

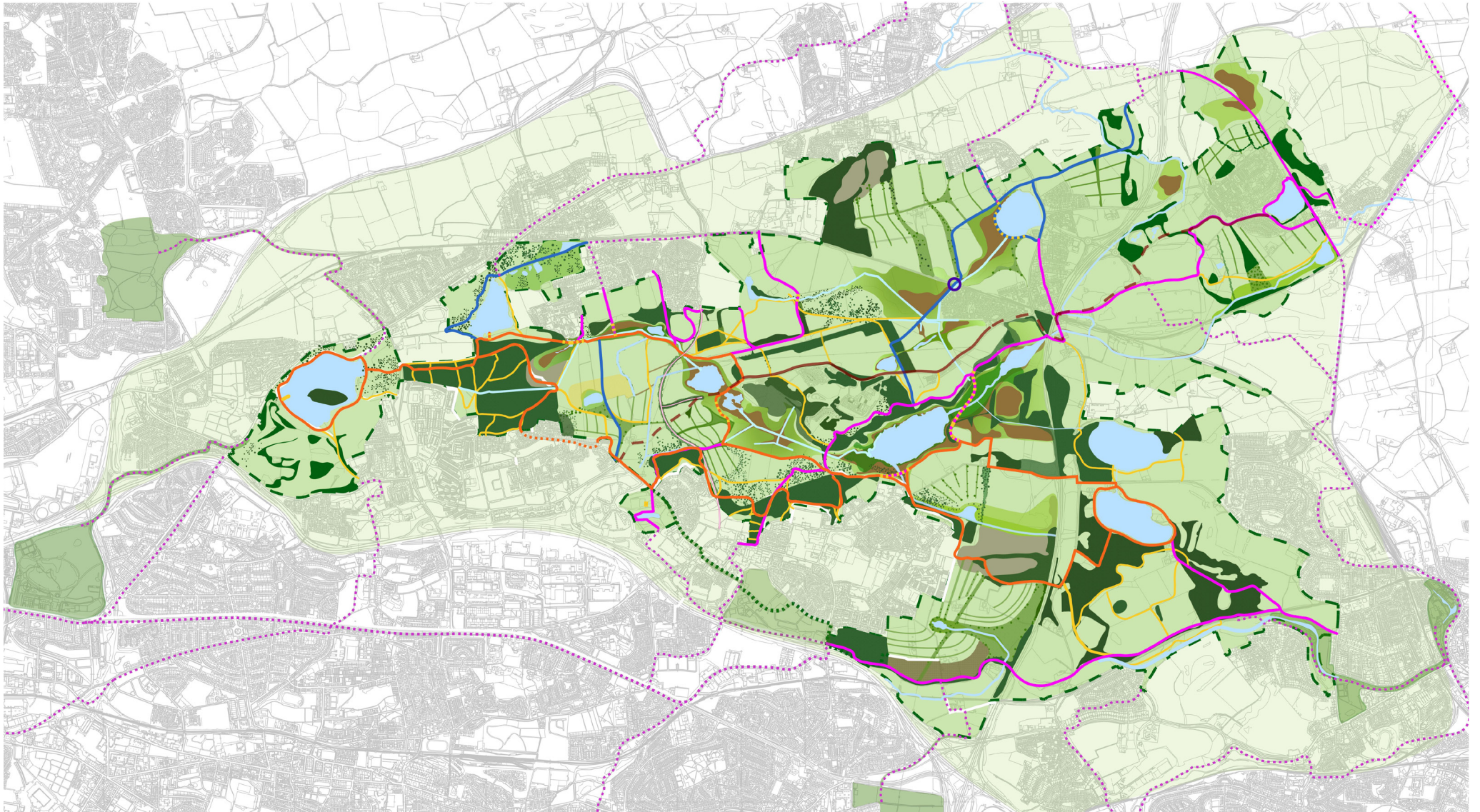
The Seven Lochs Wetland Park
masterplan and visioning study

COLLECTIVEARCHITECTURE



The Seven Lochs Wetland Park masterplan and visioning study





COLLECTIVEARCHITECTURE

AECOM

BW+

MCM ASSOCIATES LTD



The overarching vision for the Seven Lochs Wetland Park to create a new wetland park of national significance between Glasgow and North Lanarkshire, and to deliver, manage and sustain a high quality innovative wetland environment that will:

- Protect and enhance the heritage and biodiversity of the area as a national resource
- Promote the general health and wellbeing of both visitors and residents alike
- Contribute to the environmental, economic and social regeneration of the area.

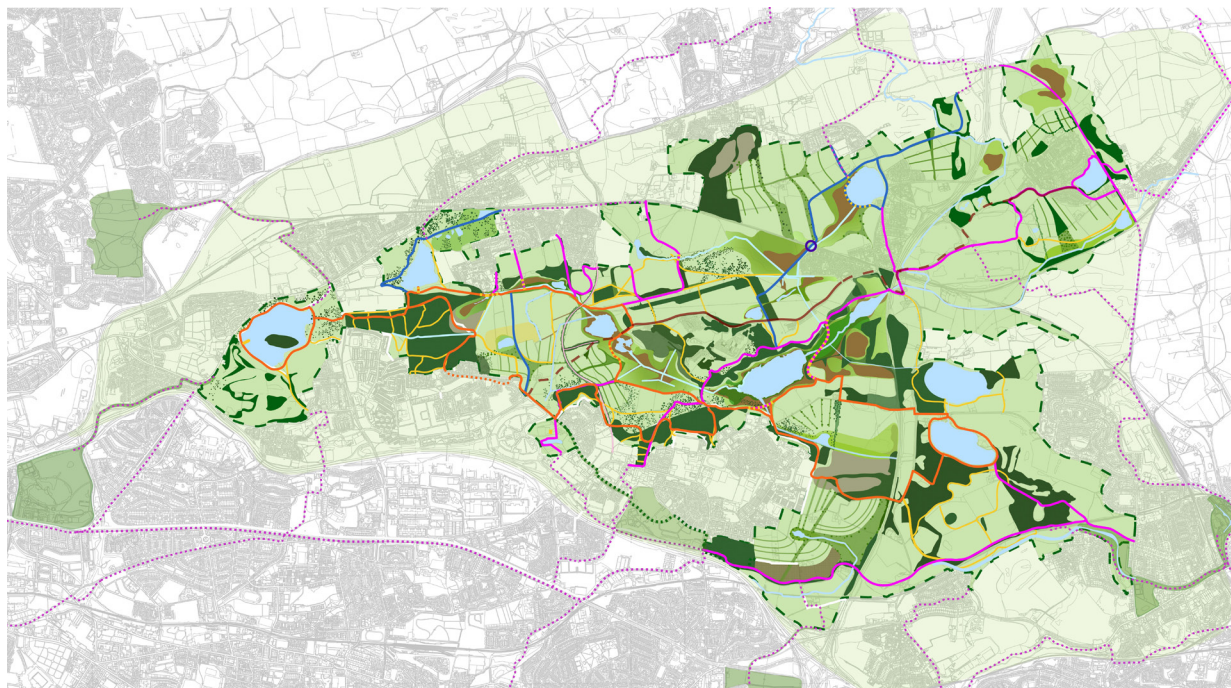


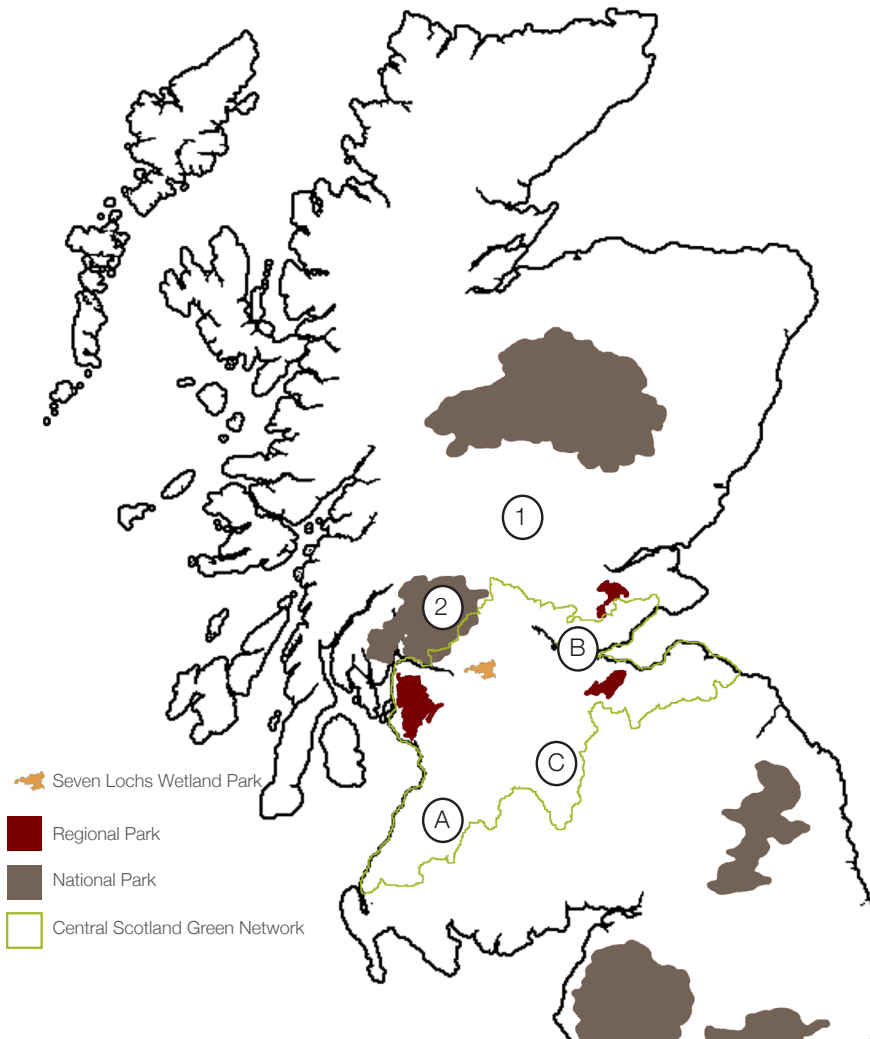
The specific aims of the wetland park are to:

- Protect, conserve and enhance the natural environment, biodiversity and cultural heritage of the Seven Lochs Wetland Park area for present and future generations to experience and enjoy.
- Promote understanding, awareness and appreciation of the importance of the unique wetland environment and heritage, and involve local communities in its development & management.
- Have a major impact on the environmental, social & economic regeneration of the area.



The Seven Lochs Wetland Park context





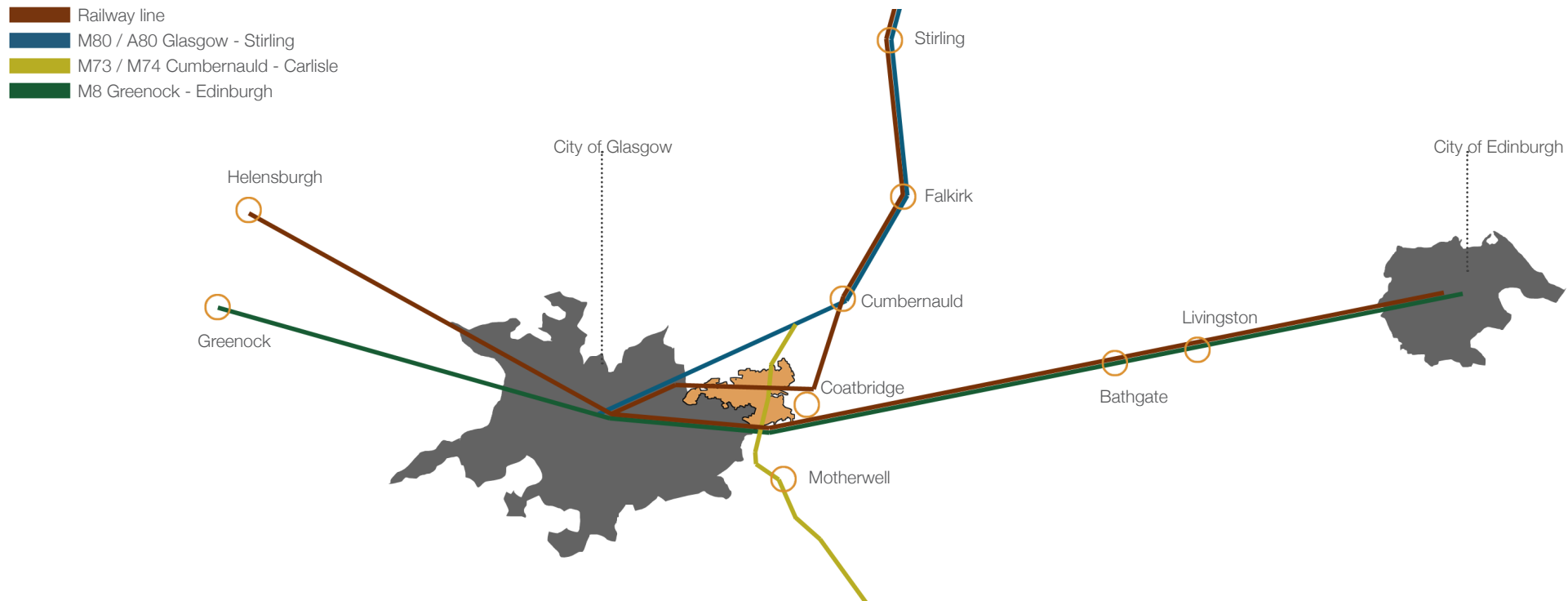
-  Seven Lochs Wetland Park
-  Regional Park
-  National Park
-  Central Scotland Green Network

Regional Parks
 A. Clyde Muirshiel Regional Park
 B. Lomond Hills Regional Park
 C. Pentland Hills Regional Park

National Parks
 1. Cairngorms National Park
 2. Loch Lomond and the Trossachs National Park

Scotland's Regional and National Parks



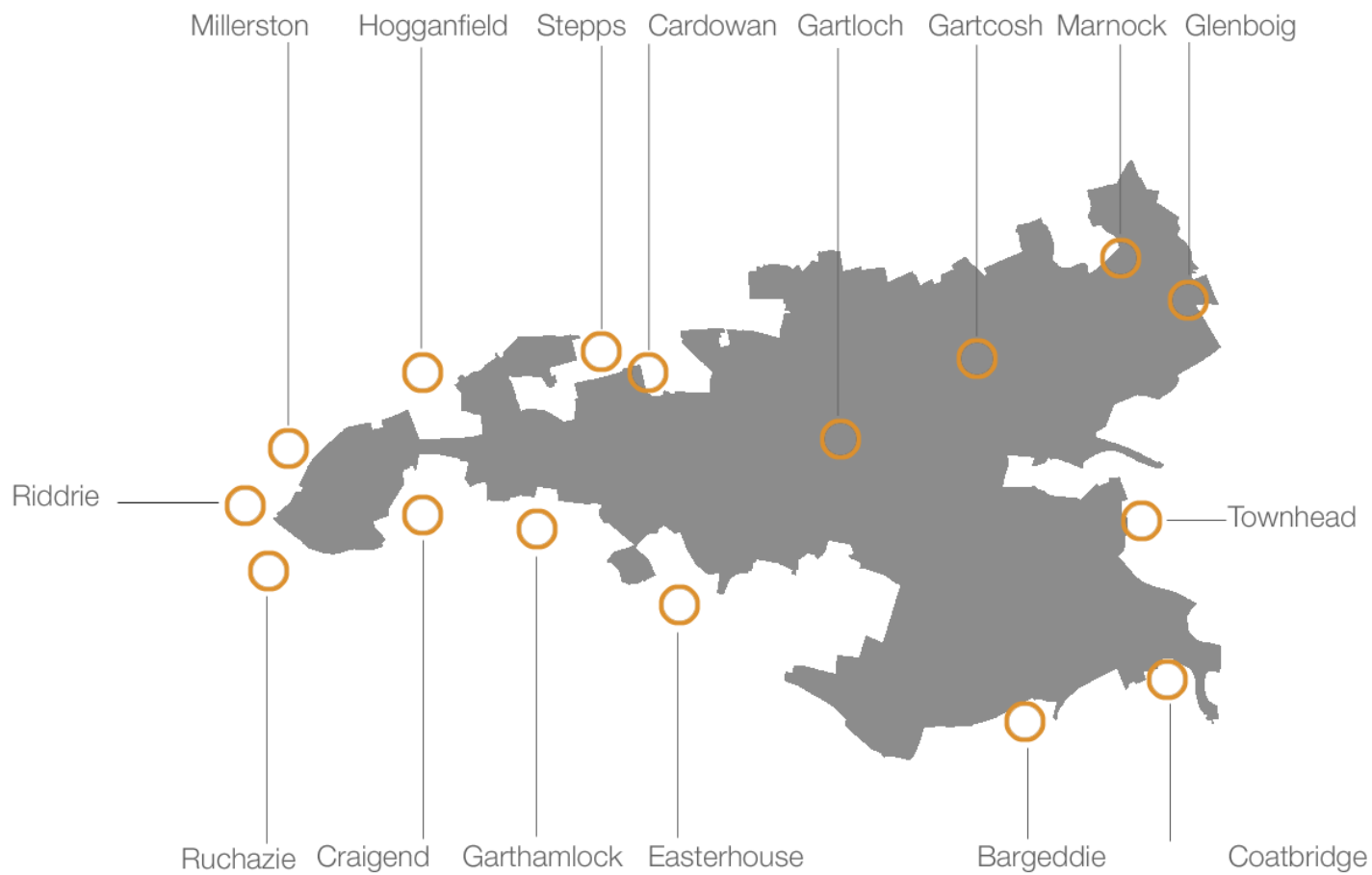
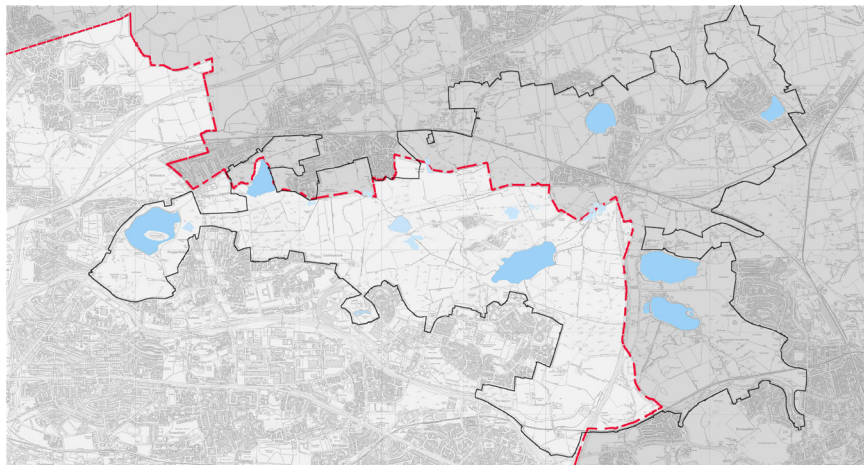


Wider connectivity schematic - significant settlements with direct access to the park boundary via road or rail



