

# **NORFOLK BIODIVERSITY PARTNERSHIP**

**Co-ordinator's Progress Report for the Period:  
8 February – 5 June 2008**



## NORFOLK BIODIVERSITY PARTNERSHIP

### Co-ordinator's Progress Report: 8 February – 5 June 2008

#### Introduction

This report presents a brief summary of the activities of the Biodiversity Co-ordinator over the four-month period from 8 February to 5 June 2008. As with the previous progress 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

- Membership: The British Trust for Ornithology (BTO) has accepted the invitation to join the Partnership, bringing total membership to 19 organisations. BTO brings a wealth of scientific expertise and knowledge to the Partnership. It is highly regarded for its investigations of wild bird ecology, populations and movements, and is particularly well known for its volunteer bird surveys.
- Local Area Agreement: In a particularly important and positive development, the final version of the Norfolk Local Area Agreement has incorporated two indicators dealing with biodiversity. The first indicator, NI 197, is a national indicator which assesses the proportion of local sites (County Wildlife Sites and Regionally Important Geological and Geomorphological Sites) in “positive conservation management”. This indicator has been included in the top 35 indicators to be addressed by the LAA, and should help to raise the profile of CWS and RIGS significantly. I worked closely with Sam Neil (NCC’s Environmental Information Support Officer) and members of the CWS Steering Group to develop a provisional baseline for the indicator, as well as targets for the next three years.

The second indicator deals with ecological networks, and has been included as one of the LAA’s local indicators. As this is a new indicator and there is no national guidance available, Year 1 of the LAA will be used to develop the methodology, baseline and targets. The inclusion of the indicator should help to raise awareness of the recommendations in the Norfolk ecological network report and promote their implementation.

- Non-Native Species: Considerable progress has been made in developing and seeking support for the Norfolk Non-Native Species Initiative. Funding has now been secured from a broad range of partners, including the Broads Authority, the Water Management Alliance, the Environment Agency, Norfolk County Council and Natural England (to be confirmed). The process of recruiting a Non-Native Species Co-ordinator through StudentForce is currently underway, and it is planned that the successful candidate will begin in September 2008.
- Biodiversity Project Fund: Several new projects have received grants from the Biodiversity Project Fund. These include projects to: monitor the biodiversity of the Thurne catchment ditch system; carry out a survey of the ground beetle *Ophonus laticollis* in the Brecks; and map BAP (and other) habitats on County Wildlife Sites. Twelve thousand copies of the cetacean identification and recording leaflet have been printed, in a collaborative project involving the Norfolk, Suffolk and Essex Biodiversity Partnerships. Distribution of the cards is now underway, with Eastern Sea Fisheries taking the lead in Norfolk.

Partnership Funding: Natural England has confirmed its commitment to provide support to LBAP partnerships across the country for the next three financial years; the MoA between NCC and Natural England remains under discussion, but it is hoped that the agreement will be finalised in the near future. In other welcome developments: a grant of £2,000 was received from the Broads Authority and the Partnership's 2008/09 funding application to Broadland District Council (£5,000) was successful. Contributions of £10,000 and £1,500 to the Biodiversity Project Fund were received from Norfolk County Council and the Environment Agency, respectively. All these contributions are very gratefully acknowledged.

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

29 May 2008

## NORFOLK BIODIVERSITY PARTNERSHIP

### Summary of Progress

CORE SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<p><b>1. Establishing and maintaining a broad partnership</b></p> <ul style="list-style-type: none"> <li>As far as possible, ensure that all relevant sectors are engaged in the local biodiversity partnership.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> <li>Partnership meets regularly (at least three times per year) and fosters ownership of outcomes by all stakeholders.</li> </ul>	<ul style="list-style-type: none"> <li>The British Trust for Ornithology (BTO) has accepted the invitation to join the Steering Group, bringing the total membership of the Biodiversity Partnership to 19 organisations.</li> <li>A meeting of the Steering Group was held on 7 February 2008. Agenda items included: a presentation on the "Sense of Place" briefcase (a web-based environmental planning tool for parishes); a review of the Co-ordinator's draft 2008/09 workplan; and endorsement of the grouped stoneworts action plan.</li> </ul>
<p><b>2. Delivering BAP locally</b></p> <ul style="list-style-type: none"> <li>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.</li> <li>Work with the partnership to agree a range of projects to deliver the local biodiversity objectives.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> <li>Implementation of these projects and demonstration of progress towards local objectives.</li> </ul>	<ul style="list-style-type: none"> <li>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).</li> </ul>

