

NORFOLK BIODIVERSITY PARTNERSHIP

**Co-ordinator's Progress Report for the Period:
26 October 2007 – 7 February 2008**



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Introduction

This report presents a brief summary of the activities of the Biodiversity Co-ordinator over the three-month period from 26 October 2007 to 7 February 2008. 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

- All the reports, maps and GIS layers resulting from the ecological networks project have now been copied onto CD and made available to local authorities and other interested parties. The CD serves as a comprehensive ecological network “toolkit”, and marks the conclusion of this major, three-year project, led by NWT.
- Together with Cumbria, Norfolk has been selected by Natural England as a pilot area to trial the launch of a “Freshwater Non-native Species Management Initiative”. Two meetings have been organised by NE’s consultants (Atkins), involving a wide range of stakeholders and interest groups. A preliminary list of species of concern in the county has been identified, and a broad outline of the strategic action required has been prepared. At the meetings, there was strong support for the creation of a co-ordinator’s post to ensure the continuation of the initiative and to drive forward action on non-native species in the county. Discussions are currently underway about obtaining the necessary funds to support such a position and about the possibility of hosting the post within the Environment Section of Norfolk County Council. There are many potential synergies between this proposed post and the work of the Biodiversity Partnership.
- Last year’s Annual Biodiversity Forum on health and biodiversity has led to a number of positive outcomes. Amongst other developments: North Norfolk is developing a “Green Gym” project; the Chair of the Woodland BAP Topic Group was requested to advise on the possibility of creating a “healing woodland” adjacent to the Norfolk and Norwich Hospital; and the County Council is planning to develop 150 “health and biodiversity” walks. Norfolk PCT’s Public Health Manager has expressed an interest in forging closer links with the Biodiversity Partnership and in exploring the possibility for follow-up activities to the Forum.

- The report of the Brecks biodiversity conference held last summer has been finalised and circulated to all participants. The report includes a summary of the plenary presentations and small working group discussions, and also includes a set of practical recommendations for the future. Discussions about taking forward the recommendations of the conference are now underway with the Ecological Networks Topic Group, the Brecks Partnership and the Suffolk Biodiversity Partnership.
- Several new project proposals were approved over the period, dealing with: the conservation of greater water parsnip; the biodiversity value of non-Broads lakes; a study of the historic occurrence of deer parks and wood-pasture in the county; and the organisation of “Wild about the Wensum”.
- The stoneworts action plan was finalised by the Waterbodies BAP Topic Group and posted on the biodiversity website; this is a “grouped” plan, encompassing five different stonewort species. Norfolk is an internationally-important stronghold for stoneworts, and the new action plan is therefore a particularly important addition to the Norfolk BAP.

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.

Scott Perkin
Biodiversity Co-ordinator
Norfolk Biodiversity Partnership

5 February 2008

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"> The British Trust for Ornithology (BTO) has been invited to join the Steering Group, in recognition of its outstanding contributions to biodiversity information. A meeting of the Steering Group was held on 25 October 2007. Agenda items included a review of the Partnership's Communications Plan and a presentation from Natural England on the new Access to Nature grants programme.
<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. (For a description of projects supported over this period, please see the section on "Additional Services" below).

<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"> • The first draft of a funding strategy has been prepared and discussed at the Co-ordinator's Group. The strategy assesses both "core" and "project" income and expenditure over the last five years, and presents a series of recommendations for securing income and minimising risk in the future. • Detailed discussions have been held with Natural England regarding a new MoA for £16,000 between NCC and NE. It is anticipated that this will be finalised within the next month.
<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 BARS as time permits. Most recently, the Woodland BAP Topic Group held a detailed discussion about progress towards the targets in the various woodland plans; this information will be entered onto the system in the near future.

<p>5. Integrating BAP into local policies</p> <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>Norfolk Local Area Agreement</u>: On behalf of the Partnership, I have advocated the inclusion of indicators related to County Wildlife Sites and ecological networks in the next LAA. Negotiations on the final contents of the LAA are still ongoing. • <u>Seminar on LDFs and Biodiversity</u>: In collaboration with the Suffolk Partnership, planning has begun for the fourth annual seminar on LDFs and biodiversity, to be held on 11 September. A particular effort will be made to attract development control officers to the seminar this year. • <u>Brecks Biodiversity Conference</u>: The final report of this conference has been prepared and circulated to all participants.
<p>6. Promoting BAP locally</p> <ul style="list-style-type: none"> • Develop and implement a communications plan to raise awareness in support of BAP, working with partners and any established public awareness working group. • Increase the engagement of local businesses and communities in the BAP process. 	<ul style="list-style-type: none"> • Ensure a web-presence for the partnership is maintained and take steps to promote biodiversity through implementation of the communications plan, including the publication and distribution of an annual newsletter. • Demonstrate an increase in business participation through funding and implementation. 	<ul style="list-style-type: none"> • The Partnership's communications strategy was adopted at the last meeting of the Steering Group on 25 October and is now under implementation. • As recommended in the communications strategy, a number of improvements have been made to the biodiversity website. These have included: the addition of a new publications section; refinements to the section dealing with County Wildlife Sites; and the complete revision of the education section (with assistance from David North at NWT).

