

NORFOLK BIODIVERSITY PARTNERSHIP

**Co-ordinator's Progress Report for the Period:
25 July – 25 October 2007**



NORFOLK BIODIVERSITY PARTNERSHIP
Quarterly Progress Report: 25 July – 25 October 2007

Introduction

This report presents a brief summary of the activities of the Biodiversity Co-ordinator over the three-month period from 25 July to 25 October 2007. As with the previous quarterly reports, it is presented using the template from Natural England, which is now in use by many LBAP partnerships across the country. Additional information is presented in a series of annexes: Annex 1 presents a summary of the issues addressed at recent Topic Group meetings; Annex 2 presents a summary of the recent project proposals considered by the Biodiversity Project Fund; Annex 3 is a list of all the projects supported to date by the Fund; and Annex 4 presents information about forthcoming biodiversity events.

Highlights

- In collaboration with the Suffolk Biodiversity Partnership, the third annual seminar on Local Development Frameworks and Biodiversity was held on 13 September. The day attracted over 30 participants from the two counties (primarily LA officers), and featured a series of overview presentations by Mike Oxford (ALGE), practical exercises and local case studies.
- I attended the national LBAP conference in Exeter from 18-20 September. The conference brought together LBAP co-ordinators from across the UK as well as national HAP and SAP leads and other experts. Key topics of discussion included: biodiversity and planning (with a focus on the NERC biodiversity duty), the UK targets review, communications and ecological networks. At the request of the organisers, I gave a short presentation about the work of the Norfolk Partnership on promoting the incorporation of biodiversity into LDFs.
- The Annual Biodiversity Forum was held on 11 October, and brought together nearly 100 participants. This year's Forum was organised under the broad theme of "biodiversity and health", and featured a keynote presentation by Prof Jules Pretty OBE, the Head of Biological Sciences at the University of Essex. Other speakers included Marya Parker from BTCV, who spoke about the Green Gym; Carrie Kerry, who spoke about the Central Norfolk Health Walks; and Ian Plowman, who gave a presentation about the Naturally Active Network. A significant number of representatives from the Norfolk PCT also took part in the Forum, and the possibility of developing further linkages is now being explored.

- The district-level ecological network maps have now been finalised by Reg Land at NWT and digitised by Nicola Atton at NCC. The complete set of reports and GIS layers is being copied onto CD, and will be made available to all local planning authorities and other interested parties in the near future.
- There have been a number of important developments with regard to the Partnership's funding base. A four-year funding agreement (until 2011) has been signed with KLWNBC. In addition, Natural England has announced that £16,000 will be made available to the Partnership in 2008/09. Funding beyond that period has not yet been confirmed, but Natural England has indicated that it would like to enter into a three-year Memorandum of Agreement with the Partnership.
- Several new project proposals were approved during the quarter, dealing with: a survey of coastal BAP habitats in Great Yarmouth; the digitisation of the UEA/NCC hedgerow database and the creation of a GIS layer; research into the management requirements of two species of arable plants; and the conservation of tassel stonewort.
- The song thrush action plan was fully revised and posted on the biodiversity website. Substantial progress was also made on a number of other plans, including a new grouped plan for five species of stoneworts, the revised bittern action plan and the bullfinch action plan.
- Seven Topic Groups met during the quarter. A meeting of the "Farming and Biodiversity Practitioners' Forum" was also held on 16 October, bringing together landowners, agronomists, statutory agencies, FWAG, RSPB and the County Council; the principal focus of the afternoon was a farm walk to look at the Higher Level Scheme that has been put into place at High Ash Farm.

More information about these highlights, as well as a complete summary of the progress being made against all the "Core Services", is presented in the following table.