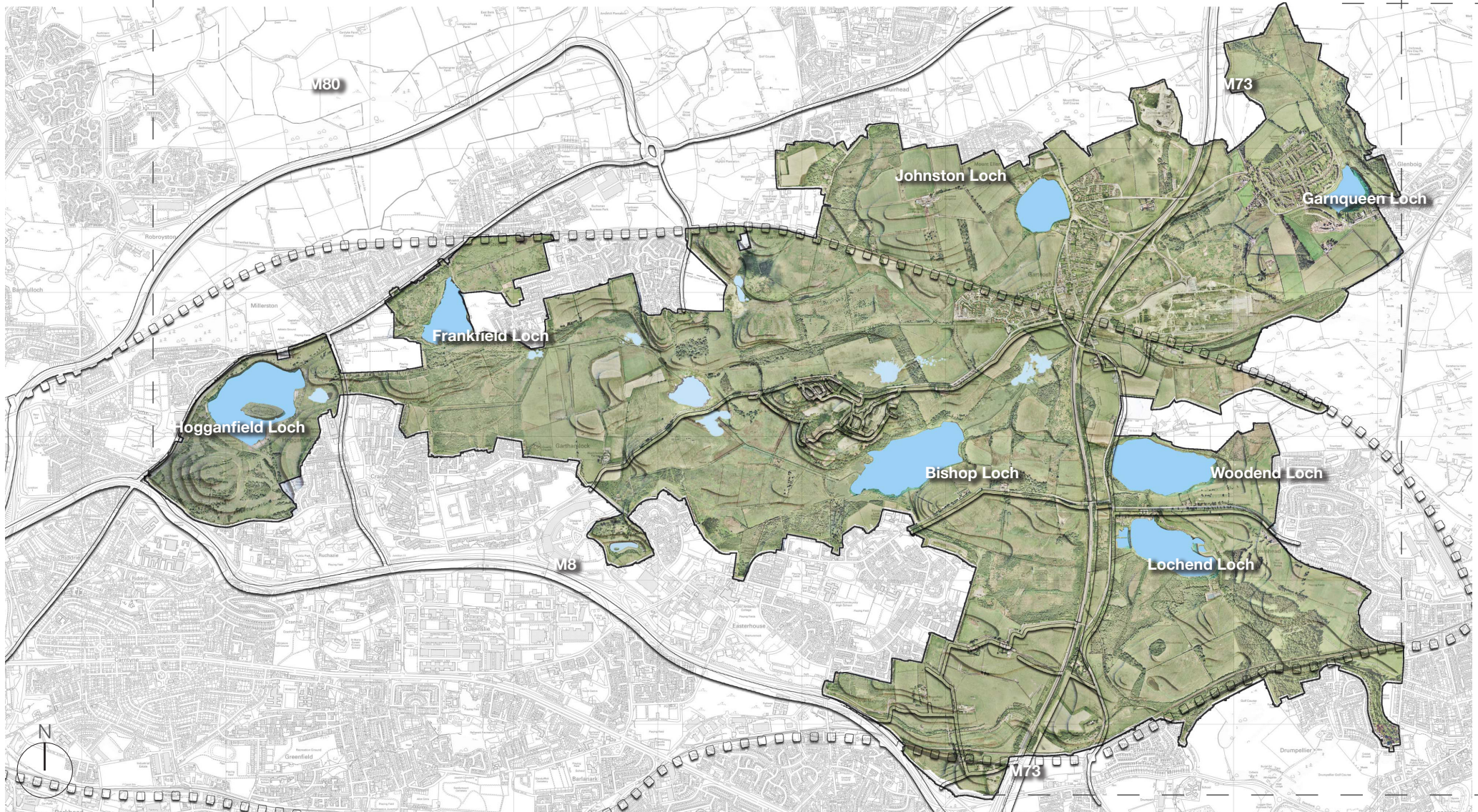
The park's position within Scotland's central belt





