

Appendix 7

Schedule of Potential Green Infrastructure Projects

Schedule of Potential Green Infrastructure Projects

Appendix 7

Project Name	Ref.
Norwich Urban Area Projects	
Mapping Accessible Green Networks	U1
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Green Grid Strategy for Norwich	U3
Norwich Crossings & Bridges – Whitlingham (Phase 1)	U4
The Wensum River Parkway, Norwich	U5
The South Norwich Cycle Loop	U6
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Norwich Crossings & Bridges – Whitlingham (Phase 2)	U8
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Promoting Use of Rivers for Transport	U10
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Greater Norwich Area-Wide Thematic Projects	
Green Infrastructure in School Grounds Grant Aid	T1
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Reedbed	N12
Misotrophic Lakes	N13
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Declare more LNRs	N17
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Integrated Green Infrastructure Information Service	N20
School Grounds Improvement Project	N25

SHORT-TERM POTENTIAL GREEN INFRASTRUCTURE PROJECTS**NORWICH URBAN AREA PROJECTS**

Project Name	Mapping Accessible Green Networks				
Reference No	U1				
Map Ref	1				
Project Aims	<p>Mapping/masterplan accessible green and blue networks – mapping of community links to help to identify and remove barriers to efficient pedestrian/cyclist/ movement; including circular routes which take into account specific destinations e.g. schools, parks/rivers & riverside walks. It will support the completion of a Green Ways/Red Ways/Pink Ways network throughout the city (as a pilot) and to link to the rivers (Blue Ways). The work will link heavily to the delivery of these elements of the Local Transport Plan and there will be extensive community involvement in developing a streamlined network of accessible links to complete a spatial network and support LTP priorities.</p> <p>The project would ultimately provide a range of information via many formats – including 5 strategic multi-media information points in the city at Mousehold, Catton, Whitlingham & Earlham & a central point at the Castle; a ‘welcome pack’ from existing to new residents providing a ‘guide’ to continuous routes/links between and through the open spaces in the city; interactive ‘local’ information, stories etc.</p>				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norwich City Council (in partnership with Norfolk County Council and The Norwich Fringe Project)				
Contact for working up	Mary McHugh				
Linked Directly to Growth?	Yes				
Pilot Projects?	Northern Gates				
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£150k				
Criteria Met (GI Strategy)	2A	3B	4A	5A	5F
	2B	3D	4B	5B	5G
			4C	5C	5H
			4D	5D	5I
			4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				

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Comments	Starting from the city – addressing existing population/regeneration, particularly urban, but also relevant through suburban & rural areas.
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Project Name	Children’s Play Study																								
Reference No	U2																								
Map Ref	2																								
Project Aims	Pilot/workshops – ‘how children play’ and therefore develop how best to provide flexible areas for play that contain a variety of challenges, co-ordinated right across the GNDP area. Also extending to all suburban/urban/rural areas.																								
Priority for Implementation	Short term (1-3 years)																								
Lead Delivery Agency	Norwich City Council																								
Contact for working up	Mary McHugh																								
Linked Directly to Growth?	Yes																								
Pilot Projects?	Playbuilder projects? Environmental play?																								
Delivery Mechanism/ Funding Sources	Public																								
Estimated Funding Costs	£30k																								
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	3A	4A	5A	5F	3B	4B	5B	5G	3C	4C	5C	5H	3D	4D	5D	5I		4E	5E			4F		
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Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People																								
Comments																									

Project Name	Green Grid Strategy for Norwich
Reference No	U3
Map Ref	3
Project Aims	<p>This project aims to develop a co-ordinated vision of how a network of multifunctional green and blue spaces connected by a grid of sustainable links can be delivered across the area. To include guidance and best practice examples and a Cycling Action Plan. This project would aim to deliver:</p> <ul style="list-style-type: none"> • Biodiversity enhancements • Greening movement corridors/gateway enhancements (tree lined boulevards) • Sustainable transport needs (public transport and cycling/walking routes)

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Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norwich City Council				
Contact for working up	Mary McHugh				
Pilot Projects?	Northern gates				
Linked Directly to Growth?	Yes				
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£100k				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design				
Comments					

Project Name	Norwich Crossings and Bridges – Whitlingham (Phase 1)
Reference No	U4
Map Ref	4
Project Aims	This project aims to provide a pedestrian and cycle link including bridge over the River Yare and an un-manned ferry across the River Wensum, providing access to the Whitlingham Country Park from the Thorpe area/the City. This project would improve quality of life (e.g. access to open space) and community well being, and improve health.
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	Norwich City Council in partnership with Norfolk County Council, South Norfolk DC, Sustrans and the Broads Authority.
Lead Delivery Agency	Norwich City Council
Contact for working up	Mary McHugh
Pilot Projects?	
Linked Directly to Growth?	Yes

Delivery Mechanism/ Funding Sources	Combination of public and private Match-funding available through sustrans Connect 2 allocated			
Estimated Funding Costs	£1.75m			
Criteria Met (GI Strategy)	1A 1B 2A 2B	4A 4B 4C 4D 4E 4F	5A 5B 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People			
Comments				

Project Name	The Wensum River Parkway, Norwich
Reference No	U5
Map Ref	5
Project Aims	<p>A project to regenerate, make more accessible and promote the Wensum River corridor through Norwich and out to Whitlingham, link the Marriots Way and Wherryman’s Way long distance foot and cycle paths. This project aims to examine the feasibility of developing the unifying concept of a River Parkway, an interlaced blue and green spine for the City stretching up both banks of the Wensum from the River Yare/Whitlingham Country Park to the river’s highest tidal point at New Mills. The Parkway would comprise a linear cultural space free to all to enjoy, narrowing to a foot and cycle path in places, then widening out to green spaces and meeting grounds. The Parkway concept could provide significant social/cultural, environmental and economic gains to Norwich, and become a unifying theme at the heart of the City to underpin future regeneration. The Parkway would focus on:</p> <ul style="list-style-type: none"> • Completing the riverside walkways on both banks • Providing enhanced signage, interpretation and public art along the riverside • Developing a tree planting strategy and maintenance plan • Improving the management, presentation, accessibility and interpretation of historic sites along the riverside <p>Specific project components will include:</p> <ul style="list-style-type: none"> • VR model completion • Refresh of the 2007 strategy • Additional signage/waymarking • Art components (with Jarrolds and NUCA) • Wildlife/ecology elements • Business development component with City College • Physical regeneration works • A 1 year fixed term project development post to secure sustainable, on going project funding

	<ul style="list-style-type: none"> • Baseline Study • Monitoring measures <p>To provide a key component for green infrastructure for movement, recreation, cultural contextualisation and ecology at the heart of the Growth point</p> <p>Continuation of a package of proposals flowing from works funded by GNDP/HEART/NCC and already substantially delivered. Proposals not dependent upon approval processes and ready to go</p> <p>Outputs; 4-5 km of more intelligible, regenerated urban walking space; 4-5 km of wildlife/ecology corridor; catalytic impact of regenerated corridor on vacant brownfield sites; leverage potential from private funders; greater connectivity for existing routes; enhanced introduction to City (e.g. walk in from station)</p> <p>Outcomes; Higher levels of inner urban leisure activity; higher levels of walking and therefore fitness/wellness; educational benefits; ecological benefits; economic return to local businesses from tourism activity; higher levels of developer investment</p>
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	Norwich HEART in partnership with the Norwich Society, Broads Authority and Norwich City Council
Contact for working up	Michael Loveday michaelloveday@heritagecity.org 01603 305575
Pilot Projects?	
Linked Directly to Growth?	The project sits within the core of the Green Infrastructure Network of the Growth Point, specifically linking the Marriott's Way and Wherryman's Way long distance foot/cycle paths but more generally providing a 'green spine' connecting to a wide array of green links thereby providing sustainable transport links, an ecological bridge and a very central urban leisure resource. As significantly, a regenerated Parkway, providing an intelligible and attractive axis through the City, will create an important catalyst for economic regeneration on brownfield sites along the banks of the Wensum.
Delivery Mechanism/ Funding Sources	£210,000 sourced HEART, Norwich City Council, Norwich Society, Environment Agency, Jarrolds/Arts & Business
Estimated Funding Costs	£410,000 (Study; £50,000, Implementation Works;£360,000)

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Criteria Met (GI Strategy)	1A 1B 2A 2B	3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	HEART and the Norwich Society propose to facilitate a stakeholder launch in the autumn to establish business and financial support for the project. It is hoped that the profile raising aspects of previously completed works, allied to the funding for this phase will be sufficient to create leverage from the business community to at least match the GNDP contribution from the current bid. Additionally, we hope to develop inputs from the UEA, City College and NUCA to create practical opportunities based around the Parkway.				

Project Name	The South Norwich Cycle Loop
Reference No	U6
Map Ref	6
Project Aims	<p>This project aims to masterplan developing a South Norwich Cycleway Loop, a clearly recognisable signposted route to facilitate movement on cycle and by wheelchairs/mobility scooters. The Loop would run from the Sustrans National Cycle Route 1 at Hellesden Bridge, to pass south of the Norwich urban area skirting the Yare Valley, to rejoin the National Cycle Route 1 in the vicinity of Whitlingham Country Park. The South Norwich Cycleway Loop would:</p> <ul style="list-style-type: none"> • Provide a connection with other the urban and rural cycleways that provide access to the City Centre (e.g. via Newmarket Road Cycleway, The Lakenham Way) and to the surrounding countryside into the Valley (e.g. via the Hellesden Cycleway) • Connect with, or link to, the existing public green spaces and parks such as Bowthorpe South Park, Earlham Marshes, Earlham Park, University Campus, Eaton Park, Eaton Common, Marston Marsh. • Encourage cycling as a means of accessing the various green spaces/points of interest along the Yare Valley, accessing the Whitlingham Country Park and accessing the Wensum River Parkway • Create opportunities for residents of Norwich and of the southern fringe of Norwich to travel by cycle or wheelchair/mobility scooter to key employment, educational, cultural, recreational and shopping destinations – such as the Hospital, UEA Sportspark, Norwich Research Park, UEA, and Sainsbury Centre. Tescos (Harford Bridge), Waitrose (Eaton),

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	shops at Fiveways. <ul style="list-style-type: none"> Enhance Norwich as a destination for cycle tourism by providing ready access from the National Cycle Route 1 to UEA and the Sainsbury Centre and to the City centre <p>Much of this Cycleway is already in existence, but sections of the route need to be provided with off-road routes or be otherwise improved. There are a number of possible routes that would be examined by a feasibility study.</p>																								
Priority for Implementation	Short term (1-3 years)																								
Lead Delivery Agency	Norwich City Council in partnership with South Norfolk DC, Norfolk County Council and The Yare Valley Society.																								
Contact for working up	Mary McHugh																								
Pilot Projects?																									
Linked Directly to Growth?	Yes																								
Delivery Mechanism/ Funding Sources	Combination of public and private																								
Estimated Funding Costs	£50k																								
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>1A</td> <td>4A</td> <td>5A</td> <td>5G</td> </tr> <tr> <td>1B</td> <td>4B</td> <td>5B</td> <td>5H</td> </tr> <tr> <td></td> <td>4C</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2A</td> <td>4D</td> <td>5E</td> <td></td> </tr> <tr> <td>2B</td> <td>4E</td> <td></td> <td></td> </tr> <tr> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	4A	5A	5G	1B	4B	5B	5H		4C	5D	5I	2A	4D	5E		2B	4E				4F		
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2A	4D	5E																							
2B	4E																								
	4F																								
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design																								
Comments	Linked to green/blue networks																								

Project Name	City Centre Community Gardens
Reference No	U7
Map Ref	7
Project Aims	<p>This project aims to:</p> <ul style="list-style-type: none"> Develop community gardens within urban areas(e.g. King Street area) Enhance communities in or near the city centre particularly for visitors Green the city centre Re-use brownfield land as green infrastructure Create green corridors into and through city centre
Priority for Implementation	Short term (1-3 years)
Lead Delivery	Norwich City Council in partnership with the Norwich City Centre

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Agency	Residents Forum				
Contact	Mary McHugh				
Pilot Projects?					
Linked Directly to Growth?	Yes				
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£100k - £500k				
Criteria Met (GI Strategy)	1B	3B 3D	4B 4C 4D 4E 4F	5A 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design				
Comments	Linked to wooded ridge and New Church Gardens BAP habitat projects suggested				

Project Name	Churchyards Health & Heritage Walks
Reference No	N3
Map Ref	
Project Aims	<p>Churchyards Health & Heritage Walks around churches in the Northern City Centre, linking to churches across the river to provide a circular route. The project will include similar techniques to Northern Gates project (e.g. marked distances; guided health walks; seats; signage; enhanced environment and removal of barriers to access).</p> <p>Enhance medieval churchyards (with assistance from existing community groups) and link together (cf Northern Gates - techniques etc.) to demonstrate benefits of recreational health walking. Heritage and biodiversity connectivity within the city core; highlighting the few places still retaining a haven of tranquillity; increasing access to natural setting in an urban environment (inc health benefits). A discovery route for existing & new residents of 'hidden' places in Norwich which are so often overlooked, focusing on linking the most famous assets of Norwich & epitomising a heritage-led regeneration.</p> <p>Currently there is a demand for longer health walk routes. This project will establish these routes and mark them in a permanent way to enable independent use, based on the expertise of Health Walk co-ordinators. The existing Health Walks programme has demand in this area but is constrained by the lack of permanent markers en route (the temporary markers used at the moment are not robust enough in a city centre environment).</p> <p>Outputs; 2.5 km of marked walking route – depending on final route decision Information provided for leaflets as part of Norfolk County Council's roll-out of Health Walks programme;</p> <p>Outcomes; Increased number of people participating in Health Walks; The Norwich Fringe Project has recorded on their database 2,000 people who have participated in Health Walks over the last year. This project will provide better links between under-used areas of open spaces. Initiation of a programme of self-guided walks</p> <p>Phase 1 is a stand-alone project which brings its own separate benefits. It is however, an initial step in building up a wider network of multi-functional open space</p>
Priority for Implementation	
Lead Delivery Agency	Norwich City Council Andy Watt – AndyWatt@norwich.gov.uk 01603 213511 (with Norwich Fringe Project (particularly Health Walks); church groups such as Norwich Historic Churches trust; Probation Service; local volunteer groups; Norwich School;

	HEART;www.walkit.com; Norfolk net walking)
Contact for working up	Mary McHugh, George Ishmael and Andy Watt, Norwich City Council
Pilot Projects?	
Linked Directly to Growth?	<p>Strategically necessary to provide linked and sustainable green /open space access & infrastructure. Taking advantage of Norwich’s position at the hub of growth area. The schemes identified here (see also Northern Gates network & Riverside Walk) are in the northern sector of the city and as such may be associated with the Council’s support of NNDR</p> <p>Northern City Centre Action Plan <i>(p18) 3.2.1 Vision for the area – ‘...a distinctive identity, including a developing strength in locally based cultural and arts activities, and a safe and attractive public environment that encourages people to walk and cycle around the area...., serving the wider suburban areas of North Norwich, while providing excellent accessibility by all modes of transport both for movements from that catchment area and for movements within the wider city centre;</i> <i>(P62) 4.6.3 Consultation...showed broad support for the improvement of the green link network through the area. Local links will be formed to create continuous habitats between the area and the river corridor, major open spaces (e.g. Mousehold Heath) and open countryside. This approach links to the strategy for the protection and extension of open space.</i> <i>(P63) 4.6.6...important that ... access to [open spaces] is easy and clear from the pedestrian network and green links through the areas. They should be a key element of the design of new development and be overlooked by uses that are active...</i></p>
Delivery Mechanism/ Funding Sources	Assumption that additions to the network will be largely funded by developer contributions. S106 (e.g. St Mary’s Works; Jarrold’s printing works, agreed in principle but not yet) secured
Estimated Funding Costs	A first phase (to establish a basic way-marked route) could be carried out for £55k Further phases (to further enhance the individual churchyards and to extend the route) could be funded by s106 contributions from developers Total: £100,000 +
Criteria Met	
Key Themes Supported	
Comments	Length -c 2.5 km a circular route Connected to Joint Core Strategy Consultation and proposals for North City Action Plans; community forum work; The proposal is based on the experience of the increasing demand for the existing Health Walks programme

Project Name	Lakenham Common: Phase 1
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Reference No	N4A
Map Ref	
Project Aims	<p>Applicant details: Norwich City Council; South Norfolk Council; Norwich Fringe Project</p> <p>Lead Contact/Project Manager: George Ishmael – Norwich City Council; Matt Davies – Norwich Fringe Project</p> <p>Location of the project: land formerly known as Harford Tip, Hall Rd/Ipswich Rd, Norwich. The site was formerly the main municipal dump for Norwich as well as taking waste from further afield.</p> <p>Description of the project: A project with 3 strands to provide a new element of multifunctional green infrastructure to the south of Norwich:</p> <ul style="list-style-type: none"> - Phase 1: Providing public access to the western end of the main tip site, from the closed section of Old Hall Road, with associated publicity and signage for the new facility for adjacent communities at Tuckswood and Lakenham. The access provides a route to a previously closed section of the River Yare, with opportunities for a jetty/slipway to launch kayaks - providing links with the Wensum and Tas valleys downstream. Creation of a section of footpath along the river that skirts the site to the southwest, to the edge of the capped tip, to provide a hint of a potential country park for the site in the future. The scheme includes the re-alignment and design of fences to the landfill site, until future phases are agreed and completed. An element of the project is for the design of information panels to explain the history of the landfill site, the nature of what was tipped over the years, the background to the capping project 20yrs ago, and the current arrangements for waste treatment. <p>Requirement for the project: providing access to the Yare valley in an area of planned growth, with linkages to the countryside to the south of Norwich for the existing communities to the south of Norwich. Potential for links to the Tas Valley and Caistor Roman Town/Whitlingham Country Park beyond.</p> <p>Ownership of the project land: Norwich City Council Council (which has been monitoring the site since capping in 1990/91). NCC searched for and found no signs of radioactivity (the waste had of course been lead-wrapped). The capping method was nevertheless designed bearing all these issues in mind to minimise risk. Since capping, the tip has been monitored for landfill gases and the river has been monitored for leachate contamination. Landfill gases have not escaped from the tip but, within the tip, levels have been very high but are now starting to decrease. The next gas monitoring will take place in September. NCC also owns the site adjacent to the main landfill area, where Phase 1 works are planned, where fences are maintained to secure the site from trespass.</p> <p>Details of landowner permission: initial discussions offer no issues regarding permissions/consents. Infrastructure present at</p>

	<p>site entrance, as the basis for works undertaken during both Phase 1 and subsequently. Proposed scheme addresses regular management issues relating to trespass/stock grazing.</p> <p>Current use of the project land: fenced grassland and woodland (with regular public trespass) with annual inspection of vents. Other than monitoring the site has been left alone since capping. The public have been prevented from accessing the tip due to the high levels of landfill gas that are vented via boreholes around the periphery of the site. The key principles of managing the site are not to penetrate the capping layer in any way - tree roots, foundations, general damage and to prevent standing water - ponds, depressions, wear and tear of the surface.</p> <p>Predicted costs and amount of funding sought: £15k for Phase 1 - opening the site (fencing & gates; vegetation management at site entrances; signage; interpretation & publicity) and constructing sections of footpath leading to and along a short length of the banks of the River Yare.</p> <p>Proposed timescales: Autumn 2009 for creation of public access to the western end of the site. interpretation on the former use of the site; construction of an access platform for launching craft onto the river; creation and improvement of linkages to adjacent communities via Old Hall Road.</p> <p>Details of project partners: Yare Valley Society; Residents Forum; Norwich City Council; Norwich Fringe Project</p>																														
Priority for Implementation	Short term (1-3 yrs) – Autumn 2009 onwards																														
Lead Delivery Agency	Norwich City Council with the Yare Valley Society; Residents Forum; Norwich City Council; Norwich Fringe Project and South Norfolk Council																														
Contact for working up	George Ishmael – Norwich City Council; Matt Davies – Norwich Fringe Project																														
Pilot Projects?																															
Linked Directly to Growth?	Indirect link but impact over longer term																														
Delivery Mechanism/ Funding Sources	S106 match funded																														
Estimated Funding Costs	£15k for Phase 1																														
Criteria Met	<table border="0"> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3B	4B	5B	5G		3C	4C	5C	5H	2A	3D	4D	5D	5I	2B		4E	5E				4F		
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1B	3B	4B	5B	5G																											
	3C	4C	5C	5H																											
2A	3D	4D	5D	5I																											
2B		4E	5E																												
		4F																													
Key Themes Supported	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes																														

	Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design
Comments	Linked to green/blue networks

Project Name	Riverside Walk – Oak Street (footbridge & path connecting Wensum Park to Anderson’s Meadow)
Reference No	N27
Map Ref	
Project Aims	<p>Riverside Walk – Oak Street, Wensum Park and along the river. A footbridge & path connecting Wensum Park to Anderson’s Meadow Identified in North City Centre AAP as an alternative river crossing to encourage walking</p> <p><i>4.4.12 ...An alternative crossing point exists to the north of the plan area (near Dolphin Bridge), which would provide access to Anderson’s Meadow via an improved riverside walk on the east bank from Bakers Road through Wensum Park. It is more likely that funding will be available for this alternative crossing point through the Greater Norwich Growth point funding</i></p> <p><i>4.6.3 There are local opportunities for the riverside walk to be extended to the west of Oak Street and for establishment of new green links and improvement of existing ones throughout the area. Green links are multi-functional and can provide attractive cycle and pedestrian networks, promoting healthy lifestyles and sustainable movement. Local links will be formed to create continuous habitats between the area and the river corridor, major open spaces (eg Mousehold heath) and open countryside. This approach links to the strategy for the protection and extension of open space.</i></p> <p>Currently there is a demand for longer health walk routes, extending beyond existing schemes within Wensum Park to Andersons Meadow. This project will improve the route linking these two sites and completing a missing section of the riverside walk. This project will establish these routes and mark them in a permanent way to enable independent use, based on the expertise of Health Walk co-ordinators.</p> <p>Outputs; 300 m of connected walks – which will enable accessibility to wider Riverside Walk Half hectare of area of riverbank improved for wildlife</p> <p>Outcomes; Increased number of people participating in Health Walks; The Norwich Fringe Project has recorded on their database 2,000 people who have participated in Health Walks over the last year. This project will extend better links between open spaces and the riverside. Initiation of a programme of self-guided walks</p>

	<p>Strategically necessary to provide linked and sustainable green /open space access & infrastructure. Taking advantage of Norwich’s position at the hub of growth area. The schemes identified here (see also Northern Gates and Churchyards Health & Heritage Walks) are in the northern sector of the city and as such may be associated with the Council’s support of NNDR Northern City Centre Action Plan <i>(p18) 3.2.1 Vision for the area – ‘...a distinctive identity, including a developing strength in locally based cultural and arts activities, and a safe and attractive public environment that encourages people to walk and cycle around the area...., serving the wider suburban areas of North Norwich, while providing excellent accessibility by all modes of transport both for movements from that catchment area and for movements within the wider city centre;</i> <i>[4.6.3 - see Question 9. above]</i> <i>(P63) 4.6.6...important that ... access to [open spaces] is easy and clear from the pedestrian network and green links through the areas. They should be a key element of the design of new development and be overlooked by uses that are active...</i></p> <p>This is a stand-alone project which brings its own separate benefits. It is however, an initial step in building up a wider network of multi-functional open space</p>
Priority for Implementation	Short term
Lead Delivery Agency	Norwich City Council Andy Watt – AndyWatt@norwich.gov.uk 01603 213511 (with Norwich Fringe Project (particularly Health Walks); BTCV; Community Forums; Norfolk County Council; www.walkit.com; Norfolk net walking)
Contact	George Ishmael – georgeishmael@norwich.gov.uk – 01603 213520 Mary McHugh - marymchugh@norwich.gov.uk - 01603 213527
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£110,000 This will depend on the specification for the new bridge – could be £80k
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	Length - 300m Connected to Joint Core Strategy Consultation and proposals for North City Action Plans; community forum work; The proposal is based on the experience of the increasing demand

	for the existing Health Walks programme
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NORWICH FRINGE PROJECTS

Project Name	Norwich Fringes Wooded Ridge Project				
Reference No	F1				
Map Ref	1				
Project Aims	This project aims to enhance the wooded ridge around the fringes of Norwich to accentuate a strong visual, historic and ecological landmark to remind the community of the significance of the ridge around Norwich, especially highlighting the north of the city and following a 10-25m contour band. Tree planting and management of existing trees, including street trees, garden trees, boundaries as well as woodland-scale, would be undertaken, following detailed plans, involving communities and engaging with the design stages of new developments would ensure that this setting for Norwich is retained as a prominent feature for future generations.				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norfolk County Council in partnership with Norwich City Council, The Norwich Fringe Project, BTCV and the Forestry Commission				
Contact	Mary McHugh				
Pilot Projects?	One pilot project delivered near 3score site Bowthorpe – linking the rest is longer term				
Linked Directly to Growth?	Yes				
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£250k				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
		3D	4D	5D	5I
			4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife				
Comments	Linked to New Church Gardens BAP habitat projects suggested				

Project Name	Norfolk and Norwich Hospital Health Woods				
Reference No	F3				
Map Ref	3				
Project Aims	This project will create a community health woodland between the Norfolk and Norwich Hospital, the A47 Southern bypass and the new housing development at Cringleford. The project would create a mosaic of woodland, orchard and open space for visitors and				

