

# **NORFOLK BIODIVERSITY PARTNERSHIP**

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



**NORFOLK BIODIVERSITY PARTNERSHIP**  
**Quarterly Progress Report: 26 April – 25 July 2007**

## **Introduction**

This report presents a brief summary of the activities of the Biodiversity Partnership over the three-month period from 26 April to 25 July 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**

- District-level econet reports and maps have now been prepared for all districts in the county. The maps are now being digitised by Nicola Atton at NCC, and will soon be available as GIS layers. North Norfolk District Council has included the econet map in its LDF Preferred Options paper. Many of the recommendations made by the Ecological Networks Topic Group have also been incorporated in the draft Green Infrastructure Strategy for Norwich. In another promising development, ecological networks have been identified as a priority area for development in the refresh of the Norfolk Local Area Agreement.
- In a particularly exciting development, Norfolk County Council has made another generous contribution to the Biodiversity Project Fund, of £20,000. Several new project proposals were approved during the quarter, dealing with fen restoration, white-clawed crayfish and the one-grooved diving beetle.
- Many members of the Biodiversity Partnership (particularly from the Communities and Nature BAP Topic Group) took part in the Springwatch Festival in Chapelfield Gardens on 16 June. Despite inclement weather, the event succeeded in attracting some 6,000 people. Norwich is one of only 15 cities selected by the BBC from across the country to be a “Breathing Places City”.
- Three new Habitat Action Plans (lowland calcareous grasslands, lowland meadows and pastures, and coastal sand dunes) were published and posted on the biodiversity website. Two new Species Action Plans (harbour porpoise and shepherd’s needle) were also finalised.

- The “Community Biodiversity Awards” were presented during the Springwatch Festival, at a special ceremony hosted by the BBC and the Lord Mayor. Awards were presented in four categories:
  - **Site Award:** South Norfolk Council’s Countryside Team and volunteers were given the site award, for working in partnership to create a new wetland area at Frenze Beck. Ian and Rosemary McIntosh received an honourable mention, in recognition of the improvements that have been made to Sandwade Mere County Wildlife Site;
  - **Education Award:** Sutton First School won the education award for creating an outstanding wildlife garden within the school grounds. Old Buckenham Primary School received an honourable mention for the development of its wildlife area and pond.
  - **Group Award:** Compo received the group award for its innovative and successful community recycling and composting scheme, which provides training and work experience to young adults with learning difficulties. The River Glaven Conservation Group received an honourable mention for its river restoration work.
  - **Individual Award:** Steve Cook, who has been running Norwich Environmental Weekenders for over 13 years, received the individual award. Dick Hamond received an honourable mention for his role in improving our understanding of Norfolk’s marine biodiversity.
- A meeting of the “Farming and Biodiversity Practitioners’ Forum” was held on 14 May, bringing together landowners, agronomists, statutory agencies, FWAG, RSPB, NWT and the County Council. A presentation on the latest developments with HLS was given by Alex Nichols from Natural England, and generated a great deal of constructive discussion and debate. This was followed by a farm walk to look at measures that have been introduced to benefit biodiversity at Hoe Hall.
- In collaboration with the Suffolk Biodiversity Partnership, a technical workshop on the biodiversity of the Brecks was held in Thetford on 17 July. The workshop assessed the extent to which English Nature’s “Brecks Vision” has been achieved, and looked at progress in four main habitats: woodlands; heathlands; wetlands; and arable habitats. The lessons learned from the experiences to date were reviewed, and the priorities for the future identified.
- In collaboration with Buglife, a workshop on the biodiversity of soft cliffs was held at Southrepps on 19 July. The workshop discussed the findings of recent biodiversity surveys of the Norfolk coast, and also saw the launch of the new Buglife report, “Managing Coastal Soft Cliffs for Invertebrates”. The workshop concluded with a site visit to Overstrand cliffs.

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><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>A constructive meeting was held on 25 June involving Gerry Barnes (in his capacity as Chair of the Partnership), Pat Lorber (NBRC) and Stephen Livermore (representing the Norfolk and Norwich Naturalists' Society). The meeting explored the ways in which the NNNS and the Partnership might work together more closely, and identified a number of practical steps for enhancing collaboration.</li> <li>Although progress with the MoU has slowed (no new signatures were received this quarter), a number of partners have indicated their intention to sign, once the MoU has been taken through the appropriate channels.</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 (please see the section on “Additional Services” below). The Fund has received a significant boost with the receipt of £20,000 from Norfolk County Council.</li> </ul>
<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 Partnership’s funding application to Broadland District Council was successful in securing a grant of £4,000 for the financial year 2007/8.</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>• Five new action plans have been placed onto BARS. Information about plan implementation continues to be entered onto the system as time permits. Most recently, the Wetland Topic Group carried out a detailed assessment of the implementation status of the Reedbed Action Plan.</li> <li>• One-to-one training sessions on BARS were provided to officers from the Water Management Alliance and Norwich City Council.</li> </ul>

