



# Sunderland Green Infrastructure

## Delivery and Action Plan



**For Sunderland City Council**

**March 2019**

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## 1.0 Introduction

### 1.1 Background

Sunderland City Council (SCC) commissioned WYG Environment Planning Transport Ltd (WYG) in October 2017, to prepare a Draft Sunderland Green Infrastructure Strategy (SGIS) to inform and support the emerging Sunderland Core Strategy and Development Plan 2015-2033 (CSDP). The final SGIS will be published as part of the evidence base for the CSDP and will be used as planning guidance to inform planners, developers, stakeholders, individuals and organisations regarding the priorities for protection and enhancement of Green Infrastructure (GI) across the city.

The North-East Green Infrastructure Planning Guide (Davies et al; 2015)<sup>1</sup> states that, 'translating Green Infrastructure Plans into delivery is a crucial activity to be addressed as an integrated part of the GI planning process'. Therefore, this Delivery and Action Plan is required to set out a road map of prescriptive measures, projects and priorities for action to promote the SGIS and take it forwards to delivery.

### 1.2 Sunderland GI Vision – Priorities for Delivery

The SGIS identified a framework of principles and strategies for the future provision of GI across the city, as listed below:

- Protect, Enhance and Repair the Strategic GI Corridors
  - Ensure that the Integrity of the Network is Safeguarded and Enhanced
  - Unblock Existing Barriers to Repair Connectivity
- Address GI deficit in Areas of Greatest Social, Economic and Environmental Need
  - Prioritising GI Investments – Applying the Evidence Base
  - Maximising Multifunctionality and Greatest Returns
  - Application to Funding/Resource Opportunities
- Future Proofing / Ensuring New Growth is Sustainable
- Identify Key Stakeholders and Promote Partnership Working
  - Establish a Sunderland GI Stakeholder Network
  - Cross-boundary Working
- Identify Delivery Mechanisms and Secure Funding Streams
  - Planning Applications, Growth and Development
  - Grants
  - A Triage Approach
- Increase Awareness of Sunderland's GI Value and Benefits
  - Actively Marketing Sunderland's GI assets
  - Educating and Advocating GI

### 1.3 Objectives

This Delivery and Action Plan aims to aid the realisation of the priorities of the SGIS, as listed in Section 1.2 above. It translates the SGIS Vision into a series of projects for delivery and action over the next 15 years, from 2018 to 2033, setting the context for GI delivery in terms of themes and

<sup>1</sup> [http://www.greeninfrastructurenw.co.uk/resources/North\\_East\\_Green\\_Infrastructure\\_Planning\\_Guide.pdf](http://www.greeninfrastructurenw.co.uk/resources/North_East_Green_Infrastructure_Planning_Guide.pdf)



locations across Sunderland.

The projects listed within the Delivery and Action Plan highlight areas of opportunity and priority which are also relevant to local and national policy aims and aspirations for regeneration across the city, such as improving health, access, quality of life, biodiversity, responding to climate change, etc.

For each project, lead partners and delivery mechanisms (e.g. planning obligations /community levies, biodiversity offsetting credits, Nature Improvement Area awards, etc.) are identified. Realistic yet aspirational timescales are set and quantifiable measures of success are provided, against which the success of each project can be reviewed.



## 2.0 Information Used

This Delivery and Action Plan has been prepared based on a review of the following information:

### 2.1 SGIS Outcomes and Priorities / Policy Aims

The SGIS built upon the findings of the Sunderland Greenspace Audit and Report and utilised a range of wider socio-economic and environmental indicators, relevant to the National Planning Policy Framework (2012)<sup>1</sup> (NPPF) objectives, in order to map area-based needs for the public benefits that GI brings. The evidence base was then combined in order to highlight where there is the greatest potential for economic, social, environmental and multi-functional outcomes from GI interventions. The resulting maps provide an overview of where enhancements to promote GI could deliver the greatest benefits for wildlife and people, which have then been used to prioritise projects under each of the Priorities for Delivery listed in Section 1.2 above.

Projects have also been reviewed against local / national policy aims to identify any gaps in the GI aspirations for regeneration for the City, improving health, access, quality of life, biodiversity, responding to climate change, etc.

### 2.2 Delivery Plan Examples and Good Practice

The following were reviewed to inform the approach and projects referred to in this Delivery and Action Plan.

In the main the documents refer to previous studies:

- Newcastle/Gateshead Green Infrastructure Strategic Interventions. Newcastle City Council and Gateshead Council, (2011);
- North-East Green Infrastructure Planning Guide (Sections 15 & 16). C. Davies; R. Macfarlane C. McGloin, and M. Roe; (2015);
- Annual Delivery Plan 2006-07, Implementing the Regional Forestry Strategy for the North East of England (2006) Government Office for the North East and the Forestry Commission;
- Green Gateshead, Gateshead Green Infrastructure Delivery Plan (2013-2030). Gateshead Council (2013);
- Hinkley and Bosworth Green Space Delivery Plan (2013-2018), Appendices. Hinkley and Bosworth Borough Council (2013-2018);
- Stockton-on-Tees Green Infrastructure Delivery Plan (2018-2021), Stockton-on-Tees Borough Council, (2018);
- Scott, A., Holzinger, O., Sadler, J., (2017) Making Plans for Green Infrastructure in England; Review of National Planning and Environmental Policies and Project Partners' Plans. Northumbria University and University of Birmingham;
- Green Infrastructure and the Health and Wellbeing influences on an ageing population (<https://ghia.org.uk/>); and
- Improving Wellbeing through urban Nature (<http://iwun.uk/>)