8.6 km

5.5 km







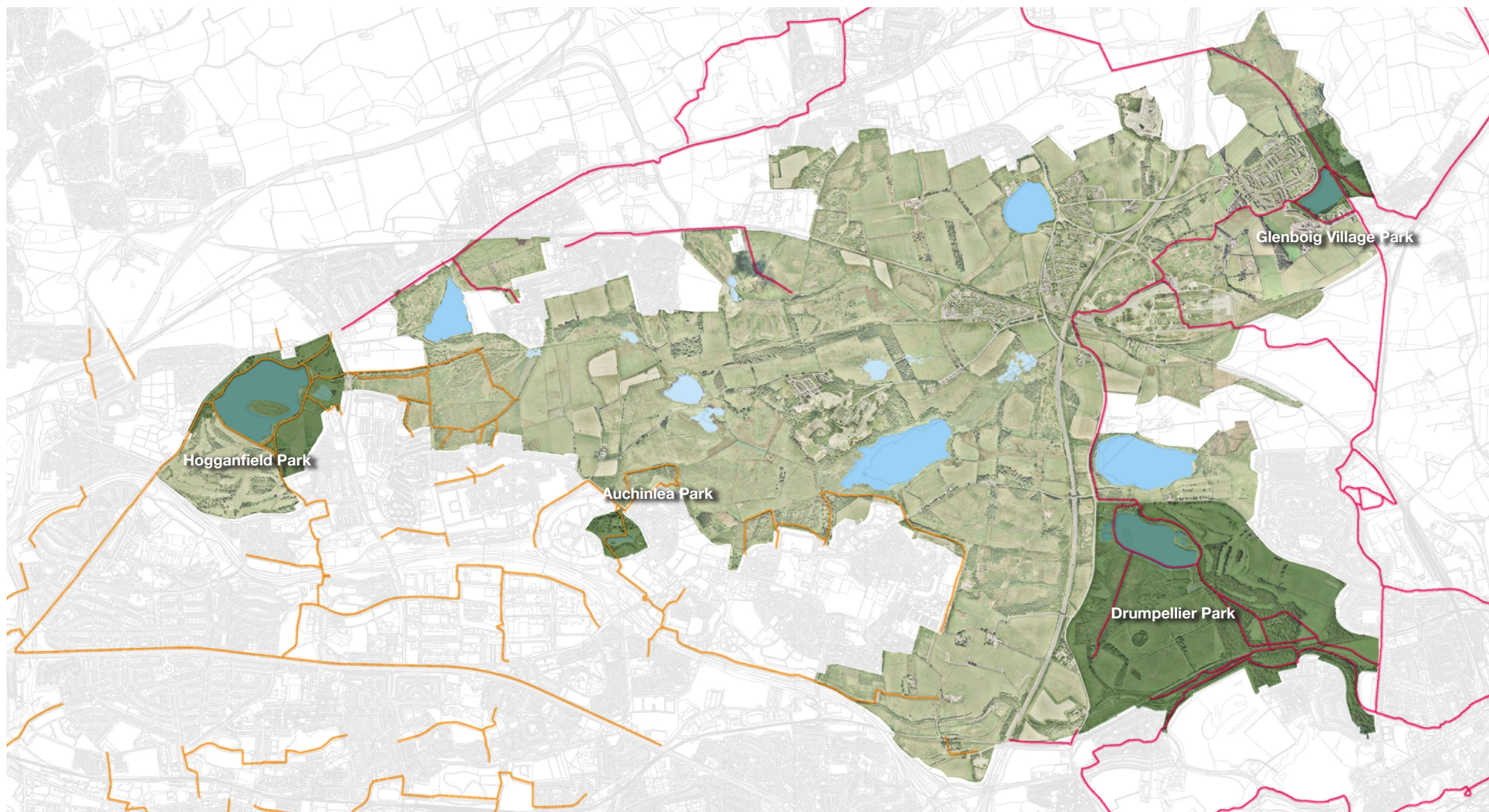


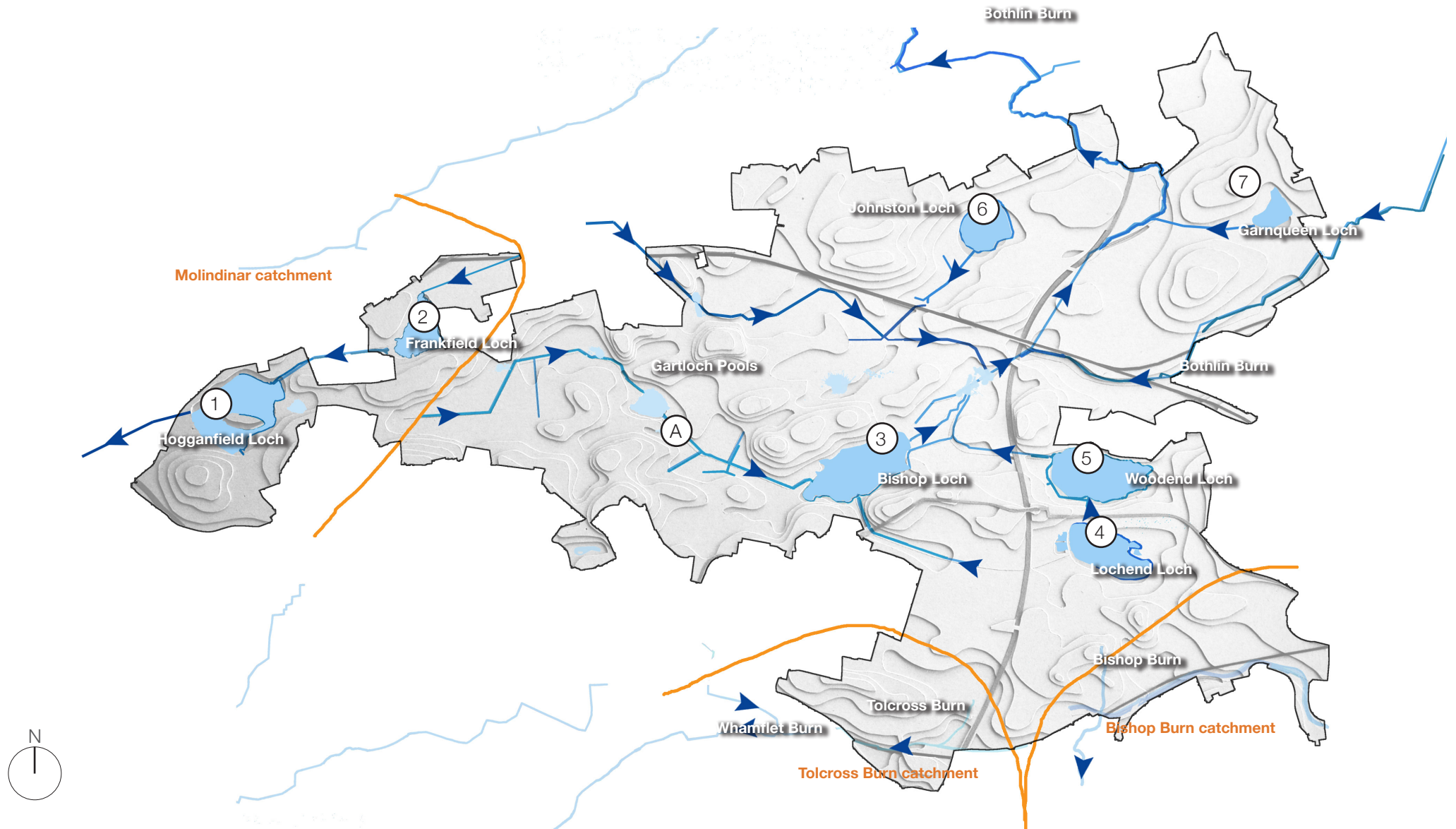




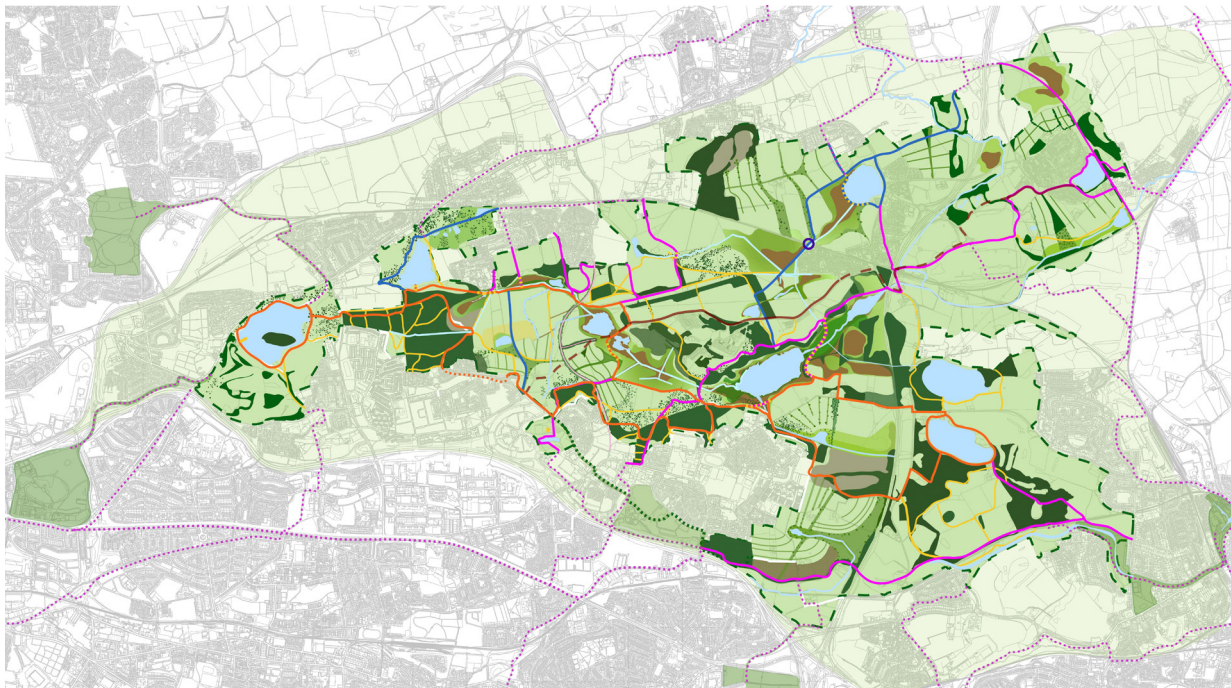


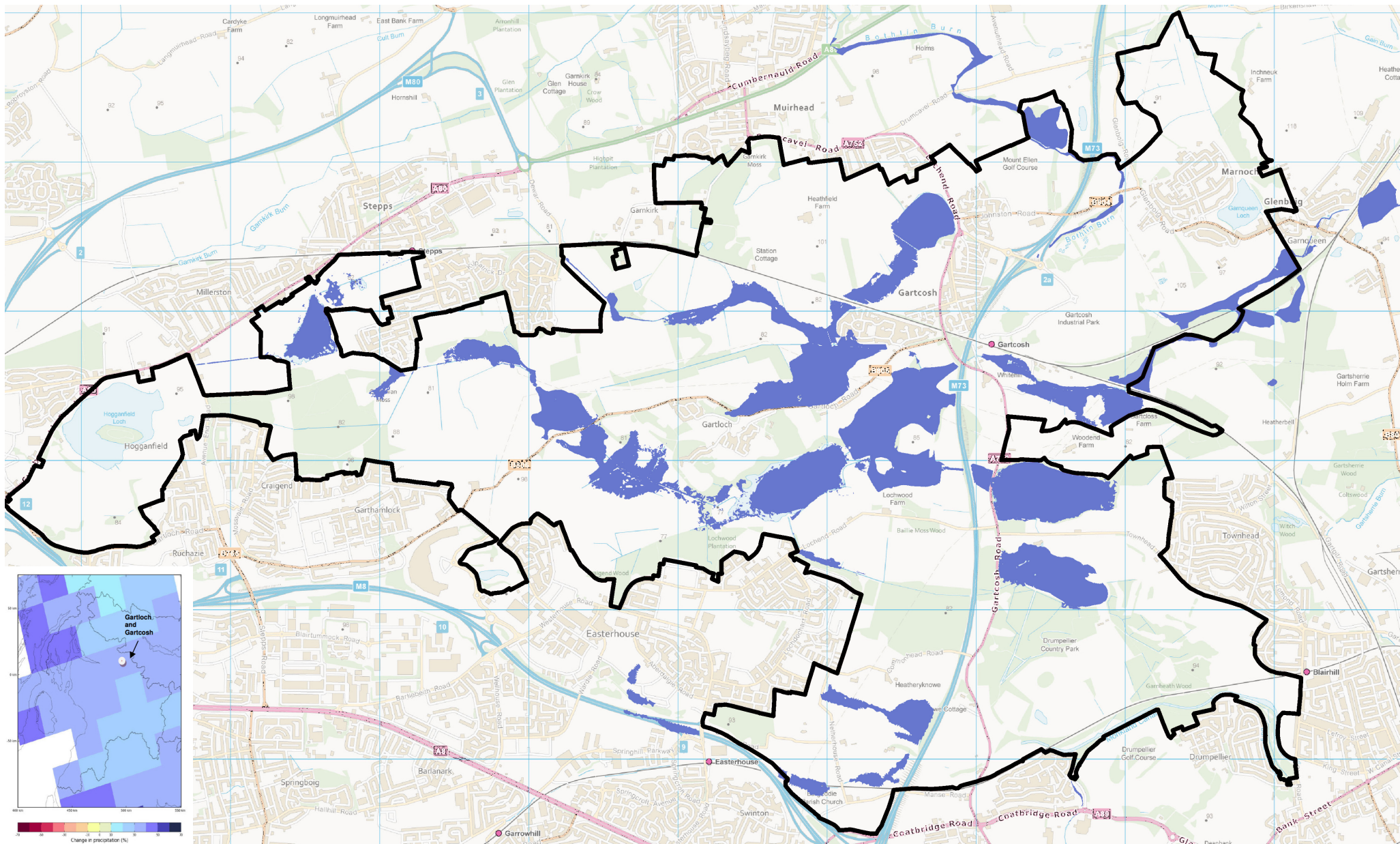




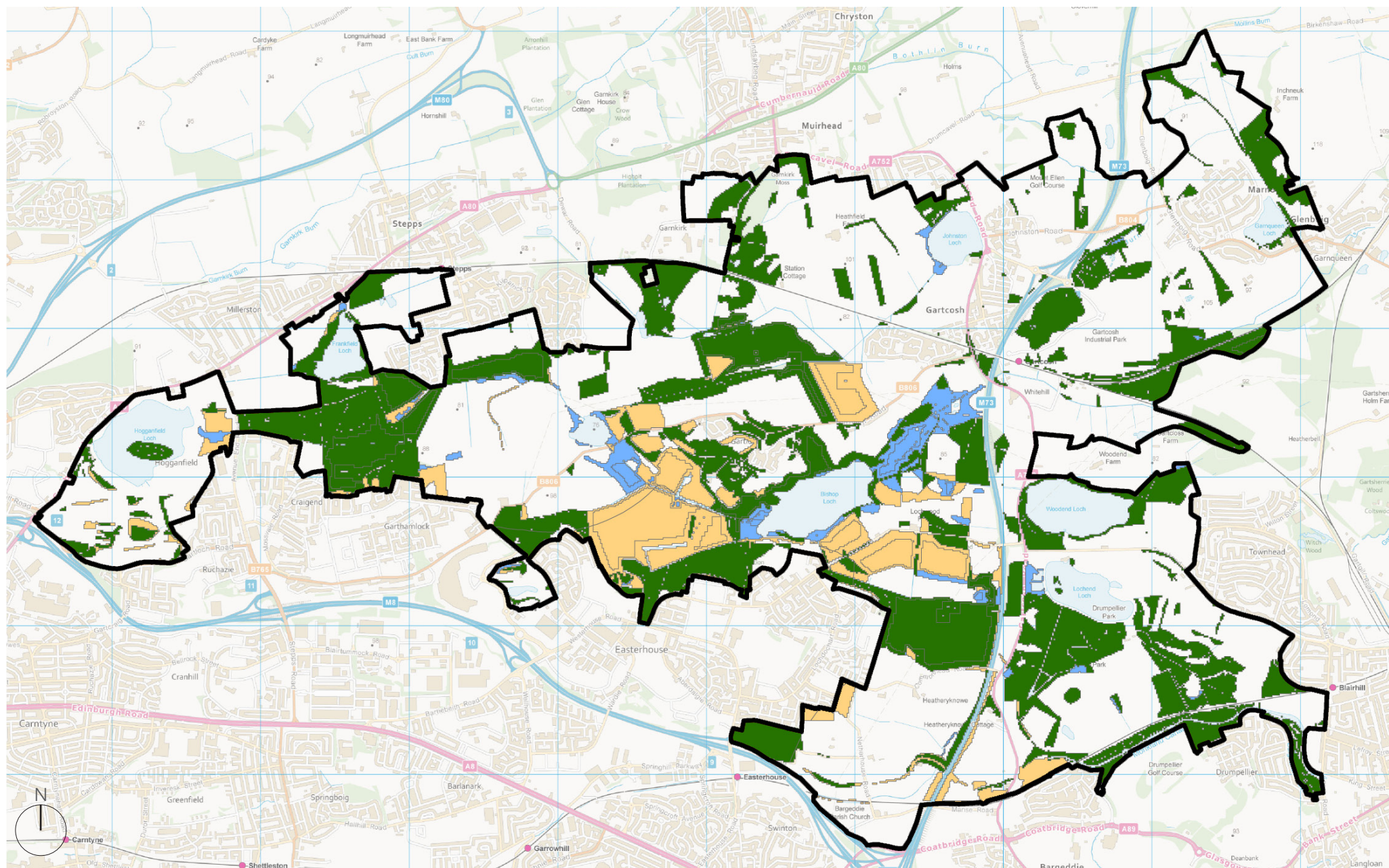


The Seven Lochs Wetland Park opportunities and constraints





Flood risk management





Site of Special Scientific Interest



Local Nature Reserve



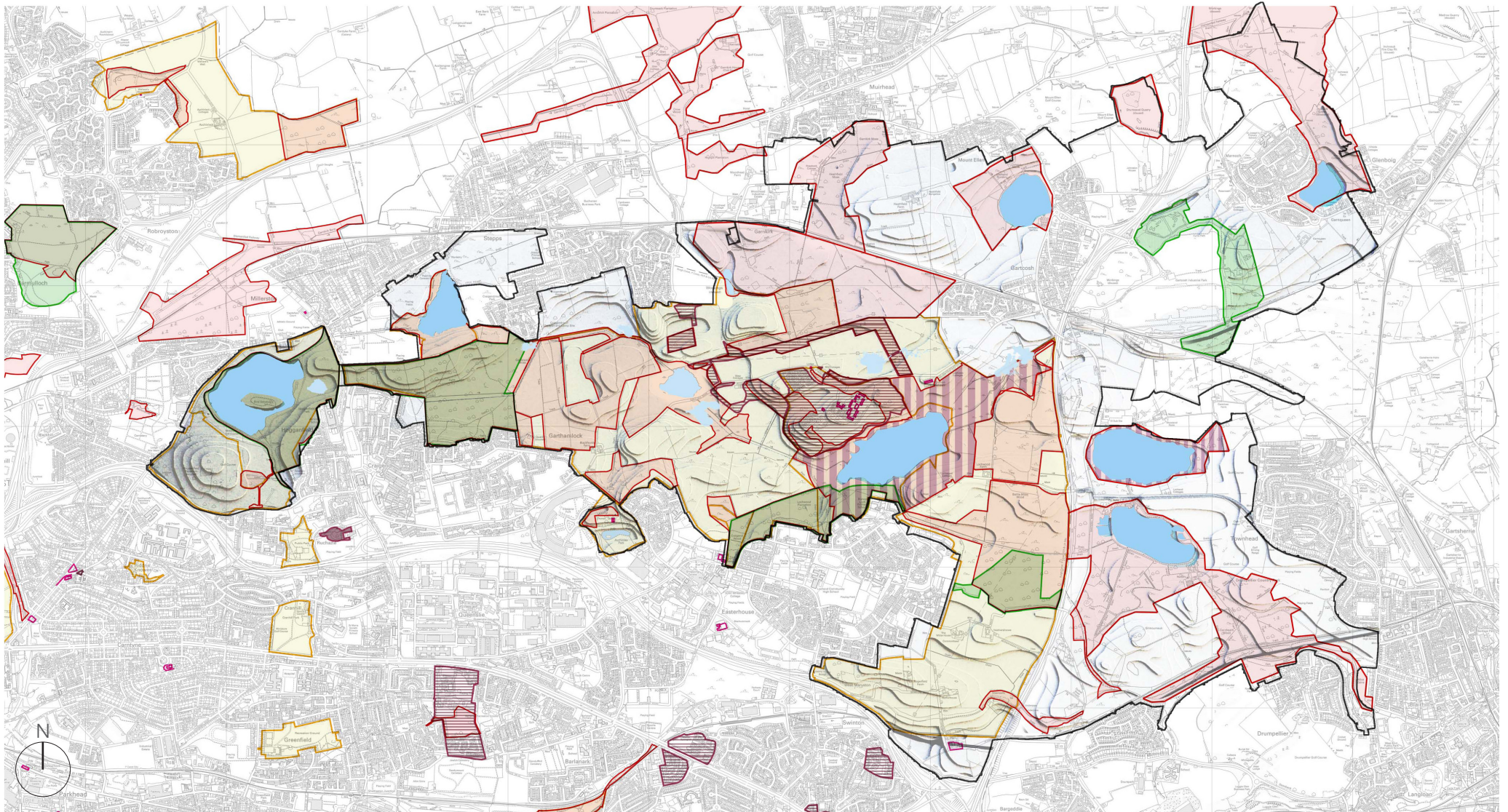
Site of Importance to Nature Conservation



