

Leeds City Region Enterprise Partnership
Leeds City Region Green and Blue Infrastructure
Delivery Plan
Version 1 (Draft) | 30 March 2018

1. Introduction

The Leeds City Region Green and Blue Infrastructure Strategy (the Strategy) was developed with the assistance of over 50 partner organisations in 2016/17 and is based on the vision of:

Everybody in the Leeds City Region is within easy reach of an outstanding and well used network of green and blue infrastructure that reduces flood risks and supports health, the economy, the environment and a superb quality of life.

The Strategy is based on seven interconnected priorities and 27 key strands of action. The City Region's approach combines far sighted ambition with the determination to deliver in practice and make a real difference to businesses, people and communities. The test of this will be the delivery of seven headline outcomes, as set out in Section 2.3. This Delivery Plan is the vehicle for doing that. It will take forward and drive implementation of the Strategy, and fully supports the emerging Leeds City Region Local Inclusive Industrial Strategy (LIIS) and policy framework.

The environment and energy are identified in the Leeds City Region Strategic Framework which informs the LIIS as a key policy area that will contribute to delivering against the key challenges identified by the Leeds City Region Enterprise Partnership Board currently having a significant impact in the City Region. Table 1 below sets out how the Strategy and this Delivery Plan will contribute to achieving the key challenges.

Key challenges for the City Region	How can the Energy Strategy and Delivery Plan help to tackle these?
Productivity gap is increasing	<p>By supporting the key drivers of productivity including skills, innovation, investment and enterprise by creating new business and upskilling opportunities.</p> <p>By enhancing the City Region's attractiveness and profile by raising the quality of developments and town / city centres, and improving an accessible green and blue infrastructure network.</p> <p>By providing the environment that enables businesses to attract talent and investment.</p>
Innovation and research and development are very low	<p>By connecting green and blue infrastructure expertise in universities and other institutions to business growth and the development of key projects e.g. energy, planning, engineering, construction.</p>
Living standards have stalled	<p>By boosting quality of place, leisure and amenity aspects of quality of life and living standards.</p>

Key challenges for the City Region	How can the Energy Strategy and Delivery Plan help to tackle these?
	By encouraging high quality development, reducing flood risk on businesses, and supporting business and jobs growth.
Stubborn deprivation exists	<p>By prioritising access to, and improvement of, green and blue infrastructure in areas of deprivation and poor health.</p> <p>By creating opportunities for work experience, employment and apprenticeships.</p> <p>By improving air quality, mental health and physical activity.</p>

Table 1. Contribution to delivery of key challenges by the Strategy and Delivery Plan

The development of the Delivery Plan has been supported by many organisations across the public, private and voluntary sectors, and convening partner organisations have played a key role in developing the components of it with input from stakeholders. As this Delivery Plan supports and interconnects with the Strategy, it does not repeat the information within it. Rather, it sets out specific actions that will take forward the Strategy’s seven priorities and the 27 strands within them. For each it includes:

- Name and description of the action
- Status of the action (current, planned, proposed or new)
- Lead delivery organisation(s) and other partners
- Project timetable (short, medium or long-term, plus start and end years)
- Details of resources e.g. person time or approximate funding requirements, and whether these have been secured

The actions in the Delivery Plan are split between those which are tangible projects, and those which are policies or processes that will aim to deliver change. The Delivery Plan sought to secure all the required information for actions, and to write this up succinctly. Where information gaps remain (denoted by a TBC) these will be closed as the Delivery Plan is updated and new information emerges. A summary of key interlinkages with other priorities and actions is included at the end of each priority section. Notes and a glossary on codes and abbreviations used throughout this Delivery Plan is included in Appendix A.

1.1. Delivery headlines

The content of the Delivery Plan is extensive, and it is not possible to summarise all of the content here. However, the following spread of headline actions is illustrative and communicates the Delivery Plan’s breadth and ambition. These are:

- **Natural flood management:** Leeds Flood Alleviation Scheme Phase 2 will invest £10 million in natural flood management (NFM). A further 12 multi-benefit NFM schemes will invest over £9 million across the City Region.
- **Flagship development schemes:** Where green and blue infrastructure is a key feature. South Bank, Leeds which includes a new City Park, and the A62 smart corridor in Kirklees are two notable examples.
- **CityConnect:** £60 million towpath upgrade works to create multi-functional green corridors and cycle routes, including on the Leeds-Liverpool Canal, Huddersfield Narrow Canal, Rochdale Canal and Calder and Hebble Canal. Connected to the development of Local Cycling and Walking Infrastructure Plans.
- **Green and blue infrastructure to promote health:** A spread of actions including park trim trials, a new canal canoe trail, innovative 'story walks' and a phone app to promote park use in Wakefield, and over 20 volunteer led Park Runs which get over 5,000 people in the City Region running every week.
- **New woodland areas:** As part of the Northern Forest, such as in Wessenden Valley, Gorphey, Hardcastle Crags, Bradford, Dewsbury and the Yorkshire Dales. These will reduce flood risk, create attractive environments for people and habitats for wildlife.
- **Flood risk reduction and habitat creation:** £4 million naturalised flood storage reservoir at Killingbeck Meadows which will provide habitat creation and new planting to improve biodiversity and amenity value of the area within a strategic green corridor for Leeds. Scheme is supplemented by other catchment wide measures to reduce flood risk.
- **Upland peat restoration:** Over £20 million investment that will benefit water quality, flood risk, carbon reduction and biodiversity.
- **Large-scale sustainable drainage systems:** Including at flagship developments such as Olympia Park, Selby, and City Fields, Wakefield.

1.2. Challenges and future opportunities

In addition to the actions where progress is ongoing, there are a number of areas where new or further actions are needed to seize future opportunities and deliver the ambitions of the Strategy. The Delivery Plan sets out a suggested approach and lead partner in these areas, which include:

- **Map and communicate the City Region green and blue infrastructure network:** Building on local networks and key assets and proposals identified through the Delivery Plan. To be led by the Combined Authority.
- **Post-Brexit agricultural and environmental policy / support:** Agree and put in place a process to influence proposals being developed by the Department for Environment, Food and Rural Affairs (DEFRA), potentially

linked to devolution proposals. Local Nature Partnerships and Non-Government Organisations currently developing their thinking in this area.

- **Review planning policies on green and blue infrastructure and sustainable drainage systems:** Seek to raise their ambition and consistency. The Combined Authority and local authorities will work together to agree a way forward to enable this to happen.
- **Identify further flagship new development schemes:** Incorporating high-quality and prominent green and blue infrastructure into town and city centres, other Spatial Priority Areas and Inclusive Growth Corridors. To be led by local authorities and the Combined Authority.
- **Establish a green and blue infrastructure and health programme:** Including an event to build awareness / ownership, and a process to collate and stimulate further local action. To be led by the directors of public health and to involve wider health partners.
- **Take forward green and blue infrastructure in transport schemes:** Including investigating how 'Green Streets®' design principles could be incorporated into future highway schemes (e.g. West Yorkshire Transport Fund) and engaging with rail partners to identify green and blue infrastructure opportunities. This also includes developing an understanding of the current and future cycle network that could contribute to the ambition of approximately 400 miles of green and blue infrastructure rich cycleway network linking the towns and cities of the City Region. There are clear links between this ambition and the work to develop a Local Cycling and Walking Implementation Plan for West Yorkshire. To be led by the Combined Authority.
- **Agree a plan for future peatland restoration after 2020:** Including securing resources for this once major EU funding ceases. To be led by Moors for the Future, Yorkshire Peat Partnership and Natural England.
- **Fully realise economic benefits from green and blue infrastructure:** By aligning with the Local Inclusive Industrial Strategy, and exploiting opportunities for business growth, employment, skills and inclusion benefits across the Delivery Plan are devised and delivered. To be led by the Combined Authority.

1.3. Indicators and review

The Strategy and this Delivery Plan set out a range of long-term targets, aspirations and indicators. Where possible this has been done quantitatively, Headline outcome targets to 2036 against which performance will tracked include:

- Everybody in easy reach (one kilometre) of an outstanding and diverse green and blue infrastructure network.
- 1,000 miles of green and blue infrastructure rich corridors, including canals, rail, road, and a 400 mile City Region cycle route network.

- Become a UK trailblazer in catchment planning and natural flood management (evidenced by increasing investment as a proportion of flood management expenditure, measuring and demonstrating impacts on flow rates, and increasing integration with other flood prevention measures).
- Create a 'White Rose Forest' and increase tree cover by more than a third (anticipated to equate to 3 million trees planted and tree canopy cover increasing to over 10 percent).
- Make quality green and blue infrastructure a defining feature of the way we do development (with exemplar green and blue infrastructure schemes in place in the largest town and city centres in each local authority area).
- Treble the proportion of Yorkshire blanket bog peatlands in good (favourable and recovering) condition to 50 percent or more.
- Growth in green and blue infrastructure based businesses, jobs and apprenticeships that outstrips the average City Region growth rates for other sectors.

Additional subsidiary indicators that will be tracked over the course of the Delivery Plan are listed at the end of each priority section. It is intended that, subject to approval, the proposed coordinating resource will be charged with pulling together progress from partners with data, backed by Combined Authority intelligence resources and linked to LIIS and Leeds City Region Strategic Economic Plan (SEP) monitoring processes.

1.4. Championing and coordinating

The green and blue infrastructure agenda is supported by many organisations in principle, but in practice delivery of it can often fall between organisations or the teams and departments within them. Hence it will be vital to have the right leadership and coordinating resources to drive forward this plan long-term, including to ensure it is implemented, updated, monitored, and to identify and exploit opportunities for funding, collaboration and influence. In this respect, the Delivery Plan recommends that:

- A leader or chief executive within the City Region is invited to champion the Strategy and Delivery Plan and agenda.
- Individual local authorities are invited to specify named individuals as internal and local coordinating points for the green and blue infrastructure agenda.
- A designated resource is specifically allocated to coordinate and drive forward this agenda across the City Region (likely to be within the Combined Authority), including monitoring and updating the Strategy and Delivery Plan. This is something that will be investigated by the Combined Authority and partners post adoption

2. Priority 1: Effective water management and flood risk reduction

Table 2 below sets out the actions that have been identified to deliver on Priority 1 of the Strategy. For more information on Priority 1 and its strands of action please refer to the Strategy document which accompanies this Delivery Plan.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 1A: Fully incorporate natural flood management within integrated catchment plans							
Strategic processes and proposals							
1A(i). Adopt an integrated approach to the review of flood risk management plans impacting upon the City Region ¹ .	Proposed	The Environment Agency are committed to supporting an integrated approach to catchment management within flood risk management plans and will consider during 2018 how best to address in the review process.	Environment Agency		Medium (TBC)	Person time	n/a
Priority 1B: Invest in and implement natural flood management							
Projects							
1B(i). Leeds Flood Alleviation Scheme: Aire natural flood management programme	New	<p>A landscape scale transformational programme that will work with natural processes across the Aire catchment to reduce the flood peak in Leeds by five percent after 2039 and also benefit communities upstream of Leeds. Measures will include extensive woodland creation, re-meandering, and creation of small storage areas to help reduce runoff from fields.</p> <p>An adaptive learning approach will be taken throughout delivery and a pilot programme, launched in March 2018, will both start to implement measures and inform the approach taken with partners, communities, landowners and tenants.</p>	Environment Agency (on behalf of Leeds City Council)	Aire and Calder Catchment Partnership Bradford MDC Country Land and Business Association Craven DC DEFRA Forestry Commission Natural England Yorkshire Wildlife Trust Forest of Bradford Partnership Woodlands Trust Yorkshire Dales National Park Yorkshire Water ART	Long 2018 – 2028 and beyond	£10 million	TBC Multiple sources including DEFRA grant, Woodlands Trust and Combined Authority