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<sup>1</sup> Updated versions published since this time



The North East Green Infrastructure Planning Guide (Davies et al; 2015) recommends the North East Regional Forestry Strategy as a potential template document, but acknowledges there are many models available and the right delivery plan for any given area is likely to be a bespoke document. As with this strategy, other localised delivery plans focus on actions to progress local GI priorities as identified within underpinning GI strategies. Location, scale, funding, status, timescales, delivery mechanisms and partnership working are all considerations referenced in the selection of projects. These have been considered in the assigning and monitoring of projects here and tabulated to enable consideration of these in relation to each project at the outset and importantly, going forward. A live, working-version of the table has also been produced, to enable projects to be monitored and added to. The Review of National Planning and Environmental Polices and Project Partners' Plans conducted by Scott et al; (2017), further highlights common problems encountered in the realisation of GI delivery. These have been considered in the production of this plan but should be considered by the GI steering group / Local authority, throughout its implementation.

### 2.3 Consultation Responses to the SGIS

Consultation responses on the SGIS from those within Sunderland City Council and selected organisations outside the council were reviewed, given that many of the issues raised by consultees responding to work on the SGIS were considered most relevant to the Delivery and Action Plan stage.

### 2.4 Liaison with Sunderland City Council Officers

Discussions were held with officers during the creation of the GI Strategy Framework and further engagement will take place once stakeholder groups are established. Stakeholder meetings will focus on:

- Identifying key potential delivery locations including existing and target projects / developments and policy intentions, e.g.
  - Land reclamation and restoration schemes;
  - Large scale development/growth proposals (e.g. the International Advanced Manufacturing Plant, South Sunderland Growth Area);
  - Local Enterprise Partnership/Strategic Economic Plan – strategic sites;
  - Agricultural land within Environmental Stewardship opportunities within strategic corridors/sites;
- Identifying stakeholders and partnership opportunities – organisations, individuals and groups with the ability to affect change and deliver GI; and
- Producing a list of recommended projects/actions to deliver the objectives of the SGIS – highlighting opportunity areas, easy wins and priorities.



## 3.0 First Steps

### 3.1 Establish Sunderland GI Stakeholder Network

The North-east Green Infrastructure Planning Guide suggests that landscape scale partnerships represent the best delivery mechanisms for GI at a strategic geographic level, whilst the SGIS highlights establishing a stakeholder network as being important to realise the 'Identify Key Stakeholders and Promote Partnership Working' vision.

A database of stakeholders and organisations, funders and alike should be generated and regularly updated to comprehensively identify and document who, what and where in terms of those with a vested interest to effect the SGIS delivery across the city. This may include public bodies, NGOs, landowners, trusts, social enterprises, associations, charities, local interest/volunteer/friends of groups and adjacent authorities. These may then be analysed and ranked/categorised to help assess priorities for engagement and partnership working.

Stakeholder information should be reviewed alongside the geographical and thematic projects listed in Section 5.0. This should aim to identify critical landowners, land managers, finance streams and lobbyists with the potential to effect change in geographical and thematic areas. For example, heritage lottery funding, landowners within GI district corridor barriers, organisations with a remit to improve health and sports uptake for youth groups or the elderly. Lists of potential stakeholders and funding sources and will be refined following liaison with Council Officers.

### 3.2 Establish North-east Regional GI Group

In addition to the Sunderland GI Stakeholder Network, a North-east Regional GI Group should be established between the North-east Local Authorities to encourage cross-boundary working, enable greater data sharing, map regional GI corridors, identify opportunities and pool resources/funding and experience.

### 3.3 Appoint GI Delivery Offer / Advocate

The Council should give consideration to the appointment of a GI Delivery Officer to oversee the delivery of GI. This position could be specific for Sunderland or potentially shared across neighbour authorities, thereby assisting with wider partnership working.

### 3.4 Roles and Project Setup Process

Sunderland City Council will be ultimately responsible for ensuring the implementation of this Delivery and Action Plan as part of the CSDP.

Communication channels should be opened up between appropriate stakeholders both within and between the Sunderland GI Stakeholder Network and The North-east Regional GI Group. Workshops may be particularly useful to establish to facilitate communication and to better understand current issues, opportunities and perceived impediments to delivery of GI projects.

As well as identifying potential physical projects and areas for intervention, this may further help to identify where collaborative working offers new opportunities and mechanisms to effect change. Lessons learnt, case studies and feedback could be utilised to assist in project realisation.





As a result of such engagement, suitable partners / delivery mechanisms will be confirmed on a project-by-project basis. Ideally, a 'Lead Partner' (or small number of partners where this isn't possible) will be listed for each project within the Delivery and Action Plan. Lead Partners, along with other potential partner and delivery mechanisms, have been suggested within this iteration of the Delivery and Action Plan wherever possible. However, the delivery mechanisms and partnership opportunities should be regularly reviewed both for existing projects and to identify potential new projects which could best realise the Sunderland GI Vision.

The Lead Partner for each project will be responsible for liaising with other partners essential for delivery of the project and will be responsible for reporting to Sunderland City Council's GI Delivery Officer/Advocate on the project progress.