Site of Special Landscape Importance



Tree Preservation Order



Habitat areas



Gartloch Distillery



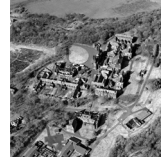
Gartloch Road



Lochend Road



Gartcosh Steelworks



Gartloch Hospital



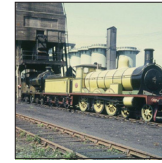
Gartcosh Steelworks



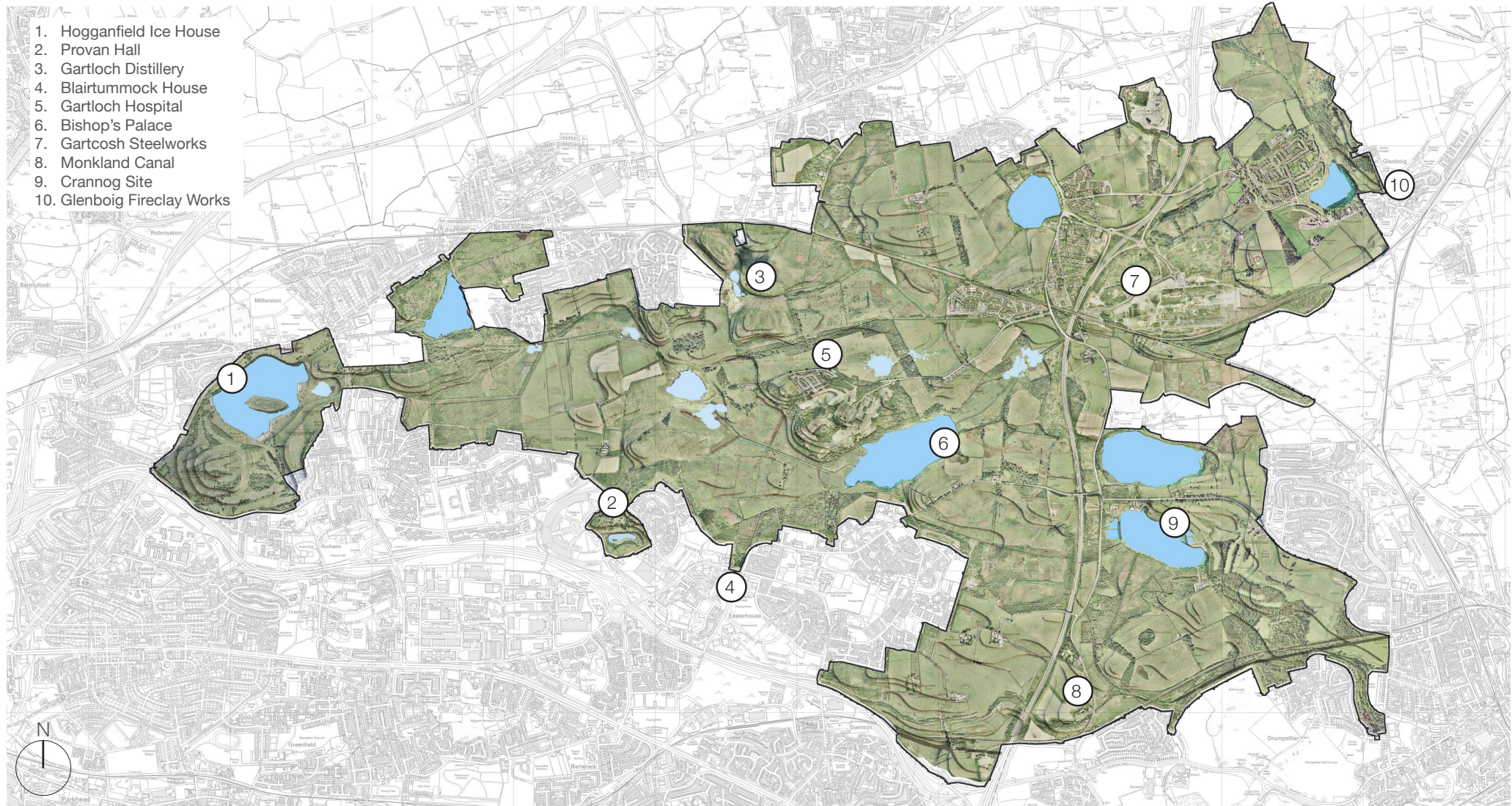
Monkland Canal



Gartcosh Steelworks



Coatbridge

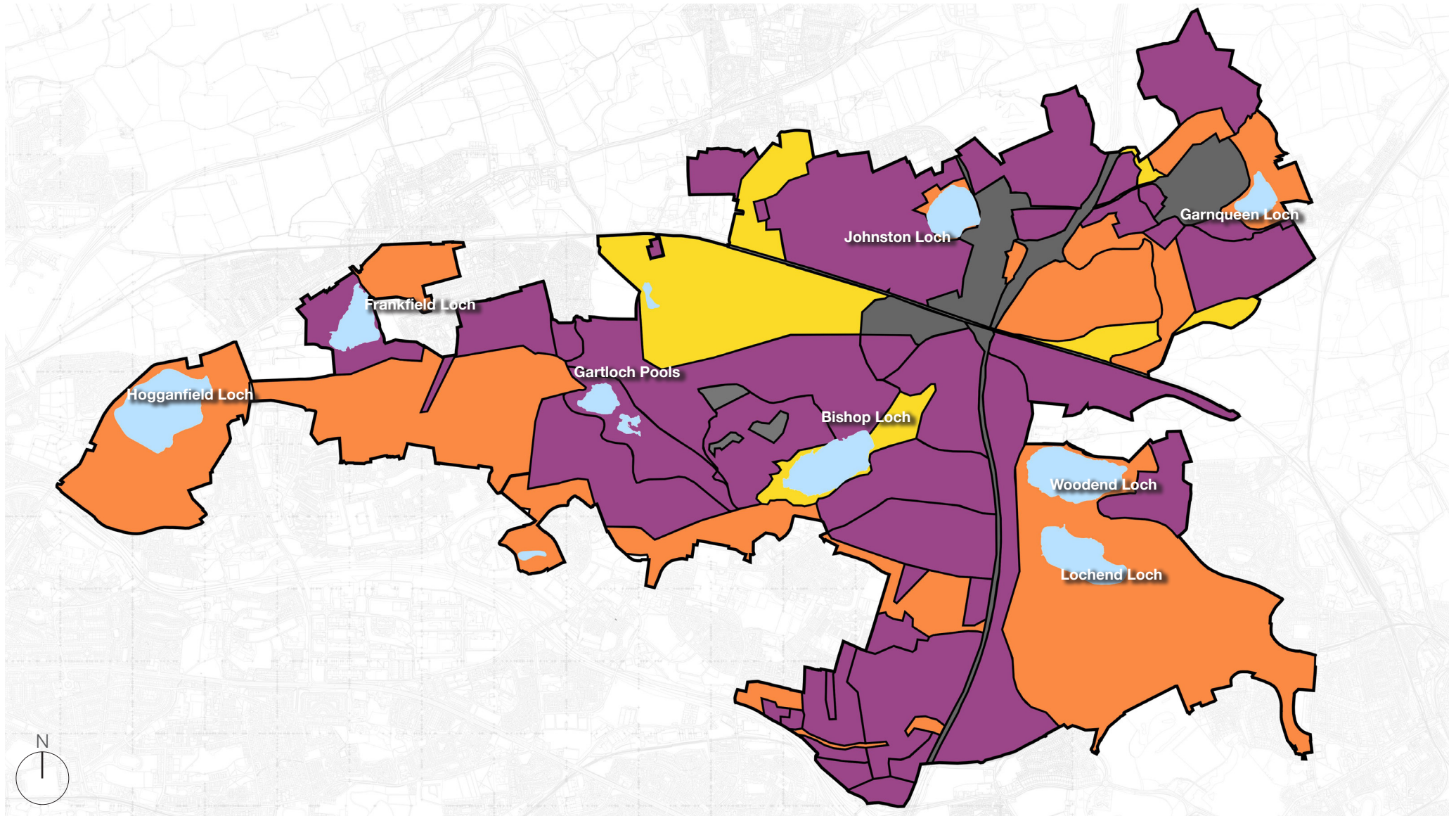






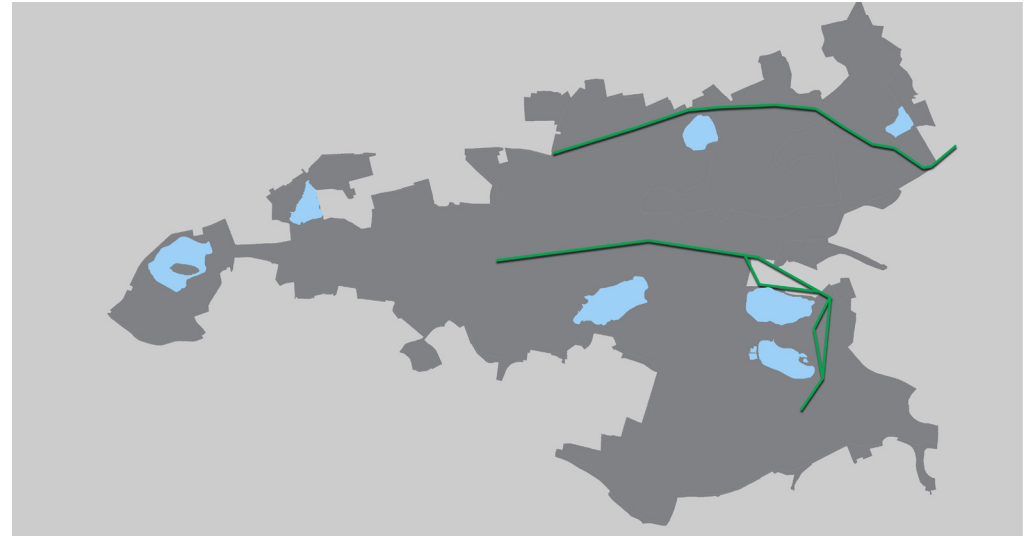




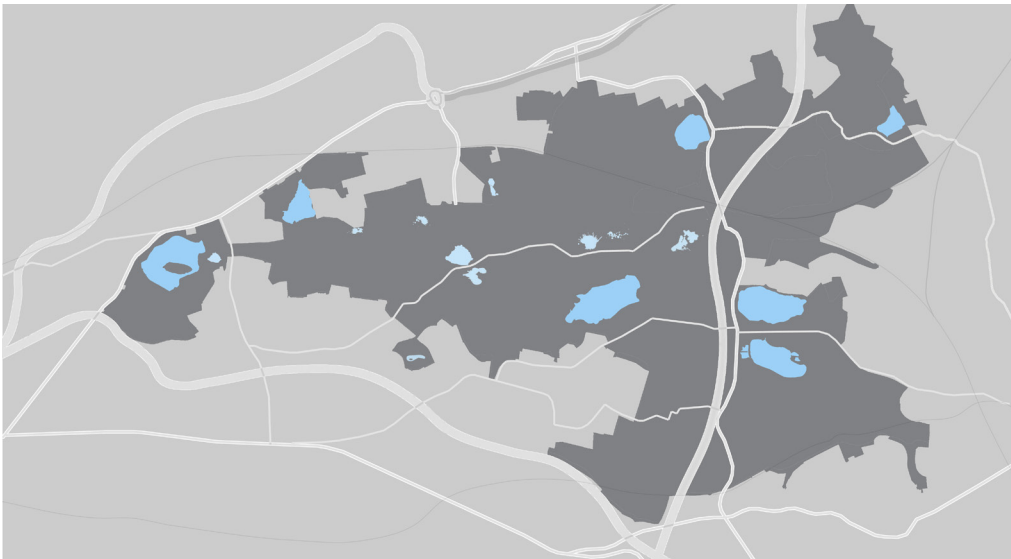




Pylons



High pressure gas mains



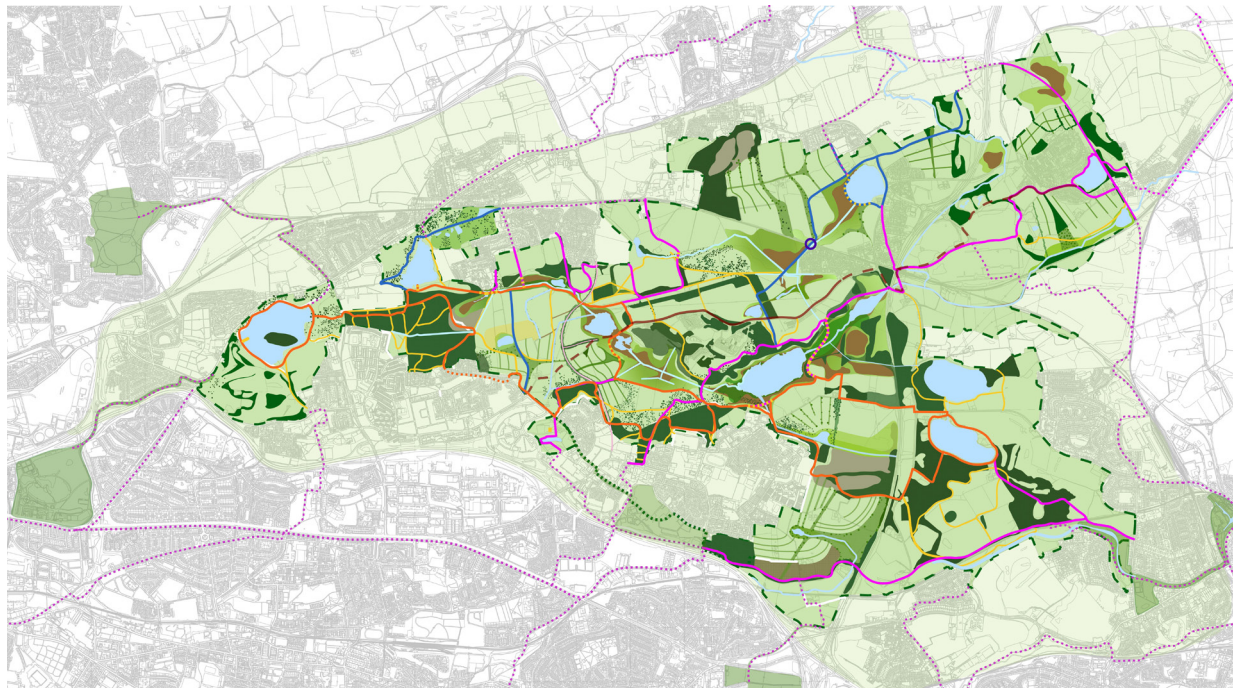
Road infrastructure

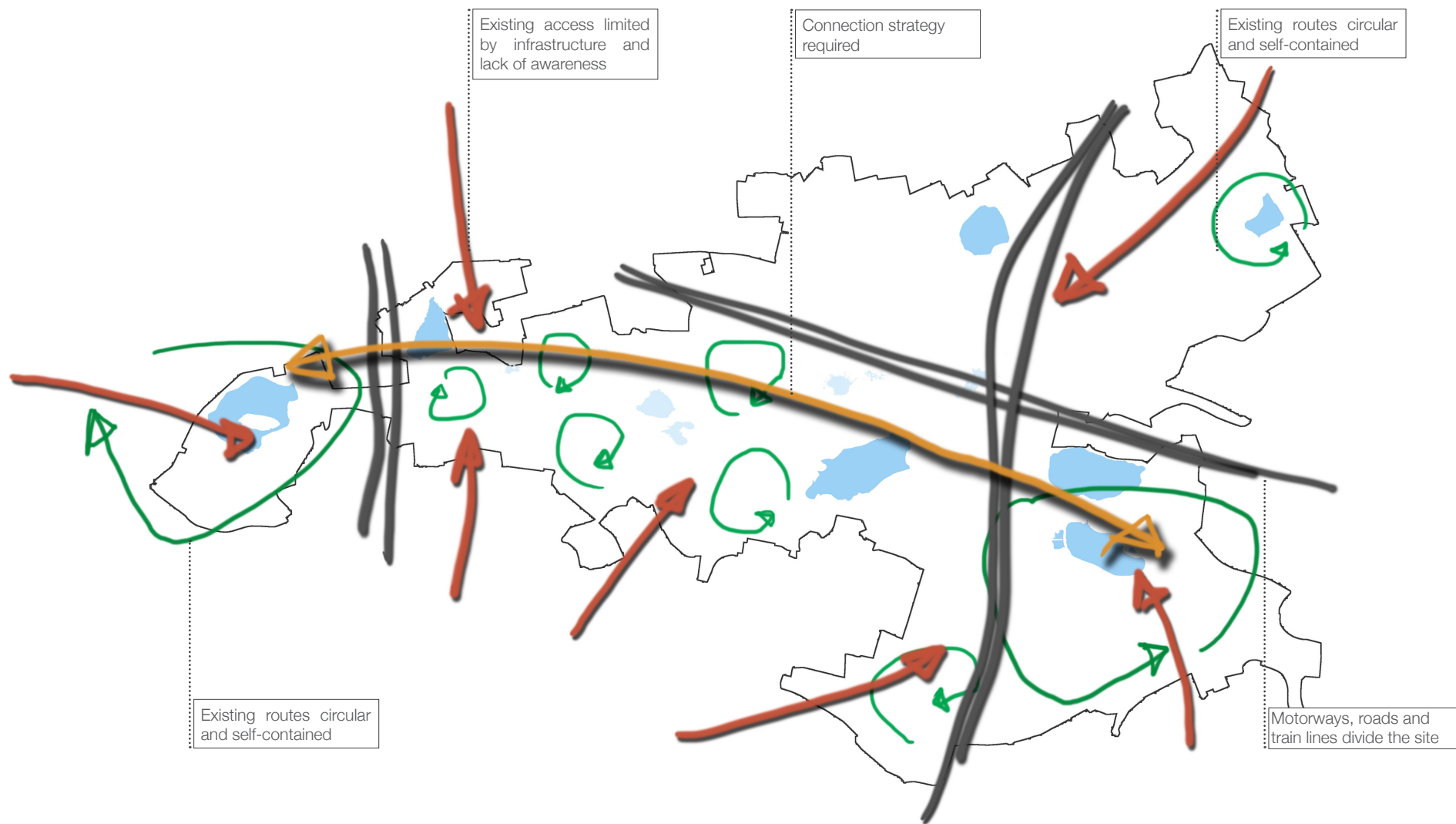


Rail infrastructure

The Seven Lochs Wetland Park

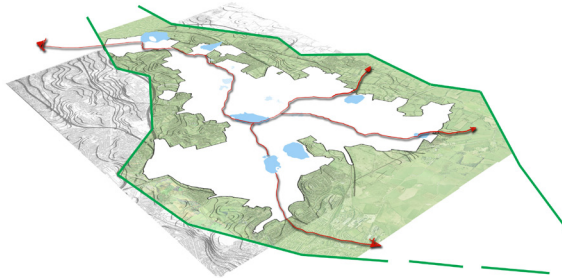
Recreation proposals



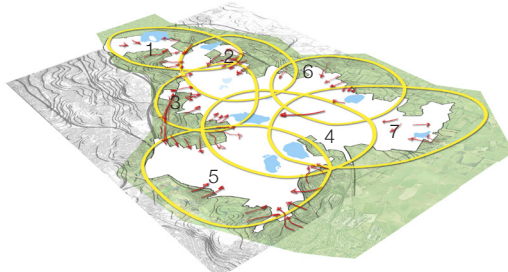


The key principles

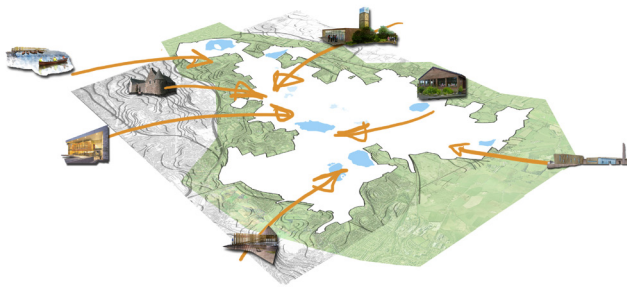
Guiding principles agreed for the creation of the Seven Lochs Wetland Park



Delineation of a green corridor and strategic routes



Identify 7 zone areas and associated connections to local communities



Identify 7 principal gateway buildings

- Integrate a strategy for current and future water management into the creation and management of the Wetland Park, with an emphasis on flood risk mitigation and improving water quality.

- Support regeneration and the creation of better places by integrating new development into the wetland park and linking the park with neighbouring communities through a network of high quality, accessible greenspaces.

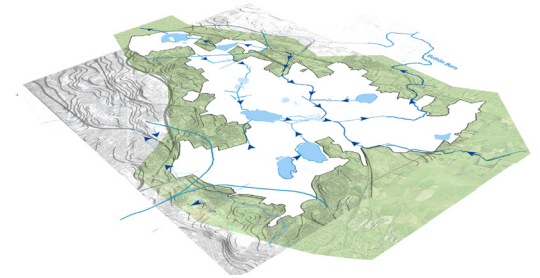
- Co-ordinate environmental enhancement across the area, protecting and enhancing existing landscapes, and creating new water bodies, wetlands and other habitats to expand existing habitat networks.

- Plan for the future by identifying, protecting and enhancing vital ecosystem services and integrating climate change adaptation and mitigation into the park plan.

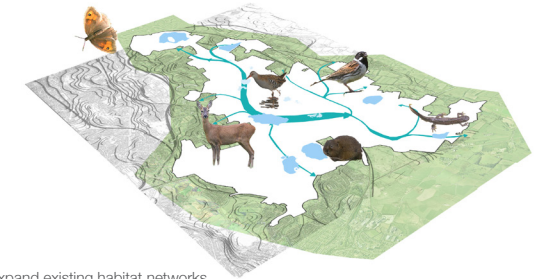
- Encourage education, enjoyment, and participation, and support training, job creation and the growth of social enterprises, using gateway buildings as a focus for recreational activity at key locations in around the wetland park.

- Promote public access and wellbeing by developing routes through the wetland park which link accessible gateways with key heritage and natural heritage features and encouraging connectivity.

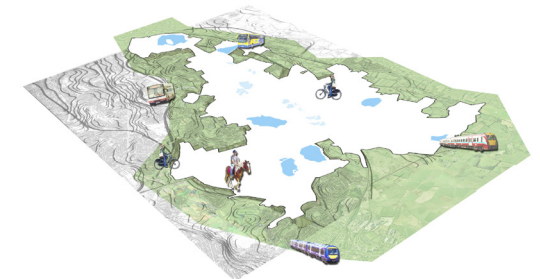
- Identify specific zones within the park which relate to surrounding communities, and propose site specific interventions and focal points to encourage park interaction.