NORFOLK BIODIVERSITY PARTNERSHIP

Summary of Progress

CORE SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<p>1. Establishing and maintaining a broad partnership</p> <ul style="list-style-type: none"> As far as possible, ensure that all relevant sectors are engaged in the local biodiversity partnership. 	<ul style="list-style-type: none"> Local partnership contains representatives from a wide range of sectors including, as far as possible and as appropriate: business and industry; agriculture; water; marine and coastal; forestry; education; and health. It also includes local government, NGOs and government agencies. Partnership meets regularly (at least three times per year) and fosters ownership of outcomes by all stakeholders. 	<ul style="list-style-type: none"> Three additional partners signed the Memorandum of Understanding during this quarter: Norfolk and Norwich Naturalists' Society; FWAG; and the Borough Council of King's Lynn and West Norfolk. A meeting of the Steering Group was held on 25 July.

<p>2. Delivering BAP locally</p> <ul style="list-style-type: none"> • Where they do not already do so, ensure that local biodiversity objectives include spatially-explicit SMART targets for the delivery of habitats and species, taking into account national targets. • Work with the partnership to agree a range of projects to deliver the local biodiversity objectives. 	<ul style="list-style-type: none"> • A prioritised list of biodiversity projects that incorporate spatially-explicit targets for the delivery of habitats and species and which, where possible, make links to social and economic objectives. • Implementation of these projects and demonstration of progress towards local objectives. 	<ul style="list-style-type: none"> • The Partnership has continued to operate its Biodiversity Project Fund, which is used to support priority activities contained in the Action Plans (please see the section on “Additional Services” below). Two grants totalling £2,500 have been received from EA towards the tassel stonewort project.
<p>3. Fund-raising for BAP delivery</p> <ul style="list-style-type: none"> • Develop and implement a funding strategy to obtain national (e.g. HLF) and local sources of external funding in support of BAP projects and to obtain funding for the local biodiversity service in the long term. • Work with the regional biodiversity partnership in the development of funding for collaborative projects. 	<ul style="list-style-type: none"> • Implementation of funding strategy to lever funds for biodiversity from external bodies and to secure long-term funding for biodiversity in the area. 	<ul style="list-style-type: none"> • A four-year funding agreement (to 2011) was signed with KLWNBC. • Natural England has announced that £16,000 will be made available to the Partnership in 2008/09. Funding beyond that period has not yet been confirmed, but Natural England has indicated that it would like to enter into a three-year Memorandum of Agreement with the Partnership.
<p>4. Reporting and monitoring progress</p> <ul style="list-style-type: none"> • Use the Biodiversity Action Reporting System (BARS) to report on the implementation and delivery of actions initiated locally. 	<ul style="list-style-type: none"> • Progress is reported at least annually, and the LBAP contribution is fully reported in triennial national BAP reporting rounds. • Results of monitoring used to inform review of objectives and to set future directions. Undertake a review of the LBAP at least every 5 years seeking to ensure that it remains relevant and adapts to take into account any changes to national priority species, habitats and targets. 	<ul style="list-style-type: none"> • Information about plan implementation continues to be entered onto the system as time permits. Most recently, the Heathland Topic Group carried out a detailed assessment of the implementation status of the woodlark and nightjar action plans, and this information will be placed onto BARS in the near future.