### 4.0 Review and Update

The Delivery and Action Plan will be reviewed and updated on an annual basis. The review and update will include:

- An assessment of the progress of each individual project, based on predicted measures of success;
- A review (and update where necessary) of the Lead Partner, Timescale, Delivery Mechanisms and Measures of Success specified for each individual project;
- A review of the list of projects to be included within the Delivery and Action Plan;
- Marking projects as complete where they are deemed to have been successfully completed based on specified measures of success;
- Marking projects as being on hold or removing projects due to changes in priorities e.g. due to changes in policy, updated findings of the SGIS, projects being no longer feasible, identified delivery mechanisms being no longer available etc.;
- Adding new projects due to changes in priorities (due to reasons listed above), or new opportunities identified during consultation processes or as a result of Sunderland GI Stakeholder Network/North-east Regional GI Group discussions or actions.



## 5.0 Projects and Delivery

The Table below outlines the projects identified as opportunities to progress the 'Priorities for Delivery' highlighted within the SGIS. Whilst some of the projects are thematic or process related, the vast majority refer to the physical delivery of GI enhancements on the ground. Where appropriate, these projects are shown on the Maps included at Figure 1 at the end of this report. They have been drawn from local evidence documents and include both city-wide and area-specific schemes with outcomes focussed on GI priority areas, as identified in the SGIS. These projects present real opportunities to deliver positive outcomes for the future of Sunderland's people and places.

The current political context is one of increasing environmental awareness with central themes to which GI can contribute (e.g. flooding, health, biodiversity and climate change) increasingly recognised in both public and planning arenas. Highlighting these GI opportunities within documents, however, by no means guarantees their realisation and common hurdles to delivery have been identified across many local authority areas (Scott et al; 2017). The progress of these schemes will depend on a number of factors, not least of which being the prominence of GI in the minds of decision-makers and the availability of resources within the city and the sub-region. The championing of GI at senior levels will therefore be required to realise GI benefits. Once stakeholder networks are established, it will also be important for groups to prioritise projects according to resources and priorities. Monitoring progress and relaying successes in a measurable 'Natural Capital' way against wider sustainability objectives, will also be important in reinforcing and establish positive feedback cycles.

This GI Delivery and Action Plan is therefore intended to be a live document and it is the intention that an annual update will be provided to demonstrate scheme progress and achievements. The document is also accompanied by a live spreadsheet to enable quick reference, updates, monitoring and review.



| Area      | Project Description   | Primary GI Strategy Outcome                              | Secondary GI Strategy Outcome (if applicable)             | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status              | Delivery / Funding      |
|-----------|---|--|---|---------------|-------------|-----------|--------------------------|--------------------------|---------------------|-------------------------|
| City-Wide | Development or selection of an appropriate 'Green Infrastructure Offsetting Matrix' | Identify Delivery Mechanisms and Secure Funding Streams  | Future Proofing / Ensuring New Growth is Sustainable      | Small         | Medium-term | £         | Defra                    | TBC                      | Ongoing - by others | Sunderland City Council |
| City-Wide | Apply for Grants<br>Generate funds for GI investment by applying for grants.        | Increase Awareness of Sunderland's GI Value and Benefits | Identify Key Stakeholders and Promote Partnership Working | Small         | Medium-term | £         | Sunderland City Council  | Various                  | TBC                 | Various                 |



| Area      | Project Description   | Primary GI Strategy Outcome                              | Secondary GI Strategy Outcome (if applicable)                                   | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|-----------|---|--|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| City-Wide | Healthy eating initiatives - linking allotment heritage and local schools | Increase Awareness of Sunderland's GI Value and Benefits | Identify Key Stakeholders and Promote Partnership Working                       | Small         | Medium-term | £         | Sunderland City Council  | Primary Care Trust       | TBC    | Various            |
| City-Wide | Improve access to natural greenspace and woodland in key areas            | Increase Awareness of Sunderland's GI Value and Benefits | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | Active | Various            |
| City-Wide | Protection and enhancement of landscape character within GI Corridors     | Protect, Enhance and Repair the Strategic GI Corridors   |   | Large         | Long-term   | £         | Sunderland City Council  | Local Landowner(s)       | TBC    | Development led    |



| Area      | Project Description   | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)            | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|-----------|---|---|--|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| City-Wide | Enhancing Access to GI to Young/Old/Groups with Poor Health   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Increase Awareness of Sunderland's GI Value and Benefits | Medium        | Medium-term | £         | Sunderland City Council  | Primary Care Trust       | TBC    | Various            |
| City-Wide | Within the neighbourhoods, create filter strips and natural swales, permeable paving, wetlands and woodlands wherever feasible to help cope with flash floods | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable     | Medium        | Long-term   | ££        | Sunderland Partnership   | Environment Agency       | TBC    | TBC                |



| Area       | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)             | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status              | Delivery / Funding      |
|------------|--|---|---|---------------|-------------|-----------|--------------------------|--------------------------|---------------------|-------------------------|
| City-Wide  | Education / Advocating of GI<br>To promote a sense of place and raise awareness of available local GI / benefits of GI | Increase Awareness of Sunderland's GI Value and Benefits                        | Identify Key Stakeholders and Promote Partnership Working | Medium        | Medium-term | £         | Sunderland City Council  | Various                  | Active              | TBC                     |
| City-Wide  | Publicise Sunderland GI.   | Increase Awareness of Sunderland's GI Value and Benefits                        | Identify Key Stakeholders and Promote Partnership Working | Medium        | Medium-term | £         | Sunderland City Council  | TBC                      | Active              | Sunderland City Council |
| Washington | Improving shelter belts throughout Washington (especially in northwest)  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable      | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | Ongoing - by others | Development led         |