Integrate strategy for water management



Expand existing habitat networks



Enhance connectivity with existing and new transport links

Hogganfield Gateway

Stepps Gateway

Principal East-West route

Road links M80, M8, M73

North rail link via
Gartcosh / Stepps

Gartcosh Gateway

Glenboig Gateway

Provan Hall Gateway

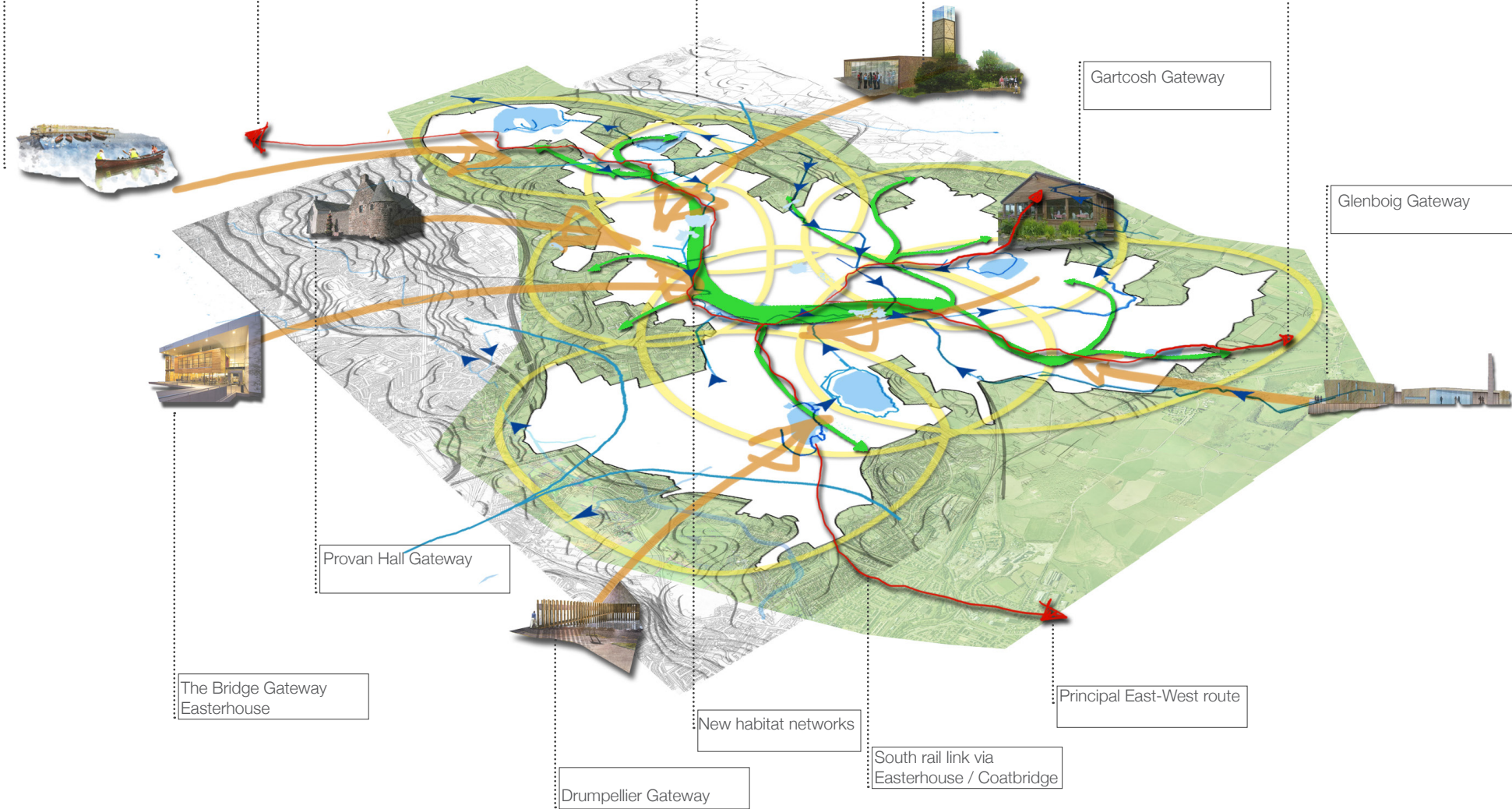
The Bridge Gateway
Easterhouse

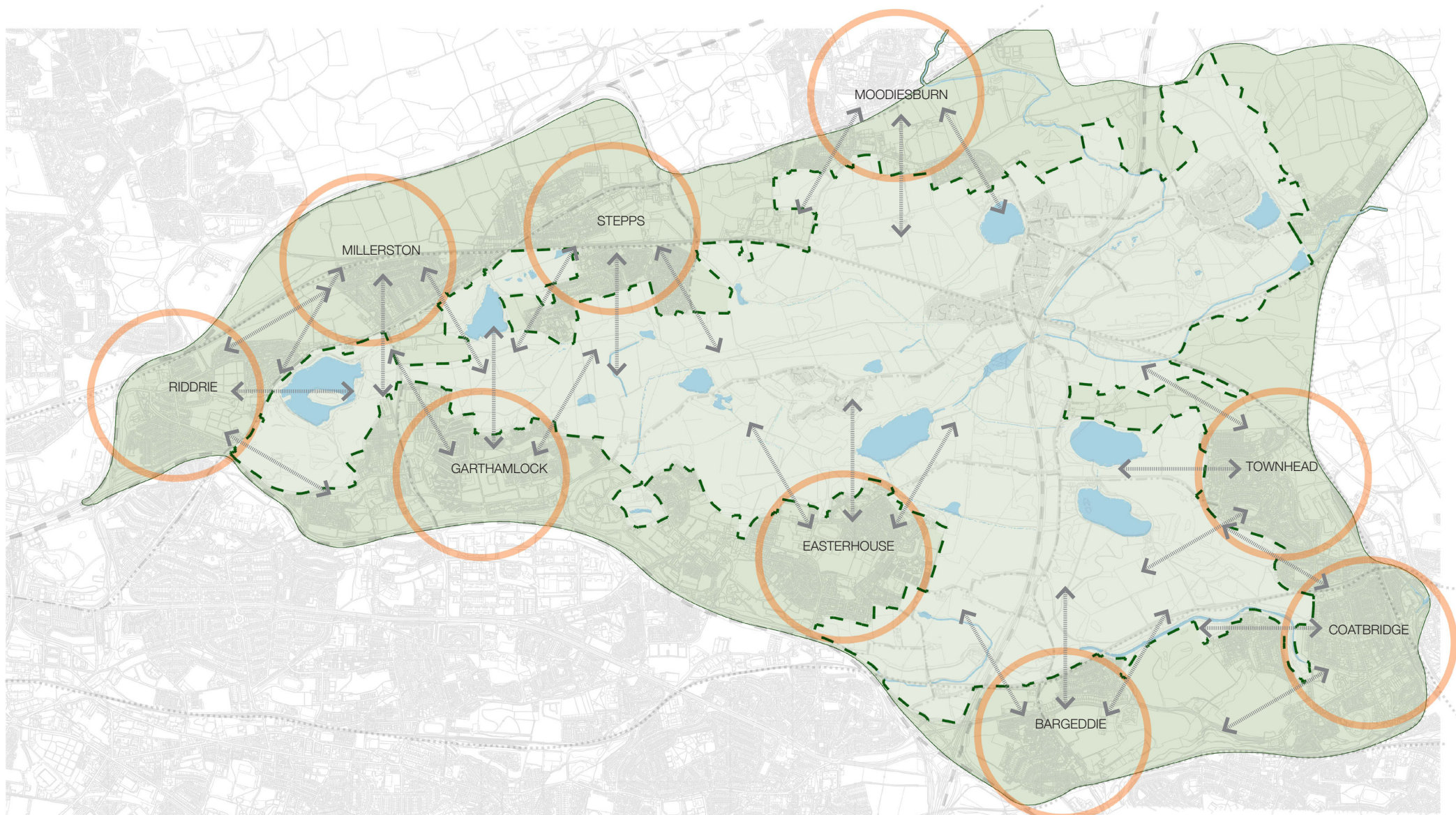
New habitat networks

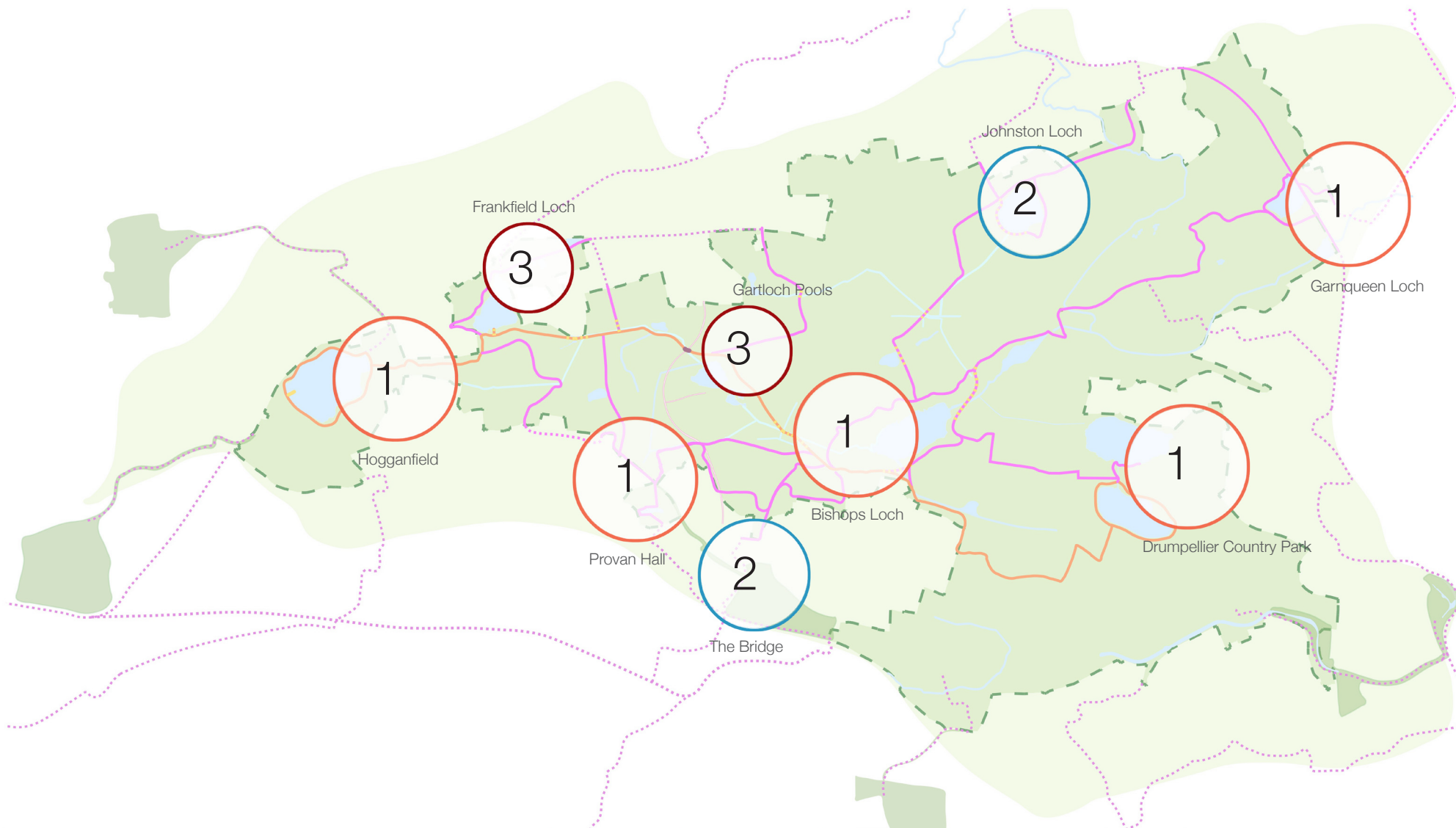
Principal East-West route

South rail link via
Easterhouse / Coatbridge

Drumpellier Gateway









1 Hogganfield Park



3 Provan Hall, Easterhouse



5 Johnston Loch Tearoom, Gartcosh



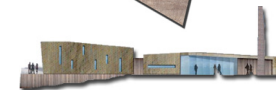
2 Shops and Visitor Centre, Stepps



4 The Bridge, Easterhouse



6 Drumpellier Country Park



7 Glenboig Life Centre
(by gca architecture + design)

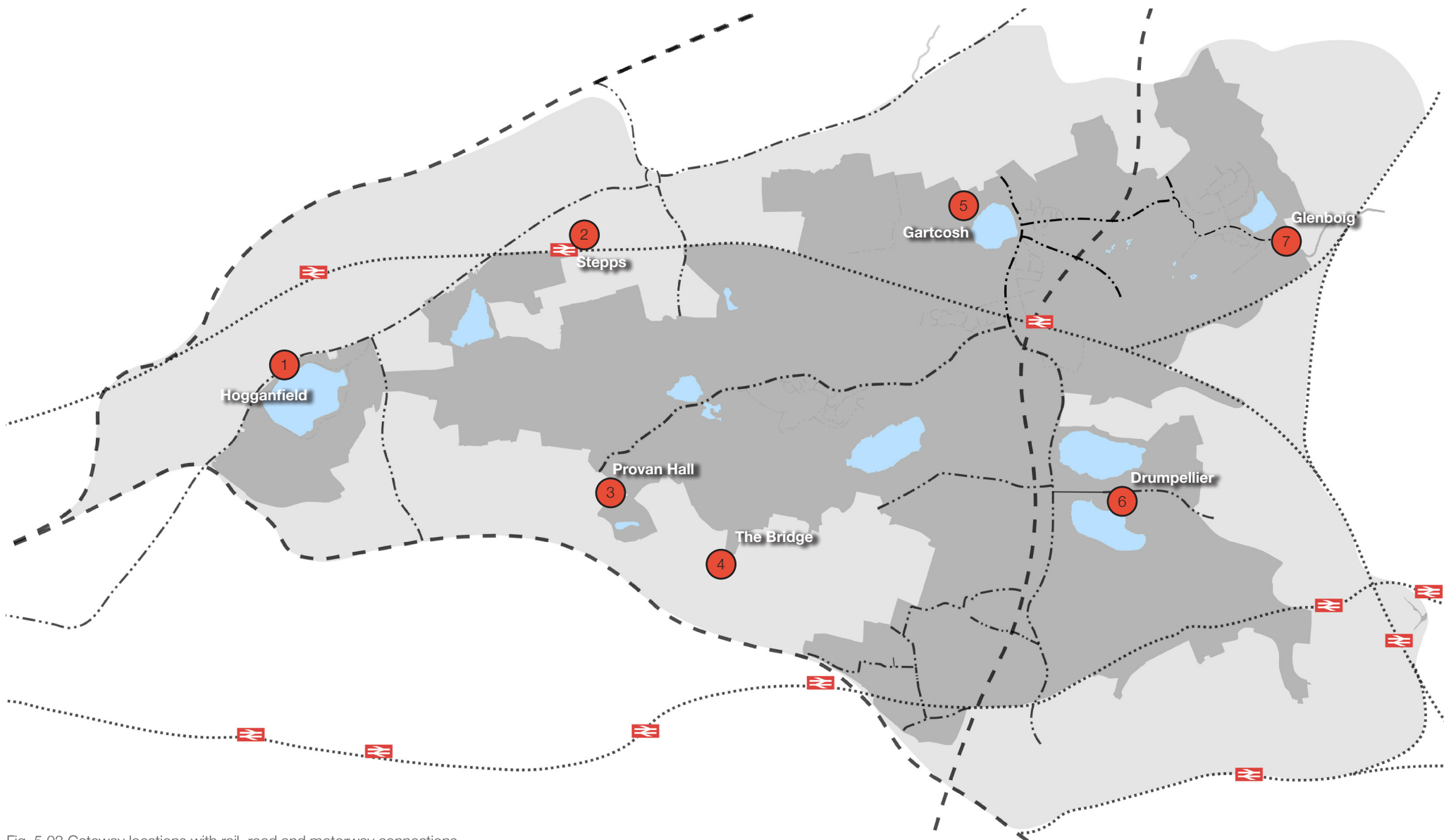


Fig. 5.02 Gateway locations with rail, road and motorway connections



Railway station signage



Bus stop signage

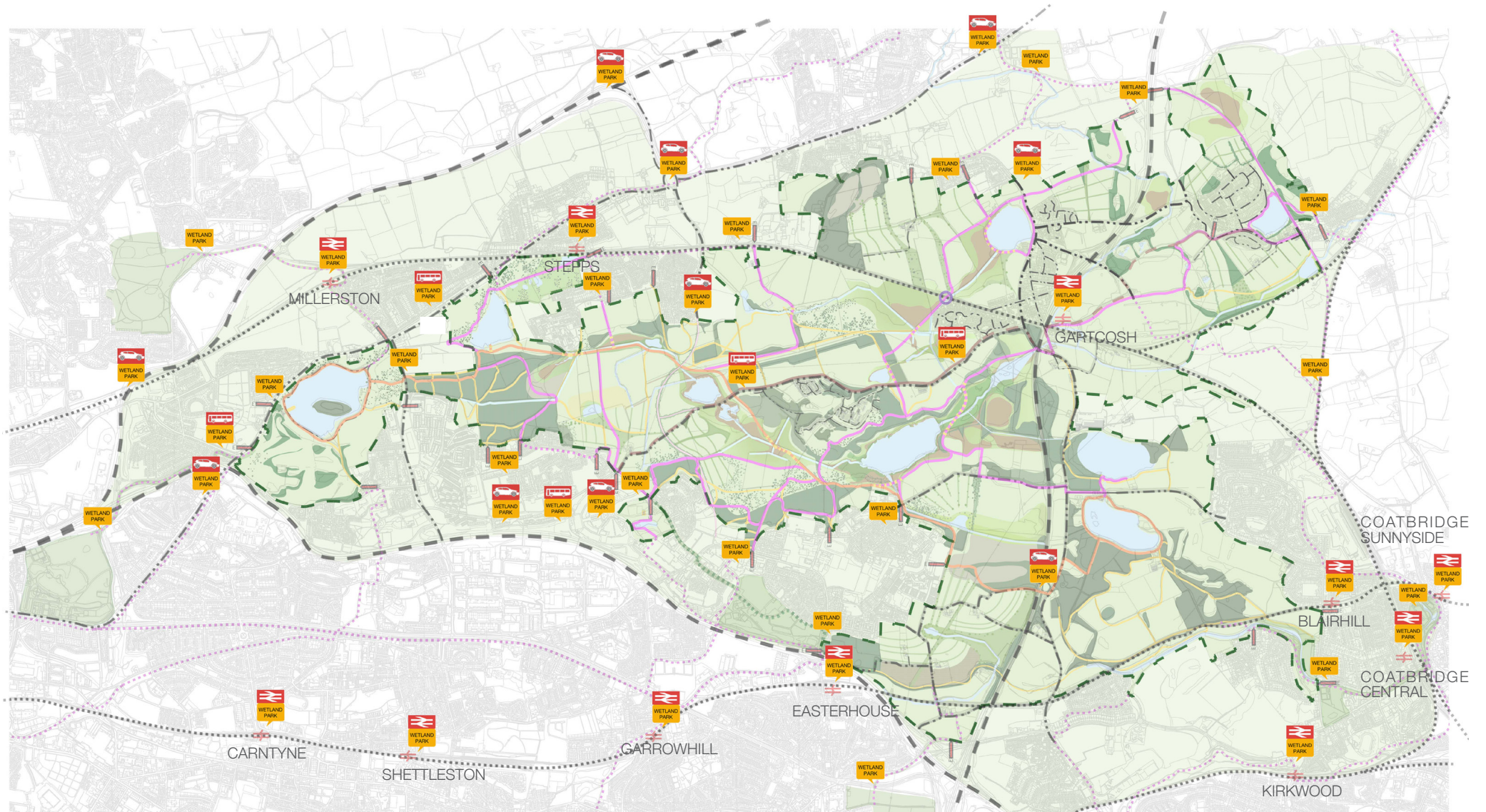
E  Entry points



Road signage



Pedestrian and cycle signage



Wayfinding - strategic signage locations

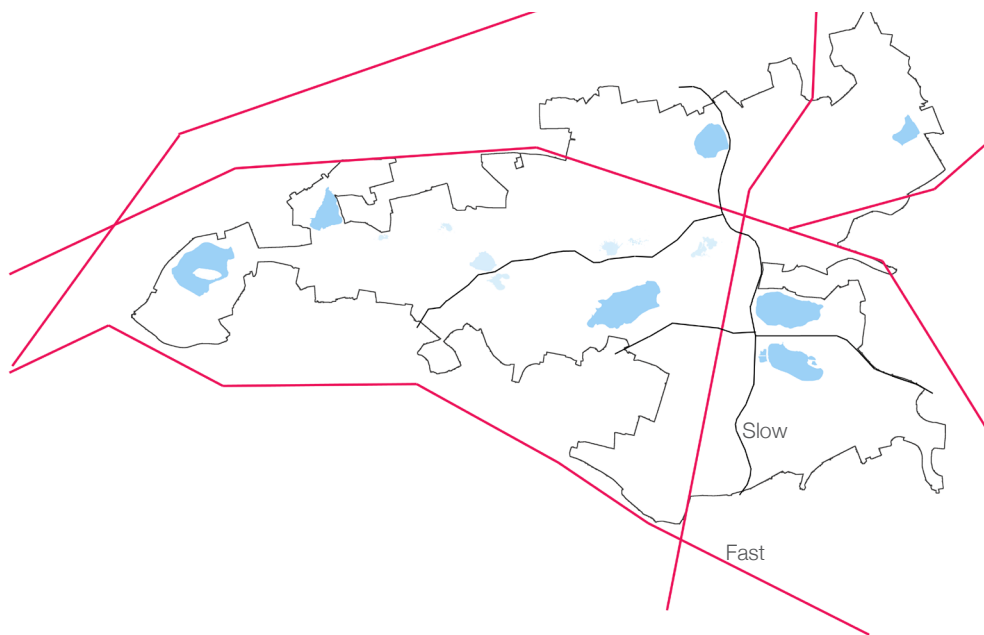


Fig 5.05 Fast and slow routes

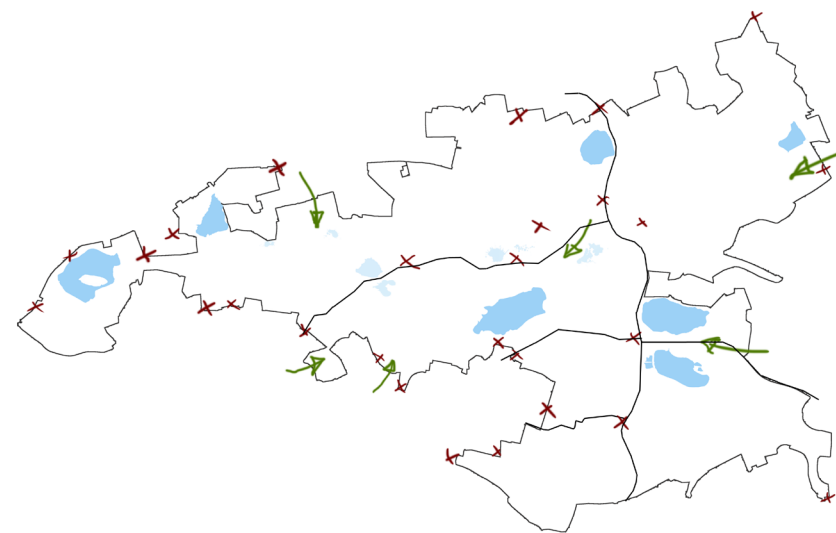


Fig 5.06 Opportunities for access and gateways

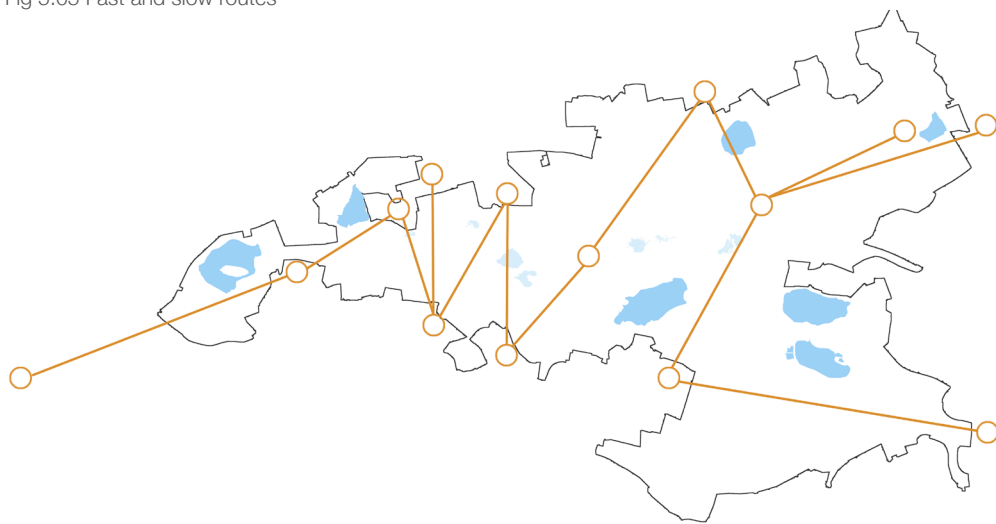


Fig 5.07 Cross-connection of communities - By plotting the possible connections across the park, the potential for the area's improved cohesion and identity can be seen.

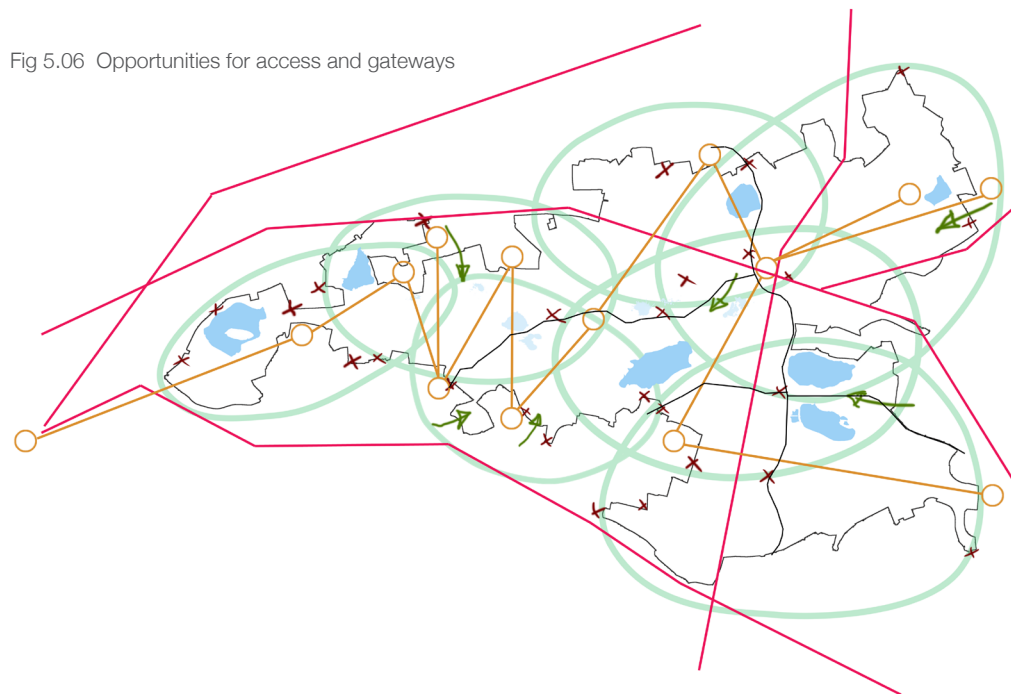
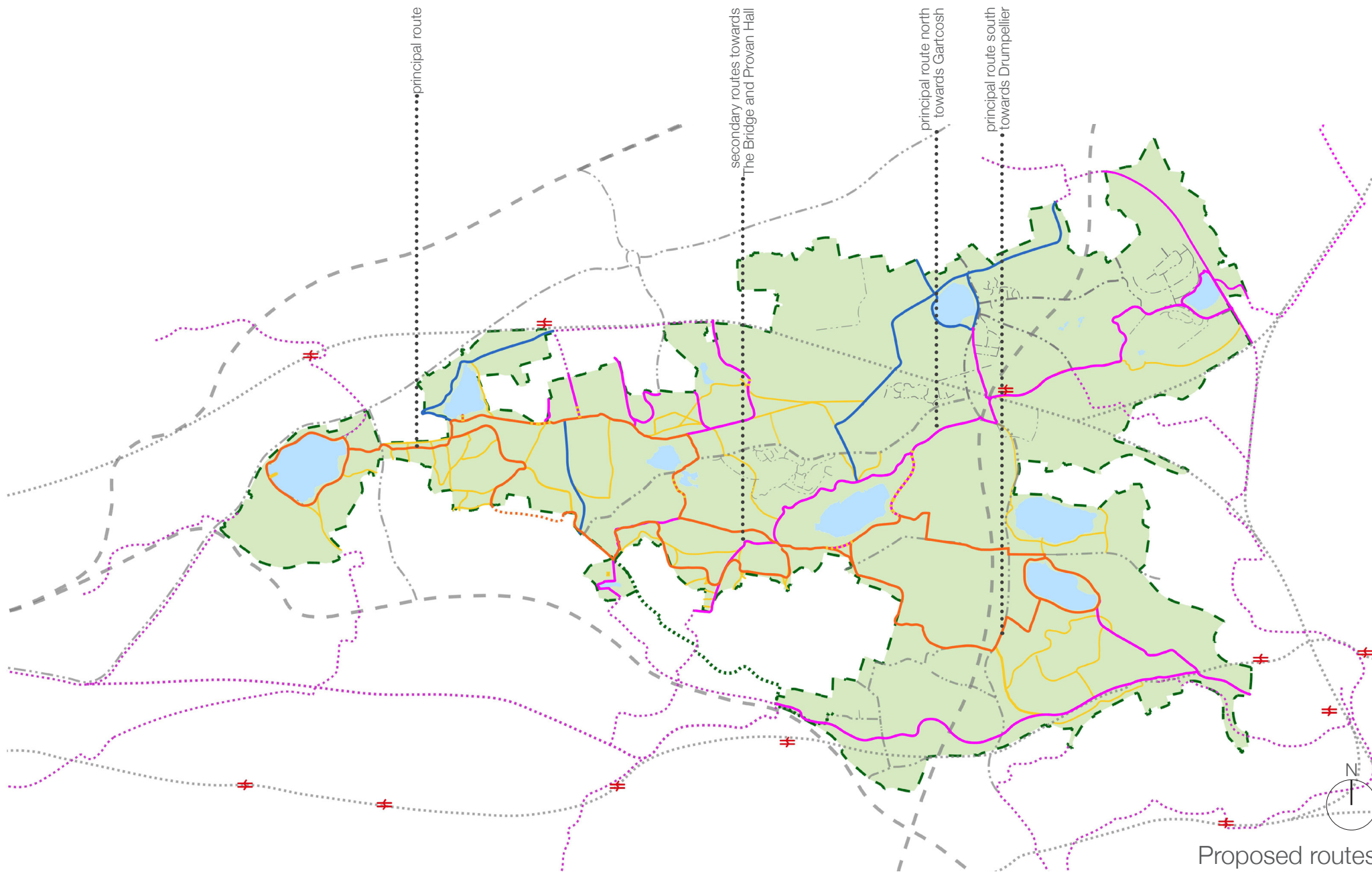


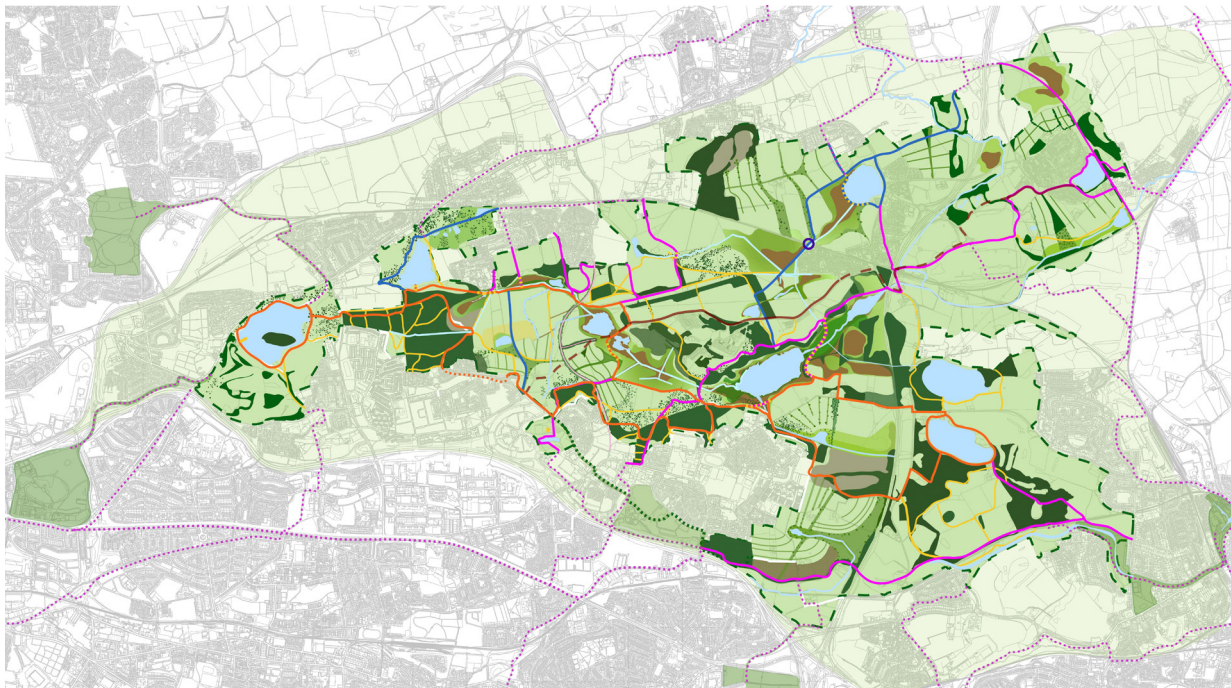
Fig 5.08 Combined connections and access strategy