<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>Green Infrastructure Strategies</u>: I represented the Partnership at three workshops dealing with the Thetford and Norwich Green Infrastructure Strategies (held on 15 May, 24 May and 13 July). The draft strategy for Norwich has now been released and incorporates many of the recommendations put forward by the Ecological Networks Topic Group.</li> <li>• <u>Minerals and Waste LDF</u>: The issues and options paper for the minerals and waste LDF has now been published. The paper explicitly recognises the importance of biodiversity and puts forward options dealing with both designated and non-designated sites.</li> <li>• <u>Local Area Agreement</u>: Ecological networks have now been identified as a priority area within the LAA refresh. Detailed comments were provided on the econet component of the evidence portfolio that is being prepared by NCC.</li> <li>• <u>South Norfolk Community Strategy</u>: On 30 May, 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. In a particularly positive development, funding for County Wildlife Site surveys has been confirmed by the South Norfolk Alliance; the surveys are being undertaken by NWT and are now underway.</li> </ul>
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<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> <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>• <u>Regional Biodiversity Forum</u>: I participated in a meeting of the Regional Biodiversity Forum held in Cambridge on 18 July. Key topics discussed included: the regional biodiversity implementation plan; the NERC biodiversity duty; the Sustainable Development Round Table; and the latest developments with HLS.</li> <li>• <u>SITA Enriching Nature Assessment Panel</u>: I took part in the SITA Project Assessment Panel on 3 May. Three new proposals were approved, including an RSPB project for Sutton Fen (£20,406).</li> <li>• <u>Regional Data Needs Assessment Project</u>: Input was provided to the final draft of this report. Amongst other measures, the report recommends that all local planning authorities in the East of England region adopt the same biodiversity indicators (bats, great crested newts and BAP habitats) for their LDF annual monitoring reports.</li> <li>• <u>Regional Marine Workshop</u>: I represented the Partnership at a regional marine workshop, held in Cambridge on 1 June. The workshop developed the Regional Biodiversity Forum's response to the Marine White Paper, and also discussed the RBF's approach to marine conservation more broadly. Amongst other issues, the workshop explored the possibility of establishing a regional marine group and developing a regional marine LBAP.</li> <li>• <u>Fen Orchid</u>: I took part in a meeting of the National Fen Orchid Steering Group, held at Sutton Fen on 15 June.</li> </ul>
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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 for the Annual Biodiversity Forum is now well advanced. The Forum will be held on 11 October, and will address the theme of “Health and Biodiversity”. Efforts are being made to establish linkages with health practitioners and to encourage their participation.</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>Seven Topic Groups met during the quarter under review; in addition, a well-attended meeting of the Farming and Biodiversity Practitioners’ Forum was also held. All groups remain involved in Action Plan preparation, implementation and review (please see Annex 1: Summary of Topic Group Meetings).</li> <li>Over the last quarter, the following plans have been finalised: lowland calcareous grasslands; lowland meadows and pastures; coastal sand dunes; harbour porpoise; and shepherd’s needle.</li> </ul>

<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>• One new project proposal (Norfolk Fen Restoration: £3,156) was considered and approved by the Co-ordinator's Group at its meeting on 9 July. A proposal to carry out a survey of the one-grooved diving beetle (£300) was approved by email. A previously deferred proposal dealing with crayfish in the Brecks was also approved by email, upon receipt of clarifications from the Brecks Partnership (£2,600). (Please see Annex 2 for a summary of project proposals considered this quarter).</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>
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### Annex 1: Summary of Topic Group Meetings Held

Topic Group	Meeting Date	Principal Issues Discussed
Coastal BAP Topic Group	29 May	Marine Bill White Paper; Natural England's coastal access initiative; action plans (harbour porpoise; seagrass); arrangements for the soft cliff workshop; BARS.
Communities and Nature BAP Topic Group	18 June	Feedback on the Springwatch Festival; future arrangements for the Community Biodiversity Awards; NWT's Natural Connections project; new action plans (song thrush; gardens and allotments).
Ecological Networks Topic Group	18 May	Progress with district-level mapping; input to the Thetford and Norwich Green Infrastructure Strategies; review of the status of econet-related projects.
Farmland BAP Topic Group	9 May	Confirmation of new Chair (John Ebbage, from Natural England); review of the implementation progress of the Hedgerow Action Plan; results of the grassland monitoring project; new action plans (shepherd's needle; flixweed beetle).
Farming and Biodiversity Forum	14 May	Agri-environment schemes, particularly HLS; biodiversity conservation measures at Hoe Hall (site visit).
Heathland BAP Topic Group	No meeting held this quarter; next meeting scheduled for September/October	

Heathland Practitioners' Forum	No meeting held this quarter.	
Waterbodies BAP Topic Group	23 July	Update on projects (pillwort, crayfish, diving beetle, tassel stonewort); ornamental/estate lakes in Norfolk; white-clawed crayfish strategy; stoneworts action plan; new national actions for <i>L. natans</i> and <i>P. compressus</i> .
Wetlands BAP Topic Group	30 May	Implementation status of the reedbed action plan; review of the latest version of the bittern action plan.
Woodlands BAP Topic Group	12 June	Implementation status of the orchard action plan; catchment sensitive farming; woodland creation on Borough Farm (site visit).