<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"> • I attended a meeting of the Regional Biodiversity Forum in Cambridge on 24 January. Key topics discussed included the Regional Woodland Strategy and the new regional targets for habitats and species. • I represented the Partnership at two meetings of the “Freshwater Non-native Species Management Initiative”, organised by Natural England and Atkins. A preliminary list of species of concern in the county has been identified, and a broad outline of the strategic action required has been prepared. Discussions are now underway about the possibility of creating a co-ordinator’s position to drive forward the initiative. • On behalf of the CWS Steering Group, I submitted a response to the consultation on the new national indicator for biodiversity, dealing with local sites. Although very supportive of the new indicator, the Steering Group had some concerns about the methodology that had been proposed. • I remain in frequent communication with both the regional and national co-ordinators.
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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"> Last year's Annual Biodiversity Forum on health and biodiversity has led to a number of positive outcomes. Amongst other developments: North Norfolk has expressed an interest in developing a "Green Gym" project; the Chair of the Woodland BAP Topic Group was requested to advise on the possibility of creating a "healing woodland" adjacent to the Norfolk and Norwich Hospital; and the County Council is hoping to develop 150 "health and biodiversity" walks. Norfolk PCT's Public Health Manager has expressed an interest in forging closer links with the Biodiversity Partnership and in exploring the possibility for follow-up activities to the Forum. Planning has begun for the next Annual Biodiversity Forum, which is scheduled to be held on 2 October 2008, on the broad theme of "biodiversity and education". Dr Roger Key from Natural England has accepted an invitation to be one of the keynote speakers.

<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"> Five Topic Groups met during the quarter. All groups remain involved in Action Plan preparation, implementation and review (please see Annex 1: Summary of Topic Group Meetings). The stoneworts action plan has been completed by the Waterbodies BAP Topic Group and published on the biodiversity website; this is a “grouped” plan, encompassing five different species of stonewort. An action plan for the flixweed flea beetle has also been finalised; although this species is no longer on the national list of priority BAP species, it has been retained within the Norfolk Biodiversity Action Plan as a local BAP species. Several other plans are under preparation/ revision, including plans for bullfinch and hedgerows.
<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: an assessment of the conservation value of non-Broads lakes; the conservation of greater water parsnip; the organisation of “Wild about the Wensum”; and a study of the historical occurrence of deer parks and wood-pasture in Norfolk. 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.

Annex 1: Summary of Topic Group Meetings Held

Topic Group	Meeting Date	Principal Issues Discussed
Coastal BAP Topic Group	No meeting held this period.	Next meeting scheduled for 18 February.
Communities and Nature BAP Topic Group	14 January	Agenda items included: the 2008 Community Biodiversity Awards; an update on Breathing Places; and two applications to the Biodiversity Project Fund (Wild about the Wensum and a proposal for a community wildlife conference).
Ecological Networks Topic Group	No meeting held this period.	
Farmland BAP Topic Group	8 January	Agenda items included: updates on the arable plants project and the hedgerows GIS; amendments to the corn bunting action plan; review of the draft hedgerow and bullfinch plans; and arrangements for the next Farming and Biodiversity Practitioners' Forum.
Farming and Biodiversity Forum	No meeting held this period.	The next Forum is scheduled for 29 April, and will focus on the English Woodland Grant Scheme.
Heathland BAP Topic Group	30 January	Agenda items included: follow-up to the Brecks biodiversity conference; assessment of the need for action plans for scaly-breck lichen and the solitary wasp, <i>Cerceris quinquefasciata</i> ; the need for heathland invertebrate surveys; and arrangements for the next Heaths Forum.
Heathland Practitioners' Forum	No meeting held this period.	Arrangements are being made to visit the RSPB's heathland re-creation site at Minsmere in March.

Waterbodies BAP Topic Group	22 January	Agenda items included: presentation on the “over-looked lakes of Norfolk”; project proposals (conservation value of non-Broads lakes; surveys of invasive alien mollusc species); and review of the first draft of the revised action plan for floating water plantain.
Wetlands BAP Topic Group	No meeting held this period.	Next meeting scheduled for 27 February.
Woodlands BAP Topic Group	21 January	Agenda items included: a review of progress towards woodland targets; an update on the fuelwood project; and the arrangements for National Moth Night (which will focus on recording in orchards)

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

	Title of Proposal	Topic Group/ Lead Organisation	Amount Requested	Decision
1	Wild about the Wensum	Communities and Nature BAP Topic Group/ Pensthorpe Conservation Trust (with the Fakenham Learning Community)	£5,000	A contribution of £500 was approved. The panel requested that efforts be made to promote the use of sustainable transport as well as the involvement of disadvantaged communities.
2	Community Wildlife Conference	Communities and Nature BAP Topic Group/ BTCV	£6,500	Deferred. The review panel requested a breakdown of costs and recommended that efforts be made to reduce the budget.
3	Conservation Value of Non-Broad Lakes	Waterbodies BAP Topic Group/ University College London	£1,740	Approved. Additional contributions to come from the Environment Agency (£1,000) and the Broads Authority (£1,000).
4	Enhancing Greater Water Parsnip in the Fens	Waterbodies BAP Topic Group/ Plantlife	£1,021.12	Approved. This represents 50% of the Third Party Contribution required by Sita.
5	Deer Parks, Wood-Pasture and Biodiversity	Woodland BAP Topic Group/ University of East Anglia	£3,000	Approved. Additional contributions to be made by NCC (£1,000) as well as UEA (£1,000 in-kind).