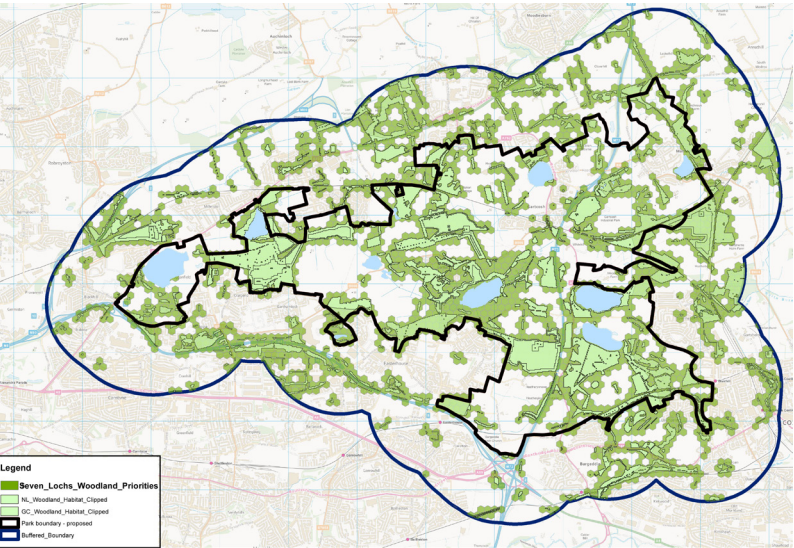
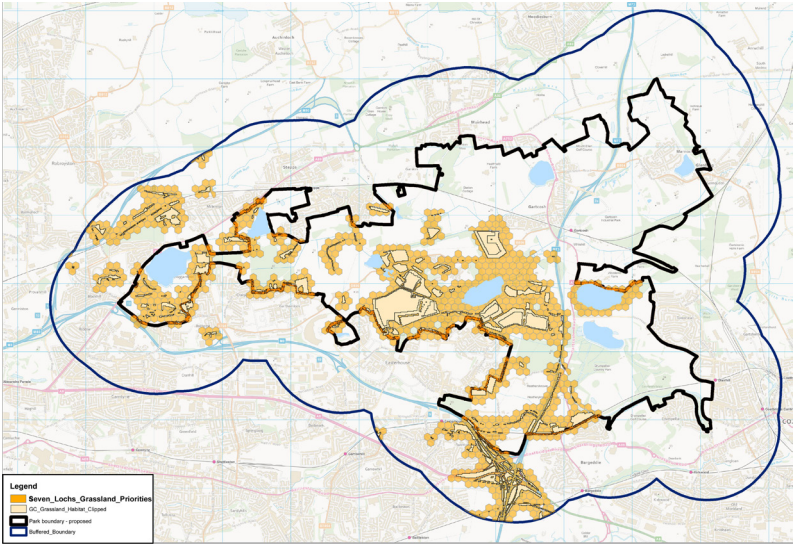
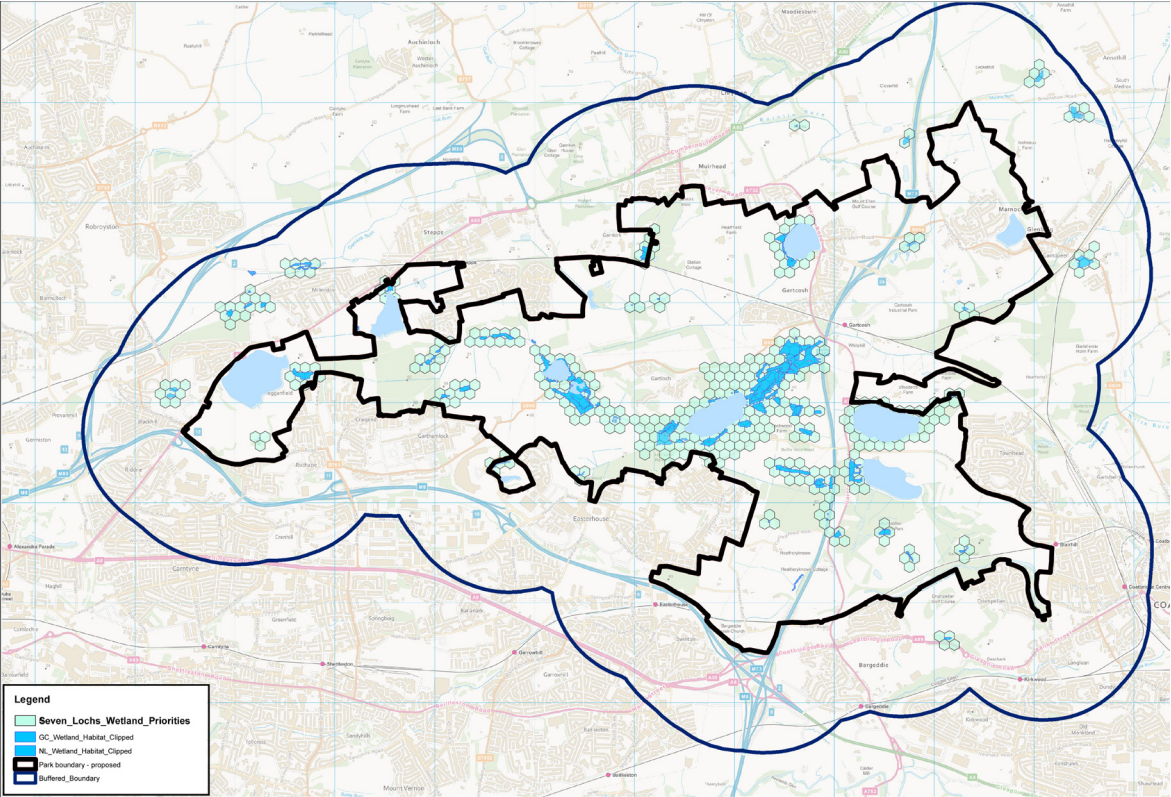