¹ Please note this action is to be refined by the Environment Agency during spring 2018.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
				National Farmers Union White Rose Forest iCASP ODI Leeds West Yorkshire Flood Risk Partnership			
1B(ii). Hebden Bridge Flood Alleviation Scheme: Fluvial containment and environmental enhancements	Proposed	This project will reduce flood risk to 200 local businesses, safeguard 700 jobs and provide environmental improvements and multiple benefits for the local community through the delivery of green and blue infrastructure e.g. creation of pocket parks, fish passage, re-naturalisation of modified channels.	Calderdale MBC	Environment Agency Yorkshire Water	Medium 2018 – 2021	£6.5 million	No Outline business case submitted for ESIF Sustainable Urban Development call
1B(iii). Midgelden Brook Community natural flood management	Planned	Natural flood management measures on Midgelden Brook, Calderdale.	Treesponsibility	Environment Agency Yorkshire Water Sticks and Stones iCASP	Short 2017	£50,000	Yes DEFRA booster funding
1B(iv). Park Road, Elland	Proposed	Scheme under development proposing construction of semi-permanent wetland as a result of a borrow pit ² .	Environment Agency	Calderdale MBC	TBC	£100,000	Partial Grant-in-Aid Local Levy Calderdale MBC
1B(v). Upper Aire habitat and land management project	Current	The project will work with local farmers and deliver Water Framework Directive improvements (improvements for water quality and fish) and habitat creation and natural flood management benefits in the Upper Aire catchment extending from the Yorkshire Dales to the outskirts of urban Bradford. This area has been identified as a priority for wetland habitat creation and studies have identified a number of floodplain	Environment Agency	Yorkshire Wildlife Trust Yorkshire Water Yorkshire Farming and Wildlife Partnership	2011 – TBC	£1 million	Partial Grant-in-Aid Water Environment Improvement Fund

² A borrow pit is a pit left after construction material e.g. sand and gravel, has been dug out.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		sites and washlands where wetland habitat could be created.					
1B(vi). Upper Aire natural flood management programme	Proposed	Building on current work (v above) the scheme will deliver natural flood management mitigation measures within the upper catchment including woodland, run off attenuation measures and land management changes. This will provide local benefit and long term risk reduction downstream.	Yorkshire Wildlife Trust	West Yorkshire Combined Authority Yorkshire Water Yorkshire Farming and Wildlife Partnership	Medium 2017 – 2021	£490,000	No Outline application submitted to the Combined Authority for Growth Deal funding. Full application to be submitted if outline is successful.
1B(vii). Leeds Urban Becks	Current	A partnership project to deliver a programme of works on becks in Leeds City Centre and suburbs. It includes delivery of Water Framework Directive mitigation measures, natural flood management, priority Biodiversity Action Plan (BAP) species actions and habitat creation.	Environment Agency Yorkshire Wildlife Trust	Yorkshire Water	2016 – TBC	£500,000	Partial Water Environment Improvement Fund Grant-in-Aid Other smaller contributions
1B(viii). Backstone Beck, Ilkley	Planned	This scheme in Ilkley will address flood risk from Backstone Beck using natural flood management interventions, working with	Bradford MDC	Environment Agency DEFRA iCASP	Medium 2018 – 2021	TBC	Yes DEFRA booster funding. Business case under development
1B(ix). Collingham Beck Community natural flood management	Planned	Natural flood management measures in Collingham Beck catchment.	Yorkshire Dales Rivers Trust	Environment Agency iCASP East Keswick Wildlife Trust	Medium 2018 – 2021	£50,000	Yes
1B(x). Addingham Town Becks	Planned	A community-led initiative in Addingham that will develop natural flood management improvements and improve / restore ecological reconnection on the local becks. This will reduce flood risk locally and engage the community with their becks.	Environment Agency	Yorkshire Dales Rivers Trust Bradford MDC Yorkshire Water Local groups	Medium 2018 – 2021	£100,000	Partial Water Environment Improvement Fund Grant-in-Aid Potential funding from

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
							Wharfe Local Levy bid.
1B(xi). The Wensleydale Project	Planned	A programme of projects looking at land use, soil compaction and diffuse pollution as well as ecology, landscape and access. A strategy is in place and one project for citizen science (Ure River Project) is funded.	Yorkshire Dales National Park	Environment Agency Natural England Yorkshire Water Yorkshire Wildlife Trust Yorkshire Dales Millennium Trust	2014 – TBC	TBC £24,000 for Ure River Project	Yes Heritage Lottery Fund for Ure River Project Bidding in progress to secure further funds.
1B(xii). Natural Nidd	Current	A landscape scale, phased project to address Water Framework Directive failures on the Nidd and tributaries. Work will address agricultural diffuse pollution, habitat creation and land management, with measures including tree planting, buffer strips, habitat creation and natural flood management benefits. Long term it will aim to set back flood defence embankments to reconnect the river to its floodplain where feasible and support fish passage where funding allows.	Environment Agency	Nidd Partnership ³	2015 – TBC	£150,000	No Submitting bid to Water Environment Grant spring 2018
1B(xiii). York Urban Becks	Planned	The project will improve the morphology, biodiversity and enjoyment of becks in York. It is targeting Tang Hall Beck and Osbaldwick Beck, and funding is also sought to open up culverts and introduce meanders and two tier channels in parts of the becks. The wider project will look at upstream storage and soil management.	Environment Agency	City of York Council Friends of St. Nicks Nature Reserve	Short 2018 – 2019	£183,000	TBC Water Environment Improvement Fund City of York Council
1B(xiv). Sheffield Upper Don Flood Alleviation Scheme	Proposed	Catchment wide solutions that involve alternative land use, tree planting and natural flood management measures as part of a wider solution that will extend into Barnsley and contribute to reduced flood risk in Penistone.	Sheffield City Council	Yorkshire Water	2018 – TBC	£100,000	No
1B(xv). Upper Bradford Beck	New	It was noted through the development of this Delivery Plan that there was a lack of	TBC	TBC	TBC	TBC	TBC

³ The Nidd Partnership is made up of Yorkshire Water, Yorkshire Dales Rivers Trust, Nidderdale AONB, Natural England, Yorkshire Farming and Wildlife Partnership

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		intervention identified for the upper reaches of Bradford Beck. Action will be developed to address.					
Strategic processes and proposals							
1B(xvi). Evidence and action research	New	Consolidate the evidence base on natural flood management in the City Region, including through before and after monitoring of natural flood management pilot projects, to better make the case for natural flood management where justified, and to guide a prioritised and effective approach to interventions, including linking to and informing Flood Alleviation Schemes and Flood Risk Management Plans.	iCASP	University of Leeds University of York Natural Environment Research Council Environment Agency JBA Yorkshire Dales Rivers Trust Derwent Catchment Partnership Pennine Prospects Yorkshire West Local Nature Partnership	Medium 2018 – 2020	TBC	Partial Natural Environment Research Council funded iCASP project will support nine pilot natural flood management projects. Process TBC
1B(xvii). Natural flood management asset register and maintenance ⁴	New	Catalogue natural flood management assets to inform future planning and management and prevent damage to existing works by incorporating them into existing Lead Local Flood Authority registers, and adopt maintenance regimes to keep them effective ⁵ .	TBC Likely to be Environment Agency or Lead Local Flood Authorities	All partners planning and delivering natural flood management	TBC	TBC	TBC
1B(xviii). Natural flood management skills and capacity ⁶	New	Develop skills, training, employment and funding processes to widen and enhance the number of people who have natural flood management expertise and who are able to implement projects ⁷ .	TBC Likely to be Environment Agency	All partners planning and delivering natural flood management	TBC	TBC	TBC

⁴ Please note this action is to be refined by the Environment Agency in spring 2018.

⁵ Please note this wording is draft. The Environment Agency is fully committed to support this action, but requires further time to develop it with partners and to ensure it is meaningful and that the Environment Agency are able to deliver their overall objectives.

⁶ Please note this action is to be refined by the Environment Agency in spring 2018.

⁷ Please note this wording is draft. The Environment Agency is fully committed to support this action, but requires further time to develop it with partners and to ensure it is meaningful and that the Environment Agency are able to deliver their overall objectives.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
1B(xix). Prioritised and coordinated approach to natural flood management across City Region catchments ⁸	New	Co-ordinate and bring together existing natural flood management focused processes and partnerships to help share expertise and information, plan collectively and have a clear and agreed approach about who is leading on what and where ⁹ .	TBC Likely to be Environment Agency	All partners planning and delivering natural flood management	TBC	TBC	TBC
Priority 1C: Embed sustainable drainage systems into new development							
Projects							
1C(i). Soak It Up initiative	Current	Soak It Up is a combined sustainable drainage system delivery, education and community engagement programme. It will install sustainable drainage techniques into school and community areas and promote green and blue infrastructure as a method of flood prevention and environmental enhancement. Wider benefits include community engagement and volunteering. The scheme is being piloted in Hull and roll-out will be encouraged in the City Region.	Yorkshire Water	Yorkshire Wildlife Trust Schools Communities	TBC	TBC	Yes Yorkshire Water
1C(ii). Incorporate sustainable drainage systems into Olympia Park development in Selby	Current	Sustainable drainage system planning is forming a critical part of the visioning and design process for this major development from the outset, as the entire site lies within an area of flood risk.	Selby DC	Homes England North Yorkshire County Council Land owners / developers	Long 2018 – design stage 2019 – 2035 – implementation	TBC £9 million for infrastructure and site assembly	Partial Housing Infrastructure Fund Heritage Lottery Fund
1C(iii). Incorporate sustainable drainage systems into City Fields development in Wakefield	Current	Plant out the large wet attenuation sustainable drainage systems that has been constructed to accommodate surface water from the new road and approximately half of the residential development on the site. This will involve creating wet attenuation ponds or swales and a network of managed wetland habitats.	Wakefield MDC	Environment Agency Yorkshire Water	TBC 2019 – onwards	Person time	n/a

⁸ Please note this action is to be refined by the Environment Agency in spring 2018.

⁹ Please note this wording is draft. The Environment Agency is fully committed to support this action, but requires further time to develop it with partners and to ensure it is meaningful and that the Environment Agency are able to deliver their overall objectives

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
1C(iv). Incorporate sustainable drainage systems in Bellman Walk development in Ripon	Planned	The Bellman Walk housing development is on the western edge of Ripon, adjacent to the River Skell. The site has planning permission and includes sustainable drainage systems, recreation and public open space, and biodiversity improvements.	Harrogate BC	Environment Agency Yorkshire Water	TBC 2019 – onwards	Person time	n/a
Strategic processes and proposals							
1C(v). Sustainable drainage system policies / practices stocktake	Current	Complete a stocktake of City Region local authority policies and practice on sustainable drainage systems to identify the extent of policies, how far there is consistency, and any good practice to build on.	Leeds City Council	All City Region local authorities West Yorkshire Combined Authority	Short 2018	Person time	n/a
1C(vi). Sustainable drainage systems policy review	Planned	Identify a cross-local authority group with ownership and expertise in sustainable drainage system policy; hold a first meeting to consider the stocktake results (see 1C(v) above) and to identify and take forward a long term process to raise the level of ambition and consistency in local sustainable drainage system policies.	Leeds City Council	All City Region local authorities West Yorkshire Combined Authority	Short 2018	Person time	n/a
Priority 1D: Deliver integrated water management solutions that combine water storage, supply and wider green and blue infrastructure benefits							
Projects							
1D(i). Wyke Back – Killingbeck Meadows naturalised flood storage scheme	Planned	Creation of a naturalised flood storage reservoir at Killingbeck Meadows capable of storing 45,000 cu m, and other catchment wide measures to reduce flood risk. The scheme will provide habitat creation and new planting to improve the biodiversity and amenity value of the area in a strategic green corridor for Leeds.	Leeds City Council	Environment Agency	Medium 2018 – 2020	£4 million	Yes
Strategic processes and proposals							
1D(ii). Integrated water supply solutions process	Current	Continue to explore opportunities to incorporate flood risk management, leisure, biodiversity and carbon reduction into reservoir management and business processes for determining long term water supply. This will include Yorkshire Water working with partners to identify locations for other similar schemes to Killingbeck Meadows (1D(i)) and working as a supporting	Yorkshire Water	Environment Agency White Rose Forest Yorkshire Wildlife Trust	TBC	TBC	TBC