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%)	A first draft of the sightings card has been prepared and is under discussion with the Essex Partnership.
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 received.
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%)	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
Communities and Nature	Wild about the Wensum	- To raise environmental awareness and promote partnership working	BAP Awareness Strategy	County-wide	Pauline Chamberlain	17 May 08	£5,000	£500 (10%)	
Ecological Networks	Making Space for Wildlife: Creating an Ecological Network for Norfolk	- 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%)	Successfully completed. A CD with all the reports, maps and GIS layers produced by the project has been sent to every local planning authority and to a number of other interested parties.
Farmland	Databases of lowland calcareous grasslands and lowland meadows	- 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	- 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	- To develop a hedgerow GIS layer and leaflet	Hedgerow HAP	County-wide	Tom Williamson, UEA	Jan-Oct 2008	\$5,000	£3,500 (70%)	Underway.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
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.
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; report received.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Waterbodies	Water Vole Survey	- 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	- 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.
Waterbodies	Norfolk Broads Mink Management Project	- 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	- 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.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
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.
Waterbodies	River Glaven Signal Crayfish Survey 2007	<ul style="list-style-type: none"> — 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	<ul style="list-style-type: none"> — 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	<ul style="list-style-type: none"> — 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 received.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Waterbodies	Norfolk <i>Tolypella intricata</i> population assessment and recovery plan: Phase 1 of 3	<ul style="list-style-type: none"> — 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%)	Planning meeting held with Stephen Lambert and BA on 6 February; fieldwork to commence shortly.
Waterbodies	Enhancing Greater Water Parsnip in the Fens	<ul style="list-style-type: none"> — To increase by 15% the number of 10km squares in the Fens occupied by greater water parsnip 	Greater water parsnip SAP	Norfolk, Cambs and Lincs	Tim Pankhurst, Plantlife	April 08 – March 10	£28,891	£1,021 (3.5%)	Final arrangements being made; project to start in spring 08.
Waterbodies	Conservation Value of Non-Broads Lakes	<ul style="list-style-type: none"> — Compile existing ecological information about non-Broads lakes — Identify sites for which no information exists and that would be worthy of survey 	Mesotrophic and eutrophic lakes HAPs	County-wide	Car Sayer, UCL	March – June 08	£3,740	£1,740 (46.5%)	Final arrangements being made.
Wetlands	Sustainable Solutions to the Ochre and Salinity Problems in the Brograve Catchment	<ul style="list-style-type: none"> - 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. Some 50-60 sites have been visited. An Access database has been developed.
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 sties. 	Fen HAP	County-wide (outside the Broads)	Andrina Walmsley	April 2008 to Dec 2010	£11,734	£3,156 (27%)	Preliminary contact made with 14 landowners. Full project to commence in April 08.

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.
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"> Expand the area of wet woodland in positive management by 40 ha by mid-2007; Re-create 10 ha of wet woodland by 2009. 	Wet Woodland HAP	Wensum and Nar River Valleys	Gerry Barnes, NCC	April 06 to March 09	£20,000	£3,600 (18%)	Underway. Field surveys by a botanist have been commissioned.
Woodlands	Deer Parks, Wood Pasture and Biodiversity	<ul style="list-style-type: none"> To ensure that information about the historic location of Norfolk's deer parks is available to help guide habitat management and re-creation schemes, etc. 	Wood-Pasture HAP	County-wide	Rob Liddiard, UEA	Jan – Sept 2008	£5,000	£3,000 (60%)	Underway.

Annex 4: Calendar of Forthcoming Biodiversity Events

BAP Steering Group

- 5 June
- 30 October (to include annual reports from Topic Group Chairs)

BAP Co-ordinators' Group

- 19 May

Topic Group Meetings

- Coastal Topic Group: 18 February
- Communities and Nature Topic Group: 21 April
- Ecological Networks Topic Group: Date to be determined.
- Farmland Topic Group: 29 April
- Heathland Topic Group: 3 June
- Waterbodies Topic Group: 7 May
- Wetlands Topic Group: 27 February
- Woodlands Topic Group: Date to be determined.

Biodiversity Forums

- Farming and Biodiversity Practitioners' Forum: 29 April
- Heaths Forum: Date in March to be determined
- Annual Biodiversity Forum: 2 October

Regional and National Meetings

- East of England Biodiversity Forum: 24 April; 24 July; 16 October
- National LBAP Conference: 8-10 July

Other Biodiversity Events

- Garden Design, 25-26 April 2008, The Forum, Norwich
- Wild about the Wensum, 17 May, Pensthorpe
- National Moth Night, 7 June
- Wild about Norfolk: 6-7 September 2008, Nottcutts