| Area       | Project Description   | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)            | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners               | Status | Delivery / Funding |
|------------|---|---|--|---------------|-------------|-----------|--------------------------|--|--------|--------------------|
| Washington | Quality GI at The Galleries and at Concord                                | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Small         | Short-term  | £         | Local Landowner(s)       | Sunderland City Council                | TBC    | Various            |
| Washington | Improved water quality at Biddick Burn in Princess Anne Park              | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable     | Medium        | Medium-term | ££        | Sunderland City Council  | Environment Agency / Wear Rivers Trust | TBC    | TBC                |
| Washington | Surface water scheme associated with River Don (and new housing in North) | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable     | Medium        | Medium-term | ££        | Environment Agency       | Sunderland City Council                | TBC    | Development led    |
| Washington | Formalise and improve (off-road) cycleways across New Town                | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Increase Awareness of Sunderland's GI Value and Benefits | Medium        | Medium-term | ££        | Sunderland City Council  |  | Active | Development led    |





| Area       | Project Description   | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)            | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners            | Status | Delivery / Funding                           |
|------------|---|---|--|---------------|-------------|-----------|--------------------------|-------------------------------------|--------|--|
| Washington | Improve biodiversity at key greenspaces to create stepping stones         | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable     | Medium        | Medium-term | ££        | Sunderland City Council  | Various                             | TBC    | Development led                              |
| Washington | Create entrance gateways at A195 north and southwest and at A19 and A1231 | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Medium        | Medium-term | ££        | Sunderland City Council  | Highways England                    | TBC    | Development led                              |
| Washington | Upgrade Albany Park to serve north area of New Town                       | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Small         | Short-term  | £         | Sunderland City Council  | Various                             | TBC    | Development led                              |
| Washington | Develop GI at Northern Area Sports Hub                                    | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Increase Awareness of Sunderland's GI Value and Benefits | Small         | Short-term  | £         | Sunderland City Council  | Football Foundation / Sport England | Active | Government funding / Sunderland City Council |



| Area       | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable) | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|------------|--|---|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| Washington | Repair broken corridors: North-west to south-east; South-west to North-east; Strategic corridor east of Washington | Protect, Enhance and Repair the Strategic GI Corridors                          |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Development led    |
| Washington | Target GI in priority areas: Glebe, Oxclose, Barmston, Concord, Hertburn, Sulgrave                                 | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Small         | Medium-term | £         | Sunderland City Council  | Local Landowner(s)       | TBC    | Various            |
| Coalfield  | Repair broken corridors: Herrington Burn; Philadelphia Complex   | Protect, Enhance and Repair the Strategic GI Corridors                          |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Development led    |



| Area      | Project Description   | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable) | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|-----------|---|---|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| Coalfield | Target GI in priority areas: - Penshaw, Shiney Row/Herrington Burn, Fence Houses/Chilton Moor, Burnside, Racecourse Estate, Hetton Downs, East Rainton, Low Moorsy and Easington Lane | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Small         | Medium-term | £         | Sunderland City Council  | Local Landowner(s)       | TBC    | Various            |
| Coalfield | Improving GI at local centres (Houghton, Hetton, Fence Houses, Shiney Row, Easington Lane and local shopping parades  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Various            |



| Area      | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)        | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners               | Status | Delivery / Funding |
|-----------|--|---|--|---------------|-------------|-----------|--------------------------|--|--------|--------------------|
| Coalfield | Improving GI at key city gateways on A183, A690 and A182   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Medium        | Medium-term | ££        | Sunderland City Council  | Various                                | TBC    | Development led    |
| Coalfield | Address fluvial (and multi-functional GI) issues within the Lumley Park Burn Study Area, which incorporates flood risk areas along the Moors Burn, Rainton Burn and Herrington Burn, and also the full catchment area that includes Hetton Burn, Moorsley Letch, Rough Dene Burn, Houghton Burn and Red Burn | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable | Large         | Long-term   | £££       | Sunderland City Council  | Environment Agency / Wear Rivers Trust | TBC    | Various            |



| Area      | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)                                   | Project Scale | Timescale | Est. Cost | Potential Lead / Partner | Potential Other Partners      | Status | Delivery / Funding |
|-----------|--|---|---|---------------|-----------|-----------|--------------------------|-------------------------------|--------|--------------------|
| Coalfield | Develop a connected network of local walking/cycle routes linking neighbourhoods with town and local centres, primary and secondary schools, health facilities, employment and other local trip generators, as well as to Country Parks and Nature Reserves in area. | Increase Awareness of Sunderland's GI Value and Benefits                        | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Medium        | Long-term | ££        | Sunderland City Council  | Various                       | Active | Development led    |
| Coalfield | Improve the quality and variety of greenspaces in key areas identified in the Greenspace Audit, especially in priority areas   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Long-term | ££        | Sunderland City Council  | Gentoo and Local Landowner(s) | Active | Development led    |



| Area             | Project Description  | Primary GI Strategy Outcome                            | Secondary GI Strategy Outcome (if applicable)                                   | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|------------------|--|--|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| Coalfield        | Create key stepping stones in corridors, such as reed beds at stream sources to slow down flash flows. Maximise connectivity of wildlife corridors throughout area | Future Proofing / Ensuring New Growth is Sustainable   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Medium        | Long-term   | ££        | Sunderland City Council  | Various                  |        | Development led    |
| Sunderland North | Repair broken corridors: Hylton Dene to River Wear; Fulwell Quarries to Monkwearmouth; A19 corridor from River Wear to South Tyneside                              | Protect, Enhance and Repair the Strategic GI Corridors |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Development led    |