5. Integrating BAP into local policies

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| <ul style="list-style-type: none">• Proactively support local authorities, so that they are better able to develop innovative ways of delivering biodiversity locally.• Actively promote the inclusion of biodiversity objectives into Community Strategies, Local Development Frameworks and other local plans.• Promote best practice in the planning system, providing support and advice to LPAs to avoid loss of features through development, and to make the most of opportunities from planning gain. | <ul style="list-style-type: none">• Regular liaison established with the local strategic partnership and planning authority.• Increased profile for biodiversity within existing and new local plans (demonstrate this with examples).• New or revised Community Strategies and LDFs include biodiversity objectives consistent with LBAP targets. | <ul style="list-style-type: none">• <u>Seminar on LDFs and Biodiversity</u>: In collaboration with the Suffolk Partnership, the third annual seminar on LDFs and biodiversity was held on 13 September. The seminar attracted over 30 participants (mostly from local authorities), and featured a series of overview presentations on the latest national developments, a practical exercise looking at the sustainable allocation process, and local case studies about LDFs in Norfolk and Suffolk. Feedback on the evaluation forms indicated that local authorities would like the seminar to be maintained as a regular annual event; however, it will be important for future seminars to involve not only forward planners and ecologists, but also, development control officers.• <u>South Norfolk Community Strategy</u>: On 3 October, I took part in a meeting of the sub-group which has been established to develop and oversee the econet component of the South Norfolk Community Strategy. As part of this programme, NWT has made significant progress with its surveys to monitor the condition of existing County Wildlife Sites in South Norfolk and to assess the suitability of potential of new sites.• <u>Norwich Community Strategy and Environment Roundtable</u>: I have continued to provide input to the Norwich Action Plan, which includes a strong biodiversity component as well as a specific reference to ecological networks. |
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<p>7. Representation</p> <ul style="list-style-type: none"> • Ensure the LBAP partnership is represented on the regional biodiversity forum and other relevant regional and national meetings. • Respond to consultation from partners at regional and national levels of the BAP process. 	<ul style="list-style-type: none"> • Ensure the LBAP partnership is represented at appropriate regional and national meetings and fora (e.g. review groups and training workshops). Demonstrate with examples. • Responses to regional and national consultations relating to biodiversity (demonstrate with examples). • Regular contacts exist with the regional biodiversity partnership and the national LBAP co-ordinator and facilitator, with a two-way flow of information including exchange of examples of good practice and over-arching problems (demonstrate with examples). 	<ul style="list-style-type: none"> • <u>Regional Biodiversity Forum</u>: I participated in a special meeting of LBAP Chairs and Co-ordinators, held in Cambridge on 1 October. The day was designed to foster an exchange of information and experience among LBAPs, and included a SWOT analysis and a presentation by Donna Radley from NE on the new “core services”. I gave a short presentation about the Norfolk Biodiversity Partnership’s experience of operating a project fund. • I also attended a meeting of the Regional Biodiversity Forum at Sutton Hoo on 18 October. The morning was dedicated to a site visit of Rendishall Forest to look at management practices and the impacts of the 1987 storm. Key topics discussed in the afternoon included the Regional Economic Strategy and species re-introductions in the region. • <u>National White-clawed Crayfish Steering Group</u>: I met with members of the national white-clawed crayfish Steering Group on 11 September in Thetford. The Brecks Partnership arranged for a series of presentations to be given about ongoing crayfish initiatives in Suffolk and Norfolk, and also organised a programme of site visits. Steve Henson from NWT presented a summary of the survey work that has been supported by the Norfolk Partnership.
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ADDITIONAL SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<p>Establishing and maintaining a broad partnership</p> <ul style="list-style-type: none"> Organise an Annual Biodiversity Forum, in order to: encourage networking among a diverse range of organisations and stakeholders with an interest in biodiversity; provide opportunities to learn about the work of the Biodiversity Partnership; and stimulate discussion about the key issues and challenges facing biodiversity in the county. 	<ul style="list-style-type: none"> Biodiversity Forum is held on an annual basis, with participation from a diverse range of organisations and stakeholders; feedback via evaluation forms demonstrates that objectives are being met. 	<ul style="list-style-type: none"> The Annual Biodiversity Forum was successfully held on 11 October, on the theme of “health and biodiversity”. Nearly 100 participants took part, representing a very broad range of organisations, including the NHS. The keynote address was given by Prof Jules Pretty from the University of Essex. The day also included presentations about the Green Gym, the Central Norfolk Health Walks Project and the Naturally Active Network.
<p>Delivering BAP locally</p> <ul style="list-style-type: none"> Facilitate and support the operation of multi-stakeholder, thematic/habitat-based Topic Groups. 	<ul style="list-style-type: none"> Existing Topic Groups continue to meet on a regular basis, and to develop, promote, monitor and revise Habitat and Species Action Plans and other relevant LBAP plans. 	<ul style="list-style-type: none"> Seven Topic Groups met during the quarter. In addition, a meeting of the Farming and Biodiversity Practitioners’ Forum was also arranged. All groups remain involved in Action Plan preparation, implementation and review (please see Annex 1: Summary of Topic Group Meetings). The song thrush action plan has been fully revised and published on the biodiversity website. Substantial progress has been made with several other action plans, including those for bittern, reed bunting, bullfinch and a grouped plan for five species of stoneworts.