CORE SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<p><b>3. Fund-raising for BAP delivery</b></p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Work with the regional biodiversity partnership in the development of funding for collaborative projects.</li> </ul>	<ul style="list-style-type: none"> <li>• Implementation of funding strategy to lever funds for biodiversity from external bodies and to secure long-term funding for biodiversity in the area.</li> </ul>	<ul style="list-style-type: none"> <li>• The second draft of a funding strategy has been prepared, incorporating the end-of-year financial figures; the draft will be discussed at the next meeting of the Co-ordinator's Group.</li> <li>• The NCC's Legal Section has raised a number of comments regarding the MoA with Natural England; a response from NE is awaited, but it is hoped that the agreement can be finalised in the near future. In a particularly positive development, Natural England has confirmed its intention to provide funding support to LBAPs across the county for the next three financial years.</li> <li>• The Partnership's funding application to Broadland District Council (£5,000) was successful. For the first time, a funding contribution (£2,000) has also been received from the Broads Authority.</li> </ul>
<p><b>4. Reporting and monitoring progress</b></p> <ul style="list-style-type: none"> <li>• Use the Biodiversity Action Reporting System (BARS) to report on the implementation and delivery of actions initiated locally.</li> </ul>	<ul style="list-style-type: none"> <li>• Progress is reported at least annually, and the LBAP contribution is fully reported in triennial national BAP reporting rounds.</li> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• The Wetlands BAP Topic Group held a detailed discussion about progress in implementing the Coastal and Floodplain Grazing Marsh HAP, and this information will be entered shortly. An officer from Eastern Sea Fisheries was provided with an introduction to BARS, and up-to-date information about the status of the Harbour Porpoise SAP was entered onto the system.</li> <li>• Natural England has been requested to provide a BARS training session for Norfolk.</li> </ul>

CORE SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<p><b>5. Integrating BAP into local policies</b></p> <ul style="list-style-type: none"> <li>Proactively support local authorities, so that they are better able to develop innovative ways of delivering biodiversity locally.</li> <li>Actively promote the inclusion of biodiversity objectives into Community Strategies, Local Development Frameworks and other local plans.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Regular liaison established with the local strategic partnership and planning authority.</li> <li>Increased profile for biodiversity within existing and new local plans (demonstrate this with examples).</li> <li>New or revised Community Strategies and LDFs include biodiversity objectives consistent with LBAP targets.</li> </ul>	<ul style="list-style-type: none"> <li><u>Norfolk Local Area Agreement</u>: The LAA has now been finalised. In a particularly important and positive development, the Agreement includes National Indicator 197 on County Wildlife Sites, as well as a local indicator dealing with ecological networks.</li> <li><u>Seminar on Planning and Biodiversity</u>: In collaboration with the Suffolk Partnership, planning has begun for the fourth annual seminar on planning and biodiversity, to be held on 11 September. A particular effort is being made to attract development control officers to the seminar this year.</li> <li><u>1 App</u>: The standard planning application form (1 App) has now been introduced across the county. Comments were provided to several district councils, promoting the adoption of the ALGE biodiversity validation checklist.</li> <li><u>Brecks</u>: The Brecks LEADER proposal has been successful. It is anticipated that the Suffolk and Norfolk Biodiversity Partnerships will take turns being represented on the Local Action Group.</li> </ul>
<p><b>6. Promoting BAP locally</b></p> <ul style="list-style-type: none"> <li>Develop and implement a communications plan to raise awareness in support of BAP, working with partners and any established public awareness working group.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Minor updates and amendments have continued to be made to the website, but no major modifications were carried out over the reporting period.</li> </ul>