| Area             | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)           | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners            | Status | Delivery / Funding                           |
|------------------|--|---|---|---------------|-------------|-----------|--------------------------|-------------------------------------|--------|--|
| Sunderland North | Target GI in priority areas: - Town End Farm, Hylton Castle, Downhill, Castletown, Redhouse, Witherwack, Marley Potts, Southwick, Carley Hill, Monkwearmouth, North Hylton Riverside | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Small         | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)                  | TBC    | Various                                      |
| Sunderland North | Create Fulwell Quarries into a Country Park to serve the area.   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Identify Delivery Mechanisms and Secure Funding Streams | Large         | Long-term   | £££       | Sunderland City Council  | Various                             | TBC    | Development led                              |
| Sunderland North | Develop GI improvements to Downhill Sports Hub   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Identify Delivery Mechanisms and Secure Funding Streams | Large         | Medium-term | ££        | Sunderland City Council  | Football Foundation / Sport England | Active | Government funding / Sunderland City Council |



| Area             | Project Description   | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable) | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners  | Status | Delivery / Funding |
|------------------|---|---|---|---------------|-------------|-----------|--------------------------|---------------------------|--------|--------------------|
| Sunderland North | Create new cycle route from Nissan southwards to Doxford International and from City Centre to Fulwell/Seaburn  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Short-term  | ££        | Sunderland City Council  |                           | Active | Development led    |
| Sunderland North | Improve city entrance points on the A19, A183, A1018 and A184   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | £         | Sunderland City Council  | Highways England          | TBC    | Various            |
| Sunderland North | Improve the quality and variety of greenspaces in key areas identified in the Greenspace Audit, especially in priority areas such as Town End Farm and Redhouse | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | ££        | Sunderland City Council  | Gentoo & Local Landowners | Active | Development led    |





| Area             | Project Description   | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)        | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners               | Status | Delivery / Funding |
|------------------|---|---|--|---------------|-------------|-----------|--------------------------|--|--------|--------------------|
| Sunderland North | Improve GI at local centres and local shopping parades throughout the area                  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)                     | TBC    | Various            |
| Sunderland North | Increase woodland cover across the area   | Future Proofing / Ensuring New Growth is Sustainable                            |  | Large         | Long-term   | ££        | Sunderland City Council  | Local Landowner(s)                     | TBC    | Development led    |
| Sunderland North | Hylton Dene and Cut Throat Dene fluvial and environmental improvement                       | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable | Medium        | Medium-term | ££        | Sunderland City Council  | Environment Agency / Wear Rivers Trust | TBC    | Various            |
| Sunderland North | Create stepping Stones in key Corridors, such as Thompson Park & Hylton Grange Coliery Pond | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Medium        | Medium-term | £         | Sunderland City Council  | Various                                | TBC    | Development led    |



| Area            | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable) | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|-----------------|--|---|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| Sunderland West | Repair broken corridors: Silksworth-Grindon-Claxheugh; Foxhole   | Protect, Enhance and Repair the Strategic GI Corridors                          |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Development led    |
| Sunderland West | Target GI in priority areas: Pallion, Ford, Pennywell, Nookside, Grindon, Springwell, Thorney Close, Lakeside, Farringdon, Silksworth (east) | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Small         | Medium-term | £         | Sunderland City Council  | Local Landowner(s)       | TBC    | Various            |
| Sunderland West | Improve GI along riverside at Groves, Pallion Riverside and Pallion IE   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | ££        | Local Landowner(s)       | Sunderland City Council  | TBC    | Development led    |



| Area            | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable) | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|-----------------|--|---|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| Sunderland West | Improve GI along riverside at Groves, Pallion Riverside and Pallion IE   | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | ££        | Local Landowner(s)       | Sunderland City Council  | TBC    | Development led    |
| Sunderland West | Improve GI at local centres throughout the area  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Various            |
| Sunderland West | Create new linear routes along Barnes Park and from Pennywell to Pallion and City Centre, as well as north-south to link Doxford Int. Pennywell IE and | Protect, Enhance and Repair the Strategic GI Corridors                          |   | Large         | Medium-term | ££        | Sunderland City Council  |                          | Active | Development led    |



| Area            | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)          | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners    | Status | Delivery / Funding |
|-----------------|--|---|--|---------------|-------------|-----------|--------------------------|-----------------------------|--------|--------------------|
| Sunderland West | Improve key gateways at A19/A183, A19/A690, and south end of new bridge  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Protect, Enhance and Repair the Strategic GI Corridors | Medium        | Medium-term | ££        | Sunderland City Council  | Highways England            | TBC    | Various            |
| Sunderland West | Improve the quality and variety of greenspaces in key areas identified in the Greenspace Audit, especially in priority areas such as Ford, Pallion, Pennywell, Grindon and Thorney Close | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Medium        | Long-term   | ££        | Sunderland City Council  | Gentoo & Local Landowner(s) | Active | Development led    |



| Area            | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)                                   | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners               | Status | Delivery / Funding |
|-----------------|--|---|---|---------------|-------------|-----------|--------------------------|--|--------|--------------------|
| Sunderland West | Create/brand a Country Park that links Pennywell Children’s Forest to South Hylton Riverside and Claxheugh Riverside | Protect, Enhance and Repair the Strategic GI Corridors                          | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Large         | Medium-term | ££        | Sunderland City Council  |  | TBC    | Development led    |
| Sunderland West | Improve Barnes Park and Barnes Burn / Hendon Burn  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Future Proofing / Ensuring New Growth is Sustainable                            | Medium        | Medium-term | ££        | Sunderland City Council  | Environment Agency / Wear Rivers Trust | TBC    | Various            |
| Sunderland West | Improve biodiversity at key stepping stones within corridors such as King George V Park and Foxhole Wood             | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | £         | Sunderland City Council  | Various                                | TBC    | Development Led    |