Schedule of Potential Green Infrastructure Projects

Appendix 7

	patients to enjoy. A modest amount of fresh fruit would also be produced. Overall, there is increasing evidence that such a facility would help reduce patient recovery time and improve the overall environmental quality of the site for the benefit of staff, patients and visitors.				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norfolk County Council in partnership with Norwich City Council, the Primary Care Trust and the Forestry Commission				
Contact for working up	Gerry Barnes, Norfolk County Council				
Pilot Projects?					
Linked Directly to Growth?	Yes				
Delivery Mechanism/ Funding Sources	Public Developer contribution ? SNDC?				
Estimated Funding Costs	£100k				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3D	4C	5C	5H
	2A		4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	Norwich Green Gateways Projects
Reference No	F4
Map Ref	4
Project Aims	This project aims to enhance the environmental quality of the principal transition areas from rural/suburban to urban into Norwich so that major transport gateways into the City have a strong ‘green’ identity. These would include the three major arrival points into Norwich of the airport, the bus station and the railway station. This project would provide a ‘green spine’ linking the airport to the City.
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	Norwich City Council
Contact for working up	Mary McHugh
Pilot Projects?	
Linked Directly to Growth?	
Delivery	Combination of public and private

Mechanism/ Funding Sources	
Estimated Funding Costs	£1-2m
Criteria Met (GI Strategy)	1A 3B 4A 5A 5F 1B 3D 4B 5B 5G 4C 5C 5H 2A 4D 5D 5I 2B 4E 5E 4F
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes
Comments	This could be extended to the wider growth area with two aims; a) to give a green approach from the countryside into Norwich through the areas of growth e.g a 'green avenue to Salhouse Road all the way down beyond Rackheath. b) giving each new settlement defined gateways and focal points e.g village greens or community woods etc

Project Name	Whitlingham Country Park Eastern Cycle Links
Reference No	F5
Map Ref	5
Project Aims	This project aims to improve links for cyclists between Whitlingham Country Park, the Broads and Thorpe St Andrew and Postwick Park and Ride. The project would include improvements to surfaces of existing bridleways to make these suitable for cycling, plus investigation into options for a ferry link into the Whitlingham Country Park including necessary infrastructure and all agreements.
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	South Norfolk DC in partnership with Norfolk County Council, The Boards Authority, Sustrans and the Norwich Rivers Heritage Group
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	Yes
Delivery Mechanism/ Funding Sources	Combination of public and private
Estimated Funding Costs	£100k

Schedule of Potential Green Infrastructure Projects

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Criteria Met (GI Strategy)	1A	4A	5A	5F
	1B	4B	5B	5G
		4C	5D	5H
	2B	4D	5E	
		4F		
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People			
Comments				

Project Name	The Yare River Parkway (Phase 1)
Reference No	F6A
Map Ref	6
Project Aims	<p>This project aims to develop the unifying concept of a River Parkway, a linear country park based on the Yare river corridor between Bawburgh and Whitlingham Country Park. The Parkway would comprise a linear corridor of linked green spaces along both banks of the river. The Yare River Parkway concept would:</p> <ul style="list-style-type: none"> • be considered as a single entity for the management of wildlife, recreation and people movement (for recreation, commuting, shopping visiting etc) on foot, on cycle, and on water • be promoted to raise awareness of its significance and links with residential areas, centres of employment and education, the hospital, local shopping etc, and the surrounding countryside • have a clearly identified spinal walk (e.g. The Yare Valley Way), comprising a continuous off-road link connecting with the various circular walks in the valley and with the urban and rural links • connect with, or link to, the existing open access areas and parks such as Bowthorpe South Park, Earlham Marshes and Earlham Park • link with the proposed Wensum River Parkway at Whitlingham Country Park • be linked with the proposed South Norwich Cycleway Loop • improve the links with local destinations - e.g. the Hospital, Sportspark, Norwich Research Park, UEA, Sainsbury Centre, Caistor Roman town and local superstores • be linked into an adjacent urban and rural network of footpaths and cycleways – such as The Avenues/Cow Lane Cycleway and The Lakenham Way • be a recreational waterway for unpowered boats to extend water activities at Whitlingham Country Park/etc <p>This project includes developing a clearly signposted continuous walk facilitating movement on foot along the Yare Valley between Bawburgh Mill and Whitlingham Country Park. The Yare Valley Walk would:</p> <ul style="list-style-type: none"> • Connect with the various circular walks in the Yare Valley

	<ul style="list-style-type: none"> • Provide a connection with the urban and rural links into the Valley including Boudica's Way and Kett's Way • Connect with, or link to, the existing public green spaces and parks such as Bowthorpe South Park, Earlham Marshes, Earlham Park, University Campus, Eaton Park, Eaton Common, Marston Marsh • Encourage walking as a means of accessing the various green spaces/points of interest along the Valley, accessing the Whitlingham Country Park, accessing the Wensum River Parkway, and accessing the open countryside via such routes as the Boudica's Way on the Tas valley <p>Much of the path is already in existence, but the following key sections of the route remain to be put in place:</p> <ul style="list-style-type: none"> • Bawburgh Mill to Bowthorpe Southern Park • Cringleford Mill to Keswick Mill • Marston Marsh (eastern end) to Harford Bridge • Harford Bridge to Lakenham Bridge • Trowse Bridge to Whitlingham Country Park (possible off-road route incorporated into the Deal Ground Site re-development scheme) <p>Phase 1 - Earlham & Bowthorpe Improve existing links along the Yare Valley walk from Bowthorpe to the UEA and Cringleford. Links that have been identified as being in most need of some form of management or repair work include:</p> <ul style="list-style-type: none"> - The existing path through Earlham Millennium Green. - Improvements to grass path at the Tollgate roundabout, to link Bowthorpe Southern Park to the network of paths that provide access to Chapel Break, Clover Hill and West Earlham. <p>An existing desire line used by people from the road bridge on Tollgate Bowthorpe. Construct a series of wooden steps which would be built by BTCV's mid week volunteer Group involving volunteers from the community, to access the Yare Valley walk on Bowthorpe Marshes</p>
Priority for Implementation	Short term - Autumn 2009 for Phase 1
Lead Delivery Agency	Norwich Fringe project in partnership with Norwich City Council South Norfolk DC, Norfolk County Council and The Yare Valley Society.
Contact for working up	Matt Davies, Norwich Fringe Project
Pilot Projects?	
Linked Directly to Growth?	Yes
Delivery Mechanism/ Funding Sources	Combination of public and private
Estimated	£38,500.00 for Phase 1

Funding Costs					
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	Linked to blue/green networks.				

Project Name	The Yare River Parkway (Phase 2)
Reference No	F6
Map Ref	6
Project Aims	<p>This project aims to develop the unifying concept of a River Parkway, a linear country park based on the Yare river corridor between Bawburgh and Whitlingham Country Park. The Parkway would comprise a linear corridor of linked green spaces along both banks of the river. The Yare River Parkway concept would:</p> <ul style="list-style-type: none"> • be considered as a single entity for the management of wildlife, recreation and people movement (for recreation, commuting, shopping visiting etc) on foot, on cycle, and on water • be promoted to raise awareness of its significance and links with residential areas, centres of employment and education, the hospital, local shopping etc, and the surrounding countryside • have a clearly identified spinal walk (e.g. The Yare Valley Way), comprising a continuous off-road link connecting with the various circular walks in the valley and with the urban and rural links • connect with, or link to, the existing open access areas and parks such as Bowthorpe South Park, Earlham Marshes and Earlham Park • link with the proposed Wensum River Parkway at Whitlingham Country Park • be linked with the proposed South Norwich Cycleway Loop • improve the links with local destinations - e.g. the Hospital, Sportspark, Norwich Research Park, UEA, Sainsbury Centre, Caistor Roman town and local superstores • be linked into an adjacent urban and rural network of footpaths and cycleways – such as The Avenues/Cow Lane Cycleway and The Lakenham Way • be a recreational waterway for unpowered boats to extend water activities at Whitlingham Country Park/etc <p>This project includes developing a clearly signposted continuous walk facilitating movement on foot along the Yare Valley between</p>

	<p>Bawburgh Mill and Whitlingham Country Park. The Yare Valley Walk would:</p> <ul style="list-style-type: none"> • Connect with the various circular walks in the Yare Valley • Provide a connection with the urban and rural links into the Valley including Boudica’s Way and Kett’s Way • Connect with, or link to, the existing public green spaces and parks such as Bowthorpe South Park, Earlham Marshes, Earlham Park, University Campus, Eaton Park, Eaton Common, Marston Marsh • Encourage walking as a means of accessing the various green spaces/points of interest along the Valley, accessing the Whitlingham Country Park, accessing the Wensum River Parkway, and accessing the open countryside via such routes as the Boudica’s Way on the Tas valley <p>Much of the path is already in existence, but the following key sections of the route remain to be put in place:</p> <ul style="list-style-type: none"> • Bawburgh Mill to Bowthorpe Southern Park • Cringleford Mill to Keswick Mill • Marston Marsh (eastern end) to Harford Bridge • Harford Bridge to Lakenham Bridge • Trowse Bridge to Whitlingham Country Park (possible off-road route incorporated into the Deal Ground Site re-development scheme) <p>Phase 2: Carry out a study to:</p> <ol style="list-style-type: none"> 1. Identify the missing links along the length of the Yare Valley walk and develop options with costings for bridging these missing links: 2. Identify opportunities to improve access to the Yare Valley Walk from potential development areas <ol style="list-style-type: none"> a. Identify opportunities to create and designate new country parks and Local Nature Reserves for local communities along the length of the Yare Valley Walk. b. Identify potential extensions of the Yare Valley Walk to include links to the Tas Valley and Wensum River c. Identify potential partners and funding opportunities. d. Produce an action planning with budgets clearly setting out how the results of the study will be implemented
Priority for Implementation	Short term (1-3years)
Lead Delivery Agency	Norwich Fringe project in partnership with Norwich City Council South Norfolk DC, Norfolk County Council and The Yare Valley Society.
Contact for working up	Matt Davies, Norwich Fringe Project
Pilot Projects?	
Linked Directly to Growth?	Yes

Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£50,000.00 for Phase 2				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	Linked to blue/green networks.				

Project Name	Mousehold Heath & Northeast Norwich Heathlands : Phase 1
Reference No	F7A
Map Ref	7
Project Aims	<p>Mousehold Heath is a unique 88ha area made up of woodland, heathland and recreational open space within Norwich. The site has played an important part in the history of Norwich and it is a designated Local Nature Reserve. It is important both for its wildlife and as a place for people to enjoy.</p> <p>Location of the project: A wedge-shaped area of heath and woodland land lying northeast of Norwich city centre, just inside the city ring road leading towards the urban fringes.</p> <p>Site status:</p> <ul style="list-style-type: none"> - Local Nature Reserve - County Wildlife Site - St. Williams Chapel is a Scheduled Ancient Monument - Heathland is a National Biodiversity Action Plan priority habitat <p>The current Norwich Local Plan defines Mousehold Heath as a publicly accessible open space, and local plan policies NE7 and NE8 provide protection for the site's nature conservation and geological interest. The Mousehold Heath Management Plan (2008), which has been adopted by the Mousehold Heath Conservators and Norwich City Council, provides a framework for the management of the site.</p> <p>Description of the project: With new developments proposed to the north east of Norwich, there may be opportunities to re-create heathland over parts of the historic extent of Mousehold Heath, and establish a connecting habitat corridor with the existing Mousehold Heath site. Although the full development of this link might take many years (much of the land concerned is now occupied by built development), the proposal is supported by the Norfolk Biodiversity Partnership and</p>

many of its constituent members (see references).

This project proposal aims to both increase the remaining area of heathland on the existing Mousehold Heath site, and to investigate the possibilities for extending this habitat to the north east of the current site through working with other partners. The two main strands of the project are as follows:

1. Existing Mousehold Heath site

Much of the previously existing heathland habitat at Mousehold Heath has been lost through lack of management leading to scrub encroachment. This strand of the project aims to re-create heathland on areas where it formerly occurred; the emphasis will be on areas capable of being restored to heathland, as identified in the Mousehold Heath Management Plan (2008), on the northern boundaries of the current heathland area. The main objectives will be:

- (i) To extend heathland habitat north-eastwards, in order to eventually link with newly re-created heathland on areas formerly occupied by the historic Mousehold Heath.
- (ii) To increase the overall sustainability of heathland at Mousehold, by re-creating new areas of heathland and linking together existing fragments. The expansion of this threatened habitat will safeguard existing populations of heathland species known to occur at Mousehold, and enable them to expand their ranges.
- (iii) To demonstrate and evaluate a range of heathland restoration and management techniques, including tree/scrub removal, soil stripping, and natural regeneration versus re-seeding. All these techniques have been proven in heathland restoration schemes elsewhere in the UK.
- (iv) To create more open, accessible areas to visitors, and to raise public awareness of the value of heathland and the techniques in managing it.

2. Land adjacent/near to existing Mousehold Heath

Several areas adjacent or close to the existing extent of Mousehold Heath might be suitable for re-creating heathland, or other types of semi-natural habitat. These include the extensive grounds of both the Open Academy and the Norwich Family Life Church on Heartsease Lane, and areas of land managed by Norwich City and Broadland District Councils. The main objective of this strand of the project will be to:

- (i) Establish contact with relevant landowners, and assess the possibilities of creating heathland or other habitats on land within their control.
- (ii) Raise the profile of heathland, and the possibility of creating a habitat corridor stretching north eastwards towards new proposed developments beyond the existing built up area.

Requirement for the project:

In line with the objectives of the management plan, to:
ensure that the area is managed as effectively as possible to

	<p>maintain and enhance its wildlife and historic value promote and enhance people's access to, and enjoyment of, the site</p> <p>Ownership of the project land:</p> <ul style="list-style-type: none"> - Norwich City Council Council for the existing heathland - Broadland DC for the Roundtree Industrial Estate - Mousehold Academy (new/refurbished High School on Mousehold Lane) - Mount Zion Family Life Centre on Mousehold Lane, site of former church building, destroyed by fire) <p>Details of landowner permission: The land in question is owned by Norwich City Council and managed by the Mousehold Heath Conservators, so it will not be necessary to obtain other permissions/consents prior to commencing the above works</p> <p>Current use of the project land: publicly accessible grassland/heath/woodland – with associated sports pitch; play area; pitch & putt course; car parking; tracks for orienteering; public viewpoint.</p>																														
Priority for Implementation	Short term (1-3 years) Autumn 2009 onwards																														
Lead Delivery Agency	Works and technical advice on heathland restoration will be overseen by Norwich City Council, with the Mousehold Heath Wardens organising site management works. Norwich City Council will be involved in consulting and liaising with landowners; with the Mousehold Wardens assisting with liaising with other parties. Details of project partners: Mousehold Heath Conservators; Residents Forum; Norwich City Council; Norwich Fringe Project.																														
Delivery Mechanism/ Funding Sources	Combination of public and voluntary																														
Estimated Funding Costs	<p>Carrying out heathland restoration work on existing site: £8000</p> <p>New heathland creation feasibility study/demonstration area* £4500</p> <p>Consultancy time £750</p> <p>Publicity & promotion £1,750</p> <p>Total: £15000</p> <p>*This will be dependent on both suitable land being available for heathland creation and the co-operation of the landowner(s). If this does not materialise, it is proposed that any funding remaining is spent on further heathland restoration work on the existing site.</p>																														
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3B	4B	5B	5G		3C	4C	5C	5H	2A	3D	4D	5D	5I	2B		4E	5E				4F		
1A	3A	4A	5A	5F																											
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2A	3D	4D	5D	5I																											
2B		4E	5E																												
		4F																													
Key Themes Supported (GI Strategy)	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 2 – Making Space for Wildlife</p>																														

	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People
Comments	<p>References:</p> <ul style="list-style-type: none"> - Report of Ecological Network Mapping Project for Norfolk, Land, Reg 2006. Norfolk Wildlife Trust for Norfolk Biodiversity Partnership. - Action Plan for Local Indicator 4.5: Ecological Networks (Local). Norfolk County Council & Norfolk Biodiversity Partnership, 2009. - Mousehold Heath Management Plan 2008 – 2013. Mousehold Heath Conservators & Norwich City Council, 2008.

Project Name	Mousehold Heath & Northeast Norwich Heathlands- Phase 2
Reference No	F7
Map Ref	7
Project Aims	<p>Mousehold Heath was once one of the largest areas of heath/wood pasture and enclosed woodland in the Eastern Region and remains one of the foremost sites for biodiversity close to the heart of a major city. Whilst some restorative and management work is underway there remain significant areas subject to neglect and scrubbing up. The historic connections of heathland and wood pasture, extending to the northern Broads are extremely fragmented. Accessibility needs to be improved and links made to this historical context, supporting the communities' understanding of the area. There are also opportunities to restore the landscape such as Rackheath landfill site.</p> <p>The current Heath is of paramount importance as a core area for wildlife and its condition will radically affect the success of future green infrastructure projects associated with potential housing growth in the northeast sector of Norwich. Earlier intervention to improve the heath is vital to achieve this vision. The project would work in partnership with the local community groups, voluntary conservation bodies, Natural England and local authorities. Some finances are already being utilised through Higher Level Stewardship, delivering improvements in partnership with the Mousehold Heath Conservators, but additional resources are required to bring the programme forward and provide the resilience that the site needs in anticipation of substantial new usage pressures (a factor that HLS does not allow for).</p> <p>In addition, further work is needed to develop the concept of extending the heathland and wood pasture towards the Broads and using these areas to support access connections between the growing communities in the north-east sector of Norwich. Developer contributions could play a significant part in realising this vision and incorporating opportunities associated with the Norwich Northern Distributor Road will also play a key role, through the sensitive design of "green bridges" and landscape-planning of the wider road corridor.</p>

Priority for Implementation	Short term (2-3 years)				
Lead Delivery Agency	Norwich City Council in partnership with Broadland DC, Norfolk County Council, Natural England and The Norwich Fringe Project				
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£350,000 (Study ;£50,000 Works Implementation ; £300,000)				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	South West Norwich Ecological Networks – Phase 1				
Reference No	F8				
Map Ref	8				
Project Aims	This project aims to link the ancient woodland of the area between Norwich, Wymondham and the River Yare. It will create buffers around existing woods and establish new woodland areas, linking sites and improving long-term management. The sites would connect to and integrate with the Kett’s County and Tas Valley Way.				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norfolk County Council, in partnership with the Forestry Commission, Anglia Woodfuels and Natural England.				
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£200k				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I

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Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People
Comments	

Project Name	Yare and Wensum Valley Link				
Reference No	F9				
Map Ref	9				
Project Aims	The project is designed to extend the Yare Valley walk beyond its current terminus at Bawburgh and create an important strategic link of about 10 miles between the Rivers Yare and Wensum and connect to the Marriott's Way to the north. This level of strategic connectivity is a priority in the Rights of Way Improvement Plan for Norfolk and is identified as offering a primary network opportunity within the GI Strategy.				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norfolk County Council, in partnership with Natural England, Broadland DC and South Norfolk DC				
Contact for working up					
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£200k				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	Refer to Norwich City Council - River Valley Strategy 2001				

Project Name	Lakenham Way Enhancements				
Reference No	F10				
Map Ref	10				
Project Aims	This project aims to upgrade Lakenham Way with a focus on improving links, developing long term management plans and identifying opportunities for habitat enhancement. Links to include both physical links and through working with the local community				

Schedule of Potential Green Infrastructure Projects

Appendix 7

	particularly to focus on schools.				
Priority for Implementation	Short-term with Med-long term management plans				
Lead Delivery Agency	Norwich City Council in partnership with Norfolk County Council.				
Contact for working up	Mary McHugh				
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£100k - £500k				
Criteria Met (GI Strategy)	1A	3B	4A	5A	5F
	1B	3D	4B	5B	5G
			4C	5C	5I
	2B		4D	5D	
			4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	Refer to Norwich City Council - River Valley Strategy 2001				

Project Name	Yare Valley Walk Boardwalk – UEA to Eaton
Reference No	N6
Map Ref	
Project Aims	<p>Vision A managed and improved access and wildlife corridor along the River Yare from Bawburgh to Trowse with links to the surrounding River Valleys</p> <p>Aims To improve access through out the Yare Valley Walk for pedestrians, improving existing links and creating new ones and improving sites for access and bio-diversity</p> <p>Objectives Opportunity to continue existing boardwalk to Eaton (currently only extends half the length of the path from the UEA-Eaton).</p> <p>Background The River Yare rises south of Dereham skirting the southern fringes of Norwich before joining the Wensum at Trowse Eye and then running out into the North Sea at great Yarmouth.</p> <p>The Yare Valley walk was created some years ago when public access became available to parts of the River Yare within the City Council Boundary. In recent years the Yare Valley Society has produced a booklet providing maps and information about the Yare Valley Walk.</p> <p>The Yare Valley Walk provides public access to and along the northern banks (Norwich side) of the River Yare. Starting up stream, the walk starts at Bowthorpe Southern Park taking the walker along the River Yare through Bowthorpe & Earlham Marshes, Earlham Millennium Green, Earlham Park, UEA Broad and Marshes, Bartram Marshes and ending up at the car park opposite Cringleford Mill in Eaton. The footpath is not a designated public right of way.</p> <p>Proposal Improve existing links along the Yare Valley walk from the UEA to Eaton and Cringleford, by constructing a boardwalk.</p>
Priority for Implementation	
Lead Delivery Agency	Suggested by M. Burrell, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	Yes

Delivery Mechanism/ Funding Sources	Short term
Estimated Funding Costs	£100,000
Criteria Met	
Key Themes Supported	
Comments	

NORWICH FRINGE ENVIRONS PROJECTS

Project Name	Community Woodlands Scheme: Phase 1
Reference No	F11A
Map Ref	1
Project Aims	<p>Location of the project: farmland bordering South Walsham</p> <p>Description of the project: planting a new wood at Burlingham Road, South Walsham, forming part of a programme for the re-creation of former woodlands to the north-east of Norwich, with the objectives of opening the woods for public access, growing quality hardwoods and enhancing the wildlife value of the broader area. The project embraces sound management, in order that the woodlands offer the fullest potential to wildlife. Enhancements to public rights of way to reinforce the network of Burlingham Woodland Walks.</p> <p>Project aspects include:</p> <ul style="list-style-type: none"> - new woodland of 3.5ha (2500 trees), including an orchard of 30 trees. - access path of 800M to link with existing routes. - Interpretive material. - community engagement and involvement - tactile sculptures. - new bench <p>Requirement for the project: enhancing existing woodlands and creating new sites, to improve public access, grow quality hardwoods and enhance wildlife value to land to the north east of Norwich.</p> <p>Ownership of the project land: Burlingham Woodlands form part of the Burlingham Estate which is owned by Norfolk County Council.</p> <p>Details of landowner permission: agreement in place</p> <p>Current use of the project land: agriculture Proposed timescales: Autumn 2009 for initial planting works ongoing for access improvements in line with the Burlingham Woodlands and Walks project</p>

Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	Norfolk County Council in partnership with the Forestry Commission, The Greenlight Trust and local communities and landowners.
Contact for working up	Gerry Barnes, Norfolk County Council
Pilot Projects?	
Linked Directly to Growth?	The project is in the centre of a group of villages that are identified for growth in the emerging JCS: - Acle, Blofield and Brundall are all “Key Service Centres” Blofield Heath, Lingwood and South Walsham are “Service Villages”. The total allocations in these villages could be in the region of 300-400 dwellings, with unallocated “windfall” development adding to this. This modest project matches this planned level of growth.
Delivery Mechanism/ Funding Sources	Public
Estimated Funding Costs	£12k
Criteria Met (GI Strategy)	1A 3A 4A 5A 5F 1B 3B 4B 5B 5G 3C 4C 5C 5H 2A 3D 4D 5D 5I 2B 4E 5E 4F
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People
Comments	Longer term management plans also included

Project Name	Community Woodlands Scheme
Reference No	F11
Map Ref	1
Project Aims	The Norfolk Community Woodland Scheme has, to date, established 8 new woodlands and 6 new orchards between Blofield and Acle and opened an additional 7 woods for public access. This project aims to extend the scheme further to draw in the mosaic of landscapes between Norwich and Acle and provide an important wildlife, amenity and landscape resource in an area where there will be growing demand. The scheme would interface with the Norwich Northern Distributor Route proposals and enhance the landscape setting of the route, offering "green bridges" to support ecological networks. The project would plant ten new woods, linked by field margins, orchards, existing woodlands and hedges to create an alternative mosaic of habitat

Schedule of Potential Green Infrastructure Projects

Appendix 7

	and access, including creation/restoration of ponds in the landscape.				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norfolk County Council in partnership with the Forestry Commission, The Greenlight Trust and local communities and landowners.				
Contact for working up	Gerry Barnes, Norfolk County Council				
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£300k				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	Longer term management plans also included				