CORE SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<ul style="list-style-type: none"> <li>• Increase the engagement of local businesses and communities in the BAP process.</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate an increase in business participation through funding and implementation.</li> </ul>	<ul style="list-style-type: none"> <li>• An article about the cetaceans sightings leaflet was prepared for the Norfolk Coast Guardian as well as the NNS Mammal Report. The leaflet can also be downloaded from the biodiversity website.</li> <li>• The annual newsletter is under preparation and will be printed in June.</li> <li>• A new set of display banners is being prepared to replace the existing display board, which is now out-of-date and in poor condition. A draft design has been developed with the graphics team and is now being finalised.</li> <li>• The logo competition being run through the Norwich School of Art and Design has been extended until the end of this year, in order to allow more time for entries.</li> </ul>
<p><b>7. Representation</b></p> <ul style="list-style-type: none"> <li>• Ensure the LBAP partnership is represented on the regional biodiversity forum and other relevant regional and national meetings.</li> <li>• Respond to consultation from partners at regional and national levels of the BAP process.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure the LBAP partnership is represented at appropriate regional and national meetings and fora (e.g. review groups and training workshops). Demonstrate with examples.</li> </ul>	<ul style="list-style-type: none"> <li>• I attended a meeting of the Regional Biodiversity Forum in Bedfordshire on 24 April. Key topics discussed included NI 197 and the Regional Biodiversity Implementation Plan.</li> <li>• Gerry Barnes and I represented Norfolk at the national wood-pasture workshop on 4 March.</li> <li>• I represented the LBAP partnerships at a meeting of the Project Review Panel for the SITA Enriching Nature programme on 8 May.</li> </ul>

CORE SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
	<ul style="list-style-type: none"> <li>• Responses to regional and national consultations relating to biodiversity (demonstrate with examples).</li> <li>• 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).</li> </ul>	<ul style="list-style-type: none"> <li>• Comments were provided on two chapters of the draft Regional Biodiversity Implementation Plan, dealing with the changing coastline and biodiversity data, respectively.</li> <li>• I remain in frequent (weekly) communication with the regional co-ordinator, and am also regularly in touch with the national co-ordinator.</li> </ul>

ADDITIONAL SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<p><b>Establishing and maintaining a broad partnership</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Planning is well underway for the next Annual Biodiversity Forum, which is scheduled to be held on 2 October 2008, on the broad theme of “biodiversity and outdoor education”. Dr Roger Key from Natural England has accepted an invitation to be one of the keynote speakers, as has Kathy Wormald, the Chief Executive of Froglife and Sue Falch-Lovesey, the NCC’s Head of Environmental and Outdoor Learning.</li> </ul>
<p><b>Delivering BAP locally</b></p> <ul style="list-style-type: none"> <li>Facilitate and support the operation of multi-stakeholder, thematic/habitat-based Topic Groups.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Five Topic Groups met during the period. In addition, a very successful meeting of the Heathland Practitioners’ Forum was held at the RSPB’s reserve at Minsmere, to look at heathland creation on arable land and former plantation sites. (Please see Annex 1).</li> <li>A considerable number of action plans are under preparation/ revision, including plans for: barbastelle bat; bullfinch; reed bunting; hedgerows; and allotments.</li> <li>The assessment of BAP species in the county (based on the new and expanded list of UK Priority Species) is nearing completion by the NBRC. This will provide an important framework for determining future species’ priorities in the county (including the need for additional action plans). Valuable input has been received from the recording community.</li> </ul>

ADDITIONAL SERVICES	SUCCESS MEASURES AND OUTPUTS	PROGRESS
<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The existing Biodiversity Project Fund remains operational; projects which meet the Fund's criteria are financially supported.</li> </ul>	<ul style="list-style-type: none"> <li>Grants of £10,000 and £1,500 were received from Norfolk County Council and EA respectively, as contributions towards the operation of the Biodiversity Project Fund.</li> <li>Four new project proposals were approved, dealing with: monitoring the biodiversity of the Thurne catchment ditch system; a survey of the ground beetle <i>Ophonus laticollis</i> in the Brecks; County Wildlife Site habitat mapping; and the organisation of a Community Wildlife Conference. Please see Annex 2 for a summary of proposals considered this quarter.</li> <li>In collaboration with the Essex and Suffolk Partnerships, 12,000 copies of the cetacean identification and recording leaflet have now been printed. Distribution is underway, with Eastern Sea Fisheries taking the lead in Norfolk.</li> <li>A complete list of the activities supported by the Biodiversity Project Fund from its inception can be found in Annex 3.</li> </ul>