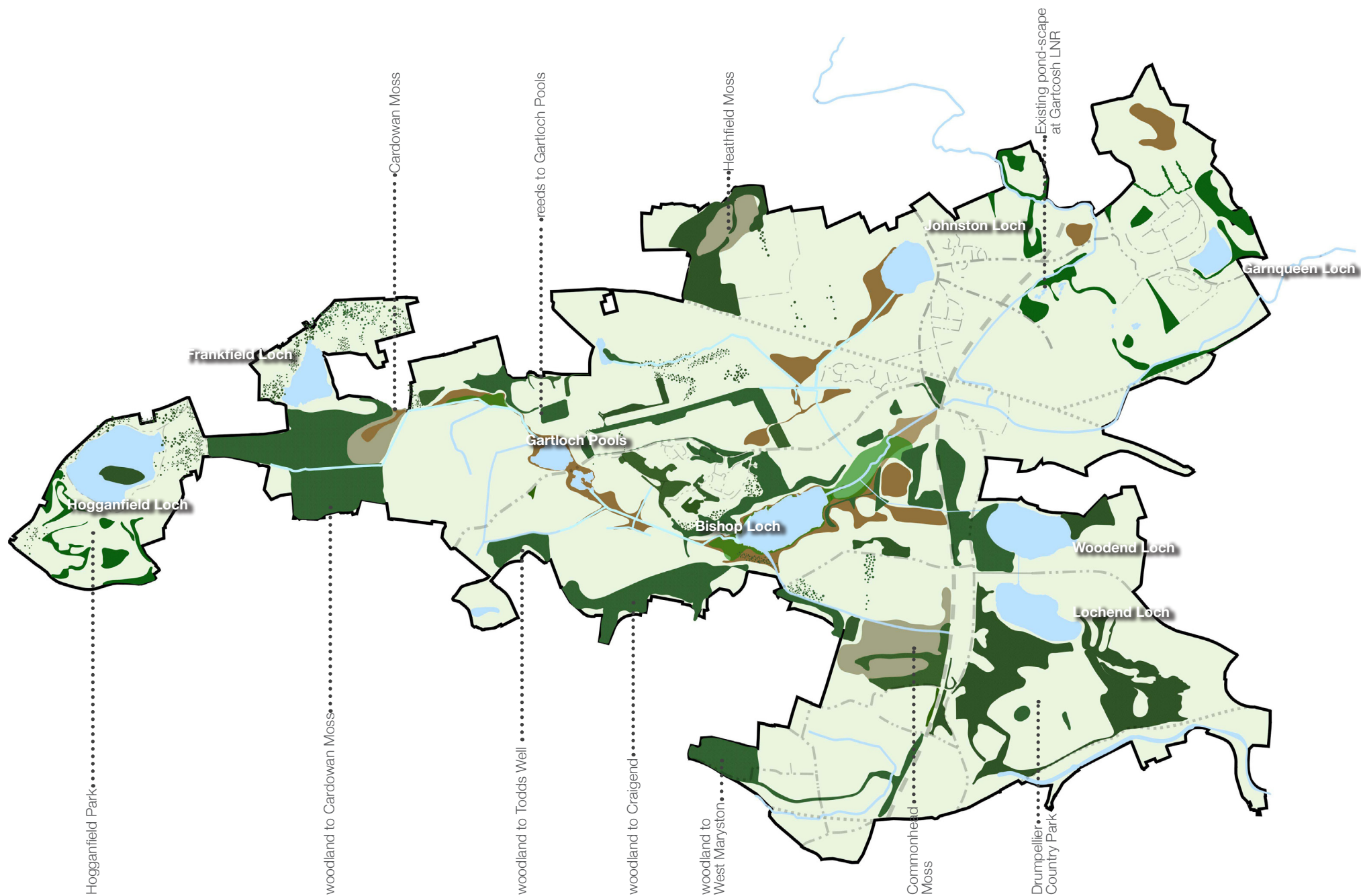
Proposed routes

The Seven Lochs Wetland Park

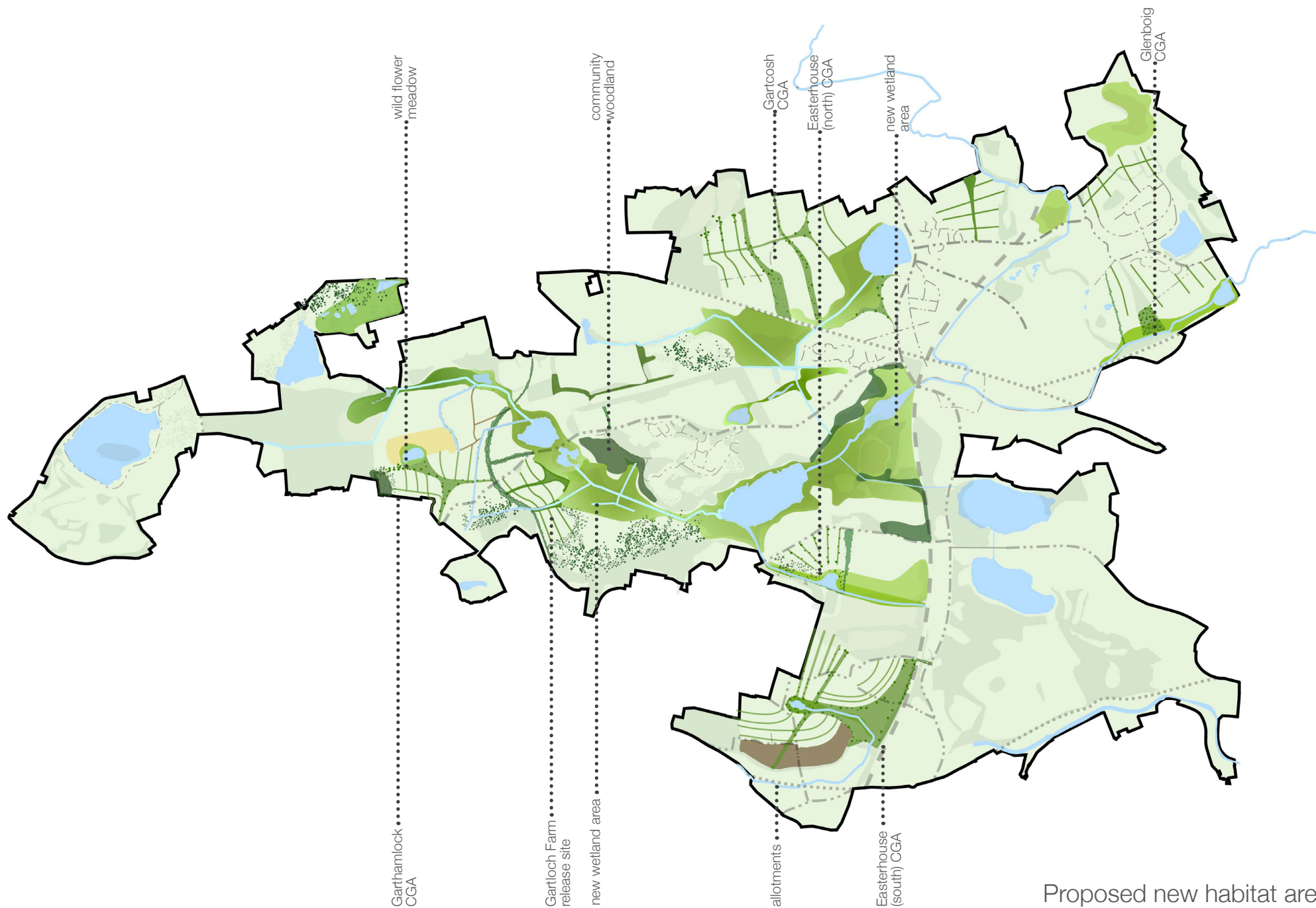
Habitat proposals







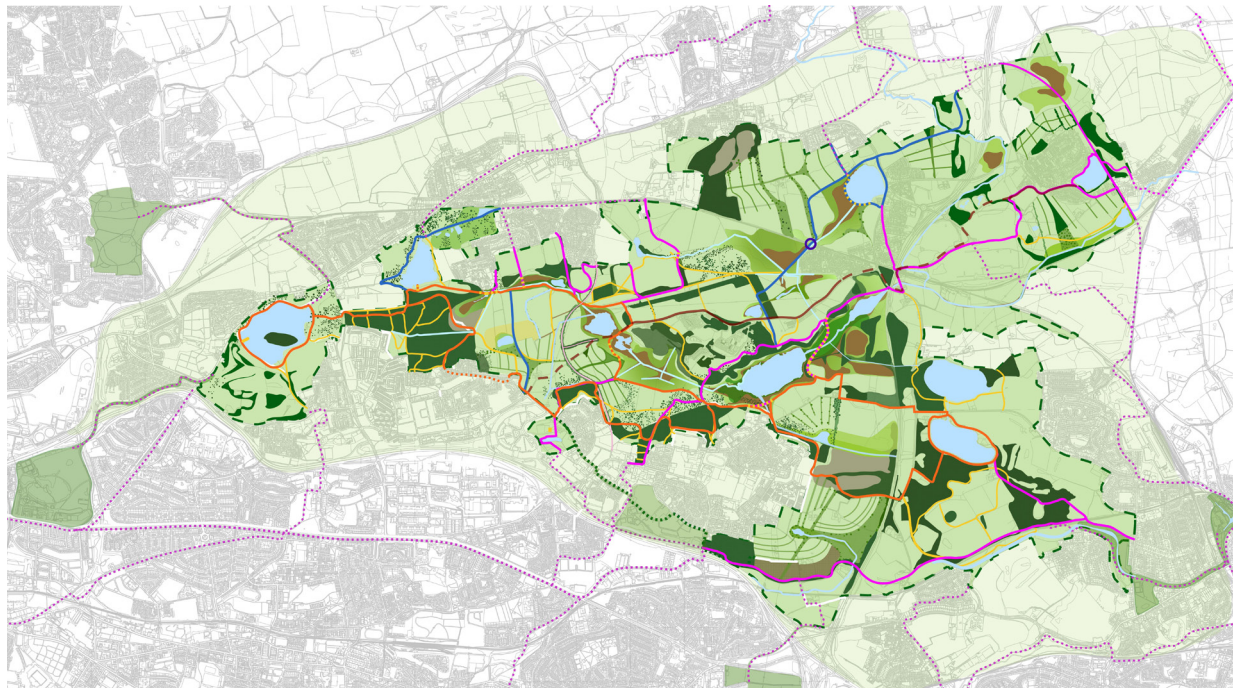
Existing habitat areas



Proposed new habitat areas
Existing habitat shown with faded tone

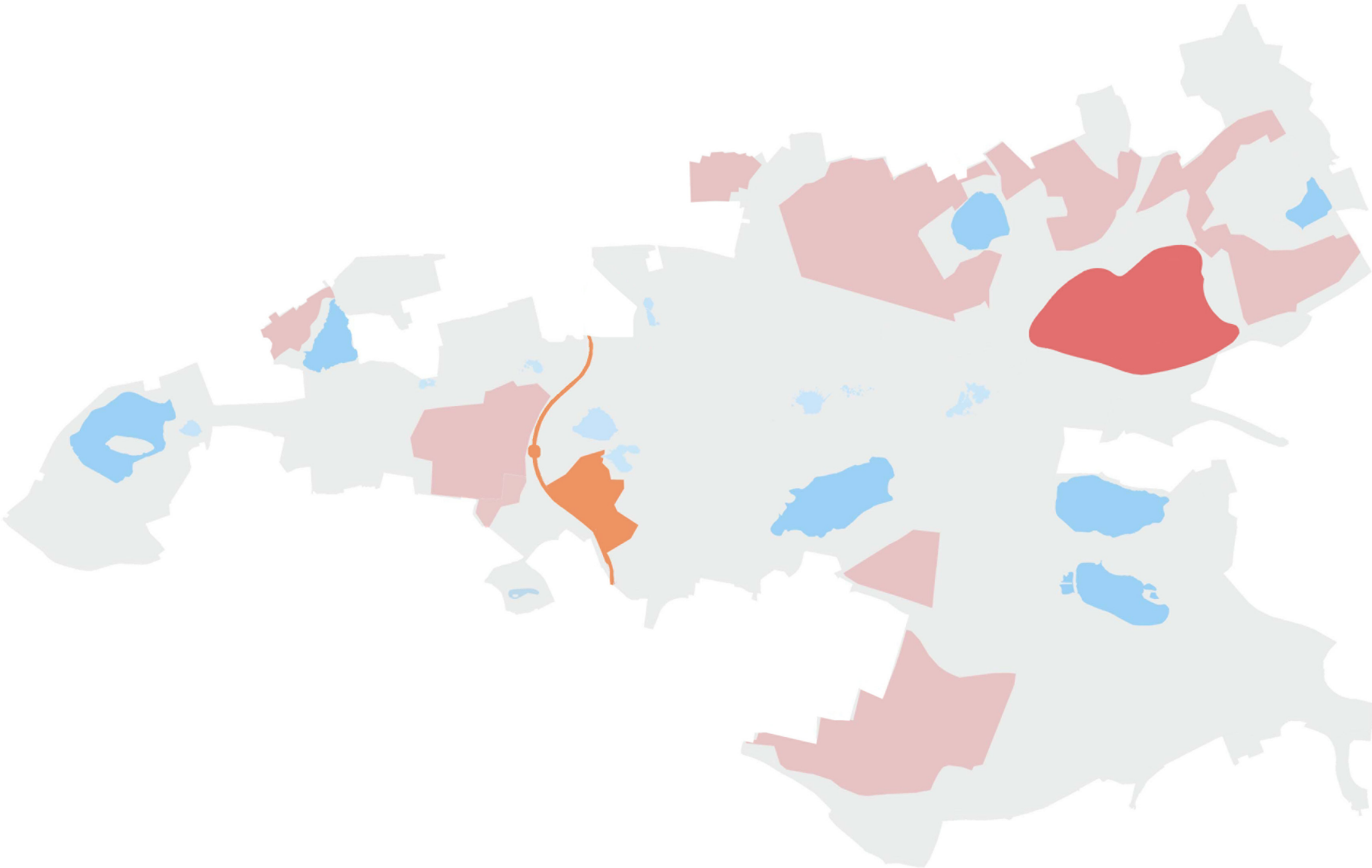
The Seven Lochs Wetland Park

Integrating Development



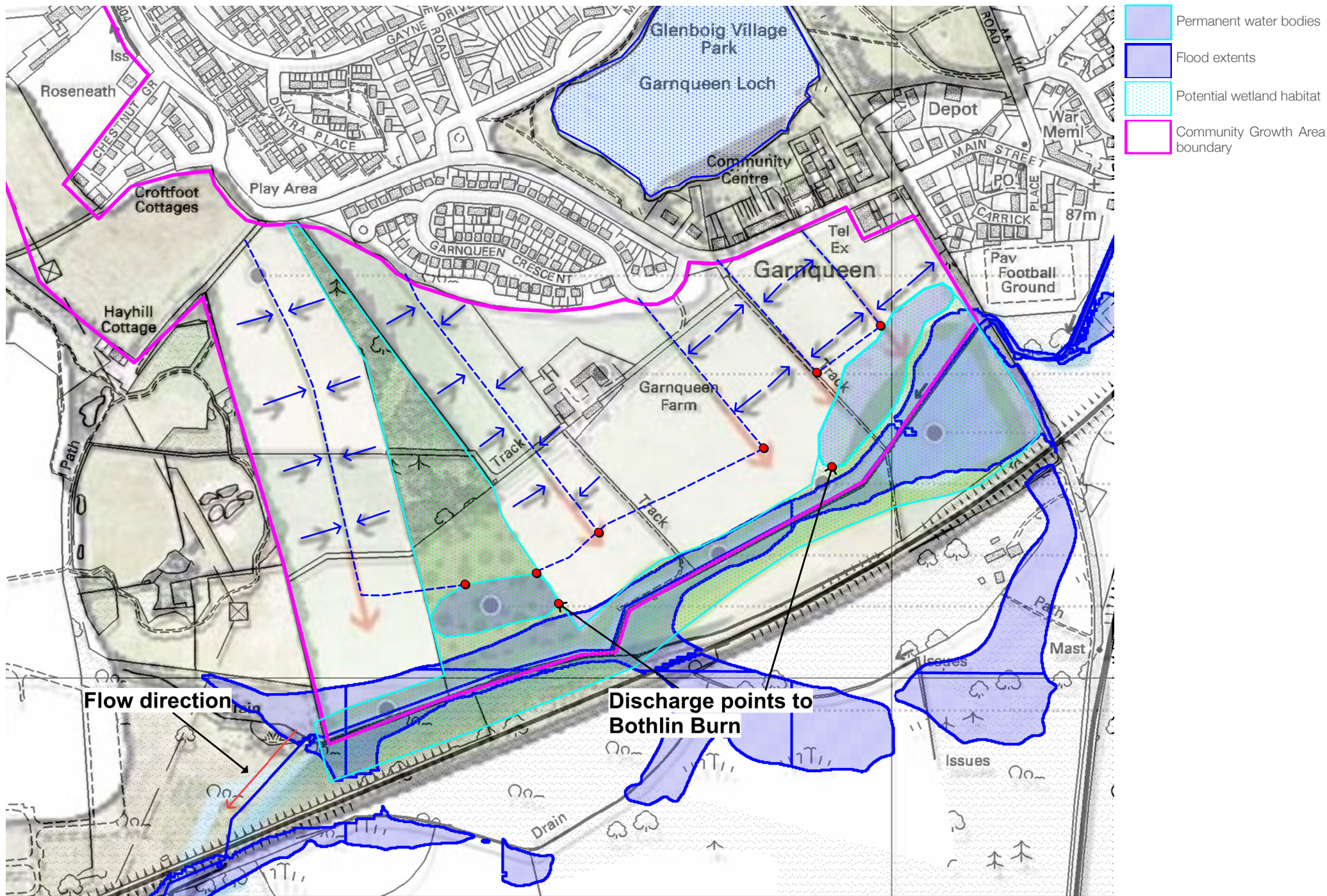


- Community Growth Area
- Private Development Area
- Business Development



Development Areas





Example of surface water management strategy



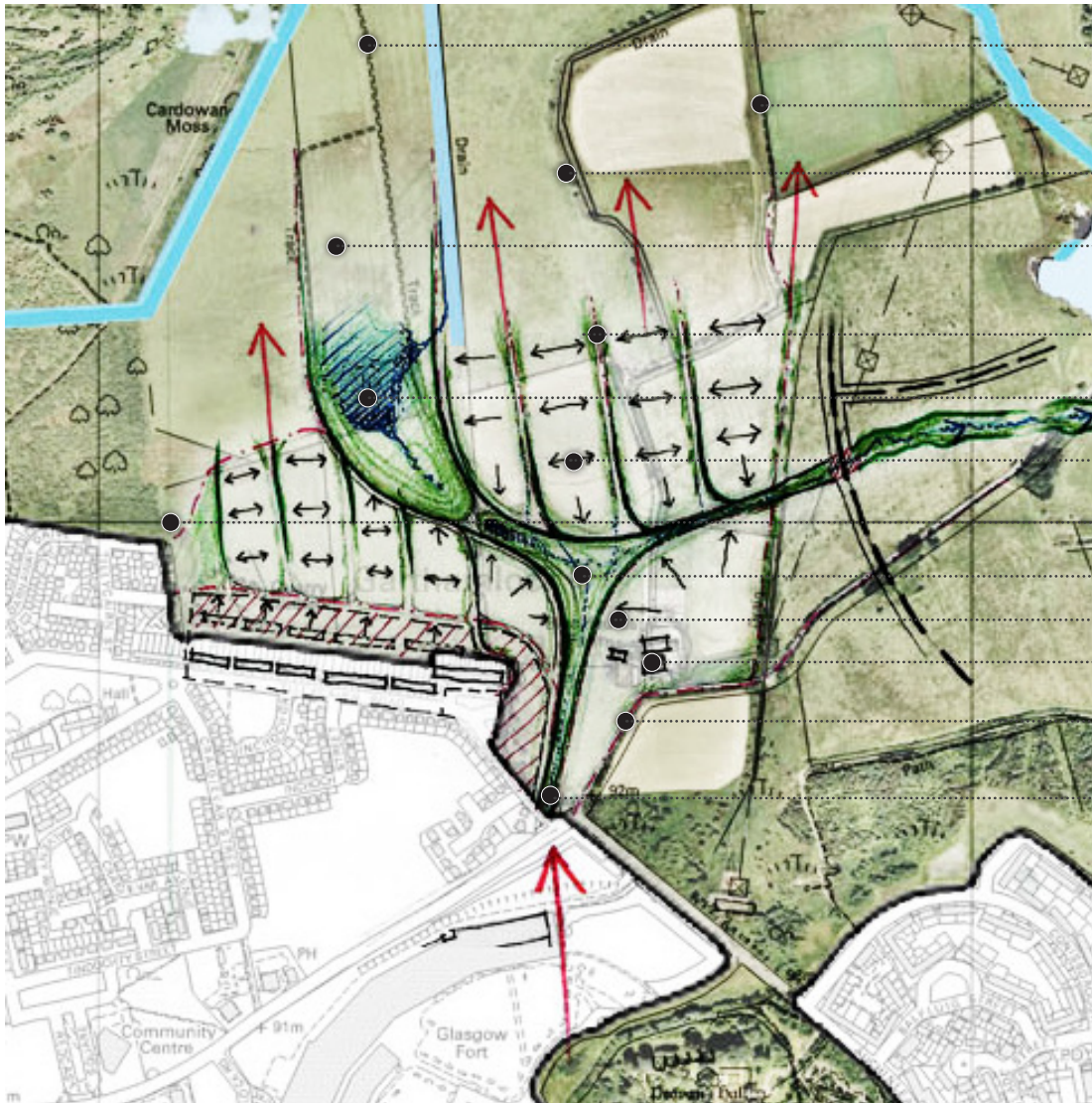
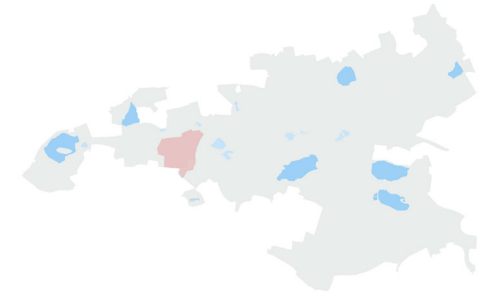
planted swale, Upton, Northampton



enhanced land drain, Worcestershire



Wild flower meadow, St. Helens



Garthamlock CGA

-tertiary route network connecting CGA with principal route
-hedgerows replanted to enhance habitat network
-land drains broadened for enhanced habitat network and flood prevention
-community leisure green space / playing field
-green fingers: planted swales and pedestrian access lining street layout
-swale route culminating in retention pond and community wet meadow
-quality housing with private garden space
-native woodland planting of Garthamlock quarry for extended habitat network
-focal point: community green space
-front facing housing onto community green space
-Blackfaulds farm house retained
-Gartloch Road realignment- redundant section becomes cycle route
-planted swale network forming 'green street' layout and conveyance routes:
integrates habitat and sustainable urban drainage networks while providing
new pedestrian access routes



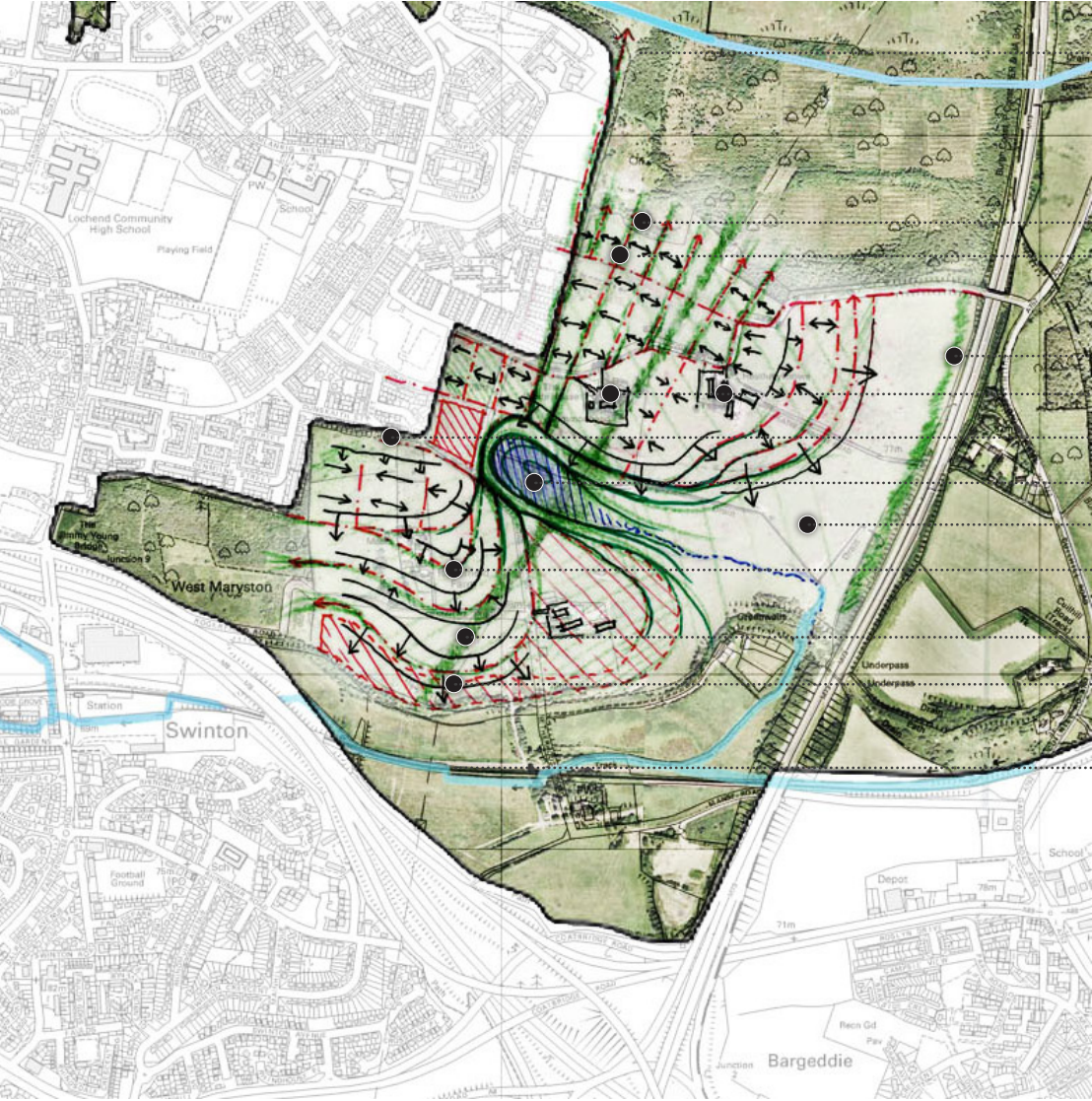
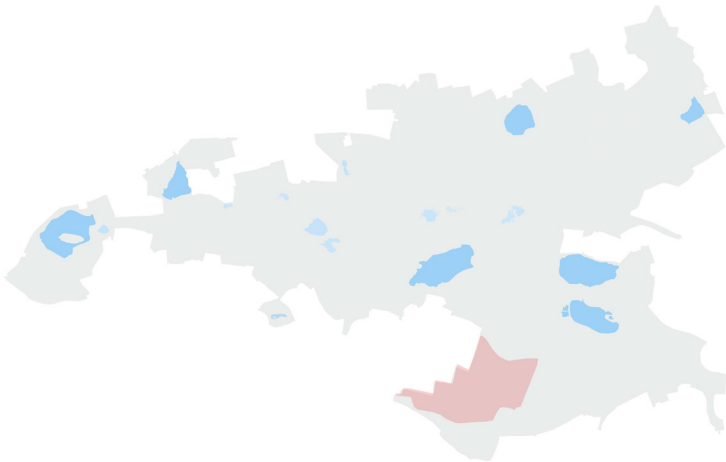
Fig. 7.14 community green space, Sheffield



Fig. 7.15 swale 'green street', Malmö, Sweden



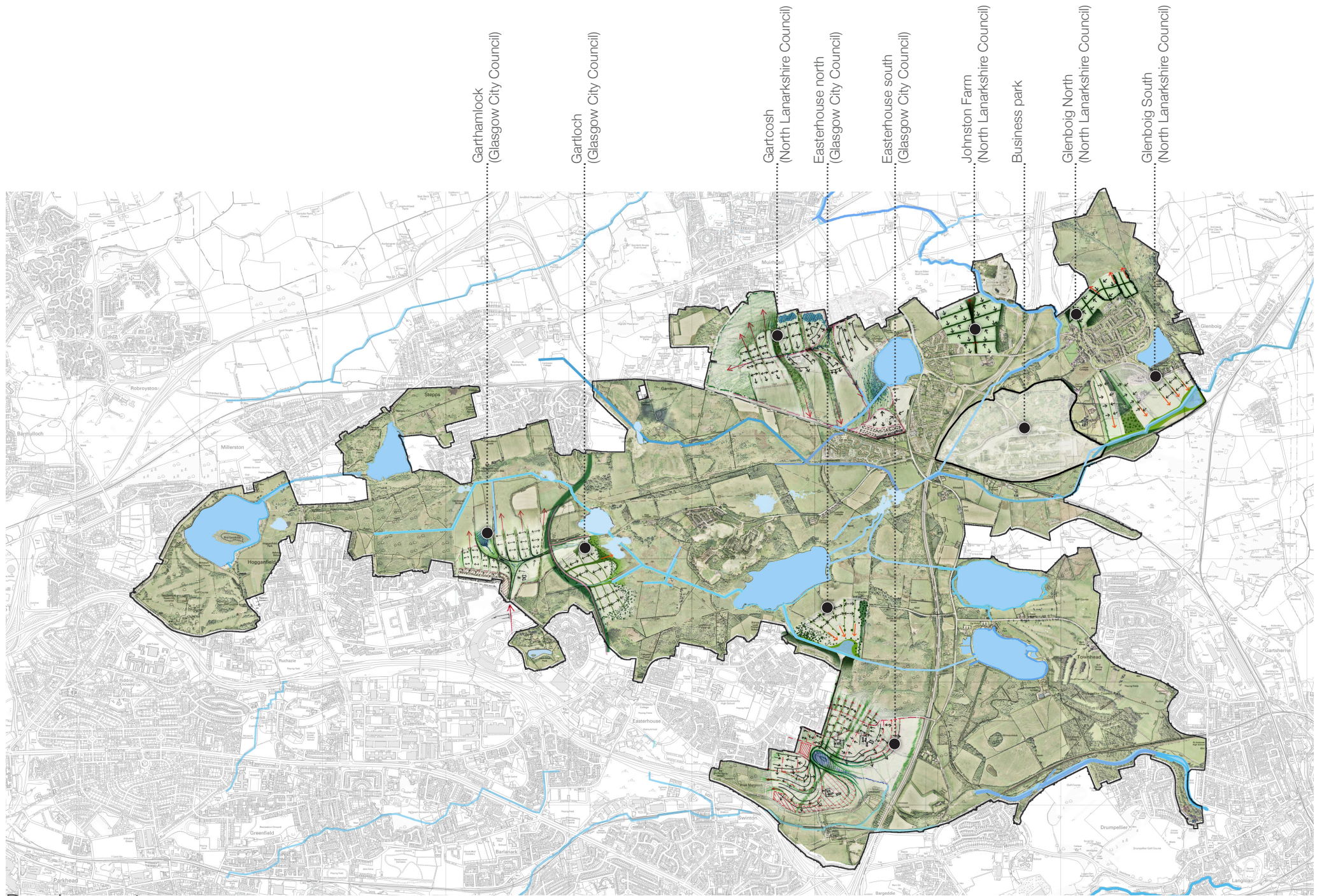
Fig. 7.16 allotments, Berwick-Upon-Tweed



Easterhouse (south) CGA

-quality housing with private garden space
-planted swale network, forming 'green street' layout and conveyance routes:
integrates habitat and sustainable urban drainage networks
whilst providing new pedestrian access routes
-soft landscaping / planting to provide a green buffer to motorway
-Commonhead and Heatheryknowe farm developed into community feature blocks
-existing infrastructure and connections for site access
-swale network culminating in soft landscaped retention pond below flood plain
-community green space: wet meadow below flood plain
-site layout stepped and plateaued for housing to follow topography
-pylon network- planted to provide green corridor: new habitat / pedestrian route
-allotments gardens
-water feature to form edge of allotment along route of monklands canal