| Area            | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable) | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|-----------------|--|---|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| Sunderland East | Repair broken corridors: Barnes-Hendon Burn-Port; Tunstall Hills-Ashbrooke; Eden Vale-River Wear; Coast via Port | Protect, Enhance and Repair the Strategic GI Corridors                          |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Development led    |
| Sunderland East | Target GI in priority areas: Millfield, City Centre, East End, Thornhill, Hendon                                 | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Small         | Medium-term | £         | Sunderland City Council  | Local Landowner(s)       | TBC    | Various            |
| Sunderland East | Improve GI at city centre and local centres throughout the area  | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | TBC    | Various            |



| Area            | Project Description  | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)            | Project Scale | Timescale     | Est. Cost | Potential Lead / Partner | Potential Other Partners               | Status | Delivery / Funding |
|-----------------|--|---|--|---------------|---------------|-----------|--------------------------|--|--------|--------------------|
| Sunderland East | Address fluvial (and multi-functional GI) issues within the Hendon Burn corridor | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |  | Large         | Medium - term | £££       | Sunderland City Council  | Environment Agency / Wear Rivers Trust | TBC    | TBC                |
| Sunderland East | Create a cycle route north-south from City Centre to Ryhope                      | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Increase Awareness of Sunderland's GI Value and Benefits | Medium        | Short-term    | ££        | Sunderland City Council  |  | Active | Development led    |
| Sunderland East | Improvements to GI in Conservation Areas and around specific listed buildings    | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Increase Awareness of Sunderland's GI Value and Benefits | Medium        | Medium-term   | ££        | Sunderland City Council  | Gentoo & Local Landowner(s)            | TBC    | Various            |



| Area            | Project Description   | Primary GI Strategy Outcome   | Secondary GI Strategy Outcome (if applicable)                                   | Project Scale | Timescale   | Est. Cost | Potential Lead / Partner | Potential Other Partners | Status | Delivery / Funding |
|-----------------|---|---|---|---------------|-------------|-----------|--------------------------|--------------------------|--------|--------------------|
| Sunderland East | Improve the quality and variety of greenspaces in key areas identified in the Greenspace Audit, especially in priority areas such as Millfield, Hendon, Grangetown and Ryhope | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need |   | Medium        | Medium-term | ££        | Sunderland City Council  | Local Landowner(s)       | Active | Development led    |
| Sunderland East | Create buffer zones to protected wildlife sites, and create key stepping stones within corridors such as at Tunstall Lodge, Hillview Playing Fields                           | Protect, Enhance and Repair the Strategic GI Corridors                          | Address GI deficit in Areas of Greatest Social, Economic and Environmental Need | Medium        | Medium-term | ££        | Sunderland City Council  | Various                  | TBC    | Various            |





## **FIGURES**

### **Figure 1: Delivery and Action Plan Maps by Area (North, East, West, Washington and Coalfield)**

Source: Sunderland City Council

# Sunderland North



## Key

- Repair/ improve GI corridors
- Entrance gateways
- GI target areas
- Downhill sports hub and GI enhancement
- Fulwell Quarries GI improvement areas
- GI improvements in local centres
- Hylton Dene and Cut Throat Dene fluvial improvement
- New cycle routes
- Areas of greenspace improvements
- Create wildlife stepping stones
- W Increase woodland



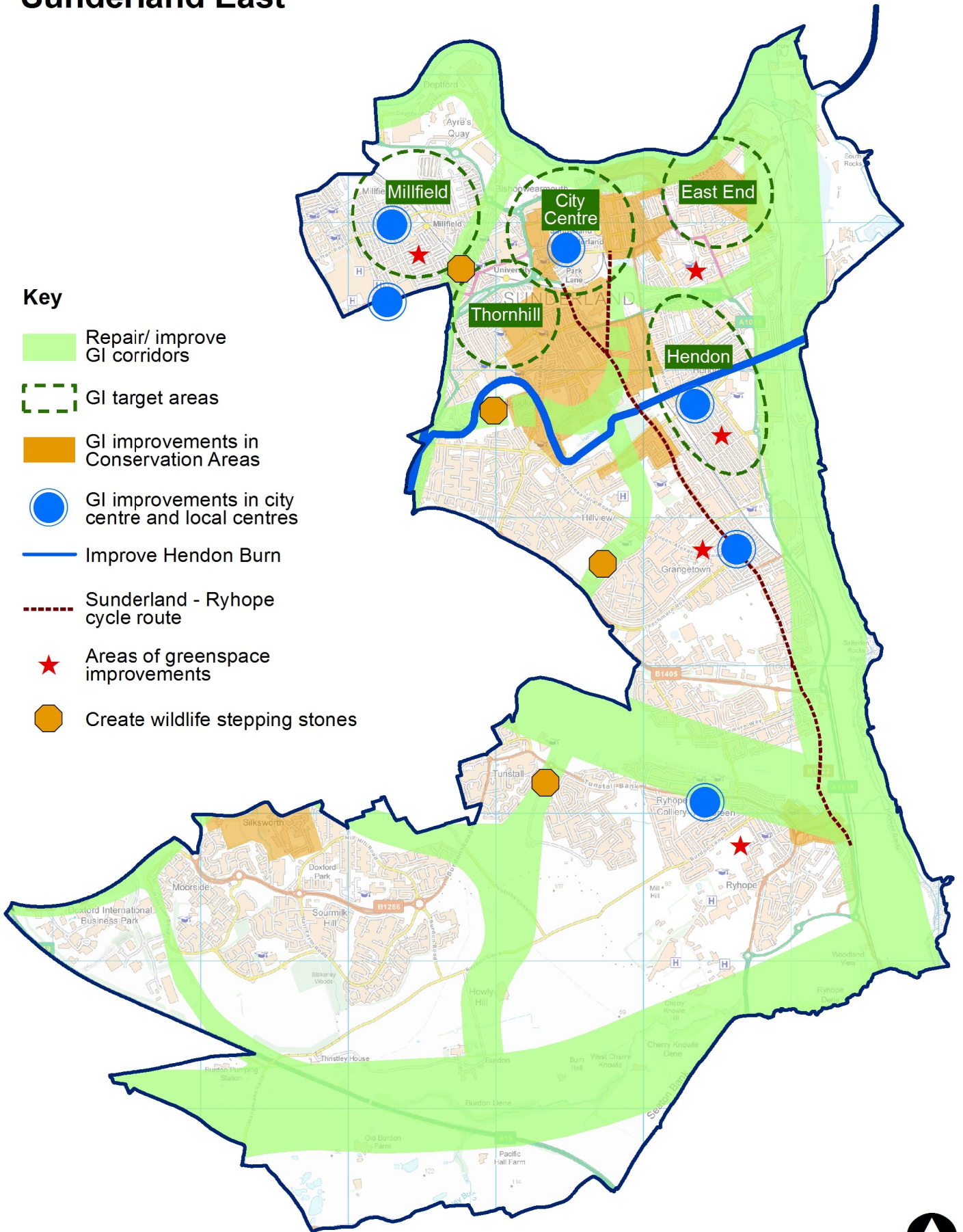
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# Sunderland East