### Annex 1: Summary of Topic Group Meetings Held

Topic Group	Meeting Date	Principal Issues Discussed
Coastal BAP Topic Group	4 April 2008	Agenda items included: a distribution strategy for the cetacean sightings leaflet; protection and interpretation measures for soft cliffs; and updates on members' coastal and marine activities.
Communities and Nature BAP Topic Group	21 April	Agenda items included: review of the first draft of the Sandy Stiltball Action Plan; the Community Biodiversity Awards; and the Community Wildlife Conference.
Ecological Networks Topic Group	21 April	This meeting was dedicated primarily to a review of the progress being made in implementing the ecological networks report.
Farmland BAP Topic Group	No meeting held this period	Next meeting scheduled for 11 July.
Farming and Biodiversity Forum	No meeting held this period.	Next meeting scheduled for 9 July at Burlingham, to look at woodland creation and management, ecological networks, and woodland grants.
Heathland BAP Topic Group	3 June	Agenda items included: arable reversion in the Brecks; an overview of recent UEA biodiversity research in the Brecks; and an update on the <i>O. laticollis</i> surveys.
Heathland Practitioners' Forum	14 March	A very successful visit to the RSPB's reserve at Minsmere was arranged, to look in particular at heathland creation on arable land and former conifer plantation sites.

Waterbodies BAP Topic Group	7 May	Agenda items included: a presentation on naturally-fluctuating, aquifer-fed waterbodies; invasive alien species; and the proposed Pond HAP.
Wetlands BAP Topic Group	27 February and 21 May	Agenda items included: a review of the implementation of the Coastal and Floodplain Grazing Marsh HAP, and updates on the Broads LBAP, the Non-Native Species Initiative, and research in the Upper Thurne.
Woodlands BAP Topic Group	28 April	This meeting was dedicated primarily to a discussion of the Norfolk Wet Woodland Project.

## 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	Monitoring Biodiversity of the Thurne Catchment Ditch System	Wetlands BAP Topic Group/ Buglife	£3,500	Approved. Grant of £3,000 provided.
2	Research and Survey on the Ground Beetle <i>Ophonus laticollis</i>	Heathland BAP Topic Group/ Mark Telfer	£1,916	Approved.
3	County Wildlife Site Habitat Mapping	Ecological Networks/ NWT	£2,000	Approved.
4	Community Wildlife Conference	Communities and Nature BAP Topic Group/ BTCV	£5,253	This proposal had previously been deferred. Following the revision of the budget, the project was re-submitted for consideration. A grant of £2,000 was approved from the Biodiversity Project Fund. Additional funding has been provided by NCC (£1,000), Norwich City Council (£500) and South Norfolk Council (£500).

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

<b>Topic Group</b>	<b>Project Title</b>	<b>Project Objectives</b>	<b>Linkage to SAP/HAP</b>	<b>Location</b>	<b>Project Manager</b>	<b>Time-scale</b>	<b>Total Cost</b>	<b>Biod. Project Fund</b>	<b>Status</b>
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	Scott Perkin	Card to be launched in summer 2008	£4,270	£1,770 (41%)	12,000 copies of the card have now been printed, and distribution has started in Norfolk, Suffolk and Essex.
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 start-up was postponed to 2008.
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%)	Event successfully held on 17 May; report awaited.
Communities and Nature	Community Wildlife Conference	- To assist the community biodiversity sector to become better networked and resourced and more engaged with the BAP process.	An umbrella project with links to many action plans.	County-wide	Marya Parker, BTCV	Date of conference to be determined	£5,253	£2,000 (38%)	Planning for the conference is underway.
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.
Ecological Networks	County Wildlife Site Habitat Mapping	- To measure the extent of BAP habitats on County Wildlife Sites; - To input this information into the CWS database; - To generate digital distribution maps for each habitat.	As above.	County-wide	Andrina Walmsley, NWT	March – May 2008	£2,000	£2,000 (100%)	Project completed; report awaited.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
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 Royal 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.
Farmland	Habitat Management for the Rare Arable Weeds <i>Silene gallica</i> and <i>Galeopsis angustifolia</i>	- 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  In-kind contributions of £20,600 expected by 2015.	Project initiated following receipt of consent from RSPB, NE and NCC. There has been a moderate amount of germination at the test sites.
Heathland	Heathland CWS Assessment	- To draw together existing information on heathland CWS; - To establish a programme of condition monitoring; - To identify priority areas for management advice and grant aid.	Heathland HAP	County-wide	Helen Baczkowska, NWT	Oct 2004 - Oct 2005	£1,000	£1,000 (100%)	Completed; report awaited.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Heathland	Translocation of Silver-studded Blue	- 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	- 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.
Heathland	Research and Survey on the Ground Beetle <i>Ophonus laticollis</i>	- To assess the size and extent of the population at Gallow's Hill; - To provide recommendations on the management of field margins and hedgerows, as well as a monitoring protocol.	<i>O. laticollis</i> SAP	Breckland	Mark Telfer	May – June 2008 (fieldwork). Report by Jan 2009.	£1,916	£1,916	The first of three field visits has been carried out; eight beetles were recorded.
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%)	Completed; records sent to NBRC. Report awaited.

