	<ul style="list-style-type: none"> See monitoring report 2018-2019

Acronyms

BBCT	Bumblebee Conservation Trust
BCS	Butterfly Conservation (Scotland)
BL	Buglife
BTO	British Trust for Ornithology
CDP	City Development Plan
CP	Country Park
CPD	Continued Professional Development
CR	Countryside Rangers
CRF	Clyde River Foundation
FLS	Forestry & Land Scotland
FoES (GG)	Friends of the Earth Scotland (Glasgow Group)
FoGLNRs	Friends of Glasgow's Local Nature Reserves
GCC	Glasgow City Council
GIS	Geographic Information System

GL	Glasgow Life
GNAH	Giving Nature a Home
GNHS	Glasgow Natural History Society
Ha	Hectare
ID	Identification
INNS	Invasive Non-Native Species
LBAP	Local Biodiversity Action Plan
LNR	Local Nature Reserve
NLC	North Lanarkshire Council
NRS	Neighbourhoods, Regeneration & Sustainability
NS	NatureScot
OMHPDL	Open Mosaic Habitats on Previously Developed Land
OSS	Open Space Strategy
PCP	Pollok Country Park
PP	Pollinator Plan
PTES	People's Trust for Endangered Species
PTU	Permission to Use
RSPB	Royal Society for the Protection of Birds
SEPA	Scottish Environment Protection Agency
SG	Supplementary Guidance
SIMD	Scottish Index of Multiple Deprivation

SINC	Site of Importance for Nature Conservation
SLWP	Seven Lochs Wetland Park
SOC	Scottish Ornithologists' Club
SpRiNT	Species Rich Networks Team
SSSI	Site of Special Scientific Interest
SUDS	Sustainable Drainage System
SWT	Scottish Wildlife Trust
TCV	The Conservation Volunteers
U of G	University of Glasgow
UKBMS	United Kingdom Butterfly Monitoring Scheme
YGS	Yorkhill Green Spaces

LBAP Partners

Buglife

Butterfly Conservation (Scotland)

Clyde River Foundation

Forestry & Land Scotland

Friends of Glasgow's Local Nature Reserves

Froglife

Glasgow City Council

Glasgow Life

Glasgow Museums Resource Centre
Glasgow Natural History Society
NatureScot
Royal Society for the Protection of Birds (Scotland)
Scottish Canals
Scottish Environment Protection Agency
Scottish Ornithologists' Club
Scottish Wildlife Trust
Seven Lochs Wetland Park
The Conservation Volunteers
Urban Roots
Woodland Trust