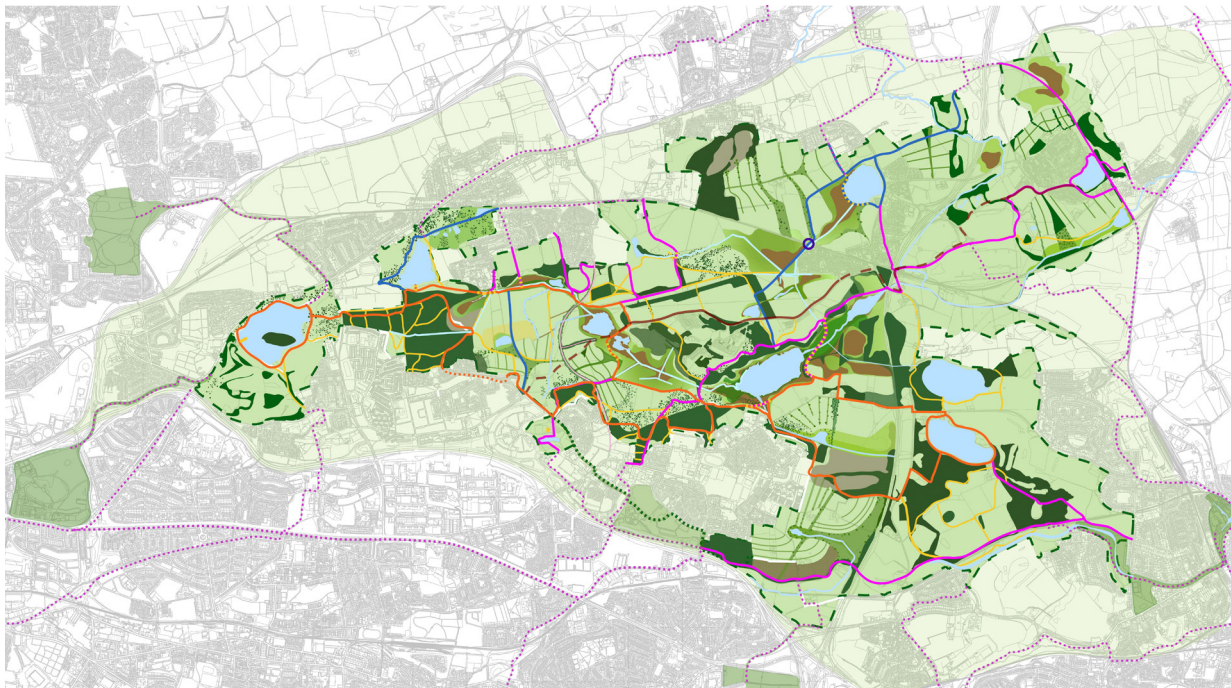
water feature to form edge of allotment along route of monklands canal

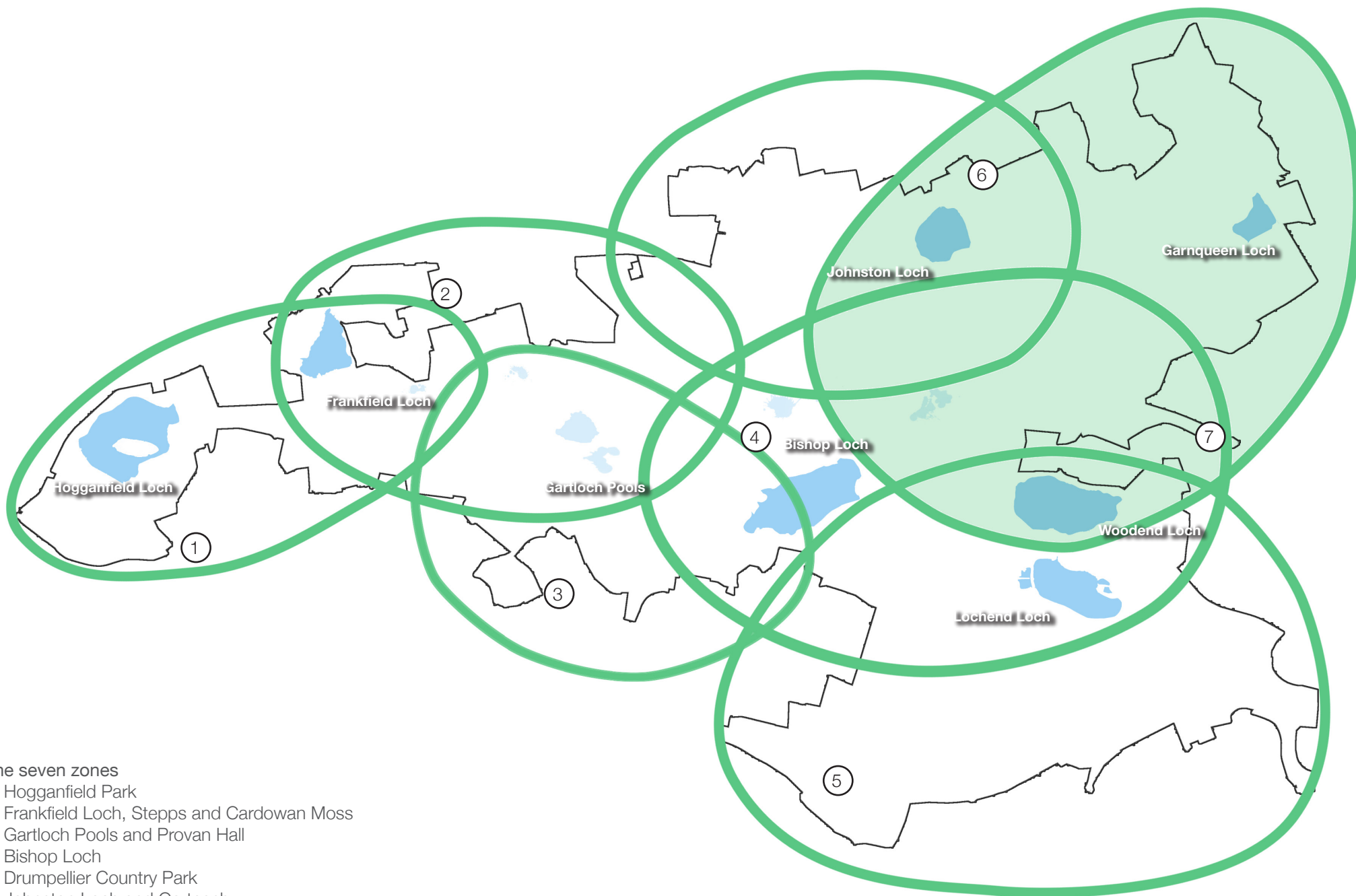


Development areas

The Seven Lochs Wetland Park

Detailed proposals





The seven zones

1. Hogganfield Park
2. Frankfield Loch, Stepps and Cardowan Moss
3. Gartloch Pools and Provan Hall
4. Bishop Loch
5. Drumpellier Country Park
6. Johnston Loch and Gartcosh
7. Glenboig and Garnqueen Loch

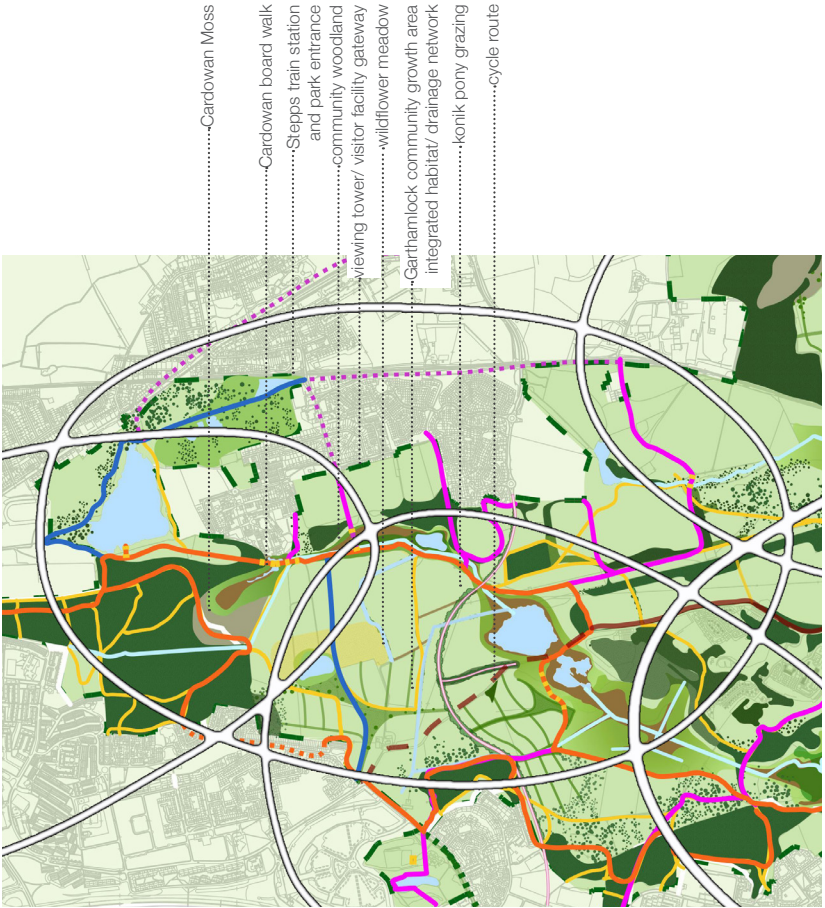
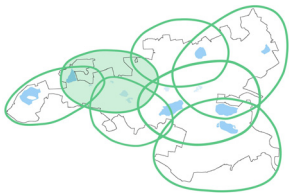
Zone strategy



Zone locations

Frankfield Loch, Stepps and Cardowan Moss

- Zone 2

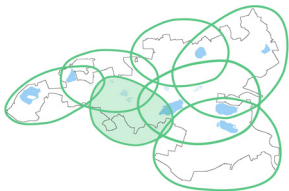


Zone 2



Gartloch Pools and Provan Hall

- Zone 3

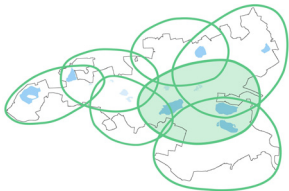


Zone 3

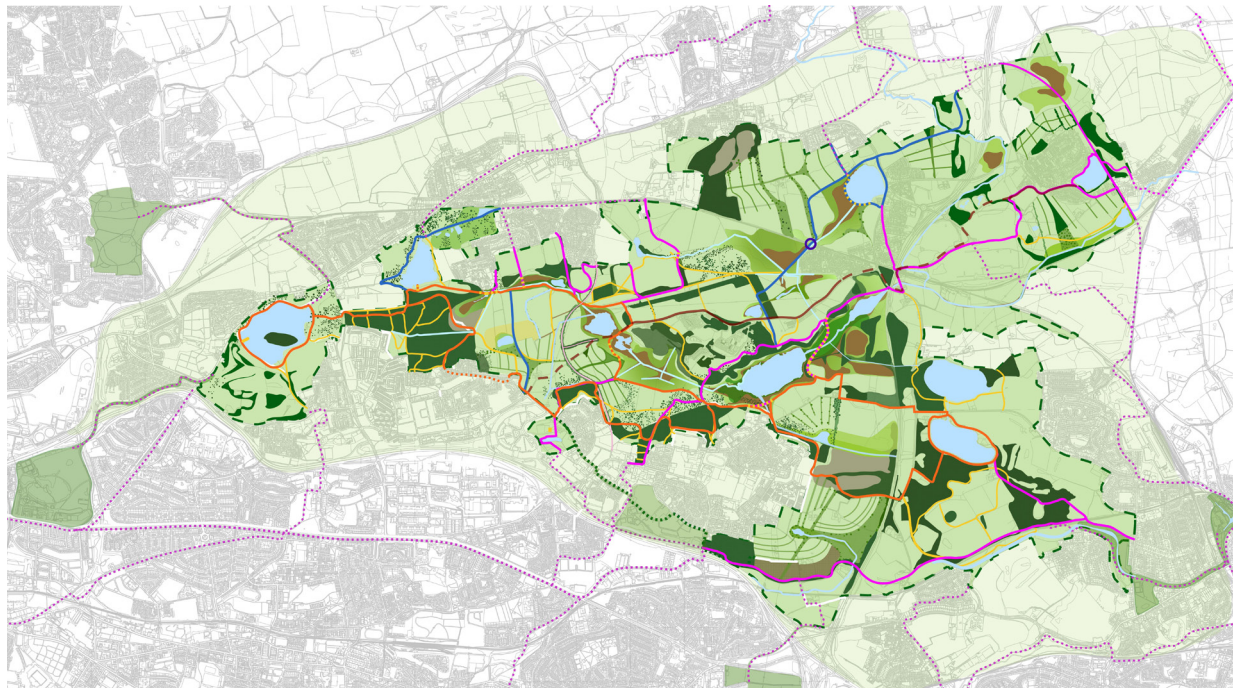


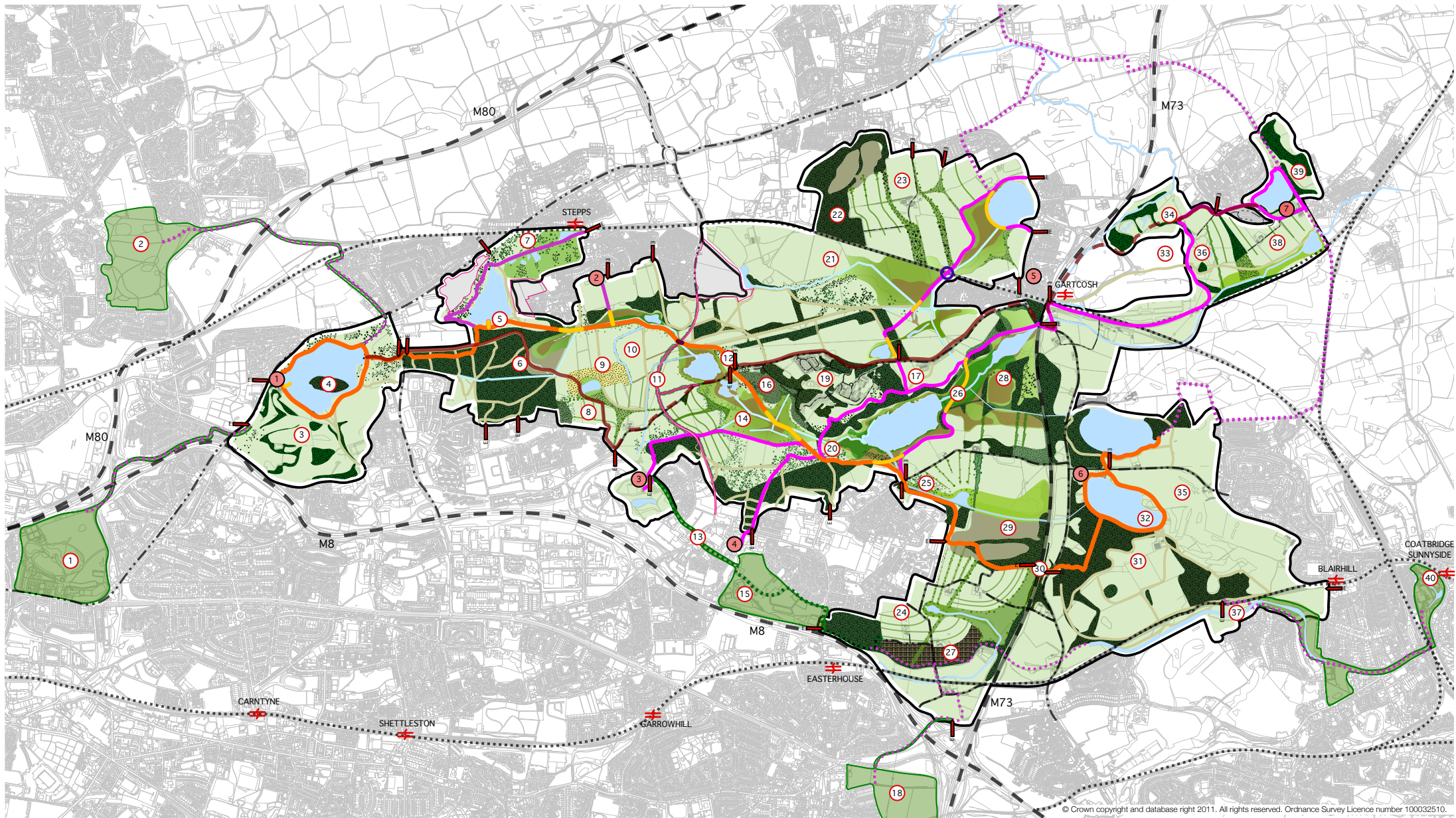
Bishop Loch

- Zone 4



The Seven Lochs Wetland Park masterplan

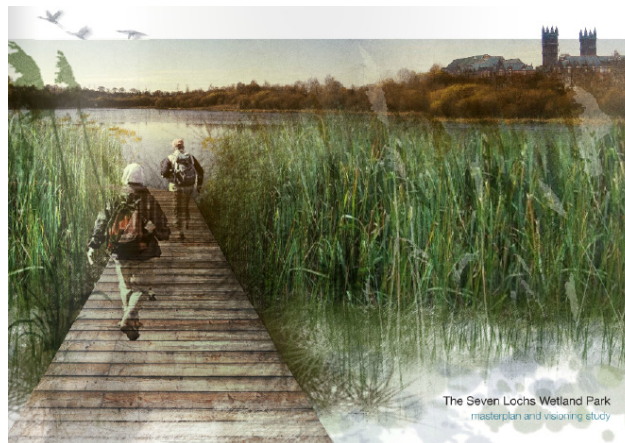




<p>KEY</p> <ul style="list-style-type: none"> Loch/ waterway/ waterbody Native grassland Dense woodland Wetland Moss Reedbed Wild flower meadow Green finger- extended route Community allotment Private development Sparse Woodland Hedgerow Entry point Railway under-pass Site boundary Main core route: pedestrian and cycle Secondary route: pedestrian and cycle Tertiary route- pedestrian and equestrian Boardwalk Cycle route adjacent to road Cycle route within road Extended park route network Motorway Railway A and B road Train station 	<ul style="list-style-type: none"> 1 Hogganfield visitor gateway and pontoon 2 Stepps viewing tower and visitor gateway 3 Provan Hall visitor gateway 4 The Bridge visitor gateway 5 Gartcosh visitor gateway 6 Drumpellier visitor gateway 7 Glenboig visitor gateway 	<ul style="list-style-type: none"> 1 Alexandra Park - green finger 2 Robroyston wetland - green finger 3 Lethamhill golf course 4 Hogganfield Loch bird sanctuary 5 Frankfield Loch viewing platform 6 Cardowan Moss 7 Frankfield Loch Local Nature Reserve 8 Garthamlock community growth area 	<ul style="list-style-type: none"> 9 Wild flower meadow 10 Konik pony grazing 11 Easterhouse Regeneration Road 12 Gartloch bird hide and viewing tower 13 Easterhouse green route 14 Gartloch Pools Local Nature Reserve 15 Blairtummuck house & market garden 16 Community woodland 	<ul style="list-style-type: none"> 17 Bishop Loch picnic stop 18 Baillieston - green finger 19 Gartloch Hospital 20 Bishop Bothy 21 Proposed North Lanarkshire biomass fields 22 Heathfield Moss 23 Gartcosh and Glenboig community growth area - Gartcosh 24 Easterhouse (south) community growth area 	<ul style="list-style-type: none"> 25 Easterhouse (north) community growth area 26 Reedbed board walk 27 Community allotments 28 Bothlin wetland reserve 29 Commonhead Moss 30 Green bridge 31 Drumpellier Country Park 32 Crannog cafe 	<ul style="list-style-type: none"> 33 Gartcosh Business Interchange 34 Gartcosh Local Nature Reserve: pondscape for Great Crested Newt 35 Drumpellier golf course 36 Gartcosh dipping pond 37 Monkland Canal 38 Gartcosh and Glenboig community growth area - Glenboig 39 Glenboig village park 40 Summerlee Heritage Park 	<p>THE SEVEN LOCHS WETLAND PARK</p> <p>MASTERPLAN PROPOSAL</p> <p>DRAFT COPY</p> <p>0m 100m 200m</p> <p>COLLECTIVE ARCHITECTURE</p>
--	---	---	--	---	---	--	--

The Seven Lochs Wetland Park masterplan and visioning study

<http://www.gcvgreennetwork.gov.uk/publications/seven-lochs-wetland-park-draft-vision-and-masterplan.html>



COLLECTIVE ARCHITECTURE