<ul style="list-style-type: none"> • Subject to the availability of funding, administer and manage a Biodiversity Project Fund to support the delivery of projects linked to the implementation of the Habitat and Species Action Plans and/or the achievement of LBAP aims more broadly. 	<ul style="list-style-type: none"> • The existing Biodiversity Project Fund remains operational; projects which meet the Fund's criteria are financially supported. 	<ul style="list-style-type: none"> • Four new project proposals were approved, dealing with: a survey of coastal BAP habitats in Great Yarmouth; research into the management requirements of two species of arable plants; the digitisation of the hedgerow database; and the conservation of tassel stonewort. Please see Annex 2 for a summary of project proposals considered this quarter. • A complete list of the activities supported by the Biodiversity Project Fund from its inception can be found in Annex 3.
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Annex 1: Summary of Topic Group Meetings Held

Topic Group	Meeting Date	Principal Issues Discussed
Coastal BAP Topic Group	8 October	Follow-up to the soft cliffs workshop; feedback from the national Marine Protected Areas conference; presentation on the work of SeaSearch.
Communities and Nature BAP Topic Group	17 September	Feedback on Wild about Norfolk; implications of the new list of priority habitats and species; the 2008 Community Biodiversity Awards; discussion about the possibility of a workshop for community groups.
Ecological Networks Topic Group	No meeting held this quarter (update on progress circulated by email)	
Farmland BAP Topic Group	4 September	Presentation on Natural England's Undergrazing Project; review of the first draft of the bullfinch action plan; discussion about two possible arable plant projects; arrangements for the next Farming and Biodiversity Practitioners' Forum.
Farming and Biodiversity Forum	16 October	Site visit to see the Higher Level Scheme at High Ash Farm.
Heathland BAP Topic Group	4 October	Review of the implementation status of the nightjar and woodlark action plans; discussion of the draft regional heathland targets; implications of the new national list of UK BAP species and habitats; arrangements for the next Heaths Forum.
Heathland Practitioners' Forum	No meeting held this quarter.	

Waterbodies BAP Topic Group	2 October	Presentation on the River Wensum Restoration Strategy (including a site visit to Taverham Mill); update on projects (River Glaven crayfish survey, Lound pillwort survey, diving beetle survey and tassel stonewort); discussion about a possible ponds habitat action plan; and review of the grouped plan for stoneworts.
Wetlands BAP Topic Group	17 October	Update on the BESL/EA Task and Finish Group; final review and sign-off of the bittern action plan; first review of the draft reed bunting action plan; non-native species management forum.
Woodlands BAP Topic Group	22 October	Management of traditional orchards (site visit to the Fens); possibility of designating orchards as County Wildlife Sites.

Annex 2: Summary of Recent Proposals Submitted to the Biodiversity Project Fund

	Title of Proposal	Topic Group/ Lead Organisation	Amount Requested	Decision
1	Proposal to Survey Non-SSSI Coastline of Great Yarmouth Borough to Identify BAP Habitats and Potential County Wildlife Sites	Coastal Topic Group/ NWT	£750	Approved. EA has also contributed £2,000 towards this project.
2	Development of a Norfolk Hedgerow Database, GIS Layer and Leaflet	Farmland/ UEA	£3,500	Approved, subject to endorsement of the full Co-ordinator's Group. NCC has provided £1,500 towards this project.
3	Habitat Management for the Rare Arable Weeds <i>Silene gallica</i> and <i>Galeopsis angustifolia</i> : Disturbance and its Impact on Populations	Farmland/ Hopkins Invertebrate Surveys Ltd	£1,019	Approved, subject to the receipt of consent from RSPB/Natural England to carry out activities at Snettisham, and approval from NCC to carry out activities at Felmingham.
4	Norfolk <i>Tolypella intricata</i> population assessment and recovery plan: Phase 1 of 3	Waterbodies BAP Topic Group	£550	Approved. The Environment Agency has also contributed a total of £2,500 towards this project.
5	Fencing of Glaven Farm Meadows CWS to Enable Livestock Grazing	River Glaven Conservation Group	£2,000	Not approved. This was an initial project concept (not a full project proposal). Whilst very supportive of the proposal's objectives, the Co-ordinator's Group felt that capital costs of this kind are not suitable for Biodiversity Project Fund support, given the very small size of the Fund.