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"> <li>- To establish strategic control of mink in the Broads;</li> <li>- To establish a self-sustaining mink control network;</li> <li>- To monitor mink and water vole populations;</li> <li>- To improve habitat management.</li> </ul>	Water vole SAP	Broads National Park	Rick Southwood	April 06 - March 08	£43,100	£5,000 (12%)	This project is ongoing but the Partnership's funding support has now ended. A report is awaited.
Waterbodies	Mid-Norfolk Mink Management Project: Phase II	<ul style="list-style-type: none"> <li>- To establish strategic control of mink in selected parts of the Wensum River Valley;</li> <li>- To establish a self-sustaining mink control network.</li> </ul>	Water vole SAP	Wensum	Heidi Thompson, NCC	1 year	£15,000	£3,500 (23%)	As above.
Waterbodies	River Glaven White-clawed Crayfish Survey	<ul style="list-style-type: none"> <li>— To clarify the distribution and status of WCC on the River Glaven and assess its suitability as a refuge ("Ark") site;</li> <li>— To provide training to the River Glaven Conservation Group in crayfish surveying techniques.</li> </ul>	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"> <li>— To clarify the distribution and status of signal crayfish within the River Glaven's Water Lane tributary stream</li> </ul>	White-clawed crayfish SAP	North Norfolk	Steve Henson, NWT	August 2007	£3,780	£2,500 (66%)	Survey completed; report awaited.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Waterbodies	Lound Pillwort and Marginal Plant Survey	<ul style="list-style-type: none"> <li>To establish the distribution and abundance of pillwort on the Norfolk and Suffolk sides of Lound ponds</li> </ul>	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"> <li>To survey currently known Norfolk sites at Hickling and Catfield, as well as historical sites at STANTA.</li> </ul>	Diving beetle SAP	North Norfolk, Breckland	Geoff Nobes	June-Sept 2007	£2,000	£300 (15%)	Surveys completed; report received.
Waterbodies	Norfolk <i>Tolypella intricata</i> population Assessment and Recovery Plan: Phase 1 of 3	<ul style="list-style-type: none"> <li>To survey and record <i>T. intricata</i> at three sites in Norfolk: Sculthorpe Fen, Cantley and Gillingham Marshes</li> <li>To take water quality samples to determine winter water quality conditions of the sites.</li> </ul>	Tassel stonewort SAP	Sculthorpe, Cantley and Gillingham	Stephen Lambert, UEA	Feb-July 2008	£3,050	£550 (18%)	Fieldwork completed and report under preparation. The results from Sculthorpe were particularly encouraging and revealed substantial potential for habitat expansion.
Waterbodies	Enhancing Greater Water Parsnip in the Fens	<ul style="list-style-type: none"> <li>To increase by 15% the number of 10km squares in the Fens occupied by greater water parsnip</li> </ul>	Greater water parsnip SAP	Norfolk, Cambs and Lincs	Tim Pankhurst, Plantlife	April 08 – March 10	£28,891	£1,021 (3.5%)	Project underway.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Waterbodies	Conservation Value of Non-Broads Lakes	<ul style="list-style-type: none"> <li>— Compile existing ecological information about non-Broads lakes</li> <li>— Identify sites for which no information exists and that would be worthy of survey.</li> </ul>	Mesotrophic and eutrophic lakes HAPs	County-wide	Car Sayer, UCL	March – June 08	£3,740	£1,740 (46.5%)	Project underway.
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.
Wetlands	Norfolk Fens Assessment	<ul style="list-style-type: none"> <li>— To assess the management status and condition of all non-SSI fen sites outside the Broads area;</li> <li>— To identify sites in need of restoration;</li> <li>— To prioritise the need for restoration and management advice;</li> <li>— To produce site management statements and conservation plans for priority sites.</li> </ul>	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.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Wetlands	Pingo Mapping and Condition Assessment	<ul style="list-style-type: none"> <li>— Identify and map all pingo clusters in Norfolk;</li> <li>— Assess condition and identify sites at risk.</li> </ul>	Fen HAP	Fens and Breckland valleys	Andrina Walmsley, NWT	Jan-Dec 2007	£5,520	£3,020 (55%)	<p>The pingo map and database are nearly complete, with 200 sites mapped so far.</p> <p>The general distribution of these sites is wider than previously thought, with sites potentially as far north as Coxford, as far east as Horsford and as far west as Shouldham.</p>
Wetlands	Fen Restoration Project	<ul style="list-style-type: none"> <li>— Work with landowners to develop management programmes and negotiate funding for the restoration of 20 priority sties.</li> </ul>	Fen HAP	County-wide (outside the Broads)	Andrina Walmsley, NWT	April 2008 to Dec 2010	£11,734	£3,156 (27%)	Underway. All restoration sites have been identified. Plantlife has confirmed funding (£17.5k), which will pay for fencing three CWS fen sites.