Project Name	The Mid Yare National Nature Reserve: Phase 1
Reference No	F12
Map Ref	2
Project Aims	<p>The Mid Yare National Nature Reserve, between Brundall and Cantley, is managed by the RSPB. The reserve currently received relatively modest visitor numbers (around 20,000 per year), despite its proximity to urban areas. Poor accessibility and lack of facilities are key problems, which will be exacerbated in the future. Further, a significant area of the NNR is currently in "unfavourable" condition. Plans have been developed by the RSPB to enhance access and capacity, including the following proposals:</p> <ul style="list-style-type: none"> • Restoration of 104ha neglected fen at Strumpshaw • Railway bridge • Car parking improvements • Refurbishment of Buckenham train station • Refurbishment of visitor's reception and information at Strumpshaw • Provision of moorings on river Yare and associated visitor facilities <p>The project is situated within the East Norwich – Broads – Great Yarmouth sub-regional corridor and close to the east-Norwich-Brundall – Acle- Great Yarmouth corridor and the Northern GNA Local GI Corridor Network. It lies within the core biodiversity area, and reedbeds and fen creation and enhancement zones. Situated close to the planned housing growth area in east Norwich, and more accessible by public transport than other Broadland nature reserves with significant visitor facilities, the project site is likely to face increased demand. The project aims to increase capacity to cope with increased demand, both in terms of numbers, and by increasing its accessibility and appeal to as broader section of the community.</p> <p>The project is required to fulfil the following objectives:</p> <ul style="list-style-type: none"> • To provide local people access to high quality greenspace; in order to mitigate the effects of housing growth and increasing urbanisation of Norwich. • To provide informal and formal education for people of all ages • To provide a high quality community resource • To boost tourism and the local economy <p>The project will significantly increase access to, and capacity of, the Mid Yare National Nature Reserve, providing a large and accessible green space on the edge of the urban fringe. Access by sustainable transport would be enhanced, thus reducing dependence on car travel and the associated impacts of greenhouse gas emissions.</p> <p>The project will significantly increase opportunities for people to access green space and engage with their natural environment. It is estimated that annual visitor numbers could increase to 35,000 at</p>

	<p>Strumpshaw Fen and 10,000 at Buckenham Marshes.</p> <p>The following strategic priorities are of particular importance to this project:</p> <p>Environmental Protection – protecting and enhancing green infrastructure.</p> <p>Economic Renewal – reviving local infrastructure and environments by improving the quality of the green environment.</p> <p>Cohesive communities – promoting social capital through volunteering opportunities; informal and formal education for people of all ages</p> <p>Enterprise and Business Support – building the visitor economy and increasing visitor spend</p> <p>The project will provide multi-functional benefits across all areas of: landscape/townscape character, biodiversity, access, prominence/visibility, healthy living and educational opportunities.</p> <p>Habitat Enhancement The habitat enhancement elements of the project form part of a strategy to protecting the freshwater habitats and wildlife of international importance, and the viability of the visitor enterprise, in the face of climate change. The work will reinstate a more natural water flow, increasing the ability of the site to cope with periodic saltwater floods, which are increasing with sea level rise, and together with habitat creation off-site, will sustain the habitats for several decades more.</p> <p>Community Enrichment and Quality of Life The improvements of the site will facilitate greater opportunities for community involvement, through volunteering, educational visits and out-of school activities for young people, life-long learning opportunities and through community use of the facilities. The health benefits of access to high quality green space are widely documented and this RSPB project will provide mental, social and physical health benefits to local people.</p> <p>Economic Boost The total visitor spend in the Norfolk Broads is estimated as £99,536,299 and the number of full time equivalent jobs created through tourism is 1,856. In 2006, the total number of people on trips to the Broads (day and staying) reached 1,206,300. As environmental tourism becomes a more important draw for visitors, the economic benefit of nature reserves will become more important for the wider economy. Increased visiting will bring economic benefits to local businesses. Visitors to Mid Yare nature reserve spend an estimated £300,000 in the local area each year. This sum, combined with the £200,000 spend by the reserve, helps to support the equivalent of 23 full-time jobs in the local area.</p>
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	<p>Short term plans (start 2011-12) Path improvements – consulting; may need planning permission. Wet reedbed creation – SSSI consent given; at design stage; may need planning permission.</p> <p>Increase visitor numbers to 25,000 pa by 2014 and 35,000 pa by 2019. Increase in community use of reserve from c.10 events pa to 20 pa; Subsequent recovery of species- rich ditch flora and fish populations Increase in bittern breeding success. Freshwater conditions sustained in face of climate change, for 50 years or more. Increase in quality of life indicators for health, well-being and access to high quality green space.</p>
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	RSPB Fiona Taylor, The RSPB, Regional Development Officer, (01603) 697594 (with Broads Authority, Natural England, Network Rail, Environment Agency; and other national and local groups).
Contact for working up	Fiona Taylor, The RSPB,
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	<p>No Funds secured to date. Please see qu.18 below. The RSPB will plan and fundraise for the work enclosed annually, in partnership with relevant organisations and funding bodies.</p> <p>The RSPB is committed to developing the Mid Yare nature reserve for the long term, and following any time bound grant assistance; we will continually seek alternative sources of funding to secure it's future. The long-term financial sustainability of the Mid Yare nature reserve will be secured through sound business and financial management. Future project costs are projected and fundraised against annually. In addition to external grant funding, the financial sustainability of the Mid Yare nature reserve is achieved through income generated from membership, donations and reserve funding such as the Higher Level Environmental Stewardship Scheme.</p>
Estimated Funding Costs	<p>Description A package of investment to increase visitor capacity and improve accessibility, while increasing the long-term viability of the wildlife and habitats and visitor enterprise.</p> <p>Short term plans (start 2010-11)</p>

	<p>Path improvements - £10,000 Providing 1000m of level, firm all-weather path, completing a 2.5 km circular route through woodland, meadow, fen and riverside, suitable for wheelchairs, buggies, etc.</p> <p>Wet reedbed creation £15,000 Establishing 1.5 ha of reedbed in an existing pool, overlooked by viewpoints, creating a mosaic of pools and wet reedbed.</p> <p>Estimated Total Cost: £25,000</p>				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 2 – Making Space for Wildlife</p> <p>Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People</p>				
Comments	<p>The Mid Yare Nature Reserve consists of Strumpshaw Fen, Surlingham Broad, Buckenham and Cantley Marshes and includes the areas below.</p> <p>The reserve office address is: The RSPB Mid Yare Nature Reserve, Low Road, Strumpshaw, Norwich, NR13 4HS</p> <p>The reserve site office is rural – Grid Ref OS 134:341066</p> <p>All sites have the following designations: National Nature Reserve (NNR) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Environmentally Sensitive Area RAMSAR site</p> <p>The RSPB will provide detailed information for the full project assessment procedure – using the recently devised methodology – when guidance and forms are supplied for the next stage of this process.</p>				

Project Name	Marriott's Way Route Enhancements				
Reference No	F13				
Map Ref	3				
Project Aims	This project aims to upgrade the route of Marriott's Way, including new surfaces where needed, and co-ordinating management of biodiversity along whole corridor.				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norfolk County Council in partnership with Broadland DC.				
Contact for working up					
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£500k - £1m				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	Tas Valley Blue Way - Phase 1				
Reference No	F14				
Map Ref	4				
Project Aims	This project aims to enhance the function, quality and accessibility of the valley as a Blue Way within the overall green infrastructure network. The project would deliver: <ul style="list-style-type: none"> • River corridor meadow/wetland enhancements • Links to Roman heritage site at Caistor St Edmund • South Norwich communities link to greenspace via foot and cycle ways • Possible green way links to Bungay 				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	South Norfolk DC in partnership with Norfolk County Council.				
Contact for working up					

Pilot Projects?																															
Linked Directly to Growth?																															
Delivery Mechanism/ Funding Sources	Combination of public and private																														
Estimated Funding Costs	£1m (Study; £50,000, Works Implementation; £950,000)																														
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3D</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td></td> <td>4D</td> <td>5E</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3B	4B	5B	5G		3D	4C	5C	5H	2A		4D	5E	5I	2B		4E					4F		
1A	3A	4A	5A	5F																											
1B	3B	4B	5B	5G																											
	3D	4C	5C	5H																											
2A		4D	5E	5I																											
2B		4E																													
		4F																													
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People																														
Comments	Refer to Norwich City Council - River Valley Strategy 2001																														

Project Name	Norwich - Wymondham – Attleborough - Thetford Green Way
Reference No	F15
Map Ref	5
Project Aims	A feasibility study will be undertaken with the aim to create a Green Way linking Norwich to Wymondham, and providing sub-regional connectivity with green infrastructure linking Thetford and Attleborough in Breckland District. The project would deliver: <ul style="list-style-type: none"> • Foot and cycle paths • ‘Greening’ of route corridors/experience • Biodiversity management • New woodland planting
Priority for Implementation	Short term (1-3 years). Longer term associated with growth points
Lead Delivery Agency	South Norfolk DC in partnership with Norfolk County Council and Sustrans.
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	Longer term associated with growth points
Delivery Mechanism/ Funding Sources	Public? Private? Combination of public and private? Other?
Estimated Funding Costs	£50k

Criteria Met (GI Strategy)	1A	3D	4A	5A	5F
	1B		4B	5B	5G
			4C	5C	5H
	2A		4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	Improving public viewing and enjoyment of Sutton Fen: Phase 1
Reference No	N28
Map Ref	
Project Aims	<p>Project location and relevance: Sutton Fen is within a Core Biodiversity Area, Priority Wetland Habitat Creation and Enhancement Area, and close to the Acle - North Walsham - Aylsham - Cromer Sub regional GI Corridor. The site lies near to the urban centres of Norwich (15 miles), North Walsham (10 miles), Stalham (2 miles) and Great Yarmouth (15 miles).</p> <p>Description: A series of projects with the ultimate aim of improving the accessibility of the wildlife of Sutton Fen, whilst keeping disturbance of its remarkable diversity to an absolute minimum. The projects give the opportunity to inspire, inform and engage with a new visitor audience.</p> <p>Short term plans (start 2010-11)</p> <p>Moor Loop footpath improvements - £15,000 Dig ditches, provide interpretation, clear trees, erect fence and improve path surface to improve condition of 2km public footpath 'moor loop' through reserve. Allowing improved viewing of marsh harriers, barn owls, swallowtail butterfly etc. and further secure management of the fen through grazing using Highland cattle. £15,000</p> <p>Open view from Moor Loop footpath - £10,000 Clear trees from fringe to improve view from Public footpath 'Moor loop' into Sutton Broad and provide interpretation highlighting the importance and history of the fen. Improve views of fen and opportunity to see Marsh harrier, barn owl, reedbed warblers, swallowtail butterfly etc.</p> <p>Extend footpath route - £10,000 Create new footpath of c.1000m to join ends of 'Moor loop' footpath and create circular walk. Removing the need to either cross or walk along the A149 to complete circuit.</p>

Sutton Fen wildlife DVD - £20,000

Production of DVD to promote wildlife of Sutton Fen without disturbance of the exceptional rare suite of species on the site. Used to promote the work of the RSPB (and potential to include other conservation partners e.g. Broads Authority, Natural England, Norfolk Wildlife Trust, National Trust, Broads Reed and Sedge Cutters). To inform and educate the observer about how the land is and used to be managed and inspire conservation and nature – to show iconic broadland species such as bittern, marsh harrier, bearded tit, norfolk hawk, cranes, swallowtail, otter, water vole and management by volunteers and commercial sedge cutters. Also an opportunity to promote conservation volunteering and commercial reed / sedge cutting.

The project is required to fulfil the following objectives:

- To provide local people access to high quality greenspace; in order to mitigate the effects of housing growth and increasing urbanisation of Norfolk.
- To provide informal and formal education for people of all ages
- To provide a high quality community resource
- To boost tourism and the local economy
- To improve habitat quality and species diversity.

Sutton Fen is one of the finest examples of unspoilt valley fen in Western Europe and one of the most important sites for nature conservation in the UK. Wetland habitats across Broadland, and the wildlife they support, are under increasing pressures from agriculture, abstraction, pollution, rising sea levels and climate change. It is vital to protect and enhance core areas and restore habitats to link fragmented areas; Sutton Fen provides a unique opportunity to do this.

There is currently no direct visitor access to the fen or opportunities to view it. The highly sensitive nature of the fen and its wildlife means direct visitor access is currently not appropriate if we wish to ensure long-term conservation and enhancement of the fen. However, the RSPB wishes to share this unique place with people and is keen to investigate opportunities to achieve this.

A public footpath runs through the Northern side of the site but is currently through woodland and scrubland and views into the site are poor. The path is also in a very bad state of disrepair, particularly in winter when it becomes wet and muddy due to blocked ditches nearby. This footpath needs to be improved and viewpoints created to maximise public use and enjoyment.

Currently there are no hides or viewpoints over the fen, but there are two points of raised bank where hides and viewpoints would give excellent views over the fen due to their relative height in an otherwise flat landscape. These hides would provide an opportunity currently unavailable, to engage with the public and

	<p>offer fantastice scenes of broadland.</p> <p>Ongoing habitat management is essential at the reserve and will complement any new views and viewing structure by maintaining and improving the quality of the fen and conditions for a variety of species which will be visibile from hides such as bitterns, bearded tits, marsh harriers, otters and water voles.</p> <p>Short-term: Moor Loop footpath improvements: Consultation with NCC, works agreed as necessary, requires funding and surveying of necessary ditch work before start.</p> <p>Open view from Moor Loop footpath: NE SSSI consent given, requires funding to begin.</p> <p>Extend footpath route: Consultation with NCC, agreed route is ideal, requires discussion with tenant farmer whose tenancy would be affected before progressing, but likely to be approved.</p> <p>Sutton Fen wildlife DVD: At very early stages, requires funding confirmation before next steps made, but likely to be relatively simple process. RSPB internal consent will be required.</p> <p>Outputs; 2km of dry, surfaced footpath. 1km of new dry, surfaced path Views to Sutton Broad Broadland wildlife DVD</p> <p>Outcomes; Increase visitor capacity of reserve from 0 to 6000 pa (by boat) Increase visitor spend in local community, particularly Stalham and Sutton staithe and Stalham Town. Increase footpath users from c.4000pa to c.10000pa Increase local employment through use of local contractors Increase community use of reserve via guided boat tours from 0 to 200pa Improve education and interaction with wildlife of footpath and hide users. Improvements to habitat quality of fen. Increase in fen orchid protection Increase in Crane breeding success Increase in quality of life indicators for health, well-being and access to high quality green space.</p>
<p>Priority for Implementation</p>	<p>Short term (1-3 years) 2010-2011</p>
<p>Lead Delivery Agency</p>	<p>Fiona Taylor, The RSPB (Regional Development Officer) 01603 697594 fiona.taylor@rspb.org.uk (with Broads Authority, Natural England, Norfolk County council, Environment Agency)</p>

Contact for working up	Fiona Taylor, The RSPB (Regional Development Officer) 01603 697594 fiona.taylor@rspb.org.uk
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Internal budget exists for Scrub clearance and habitat creation (c. £ 3000pa) and Fen orchid habitat management works (c. £2700pa). NCC have applied for grant money for Moor Loop footpath improvements (c.£14,000), awaiting decision. Internal budget spend as highlighted above will total c.£4350 on the outlined projects. The provider of the potential £14000 to NCC is unknown. The RSPB aims to cover all reserve costs via income of ESA, grants, memberships etc so reserves run at zero cost. As such, income for all highlighted projects is necessary and will be applied for at any available opportunity.
Estimated Funding Costs	Short term Moor Loop footpath improvements - £15,000 Open view from Moor Loop footpath - £10,000 Extend footpath route - £10,000 Sutton Fen wildlife DVD - £20,000
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	Address: (Not to be used for postage) Sutton Fen Nature reserve, Wood Street, Catfield, Norfolk NR29 5DF Correspondence address: Staithe Cottage, Low Road, Strumpshaw, Norfolk, NR13 4HS Grid ref, centre of site: TG367231 The site has the following designations: Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Environmentally Sensitive Area (ESA) The RSPB will provide detailed information for the full project

	assessment procedure – using the recently devised methodology – when guidance and forms are supplied for the next stage of this process.
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GREATER NORWICH AREA-WIDE THEMATIC PROJECTS

Project Name	Green Infrastructure in School Grounds Grant Aid
Reference No	T1
Map Ref	1
Project Aims	<p>For many years Norfolk County Council has been offering modest grants and an advisory service to enable schools to develop wildlife areas, for education and quiet enjoyment of nature. Much of the work supports the "Learning through Landscapes" principles. Overall there is a substantial untapped resource within school grounds that could be promoted further, to benefit the landscape, schools' and education facilities, provide ecological "stepping-stones" in support of the Ecological Networks and potentially provide resilient areas through which to incorporate sustainable drainage systems (SuDS) principles on new school developments or expansions.</p> <p>Currently the County Council contributes 1.5 FTE (inc 1.0=Temp) and small pump-priming grants totalling £2000. Individual school PTAs contribute and ground's maintenance variations also amount to contributions, depending on the nature and scale of the scheme. A locally agreed sponsorship arrangement enables mulch-mats for the trees to be provided to schools at no charge. At present there are 28 schools within the Greater Norwich Area that are currently on the waiting list to develop modest proposals to improve facilities for biodiversity and outdoors study. The total collective scheme cost is £198k. To accelerate the pace of this work and broaden its potential, it is anticipated that a grant budget of £40k per year is needed (allowing for external contributions), with an additional member of staff (through extending the current temp post for a further 3 years) to bring the programme forward (@ £35k inc on-costs).</p>
Priority for Implementation	Short term (1-3 years) and long term
Lead Delivery Agency	Norfolk County Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	Associated with development??
Delivery Mechanism/ Funding Sources	Combination of public and private
Estimated Funding Costs	£225k

Schedule of Potential Green Infrastructure Projects

Appendix 7

Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 2 – Making Space for Wildlife				
Comments					

Project Name	New Wensum Forest (Woodland) Country Park
Reference No	T2a
Map Ref	2
Project Aims	<p>The GI Strategy identifies the need for several new Country Parks of varying scales. Large areas (over 100acres) need substantial forward-planning to ensure viability and that they are capable of meeting the needs of the population and provide a wildlife and landscape resource and contribute to delivering Sustainable Drainage Solutions (SuDS) for new and existing developments. Equally, opportunities may be missed as, clearly, land of a suitable nature, scale and location does not become available, on demand and at the right price, for lease or for sale. Targeting suitable land and entering into negotiations takes time, but the capability to purchase is a prerequisite to seeking those negotiations.</p> <p>As a guide, and perhaps an example of opportunity missed, the Intwood Estate to the South-West of Norwich was recently sold. Agricultural land comprising 210 acres, including 20 acres of woodland pasture, sold for £3,500/acre land. The location of this land would have been very well-suited for a new country park, and provide extensive opportunities for landscape, recreation and biodiversity enhancements. Much of this latter work (e.g.; woodland planting) is possible through subsequent grants. Further site improvements (visitor centres, transport connections, parking, cycleway/footpath links etc) could reasonably be assigned to developer contributions.</p> <p>The proposal assumes that over the next 3 years, one site of 150 acres will become available for purchase. In subsequent years, a further two country parks of similar scale is envisaged.</p>
Priority for Implementation	Long term
Lead Delivery Agency	Norfolk County Council in partnership with, Norwich City Council, Broadland District Council and South Norfolk Council
Contact for working up	
Pilot Projects?	
Linked Directly	

to Growth?					
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£650k				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design				
Comments					

Project Name	New Mousehold Heath extension (Heathland) Country Park
Reference No	T2b
Map Ref	2
Project Aims	<p>The GI Strategy identifies the need for several new Country Parks of varying scales. Large areas (over 100acres) need substantial forward-planning to ensure viability and that they are capable of meeting the needs of the population and provide a wildlife and landscape resource and contribute to delivering Sustainable Drainage Solutions (SuDS) for new and existing developments. Equally, opportunities may be missed as, clearly, land of a suitable nature, scale and location does not become available, on demand and at the right price, for lease or for sale. Targeting suitable land and entering into negotiations takes time, but the capability to purchase is a prerequisite to seeking those negotiations.</p> <p>As a guide, and perhaps an example of opportunity missed, the Intwood Estate to the South-West of Norwich was recently sold. Agricultural land comprising 210 acres, including 20 acres of woodland pasture, sold for £3,500/acre land. The location of this land would have been very well-suited for a new country park, and provide extensive opportunities for landscape, recreation and biodiversity enhancements. Much of this latter work (e.g.; woodland planting) is possible through subsequent grants. Further site improvements (visitor centres, transport connections, parking, cycleway/footpath links etc) could reasonably be assigned to developer contributions.</p> <p>The proposal assumes that over the next 3 years, one site of 150 acres will become available for purchase. In subsequent years, a</p>

Schedule of Potential Green Infrastructure Projects

Appendix 7

	<p>further two country parks of similar scale is envisaged.</p> <p>Ultimately, the aim is to identify and deliver new country parks in the following locations/themes:</p> <ul style="list-style-type: none"> • Wensum Forest (woodland); • Mousehold Heath extension (heathland) • The Caistor St Edmund area (grasslands) • The Colney/Bawburgh area (wetlands) 																														
Priority for Implementation	Long term																														
Lead Delivery Agency	Norfolk County Council in partnership with, Norwich City Council, Broadland District Council and South Norfolk Council																														
Contact for working up																															
Pilot Projects?																															
Linked Directly to Growth?																															
Delivery Mechanism/ Funding Sources	Combination of public and private																														
Estimated Funding Costs	£650k																														
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3B	4B	5B	5G		3C	4C	5C	5H	2A	3D	4D	5D	5I	2B		4E	5E				4F		
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1B	3B	4B	5B	5G																											
	3C	4C	5C	5H																											
2A	3D	4D	5D	5I																											
2B		4E	5E																												
		4F																													
Key Themes Supported (GI Strategy)	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 2 – Making Space for Wildlife</p> <p>Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People</p> <p>Theme 4 – Adapting to Climate Change through Sustainable Planning and Design</p>																														
Comments																															

Project Name	New Colney/Bawburgh area (Wetlands) Country Park
Reference No	T2c
Map Ref	2
Project Aims	<p>The GI Strategy identifies the need for several new Country Parks of varying scales. Large areas (over 100acres) need substantial forward-planning to ensure viability and that they are capable of meeting the needs of the population and provide a wildlife and landscape resource and contribute to delivering Sustainable Drainage Solutions (SuDS) for new and existing developments. Equally, opportunities may be missed as, clearly, land of a suitable nature, scale and location does not become available, on demand and at the right price, for lease or for sale. Targeting suitable land and entering into negotiations takes time, but the capability to purchase is a prerequisite to seeking those negotiations.</p> <p>As a guide, and perhaps an example of opportunity missed, the Intwood Estate to the South-West of Norwich was recently sold. Agricultural land comprising 210 acres, including 20 acres of woodland pasture, sold for £3,500/acre land. The location of this land would have been very well-suited for a new country park, and provide extensive opportunities for landscape, recreation and biodiversity enhancements. Much of this latter work (e.g.; woodland planting) is possible through subsequent grants. Further site improvements (visitor centres, transport connections, parking, cycleway/footpath links etc) could reasonably be assigned to developer contributions.</p> <p>The proposal assumes that over the next 3 years, one site of 150 acres will become available for purchase. In subsequent years, a further two country parks of similar scale is envisaged.</p>
Priority for Implementation	Long term
Lead Delivery Agency	Norfolk County Council in partnership with, Norwich City Council, Broadland District Council and South Norfolk Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Combination of public and private
Estimated Funding Costs	£650k

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Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design				
Comments					

Project Name	New Caistor St Edmund area (Grasslands) Country Park
Reference No	T2d
Map Ref	2
Project Aims	<p>The GI Strategy identifies the need for several new Country Parks of varying scales. Large areas (over 100acres) need substantial forward-planning to ensure viability and that they are capable of meeting the needs of the population and provide a wildlife and landscape resource and contribute to delivering Sustainable Drainage Solutions (SuDS) for new and existing developments. Equally, opportunities may be missed as, clearly, land of a suitable nature, scale and location does not become available, on demand and at the right price, for lease or for sale. Targeting suitable land and entering into negotiations takes time, but the capability to purchase is a prerequisite to seeking those negotiations.</p> <p>As a guide, and perhaps an example of opportunity missed, the Intwood Estate to the South-West of Norwich was recently sold. Agricultural land comprising 210 acres, including 20 acres of woodland pasture, sold for £3,500/acre land. The location of this land would have been very well-suited for a new country park, and provide extensive opportunities for landscape, recreation and biodiversity enhancements. Much of this latter work (e.g.; woodland planting) is possible through subsequent grants. Further site improvements (visitor centres, transport connections, parking, cycleway/footpath links etc) could reasonably be assigned to developer contributions.</p> <p>The proposal assumes that over the next 3 years, one site of 150 acres will become available for purchase. In subsequent years, a further two country parks of similar scale is envisaged.</p>
Priority for Implementation	Long term
Lead Delivery Agency	Norfolk County Council in partnership with, Norwich City Council, Broadland District Council and South Norfolk Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Combination of public and private
Estimated Funding Costs	£650k

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Appendix 7

Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design				
Comments					

Project Name	Historic Park Restoration Fund																								
Reference No	T3																								
Map Ref	3																								
Project Aims	There are 26 Registered Historic Parks and Gardens in the Greater Norwich Area that are increasingly important landscape and amenity assets. Whilst some are already in public ownership and managed as amenities (e.g.; Eaton Park) around 60% are in private ownership, with varying degrees of accessibility and in a range of states of decay or repair. It is proposed that a fund is created to offer small-scale grant-aid to support improvements to registered parks and gardens in the Greater Norwich Area, where these are associated with improved public access and enhancements to their amenity value.																								
Priority for Implementation	Short term (1-3 years)																								
Lead Delivery Agency	Norfolk County Council in partnership with Norwich City Council, Broadland District Council and South Norfolk Council																								
Contact for working up																									
Pilot Projects?																									
Linked Directly to Growth?																									
Delivery Mechanism/ Funding Sources	Combination of public and private																								
Estimated Funding Costs	£50k pa																								
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	3A	4A	5A	5F	3B	4B	5B	5G	3C	4C	5C	5H	3D	4D	5D	5I		4E	5E			4F		
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Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People																								
Comments	Difficult to administer?																								