Annex 3: Summary of Projects Supported by the Norfolk Biodiversity Partnership through the Biodiversity Project Fund, from 2004/05 Onwards

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Coastal	Saline Lagoon Workshop	- To organise a one-day workshop on saline lagoon management, with Dr. R.N. Bamber.	Saline lagoon HAP	North Norfolk	Peter Lambley, EN	One-day event (workshop, held on 14 Oct 2004)	£550	£550 (100%)	Successfully completed
Coastal	A Study of the Soft Rock Cliff Invertebrate Fauna of the Norfolk Coast	- To gather new data on the invertebrate communities of the Norfolk coast - To contribute data to Buglife's UK-wide study into maritime soft rock cliffs - To hold a workshop on soft cliff management.	Maritime cliff and slope HAP	North Norfolk	Andrew Whitehouse, Buglife	May - Nov, 2006	£7,300	£4,300 (59%)	Completed and report received. A soft cliffs practitioners' workshop was held on 19 July 2007.
Coastal	Production of a Harbour Porpoise Identification and Survey Card	- To enhance understanding of the distribution and status of harbour porpoise off the coast of Norfolk	Harbour porpoise SAP	North Norfolk, KLBC, GYBC	Graeme Cresswell, NCC	Card to be launched in summer 2008	£1,780	£1,280 (72%)	The artwork has been completed. Discussions are underway with Essex and Suffolk about the possibility of making this a regional project.
Coastal	Survey of Coastal BAP Habitats in Great Yarmouth Borough	- Identify extent of BAP habitats and prepare a GIS layer - Identify possible County Wildlife Sites	Coastal sand dune, maritime cliff and slope, and grassland HAPs	GYBC	Reg Land, NWT	Aug-Nov 2007	£3,000	£750 (25%)	Survey completed; report awaited.