Topic Group	Project Title	Project Objectives	Linkage to SAP/HAP	Location	Project Manager	Time-scale	Total Cost	Biod. Project Fund	Status
Wetlands	Monitoring Biodiversity in the Thurne Catchment Ditch System	<ul style="list-style-type: none"> <li>— To collate and digitise raw data on flora and fauna from a series of surveys dating back to 1973;</li> <li>— To carry out a fourth survey of the same ditches and analyse changes in species occurrence, distribution and abundance.</li> </ul>	Coastal and Floodplain Grazing Marsh HAP	Broadland	Vicky Kindemba, Buglife	July 2008 to December 2009	£12,350	£3,500 (28%)	Project to start in summer 2008.
Woodlands	Phase 1 Roadside Orchard Survey	<ul style="list-style-type: none"> <li>— To carry out a survey of Norfolk's traditional orchards to establish their extent, status and trends.</li> </ul>	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"> <li>— To carry out surveys of invertebrates, lichens, bryophytes, ground flora and fruit varieties at five traditional orchards, representing different geographical areas and management regimes.</li> </ul>	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"> <li>— To ensure that a wide variety of traditional apple saplings is available for distribution (880 trees to be grown)</li> </ul>	Traditional orchards HAP	County-wide	Gerry Barnes, NCC (with EEAOP)	Jan 06 to March 08	£3,036	£1,400 (46%)	Completed; report received.

<b>Topic Group</b>	<b>Project Title</b>	<b>Project Objectives</b>	<b>Linkage to SAP/HAP</b>	<b>Location</b>	<b>Project Manager</b>	<b>Time-scale</b>	<b>Total Cost</b>	<b>Biod. Project Fund</b>	<b>Status</b>
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"> <li>— Expand the area of wet woodland in positive management by 40 ha by mid-2007;</li> <li>— Re-create 10 ha of wet woodland by 2009.</li> </ul>	Wet Woodland HAP	Wensum and Nar River Valleys	Gerry Barnes, NCC	April 06 to March 09	£20,000	£3,600 (18%)	Underway. Mary Russell has been commissioned to advise on the potential for wet woodland enhancement and creation.
Woodlands	Deer Parks, Wood Pasture and Biodiversity	<ul style="list-style-type: none"> <li>— 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.</li> </ul>	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**

- 14 October

### **Topic Group Meetings**

- Coastal Topic Group: 23 June
- Communities and Nature Topic Group: 21 July
- Ecological Networks Topic Group: 29 April 2009
- Farmland Topic Group: 11 July
- Heathland Topic Group: To be determined.
- Waterbodies Topic Group: 23 September
- Wetlands Topic Group: 9 October
- Woodlands Topic Group: Date to be determined.

### **Biodiversity Forums**

- Farming and Biodiversity Practitioners' Forum: 9 July
- Heaths Forum: Date to be determined
- Annual Biodiversity Forum: 2 October

### **Regional and National Meetings**

- East of England Biodiversity Forum: 24 July; 16 October
- National LBAP Conference: 15-17 July, Cambridge

### **Other Biodiversity Events**

- National Moth Night, 7 June
- Health and Biodiversity Seminar: 2 July, Abbey Conference Centre, Norwich
- Wild about Norfolk: 6-7 September 2008, Nottcutts
- LDFs and Biodiversity: 11 September, South Norfolk Council