## Key

-  Repair/ improve GI corridors
-  GI target areas
-  GI improvements in Conservation Areas
-  GI improvements in city centre and local centres
-  Improve Hendon Burn
-  Sunderland - Ryhope cycle route
-  Areas of greenspace improvements
-  Create wildlife stepping stones



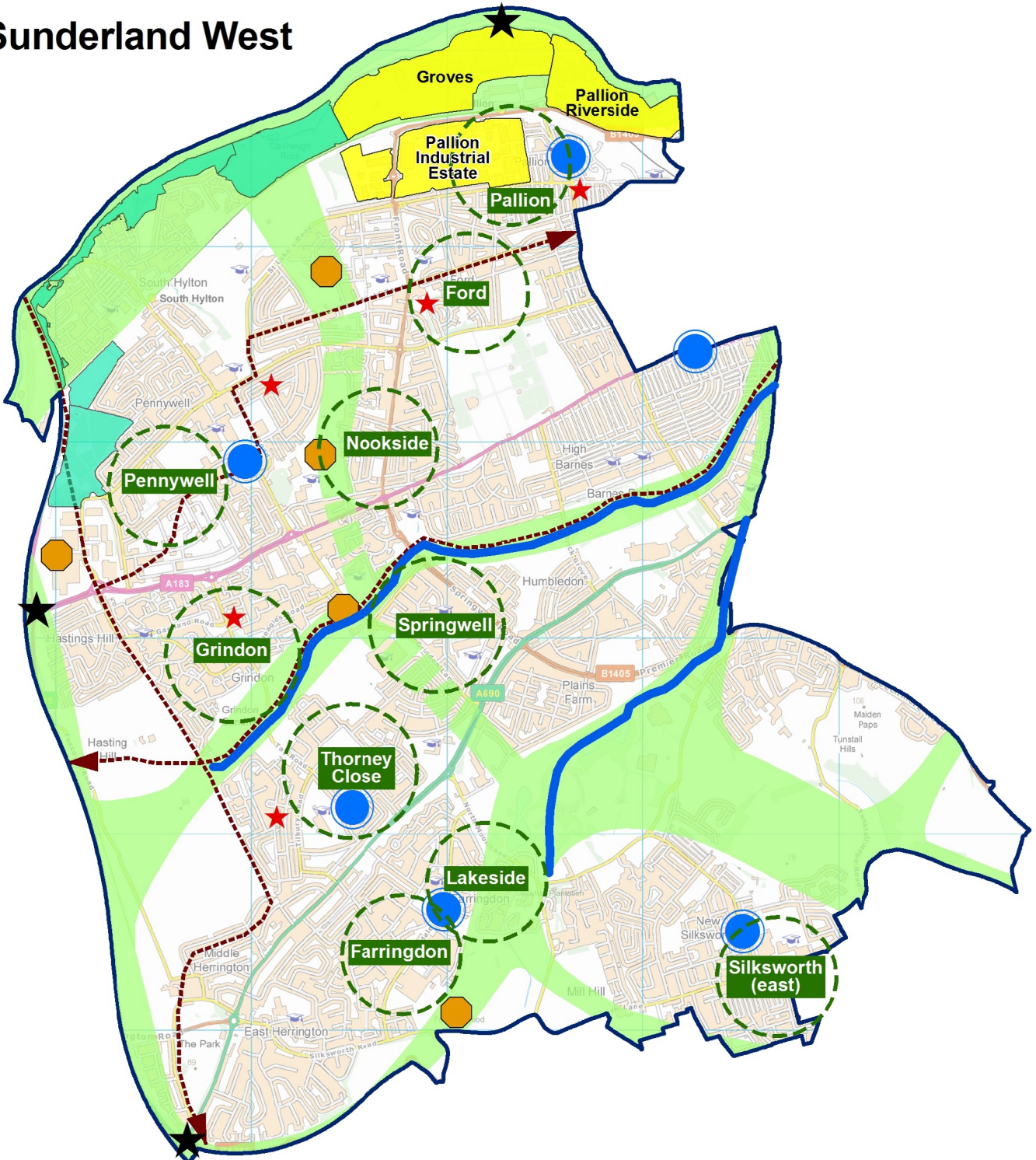
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