 = Project closed.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Communities and Nature	Norwich Rivers and Green Spaces Project	- To raise awareness about Norwich's rivers and encourage community involvement to enhance the urban river corridor.	The project has linkages to a number of action plans.	Norwich City	Matt Davies, Norwich Fringe Project	One year (Sept 2005-Aug 2006) Extended to Nov 06	£30,490	£5,000 (16%)	Completed and final report received.
Communities and Nature	Support for "Wild about Norfolk" 2005 (bird and bat boxes)	- To inform the general public (particularly children) about Norfolk's wildlife and inspire an active interest in conservation.	This project contributes to the Biodiversity Partnership's Awareness Strategy	Thetford	Jennie Murdy, RSPB local group	One day event (15 Oct 2005)	£4,300 + volunteers' time est. at £6,900	£500 (11.6%)	Successfully completed; report received.
Communities and Nature	Support for "Wild about Norfolk 2006" (printing of activity booklet)	- As above.	As above.	Norwich	Jennie Murdy	9-10 Sept 2006		£500	Successfully completed. Over 4,000 people attended the event. Report received.
Communities and Nature	Support for "Wild about Norfolk 2007" (printing of activity booklet)	- As above	As above	Norwich	Jennie Murdy	8-9 Sept 2007	£750	£500 (67%)	Booklet printed and WaN successfully held. Report awaited.
Communities and Nature	Wensum Valley churchyards	- To improve the management of churchyards and cemeteries for wildlife	Churchyards and Cemeteries HAP	Breckland	Robin Goolden	Three years (July 2007-July 2010)	£3,000	30%	Project to be initiated.
Communities and Nature	A community toolkit for the protection of white-clawed crayfish	- To reduce the risk of introducing alien crayfish and crayfish plague to the River Wissey	White-clawed crayfish SAP	Breckland	Abby Stancliffe-Vaughan	One year (June 07-June 08)	£3,114	£2,600 (83%)	Draft leaflet and animated DVD received and reviewed by Co-ordinator's Group.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Ecological Networks (Large Areas)	Making Space for Wildlife: Creating an Ecological Network for Norfolk	<ul style="list-style-type: none"> - To promote the development of an ecological network in Norfolk; - To develop a Norfolk econet map; - To prepare a set of project briefs to take the econet forward. 	An "umbrella project" with linkages to many different HAPs and SAPs.	County-wide	Reg Land, NWT	March 2005 – February 2006	£16,400	£7,200 (44%)	Maps have been digitised. CDs with a complete set of reports and GIS layers are being copied and will be made available to all local authorities.
Farmland	Databases of lowland calcareous grasslands and lowland meadows	<ul style="list-style-type: none"> - To develop a database for each of the BAP grassland habitats for Norfolk 	Calcareous grasslands and lowland meadows HAPs (in prep)	County-wide	Helen Baczkowska, NWT	Nov 05 – March 06	£5,000	£3,500 (70%)	Successfully completed; report received.
Farmland	Biodiversity and farming exhibition at the Norfolk Show	<ul style="list-style-type: none"> - To demonstrate ways in which farmers can manage their land to help conserve and enhance biodiversity. 	Farmland HAPs and SAPs	County-wide	Belinda James	June 2006	£22,375	£1,000 (4.5%)	Completed; brief report received.
Farmland	Norfolk hedgerow database and GIS layer	<ul style="list-style-type: none"> - To develop a hedgerow GIS layer and leaflet 	Hedgerow HAP	County-wide	Tom Williamson, UEA	Jan-Oct 2008	\$5,000	£3,500 (70%)	To commence in 2008.
Farmland	Habitat Management for the Rare Arable Weeds <i>Silene gallica</i> and <i>Galeopsis angustifolia</i>	<ul style="list-style-type: none"> - Increase the area occupied by both populations and establish a new self-sustaining population of <i>Silene gallica</i> - Identify management and disturbance requirements 	Arable plant SAPs	Snettisham and Felmingham	Graham Hopkins	Oct 2007-Oct 2008 (Phase 1)		£1,019	Project to start once consent received from RSPB, NE and NCC. In-kind contributions of £20,600 expected by 2015.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Heathland	Heathland CWS Assessment	<ul style="list-style-type: none"> - To draw together existing information on heathland CWS; - To carry out proactive site visits and surveys; - To establish a programme of condition monitoring; - To identify priority areas for management advice and targeting future grant aid. 	Heathland HAP	County-wide	Helen Baczkowska, NWT	Oct 2004 - Oct 2005	£1,000	£1,000 (100%)	Completed. Report awaited.