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		organisation for delivery of possible future schemes.					
Priority 1E: Ensure consistently high water quality							
Projects							
1E(i). Rivers in Elmet	Current	Projects in the Environment Programme delivering agri-environment schemes in three deteriorated and Water Framework Directive failing waterbodies: Collingham Beck, Cock Beck and South Milford. It includes land management and habitat improvement measures, it will also have natural flood management benefits.	Yorkshire Dales Rivers Trust	Environment Agency Natural England Yorkshire Water North Yorkshire County Council East Keswick Wildlife Trust	Short 2017 – 2018	£50,000	Partial Submitting a Water Environment Grant for further funding
1E(ii). Wiske Restoration Project	Current	To improve the Wiske and Willow Beck catchments through new areas of habitat, more sympathetic channel maintenance, tree planting and measures to improve dissolved oxygen levels, reduce sediment and reduce metaldehyde in water used for drinking abstraction.	Yorkshire Wildlife Trust	Environment Agency Yorkshire Water	TBC	£150,000	Yes Water Environment Improvement Fund YWS funding Submitting bid for Water Environment Grant
1E(iii). Managed highways drainage project	New	Develop and deliver a pilot project to prevent pollution run-off from highways entering combined sewers and water courses.	TBC Likely to be a local Highways Authority	TBC	TBC	TBC	TBC
Strategic processes and proposals							
1E(iv). Water quality management and regulation	Current	Environment Agency will continue its core role to enhance water quality management and regulation and prevent pollution to ensure ongoing improvement in the water quality of rivers, canals and other water bodies. As this is a large scale day job role it is not detailed as a project.	Environment Agency	Yorkshire Water	n/a	n/a	n/a
Strategic processes and proposals to drive long-term action across Priority 1							
1SP(i). City Region water and green and blue infrastructure annual event or forum		Consider developing a mechanism to bring together partners with an interest in green and blue infrastructure and water across the City Region to enable them to share	TBC	TBC	TBC	TBC	TBC

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		evidence and good practice, review progress, agree priorities and co-ordinate action (with links made to other green and blue infrastructure action areas and priorities, e.g. on woodland, uplands, green and blue infrastructure network and corridors).					
Cross references – other actions that strongly support this priority							
<p>This priority connects most strongly to the following action areas in other parts of this Delivery Plan:</p> <ul style="list-style-type: none"> • Priority 2, Action Areas B, C and D: through incorporating sustainable drainage systems into developments, housing and flagship schemes, as well as water conservation and run-off prevention measures by households. • Priority 3, Action Area C: actions in Priority 3 that enhance canals and rivers often also include natural flood management measures, while many Priority 1 projects will also support water corridor enhancements. • Priority 4, Action Area A: the green and blue infrastructure network will include assets that support good water management and flood prevention as well as wider benefits. • Priority 5, Action Area B: tree and woodland planting covered in Priority 5 will have water and flood prevention benefits e.g. new woodland at Wessenden Valley, Gorpley, Hardcastle Craggs and the Yorkshire Dales. • Priority 6, Action Areas A and B: sustainable land management projects and major peat restoration programmes in the uplands will have considerable benefits for water management and flood prevention. • Priority 7, Action Area A: flood prevention will have considerable benefits for businesses at risk of flooding and for the economy through reduced risks and flood damage. • Priority 7, Action Areas B and C: natural flood management and wider water projects will bring employment, work experience, volunteering and skills development opportunities, and can benefit from innovation and higher education expertise. 							

Table 2. Priority 1 delivery plan

Priority 1 headline outcome

Become a UK trailblazer in catchment planning and natural flood management (evidenced by increasing investment as a proportion of flood management expenditure, measuring and demonstrating impacts on flow rates, developing and applying best practice, and increasing integration with other flood prevention measures).

Priority 1 subsidiary performance indicators

- Measurement of reduction in flood risk to properties / peak river flows for individual projects as part of an action research approach.
- Percentage of new developments above threshold scale that include sustainable drainage systems (once policies are agreed and adopted).
- Length of river with improved water quality.

3. Priority 2: Build green and blue infrastructure into physical development and housing

Table 3 below sets out the actions that have been identified to deliver on Priority 2 of the Strategy. For more information on Priority 2 and its strands of action please refer to the Strategy document which accompanies this Delivery Plan.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 2A: Make the case for green and blue investment to support investment							
Projects							
2A(i). Produce a fact sheet on the business case for green and blue infrastructure	New	Collate evidence into a concise and compelling making the case proposition to persuade private sector developers that incorporating green and blue infrastructure into developments e.g. housing, business parks, makes commercial sense.	Arup	West Yorkshire Combined Authority iCASP	Short 2018	Person time	Yes Arup internal funding
Strategic processes and proposals							
2A(ii). Build and utilise the green and blue infrastructure evidence base	New	Use action research, monitoring and evaluation to assess the impact and cost-effectiveness of green and blue infrastructure solutions in the City Region and integrate these processes into projects.	West Yorkshire Combined Authority	iCASP	Long 2018 – onwards	Person time Budget for evaluation	Partial iCASP building the business case project
Priority 2B: Develop strong and consistent planning policies to embed high quality green and blue infrastructure into new development							
Strategic processes and proposals							
2B(i). Complete a stocktake of local authority planning policies on green and blue infrastructure and new development	Current	Complete a stocktake of Leeds City Region local authority planning policies on incorporating green and blue infrastructure into new development to identify the extent of policies, how far there is consistency, and any good practice to build on. This will be aligned with work under action 1C(v).	Leeds City Council	All City Region local authorities	Short 2018	Person time	Yes Officer from Leeds City Council allocated to coordinate
2B(ii). Review green and blue infrastructure planning policies and seek to raise their ambition and consistency	Planned	Identify a cross-local authority group with ownership and expertise in planning policy and green and blue infrastructure; hold a first meeting to consider the stocktake results (see 2B(i)) and to identify and take forward a long term process to raise the level of ambition and consistency in local sustainable drainage system policies. This will be aligned with work under action 1C(vi).	Leeds City Council (initially)	All City Region local authorities	Short 2018	Person time	n/a
2B(iii). City of York planning requirements for new housing sites	Proposed	Green and blue infrastructure to be required on all strategic housing sites in York as part of	City of York Council	Developers	TBC	Person time	n/a

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		the delivery of the City's Local Plan. Layout, design and scale being discussed on a number of sites including: York Central (ST5), British Sugar (ST1), Former Civil Service site (ST2).					
Priority 2C: Create flagship green and blue infrastructure schemes in town and city centres and high profile new developments							
Projects							
2C(i). South Bank and City Centre Park, Leeds	Current	The Leeds City Centre South Bank development will create a major new city centre park / open space for Leeds plus wider public realm improvements. City Park will demonstrate a clear commitment to improved green and blue infrastructure and have multiple benefits and functions including improving the city's flood resilience, its image and the provision of healthy spaces and outdoor activities.	Leeds City Council	West Yorkshire Combined Authority	Medium 2018 – 2020	TBC	Yes
2C(ii). Kirklees Cooper Bridge / A62 Corridor	Planned	The A62 to Cooper Bridge scheme will improve access between Huddersfield and a key development site. It will reduce congestion and travel times, facilitate housing and employment growth, improve air quality and include high quality green and blue infrastructure as a distinctive feature.	Kirklees MBC	West Yorkshire Combined Authority	Long 2019 – onwards	TBC	TBC
2C(iii). Halifax Town Centre – station entrance refurbishment	Proposed	The scheme proposes major upgrades to the station and surrounding area to improve access to the town and boost the economy. It includes a new station at platform level, a transport interchange combining all modes of travel, and replacement of the station access bridge with an attractive landscaped entrance area.	Calderdale MBC	TBC	Medium 2019 – design 2021 – on-site	TBC	TBC
Priority 2D: Retrofit green and blue infrastructure into existing housing and promote citizen action							
Strategic processes and proposals							
2D(i). Complete a stocktake of local authority planning policies on green and blue infrastructure and housing.	Current	The stocktake is anticipated to cover planning processes as they apply to housing and to pick up any examples of policies / projects that relate to retrofit of existing housing. It will be backed by input from housing policy leads.	Leeds City Council	All City Region local authorities	Short 2018	Person time	Yes Officer from Leeds City Council allocated to coordinate

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Cross references – other actions that strong support this priority							
<p>This priority connects most strongly to the following action areas in other parts of the Delivery Plan:</p> <ul style="list-style-type: none"> • Priority 1, Action Area C: incorporating sustainable drainage systems into development is connected to planning policy and development proposals. • Priority 3, Action Areas A, B and C: strong links between planning, development and transport (including highways and cycle networks) and development policies that can enhance or protect wildlife corridors. • Priority 4, Action Areas A and B: planning and development policies are integral to the designation, creation and protection of local green and blue infrastructure networks and access to them. • Priority 7, Action Areas A, B and C: developments that incorporate high quality green and blue infrastructure will bring investment and regeneration benefits and provide business, employment and skills development opportunities. • Priority 7, Action Area D: flagship green and blue infrastructure projects in urban centres and new development will enhance the profile and image of the City Region and help to attract talent, tourism and investment. 							

Table 3. Priority 2 delivery plan

Priority 2 headline outcome

Make quality green and blue infrastructure a defining feature of the way development is undertaken with exemplar green and blue infrastructure schemes in place in the largest town and city centres in each local authority area.

Subsidiary performance indicators

- Number and area of flagship green and blue infrastructure rich developments in town and city centres and other Spatial Priority Areas and Inclusive Growth Corridors.
- Number of local authorities with planning policies on green and blue infrastructure in developments that are exemplary or which improve them significantly (definition TBC).
- Perceptions of Leeds City Region and / or areas within it as an attractive location for living and investing (subject to survey being resourced).