Project Name	The Sanctuary Project
Reference No	T4
Map Ref	4
Project Aims	<p>There are over 20 medieval ruined churches in the Greater Norwich Area. Most are unmaintained buildings at risk, and represent opportunities in the following areas identified as priorities in the GIS:</p> <ul style="list-style-type: none"> • Supporting biodiversity – making space for wildlife • Enhancing and promoting heritage assets in the county

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	<ul style="list-style-type: none"> • Maximising public access to green spaces (most are in or adjacent to villages, are potential public spaces, and are on footpaths) • Providing opportunities for skills training • Providing opportunities for physical and psychological benefits <p>Up to 15 sites will be identified and the following action taken:</p> <ul style="list-style-type: none"> • Liaison with local community to create support • Repair and consolidation of the ruined church fabric to make safe • Enhancement of churchyard area to create space for wildlife biodiversity • Skill training in maintenance of wildlife area, and simple repairs to the fabric for local community participants • Support in research and interpretation by the community of the heritage and environmental asset 																														
Priority for Implementation	Short term (1-3 years)																														
Lead Delivery Agency	Norwich Diocese in partnership with English Heritage, Norfolk County Council and local heritage groups.																														
Contact for working up																															
Pilot Projects?																															
Linked Directly to Growth?																															
Delivery Mechanism/ Funding Sources	Public																														
Estimated Funding Costs	£675k																														
Criteria Met (GI Strategy)	<table> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3B	4B	5B	5G		3C	4C	5C	5H	2A	3D	4D	5D	5I	2B		4E	5E				4F		
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Key Themes Supported (GI Strategy)	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 2 – Making Space for Wildlife</p> <p>Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People</p>																														
Comments	Linked to Community Gardens project and a new project suggested further on.																														

Project Name	Amenity Parks and Allotments
Reference No	T5
Map Ref	5
Project Aims	The current uptake of allotments in and around Norwich is extremely high and it is anticipated that this trend will continue, not

	<p>only due to lifestyle choices but also the diminishing scale of outdoor space associated with households. However, the nature of the current allotment sites is extremely limited and there are opportunities to look at ways of improving and extending facilities as well as the nature and purpose of allotments, learning lessons from elsewhere, to create a wider amenity, incorporating parkland, play facilities, wildlife habitats, opportunities to trade produce etc. In an increasingly urbanised society, this mix of activities could be an important ingredient to build cohesion in rapidly expanding communities.</p> <p>It is proposed that a study of such facilities is undertaken, learning lessons from elsewhere in the UK and further afield in the EU and applying the findings to Greater Norwich, and to producing a guide for planners and developers.</p> <p>Eductaion and community engagement</p>																														
Priority for Implementation	Short term (1-3 years)?																														
Lead Delivery Agency	The GNDP (in partnership with CABE)?																														
Contact for working up																															
Pilot Projects?																															
Linked Directly to Growth?																															
Delivery Mechanism/ Funding Sources	Public																														
Estimated Funding Costs	£30k																														
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>2A</td> <td>3B</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>2B</td> <td>3D</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td></td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td></td> <td></td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td></td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	2A	3B	4A	5A	5F	2B	3D	4B	5B	5G			4C	5C	5H			4D	5D	5I			4E	5E				4F		
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Key Themes Supported (GI Strategy)	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 2 – Making Space for Wildlife</p> <p>Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People</p>																														
Comments	Education and community engagement																														

Project Name	The Greater Norwich Area Waterway Crossings and Gateways Project
Reference No	T6
Map Ref	6
Project Aims	This project aims to examine how new access points across waterways can provide strategic gateways and pedestrian/cycle

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	<p>links to improve accessibility of greenspace and water space in the Greater Norwich Area. It will identify areas of greatest need for key crossing points and propose potential solutions - for instance, providing bridges over rivers or unmanned ferry crossings.</p> <p>The project would include:</p> <ul style="list-style-type: none"> • Overall Study • Feasibility and design for 2 major crossings • Feasibility and design for 6 crossings of secondary waterways • Feasibility and design for pedestrian crossing at Anderson's Meadow 																														
Priority for Implementation	Short term (1-3 years)																														
Lead Delivery Agency	Norfolk County Council in partnership with Norwich City Council and the Broads Authority.																														
Contact for working up																															
Pilot Projects?	Andersons Meadow																														
Linked Directly to Growth?																															
Delivery Mechanism/ Funding Sources	Public																														
Estimated Funding Costs	£1.13m																														
Criteria Met (GI Strategy)	<table> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3C</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3D</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td></td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3C	4B	5B	5G		3D	4C	5C	5H	2A		4D	5D	5I	2B		4E	5E				4F		
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2A		4D	5D	5I																											
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Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People																														
Comments	Links with Crossing and bridges to Whitlingham.																														

Project Name	Urban Ecological Networks Stepping Stones - Advisory Service and Demonstration Projects			
Reference No	T7			
Map Ref	7			
Project Aims	This initiative aims to establish and promote an advisory service and demonstration projects to deliver innovative solutions to making ecological connections in an urban environment, encouraging techniques such as green/brown roofs, encouraging "back garden groups" and eco-sensitive allotments, and promote water flow solutions using SuDS to anticipate flash flooding. The project would extend ecological corridors and links above ground and roof level as well as at ground level. It would encourage community participation in taking a strong role in enhancing biodiversity through the Greater Norwich Area. It will extend the understanding of issues associated with climate change and promote roles of green/brown roofs/planting for biodiversity/air 'purification'/SuDS and implications of flash flooding (PPS9).			
Priority for Implementation	Short term (1-3 years)			
Lead Delivery Agency	Norfolk County Council in partnership with Norwich City Council, Broadland DC and South Norfolk DC.			
Contact for working up				
Pilot Projects?				
Linked Directly to Growth?				
Delivery Mechanism/ Funding Sources	Combination of public and private			
Estimated Funding Costs	£150k (£50k pa)			
Criteria Met (GI Strategy)	3A	4A	5A	5F
	3B	4B	5B	5G
	3C	4C	5C	5H
	3D	4D	5D	5I
		4E	5E	
		4F		
Key Themes Supported (GI Strategy)	Theme 2 – Making Space for Wildlife Theme 4 – Adapting to Climate Change through Sustainable Planning and Design			
Comments	Education and community engagement			

Project Name	Greater Norwich Community Landmarks Project			
Reference No	T8			
Map Ref	8			
Project Aims	As part of the green infrastructure planning and implementation process, this project aims to involve communities in: <ul style="list-style-type: none"> identifying local natural and cultural landmarks that are 			

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	<p>important to them for social reasons as well as for their wildlife, landscape or conservation value</p> <ul style="list-style-type: none"> the design and creation of new green open spaces, habitats and corridors throughout the Greater Norwich Area. <p>The project would provide Environmental Community Development Workers who would engage communities, providing leadership, training and support on a rolling basis to projects as they rise. As new spaces are proposed (e.g. the extension of existing woodlands or the creation of new open space), the development team would support the local community, helping them make their contribution through consultation, Planning for Real exercises, and through practical volunteering on the site. This project would create a sense of ownership and involvement by ensuring that local landscape landmarks that are valued by local people are retained, and that new spaces are created through the participation of local communities from the start, with a view to establishing 'Friends of' groups to maintain community involvement in to the future.</p>																				
Priority for Implementation	Short term (1-3 years)																				
Lead Delivery Agency	BTCV																				
Contact for working up																					
Pilot Projects?																					
Linked Directly to Growth?																					
Delivery Mechanism/ Funding Sources	Public																				
Estimated Funding Costs	£300k (£100k pa)																				
Criteria Met (GI Strategy)	<table border="0"> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5G</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5C</td> <td>5H</td> </tr> <tr> <td></td> <td>3C</td> <td>4D</td> <td>5D</td> <td></td> </tr> <tr> <td></td> <td>3D</td> <td></td> <td>5E</td> <td></td> </tr> </table>	1A	3A	4A	5A	5G	1B	3B	4B	5C	5H		3C	4D	5D			3D		5E	
1A	3A	4A	5A	5G																	
1B	3B	4B	5C	5H																	
	3C	4D	5D																		
	3D		5E																		
Key Themes Supported (GI Strategy)	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People</p>																				
Comments	Education and community engagement																				

Project Name	Green Gym™
Reference No	T9
Map Ref	9
Project Aims	This project aims to set up Green Gym Groups on public open spaces throughout the Greater Norwich Area. Each Group would be made up of people who are referred by health professionals or

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	who self refer. They would gain health benefits by carrying out short sessions of practical conservation activities on local sites. There would be a development period of 2 years for each Group during which BTCV would set up, lead and train volunteers, after which the Green Gym Group would continue as a self sustaining group. This would provide interaction and involvement by the community in local public open spaces and their care. As new open spaces are developed or habitats created (e.g. the extension of existing woodlands or new planting), a new Green Gym Group would be set up alongside to create community interest and a sense of ownership from the start.
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	BTCV
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Public
Estimated Funding Costs	£300k (£100k pa)
Criteria Met (GI Strategy)	1A 3A 4A 5A 5F 1B 3B 4B 5C 5G 3C 4D 5D 5I 3D 5E
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People
Comments	Education and community engagement

Project Name	Environmental Training Programme
Reference No	T10
Map Ref	10
Project Aims	This project aims to provide a programme of training for all in the community over 16 using existing and new greenspaces as outdoor classrooms. Various courses and qualifications would be offered including short courses from the BTCV Institute Curriculum at Entry to Level 3 and accredited through BTCV's NCFE Quality licence or external awarding bodies. The courses would develop both practical skills and understanding of topics such as practical conservation and land management skills, access and light construction work, wildlife ID, leadership, health & safety etc. Trainees would be encouraged to offer their new skills as volunteers or go on to further learning as part of their career development. The programme would cover 3 years initially with

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	the option to continue.
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	BTCV
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Public
Estimated Funding Costs	£300k (£100k pa)
Criteria Met (GI Strategy)	1A 3A 4A 5A 5F 1B 4D 5B 5G 4E 5C 5I 5D
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design
Comments	Education and community engagement

Project Name	Youth Engagement Project
Reference No	T11
Map Ref	11
Project Aims	This project aims to engage young people in the implementation of green infrastructure projects. Support workers would enable young people to shape the environment they will inherit. This would include consultations, planning, identifying opportunities, surveys, designing and practical input to creating new green infrastructure such as new open spaces, habitat, walking and cycleways.
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	BTCV
Contact for working up	Marya Parker
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/	Public

Funding Sources	
Estimated Funding Costs	£100k
Criteria Met (GI Strategy)	1A 3A 4A 5A 5G 1B 3B 4B 5B 5I 3C 4C 5D 3D 4D 4E
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design
Comments	Education and community engagement

Project Name	Green Way & Blue Way Route Design Guide
Reference No	T12
Map Ref	12
Project Aims	This project aims to develop a guide to inform the design of shared-use greenways and blueways based on good practice examples. The guide would provide advice on route, road crossing and bridge design to accommodate the needs of each mode (pedestrians, cyclists and horse-riders).
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	Norfolk County Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Public
Estimated Funding Costs	£30k
Criteria Met (GI Strategy)	1A 4A 5A 5G 1B 4E 5B 5H 5D 5I 2A 5E 2B
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People
Comments	Linked to green/blue networks. Widen scopes of SPDs

Project Name	Quiet Lanes Project				
Reference No	T13				
Map Ref	13				
Project Aims	This project aims to designate areas of quiet lanes within the rural parts of the Greater Norwich Area.				
Priority for Implementation	Short term (1-3 years)				
Lead Delivery Agency	Norfolk County Council in partnership with parish councils.				
Contact for working up					
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	No funding for this project				
Estimated Funding Costs	£100k				
Criteria Met (GI Strategy)	1A	3B	4A	5A	5F
	1B	3D	4B	5B	5G
			4C	5C	5H
	2A		4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	Sustainable Transport				
Reference No	T14				
Map Ref	14				
Project Aims	<p>This project aims to develop a study to examine the feasibility of</p> <ul style="list-style-type: none"> • Additional bus services • New routes: 50% bus lane, 25% cycles, 25% cars • Late night bus services • Separate cycle lanes • Cycling to school opportunities/initiatives • Landscape • Wildflower seeding • Soft estate management • Re-use of disused railway lines for guided bus routes/cycle ways • Providing cycle parking at appropriate locations/within new developments • Providing access for elderly and mobility impaired users 				
Priority for	Short term (1-3 years)				

Implementation	
Lead Delivery Agency	Norfolk County Council in partnership with transport providers and Sustrans.
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	No justification or funding for this project
Estimated Funding Costs	£50k
Criteria Met (GI Strategy)	1A 3A 4A 5A 5F 1B 3B 4B 5B 5G 3C 4C 5C 5H 2A 3D 4D 5D 5I 2B 4E 5E 4F
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design
Comments	Linked to blue/green networks. Project describes much of core, ongoing activity of the P&T Dept. Issues are being dealt with through a number of regular activities including NATS/LTP, travel planning etc.

Project Name	Green Infrastructure Guidelines for Developers
Reference No	T15
Map Ref	15
Project Aims	This project aims to develop guidelines for developers on incorporating green infrastructure principles into the design of new developments through green, sustainable and people-friendly measures - e.g. housing density, energy efficiency, greenspace, adapting to climate change, SuDS, etc.
Priority for Implementation	Short term (1-3 years)
Lead Delivery Agency	Norfolk County Council in partnership with Natural England.
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery	Public

Schedule of Potential Green Infrastructure Projects

Appendix 7

Mechanism/ Funding Sources																									
Estimated Funding Costs	£70k																								
Criteria Met (GI Strategy)	<table style="width: 100%; border: none;"> <tr> <td style="width: 25%; text-align: center;">3A</td> <td style="width: 25%; text-align: center;">4A</td> <td style="width: 25%; text-align: center;">5A</td> <td style="width: 25%; text-align: center;">5F</td> </tr> <tr> <td></td> <td style="text-align: center;">4B</td> <td style="text-align: center;">5B</td> <td style="text-align: center;">5G</td> </tr> <tr> <td></td> <td style="text-align: center;">4C</td> <td style="text-align: center;">5C</td> <td style="text-align: center;">5H</td> </tr> <tr> <td></td> <td style="text-align: center;">4D</td> <td style="text-align: center;">5D</td> <td style="text-align: center;">5I</td> </tr> <tr> <td></td> <td style="text-align: center;">4E</td> <td style="text-align: center;">5E</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">4F</td> <td></td> <td></td> </tr> </table>	3A	4A	5A	5F		4B	5B	5G		4C	5C	5H		4D	5D	5I		4E	5E			4F		
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	4B	5B	5G																						
	4C	5C	5H																						
	4D	5D	5I																						
	4E	5E																							
	4F																								
Key Themes Supported (GI Strategy)	Theme 4 – Adapting to Climate Change through Sustainable Planning and Design																								
Comments	Linked to blue/green networks. Widen scope of SPDs Open Space Strategy																								

MEDIUM/LONG-TERM POTENTIAL GREEN INFRASTRUCTURE PROJECTS**NORWICH URBAN AREA PROJECTS**

Project Name	Norwich Crossings and Bridges – Whitlingham (Phase 2)				
Reference No	U8				
Map Ref	8				
Project Aims	The project will include investigating feasibility for bridge connections across the Wensum from the Deal Ground/Yacht Station to Utilities site and thereby extend access to and from the City and Whitlingham Country Park				
Priority for Implementation	Medium term (4-8 years)				
Lead Delivery Agency	Norwich City Council with partners and landowners				
Contact for working up					
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£1.75m				
Criteria Met (GI Strategy)	1A	3B	4A	5A	5F
	1B	3D	4B	5B	5G
			4C	5C	5H
	2A		4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	Mulbarton - Swardeston Green Way				
Reference No	U9				
Map Ref	9				
Project Aims	This project aims to acquire a corridor of land to create a greenway for cyclists and pedestrians linking Mulbarton with Swardeston and Lakenham Way to overcome the major barrier presented by the B1113.				
Priority for Implementation	Medium term (4-8 years)				
Lead Delivery Agency	Norfolk County Council in partnership with South Norfolk DC and Sustrans.				
Contact for working up					
Pilot Projects?					

Project Name	Lakenham Common: Phase 2
Reference No	N4
Map Ref	
Project Aims	<p>Applicant details: Norwich City Council; South Norfolk Council; Norwich Fringe Project</p> <p>Lead Contact/Project Manager: George Ishmael – Norwich City Council; Matt Davies – Norwich Fringe Project</p> <p>Location of the project: land formerly known as Harford Tip, Hall Rd/Ipswich Rd, Norwich. The site was formerly the main municipal dump for Norwich as well as taking waste from further afield.</p> <p>Description of the project: A project with several strands to provide a new element of multifunctional green infrastructure to the south of Norwich. Building on the works carried out under Phase 1, the project seeks to create public access onto the former tip site, where the high point at the centre offers exceptional views across the adjacent river valley landscape. The site lies at a hinge point in the river/railway network, and offers engagement with both the arches of the main line viaduct, and gentle course of the River Yare.</p> <p>The project includes:</p> <ul style="list-style-type: none"> - creating access onto the former site (fencing & gates; vegetation management at site entrances; signage; interpretation & publicity) - extending the footpath along the banks of the River Yare - creating a footpath network around the perimeter and across the site, with a viewing/kite flying area at the local high point on top of the former refuse tip. - provision of information & signage - investigating the potential for a small car/cycle park (accessed from the closed section of Old Hall Rd) and small scale facilities (education building/additional interpretation panels/boat-launching) - management of the grassland habitat - Feasibility study into the means of forming linkages with adjacent communities and sites in the Yare/Wensum and Tas valleys, including the means of achieving river/rail crossings to maximise the potential access to the site. <p>Requirement for the project: providing access to the Yare valley in an area of planned growth, with linkages to the countryside to the south of Norwich for the existing communities to the south of Norwich. Potential for links to the Tas Valley and Caistor Roman Town/Whitlingham Country Park beyond.</p> <p>Ownership of the project land: Norwich City Council Council (which has been monitoring the site since capping in 1990/91). NCC searched for and found no signs of radioactivity (the waste had of course been lead-wrapped). The capping method was</p>

	<p>nevertheless designed bearing all these issues in mind to minimise risk. Since capping, the tip has been monitored for landfill gases and the river has been monitored for leachate contamination. Landfill gases have not escaped from the tip but, within the tip, levels have been very high but are now starting to decrease. The next gas monitoring will take place in September. NCC also owns the site adjacent to the main landfill area, where Phase 1 works are planned, where fences are maintained to secure the site from trespass.</p> <p>Details of landowner permission: Initial discussions offer no issues regarding permissions/consents. Infrastructure exists at site entrance, as the basis for a range of facilities at a future country park (services/turning areas etc). Proposed scheme addresses regular management issues relating to trespass/stock grazing.</p> <p>Current use of the project land: fenced grassland and woodland (with regular public trespass) with annual inspection of vents. Other than monitoring the site has been left alone since capping. The public have been prevented from accessing the tip due to the high levels of landfill gas that are vented via boreholes around the periphery of the site. The key principles of managing the site are not to penetrate the capping layer in any way - tree roots, foundations, general damage and to prevent standing water - ponds, depressions, wear and tear of the surface.</p> <p>Predicted costs and amount of funding sought: £200k for Phase 2 - creating access onto the former site (fencing & gates; vegetation management at site entrances; signage; interpretation & publicity) - extending the footpath along the banks of the River Yare - creating a footpath network around the perimeter and across the site, with a viewing facility at the high point in the centre. - provision of information & signage</p> <p>Proposed timescales: Medium term (4-8 years)</p> <p>Details of project partners: Yare Valley Society; Residents Forum; Norwich City Council; Norwich Fringe Project</p>
Priority for Implementation	Medium term (4-8 years)
Lead Delivery Agency	Norwich City Council with the Yare Valley Society; Residents Forum; Norwich City Council; Norwich Fringe Project and South Norfolk Council
Contact for working up	George Ishmael – Norwich City Council; Matt Davies – Norwich Fringe Project
Pilot Projects?	
Linked Directly to Growth?	Indirect link but impact over longer term
Delivery Mechanism/	S106 match funded

Funding Sources																															
Estimated Funding Costs	£200,000																														
Criteria Met	<table border="0"> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3B	4B	5B	5G		3C	4C	5C	5H	2A	3D	4D	5D	5I	2B		4E	5E				4F		
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	3C	4C	5C	5H																											
2A	3D	4D	5D	5I																											
2B		4E	5E																												
		4F																													
Key Themes Supported	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 2 – Making Space for Wildlife</p> <p>Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People</p> <p>Theme 4 – Adapting to Climate Change through Sustainable Planning and Design</p>																														
Comments	Linked to green/blue networks																														

NORWICH FRINGE PROJECTS

Project Name	Mousehold Heath & Northeast Norwich Heathlands-Phase 3
Reference No	F7B
Map Ref	7
Project Aims	<p>Mousehold Heath was once one of the largest areas of heath/wood pasture and enclosed woodland in the Eastern Region and remains one of the foremost sites for biodiversity close to the heart of a major city. Whilst some restorative and management work is underway there remain significant areas subject to neglect and scrubbing up. The historic connections of heathland and wood pasture, extending to the northern Broads are extremely fragmented. Accessibility needs to be improved and links made to this historical context, supporting the communities' understanding of the area. There are also opportunities to restore the landscape such as Rackheath landfill site.</p> <p>The current Heath is of paramount importance as a core area for wildlife and its condition will radically affect the success of future green infrastructure projects associated with potential housing growth in the northeast sector of Norwich. Earlier intervention to improve the heath is vital to achieve this vision. The project would work in partnership with the local community groups, voluntary conservation bodies, Natural England and local authorities. Some finances are already being utilised through Higher Level Stewardship, delivering improvements in partnership with the Mousehold Heath Conservators, but additional resources are required to bring the programme forward and provide the resilience that the site needs in anticipation of substantial new usage pressures (a factor that HLS does not allow for).</p> <p>In addition, further work is needed to develop the concept of</p>

Schedule of Potential Green Infrastructure Projects

Appendix 7

	extending the heathland and wood pasture towards the Broads and using these areas to support access connections between the growing communities in the north-east sector of Norwich. Developer contributions could play a significant part in realising this vision and incorporating opportunities associated with the Norwich Northern Distributor Road will also play a key role, through the sensitive design of "green bridges" and landscape-planning of the wider road corridor.				
Priority for Implementation	Medium term (4-8 years)				
Lead Delivery Agency	Norwich City Council in partnership with Broadland DC, Norfolk County Council, Natural England and The Norwich Fringe Project				
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£650,00				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	South West Norwich Ecological Networks – Phase 2
Reference No	U12
Map Ref	12
Project Aims	This project aims to link the ancient woodland of the area between Norwich, Wymondham and the River Yare. It will create buffers around existing woods and establish new woodland areas, linking sites and improving long-term management. The sites would connect to and integrate with the Kett's County and Tas Valley Way.
Priority for Implementation	Medium term (4-8 years)
Lead Delivery Agency	Norfolk County Council, in partnership with the Forestry Commission, Anglia Woodfuels and Natural England.
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	

Schedule of Potential Green Infrastructure Projects

Appendix 7

Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£300k				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People Theme 4 – Adapting to Climate Change through Sustainable Planning and Design				
Comments					

Project Name	Bowthorpe 3Score
Reference No	N16
Map Ref	
Project Aims	Formation of a country park, comprising play and green networks and water crossing Bowthorpe southern park. Bawburgh crossing path/cycle route, location of crossing point has been identified.
Priority for Implementation	
Lead Delivery Agency	Norwich City
Contact for working up	Mary McHugh
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	PFI match funded
Estimated Funding Costs	£1,500,000 (country park and crossing)
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Catton Chalk Pit
Reference No	N5

Schedule of Potential Green Infrastructure Projects

Appendix 7

Map Ref	
Project Aims	Catton Chalk pit is a geo-SSSI of 500 sq m. Currently mostly wooded-scrub. It is understood that the Developer that owns the land is unable to obtain planning permission to build on it so possibly would like to sell it. Possible opportunity to purchase and manage for access/green links as a pocket park.
Priority for Implementation	
Lead Delivery Agency	Suggested by M. Burrell, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	Possibly
Delivery Mechanism/ Funding Sources	Med and long term
Estimated Funding Costs	£10,000
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Semi Green Bridge, NDR Rackheath
Reference No	N19
Map Ref	
Project Aims	There is a proposal for a 'semi green bridge' over the NDR at Rackheath. A low cost possibility would be to enhance a network of links to this crossing. A more ambitious idea would be to enhance the structure by a much wider crossing although this would require the bulk of the funding available.
Priority for Implementation	
Lead Delivery Agency	
Contact for working up	Judith Cantell, Norfolk County Council
Pilot Projects?	
Linked Directly to Growth?	Yes
Delivery Mechanism/ Funding Sources	Possible capital funding for road scheme and bridge through Regional Funding Allocation, County Council and S106. Additional match funding required.
Estimated	£1,000,000 (for additional costs)