**ANNEX 2: SUMMARY OF RECENT PROPOSALS SUBMITTED TO THE BIODIVERSITY PROJECT FUND**

	<b>Title of Proposal</b>	<b>Topic Group/ Lead Organisation</b>	<b>Amount Requested</b>	<b>Decision</b>
1	White-clawed crayfish: Working with communities to produce a toolkit for the protection of our native crayfish  (Re-submitted with clarifications.)	Communities and Nature BAP Topic Group	£3,114	A sum of £2,600 was approved
2	Survey of Norfolk sites for the one-grooved diving beetle ( <i>Bidessus unistriatus</i> )	Waterbodies BAP Topic Group	£300	Approved.
3	Fen Restoration Project, 2008-2010	Wetlands BAP Topic Group	£3,156	Approved.

**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 and hold 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 one-day 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 2007	£1,780	£1,280 (72%)	Quotations for the artwork and printing have been received.
Communities and Nature	Norwich Rivers and Green Spaces Project	- To raise awareness about the wildlife of 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.

 = 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	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 in preparation.
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%)	Underway.

<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>
Ecological Networks (Large Areas)	Making Space for Wildlife: Creating an Ecological Network for Norfolk	<ul style="list-style-type: none"> <li>- To promote the development of an ecological network in Norfolk;</li> <li>- To develop a Norfolk econet map;</li> <li>- To prepare a set of project briefs to take the econet forward.</li> </ul>	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%)	Consultation with Steering Group members on the draft final report and maps has now been completed.
Farmland	Databases of lowland calcareous grasslands and lowland meadows	<ul style="list-style-type: none"> <li>- To develop a database for each of the BAP grassland habitats for Norfolk</li> </ul>	Calcareous grasslands and lowland meadows HAPs (in prep)	County-wide	Helen Baczkowska	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"> <li>- To demonstrate how farmers can manage their land to help conserve and enhance biodiversity.</li> </ul>	Farmland HAPs and SAPs	County-wide	Belinda James	June 2006	£22,375	£1,000 (4.5%)	Completed; brief report received.

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"> <li>- To draw together existing information on heathland CWS;</li> <li>- To carry out proactive site visits and surveys;</li> <li>- To establish a programme of condition monitoring;</li> <li>- To identify priority areas for management advice and targeting future grant aid.</li> </ul>	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"> <li>- To carry out a translocation of SSB from Buxton heath to Cawston heath</li> </ul>	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"> <li>- To carry out a second translocation of SSB from Buxton to Cawston.</li> </ul>	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"> <li>- To carry out a repeat survey of the national survey sites in Norfolk in 2005/06</li> </ul>	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"> <li>- To create a single, integrated dataset of GCN occurrence in Norfolk.</li> </ul>	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.

<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>
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 populations;</li> <li>- To improve habitat management.</li> </ul>	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"> <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%)	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"> <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.

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 to take place in Aug.
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	Julia Masson	July-Oct 2007	£3,130	£580 (18.5%)	Tendering process completed and surveyors appointed.
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%)	Ongoing.
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.	Reedbed, grazing marsh and mesotrophic lakes HAPs; Bittern, water vole, otter and mollusc 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"> <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.
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%)	Ongoing.
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 sites.</li> </ul>	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"> <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 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%)	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"> <li>Establish a GIS database on wet woodlands/ habitats;</li> <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> <li>Enhance access.</li> </ul>	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 BIODIVERSITY EVENTS IN 2007**

### **BAP Steering Group**

25 October

### **BAP Co-ordinators' Group**

15 October

### **Topic Group Meetings**

- Coastal Topic Group: 8 October
- Communities and Nature Topic Group: 17 September
- Ecological Networks Topic Group: 11 September
- Farmland Topic Group: 4 September
- Heathland Topic Group: Date to be announced
- Waterbodies Topic Group: Date to be announced
- Wetlands Topic Group: 17 October
- Woodlands Topic Group: Date to be announced.

### **Biodiversity Forums**

- Farming and Biodiversity Practitioners' Forum: 16 October
- Heaths Forum: Date to be announced
- Annual Biodiversity Forum – "Health and Biodiversity": 11 October

### **Regional and National Meetings**

- East of England Biodiversity Forum: 18 October 2007
- National LBAP Conference: Exeter, 18-20 September.

### **Other Biodiversity Events**

- Creating an Orchard: 11 August, Easton College (10:00 to 15:00)
- Wash Week: 4-12 August (many different events, at localities around the Wash)
- Wild about Norfolk: 8-9 September
- Local Development Frameworks and Biodiversity: 13 September
- Waterline Economy: 24-25 September and 29-30 November
- Apple Days: Audley End (30 September); Banham (14 October); Gressenhall (21 October)
- Hedge Walk and Training Day: November (day to be confirmed)