4. Priority 3: Enhance green and blue infrastructure corridors and networks

Table 4 below sets out the actions that have been identified to deliver on Priority 3 of the Strategy. For more information on Priority 3 and its strands of action please refer to the Strategy document which accompanies this Delivery Plan.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 3A: Extend Green Streets to more routes and stations							
Projects							
3A(i). Develop Green Streets key design principles for future transport schemes	New	Build on existing products to develop key principles / considerations document for use by the Combined Authority and partners to influence green and blue infrastructure at inception / design phase for schemes e.g. highway routes, park and ride schemes, stations, major development.	West Yorkshire Combined Authority	All delivery partners, including local authorities, Network Rail, land owners, developers	Short 2018 - 2019	£10,000 Consultant to develop document	No
3A(ii). Deliver Green Streets projects that include urban tree planting and other green and blue infrastructure	New	West Yorkshire Transport Fund – 31 strategic projects to include where possible Green Streets principles including East Leeds Orbital Route, A62 Smart Corridor in Kirklees, Bradford schemes at Canal Road / Hardings / Apperley / Harrogate Road / Newline / Wakefield Road.	West Yorkshire Combined Authority	Local authorities Yorkshire West Local Nature Partnership	Long 2018 - 2028	Person time Potential budget TBC	Partial
3A(iii). Deliver Leeds Outer Ring Road improvements in line with Green Streets principles	Current	Phase 1 of major highway improvement scheme will apply Green Streets principles in improvements to three junctions. Includes planting 1,500 trees, improved cyclist / pedestrian facilities, and an aspiration to create a new wet woodland at Roundhay Park Lane junction.	Leeds City Council	West Yorkshire Combined Authority	Short 2018 - 2019	£14 million	Yes
3A(iv). Deliver East Leeds Orbital Road in line with Green Streets principles	Current	The ELOR will be a 7.5km dual carriageway which will support increased traffic from allocated development, improving safer pedestrian / cycling facilities and implementation of Green Streets principles to improve environmental elements including air quality, flooding, wildlife habitats and a community corridor.	Leeds City Council	West Yorkshire Combined Authority	Short 2018 - 2019	TBC	Yes
3A(v). Retrofit green and blue infrastructure into existing schemes	New	Enlist consultancy support to retrofit green and blue infrastructure into planned highways activities and schemes through appraisal and subsequent delivery process.	West Yorkshire Combined Authority	Local authorities	Medium 2018 – 2021	TBC Consultant to advise on retrofit activities	No

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
3A(vi). Establish an eco-stations programme	New	Develop tools and mechanisms to ensure pipeline new stations schemes encapsulate green and blue infrastructure e.g. greenery / trees, permeable surfaces, sustainable drainage systems, wider eco features e.g. solar energy, sustainable materials and green corridor access facets.	West Yorkshire Combined Authority	Network Rail Local authorities	Medium 2018 – 2021	TBC Consultant to advise on design	No
3A(vii). Deliver Bradford Forster Square redevelopment in line with eco-station concept	Planned	Incorporate eco-station thinking and features, including green and blue infrastructure, into the proposed redevelopment of Bradford Forster Square.	Bradford MDC	West Yorkshire Combined Authority Network Rail	Medium 2019 – 2021	TBC	Yes
3A(viii). A1 Barnsdale Bar species rich grassland	Current	Creation of species rich grassland along the A1 corridor to the east of Wakefield district.	Highways England		Medium 2016 - 2020	£200,000	Partial Highways England Designated Fund
3A(ix). M1 species rich grassland	Current	Creation of species rich grassland along the M1 corridor east of Leeds.	Highways England		Medium 2016 - 2020	£100,000	Yes Highways England Designated Fund
3A(x). South Pennine Moor SSSI	Current	Works to improve and manage the SSSI units within Highways England's soft estate.	Highways England		Medium 2017 – 2020	£40,000	Partial Highways England Designated Fund
3A(xi). Develop case study examples of best practice	New	Produce local best practice examples of incorporating green and blue infrastructure into scheme design e.g. Leeds ELOR and Kirkstall Forge Station schemes.	West Yorkshire Combined Authority	Local authorities	Short 2018	Person time	Yes In-house
Priority 3B: Build green and blue infrastructure into rail corridors including a HS2 green and blue infrastructure corridor							
Strategic processes and proposals							
3B(i). Engage with HS2 and Network Rail to make the case for green and blue infrastructure in rail corridors and plans	New	Engage with HS2, Network Rail and wider stakeholders to work up and present the strategic evidence, business case and concept for inclusion of green and blue infrastructure in rail corridor schemes, including a HS2 multi-functional green and blue infrastructure corridor and green and	West Yorkshire Combined Authority	HS2 Ltd Network Rail Sustrans Yorkshire West Local Nature Partnership	Short to Long Engagement in the short-term Delivery in the long-term	Person time	n/a

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		blue infrastructure improvements in other key rail corridors.		Environment Agency Local authorities Yorkshire Wildlife Trust			
Priority 3C: Enhance rivers, canals and wildlife corridors							
Projects							
3C(i). CityConnect towpath upgrade works to develop Green Corridors	Current	A four year programme of canal towpath upgrade works as part of the £60 million CityConnect programme, primarily focussed on the Leeds to Liverpool canal [NB Individual CityConnect towpath cycle route schemes are covered in Priority 4D).	West Yorkshire Combined Authority	Canal and River Trust Local authorities	Short 2014 – 2018	£60 million	Yes
3C(ii). Leeds Liverpool Canal: Improving connectivity in the southern Yorkshire Dales	Current	Project will open up the canal to new markets by improving a valuable piece of existing towpath infrastructure that will have the ability to be used in all seasons for activities including boating, cycling, walking, unpowered boating and outdoor relaxation.	Canal and River Trust	Craven DC	Short 2018 – 2019	£1.7 million	Yes EAFRD and Craven DC
3C(iii). Calder Greening (Brierley Fields)	New	The project covers a range of initiatives to establish resilient green infrastructure along the Calder Valley corridor. It will provide an increasingly attractive natural environment with multiple benefits to the local economy, people and wildlife.	Calderdale MBC	Environment Agency Yorkshire Wildlife Trust	Medium 2018 – 2021	£2.3 million Above is match	No ESIF OBC accepted FBC submitted
3C(iv). Upper and Middle Calder MMAs and habitat restoration	Current	To complete mitigation measures, create meanders, in-stream and marginal habitat, and tackle diffuse pollution in waterbodies in the upper and middle Calder. The initial focus will be in the middle Calder with a pilot project led by Yorkshire Wildlife Trust on Clifton Beck in progress in 2016. A second area in development is creation of habitat on Brierley fields to utilise a disused sports ground.	Environment Agency	Yorkshire Wildlife Trust Canal and River Trust Yorkshire Water Calder and Colne Rivers Trust The Source Partnership	Long 2016 – TBC	TBC	Partial HLF
3C(v). Houghton (Phase II) River Restoration and Fish / Eel Pass Scheme	Planned	New fish pass and river restoration, including potential for wetland creation.	Environment Agency	RSPB	Medium 2018/19 – 2020 onwards	£525,000	Yes Grant-in-Aid
3C(vi). Fish pass projects along Calder and Hebble Navigation	New	Removal of barriers to fish migration.	Canal and River Trust	Environment Agency Calder and Colne Rivers Trust	Medium 2018 – 2021	£500,000 Plus TBC	TBC Water Environment Grant

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
3C(vii). Floating Pennywort Eradication Project	Current	Currently in year three of a programme to control the highly invasive Pennywort weed, which has eliminated it from two waterbodies. Continued (but significantly reduced) funding is needed to further control and eradicate it and prevent impacts on water quality and flood risk.	Environment Agency	Calder and Colne Rivers Trust Don Catchment Rivers Trust Canal and River Trust	Long 2011 and onwards	£100,000 For one year	Yes Grant-in-Aid Water Environment Improvement Fund
3C(viii). 'B-line' pollinator project for the uplands	New	Part of a national project to link the UK's best and biggest wildflower rich habitats / areas. It will protect and enhance habitats for pollinators e.g. bees and other wildlife and link them as a network through restoring and creating wildflower-rich areas. It includes an £80,000 project to start delivering the B-Line from Leeds to Lancaster which passes through the South Pennines / South Yorkshire Dales.	Bug Life Yorkshire Dales Millennium Trust	Canal and River Trust Others	TBC	£80,000 Leeds to Lancaster project	No Project initiation and development costs required
3C(ix). Urban Buzz Leeds	Current	Project to work closely with local communities in Seacroft / Halton Moor to create a minimum of 21 ha of new connected pollinator habitat.	Leeds City Council Bug Life		Short 2017 - 2019	£180,000	Yes
3C(x). Living Landscapes	Current	Work towards a joined up Yorkshire, linking nature reserves with areas of ecological importance through nature corridors, such as rivers and verges and hedgerows.	Yorkshire Wildlife Trust		TBC	TBC	TBC
Strategic processes and proposals							
3C(xi). Canal corridors – ongoing management and enhancement	Current	The Canal and River Trust will continue its core role to enhance, manage and maintain canals and other watercourses under its stewardship, and to engage people and promote enjoyment of them. As this is a large scale day job role it is not detailed as a project.	Canal and River Trust	n/a	n/a	n/a	n/a
Priority 3D: Create a green and blue infrastructure rich City Region cycle route network							
Projects							
3D(i). Cycle City: Sowerby Bridge to Stubbings Wharf (Rochdale Canal)	Current	Improved towpaths to multi-user grade to support access to heritage, environment, work and leisure.	West Yorkshire Combined Authority	Canal and River Trust	Short 2018	£1.25 million	Yes Department for Transport

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
3D(ii). Cycle City: Sowerby Bridge to Hollas Lane (Calder and Hebble Canal)	Current	Improved towpaths to multi-user grade to support cycling and access to heritage, environment, work and leisure.	West Yorkshire Combined Authority	Canal and River Trust	Short 2018	£295,000	Yes Department for Transport
3D(iii). Cycle City: Huddersfield to Milnsbridge (Hudds Narrow Canal)	Current	Improved towpaths to multi-user grade to support access to heritage, environment, work and leisure	West Yorkshire Combined Authority	Canal and River Trust	Short 2018	£765,000	Yes Department for Transport
3D(iv). Cycle City: Airedale Greenway (Leeds and Liverpool Canal)	Current	Improved towpaths to multi-user grade to support cycling and access to heritage, environment, work and leisure	West Yorkshire Combined Authority	Canal and River Trust	Short 2018	£570,000	Yes Department for Transport
3D(v). Integrate all existing cycle routes into strategic infrastructure mapping tool	Current	Incorporation of cycle routes within Combined Authority online strategic networks mapping tool (resource to include shapefile layer).	West Yorkshire Combined Authority	Local authorities	Short 2017 – 2018	Person time	Yes
Strategic processes and proposals							
3D(vi.) Develop Local Cycling and Walking Infrastructure Plans, which incorporate green and blue infrastructure where possible	Current	Every West Yorkshire local authority will develop future cycle network plans supported by appointed consultants and incorporate green and blue infrastructure where possible.	West Yorkshire Combined Authority	Local authorities	Short 2018 – 2019 For plans Long for delivery	TBC	Yes For consultant support and plans
3D(vii). Develop vision and map for the City Region green and blue infrastructure rich cycle route network and raise awareness of plans and existing routes	Current	The Strategy includes the goal of an approximately 400 mile green and blue infrastructure rich cycle route network that connects the major towns and cities in City Region. This will build on and connect local level routes and identify and fill gaps to create a network that combines functionality, attractiveness and safety; integrate with cycle planning work in areas of City Region outside of West Yorkshire and combine on-road and off-road routes. Producing and promoting an illustrative cycle route network map will assist integration with new developments and support cross-boundary activity.	West Yorkshire Combined Authority	Local authorities	Short 2018 onwards For illustrative network map	Person time Led by the Combined Authority	No
3D(viii). Declassify minor routes to create new green corridors	Proposed	As part of ongoing highway network reviews, explore and exploit potential to consider	Local authorities	West Yorkshire Combined Authority	Ongoing	Person time	n/a

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		declassification of roads to create new green corridors / cycle routes.					Existing local authority resources
Strategic processes and proposals to drive long-term actions across Priority 3							
3SP(i). Build green and blue infrastructure into Inclusive Growth Corridor proposals		Green and blue infrastructure can make an important contribution to the Inclusive Growth Corridors concept and proposals being developed as part of the LIIS. Work will be carried out to exploit this potential by integrating green and blue infrastructure into how Inclusive Growth Corridors are defined and into specific proposals.	West Yorkshire Combined Authority	TBC	TBC	TBC	TBC
Cross references – projects under other priorities that strongly support this priority							
<p>This Priority connects most strongly to the following action areas in other parts of this Delivery Plan:</p> <ul style="list-style-type: none"> • Priority 2, Action Areas A and B: that focus on incorporating green and blue infrastructure into development proposals and flagship schemes. That should include cycle and walking routes, Green Streets principles and utilise and support river, canal and wildlife corridors. • Priority 4, Action Area A: the creation of a wider green and blue infrastructure network which includes green and blue infrastructure transport corridors (cycle, walking, road, rail, canal, river and wildlife) should be part of. • Priority 4, Action Area C: utilisation of green and blue infrastructure to promote physical activity – safe and attractive cycle and walking routes are often a foundation of this. • Priority 5, Action Area B: deliver specific Green Streets urban tree planting / woodland creation projects (many of which will link to highway, cycle and walking route proposals). • Priority 7, Action Areas A and B: there will be considerable business, employment, work experience and apprenticeship opportunities in delivering green and blue infrastructure transport schemes and corridor improvements. • Priority 7, Action Area D: green and blue infrastructure corridors support an environment that is attractive for talent, investors and visitors; while major cycling events help boost interest in, and infrastructure for, cycling. 							