Heathland	Translocation of Silver-studded blue	<ul style="list-style-type: none"> - To carry out a translocation of SSB from Buxton heath to Cawston heath 	Draft silver-studded blue SAP calls for re-introductions to two sites by 2010.	Broadland	Mandy Gluth, BC	July 2006	£500	£500 (100%)	Translocation completed. Report received.
Heathland	Translocation of Silver-studded blue: Phase 2	<ul style="list-style-type: none"> - To carry out a second translocation of SSB from Buxton to Cawston. 	As above.	Broadland	Mandy Gluth, BC	July 2007	£500	£500 (100%)	Translocation completed in July 2007; report in preparation.
Waterbodies	Water Vole Survey	<ul style="list-style-type: none"> - To carry out a repeat survey of the national survey sites in Norfolk in 2005/06 	Water vole SAP (Action 5.5.4)	County-wide, with focus on Broads.	Steve Henson, NWT	Oct 05-Aug 06 (extended to 2007)	£3,400 plus in-kind costs from NWT	£1,400 (41%)	Ongoing; first phase completed.
Waterbodies	Great Crested Newt Record Collation	<ul style="list-style-type: none"> - To create a single, integrated dataset of GCN occurrence in Norfolk. 	GCN SAP (Actions 5.1.1, 5.1.2, 5.2.1, and 5.5.2)	County-wide	Helen Baczkowska, NWT	Nov 05 – March 06 (extended to 2007)	£3,000 plus in-kind costs from NWT	£2,000 (66%)	Ongoing.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Waterbodies	Norfolk Broads Mink Management Project	<ul style="list-style-type: none"> - To establish strategic control of mink in the Broads; - To establish a self-sustaining mink control network; - To monitor mink and water populations; - To improve habitat management. 	Water vole SAP	Broads National Park	Julia Masson/ Rick Southwood	April 06 - March 08	£43,100	£5,000 (12%)	Ongoing. Over 120 rafts have been distributed.
Waterbodies	Mid-Norfolk Mink Management Project: Phase II	<ul style="list-style-type: none"> - To establish strategic control of mink in selected parts of the Wensum River Valley; - To establish a self-sustaining mink control network. 	Water vole SAP	Wensum	Heidi Thompson, NCC	1 year	£15,000	£3,500 (23%)	Ongoing. Three-year funding for the project has recently been received from the SITA Enriching Nature programme.
Waterbodies	River Glaven White-clawed Crayfish Survey	<ul style="list-style-type: none"> — To clarify the distribution and status of WCC on the River Glaven and assess its suitability as a refuge ("Ark") site; — To provide training to the River Glaven Conservation Group in crayfish surveying techniques. 	White-clawed crayfish SAP	North Norfolk	Steve Henson, NWT	Sept/Oct 2006	£4,445	£3,733.75 (84%)	Survey completed; final report awaited.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Waterbodies	River Glaven Signal Crayfish Survey 2007	— To clarify the distribution and status of signal crayfish within the River Glaven's Water Lane tributary stream	White-clawed crayfish SAP	North Norfolk	Steve Henson, NWT	August 2007	£3,780	£2,500 (66%)	Survey completed; report awaited.
Waterbodies	Lound Pillwort and Marginal Plant Survey	— To establish the distribution and abundance of pillwort on the Norfolk and Suffolk sides of Lound ponds	Pillwort SAP	Great Yarmouth Borough Council	Broads Authority	July-Oct 2007	£3,130	£580 (18.5%)	Survey postponed until 2008 because of poor weather.
Waterbodies	Diving Beetle (<i>Bidessus unistriatus</i>) Survey	— To survey currently known Norfolk sites at Hickling and Catfield, as well as historical sites at STANTA.	Diving beetle SAP	North Norfolk, Breckland	Geoff Nobes	June-Sept 2007	£2,000	£300 (15%)	Surveys completed. Report awaited.
Waterbodies	Norfolk <i>Tolypella intricata</i> population assessment and recovery plan: Phase 1 of 3	— To survey and record <i>T. intricata</i> at three sites in Norfolk: Sculthorpe Fen, Cantley and Gillingham Marshes — To take water quality samples to determine winter water quality conditions of the sites.	Tassel stonewort SAP	Sculthorpe, Cantley and Gillingham	Stephen Lambert, UEA	Feb-July 2008	£3,050	£550 (18%)	To commence in February 2008.