Funding Costs	
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	

Project Name	Northern Gates network Phase 1 – Circular route & links between Pointers Field, Waterloo Park & Wensum Park
Reference No	N26
Map Ref	
Project Aims	<p>A network of green links to provide wider links from Northern City Centre Action Plan (NCCAP) and via Mousehold Heath towards proposed Rackheath development area.</p> <p>Phase 1: (p49 NCCAP - Fig 108) continue key routes identified from ‘proposed public realm’ i.e. St Augustine’s and Edward Street. The project will include techniques (e.g. marked distances; guided health walks; seats; signage; enhanced environment and removal of barriers to access) to create circular green links in predominantly residential area to encourage recreational / health walking to local destinations (e.g. parks) and more distant spaces.</p> <p>Phase 2 – Extension of links to Mousehold Heath and wider area towards Rackheath; linking gaps in facilities, incorporating safe routes to school, spaces in which to create traffic-free islands for play/or sitting.</p> <p>It is the connections to the wider area, particularly between inner and outer ring road that will need further reinforcement in order to deliver connectivity. The project aims to create a coherent public domain from incidental and under-used space, particularly in residential areas. Some of the techniques and use of appropriate materials etc. can then be used again, so providing guidelines and low cost deliverability elsewhere in the growth area.</p> <p>Within an area of severe deprivation the project will provide easier access and connections to open space and healthy walks from the doorstep.</p> <p><i>Currently there is a demand for longer health walk routes, extending beyond existing schemes within Waterloo Park and Pointers Field. This project will establish these routes and mark them in a permanent way to enable independent use, based on the expertise of Health Walk co-ordinators.</i></p> <p>Outputs;</p> <p>3 Km of marked walking route – depending on final route decision</p>

	<p>Information provided for leaflets as part of Norfolk County Council's roll-out of Health Walks programme;</p> <p>Outcomes; Increased number of people participating in Health Walks; The Norwich Fringe Project has recorded on their database 2,000 people who have participated in Health Walks over the last year. These have taken place from Pointers Field, Waterloo Park and Mousehold Heath. This project will provide better links between these open spaces. Initiation of a programme of self-guided walks</p> <p>Phase 1 is a stand-alone project which brings its own separate benefits. It is however, an initial step in building up a wider network of multi-functional open space</p>
Priority for Implementation	
Lead Delivery Agency	<p>Norwich City Council Andy Watt – AndyWatt@norwich.gov.uk 01603 213511</p> <p>(with Norwich Fringe Project (particularly Health Walks);Community Forums; Norfolk County Council; www.walkit.com; Norfolk net walking)</p>
Contact for working up	<p>George Ishmael – georgeishmael@norwich.gov.uk – 01603 213520 Mary McHugh - marymchugh@norwich.gov.uk - 01603 213527</p>
Pilot Projects?	
Linked Directly to Growth?	<p>Strategically necessary to provide linked and sustainable green /open space access & infrastructure. Taking advantage of Norwich's position at the hub of growth area. The schemes identified here (see also Riverside Walk and Churchyards Health & Heritage Walks) are in the northern sector of the city and as such may be associated with the Council's support of NNDR</p> <p>Northern City Centre Action Plan <i>(p18) 3.2.1 Vision for the area – '...a distinctive identity, including a developing strength in locally based cultural and arts activities, and a safe and attractive public environment that encourages people to walk and cycle around the area...., serving the wider suburban areas of North Norwich, while providing excellent accessibility by all modes of transport both for movements from that catchment area and for movements within the wider city centre;</i> <i>(P62) 4.6.3 Consultation...showed broad support for the improvement of the green link network through the area... Local links will be formed to create continuous habitats between the area and the river corridor, major open spaces (e.g. Mousehold Heath) and open countryside. This approach links to the strategy for the protection and extension of open space.</i> <i>(P63) 4.6.6...important that ... access to [open spaces] is easy and clear from the pedestrian network and green links through the areas. They should be a key element of the design of new development and be overlooked by uses that are active...</i></p>

Delivery Mechanism/ Funding Sources	S 106
Estimated Funding Costs	Phase 1 – £50k [2009-10]; Phase 2 – link to Mousehold Heath - £50k [2010-11]; Phase 3 – link along Woodcock Road - £150k [20011-12] Secured; A small amount of additional funding could relate to this project in the way it is used (e.g. linking signs/entrances) from Section 106 for Pointers Field: £8k for tree planting + £60k (play)
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	Phase 1: 3 km – A circular route & links between Pointers Field, Waterloo Park & Wensum Park. Connected to Joint Core Strategy Consultation and proposals for Northern City Centre Action Plans; community forum work; cycle maps; The proposal is based on the experience of the increasing demand for the existing Health Walks programme

NORWICH FRINGE ENVIRON PROJECTS

Project Name	The Mid Yare National Nature Reserve: Phase 2
Reference No	F12A
Map Ref	2
Project Aims	<p>The Mid Yare National Nature Reserve, between Brundall and Cantley, is managed by the RSPB. The reserve currently received relatively modest visitor numbers (around 20,000 per year), despite its proximity to urban areas. Poor accessibility and lack of facilities are key problems, which will be exacerbated in the future. Further, a significant area of the NNR is currently in "unfavourable" condition. Plans have been developed by the RSPB to enhance access and capacity, including the following proposals:</p> <ul style="list-style-type: none"> • Restoration of 104ha neglected fen at Strumpshaw • Railway bridge • Car parking improvements • Refurbishment of Buckenham train station • Refurbishment of visitor's reception and information at Strumpshaw • Provision of moorings on river Yare and associated visitor facilities <p>The project is situated within the East Norwich – Broads – Great Yarmouth sub-regional corridor and close to the east-Norwich-Brundall – Acle- Great Yarmouth corridor and the Northern GNA Local GI Corridor Network. It lies within the core biodiversity area, and reedbeds and fen creation and enhancement zones. Situated close to the planned housing growth area in east Norwich, and more accessible by public transport than other Broadland nature</p>

	<p>reserves with significant visitor facilities, the project site is likely to face increased demand. The project aims to increase capacity to cope with increased demand, both in terms of numbers, and by increasing its accessibility and appeal to as broader section of the community.</p> <p>The project is required to fulfil the following objectives:</p> <ul style="list-style-type: none"> • To provide local people access to high quality greenspace; in order to mitigate the effects of housing growth and increasing urbanisation of Norwich. • To provide informal and formal education for people of all ages • To provide a high quality community resource <p>To boost tourism and the local economy</p> <p>The project will significantly increase access to, and capacity of, the Mid Yare National Nature Reserve, providing a large and accessible green space on the edge of the urban fringe. Access by sustainable transport would be enhanced, thus reducing dependence on car travel and the associated impacts of greenhouse gas emissions.</p> <p>The project will significantly increase opportunities for people to access green space and engage with their natural environment. It is estimated that annual visitor numbers could increase to 35,000 at Strumpshaw Fen and 10,000 at Buckenham Marshes.</p> <p>The following strategic priorities are of particular importance to this project:</p> <p>Environmental Protection – protecting and enhancing green infrastructure.</p> <p>Economic Renewal – reviving local infrastructure and environments by improving the quality of the green environment.</p> <p>Cohesive communities – promoting social capital through volunteering opportunities; informal and formal education for people of all ages</p> <p>Enterprise and Business Support – building the visitor economy and increasing visitor spend</p> <p>The project will provide multi-functional benefits across all areas of: landscape/townscape character, biodiversity, access, prominence/visibility, healthy living and educational opportunities.</p> <p>Habitat Enhancement</p> <p>The habitat enhancement elements of the project form part of a strategy to protecting the freshwater habitats and wildlife of international importance, and the viability of the visitor enterprise, in the face of climate change. The work will reinstate a more natural water flow, increasing the ability of the site to cope with periodic saltwater floods, which are increasing with sea level rise, and together with habitat creation off-site, will sustain the habitats for several decades more.</p>
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	<p>Community Enrichment and Quality of Life The improvements of the site will facilitate greater opportunities for community involvement, through volunteering, educational visits and out-of school activities for young people, life-long learning opportunities and through community use of the facilities. The health benefits of access to high quality green space are widely documented and this RSPB project will provide mental, social and physical health benefits to local people.</p> <p>Economic Boost The total visitor spend in the Norfolk Broads is estimated as £99,536,299 and the number of full time equivalent jobs created through tourism is 1,856. In 2006, the total number of people on trips to the Broads (day and staying) reached 1,206,300. As environmental tourism becomes a more important draw for visitors, the economic benefit of nature reserves will become more important for the wider economy. Increased visiting will bring economic benefits to local businesses. Visitors to Mid Yare nature reserve spend an estimated £300,000 in the local area each year. This sum, combined with the £200,000 spend by the reserve, helps to support the equivalent of 23 full-time jobs in the local area.</p> <p>Please note that the medium and long-term plans are aspirational projects and require further planning; and to under go further RSPB Internal management and approval processes- before taking projects to a full application.</p> <p>Medium term plans (start 2013-14) Fen hide replacement – at options assessment stage; WC replacement – need established; Moorings – Strumpshaw and Buckenham - Strumpshaw Fen saltwater flushing – feasibility study in consultation with Environment Agency and Natural England currently underway.</p> <p>Long term plans (start 2015-19) Railway crossing safety – options to be considered in 2009/10 through joint risk assessment with Network rail. New visitor reception/activity centre – options still to be assessed. Outputs; 1100m of path upgraded to all weather surface, completing 2500m circular walk suitable for wheelchairs, buggies, etc. Creation of 1.5 ha of wet reedbed and pools New enlarged and fully accessible hide with views over pools and reedbeds, with 150m of accessible path Updated toilet facilities fully wheelchair accessible, with baby changing facilities. Moorings for 12 boats at Strumpshaw and 8 at Buckenham New water control structures and culverts Railway crossing safety improvements – options still under consideration (warning lights and/or redesigned gates and</p>
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	<p>signage) New visitor reception/activity centre Outcomes; Increase visitor capacity at Strumpshaw from current 18,000 pa (at capacity) to 35,000 pa (incl. 6000 pa by boat) Increase visitor numbers to 25,000 pa by 2014 and 35,000 pa by 2019. Increase visitor spend in local community from an estimated £99,536,299. Increase in community use of reserve from c. 10 events pa to 20 pa; Reduction in risk/increase in safety at rail crossing. Annual mean salinity reduced (from 2000 to <1500 uS/cm) Subsequent recovery of species- rich ditch flora and fish populations Increase in bittern breeding success. Freshwater conditions sustained in face of climate change, for 50 years or more. Increase in quality of life indicators for health, well-being and access to high quality green space.</p>
Priority for Implementation	Medium-long term (2013-2019)
Lead Delivery Agency	RSPB Fiona Taylor, The RSPB, Regional Development Officer, (01603) 697594 (with Broads Authority, Natural England, Network Rail, Environment Agency; and other national and local groups).
Contact for working up	Fiona Taylor, The RSPB
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	<p>No Funds secured to date. Please see qu.18 below. The RSPB will plan and fundraise for the work enclosed annually, in partnership with relevant organisations and funding bodies. Moorings – Broads Authority have indicated that they could part fund this element. Rail crossing safety improvements – network rail may contribute in-kind or by funding some improvements. Strumpshaw Fen saltwater flushing - part funding likely from Natural England.</p> <p>The RSPB is committed to developing the Mid Yare nature reserve for the long term, and following any time bound grant assistance; we will continually seek alternative sources of funding to secure it's future. The long-term financial sustainability of the Mid Yare nature reserve will be secured through sound business and financial management. Future project costs are projected and fundraised against annually. In addition to external grant funding, the financial sustainability of the Mid Yare nature reserve is achieved through income generated from membership, donations and reserve</p>

	funding such as the Higher Level Environmental Stewardship Scheme.				
Estimated Funding Costs	<p>Description A package of investment to increase visitor capacity and improve accessibility, while increasing the long-term viability of the wildlife and habitats and visitor enterprise. Please note that the medium and long-term plans are aspirational projects and require further planning; and to under go further RSPB internal management and approval processes- before taking projects to a full application.</p> <p>Medium term plans (start 2012-14) Fen hide replacement £50,000 Replacing the cramped and aging fen hide with a bigger and more attractive hide, that is fully accessible to all visitors. WC replacement £30,000 Upgrading the 25 year-old visitor toilets to modern, fully accessible standards, with baby-changing facilities. Moorings - £40,000 Providing moorings at Strumpshaw and Buckenham to allow river users to access the reserves. Costs include the provision of RSPB interpretation of this riverside access point. Strumpshaw Fen saltwater flushing £30,000 Designing and installing water control structures and new culverts to re-establish flow of a small stream through the fen, flushing out saltwater after surge tides. Estimated Total Cost: £150,000</p> <p>Long term plans (start 2015-19) Railway crossing safety £250,000 Engineering works to reduce the risk to pedestrians crossing the railway to enter the reserve: options still being assessed, but include warning lights, realigning gates, improved signage or a bridge. New visitor reception/activity centre £150,000 A new purpose-built fully accessible visitor reception building, with panoramic views over Strumpshaw Broad and the fen. Estimated Total Cost: £400,000</p>				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	The Mid Yare Nature Reserve consists of Strumpshaw Fen, Surlingham Broad, Buckenham and Cantley Marshes and includes the areas below.				

	<p>The reserve office address is: The RSPB Mid Yare Nature Reserve, Low Road, Strumpshaw, Norwich, NR13 4HS The reserve site office is rural – Grid Ref OS 134:341066</p> <p>All sites have the following designations: National Nature Reserve (NNR) Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Environmentally Sensitive Area RAMSAR site</p> <p>The RSPB will provide detailed information for the full project assessment procedure – using the recently devised methodology – when guidance and forms are supplied for the next stage of this process.</p>
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Project Name	Tas Valley Blue Way – Phase 2				
Reference No	F14A				
Map Ref	4				
Project Aims	This project aims to enhance the function, quality and accessibility of the valley as a Blue Way within the overall green infrastructure network. The project would deliver: <ul style="list-style-type: none"> • River corridor meadow/wetland enhancements • Links to Roman heritage site at Caistor St Edmund • South Norwich communities link to greenspace via foot and cycle ways • Possible green way links to Bungay 				
Priority for Implementation	Medium/long term				
Lead Delivery Agency	South Norfolk DC in partnership with Norfolk County Council.				
Contact for working up					
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£1m				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3D	4C	5C	5H
	2A		4D	5E	5I
	2B		4E		
			4F		
Key Themes Supported (GI)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes				

Strategy)	Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People
Comments	Refer to Norwich City Council - River Valley Strategy 2001

Project Name	South Norfolk Claylands Landscape Project
Reference No	F16
Map Ref	6
Project Aims	<p>The South Norfolk Claylands Project is an inspirational project to increase the area of land available for wildlife in South Norfolk by buffering and connecting existing wildlife habitats. The project takes an umbrella approach, linking existing biodiversity initiatives; it also seeks to support community action for wildlife and to encourage greater awareness of the landscape history and biodiversity of the unique and ancient Claylands landscape</p> <p>The South Norfolk Claylands Pilot Project (2000-2004), which covered a small pilot area, identified the following biodiversity interest in South Norfolk:</p> <ul style="list-style-type: none"> • Biodiversity Action Plan (BAP) priority habitats including lowland meadows and pastures, fens, ponds, woodlands and ancient hedgerows. The UK BAPs identify species and habitats in need of conservation action and set targets on a national and county basis for addressing this need. • Priority BAP species, most notably great crested newt, water voles, otter and bats (including barbastelle), as well as skylark, turtle dove and bullfinch. • Veteran trees. <p>The pilot project was set up to explore the challenges to proactive biodiversity work in the district, these included:</p> <ul style="list-style-type: none"> • Few large, well known nature reserves – Ashwellthorpe & Big Wood (NWT) being the most obvious. • Fragmented land ownership, with many smaller holdings, meaning that take up of agri-environment schemes had been slower than it other parts of Norfolk. • District heavily over-shadowed by the more high profile areas of wildlife interest of the Norfolk Broads, Breckland and the coast. <p>The project concluded that a partnership approach, engaging both private landowners and community groups was essential to increase the awareness of biodiversity in South Norfolk and to improve both the quality of existing habitats and the links between them. The project also concluded that there were a number of flagship species (notably great crested newt and the nationally scarce sulphur clover) that could engage public interest in ecological networks.</p> <p>The pilot suggested a new project to initiate new approaches to landowners, develop practical help for habitat management and to develop a sense of identify for the landscape, linked to landscape</p>

	<p>history and public access.</p> <p>Outputs;</p> <ul style="list-style-type: none"> • Develop and deliver a project to link, buffer and restore existing habitats, using flagship species to aid awareness of this work; this could include visionary ideas, such as creating a new common for every village and will require both a business plan and further funding. • Providing practical support for bringing a targeted number of CWS into better condition. The production of site management statements for those sites reviewed in 2007 will be a starting point for this work. • To initiate a green hay project, where hay from flower-rich meadows is used to create new grassland habitats, specifically focused on restoring populations of sulphur clover. • To link biodiversity work with existing initiatives on access and health, where appropriate, and to expand existing work on protecting wildlife through future development and development control. This will involve working with partners from community groups, historic conservation groups and local authorities. Some of this work will link to and expand the works of the NWT Natural Connections project on community participation and biodiversity, including the pilot project in Saxlingham Nethergate. <p>To raise the profile of the landscape and biodiversity of South Norfolk through public events and publicity.</p> <p>Outcomes;</p> <p>Norfolk BAP targets for habitat created and restoration met NI 197 targets for CWS in positive conservation management met for project area LAA local target for Ecological Networks met for project area Project will contribute towards ANGST targets for areas of publicly accessible greenspace within project area</p>
Priority for Implementation	Longer term (9-15 years)
Lead Delivery Agency	South Norfolk DC in partnership with Natural England, NBIS, NWT, NCC.
Contact for working up	John Hiskett 01603 625540 johnh@norfolkwildlifetrust.org.uk
Pilot Projects?	
Linked Directly to Growth?	Contributes to fulfilling Greater Norwich GI Strategy within South Norfolk area Claylands Project is in the Greater Norwich GI Strategy
Delivery Mechanism/ Funding Sources	Staff time from South Norfolk Council and Norfolk Wildlife Trust for wildlife site advisory work. Funding for previously completed pilot project by Natural England Funding for “Rebuilding Biodiversity in South Norfolk” report and

	Funding for Business Plan from South Norfolk Council, South Norfolk Alliance and Norfolk Wildlife Trust				
Estimated Funding Costs	£50k - To be set out in Business Plan				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3D	4C	5C	5H
	2A		4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	Link to SW EcoNets The Claylands is an established project that has been developing in a low key way for a number of years that has now reached the stage of seeking to broaden its aims and programme of work. As many of the project aims are identical to aims of the Greater Norwich GI Strategy there is now a clear opportunity to develop the Claylands project as a key delivery agent of the GI Strategy.				

Project Name	Rural Settlements Doorstep Greenspaces				
Reference No	F17				
Map Ref	7				
Project Aims	This project aims to provide amenity greenspaces on the ‘doorstep’ around rural settlements to buffer and integrate new development, enhance settings and provide accessible greenspace.				
Priority for Implementation	Medium term (4-8 years)				
Lead Delivery Agency	Norfolk County Council in partnership with Broadland DC, South Norfolk DC and local community groups.				
Contact for working up					
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£2m				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5h
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		

Schedule of Potential Green Infrastructure Projects

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Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People
Comments	Linked to blue/green networks.

Project Name	Norwich to Broads via Yare Valley Blue Way				
Reference No	F18				
Map Ref	8				
Project Aims	This project aims to enhance the function, quality and accessibility of the valley as a Blue Way within the overall green infrastructure network. The project would deliver: <ul style="list-style-type: none"> • Public access improvements • ‘Greening’ of route corridors/experience • River crossings • Biodiversity management 				
Priority for Implementation	Medium term (4-8 years)				
Lead Delivery Agency	The Broads Authority				
Contact for working up	Andrea Kelly				
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Combination of public and private				
Estimated Funding Costs	£2m				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	North West Norwich Forest				
Reference No	F19				
Map Ref	9				
Project Aims	This project aims to masterplanning to examine the opportunities for developing a major landscape-scale habitat enhancement				

Schedule of Potential Green Infrastructure Projects

Appendix 7

	initiative based on creating a Thetford Forest type habitat mosaic.				
Priority for Implementation	Longer term (9-15 years)				
Lead Delivery Agency	Norfolk County Council in partnership with Natural England and the Norfolk Wildlife Trust.				
Contact for working up					
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£50k				
Criteria Met (GI Strategy)	1A	3A	4A	5A	5F
	1B	3B	4B	5B	5G
		3C	4C	5C	5H
	2A	3D	4D	5D	5I
	2B		4E	5E	
			4F		
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments					

Project Name	Yare Valley west of Norwich Blue Way
Reference No	F20
Map Ref	10
Project Aims	including its tributaries of the Rivers Tiffey and Bays) as a Blue Way masterplanning. The project would deliver: <ul style="list-style-type: none"> • Access improvements (such as a linked access route along the northern bank of the River Yare) • Open space provision for communities on the western fringes of Norwich • Habitat enhancements
Priority for Implementation	Medium term (4-8 years)
Lead Delivery Agency	Norfolk County Council in partnership with South Norfolk Dc and the Environment Agency.
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Public

Estimated Funding Costs	£50k				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				
Comments	Linked to green/blue networks				

Project Name	Bure Valley Blue Way				
Reference No	F21				
Map Ref	11				
Project Aims	This project aims to enhance the function, quality and accessibility of the valley as a Blue Way within the overall green infrastructure network. The project would deliver: <ul style="list-style-type: none"> • Public access improvements • ‘Greening’ of route corridors/experience • River crossings • Biodiversity management 				
Priority for Implementation	Longer term (9-15 years)				
Lead Delivery Agency	The Broads Authority in partnership with Broadland DC, the Environment Agency and Norfolk County Council.				
Contact for working up	Andrea Kelly				
Pilot Projects?					
Linked Directly to Growth?					
Delivery Mechanism/ Funding Sources	Public				
Estimated Funding Costs	£2m				
Criteria Met (GI Strategy)	1A 1B 2A 2B	3A 3B 3C 3D	4A 4B 4C 4D 4E 4F	5A 5B 5C 5D 5E	5F 5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes Theme 2 – Making Space for Wildlife Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People				

Schedule of Potential Green Infrastructure Projects

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	Theme 4 – Adapting to Climate Change through Sustainable Planning and Design
Comments	Linked to green/blue networks

Project Name	Waveney Valley Blue Way																														
Reference No	F22																														
Map Ref	12																														
Project Aims	<p>This project aims to enhance the function, quality and accessibility of the valley as a Blue Way within the overall green infrastructure network. The project would deliver:</p> <ul style="list-style-type: none"> • Public access improvements (e.g. linking to the existing Angles Way in Suffolk) • ‘Greening’ of route corridors/experience • River crossings • Biodiversity management • Heritage enhancement (e.g the Geldeston Locks restoration, access and interpretation project) 																														
Priority for Implementation	Longer term (9-15 years)																														
Lead Delivery Agency	The Broads Authority in partnership with South Norfolk DC, the Environment Agency and Norfolk County Council/Suffolk County Council																														
Contact for working up																															
Pilot Projects?																															
Linked Directly to Growth?																															
Delivery Mechanism/ Funding Sources	Public																														
Estimated Funding Costs	£2m																														
Criteria Met (GI Strategy)	<table> <tr> <td>1A</td> <td>3A</td> <td>4A</td> <td>5A</td> <td>5F</td> </tr> <tr> <td>1B</td> <td>3B</td> <td>4B</td> <td>5B</td> <td>5G</td> </tr> <tr> <td></td> <td>3C</td> <td>4C</td> <td>5C</td> <td>5H</td> </tr> <tr> <td>2A</td> <td>3D</td> <td>4D</td> <td>5D</td> <td>5I</td> </tr> <tr> <td>2B</td> <td></td> <td>4E</td> <td>5E</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4F</td> <td></td> <td></td> </tr> </table>	1A	3A	4A	5A	5F	1B	3B	4B	5B	5G		3C	4C	5C	5H	2A	3D	4D	5D	5I	2B		4E	5E				4F		
1A	3A	4A	5A	5F																											
1B	3B	4B	5B	5G																											
	3C	4C	5C	5H																											
2A	3D	4D	5D	5I																											
2B		4E	5E																												
		4F																													
Key Themes Supported (GI Strategy)	<p>Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes</p> <p>Theme 2 – Making Space for Wildlife</p> <p>Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People</p>																														
Comments	Linked to green/blue networks																														

Project Name	Trinity Broad Restoration Project
Reference No	N21
Map Ref	

<p>Project Aims</p>	<ul style="list-style-type: none"> • Enhance and create new 700m circular route at Filby Broad. Providing safe, long-lasting access for all abilities and providing a new platform to provide unrivalled views over the waterscape of Filby Broad. The existing boardwalk requires extensive maintenance and is due for replacement with a more long-term structure. A new surface will be laid on top of the raised path, this path will be created by digging out the dyke that runs alongside the boardwalk and using this material to elevate the level of the path to allow a surface to be put down. • Restoration of an important wetland dyke, which is connected to the lake. This dyke has shallowed and is shaded by recent tree growth. Management will connect it back to the broad and retain its function as an important fish refuge as well as a place for people to view wildlife from the new path. • Creating a new pond dipping area for visitors and school groups by widening an area of the dyke. • Three new interpretation panels will connect people to the natural and historic environment and to raise awareness of the function the Trinity Broads have as drinking water supply for the people of Great Yarmouth. • Bike trails and leaflets will be developed to access the quiet lanes around the Trinity Broads. • Restoration water depth of Ormesby Broad, through sediment removal (mud pumping) in the eastern arm. This will improve the amenity value of lake for quiet recreation by the water having lower nutrient status resulting in less toxic blue green algae. <p>This integrated project in the heart of the Broads visitor attractions combines investment in the quality of the natural environment with enhance green infrastructure for the visitor. Over six million people visit the Broads annually, including day visitors; they put around £320 million into the local economy each year. Many of these visitors come from within the Norwich area to enjoy existing well known visitor attractions, such as the Trinity Broads and its surrounding attractions.</p> <p>The proposed new access route will replace an old well-used boardwalk to provide safe, long-term access in association with restoring a previously high wildlife value ditch which has become overgrown. Research has shown the important role of connecting and restoring dykes with the open water of the lakes for breeding and over-wintering fish. Angling in the Trinity Broads attracts people from a wide area, providing local business opportunities, such as boat hire, and provision of habitat for key species such as bream and pike are key to retaining a good fishery. Providing the opportunity for pond dipping for the young an old alike as well as interpretation panels to connect people to these wetland habitats will aid understanding of the special nature of the Broads environment on the doorstep of new housing developments and how we depend on its ecosystem services, such as water supply and recreation, which include fishing and sailing. The path</p>
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	<p>starts at an existing well maintained and popular car park and will end in a new open-vista viewing platform, with unrivalled views across the open water. Visitor feedback shows that viewpoints of the Broads from the land are highly valued and need to be enhanced, particularly in areas such as the Trinities that have the supporting infrastructure for visitor experience, (e.g. Trigby wildlife park, boat hire, cafes and pubs etc).</p> <p>Lake restoration will ensure that the environment delivers the experience that visitors enjoy, clear and clean water, as well as increasing water depth for aquatic life and remove nutrients to control dangerous blue green algae that restricts water recreation and is likely to get worse in the future with climate change prescriptions unless management action is taken to further reduce nutrient concentrations.</p> <p>The site can be reached by public transport as well as by the network of cycle routes that will be designed as part of the scheme and aim to have train links. New safe cycle routes will link to existing opportunities, such as hire and boat hire to design days out on the land and water and reduce the carbon footprint of visitors by providing opportunities for green days out.</p> <p>The project links to existing opportunities to enjoy the Trinity Broad include a wildlife park, local shops and pubs, garden centre and cafés, boat hire, canoe trips, unrivalled angling, a boat adapted for wheel chairs, wildlife watching. Importantly it builds carrying capacity within the environment to deliver long-term quality of experience in one of the highest quality and accessible Broadland attractions, particularly for day trips from Norwich and surrounding settlements.</p> <p>Outcomes; Greater carrying capacity and length of life built into the access path. A place created for projects for school visits as part of National Park Schools Week, rare viewpoint of lake enhanced and secured, quality of the natural environment enhanced to allow pond dipping within the dyke, less blue green algae in the lake to enhance recreational experience and reduce risk to people and pets. Value of tourism in Broads calculated to be £320 million per year to the local economy.</p>
Priority for Implementation	
Lead Delivery Agency	Broads Authority (Essex and Suffolk Water as partner)
Contact for working up	Andrea Kelly
Pilot Projects?	50ha of lake secured in favourable condition in accordance to government Public Service Agreement Targets for 2010. Viewing platform and 500m of easy access path developed. 500m of dyke restored and a pond dipping area installed. Tens of km of cycle networks identified and guided thought leaflets. At least three new interpretation panels.

Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Funding sourced = £45,000 BA (£30,000), ESW (£5,000), EA (£10,000) for the mud pumping project Cost do not include in kind contributions and project management which will be undertaken by the BA and ESW staff
Estimated Funding Costs	Mud pumping £128,000, Access path and platforms £55,500, Interpretation £6,000, Bike routes £1,000) Total £252,500 (Total required £145,500)
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	<p>Broad to be restored is over 50ha, access path to be enhanced is 450m and it will be extended by 250m by developing a circular route, bike routes will cover many kilometres of the northern Broads countryside.</p> <p>Access path, viewing platform, bike trails and interpretation panels – in the design stage and will be delivered by external contractor and managed by BA/ESW staff.</p> <p>Sediment removal - planning permission and consents in currently progressing, permissions expected to be gained in September and works to commence in September 2009 with BA mud pumping team.</p> <p>Risks; Planning permission is required for the sediment disposal site. Pre-application discussions with the landowner and EA on flood risk and Waste Management licences do not indicate that there will be any problems.</p> <p>The access path is an improvement of an existing structure and again pre-application discussions indicate that there will be no risks to delivery.</p>

Project Name	Upton Access and Broad Restoration
Reference No	N22
Map Ref	
Project Aims	<ol style="list-style-type: none"> 1. Provision of additional car park 2. Establishment of new footpath to enhance access and reduce disturbance to breeding birds 3. Interpretation panels 4. Upton Little Broad restoration - Remove sediment to reduce nutrient and/or restore
Priority for Implementation	
Lead Delivery Agency	Broads Authority (with NWT)

Schedule of Potential Green Infrastructure Projects

Appendix 7

Contact for working up	Andrea Kelly
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Could be delivered in 2009/10 in partnership with NWT, designs complete. Contractors for 1-3 and BA for 4 (as committed to the 09/10 schedule in the Lake Restoration Strategy)
Estimated Funding Costs	1. £17,000 2. 15,000 3. £5,000 4. £50,000 Total £87,000
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	Risk; Low risk – Planning permission

Project Name	Mobile Visitor Centre
Reference No	N23
Map Ref	
Project Aims	Provide Broads information at events & within adjacent communities
Priority for Implementation	
Lead Delivery Agency	Broads Authority
Contact for working up	Andrea Kelly
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	Total £22,000
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	Project scoped

Project Name	Ranworth Rejuvenation
Reference No	N24
Map Ref	
Project Aims	Project includes: 1. Interpretation, signage, picnic tables, linkage to TIC, signage for electric boat trips & free moorings, surfacing, Podcast. 2. Tree and scrub removal north broad.
Priority for Implementation	
Lead Delivery Agency	Broads Authority (with NWT)
Contact for working up	Andrea Kelly
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	Broads Authority have consulted on, designed and planned works and require a budget for delivery in 09/10.
Estimated Funding Costs	1. £54,780 2. £20,000 Total £74,780
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	Risk; Low risk – Planning permission

GREATER NORWICH AREA-WIDE THEMATIC PROJECTS

Project Name	Bikes on Buses and Trains
Reference No	T16
Map Ref	16
Project Aims	This project aims to examine the feasibility of developing a scheme with public transport providers to enable bikes to be more readily carried on buses and trains. This project would: <ul style="list-style-type: none"> • Facilitate the creation of the proposed sustainable movement network for the Greater Norwich Area • Help increase levels of cycling in the Greater Norwich Area • Provide access to more remote destinations for Norwich residents
Priority for Implementation	Medium term (4-8 years)
Lead Delivery	Norfolk County Council in partnership with the relevant bus and rail

Agency	companies			
Contact for working up				
Pilot Projects?				
Linked Directly to Growth?				
Delivery Mechanism/ Funding Sources	Public			
Estimated Funding Costs	£100k - £500k			
Criteria Met (GI Strategy)	1A 1B 2A 2B	4A 4E	5A 5B 5D 5E	5G 5H 5I
Key Themes Supported (GI Strategy)	Theme 3 – Providing a High Quality, Functional and Connected Network of Accessible Greenspaces for People			
Comments	Linked to green/blue networks and education & community engagement			

Project Name	Safe Crossings			
Reference No	T17			
Map Ref	17			
Project Aims	This project aims to improve foot/cycle path crossings across main/heavily used roads, e.g. Marriott's Way/Bure Valley paths and A140.			
Priority for Implementation	Medium term (4-8 years)			
Lead Delivery Agency	Norfolk County Council			
Contact for working up				
Pilot Projects?				
Linked Directly to Growth?				
Delivery Mechanism/ Funding Sources	Combination of public and private			
Estimated Funding Costs	£1m - £2m			
Criteria Met (GI Strategy)	1A 1B 2A 2B	4D 4F	5B 5D	5F 5H
Key Themes	Theme 3 – Providing a High Quality, Functional and Connected			

Supported (GI Strategy)	Network of Accessible Greenspaces for People
Comments	Linked to green/blue networks

Project Name	River Interpretation Strategy			
Reference No	T18			
Map Ref	18			
Project Aims	This project aims to develop a strategy for improving interpretation about the Greater Norwich Area's rivers, including their wildlife, local history and economic benefits.			
Priority for Implementation	Medium term (4-8 years)			
Lead Delivery Agency	The Environment Agency in partnership with Norfolk County Council, Norfolk Wildlife Trust and local heritage groups.			
Contact for working up				
Pilot Projects?				
Linked Directly to Growth?				
Delivery Mechanism/ Funding Sources	Public			
Estimated Funding Costs	£50k			
Criteria Met (GI Strategy)	3A	4A	5A 5D	5I
Key Themes Supported (GI Strategy)	Theme 1 – Sustaining and Enhancing the Character and Local Distinctiveness of Riverscapes, Landscapes and Townscapes			
Comments	Education and community engagement			

Project Name	Bus the Best			
Reference No	N7			
Map Ref				
Project Aims	Study to investigate linking the new housing areas to nature sites – to include liaison with bus companies to provide ‘clean energy’ services, including Saturday and Sunday, which link with primary and secondary, nature / open space areas, especially corridors such as rivers and woodland chains Potential access points (& recharging points?): rail station; bus station; yacht station; park & ride; shopping centres			
Priority for Implementation				
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council			
Contact for working up				
Pilot Projects?				

Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£50,000
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Genotype Project
Reference No	N8
Map Ref	
Project Aims	To promote the use and increase the distribution of East Anglian plant variants e.g. Black poplar; pedunculate oak & other herbs / aquatics / marginals. To consist of initial study to identify East Anglian plant variants, existing distribution and to identify potential targets. Potentially future funding to support implementation.
Priority for Implementation	
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£50,000
Criteria Met	
Key Themes Supported	
Comments	

Project Name	FloodPlain
Reference No	N9
Map Ref	
Project Aims	Identify potential sites for enhancement associated with rivers & wetlands within the floodplain– which could effectively ‘join the dots’ and extend the overall wildlife potential network The project would use the flood plain (50 / 100 yr flooding) The project would provide a series of BAP habitats & protected

Schedule of Potential Green Infrastructure Projects

Appendix 7

	species Potential capital projects could involve: Restore/create – fen ; marsh; meso lakes; wet woodland
Priority for Implementation	
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£500,000 for approximately 20 hectares (based on £25,000/ha)
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Wet woodland within the floodplain
Reference No	N10
Map Ref	
Project Aims	Similar to wooded ridge project. Identify suitable sites for wet woodland creation and implement. Potential sites include <ul style="list-style-type: none"> • non native plantations • worked gravel pits e.g. Southern park & Whitlingham
Priority for Implementation	
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£250,000 for approximately 15 hectares (based on £15,000/ha)
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Marginal Fen Habitat
Reference No	N11
Map Ref	
Project Aims	For promotion of habitat for; Bittern; water vole; otter; etc... Would involve Habitat Management - especially in relation to hydrology (water abstraction) Potential Capital projects could include; <ol style="list-style-type: none"> 1. Fen harvesting – Reed & Sedge Cutters Association – equipment acquired by councils to be used on council sites but also hired out to other land owners 2. Grazing – fencing etc to control stock on land Water/drainage work to control pollution
Priority for Implementation	
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£100,000 Initial estimate – dependant upon extent of works
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Reedbed
Reference No	N12
Map Ref	
Project Aims	Similar species supported as in fen – especially Yare Valley Identify sites by TEN project and liaise with Broads Reedcutters Association– particularly with regard to sustainable management Potential Capital Projects could include; <ol style="list-style-type: none"> 1. Link sites along the Yare <ul style="list-style-type: none"> Langley > 20 ha Berney Marshes < 10ha Cawtley Beet Fm < 10ha Halvergate Marsh Hardley <ul style="list-style-type: none"> • Works could include; Water level control • Reedcutting for thatching
Priority for	

Implementation	
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£250,000 (based upon 25% of areas requiring works @ £25,000/ha)
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Misotrophic lakes
Reference No	N13
Map Ref	
Project Aims	Links to Rockland Broad; Strumpshaw Broad Ensure water moving downstream (i.e. from Norwich & Growth areas) is of good quality) Potential Capital Projects could include; Newly created broads e.g. Whitlingham & Southern Park Reduction of nutrient enrichment from water feeding into open water
Priority for Implementation	
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£100,000 Initial estimate – dependant upon extent of works
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Ancient & species rich hedgerows
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Reference No	N14
Map Ref	
Project Aims	Hedgerow regulations 1997 40% grants for Norfolk CC for gapping up Replace 5 for every one existing mature trees by 2010
Priority for Implementation	
Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£75,000
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Orchards
Reference No	N15
Map Ref	
Project Aims	<p>Part of Wooded Ridge (F1) or secondary corridor + stepping stone – ‘village’ projects)</p> <p>Norwich Cathedral Priory, 1406 : Apple; Pear; Cherry; Walnut; Hazel (also local cuttings of cider apples; plums; perry pears; damsons; medlars?)</p> <p>Possible Capital project in relation to Management:</p> <ul style="list-style-type: none"> ▪ Herb rich grassland – stock fencing (similar to hedge bank) ▪ Recreate – loss of orchards especially at edges of settlement ▪ <p>Possible Capital projects; Re-instate orchards around new settlements & around Norwich using local cultivars (of 73 apple varieties in Norfolk only 38 remain) Refer to East of England Apples & Orchard Project</p> <p>Possible Capital projects within community:</p> <ul style="list-style-type: none"> ▪ Photo record ▪ Demo orchard – setup for planting/management advice <p>Apple day</p>
Priority for Implementation	

Lead Delivery Agency	Suggested by Liz Brandon Jones, City Council
Contact for working up	
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	250,000 (based on 10ha @ £25,000/ha)
Criteria Met	
Key Themes Supported	
Comments	

Project Name	Declare more LNRs
Reference No	N17
Map Ref	
Project Aims	Study to identify and declare more Local Nature Reserves to protect Biodiversity Action Plan habitats
Priority for Implementation	
Lead Delivery Agency	
Contact for working up	Suggested by Liz Brandon Jones/Mary McHugh
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£50,000
Criteria Met	
Key Themes Supported	
Comments	Habitat Action plans appropriate to GNGP areas are Ancient and/or species rich hedgerow; cereal field margins; churchyards and cemeteries; coastal and floodplain grazing marsh; Fens; littoral and sub littoral chalk; lowland calcareous grassland; lowland heathland and dry acid grassland; lowland meadow and pastures; lowland mixed deciduous woodland; lowland wood pasture and parkland; mesotrophic lakes.

Project Name	Natural Play
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Schedule of Potential Green Infrastructure Projects

Appendix 7

Reference No	N18
Map Ref	
Project Aims	To provide opportunities for "natural play" The project will provide specialist play leaders to run natural play sessions that include activities like bug hunting and run workshops for carers on natural play to build confidence and combat risk aversion. The project could also help children create their own natural play zone . [BTCV are about to run a similar project in Peterborough]
Priority for Implementation	
Lead Delivery Agency	BTCV
Contact for working up	Marya Parker
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	
Estimated Funding Costs	£50,000
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	

Project Name	Integrated Green Infrastructure Information Service
Reference No	N20
Map Ref	
Project Aims	A study to promote an integrated information service for the Norwich project area to promote good green infrastructure decision making. Landscape character, biodiversity and historic landscape information will be made available in an integrated format, based on geographical locations. The project would result in a web based facility.
Priority for Implementation	
Lead Delivery Agency	
Contact for working up	Judith Cantell, Norfolk County Council
Pilot Projects?	
Linked Directly	

to Growth?	
Delivery Mechanism/ Funding Sources	Potential additional sources if pump primed
Estimated Funding Costs	£50,000
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	

Project Name	School Grounds Improvement Project
Reference No	N25
Map Ref	
Project Aims	<p>The project is to improve the grounds of at least twenty schools in the two main growth areas in the Greater Norwich area over a period of three years. This will involve improving their biodiversity and making them more usable for outdoor lessons and recreation through the provision of new habitats, seating, shade, sensory gardens, play features and improved access. Each of the schools will be given a grant of up to four thousand pounds, to be spent in with the agreement of a project advisor from Norfolk County Council’s Environment and Waste Section. Plans for the improvements to the grounds will be based upon consultation with pupils and staff. The whole school community will be encouraged to get involved in the implementation phase of the projects.</p> <p>There are eighty schools in the two main development areas as defined with in the Greater Norwich Green Infrastructure Delivery Plan. Some are in areas with a high Multiple Deprivation Index. This project would improve the grounds of at least a quarter of these schools. Norfolk County Council’s landscape architects are already working with twenty-four of these schools to plan improvements to their grounds (nine in the area North-east of Norwich and fifteen in the area to the South-west of the city). There is therefore a proven desire to make changes to their grounds amongst a significant number of the schools in question. All that is lacking at present are the financial resources to make the improvements, as the budget provided by Children’s Services is only for the maintenance of the grounds.</p> <p>Children lack opportunities to come into contact with nature and the outdoor environment on a regular basis in a safe setting. Recent research from Natural England found that fewer than 10% of children get the chance to play in parks the countryside or woodland. Contact with nature has been shown to have a positive impact on well-being. Increased density of housing will make the need for providing high quality safe green space for children within urban areas even greater.</p> <p>School playing fields are green space but their potential for</p>

	biodiversity, recreation and outdoor learning is not being maximised. This project will increase their value for children, teachers and wildlife.
Priority for Implementation	
Lead Delivery Agency	Norfolk County Council (with Norfolk School Grounds Co-ordination Group (a group made up of representatives of local authorities, non-governmental organisations and businesses involved in the improvement of school grounds in Norfolk) Norfolk Biodiversity Partnership Communities and Nature Group)
Contact for working up	David Yates
Pilot Projects?	
Linked Directly to Growth?	The improved biodiversity within school grounds should provide nodes within the multifunctional corridors that will be provided by other ecological network projects within the main development areas that form part of the Greater Norwich Green Infrastructure Delivery Plan.
Delivery Mechanism/ Funding Sources	Staff time spent working directly with the schools forms part of Norfolk County Council's existing school grounds support work and will not require additional funding. £600 (Norfolk County Council grants for native and fruit trees and wildflower meadow seed) - Norfolk County Council Environmental Initiatives Funding
Estimated Funding Costs	£84,000 There would be a cost of administering the grant scheme of £4000, spread over three years.
Criteria Met (GI Strategy)	
Key Themes Supported (GI Strategy)	
Comments	Ready for implementation of the first schemes Outputs; To improve the quality of the grounds of twenty schools in the main development areas in the Greater Norwich area so as to increase the opportunities that they offer for outdoor education, both formal and informal. To improve the usability of the outside space and increase the amount of time that children spend outdoors while at school. To raise standards of attainment in environmental education. To improve the biodiversity of school grounds.

Project Name	Improving public viewing and enjoyment of Sutton Fen; Phase
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	2
Reference No	N28A
Map Ref	
Project Aims	<p>Project location and relevance: Sutton Fen is within a Core Biodiversity Area, Priority Wetland Habitat Creation and Enhancement Area, and close to the Acle - North Walsham - Aylsham - Cromer Sub regional GI Corridor. The site lies near to the urban centres of Norwich (15 miles), North Walsham (10 miles), Stalham (2 miles) and Great Yarmouth (15 miles).</p> <p>Description: A series of projects with the ultimate aim of improving the accessibility of the wildlife of Sutton Fen, whilst keeping disturbance of its remarkable diversity to an absolute minimum. The projects give the opportunity to inspire, inform and engage with a new visitor audience.</p> <p>Medium term (Start 2011-13)</p> <p>Scrub removal and habitat creation - £16,000 5. Scrub clearance, to improve condition of site for range of rare species such as crane, bittern, marsh harrier, fen orchid, swallowtail, otter, Norfolk hawk and saw sedge. Improving wildlife capacity and viewing opportunities over nearby land (Cranes / Marsh harrier fly overs). And improving future spectacle from viewing points to be built in future.</p> <p>Fen orchid habitat management - £10,000 6. Fen orchid management. Mowing of fen surface vegetation using local conservation contractors to improve condition for exceptionally diverse fen for internationally rare species such as fen orchid, crested buckler fern, marsh helleborine, narrow leaved marsh orchid and round leaved wintergreen, within one of Europe's most diverse blocks of fen. Opportunity to use area for research into ideal fen management for very rare species and as an exemplar for training future site managers, surveyors and researchers.</p> <p>Viewpoint and mooring creation on River Ant bank - £30,000 7. Clear scrub and build viewing platform on bank of river Ant to allow views into fen without increase disturbance on site. Including interpretation about the reserve and the Broads in a wider context and a short loop footpath into the fen fringe. Viewing opportunities of the river Ant, bittern, marsh harrier, swallowtail butterfly, Norfolk hawk etc. Access from River Ant, tapping into tourist and resident boaters, with potential for creating links with Stalham and Sutton Staithes and Wayford Bridge.</p> <p>Purchase of electric / solar powered boat - £100,000 8. Purchase of electric boat to allow access onto fen for guides around fen to bring locals and tourists close to the nature of the site, whilst minimising disturbance. Opportunity to run trips from</p>

	<p>Sutton and Stalham staithes and Wayford bridge. Would be used as a 'Broads resource' and made available to other conservation organisations with a similar use, particularly Broads authority and Norfolk Wildlife trust.</p> <p>Adaptation to reserves ditching would be needed to cater for boat, these could be coordinated to improve water control at the site.</p> <p>Long term (2013 – 2018)</p> <p>Panoramic tower hide (£250,000)</p> <p>9. Build 'tower hide' on River Ant bank to provide panoramic views of otherwise inaccessible valley fens. A high hide would allow views over Sutton Fen, Barton Fen and to Catfield Fen providing what would be one of the best views in Broadland. Ideal location to see the full range of broadland species and to captivate audiences with interpretation and face to face. Ideally located to maximise tourism involvement with nearby Wayford bridge, Stalham Staithe and Sutton Staithe, with potential for setting up boat tours to the hide.</p> <p>£250,000</p> <p>The project is required to fulfil the following objectives:</p> <ul style="list-style-type: none"> • To provide local people access to high quality greenspace; in order to mitigate the effects of housing growth and increasing urbanisation of Norfolk. • To provide informal and formal education for people of all ages • To provide a high quality community resource • To boost tourism and the local economy • To improve habitat quality and species diversity. <p>Sutton Fen is one of the finest examples of unspoilt valley fen in Western Europe and one of the most important sites for nature conservation in the UK. Wetland habitats across Broadland, and the wildlife they support, are under increasing pressures from agriculture, abstraction, pollution, rising sea levels and climate change. It is vital to protect and enhance core areas and restore habitats to link fragmented areas; Sutton Fen provides a unique opportunity to do this.</p> <p>There is currently no direct visitor access to the fen or opportunities to view it. The highly sensitive nature of the fen and its wildlife means direct visitor access is currently not appropriate if we wish to ensure long-term conservation and enhancement of the fen. However, the RSPB wishes to share this unique place with people and is keen to investigate opportunities to achieve this.</p> <p>A public footpath runs through the Northern side of the site but is currently through woodland and scrubland and views into the site are poor. The path is also in a very bad state of disrepair, particularly in winter when it becomes wet and muddy due to</p>
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	<p>blocked ditches nearby. This footpath needs to be improved and viewpoints created to maximise public use and enjoyment.</p> <p>Currently there are no hides or viewpoints over the fen, but there are two points of raised bank where hides and viewpoints would give excellent views over the fen due to their relative height in an otherwise flat landscape. These hides would provide an opportunity currently unavailable, to engage with the public and offer fantastic scenes of broadland.</p> <p>Ongoing habitat management is essential at the reserve and will complement any new views and viewing structure by maintaining and improving the quality of the fen and conditions for a variety of species which will be visible from hides such as bitterns, bearded tits, marsh harriers, otters and water voles.</p> <p>Medium term: Scrub removal and habitat creation: NE SSSI consent given, area identified, contractor will be available for start in 2011.</p> <p>Fen orchid habitat management: NE SSSI consent, area identified, contractor will be available for start in 2011/12.</p> <p>Viewpoint and mooring creation on River Ant bank: Consultation with BA positive for a joint project, Scrub clearance would require SSSI consent from NE, likely to be given. Planning permission for moorings and any other structures will be necessary and has not been explored. Note: aspirational project, and would require internal RSPB consent to go ahead.</p> <p>Purchase of electric / solar powered boat: Internal RSPB consent likely, planning permission may be necessary for mooring creation and SSSI consent will be necessary for ditching works to cater for boat.</p> <p>Long term: Panoramic Tower hide: Planning permission, SSSI consent, public opinion, RSPB internal permission and discussions with various local land owners and businesses will be required. Note: aspirational project, would require internal RSPB consent to go ahead.</p> <p>Outputs; 2km of dry, surfaced footpath. 1km of new dry, surfaced path Views to Sutton Broad Broadland wildlife DVD c.3Ha of new fen for colonisation by range of broadland species. c.4Ha of improved fen for fen orchid. Viewpoint over Sutton Fen and moorings for c.5 boats on river Ant. Electric boat for guided tours of Broads New water control structures Tower hide providing views over Ant Valley</p>
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	<p>Outcomes; Increase visitor capacity of reserve from 0 to 6000 pa (by boat) Increase visitor spend in local community, particularly Stalham and Sutton staithe and Stalham Town. Increase footpath users from c.4000pa to c.10000pa Increase local employment through use of local contractors Increase community use of reserve via guided boat tours from 0 to 200pa Improve education and interaction with wildlife of footpath and hide users. Improvements to habitat quality of fen. Increase in fen orchid protection Increase in Crane breeding success Increase in quality of life indicators for health, well-being and access to high quality green space.</p>
Priority for Implementation	Medium – Long term (2011-2018)
Lead Delivery Agency	Fiona Taylor, The RSPB (Regional Development Officer) 01603 697594 fiona.taylor@rspb.org.uk (with Broads Authority, Natural England, Norfolk County council, Environment Agency)
Contact for working up	Fiona Taylor, The RSPB (Regional Development Officer)
Pilot Projects?	
Linked Directly to Growth?	
Delivery Mechanism/ Funding Sources	<p>Internal budget exists for Scrub clearance and habitat creation (c. £3000pa) and Fen orchid habitat management works (c. £2700pa). NCC have applied for grant money for Moor Loop footpath improvements (c.£14,000), awaiting decision. Internal budget spend as highlighted above will total c.£4350 on the outlined projects. A grant of £1,350 from Private grant givers will also give £1,350 in 2010/11 and 2011/12 to Fen orchid habitat management works. The provider of the potential £14000 to NCC is unknown. The RSPB aims to cover all reserve costs via income of ESA, grants, memberships etc so reserves run at zero cost. As such, income for all highlighted projects is necessary and will be applied for at any available opportunity.</p>
Estimated Funding Costs	<p>Medium term Scrub removal and habitat creation - £16,000 Fen orchid habitat management - £10,000 Viewpoint and mooring creation on River Ant bank - £30,000 Purchase of electric / solar powered boat - £20,000</p> <p>Long term Panoramic tower hide (£250,000)</p>
Criteria Met (GI Strategy)	
Key Themes	

Supported (GI Strategy)	
<p>Comments</p>	<p>Address: (Not to be used for postage) Sutton Fen Nature reserve, Wood Street, Catfield, Norfolk NR29 5DF</p> <p>Correspondence address: Staithe Cottage, Low Road, Strumpshaw, Norfolk, NR13 4HS</p> <p>Grid ref, centre of site: TG367231</p> <p>The site has the following designations: Site of Special Scientific Interest (SSSI) Special Protection Area (SPA) Special Area of Conservation (SAC) Environmentally Sensitive Area (ESA)</p> <p>The RSPB will provide detailed information for the full project assessment procedure – using the recently devised methodology – when guidance and forms are supplied for the next stage of this process.</p>

Appendix 8

Budget Costing of Potential Projects

1. The individual projects put forward as part of the GIS and in the development of the GI Delivery Plan as listed at Appendix 7 have been reviewed with regards to the type of project and the estimated budget funding cost.