Table 4. Priority 3 delivery plan

Priority 3 headline outcome

1,000 miles of green and blue infrastructure rich corridors, including canals, rail, road, and a 400 mile City Region cycle route network.

Subsidiary performance indicators

- Miles of green and blue infrastructure built into all West Yorkshire Transport Fund and Combined Authority funded schemes (or hectares where schemes are area based).
- Miles of designated green and blue infrastructure rich cycle routes built and increasing usage over time.
- Number of eco=stations built (new build or retrofit)
- Miles of enhanced river, canal and wildlife corridors.

Notes

A Combined Authority review is underway of how priorities of the Strategy are incorporated into Combined Authority scheme delivery, including the development of tools to support infrastructure consideration, appraisal of benefits and mechanisms to retrofit green and blue infrastructure into current or planned schemes.

5. Priority 4: Heighten community access to and enjoyment of green and blue infrastructure

Table 5 below sets out the actions that have been identified to deliver on Priority 4 of the Strategy. For more information on Priority 4 and its strands of action please refer to the Strategy document which accompanies this Delivery Plan.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 4A: Identify, protect and enhance a high quality green and blue infrastructure network							
Projects							
4A(i). Brotherton Ings habitat creation	Current	Improvements to land adjacent to Fairburn Ings RSPB reserve to create habitat for birds and pollinators.	Highways England		Medium 2017 - 2020	£175,000	Yes Highways England Designated Fund
Strategic processes and proposals							
4A(ii). Complete a stocktake of how far local green and blue infrastructure networks are identified and policies to protect, enhance and provide access to them	Current	Complete a stocktake of how far local green and blue infrastructure assets and networks are identified and mapped in Leeds City Region local authorities, and of the policies (notably planning policies) that are in place or under development to protect, enhance and provide access to them. This will support the follow-on identification of a City Region wide network and any good practice policies and align with work under action 1C(v).	Leeds City Council	All City Region local authorities West Yorkshire Combined Authority	Short 2018	Person time	Yes Officer from Leeds City Council allocated to coordinate
4A(iii). Review local planning policies on green and blue infrastructure networks and access to them and seek to ensure high quality and access standards everywhere	Planned	Identify a cross-local authority group with ownership and expertise in planning policy and green and blue infrastructure; hold a first meeting to consider the stocktake results (see 4A(i)) and to identify and take forward a long term process to ensure high quality and access standards for green and blue infrastructure networks (in line with target of everyone within approximately 1km of a high quality green and blue infrastructure network). To be aligned with work under action 1C(vi).	Leeds City Council	All City Region local authorities West Yorkshire Combined Authority	Short 2018	Person time	n/a
4A(iv). Map and communicate the Leeds City Region wide green and blue infrastructure network	Proposed	Pull together local mapping and mapping based on wider assets such as green and blue infrastructure corridors (see Priority 3), areas of woodland, designated landscapes, etc. to produce a city region green and blue infrastructure network map that can be used to both present the network overall, and to	West Yorkshire Combined Authority	Local authorities Natural England Canal and River Trust Environment Agency	Short 2018	Person time	n/a

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		drill down to show local assets and different types of green and blue infrastructure assets.		Yorkshire Water			
4A(v). Develop robust programme assurance and appraisal of green and blue infrastructure in scheme delivery	New	Ensure the West Yorkshire Combined Authority assurance and appraisal processes include consideration of safeguarding and enhancing green and blue infrastructure networks. To include reference to green and blue infrastructure Strategy goals and related metrics / outputs within scheme appraisal templates.	West Yorkshire Combined Authority	n/a	Short 2018 to revise processes then ongoing	Person time Combined Authority resourcing to input into appraisal process	No
4A(vi). Raise awareness of green and blue infrastructure network and link to local and City Region strategy and policies	New	Strategy awareness raising programme, including engagement with senior officers, linked to relevant policy hooks.	West Yorkshire Combined Authority	Local authorities	Short 2018 - 2020	Person time Utilising existing Combined Authority resources	n/a
4A(vii). Research mechanisms to reduce ongoing revenue liability from green and blue infrastructure assets	New	Develop an approach for reducing ongoing revenue liability related to green and blue infrastructure as this is considered a barrier to its development. Communicate any good practice identified and factor into the business cases of new green and blue infrastructure schemes.	TBC	TBC	Short 2018 – 2020	TBC Possible consultant project	No
Priority 4B: Address gaps in access to green and blue infrastructure, especially in areas of poor health and deprivation							
Projects							
4B(i). Leeds – street audits and community engagement	Current	Living Streets have been commissioned to work with communities in Holbeck and Lincoln Green. Residents and local community groups will get together to walk their local streets and review what's good and what could be improved (which could include green and blue infrastructure). The audit will be submitted to Leeds City Council for review and action.	Living Streets	Leeds City Council	Short 2018	£7,000 per street audit (approximate)	Yes
Strategic processes and proposals							
4B(ii). Map / analyse access to green and blue infrastructure against health and deprivation and plan and prioritise enhancements	New	This is a proposed action to be carried out once the City Region and local green and blue infrastructure networks are identified. It involves firstly overlaying GIS mapping of the network with data on deprivation and health	TBC	TBC	TBC	TBC	TBC

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		indicators and then planning local green and blue infrastructure / access improvements in response. The lead partners and mechanism for this need to be identified linked to processes on green and blue infrastructure and planning policy (see Priority 2B).					
4B(iii). Wakefield Planning and Health	Current	Project to develop and roll out tools e.g. HIA for Spatial Planning, and influence policies e.g. leisure, recreation and open space, Local Plan, Playing Pitch Strategy, to ensure the planning system optimises the use of green and blue infrastructure as a means to improve health and wellbeing, in particular in areas of poor health and deprivation.	Wakefield MDC	TBC	Ongoing	TBC	TBC
4B(iv). Leeds - Access to green and blue space	Ongoing	Key issue for priority 1 percent neighbourhoods and 10 percent most deprived areas of Leeds (details of this approach to be developed).	Leeds City Council	Community Environment Forums	TBC	TBC	TBC
Priority 4C: Promote physical activity that utilises green and blue infrastructure							
Projects							
4C(i). Desmond Family Canoe Trail	Current	Delivery of cross country canoe trail along the Leeds and Liverpool and Aire and Calder Navigation from Liverpool to Goole (with a significant section within Leeds City Region).	Canal and River Trust	n/a	Medium To 2020	£1 million Total value, not all to be spent in the City Region	Yes Desmond Trust
4C(ii). Wakefield District - Story Walks	Current	Themed walks in the district's country parks, based on stories including bestselling children's books and specially commissioned works, intended to encourage families with young children to participate in physical activity.	Wakefield MDC	Friends of Newmillerdam Country Park	Short 2015 – 2019	£210,000	Yes
4C(iii). Wakefield District - Trim Trails Project	Current	Development of Trim Trails (outdoor fitness equipment) and associated access improvements (footpaths) at three parks in the District.	Wakefield MDC		2015 – 2018	£200,000 (estimate)	Yes
4C(iv). Wakefield District – Promote park use, health walks and cycling	Current / Planned	Activities include planned use of Sprytar smartphone app to promote physical activity in parks; volunteer led health walks (including Nordic walking); and cycle rides to encourage use of the District's cycle routes.	Wakefield MDC	Wakefield District Cycle Forum	Short Up to 2019 Varies by project	Less than £50,000	Partial

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
4C(v). Leeds Urban Bike Park	Current	Develop a community hub building, outdoor trails and tracks from beginners to advanced levels; with links to woods, wider park area and other cycle routes and paths.	Leeds City Council (Cycle Pathways)	Other Leeds City Council departments Voluntary / Community Groups British Cycling Sport England	Short Opens in 2018	TBC	Yes
4C(vi) Leeds - Health and wellbeing centre – Inner East area of Leeds (site tbc)	Planned	New health and wellbeing site to be developed in Inner East area of Leeds – focus on links to the outdoors central to the project, i.e. Wyke Beck green corridor and opportunities for walking and cycling; looking to include new bike hub.	Leeds City Council (Active Leeds)		Medium Opens 2020	TBC	Partial Secured for building, gaps in funding for outdoor connectivity
4C(vii). Leeds - University of Leeds Rowing Centre	Current	Open – a base for community and student use. Performance pathway focus re: rowing	Leeds University Rowing Club		Ongoing	n/a	Yes
4C(viii). Leeds - Programmes of activity to bring activities to green and blue infrastructure	Current	Includes activity from programmes such as Leeds Let's Get Active (walking, use of parks for activity delivery), GO Tri Events in support of the world Tri series, and Activator Programmes.	Leeds City Council (Active Leeds)		Medium Leeds Let's Get Active to 2020		Yes
4C(ix) Playing Fields, Tadcaster Rd.	Planned	Creation of eight football pitches on land adjacent to the A64 and Tadcaster Road, in conjunction with community sports club and the FA. In part to replace pitches being lost to development.	City of York Council	Bishopthorpe White Rose FC	Short 2018/19 then ongoing	£450,000	Yes City of York Council
4C(x). Poppleton cricket pitch	Planned	Creation of a cricket pitch and football pitches on the outfield on Millfield lane, to replace the former British Sugar pitches.	City of York Council	Local sports clubs Associated British Foods	TBC	£350,000	Yes Developer contribution
4C(xi) Park Runs across City Region that encourage / enable running and exercise	Current	Over 20 separate 5km Park Runs held in parks across the City Region every Saturday, with over 5,000 people taking part each week. These encourage running (or walking) for people of every ability, including those wanting to get fit. They are organised by volunteers and enabled by local parks.	Volunteers / Park Run UK	Local authorities Private sponsors	Ongoing	n/a	Yes Private sector sponsorship and volunteer time
Strategic processes and proposals							

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
4C(xii). Leeds - whole systems approach to embedding physical activity in a place	Current	A system wide, multi-agency, cross sector approach to addressing the barriers and enablers to people leading more active lives. It includes better linkages and connections; including with the physical environment and access / use of green and blue infrastructure; particularly in reaching priority neighbourhoods and communities.	Leeds City Council (Active Leeds and Public Health Teams)	Other LCC departments Sport England Sport Leeds Leeds Beckett University	Long Ongoing	TBC	Partial For initial pre systems research and some funding for Inner South and New Wortley areas
4C(xiii) Kirklees Integrated Wellness model	Planned	Integrated health improvement service that will help people find solutions to the things that determine their health, create supportive environments, support behaviour change, be community focused, and promote the use of parks / green spaces to increase physical activity.	Kirklees MBC		TBC 2018 onwards	£1.6 million	Yes
Priority 4D: Connect children, young people and schools to green and blue infrastructure							
Projects							
4D(i). Trees for Learning - pilot	Current	Work with primary schools and local groups to involve children in planting 20,000 trees in school grounds or local green spaces and learning about trees and their benefits.	White Rose Forest Partnership	Schools Local groups DEFRA	Medium 2017 – 2020	£160,000	Yes DEFRA Million Trees project
4D(ii). Trees for Learning – a tree per child	New	Lobby / plan to extend the pilot (4D(i)) long term so that every child in the City Region plants a tree and gains associated learning.	White Rose Forest Partnership	Schools Local groups DEFRA, Woodlands Trust Private Sponsor	Long 2021 to 2036	TBC	No Seek private sponsorship and national funding
4D(iii). Promote Forest Schools and other activities that get children outdoors	Current	Run Forest Schools and other activities that connect children and young people to nature and the outdoors and build their confidence and skills.	Forest Schools	National Trust Scouts movement Natural England Activity Centres Local authorities	Ongoing	n/a	Yes Activity dependent, usually self-financing
4D(iv). Encourage outdoor and environmental education	Current	Local authorities to promote resources such as Countryside Classroom to local schools to help teachers find resources, places to visit and school support relating to food, farming and the natural environment.	Local authorities	Schools	Short 2018/19 onwards	Person time	n/a