Wetlands	Sustainable Solutions to the Ochre and Salinity Problems in the Brograve Catchment	- To undertake a feasibility study to develop a plan for sustainable use of land and water resources in the Brograve catchment.	A variety of wetland HAPs and SAPs.	North Norfolk	Lou Mayer, KLCIDB	Jan - Aug 2005	£43,524	£7,300 (17%)	Completed. Report received.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Wetlands	Norfolk Fens Assessment	<ul style="list-style-type: none"> — To assess the management status and condition of all non-SSI fen sites outside the Broads area; — To identify sites in need of restoration; — To prioritise the need for restoration and management advice; — To produce site management statements and conservation plans for priority sites. 	Fen HAP (particularly Action 5.2.4)	County-wide (except Broads)	Andrina Walmsley, NWT	Oct 2004 - April 2006	£13,300	£1,000 (7.5%)	Completed and detailed report received. The final database includes information on 678 sites, each of which is also linked to a map.
Wetlands	Pingo Mapping and Condition Assessment	<ul style="list-style-type: none"> — Identify and map all pingo clusters in Norfolk; — Assess condition and identify sites at risk. 	Fen HAP	Fens and Breckland valleys	Andrina Walmsley, NWT	Jan-Dec 2007	£5,520	£3,020 (55%)	Ongoing.
Wetlands	Fen Restoration Project	<ul style="list-style-type: none"> — Work with landowners to develop management programmes and negotiate funding for the restoration of 20 priority sites. 	Fen HAP	County-wide (outside the Broads)	Andrina Walmsley	Jan 2008 to Dec 2010	£11,734	£3,156 (27%)	Ongoing.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Woodlands	Phase 1 Roadside Orchard Survey	<ul style="list-style-type: none"> To carry out a survey of Norfolk's traditional orchards to establish their extent, status and trends. 	Traditional orchards HAP	County-wide	Gerry Barnes, NCC (with EEAOP)	April-October 2005	£1,500	£1,500 (100%)	Completed; final report and database received.
Woodlands	Phase 2 Biodiversity Survey of Traditional Orchards	<ul style="list-style-type: none"> To carry out surveys of invertebrates, lichens, bryophytes, ground flora and fruit varieties at five traditional orchards, representing different geographical areas and management regimes. 	Traditional orchards HAP	Five sites in South Norfolk, the Fens, mid-Norfolk, and North Norfolk.	Gerry Barnes, NCC (with EEAOP)	To be completed by Dec 2005	£1,000	£1,000 (100%)	Bryophyte, mollusc, lichen and diatom surveys completed.
Woodlands	Propagation of Traditional Norfolk Apple Varieties	<ul style="list-style-type: none"> To ensure that a wide variety of traditional apple saplings is available for distribution (880 trees to be grown) 	Traditional orchards HAP	County-wide	Gerry Barnes, NCC (with EEAOP)	Jan 06 to March 08	£3,036	£1,400 (46%)	Underway. Root stock planted in Feb 06 and budded. Saplings on sale in 2007.
Woodlands	Conservation, Enhancement and Re-creation of Wet Woodland and other Wet Habitats in the Nar and Wensum Valleys	<ul style="list-style-type: none"> Establish a GIS database on wet woodlands/ habitats; Expand the area of wet woodland in positive management by 40 ha by mid-2007; Re-create 10 ha of wet woodland by 2009; Enhance access. 	Wet Woodland HAP	Wensum and Nar River Valleys	Gerry Barnes, NCC	April 06 to March 09	£20,000	£3,600 (18%)	Underway. A preliminary study on the historic occurrence of wet woodland has been carried out by UEA.

Annex 4: Calendar of Forthcoming Biodiversity Events

BAP Steering Group

- Dates for 2008 to be determined.

BAP Co-ordinators' Group

- Dates for 2008 to be determined.

Topic Group Meetings

- Coastal Topic Group: 18 January 2008
- Communities and Nature Topic Group: 14 January
- Ecological Networks Topic Group: Date to be determined.
- Farmland Topic Group: 8 January
- Heathland Topic Group: 30 January
- Waterbodies Topic Group: 22 January
- Wetlands Topic Group: 27 February
- Woodlands Topic Group: Date to be determined.

Biodiversity Forums

- Farming and Biodiversity Practitioners' Forum: Date to be announced.
- Heaths Forum: Date to be announced
- Annual Biodiversity Forum: Date to be announced.

Regional and National Meetings

- East of England Biodiversity Forum: 24 January; 24 April; 24 July; 16 October.

Other Biodiversity Events

- Mad about Marshes: 3 November 2007, Marston Marshes
- Treemendous Trees: 10 November 2007, Norwich
- Hedge Walk and Training Day: 18 November 2007, Banham and Kenninghall
- Garden Design, 25-26 April 2008, The Forum, Norwich
- Wild about Norfolk: 6-7 September 2008, Nottcutts