Category of Project Output

2. A review of these individual projects has identified three categories of project as follows;
 - A Study
The project will involve a GI study comprising one or more of the following;
 - a feasibility study
 - the identification and/or mapping of existing features or opportunities
 - the development of a vision, strategy, guidelines or a masterplan.
 - Implementation
The project will involve implementation of GI
 - Enabling Body
The project will involve the formation of an enabling body with a GI remit. The costs cover staffing costs over a specified period of time.

Summary of Costs

3. The budget costs for the individual projects (where known) were collated and a Summary Table provided (See following), which provides a breakdown for the projects in accordance with;
 - Term of project – short term or medium/long term
 - Location of project - Norwich Urban area; Norwich Fringe; Norwich Fringe Environs; Greater Norwich Area-wide
 - Category of project output – Study; Implementation; Enabling Body

Relative Costings of Individual Projects

4. The estimated funding cost provided for the individual projects in the Delivery Plan is derived from the GIS. An uplift to the budget costs due to inflation has not been included since they were estimates and at most

only two years old. It should be highlighted that the costs are exclusive of any land purchase required.

Study Projects

5. The costs for the study projects range from £30,000 to £150,000, with the majority at a cost of £50,000. The costs generally appear adequate. (NB The cost in relation to Project T6 'The Greater Norwich Area Waterway Crossings and Gateways Project' appears high at £1,130,000 and it should be verified that this cost relates to the study and not implementation.)

Implementation Projects

6. For those projects identified for 'implementation', the budget costs range from £50,000 to £2,000,000. However no areas are provided within the current project descriptions to accurately assess these budget costs. However, the budget cost can be related to the type of landscape that is to be implemented. Generally the greater the complexity of the landscape type and the greater the proportion of hard landscape works involved (as opposed to soft landscape works) the greater the relative cost. Identification of the type of green infrastructure to be implemented can therefore provide guidance and assurance to the relative costs of the project.
7. An indication of the type of green infrastructure to be implemented for the individual projects within GI Delivery Plan can be predicted from the description of each project. Relative costs can then be attributed to each type of landscape identified. This will provide an understanding of the complexity of implementation projects proposed.
8. Previous studies have identified a variety of types of landscape and attributed relative capital and maintenance costs to each type. These budget costs have been based on past experience of similar types of landscape. The report 'Nene Regional Park Feasibility Study' by Landscape Design Associates, of 2004 includes a range of project types and associated budget cost estimates for both capital and maintenance/management works. The budget costs were originally used within the 'East London Green Grid Parks and Open Spaces' report of 2003 by Landscape Design Associates. The budget cost estimates for different landscape types have been expressed graphically within the two Tables at Appendix 4 of this Delivery Plan for Capital Works and for Maintenance/Management Works to demonstrate the relative costs per hectare. However it should be noted that the budget costs are derived from 2003 figures. To bring the costs in line with more up to date costs,

the 'Constructed Cost Index'¹ should be applied. The cost index allows for 50% hard works and 50% softworks. From these figures a 27% uplift should be applied to the 2003 rates and figures.

9. As part of the assessment of the Greater Norwich GI projects, the landscape types and relative costs from the Nene Regional Park Feasibility Study were reviewed and grouped as appropriate into categories which were ordered in increasing relative cost. For each individual project, the landscape type of each implementation project was identified. Where this did not comply with one of the above types, an additional type was created. The landscape type was placed in order appropriate to its estimated relative cost. The range and number of projects for each landscape type is shown below.

Project Type	Budget Cost Estimate for Capital Works / hectare	Number of Implementation Projects
Woodland		8
Cycle/footpath links		7
<i>Woodland belt with cycle/footpath links</i>	£25,000/ha	0
<i>Green Links</i>	£30,500/ha	7
<i>Nature reserve with cycle/footpath links</i>	£36,000/ha	11
<i>District Open Space</i>	£57,000/ha	0
Nature Study Areas		2
<i>Local Park</i>	£1,750,000/ha	1
Community Gardens		1
Historic Park Restoration		1
Gateway		1
<i>Local Square</i>	£2,000,000/ha	0
<i>Urban Riverside Promenade</i>	£2,500,000/ha	0
River Crossings and Bridges		3
<i>Main Civic Square</i>	£3,000,000/ha	0

NB Italic Font and highlighted boxes - derived from 'Nene Regional Park Feasibility Study' by Landscape Design Associates, with budget cost Normal Font – additional type to suit Norwich GI projects

The spread and range of implementation projects is shown in The Schedule of Green Infrastructure Projects in Appendix 8.

Enabling Body Projects

¹ See 'PSA Price Adjusting Formulae for Construction Contract (Series 2)' can be utilised from 'Spon's External Works and Landscape Price Book 2009'

10. The costs for the 5 Enabling Body projects range from £100,000 to £300,000, with the majority at a cost of £300,000. The costs are generally for a period of 3 years and cover costs relating to staffing. The costs appear adequate.

Summary Project Cost Schedule

SHORT-TERM POTENTIAL GREEN INFRASTRUCTURE PROJECTS			
	Estimated Funding Cost		
	Study	Implementation	Enabling Body
<i>Norwich Urban Area Projects</i>	£380,000	£2,715,000	£0
<i>Norwich Fringe Projects</i>	£100,000	£3,103,500	£0
<i>Norwich Fringe Environs Projects</i>	£100,000	£2,092,000	£0
<i>Greater Norwich Area-Wide Thematic Projects</i>	£1,410,000	£3,550,000	£1,150,000
Total	£1,990,000	£11,460,500	£1,150,000
		Total of Short Term Projects	£14,600,500

MEDIUM/LONG-TERM POTENTIAL GREEN INFRASTRUCTURE PROJECTS			
	Estimated Funding Cost		
	Study	Implementation	Enabling Body
<i>Norwich Urban Area Projects</i>	£40,000	£2,050,000	£0
<i>Norwich Fringe Projects</i>	£0	£3,710,000	£0
<i>Norwich Fringe Environs Projects</i>	£150,000	£9,856,780	£22,000
<i>Greater Norwich Area-Wide Thematic Projects</i>	£300,000	£3,685,000	£0
Total	£490,000	£19,301,780	£22,000
		Total of Medium/Long Term Projects	£19,813,780

	Estimated Funding Cost		
	Study	Implementation	Enabling Body
Total of Short-Term and Medium/Long Term Projects	£2,480,000	£30,762,280	£1,172,000
Grand Total of Short-Term and Long Term Projects			£34,414,280

Project Cost Schedule

SHORT-TERM POTENTIAL GREEN INFRASTRUCTURE PROJECTS										
Ref No.	Map Ref	Project Name	Project Type			Estimated Funding Cost			Range of Funding (if applicable)	
			Study	Implementation	Funding of Enabling Body	Study	Implementation	Enabling Body		
<i>Norwich Urban Area Projects</i>										
U1	1	Mapping Accessible Green Networks	√			150,000.00				
U2	2	Children's Play Study	√			30,000.00				
U3	3	Green Grid Strategy for Norwich	√			100,000.00				
U4	4	Norwich Crossings and Bridges - Whittingham (Ph1)		√			£1,750,000.00			
U5	5	The Wensum River Parkway	√			50,000.00	£360,000.00			
U6	6	The South Norwich Cycle Loop	√			50,000.00				
U7	7	City Centre Community Gardens		√			£300,000.00			£100-500k
N3		Churchyards Health & Heritage Walks		√			£100,000.00			
N4A		Lakenham Common - Phase 1		√			£15,000.00			
N27		Riverside Walk - Oak Street		√			£190,000.00			
					Total	380,000.00	£2,715,000.00	£0		
<i>Norwich Fringe Projects</i>										
F1	1	Norwich Fringes Wooded Ridge Project		√			£250,000.00			
F3	3	Norfolk and Norwich Hospital Health Woods		√			£100,000.00			
F4	4	Norwich Green Gateways Projects		√			£1,500,000.00			£1 - £2m
F5	5	Whittingham Country Park Eastern Cycle Links		√			£100,000.00			
F6A	6	The Yare River Parkway (Phase 1)		√			£38,500.00			
F6	6	The Yare River Parkway (Phase 2)	√			50,000.00				
F7A	7	Mousehold Heath and Northeast Norwich Heathlands Phase 1		√			£15,000.00			
F7	7	Mousehold Heath and Northeast Norwich Heathlands - Phase 2	√	√		50,000.00	£300,000.00			
F8	8	South West Norwich Ecological Networks - Phase 1		√			£200,000.00			
F9	9	Yare and Wensum Valley Link		√			£200,000.00			
F10	10	Lakenham Way Enhancements		√			£300,000.00			£100k- £500k
N6		Yare Valley Walk Boardwalk - UEA to Eaton		√			<u>£100,000.00</u>			
					Total	100,000.00	£3,103,500.00	£0		

<u>Norwich Fringe Environs Projects</u>							
F11A	1	Community Woodlands Scheme -Phase 1		√		£12,000.00	
F11	1	Community Woodlands Scheme - subsequent Phases		√		£300,000.00	
F12	2	The Mid Yare National Nature Reserve Phase 1		√		£25,000.00	
F13	3	Marriott's Way Route Enhancements		√		£750,000.00	£500k- £1m
F14	4	Tas Valley Blue Way - Phase 1	√	√	50,000.00	£950,000.00	
F15	5	Norwich-Wymondham-Attleborough-Thetford Green Way	√		50,000.00		
N28		Improving public viewing and enjoyment of Sutton Fen Phase 1		√		£55,000.00	
Total					100,000.00	£2,092,000.00	£0
<u>Greater Norwich Area-Wide Thematic Projects</u>							
T1	1	Green Infrastructure in School Grounds Grand Aid		√		£225,000.00	
T2a	2	New Wensum Forest (woodland) Country Park		√		£650,000.00	
T2b	2	New Mousehold Heath extension (heathland) Country Park		√		£650,000.00	
T2c	2	New The Colney/Bawburgh area (wetlands) Country Park		√		£650,000.00	
T2d	2	New The Caistor St Edmund area (grasslands) Country Park		√		£650,000.00	
T3	3	Historic Park Restoration Fund		√		£50,000.00	
T4	4	The Sanctuary Project		√		£675,000.00	
T5	5	Amenity Parks and Allotments	√		30,000.00		
T6	6	The Greater Norwich Area Waterway Crossings and Gateways Project	√		1,130,000.00		
T7	7	Urban Ecological Networks Stepping Stones - Advisory Service & Demonstration Projects					£150,000
T8	8	Greater Norwich Community Landmarks Project					£300,000
T9	9	Green Gym					£300,000
T10	10	Environmental Training Programme					£300,000
T11	11	Youth Engagement Project					£100,000
T12	12	Green Way & Blue Way Route Design Guide	√		30,000.00		
T13	13	Quiet Lanes Project	√		100,000.00		
T14	14	Sustainable Transport	√		50,000.00		
T15	15	Green Infrastructure Guidelines for Developers	√		70,000.00		
Total					1,410,000.00	£3,550,000.00	£1,150,000

MEDIUM/LONG-TERM POTENTIAL GREEN INFRASTRUCTURE PROJECTS										
Ref No.	Map Ref	Project Name	Project Type			Estimated Funding Cost			Range of Funding (if applicable)	
			Study	Implementation	Funding of Enabling Body	Study	Implementation	Enabling Body		
<i>Norwich Urban Area Projects</i>										
U8	8	Norwich Crossings and Bridges - Whitlingham (Phase 2)		√			£1,750,000.00			£100-£500k
U9	9	Mulbarton - Swardeston Green Way		√			£300,000.00			
U10	10	Promoting Use of Rivers for Transport	√			40,000.00				
N4		Lakenham Common - Phase 2		√			£200,000.00			
Total						40,000.00	£2,250,000.00	£0		
<i>Norwich Fringe Projects</i>										
F7B	7	Mousehold Heath and Northeast Norwich Heathlands - Phase 3		√			£650,000.00			
U12	12	South West Norwich Ecological Networks - Phase 2		√			£300,000.00			
N16		Bowthorpe 3Score		√			£1,500,000.00			
N5		Catton Chalk Pit		√			£10,000.00			
N19		Semi Green Bridge, NDR Rackheath		√			£1,000,000.00			
N26		Northern Gates network Phase 1		√			<u>£250,000.00</u>			
Total						0.00	£3,710,000.00	£0		
<i>Norwich Fringe Environs Projects</i>										
F12	2	The Mid Yare National Nature Reserve Phase 2		√			£550,000.00			
F14A	4	Tas Valley Blue Way - Phase 2		√			£1,000,000.00			
F16	6	South Norfolk Claylands Landscape Project	√			50,000.00				
F17	7	Rural Settlements Doorstep Greenspaces		√			£2,000,000.00			
F18	8	Norwich to Broads via Yare Valley Blue Way		√			£2,000,000.00			
F19	9	North West Norwich Forest	√			50,000.00				
F20	10	Yare Valley west of Norwich Blue Way	√			50,000.00				
F21	11	Bure Valley Blue Way		√			£2,000,000.00			
F22	12	Waveney Valley Blue Way		√			£2,000,000.00			
N21		Trinity Broad Restoration Project		√			£145,000.00			
N22		Upton Access and Broad Restoration		√			£87,000.00			

Budget Costing of Potential Projects

Appendix 8

N23		Mobile Visitor Centre			√			£22,000
N24		Ranworth Rejuvenation			√		£74,780.00	
						Total	150,000.00	£9,856,780.00
								£22,000
Greater Norwich Area-Wide Thematic Projects								
T16	16	Bikes on Buses and Trains			√		£250,000.00	
T17	17	Safe Crossings			√		£1,500,000.00	
T18	18	River Interpretation Strategy	√			50,000.00		
N7		Bus The Best	√			50,000.00		
N8		Genotype Project	√			50,000.00		
N9		FloodPlain			√		£500,000.00	
N10		Wet woodland within the floodplain			√		£250,000.00	
N11		Marginal Fen Habitat			√		£100,000.00	
N12		Reedbed			√		£250,000.00	
N13		Misotrophic lakes			√		£100,000.00	
N14		Ancient & species rich hedgerows			√		£75,000.00	
N15		Orchards			√		£250,000.00	
N17		Declare more LNRs	√			50,000.00		
N18		Natural Play	√		√	50,000.00		
N20		Integrated Green Infrastructure Information Service	√			50,000.00		
N25		School Grounds Improvement Project			√		£84,000.00	
N29A		Improving public viewing and enjoyment of Sutton Fen Phase 1			√		£326,000.00	
						Total	300,000.00	£3,685,000.00
								£0

Project Cost Schedule for Projects in GIPAs

SHORT-TERM POTENTIAL GREEN INFRASTRUCTURE PROJECTS														
Ref No.	Map Ref	Project Name	Estimated Funding Cost			Range of Funding (if applicable)	Proportion of Project Within GI Corridor	Value of Works (£) within GI Corridor						
			Study	Implementation	Enabling Body			Water City (Green)	Five Rivers (Blue)	Wymondham to Norwich (Purple)	Long Stratton to Norwich (Red)	Norwich to Broads (Black)		
<u>Norwich Urban Area Projects</u>														
U1	1	Mapping Accessible Green Networks	£150,000				Location Not Mapped							
U2	2	Children's Play Study	£30,000				Location Not Mapped							
U3	3	Green Grid Strategy for Norwich	£100,000				Location Not Mapped							
U4	4	Norwich Crossings and Bridges - Whitlingham (Ph1)		£1,750,000			Green - 50%	£875,000						
U5	5	The Wensum River Parkway	£50,000	£360,000			Green - 100%	£410,000						
U6	6	The South Norwich Cycle Loop	£50,000				Green - 100%	£50,000						
U7	7	City Centre Community Gardens		£300,000		£100-500k	Green - 50%	£150,000						
N3		Churchyards Health & Heritage Walks		£100,000			Green - 25%	£25,000						
N4A		Lakenham Common - Phase 1		£15,000			Green - 100%	£15,000						
N27		Riverside Walk - Oak Street		£190,000			Green - 100%	£190,000						
			£380,000	£2,715,000	£0			£1,715,000						
<u>Norwich Fringe Projects</u>														
F1	1	Norwich Fringes Wooded Ridge Project		£250,000			part Black - 10%							£25,000
F3	3	Norfolk and Norwich Hospital Health Woods		£100,000			Green- 100%	£100,000						
F4	4	Norwich Green Gateways Projects		£1,500,000		£1 - £2m	None							

Budget Costing of Potential Projects

Appendix 8

F5	5	Whitlingham Country Park Eastern Cycle Links		£100,000		part Red - 50%					£50,000
F6A	6	The Yare River Parkway (Phase 1)		£38,500		Green - 100%;	£38,500				
F6	6	The Yare River Parkway (Phase 2)	£50,000			Green - 100%;	£50,000				
F7A	7	Mousehold Heath and Northeast Norwich Heathlands Phase 1		£15,000		Black - 100%					£15,000
F7	7	Mousehold Heath and Northeast Norwich Heathlands - Phase 2	£50,000	£300,000		Black - 100%					£1,000,000
F8	8	South West Norwich Ecological Networks - Phase 1		£200,000		part Purple - 80%			£160,000		
F9	9	Yare and Wensum Valley Link		£200,000		Blue - 100%		£200,000			
F10	10	Lakenham Way Enhancements		£300,000	£100k- £500k	Green - 10%	£30,000				
N6	11	Yare Valley Walk Boardwalk - UEA to Eaton		£100,000		Green - 100%	£100,000				
			£100,000	£3,103,500	£0		£318,500	£200,000	£160,000	£50,000	£1,040,000
<u>Norwich Fringe Environs Projects</u>											
F11A	1	Community Woodlands Scheme -Phase 1		£12,000		None					
F11	1	Community Woodlands Scheme - subsequent Phases		£300,000		None					
F12	2	The Mid Yare National Nature Reserve Phase 1		£25,000		None					
F13	3	Marriott's Way Route Enhancements		£750,000	£500k- £1m	part Green - 1c 13.3%	£100,000				
F14	4	Tas Valley Blue Way (Phase 1)	£50,000	£950,000		part Red - 50% (links to Caistor St Edmund)					£500,000
F15	5	Norwich-Wymondham-Attleborough-Thetford Green Way	£50,000			part Blue - 50%; part Purple-50%		£25,000	£25,000		
N28		Improving public viewing and enjoyment of Sutton Fen Phase 1		£55,000		None					
			£100,000	£2,092,000	£0		£100,000	£25,000	£25,000	£500,000	£0
<u>Greater Norwich Area-Wide Thematic Projects</u>											
T1	1	Green Infrastructure in School Grounds Grand Aid		£225,000		Location Not Mapped					
T2a	2	New Wensum Forest (woodland) Country Park		£650,000		Location Not Mapped					
T2b	2	New Mousehold Heath extension (heathland) Country Park		£650,000		Location Not Mapped					
T2c	2	New The Colney/Bawburgh area (wetlands) Country Park		£650,000		Location Not Mapped					

Budget Costing of Potential Projects

Appendix 8

T2d	2	New The Caistor St Edmund area (grasslands) Country Park		£650,000		Mapped										
T3	3	Historic Park Restoration Fund		£50,000		Location Not Mapped										
T4	4	The Sanctuary Project		£675,000		Location Not Mapped										
T5	5	Amenity Parks and Allotments	£30,000			Mapped										
T6	6	The Greater Norwich Area Waterway Crossings and Gateways Project	£1,130,000			Location Not Mapped										
T7	7	Urban Ecological Networks Stepping Stones - Advisory Service/Demonstration Projects			£150,000	Location Not Mapped										
T8	8	Greater Norwich Community Landmarks Project			£300,000	Location Not Mapped										
T9	9	Green Gym			£300,000	Location Not Mapped										
T10	10	Environmental Training Programme			£300,000	Location Not Mapped										
T11	11	Youth Engagement Project			£100,000	Location Not Mapped										
T12	12	Green Way & Blue Way Route Design Guide	£30,000			Mapped										
T13	13	Quiet Lanes Project	£100,000			Location Not Mapped										
T14	14	Sustainable Transport	£50,000			Mapped										
T15	15	Green Infrastructure Guidelines for Developers	<u>£70,000</u>			Location Not Mapped										
TOTAL			£1,410,000		£3,550,000	£1,150,000						£2,133,500	£225,000	£185,000	£1,050,000	£1,040,000

Appendix 9

Greater Norwich Green Infrastructure Delivery Plan

Applicant details:

Norwich City Council; South Norfolk Council; Norwich Fringe Project

Lead Contact/Project Manager:

George Ishmael – Norwich City Council;
Matt Davies – Norwich Fringe project

Location of the project:

Land formerly known as Harford Tip, Hall Rd/Ipswich Rd, Norwich. The site was formerly the main municipal dump for Norwich as well as taking waste from further afield.

Description of the project:

A project with several strands to provide a new element of multifunctional green infrastructure to the south of Norwich:

Phase 1: Providing public access to the western end of the main tip site, from the closed section of Old Hall Road, for use by the residents of for adjacent communities at Tuckswood, Eaton and Lakenham. The access provides a route to a previously closed section of the River Yare, with opportunities for a jetty/slipway to launch kayaks - providing links with the Wensum and Tas valleys downstream. Creation of a section of footpath along the river that skirts the site to the southwest, to the edge of the capped tip, to provide a hint of a potential country park for the site in the future. The scheme includes the re-alignment and design of fences to the landfill site, until future phases are agreed and completed. The project has the potential for publicity and the design/installation of information panels to explain the history of the landfill site, the nature of what was tipped over the years, the background to the capping project 20yrs ago, and the current arrangements for waste treatment.