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
4D(v). Water based, natural play at RSPB St Aidans	Planned	To develop water based, natural play activities for families at RSPB St Aidans. This will be in the form of a mini flood plain with fun but educational activities focused on issues such as water conservation and flood plain management.	RSPB	Yorkshire Water	Short 2018/19 onwards	£40,000	No But submission for Landfill Tax Grant
Priority 4E: Enhance green and blue infrastructure in recuperative and care settings to aid wellbeing and recovery							
Projects							
4E(i). Wakefield District - Community Garden Project	Current	Establish district wide community garden offer providing opportunities for physical activity, healthy food production and rehabilitation and recovery. Two allotments / gardens currently in operation with another planned to be opened in 2018/19.	Wakefield MDC	National Citizenship Scheme The Princes Trust Day Opportunities Wild about Wakefield	Medium 2015 – 2020	TBC	TBC
Strategic processes and proposals							
4E(ii). Leeds Health and Care Plan	Planned	Prevention Strand - Ensure the design, planning and development of the NHS and Social Care infrastructure supports and enables staff, patients and service users and visitors to become more active, based around active travel, green space, estates planning and workforce.	Leeds City Council (Public Health Team)	NHS organisations (Sustainable Transformation Programme West Yorkshire)	TBC	TBC	TBC
Strategic processes and proposals to drive long-term action across Priority 4							
4SP(i). Establish a green infrastructure and health programme		Stage a green and blue infrastructure and health event / seminar to build awareness, ownership of this agenda and provide the inspiration to act. Follow up with establishment of a green and blue infrastructure and health programme involving local authority Directors of Public Health and other partners.	Local authority DPH network	TBC	TBC	TBC	TBC
Cross references – projects under other priorities that strong support this priority							
<p>This Priority connects most strongly to the following action areas in other parts of this Delivery Plan:</p> <ul style="list-style-type: none"> • Priority 2, Action Areas B and C: planning policies and flagship developments that incorporate green and blue infrastructure will be important tools in extending the green and blue infrastructure network and access to it. • Priority 3, Action Areas A, B, C and D: transport (including walking and cycling) corridors, rivers, canal and wildlife corridors will be important parts of the green and blue infrastructure network, and valuable assets for health, education and wildlife. 							

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
<ul style="list-style-type: none"> • Priority 5, Action Areas B and C: woodlands will be valuable parts of the green and blue infrastructure network and assets for health, leisure and education. Tree planting and educational content in Priority 4D will also contribute to Priority 5. • Priority 6, Action Area A: good condition, accessible uplands will be part of the green and blue infrastructure network and a great resource for health. • Priority 7, Action Areas A, B and C: there will be business, work and apprenticeship opportunities from the green and blue infrastructure network, and educational and health promotion benefits based on it, as well as inclusion benefits from promoting access to the network from deprived communities, for example through improved health and wellbeing. • Priority 7, Action Area D: the green and blue infrastructure network will make the City Region attractive for talent, investors and visitors, and promotion of this asset can increase use of, and benefit from, it. 							

Table 5. Priority 4 delivery plan

Priority 4 headline outcome

Everybody in easy reach (1 km) of an outstanding and diverse green and blue infrastructure network

Subsidiary performance indicators

- Area / extent and quality of green and blue infrastructure network (development work required to define this).
- Number of children involved in planting trees / learning, and number of trees planted.
- Percent of people using outdoor space for exercise / health reasons.
- Percent of physically inactive adults and children.

6. Priority 5: Plant and manage more trees and woodland

Table 6 below sets out the actions that have been identified to deliver on Priority 5 of the Strategy. For more information on Priority 5 and its strands of action please refer to the Strategy document which accompanies this Delivery Plan.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 5A: Develop a White Rose Forest Plan							
Projects							
5A(i). Monitor tree cover	Planned	Carry out a digital tree canopy survey to give base tree cover data by end 2018. Repeat in 2027.	Kirklees MBC	Leeds City Council Highways England Woodlands Trust Blue Sky Limited	Short 2017/18 Long 2027	£24,000 For baseline	Secured Leeds Flood Alleviation Scheme 2 Highways England Woodlands Trust
Strategic processes and proposals							
5A(ii). Review White Rose Forest Partnership and Joint Venture agreement	Planned	Widen and embed the White Rose Forest Partnership via an updated Joint Venture agreement and secure all key agencies as partners.	Kirklees MBC White Rose Forest Steering Group	White Rose Forest partner and targeted new members	Short 2018 - 2019	Person time Legal and partner input	Partial
5A(iii). Communicate and market the White Rose Forest vision	New	Market / communicate the vision of a White Rose Forest and increased tree cover to build community and partner support.	White Rose Forest Partnership	All White Rose Forest partners	Short 2018 onward	Person time Led by leaders and partners	No Work needed to identify sponsor
5A(iv). Establish White Rose Forest groups in each local authority	Planned	Local authorities to help establish and host a White Rose Forest group for each District (as per Directors of Development recommended action) to create a long-term pipeline of sites / projects in each District.	Local authorities	Directors of Development to review progress	Short 2018 (June)	Person time	Yes
5A(v). Develop and agree the White Rose Forest Plan	Planned	Produce and agree a document including maps and site details, analysis of how to hit the tree cover target, and agreed partnership and processes - all based on individual District Plans. (NB White Rose Forest Plan currently in existence and being revised).	White Rose Forest	All White Rose Forest partners	Short 2018/19 onwards	Person time	Yes

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 5B: Plant and manage large-scale new woodland							
Projects (Landscapes for Water¹⁰)							
5B(i). Wessenden Valley	Planned	100 hectares of native oak woodland with up to 200 hectares of heathland. Scheme will deliver natural flood management mitigation measures within the upper catchment including increased woodland cover, run off attenuation measures and land management changes. It will reduce long-term flood risk and provide local and wider benefits.	National Trust	Kirklees MBC Yorkshire Water Natural England Woodlands Trust White Rose Forest Colne Valley Tree Society West Yorkshire Combined Authority DEFRA iCASP	Medium 2017 – 2020	£2.2 million Combined total for Gorpley, Wessenden and Hardcastle Craggs	Partial £1.3 million secured from Local Growth Fund for the three sites.
5B(ii). Gorpley	Planned	65 hectares of woodland, 50 hectares peatland restoration and 15 hectares of heathland and up to 200,000 trees. Scheme will deliver natural flood management mitigation measures in the upper catchment including woodland cover, run off attenuation measures and land management changes. It will reduce long term flood risk and provide local and wider benefits.	Yorkshire Water But will transfer to Woodland Trust	Woodland Trust Yorkshire Water Environment Agency Calderdale MBC The Source Partnership White Rose Forest West Yorkshire Combined Authority DEFRA Treesponsibility	Medium 2017 – 2020		Application submitted for £900,000 for countryside stewardship for Gorpley and Wessenden
5B(iii). Hardcastle Craggs	Proposed	The project will deliver a range natural flood management mitigation measures within the upper catchment, including increased woodland cover, run off attenuation measures and land management changes.	National Trust	West Yorkshire Combined Authority White Rose Forest	Medium 2018 – 2020		Partial As above, plus Calderdale Flood Partnership funding and

¹⁰ Woodland and associated habitat creation projects typically in rural areas and prioritised for natural flood management

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
							£100,000 from National Trust
5B(iv). Ogden Water	Planned	Nine hectares of native woodland.	Woodland Trust	Yorkshire Water Calderdale MBC DEFRA	Short 2018 – 2019	£50,000	TBC
5B(v). Small Schemes Woodlands for Water	Planned	Approximately 10 hectares per year across Aire and Calder catchment and Harewood and Wetherby Wards.	Woodland Trust	The Source Partnership Forest of Bradford Partnership Treesponsibility Colne Valley Tree Society Leeds City Council	TBC	TBC	Yes
5B(vi). Flood risk in rapid response catchments	Current	Land management measures such as tree planting and leaky dams, focused on Upper Calder and Marsden Moor catchments. Works closely with local authorities and community groups, who will deliver the work.	Treesponsibility	Environment Agency White Rose Forest	Long 2011 – 2025	£100,000	Partial Local levy
5B(vii). Dales Woodland Restoration Programme	Current New	A longstanding programme to create new native woodland in the Yorkshire Dales National Park (over 1,000 ha in last 10 years). New target will be at least 400 ha over five years.	Yorkshire Dales National Park Authority	Forestry Commission Yorkshire Dales Millennium Trust Woodlands Trust	Short 2013 – 2018 Long 2018 – 2023	£3 million £2.5 million	Yes (for current) Partial for new 20 percent, but rest dependent on WGS or other funds
Projects (Green Streets¹¹)							
5B(viii). Urban forestry in Bradford and Leeds	Current	Deliver emerging urban forestry schemes in Bradford and Leeds. In Leeds, this includes urban woodland (13,500 trees) in Belle Isle and partnership with the Woodland Trust to promote appreciation of Street Trees.	Leeds City Council Bradford MDC	Trees for Cities, Forest of Bradford Partnership Groundwork	Short 2017 – 2019	£65,000 Leeds TBC Bradford	Yes in Leeds, including Trees for Cities TBC in Bradford
5B(ix). Dewsbury Country Park	Planned	Deliver Dewsbury Country Park – 20,000 trees across the 80 hectare site.	Kirklees MBC	Trees for Cities, Trust for Conservation Volunteers	Ongoing	£500,000 (TBC)	TBC Trees for Cities and Woodlands

¹¹ Urban tree planting / woodland creation projects

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
				Woodlands Trust			Trust identified as possible source
5B(x). Engage with organisations with significant potential sites and roles	Current	Work with bodies including DEFRA, other Northern Forest community partnerships, private landowners and farmers to identify and secure sites.	White Rose Forest Steering Group	All White Rose Forest Partners	TBC	TBC	TBC
Strategic processes and proposals							
5B(xi). Landscapes for water collaboration to identify sites and projects	Current	Collaborate with Yorkshire Water and the National Trust to proactively identify sites, opportunities and schemes for forest habitat network creation based on natural flood management works across the Yorkshire Water and National Trust estate.	Yorkshire Water National Trust	Kirklees MBC on behalf of White Rose Forest partners	Long 2018 onward	Person time	Yes
5B(xii). Landscape appraisal to support M62 corridor Green Streets approach	Current	Work with Highways England to develop landscape appraisal of M62 corridor from Liverpool to Hull and develop Green Streets approach with Transport for the North across Northern Forest.	Highways England	White Rose Forest Northern Forest Steering Group	TBC	TBC	No
Priority 5C: Integrate tree planting and woodland across the Strategy							
Strategic processes and proposals							
5C(i). Integrate tree planting and woodland across this Strategy	Current	Engage with partners across all priorities of this Strategy to ensure trees and woodland are integrated into planning and delivery of actions.	White Rose Forest	White Rose Forest Partners Lead partners for other priority actions	Ongoing 2018 onwards	Person time	Partial
Cross references – projects under other priorities that strongly support this priority							
<p>This Priority connects most strongly to the following action areas in other parts of this Delivery Plan:</p> <ul style="list-style-type: none"> • Priority 1, Action Area B: major projects in this priority that involve woodland planting and natural flood management measures will also support Priority 1 goals, for example natural flood management and flood risk reduction. • Priority 2, Action Areas B and C: planning policies on green and blue infrastructure in development and flagship local schemes are expected to bring action additional tree coverage. • Priority 3, Action Areas A, B, C and D: there are strong cross-linkages to Green Streets design and to tree planting in transport corridors, and to enhancement of river / canal / wildlife corridors. • Priority 4, Action Area A: areas of woodland will be an important part of the green and blue infrastructure network for people and habitats. • Priority 4, Action Area D: White Rose Forest led Trees for Learning projects are a prominent element of work in this action area to connect children, young people and schools to green and blue infrastructure. • Priority 6, Action Areas A and B: many of the large woodland schemes in Priority 5 are in the uplands and their integrated nature will support land management and peat restoration goals. • Priority 7, Action Areas A, B and C: tree and woodland planting will bring about opportunities for businesses, employment, work experience, volunteering and skills development. 							