# Sunderland West



## Key











-  Repair/ improve GI corridors
-  Improve entrance gateways
-  GI target areas
-  New Country Park around South Hylton riverside
-  GI improvement areas
-  GI improvements in local centres
-  Improve Barnes Park and Barnes Burn/ Hendon Burn Corridor
-  Create wildlife stepping stones
-  Develop cycleways linking to centres and employment
-  Areas of greenspace improvements



# Washington










## Key

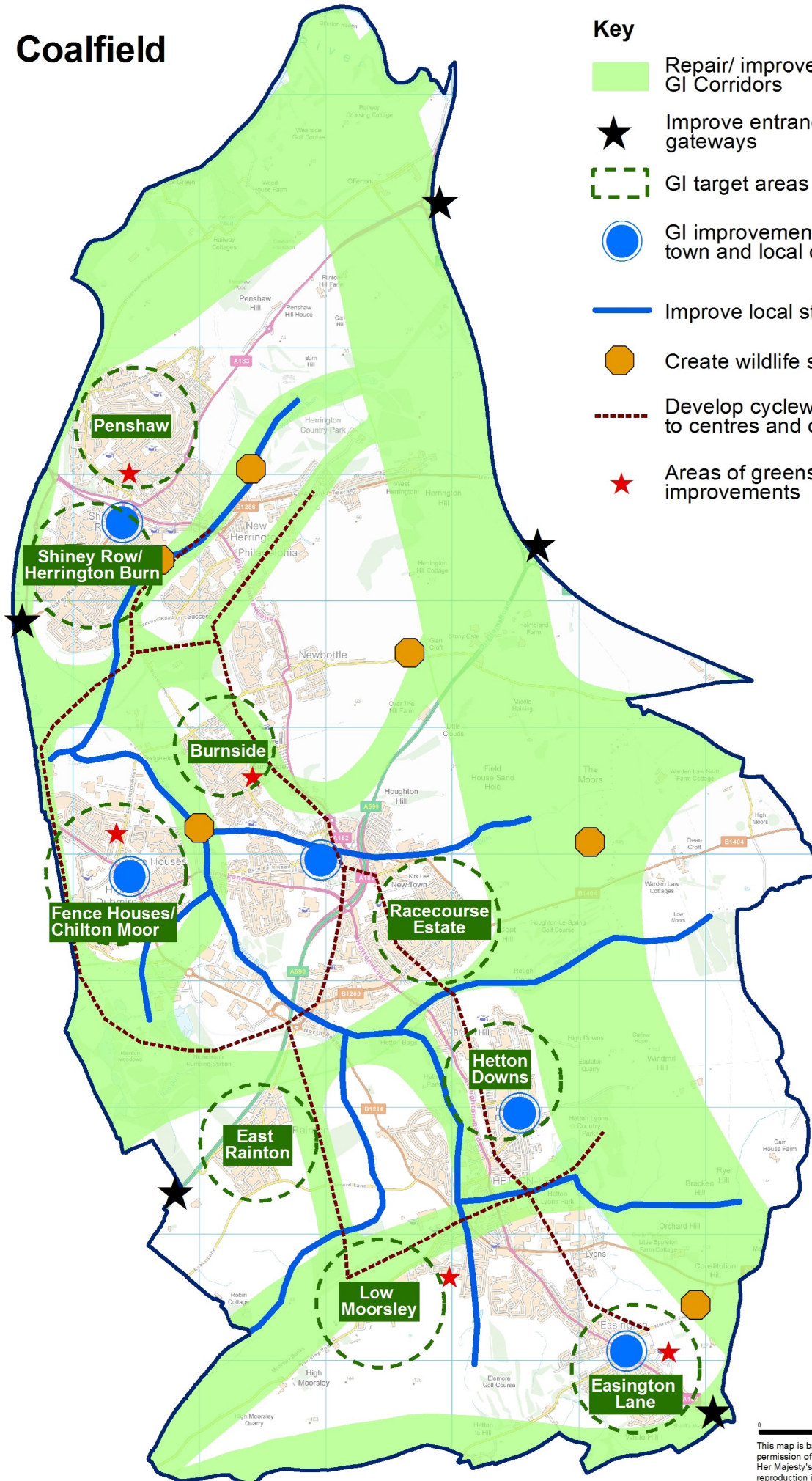
- |   |  |   |                                    |
|---|--|---|------------------------------------|
|  | Repair/ improve GI corridors           |  | Improve shelter belts              |
|  | Improve entrance gateways              |  | Improve Biddick Burn and River Don |
|  | GI target areas                        |  | Formalise and improve cycleways    |
|  | North area sports hub                  |  | Create wildlife stepping stones    |
|  | GI improvement at Albany Park          |   |                                    |
|  | Quality GI - The Galleries and Concord |   |                                    |



# Coalfield

## Key

-  Repair/ improve GI Corridors
-  Improve entrance gateways
-  GI target areas
-  GI improvements in town and local centres
-  Improve local streams
-  Create wildlife stepping stones
-  Develop cycleways linking to centres and country parks
-  Areas of greenspace improvements





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