Requirement for the project:

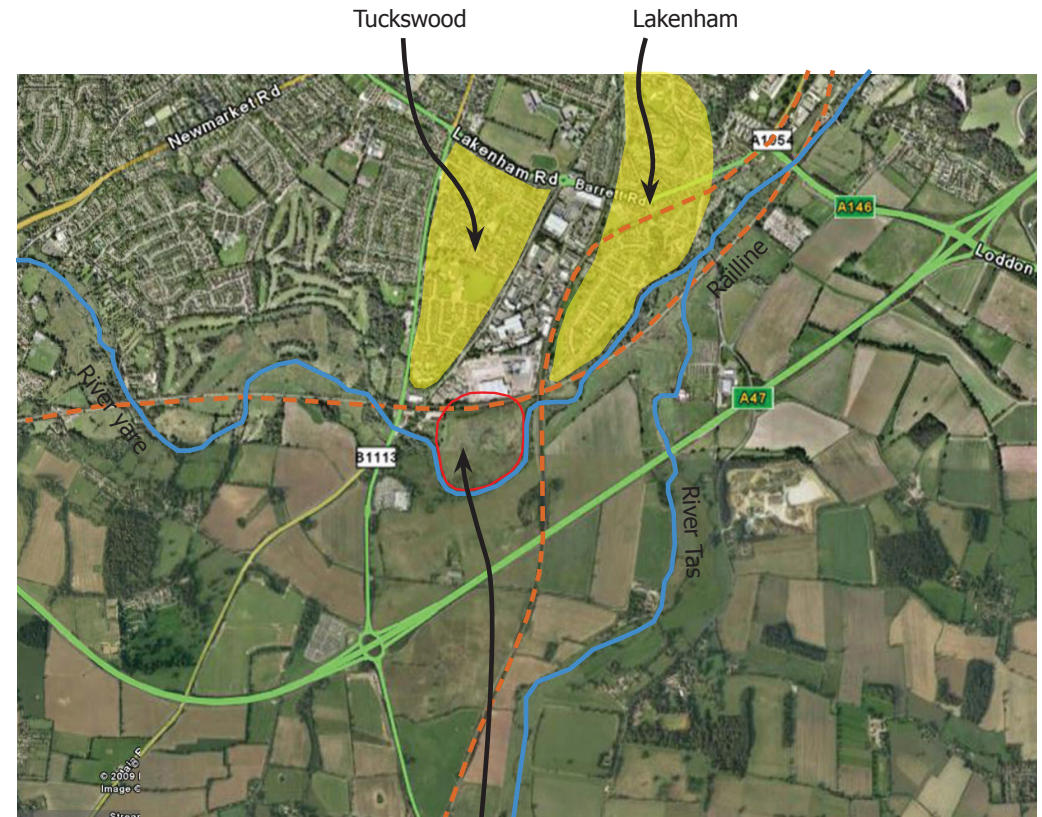
Providing access to the Yare valley in an area of planned growth, with linkages to the countryside to the south of Norwich for the existing communities to the south of Norwich. Potential for links to the Tas Valley and Caistor Roman Town/Whitlingham Country Park beyond.

Ownership of the project land:

Norwich City Council (which has been monitoring the site since capping in 1990/91). NCC searched for and found no signs of radioactivity (the waste had of course been lead-wrapped). The capping method was nevertheless designed bearing all these issues in mind to minimise risk. Since capping, the tip has been monitored for landfill gases and the

the [landscapepartnership](#)

01 Lakenham Common and Yare Valley connections (N4A)

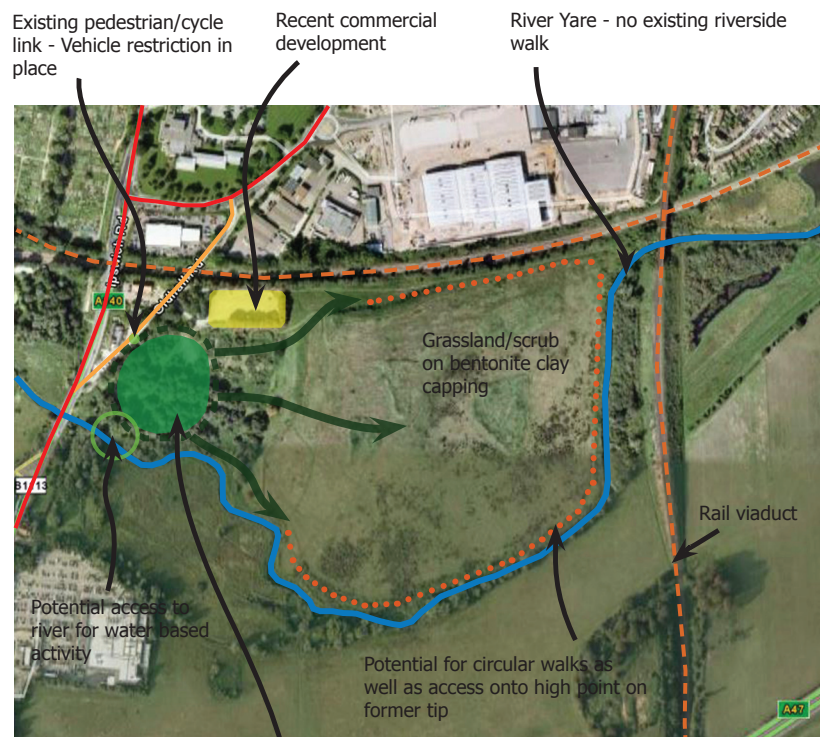


The site (formerly Harford Tip)



Lakenham Common and Yare 01 Valley connections (N4A)

Greater Norwich Green Infrastructure Delivery Plan



Park base - on existing hardstanding, Potential for; Small car park, visitor/ education centre, access to water with boats

SUMMARY			
		MAX POSSIBLE SCORE	PROJECT SCORE
Stage 1 - Purpose	Spatial criteria sub-total (including GIPA score)	125	82
	Multifunctional criteria sub-total	100	47
	Discretionary Points	25	10
TOTAL SCORE FOR GI PRIORITISATION		/250	139
Stage 2 - Deliverability	Implementation criteria sub-total	no. green	1
		no. amber	3
	Leadership criteria sub-total	no. red	2
		no. green	4
	Timescale criteria sub-total	no. amber	0
		no. red	1
no. green		1	
no. yellow		0	
		no. amber	0
		no. red	0

river has been monitored for leachate contamination. Environment Agency advice is that the tip was operated by the old Norwich County Borough Council prior to local government reorganisation in 1974 when the tip closed. Responsibility for the site was retained by Norwich City Council who are therefore responsible for the maintenance and monitoring. NCC also owns the site adjacent to the main landfill area, where Phase 1 works are planned, where fences are maintained to secure the site from trespass. This area formed the site compound for the duration of the capping works to the tip, and has none of the issues associated with a former landfill site.

Details of landowner permission:

Initial discussions offer no issues regarding permissions/consents. Infrastructure present at site entrance, as the basis for works undertaken during both Phase 1 and subsequently. Proposed scheme addresses regular management issues relating to trespass/stock grazing.

Current use of the project land:

Fenced grassland and woodland (with regular public trespass) with annual inspection of vents. Other than monitoring the site has been left alone since capping. The public have been prevented from accessing the tip due to the high levels of landfill gas that are vented via boreholes around the periphery of the site. The key principles of managing the site are not to penetrate the capping layer in any way - tree roots, foundations, general damage and to prevent standing water - ponds, depressions, wear and tear of the surface.

Predicted costs and amount of funding sought:

£10-£15k for Phase 1 - opening the non-tipped section of the site (fencing & gates; vegetation management at site entrances; signage; interpretation & publicity) and constructing a section of footpath leading to a platform / slipway for launching craft

Proposed timescales:

Autumn 2009 for creation of public access to the western end of the site. Interpretation on the former use of the site; construction of an access platform / slipway for launching craft onto the river; creation and improvement of linkages to adjacent communities via Old Hall Road

Details of project partners:

Yare Valley Society; Residents Forum; Norwich City Council; Norwich Fringe Project

Greater Norwich Green Infrastructure Delivery Plan

02 North East Norwich Community Woodlands (F11A)

Applicant details:
Norfolk County Council

Lead Contact/Project Manager:
Gerry Barnes

Location of the project:
Farmland bordering South Walsham

Description of the project:

Planting a new wood at Burlingham Road, South Walsham, forming part of a programme for the re-creation of former woodlands to the north-east of Norwich, with the objectives of opening the woods for public access, growing quality hardwoods and enhancing the wildlife value of the broader area. The project embraces sound management, in order that the woodlands offer the fullest potential to wildlife. Enhancements to public rights of way to reinforce the network of Burlingham Woodland Walks. Project aspects include:

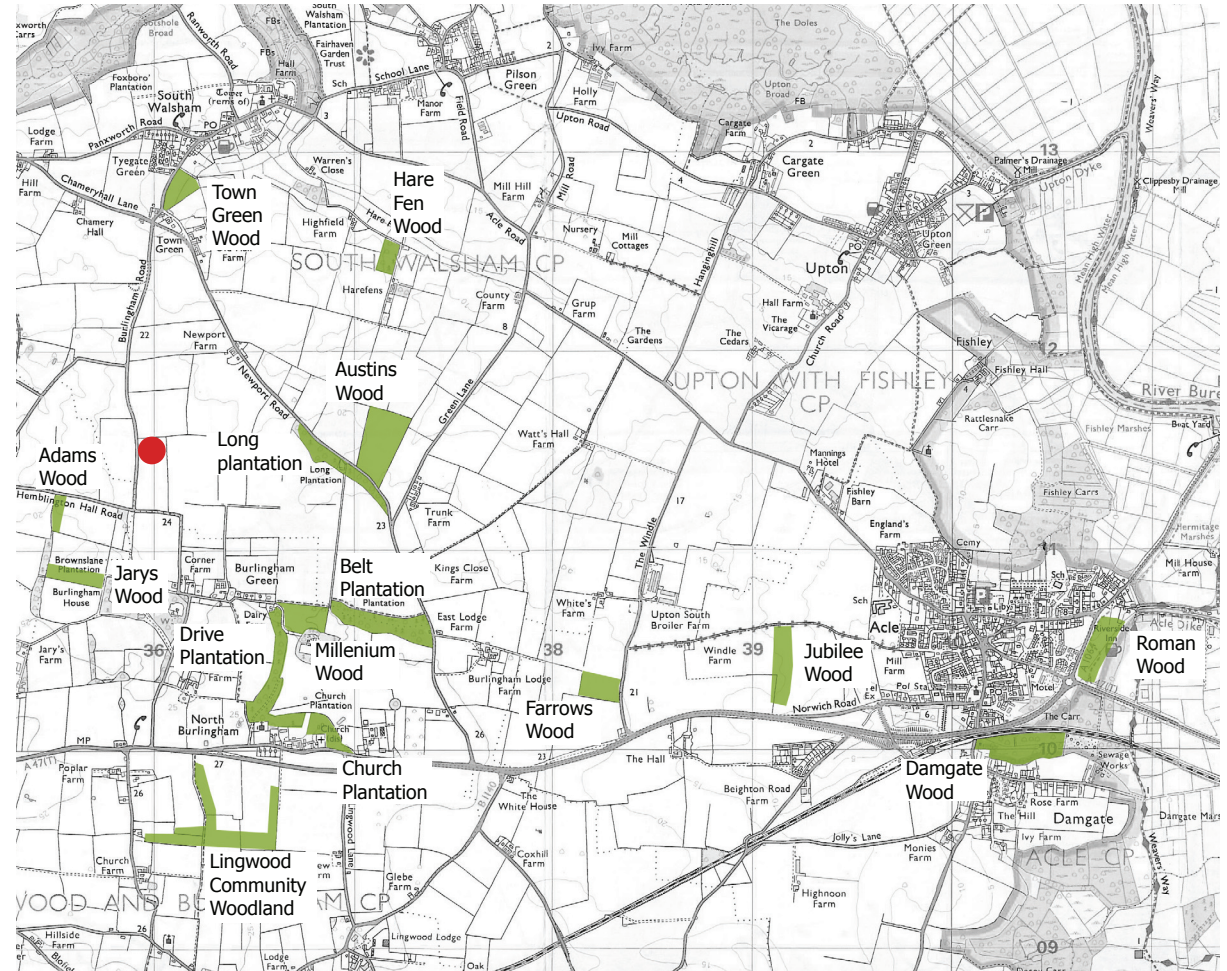
- new woodland of 3.5ha (2500 trees), including an orchard of 30 trees.
- access path of 800M to link with existing routes.
- interpretive material.
- community engagement and involvement
- tactile sculptures.
- new bench

Requirement for the project:

Enhancing existing woodlands and creating new sites, to improve public access, grow quality hardwoods and enhance wildlife value to land to the north east of Norwich.

The project is in the centre of a group of villages that are identified for growth in the emerging JCS:

- Acle, Blofield and Brundall are all "Key Service Centres"
 - Blofield Heath, Lingwood and South Walsham are "Service Villages".
- The total allocations in these villages could be in the region of 300-400 dwellings, with unallocated "windfall" development adding to this. This modest project matches this planned level of growth.



● Site Location

North East Norwich 02 Community Woodlands (F11A)

Greater Norwich Green Infrastructure Delivery Plan



Ownership of the project land:

County Farms

Details of landowner permission:

Agreement in place

Current use of the project land:

Agriculture

Predicted costs and amount of funding sought:

£10-12k

Proposed timescales:

Autumn 2009 for initial planting works ongoing for access improvements in line with the Burlingham Woodlands and Walks project

Details of project partners:

NCC with County Farms

SUMMARY			
		MAX POSSIBLE SCORE	PROJECT SCORE
Stage 1 - Purpose	Spatial criteria sub-total (including GIPA score)	125	60
	Multifunctional criteria sub-total	100	58.8
	Discretionary Points	25	10
TOTAL SCORE FOR GI PRIORITISATION		/250	128.8
Stage 2 - Deliverability	Implementation criteria sub-total	no. green	1
		no. amber	4
		no. red	1
	Leadership criteria sub-total	no. green	4
		no. amber	0
		no. red	1
	Timescale criteria sub-total	no. green	1
		no. yellow	0
		no. amber	0
		no. red	0

Greater Norwich Green Infrastructure Delivery Plan

Mousehold Heath is a unique 88ha area made up of woodland, heathland and recreational open space within Norwich. The site has played an important part in the history of Norwich and it is a designated Local Nature Reserve. It is important both for its wildlife and as a place for people to enjoy.

Applicant details:

Norwich City Council; Mousehold Heath Conservators

Lead Contact/Project Manager:

Paul Holley/George Ishmael – Norwich City Council

Location of the project:

A wedge-shaped area of heath and woodland lying northeast of Norwich city centre, just inside the city ring road leading towards the urban fringes. Central grid reference is TG245104.

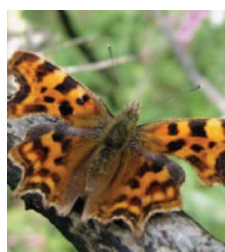
Site status:

- Local Nature Reserve
- County Wildlife Site
- St. Williams Chapel is a Scheduled Ancient Monument
- Heathland is a National Biodiversity Action Plan priority habitat

The current Norwich Local Plan defines Mousehold Heath as a publicly accessible open space, and local plan policies NE7 and NE8 provide protection for the site's nature conservation and geological interest. The Mousehold Heath Management Plan (2008), which has been adopted by the Mousehold Heath Conservators and Norwich City Council, provides a framework for the management of the site.

Description of the project:

With new developments proposed to the north east of Norwich, there may be opportunities to re-create heathland over parts of the historic extent of Mousehold Heath, and establish a connecting habitat corridor with the existing Mousehold Heath site. Although the full development of this link might take many years (much



03 Mousehold Heath (F7A)

of the land concerned is now occupied by built development), the proposal is supported by the Norfolk Biodiversity Partnership and many of its constituent members (see references).

This project proposal aims to both increase the remaining area of heathland on the existing Mousehold Heath site, and to investigate the possibilities for extending this habitat to the north east of the current site through working with other partners. The two main strands of the project are as follows:

1. Existing Mousehold Heath site

Much of the previously existing heathland habitat at Mousehold Heath has been lost through lack of management leading to scrub encroachment. This strand of the project aims to re-create heathland on areas where it formerly occurred; the emphasis will be on areas capable of being restored to heathland, as identified in the Mousehold Heath Management Plan (2008), on the northern boundaries of the current heathland area. The main objectives will be:

- To extend heathland habitat north-eastwards, in order to eventually link with newly re-created heathland on areas formerly occupied by the historic Mousehold Heath.
- To increase the overall sustainability of heathland at Mousehold, by re-creating new areas of heathland and linking together existing fragments. The expansion of this threatened habitat will safeguard existing populations of heathland species known to occur at Mousehold, and enable them to expand their ranges.
- To demonstrate and evaluate a range of heathland restoration and management techniques, including tree/scrub removal, soil stripping, and natural regeneration versus re-seeding. All these techniques have been proven in heathland restoration schemes elsewhere in the UK.
- To create more open, accessible areas to visitors, and to raise public awareness of the value of heathland and the techniques in managing it.

2. Land adjacent/near to existing Mousehold Heath

Several areas adjacent or close to the existing extent of Mousehold Heath might be suitable for re-creating heathland, or other types of semi-natural habitat. These include the extensive grounds of both the Open Academy and the Norwich Family Life Church on Heartsease Lane, and areas of land managed by Norwich City and Broadland District Councils. The main objective of this strand of the project will be to:

- Establish contact with relevant landowners, and assess the possibilities of creating heathland or other habitats on land within their control.
- Raise the profile of heathland, and the possibility of creating a habitat corridor stretching north eastwards towards new proposed developments beyond the existing built up area.

Mousehold Heath (F7A) 03

Greater Norwich Green Infrastructure Delivery Plan

Requirement for the project:

In line with the objectives of the management plan, to:

- ensure that the area is managed as effectively as possible to maintain and enhance its wildlife and historic value
- promote and enhance people's access to, and enjoyment of, the site

Ownership of the project land:

- Norwich City Council for the existing heathland
- Broadland DC for the Roundtree Industrial Estate
- Mousehold Academy (new/refurbished High School on Mousehold Lane)
- Mount Zion Family Life Centre on Mousehold Lane, site of former church building, destroyed by fire)

Details of landowner permission:

The land in question is owned by Norwich City Council and managed by the Mousehold Heath Conservators, so it will not be necessary to obtain other permissions/consents prior to commencing the above works

Current use of the project land:

Publicly accessible grassland/heath/woodland – with associated sports pitch; play area; pitch & putt course; car parking; tracks for orienteering; public viewpoint.

Predicted costs and amount of funding sought:

Carrying out heathland restoration work on existing site:	£5000-8000
New heathland creation demonstration area*	£2500-4500
Consultancy time:	£750
Publicity & promotion:	£1,750
Total:	£10,000-15,000



*This will be dependent on both suitable land being available for heathland creation and the co-operation of the landowner(s). If this does not materialise, it is proposed that any funding remaining is spent on further heathland restoration work on the existing site.

Proposed timescales:

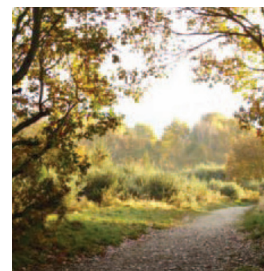
Autumn 2009 onwards

Details of project partners:

Mousehold Heath Conservators; Residents Forum; Norwich City Council; Norwich Fringe Project. Works and technical advice on heathland restoration will be overseen by Norwich City Council, with the Mousehold Heath Wardens organising site management works. Norwich City Council will be involved in consulting and liaising with landowners; with the Mousehold Wardens assisting with liaising with other parties.

References:

- Report of Ecological Network Mapping Project for Norfolk, Land, Reg 2006. Norfolk Wildlife Trust for Norfolk Biodiversity Partnership.
- Action Plan for Local Indicator 4.5: Ecological Networks (Local). Norfolk County Council & Norfolk Biodiversity Partnership, 2009.
- Mousehold Heath Management Plan 2008 – 2013. Mousehold Heath Conservators & Norwich City Council, 2008.



SUMMARY			
		MAX POSSIBLE SCORE	PROJECT SCORE
Stage 1 - Purpose	Spatial criteria sub-total (including GIPA score)	125	40
	Multifunctional criteria sub-total	100	71.4
	Discretionary Points	25	20
TOTAL SCORE FOR GI PRIORITISATION		/250	131.4
Stage 2 - Deliverability	Implementation criteria sub-total	no. green	4
		no. amber	2
		no. red	0
	Leadership criteria sub-total	no. green	4
		no. amber	0
		no. red	1
Timescale criteria sub-total	no. green	1	
	no. yellow	0	
	no. amber	0	
		no. red	0

Greater Norwich Green Infrastructure Delivery Plan

Applicant details:

Norwich City Council; South Norfolk Council; Norwich Fringe Project

Lead Contact/Project Manager:

Matt Davies – Norwich Fringe Project

Location of the project:

Yare Valley (Earlham & Bowthorpe)

Description of the project:

Phase 1 of a project which aims to develop the unifying concept of a River Parkway, a linear country park based on the Yare river corridor between Bawburgh and Whitlingham Country Park. The Parkway would comprise a linear corridor of linked green spaces along both banks of the river. The Yare River Parkway concept would:

- be considered as a single entity for the management of wildlife, recreation and people movement (for recreation, commuting, shopping visiting etc) on foot, on cycle, and on water
- be promoted to raise awareness of its significance and links with residential areas, centres of employment and education, the hospital, local shopping etc, and the surrounding countryside
- have a clearly identified spinal walk (e.g. The Yare Valley Way), comprising a continuous off-road link connecting with the various circular walks in the valley and with the urban and rural links
- connect with, or link to, the existing open access areas and parks such as Bowthorpe South Park, Earlham Marshes and Earlham Park
- link with the proposed Wensum River Parkway at Whitlingham Country Park
- be linked with the proposed South Norwich Cycleway Loop
- improve the links with local destinations - e.g. The Hospital, Sportspark, Norwich Research Park, UEA, Sainsbury Centre, Caistor Roman town and local superstores
- be linked into an adjacent urban and rural network of footpaths and cycleways – such as The Avenues/Cow Lane Cycleway and The Lakenham Way
- be a recreational waterway for unpowered boats to extend water activities at Whitlingham Country Park/etc

Much of the path is already in existence, but the following key sections of the

04 Yare Valley Parkway: Phase 1 (F6A)



route remain to be put in place:

- Bawburgh Mill to Bowthorpe Southern Park
- Cringleford Mill to Keswick Mill
- Marston Marsh (eastern end) to Harford Bridge
- Harford Bridge to Lakenham Bridge
- Trowse Bridge to Whitlingham Country Park (possible off-road route incorporated into the Deal Ground Site re-development scheme)

Phase 1 – Earlham & Bowthorpe

Improve existing links along the Yare Valley walk from Bowthorpe to the UEA and Cringleford. Links that have been identified as being in most need of some form of management or repair work include:

- The existing path through Earlham Millennium Green, well used by local people to gain access from the West Earlham housing estate (Bevan Close) to Earlham Marshes, Earlham Road and Earlham Park. The path has suffered from extreme water damage and has been washed out in a number of places. The proposal is to resurface the path with a more rigid material to provide better access for all.

Estimated costs: £30,000

- A desire line runs from Tollgate roundabout and takes walkers away from the road and into an area of young woodland. The grassland path runs parallel to Dodderman Way and links walkers from Bowthorpe Southern Park to the network of paths, which provide access to Chapel Break, Clover Hill and West Earlham. The proposal is to surface the path with a suitable material which will improve access for all.

Estimated costs: £6,000

- An existing desire line used by people to get access to the Yare Valley walk on Bowthorpe Marshes from the road bridge on Tollgate Bowthorpe. This involves people walking down a steep slope causing erosion problems and also health & safety issues. To resolve this we would put in a series of wooden steps which would be built by BTCV's mid week volunteer Group involving volunteers from the community.

Estimated costs: £2,500 for labour and material costs

Requirement for the project:

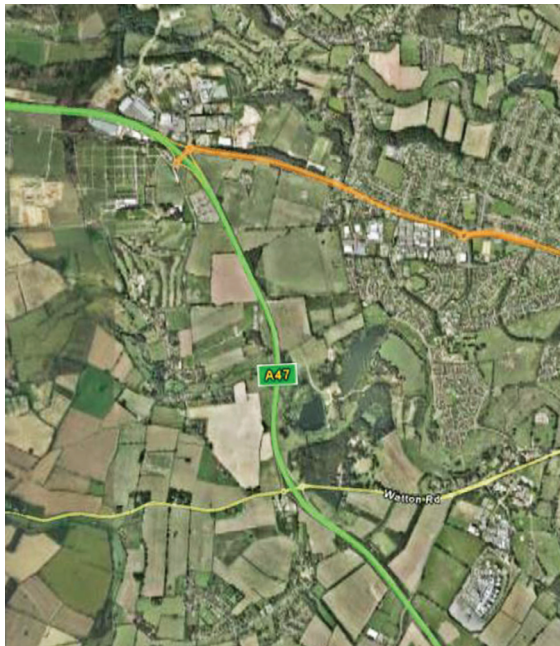
Providing access to the Yare valley in an area of planned growth.

Ownership of the project land:

Various

Yare Valley Parkway: 04 Phase 1 (F6A)

Greater Norwich Green Infrastructure Delivery Plan



Details of landowner permission:
n/a

Current use of the project land:
Existing footpaths/wetland/grazing marsh

Predicted costs and amount of funding sought:
Phase 1: £38,500.00 (see cost breakdown above)

Proposed timescales:
Autumn 2009 for Phase 1 (access improvements); ongoing for Phase 2 (linkages in this part of the river valley)

Details of project partners:
Norwich City Council

SUMMARY			
		MAX POSSIBLE SCORE	PROJECT SCORE
Stage 1 - Purpose	Spatial criteria sub-total (including GIPA score)	125	93
	Multifunctional criteria sub-total	100	58.6
	Discretionary Points	25	20
TOTAL SCORE FOR GI PRIORITISATION		/250	139
Stage 2 - Deliverability	Implementation criteria sub-total	no. green	0
		no. amber	6
		no. red	0
	Leadership criteria sub-total	no. green	4
		no. amber	0
		no. red	1
Timescale criteria sub-total	no. green	1	
	no. yellow	0	
	no. amber	0	
		no. red	0