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
<ul style="list-style-type: none"> • Priority 7, Action Area D: planting and management of trees and woodland will help make the City Region a more attractive place and enhance its quality of life offer, profile and tourism potential. 							

Table 6. Priority 5 delivery plan

Priority 5 headline outcome

Create a White Rose Forest and increase tree cover by more than a third (anticipated to equate to three million trees planted and tree canopy cover increasing to over 10 percent).

Subsidiary performance indicators

- Percentage tree cover (and area that corresponds to).
- Number of trees planted.
- Number of children / young people who have planted a tree.
- Woodland carbon capture.

7. Priority 6: Restore the uplands and manage land sustainably

Table 7 below sets out the actions that have been identified to deliver on Priority 6 of the Strategy. For more information on Priority 6 and its strands of action please refer to the Strategy document which accompanies this Delivery Plan.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 6A: Restore peatlands as part of integrated upland management							
Projects							
6A(i). MoorLIFE 2020 peatland restoration programme	Current New	Major upland peat restoration project for South Pennine and Dark Peak SSSI (SAC) to restore degraded moorland habitat and deliver multiple benefits – water quality, biodiversity, natural flood management and climate change mitigation. Involves restoring heavily eroded moorland, gully blocking, re-vegetating sphagnum moss and woodland regeneration. Securing future core funding will enable Moors for the Future to continue to deliver moorland restoration and associated benefits, and to lead development of new natural flood management projects in the five areas surrounding the South Pennines SAC.	Moors for the Future Partnership	Environment Agency Yorkshire Water Other partners	Medium / Long 2012 - 2020 Follow on sought	€16 million	Yes to 2020 €12 million EU LIFE and private partners No after 2020 Partnership match of more than £250,000 needed as contribution to core costs
6A(ii). Yorkshire Peat Partnership	Current New	Aimed to restore 50 percent (35,000 ha) of Yorkshire's blanket bog by 2017. Currently running five year peat restoration projects funded by LIFE and Natural England agri-environment schemes.	Yorkshire Wildlife Trust	Yorkshire Dales National Park Authority North Yorkshire Moors National Park Authority Natural England Yorkshire Water National Trust	Medium / Long LIFE and agri-environment schemes until 2020	Person time Project team	Yes Bids currently in to DEFRA's peatland fund 2018 No significant funding post 2020
6A(iii). Pennine Peat Partnership	Current	Aiming to create at least 50ha of 'OM4a' habitat blanket bog from the most degraded moorland across the Pennines. Peatland restoration will involve revegetation, gully blocking and will benefit water quality, flood risk and biodiversity.	Durham County Council	Environment Agency Yorkshire Wildlife Trust United Utilities Northumbrian Water	Long 2015 – TBC	£6 million	Yes EU LIFE
6A(iv). Yorkshire Water SSSI Recovery Project	Current New	Peatland and moorland restoration of Yorkshire Water SSSI estate	Yorkshire Water	Natural England Moors for the Future	Medium / Long 2015 – 2020 and onwards for extension of project	£3 million	Yes To 2020 Subsequent depends on Ofwat Price

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
							Review for 2020 – 2025
Strategic processes and proposals							
6A(iv). Future Peatland Restoration Plan	New	Link partners and initiatives across the Leeds City Region to map, plan, prioritise and secure funding for post 2020 peatland restoration in line with the Strategy target. To include utilisation of Defra Carbon Peat Fund bids.	Moors for the Future Yorkshire Peat Partnership Natural England	Multiple cross-sector	Long 2018 onwards	TBC	n/a
Priority 6B: Promote sustainable agriculture and countryside stewardship							
Projects							
6B(i). Upper Nidderdale Landscape Partnership	Current	A four year landscape partnership conserving and enhancing the landscape.	Nidderdale AONB	Heritage Lottery Fund	Short 2014 – 2018	£1.8 million	Yes Heritage Lottery Fund
6B(ii). South Pennine Leader Programme 2015 – 2020	Current	A delivery mechanism for funding from the Rural Development Programme for England (RDPE). It uses local knowledge to promote integrated bottom up, community-led delivery of part of the RDPE funding.	Pennine Prospects	RPA	Medium Ends 2020	£1.3 million	Yes
6B(iii). Upper Aire land management project	Current	Two year programme to improve land management (soil compaction), woodland planting, natural flood management, etc. Covers Aire catchment above Riddlesden.	Yorkshire Wildlife Trust	Environment Agency Yorkshire Dales National Park Authority	TBC	TBC	Yes
6B(iv). Countryside Stewardship Scheme (CS)	Current	A national Common Agricultural Policy (CAP) funded DEFRA scheme which provides financial incentives for land managers to look after their environment through activities such as: conserving wildlife, flood risk management, woodland creation and management, historic landscape and educational access.	Natural England Forestry Commission	Facilitation Fund	Medium Until 2020		Yes Agreements starting 2016 and 2017
6B(v). Environmental Stewardship	Current	Financial incentives for land managers to look after their environment through activities such as: conserving wildlife, flood risk management, woodland creation and management, historic landscape and educational access. Closed, but some support continues to 2025. Currently 600 land	Natural England Forestry Commission		Long Closed but some 5 to 10 year awards extend to 2024	Approximately £10 million per year In City Region overall, approximately circa £4	Yes

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
		agreements covering 170,000 ha in 2017, to reduce by circa 12 percent per annum.				million per year in uplands	
6B(vi). Facilitation Funds to work with groups of farmers to identify landscape scale measures to improve land management / natural flood management	Current	Upper Wharfe - 16 farmers	Yorkshire Dales River Trust	Yorkshire Dales National Park Authority	Medium Ends 2020	£20,000 per year	Yes
	Current	South Pennines - 80 farmers	South Pennine Moors		Medium Ends 2022	£50,000	Yes
	Current	Ribblesdale – 25 farmers	Yorkshire Dales Millennium Trust	Yorkshire Dales National Park Authority	Medium Ends 2020	£18,500 per year	Yes
	Current	Swaledale - 20 farmers	Dales Farmer Network	Yorkshire Dales National Park Authority	Medium Ends 2020	£20,000 per year	Yes
	Current	Wensleydale – 34 farmers	Yorkshire Dales National Park Authority	Yorkshire Dales River Trust	Medium Ends 2020	£20,000 per year	Yes
6B(vii). South Pennine Leader Programme 2015 – 2020	Current	A delivery mechanism for funding from the Rural Development Programme for England (RDPE). It uses local knowledge to promote integrated bottom up, community-led delivery of part of the RDPE funding.	Pennine Prospects	RPA	Medium Ends 2020	£1.3 million	Yes
6B(viii). Upland Payment by Results pilot scheme	Current	Two year national pilot project to trial a new agri-environment support scheme based on payment by results on 19 farms in Wensleydale.	Yorkshire Dales National Park Authority		Short To 2018	£350,000	Yes
	New	Extension of pilot for a further three years to monitor impacts and increase range of habitats / species payment options.	Natural England		Medium Ends 2021	£300,000	No
6B(ix). National Trust Payment for Outcomes project	Current	Trial of a whole farm outcomes payment scheme' involving five National Trust tenants.	National Trust	Yorkshire Dales National Park Authority	Short 2018	£80,000	Yes
6B(x). Twite Recovery Project	Current	Species recovery programme for South Pennine population, provides advice and support in managing meadows and grassland for breeding and feeding.	RSPB	Natural England Yorkshire Water	Short To 2018	n/a	Yes Natural England
6B(xi). Project Fungi	New	To improve / maintain rare Waxcaps which present in the South Pennines (working group set up to develop delivery approach).	TBC	TBC	TBC	Circa £50,000	No Needs project initiation and

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
							development costs
Strategic processes and proposals							
6B(xii). Yorkshire Water - Beyond Nature	Planned	Adopt an ecosystem services approach to the Yorkshire Water farmed estate.	Yorkshire Water		Long 2017 onwards	n/a	No External funding required
Strategic processes and proposals to drive long-term action across Priority 6							
6SP(i). Influence agricultural and environmental policy / support from DEFRA (new scheme mechanisms)		Agree preferred options for policy and mechanisms to provide agricultural and environmental benefits post Brexit, including for the uplands and in relation to natural capital and ecosystem services. Make the case for these, lobby government and link to devolution proposal if relevant.	Local Nature Partnerships and non-governmental organisations currently developing thinking	New Upland Alliance group – including farmers, landowners, and others	Long Up to new post Brexit system in early 2020s	n/a	n/a
Cross references – projects under other priorities that strongly support this priority							
<p>This priority connects most strongly to the following action areas in other parts of the Delivery Plan:</p> <ul style="list-style-type: none"> • Priority 1, Action Area B: peat restoration, sustainable agriculture and land management will assist flood risk reduction, water quality and often includes natural flood management measures. • Priority 4, Action Area A: upland areas that are important for people and wildlife will be part of the green and blue infrastructure network. • Priority 5, Action Areas A, B and C: woodland projects in the uplands and on farmland included in Priority 5 of this Delivery Plan will also support this priority. • Priority 7, Action Areas A, B and C: upland restoration and sustainable agriculture / land management will create opportunities for business, employment, work experience, volunteering and skills. • Priority 7, Action Area D: upland restoration and sustainable land management will help make the City Region a more attractive place and enhance its quality of life offer, profile and tourism potential. 							

Table 7. Priority 6 delivery plan

Priority 6 headline outcome

Treble the proportion of Yorkshire Blanket Bog peatlands in good (favourable or recovering) condition to 50 percent or more.

Subsidiary performance indicators

- Area of blanket bog and moorland restored or enhanced.
- Area of active blanket bog in good condition.
- Maintained threshold numbers of Special Protection Area bird populations.
- Viable farms.

8. Priority 7: Business growth, jobs, skills and education

Table 8 below sets out the actions that have been identified to deliver on Priority 7 of the Strategy. For more information on Priority 7 and its strands of action please refer to the Strategy document which accompanies this Delivery Plan.

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Priority 7A: Help green and blue infrastructure businesses to prosper							
Projects							
7A(i). Identify the size of the green and blue infrastructure sector in Leeds City Region	New	This project will provide better understanding of the green and blue infrastructure sector in the City Region by defining the sector and estimating output and employment within it using the Regional Econometric Model (REM). The analysis will be overseen by a steering group and linked to skills issues.	West Yorkshire Combined Authority	iCASP (other partners TBC)	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Research and Intelligence Team)	n/a
7A(ii). Identify areas of skills shortages across the green and blue infrastructure sector in Leeds City Region	New	This project will follow on from 7A(i) above and address gaps in understanding of skills shortages in the green and blue infrastructure sector by producing an employment / skills profile that identifies skills deficiencies and likely future skills requirements. It will be overseen by the same steering group as 7A(i) above.	West Yorkshire Combined Authority	iCASP (other partners tbc)	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Research and Intelligence Team)	n/a
Strategic processes and proposals							
7A(iii). Identify opportunities that arise across this Delivery Plan for green and blue infrastructure based businesses.	New	The array of green and blue infrastructure delivery measures in this Delivery Plan will create significant opportunities for businesses to develop and grow, or to start up. The Combined Authority will identify the nature and timescales of these opportunities and communicate them to business through a range of channels. Longer term, the Combined Authority will seek to include green and blue infrastructure criteria in the procurement specifications for relevant City Region projects.	West Yorkshire Combined Authority	TBC	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Research and Intelligence Team))	n/a
Priority 7B: Create work experience, employment and apprenticeship opportunities based on green and blue infrastructure							
Projects							

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
7B(i). Identify green and blue infrastructure relevant apprenticeship standards and develop new standards where required	New	Apprenticeship standards have been developed for the skills, knowledge and behaviours required in many specific occupations, some of which may relate to green and blue infrastructure. This project will identify those standards that are relevant to green and blue infrastructure, make green and blue infrastructure based businesses aware of them and encourage them to take on apprentices. It will also identify potential occupations where new apprenticeship standards are required.	West Yorkshire Combined Authority	TBC	Medium 2 – 5 years Dates TBC	Person time West Yorkshire Combined Authority (Policy Officer and Skills Service - TBC)	No Possible potential through apprenticeship levy
7B(ii). Identify organisations with corporate volunteering programmes	New	Many large organisations have corporate volunteering programmes and may be able to support / deliver actions across this Delivery Plan and demonstrate their CSR credentials through doing so. The Combined Authority will identify such organisations and their requirements for provision of volunteering opportunities, linked to green and blue infrastructure opportunities. This will be complementary to (not in conflict with) the activities of 3 rd sector organisations who already work with corporate volunteering programmes, and will feed into 7B(iii) below.	West Yorkshire Combined Authority	Groundwork (other partners TBC)	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Policy Officer)	n/a Led in-house by the Combined Authority (Economic Policy Section)
7B(iii). Identify and publicise the green and blue infrastructure volunteering / work experience opportunities that arise across this Delivery Plan	New	The Combined Authority will identify where volunteering and work experience opportunities arise from actions within this Plan and can help to deliver them. This will involve working with lead organisations for relevant actions to determine how best to provide opportunities. The opportunities will be publicised through Combined Authority communication channels with those organisations identified in 7B(ii) targeted.	West Yorkshire Combined Authority	TBC	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Policy Officer)	n/a Led in-house by the Combined Authority (Economic Policy Section)
7B(iv). Develop a volunteer matching service	New	This longer-term project would look to establish a pilot project that matches businesses / organisations with green and blue infrastructure volunteering / work experience opportunities. If successful, there is potential for this to be widened to other sectors.	West Yorkshire Combined Authority	TBC	Medium 2 – 5 years Dates TBC	Person time West Yorkshire Combined Authority (Policy Officer)	No (Funding is required; EDRF or its replacement is one possible source)

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
7B(v). Develop a pilot green and blue infrastructure volunteering scheme	New	Across the Delivery Plan there are multiple projects which could support and benefit from volunteering activity. This project will look to integrate volunteering activity into one of the Delivery Plan projects and provide a model to other organisations on how to integrate volunteering activity into projects. It will engage with organisations delivering key projects e.g. Environment Agency, Woodlands Trust, local authorities) to determine their appropriateness to pilot the approach.	West Yorkshire Combined Authority	TBC	Medium 2 – 5 years Dates TBC	Person time West Yorkshire Combined Authority (Policy Officer)	n/a Development to be delivered in-house by Combined Authority (Economic Policy Section). Delivery is TBC
7B(vi). Embed green and blue infrastructure volunteering opportunities into West Yorkshire Combined Authority procurement	Proposed	This project will seek to embed green and blue infrastructure-based volunteering (or work experience) opportunities across Combined Authority procurements where there is a green and blue infrastructure element to the scheme. It will work closely with officers project managing the delivery of schemes to ensure the integration of volunteering does not impact on required deliverables.	West Yorkshire Combined Authority	n/a	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Policy Officer)	n/a Led in-house by the Combined Authority (Economic Policy Section; Project Managers; Procurement)
Priority 7C: Connect green and blue infrastructure to innovation, education and skills							
Projects							
7C(i). Develop an understanding of City Region University green and blue infrastructure-related specialisms	Proposed	There is a lack of understanding of green and blue infrastructure-related specialisms within the Higher / Further Education sector in the City Region. This project will plug this gap and feed the results to the Access Innovation team to allow them to make SMEs aware of the expertise that they could potentially access.	iCASP (University of Leeds)	West Yorkshire Combined Authority Other higher / further education establishments	Short Less than two years, dates TBC	iCASP	Yes iCASP, plus other sources TBC
7C(ii). Raise awareness of the Access Innovation project with green and blue infrastructure related SMEs	New	Access Innovation provides support for businesses to develop new products / processes, and will match SMEs with specialist expertise in relevant research organisations. This action will promote Access Innovation (as well as other innovation support) to organisations that are delivering green and blue infrastructure projects, and provide leads for the Innovation Growth Managers to follow up.	West Yorkshire Combined Authority	TBC	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Policy Officer)	n/a Led by the Combined Authority (Economic Policy and Economic Services)

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
7C(iii). Develop a mechanism for identifying new green and blue infrastructure innovation opportunities	New	This project will establish mechanisms to allow the wide breadth of innovation opportunities (focused on green and blue infrastructure) to be captured in one place to make it easier for businesses / organisations to access. Innovation opportunities will need to be published on an appropriate platform and be updated at regular intervals.	West Yorkshire Combined Authority	TBC	Medium 2 – 5 years Dates TBC	Person time West Yorkshire Combined Authority (Policy Officer and Economic Services)	n/a
7C(iv). Promote the Skills Service to green and blue infrastructure related businesses	Proposed	The Skills Service supports SMEs through free, comprehensive skills assessment; longer-term skills planning; sourcing appropriate training provision; and ensuring a business is well placed to apply for skills funding. This action will make green and blue infrastructure related businesses aware of this support. It will initially target SMEs who are delivering actions in this Delivery Plan. Action will utilise Skills Service promotional materials and the outcomes of 7A(iii) where specific businesses are identified.	West Yorkshire Combined Authority		Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Policy Officer and Skills Service (TBC))	n/a Resource is via existing Skills Service provision
7C(v). Investigate how and if green and blue infrastructure related businesses can be Enterprise Advisors	Proposed	The Enterprise Advisor Network equips young people with employability skills and supports and inspires career aspirations. It connects senior leaders in businesses and schools, influences the school's career and enterprise strategy, and gives students access to employers. This project will identify business leaders across this Delivery Plan who would like to act as Enterprise Advisors and link them to the team leading the Network.	West Yorkshire Combined Authority	TBC	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Policy Officer and Economic Services / Skills Service (TBC))	Yes Enterprise Advisor Network
7C(vi). Student and PHD placements across this Delivery Plan	New	Green and blue infrastructure actions will present opportunities for student and PHD placements where a research element can be linked to existing and planned activity. This project will identify appropriate projects and develop proposals with the relevant institution for student placements and PHDs.	West Yorkshire Combined Authority	Higher / Further Education institutions	Short Less than two years, dates TBC	Person time West Yorkshire Combined Authority (Policy Officer) Higher / Further Education Institutions (TBC)	TBC Mainly requires officer / academic time but some placements may require funding
7C(vii). Strengthen collaboration with Higher / Further Education	Proposed	This project will build strong links to green and blue infrastructure knowledge and expertise within City Higher / Further	West Yorkshire Combined Authority	Higher / Further Education institutions	Short	Person time West Yorkshire Combined	n/a

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
Institutions on green and blue infrastructure		Education Institutions e.g. via the iCASP programme, with a view to applying this in real projects. Collaboration could involve placements (7C[vi]); providing awareness of funding and consultancy opportunities and the opportunity to bid for work; inviting Higher / Further Education Institutions representatives onto project steering groups; seeking feedback on City Region projects, and providing letters of support that align with Combined Authority aims. Universities would also provide the same information to the Combined Authority.			Less than two years, dates TBC	Authority (Policy Officer) Higher / Further Education Institutions (TBC)	
Priority 7D: Make great green and blue infrastructure central to City Region promotion, profile and tourism							
Strategic processes and proposals							
7D(i). Fully utilise green and blue infrastructure assets in enhancing perceptions of the City Region and promoting tourism here	Current	Continue to incorporate Leeds City Region's green and blue infrastructure assets and offer into how it is marketed as a great place to live, work and invest, and in the promotion of the tourism. This will include highlighting green and blue infrastructure assets across the city region in tourism and marketing materials and messages, and holding events (e.g. cycling, triathlon) that show off green and blue infrastructure assets and raise awareness of them.	Welcome to Yorkshire	Local authorities Tourism businesses Arts and sports bodies	Ongoing	Existing tourism and promotional budgets	Yes
Strategic processes and proposals to drive long-term action across Priority 7							
7SP(i) Make the case for green and blue infrastructure within Economic Strategy, including on treating green and blue infrastructure industries as a key sector, skills, work and place based actions.	New	Make the case for the Leeds City Region Local Inclusive Industrial Strategy (LIIS) to identify green and blue infrastructure as a key strand. This should include treating green and blue infrastructure industries as a key sector (i.e. access to any benefits that flow from key sector status such as access to business / skills support). Additionally, make the case for the LIIS and local economic strategies to incorporate, support and utilise the full range of green and blue infrastructure opportunities, including for skills, employment, physical development, health and inclusion.	West Yorkshire Combined Authority	Local authorities Economic agencies	Short onwards Influence 2018/19 LIIS then ongoing	Person time	n/a
Cross references – projects under other priorities that strongly support this priority							

Action	Status	Summary description	Lead body	Other partners	Timetable	Resource	Funding
<p>This Priority is based on maximising the economic opportunities that are presented across this Delivery Plan, for example business, work and skills development opportunities within water management and natural flood management projects, woodland and habitat creation, sustainable farming and land management, creating and maintaining cycleways and footpaths, and in designing and delivering green and blue infrastructure into major development schemes. Innovation, productivity, living standards / quality of life and inclusive growth benefits will stem from capturing these opportunities.</p>							

Table 8. Priority 7 Delivery Plan

Priority 7 headline outcome

Growth in green and blue infrastructure based businesses, jobs and apprenticeships that outstrips the average City Region growth rates for other sectors.

Subsidiary performance indicators

- Number of people entering jobs, work experience and apprenticeships in green and blue infrastructure based roles and organisations (metrics to be defined).

Appendix A: Notes on codes used in the Delivery Plan

TBC	To be confirmed (the relevant data is not yet available or could not be secured during the Delivery Plan process).
n/a	Not applicable (that data field is not relevant to the action in question).
Project Status	
Current	Project has already commenced and is continuing at least into 2018.
Planned	Project developed and ready to start or highly likely to happen. Funding / resources either at least partially secured or very likely to be approved.
Proposed	Project idea worked up in reasonable detail and a process is seeking to move it forward; resources / approval uncertain and need to be secured.
New	Need and concept for a project is identified, but a project or policy needs to be worked up and resources identified and secured.
Lead body	Is the main organisation that will drive the action.
Partners	Are other organisations with a role in delivery.
Timetable definitions	
Short	Up to 2019
Medium	Between 2020 and 2022
Long	Beyond 2022
Ongoing	Continue indefinitely
Resources	
Person time	Time required rather than securing funding
Finance	All sums are rounded
Funding secured	Indicates whether the required resource has been secured in full (yes), in part (partial) or not at all (no). Details of the relevant funding or the position of a funding application are also noted for some projects.