

Harrogate BAP Action Programme

This document is the second part of the Harrogate District Biodiversity Action Plan. The complete BAP consists of the following two parts:

Part 1. The Action Plan

This gives our objectives for the priority habitats and species in Harrogate and provides information on current status and reasons for decline.

Part 2. The Action Programme

This is a table of quantifiable targets and actions to be delivered locally. These tables form an appendix to the published BAP. They provide a broad menu of targets and actions that will be initiated when opportunities, funding and partner leadership is identified. Active targets are targets and their actions which have been, or are likely to be, initiated in the current twelve-month reporting period. Each 'live' target and action will be input into the on-line Biodiversity Action Reporting System (BARS). The BARS software has been designed so that it can automatically communicate with the partners that have agreed action delivery, to prompt them to report progress. The current active targets can be viewed on the website: www.ukbap-reporting.org.uk/

The Action Programme provides a menu of targets and actions for each priority, which if implemented, will make progress towards the objectives set out in each action plan. The BAP Steering Group will meet annually to review progress and to add new targets and actions or delete obsolete ones. Actions where partners, funding and a delivery mechanism have been identified will become active and be entered into BARS.

The priority Habitat and Species target and action tables

Habitats

Blanket bog
Upland heathland
Moorland edge
Woodland
Lowland wood pasture, parkland and veteran trees
Upland Calcareous grassland and Calaminarian (*metaliferous*) grassland
Magnesian limestone grassland
Lowland meadows and floodplain grassland
Fens
Reedbeds
Standing water
Flowing water
Arable farmland (now field margins)
Ancient and/or species-rich hedgerows
Gardens and urban wildspace

Species

Otter
Water vole
Hen harrier
Great crested newt
Thistle broomrape
Chestnut click beetle
Bats

Generic targets and actions

These include targets and actions listed that are general to the delivery of the Harrogate BAP.

Nº. Long term target	Target goal	Lead organisation
G-T1 Widespread uptake of ESS (HLS)	100 agreements	NE
G-T2 Relevant strategies to have appropriate biodiversity policies.	one policy	All
G-T3 Maintain the SINC system and support the dual designation of sites e.g. geological SSSIs and SINCs.	Annual survey programme	NYCC/NYSP
G-T4 Offer advice and grants in order to appropriately manage land for biodiversity.	100 sets of advice	NYCC
G-T5 Monitor and control invasive species.	one programme	All
G-T6 Set up a Service Level Agreement for the management of biological data, with NEYEDC.	two SLAs	HBC, NYCC
G-T7 Support the preparation of a Geodiversity Action Plan to cover the NAONB area.	one GAP published	All
G-T9 Seek partnership projects at a sub-regional level.	one project	All
G-T10 Seek funding for BAP implementation.	three funding awards	All
G-T11 Contribute BAP information to the national reporting level.	Populate BARS with data	NYCC, NEYEDC
G-T12 Survey for and record priority species.	10 data sets	All

Key

NE	Natural England
NYCC	North Yorkshire County Council
NYSP	North Yorkshire SINC Panel
HBC	Harrogate Borough Council
NEYEDC	North and East Yorkshire Ecological Data Centre
FWAG	Farming and Wildlife Advisory Group
NAONB	Nidderdale Area of Outstanding Natural Beauty
HDNS	Harrogate District Naturalists' Society
WNS	Wharfedale Naturalists' Society
YDUBSG	Yorkshire Dales Upland Birds Study Group
FC	Forestry Commission
YGT	Yorkshire Gardens Trust
MoD	Ministry of Defence
SUWP	Swale and Ure Washlands Project
IDB	Inland Drainage Board
YDRT	Yorkshire Dales Rivers Trust
EA	Environment Agency
RSPB	Royal Society for the Protection of Birds
YWT	Yorkshire Wildlife Trusts
BCT	Bat Conservation Trust
NYBG	North Yorkshire Bat Group
ESS	Environmental Stewardship Scheme
HLS	Higher Level Scheme
ELS	Entry Level Scheme
SINC	Site of Importance for Nature Conservation
YNU	Yorkshire Naturalists' Union

Nº.	Action	Link to target	Action goal	Responsibility
G-A1	Promote and support take-up of the ESS (HLS) and any other relevant agri-environment schemes.	G-T1	100 agreements	NE, HBC, FWAG, NAONB
G-A2	Include protection policies for key habitats and species in Harrogate in all relevant strategic and statutory plans such as the the Harrogate District Local Plan and organisations' core strategies.	G-T2	one relevant policy per plan	All
G-A3	Support a rolling programme of surveys on SINCS.	G-T3	one programme of survey	All
G-A4	Encourage all SINC sites to be in 'favourable conservation management'.	G-T4	100 SINCS	All
G-A5	Ensure farmers and landowners are aware of the existence and importance of sites on their land.	G-T4	100 SINCS	All
G-A6	Provide support and advice for farmers and landowners on the wildlife conservation value of their land and how best to maintain and enhance it.	G-T4	100 SINC owners	All
G-A7	Carry out work to benefit species and habitats which do not have their own individual action plan, but which are connected to habitats and species identified within the BAP.	G-T4	n/a	All
G-A8	Control invasive species at priority sites where appropriate.	G-T5	five sites	HBC
G-A9	Set up a Service Level Agreement with the NEYEDC.	G-T6	one SLA	HBC
G-A10	Support the production of a Local Geodiversity Action Plan covering the Nidderdale AONB area.	G-T7	one LGAP produced	All
G-A11	Promote media interest in biodiversity in Harrogate.	G-T8	five press articles	All
G-A12	Support education projects, as and when appropriate.	G-T8	five school events	HBC
G-A13	Explore scope for partnership projects based on particular themes and/or geographical areas (such as projects with neighbouring local authorities and the Yorkshire Dales National Park).	G-T9	one project	HBC, NYCC
G-A14	Seek ways of including local business in implementing biodiversity actions.	G-T8	five businesses	HBC, NYCC
G-A15	Explore ways of working with local communities to identify and protect key species and habitats.	G-T8	five communities	HBC
G-A16	Use existing volunteer groups to deliver biodiversity targets for key species and habitats and seek new opportunities for working with volunteers.	G-T8	five volunteer groups	HBC, NYCC
G-A17	Work with local interest groups to focus on particular biodiversity targets.	G-T8	five specialist projects	HBC
G-A18	Explore opportunities for external funding and sponsorship for actions, key species and habitats where appropriate.	G-T10	five funding bids	All
G-A19	Set up a system to pass on information to BARS.	G-T11	one system	HBC, NEYEDC
G-A20	Survey for priority species throughout the district and pass records on to NEYEDC.	G-T12	Survey five parishes	NEYEDC, NAONB HDNS, WNS
G-A21	Map all priority habitats and species on GIS.	G-T12	one database	HBC

Habitats

Blanket bog

N°. Long term target	Target goal	Lead organisation
BB-T1 Ensure blanket bog is in favourable condition.	Maintain 100 ha.	NE
BB-T2 Restore degraded Blanket bog to favourable condition.	Restore/enhance 100ha.	NE
BB-T3 Increase protection of the habitat.	Designate 1 site as a SINC	NYCC
BB-T4 Seek and promote better understanding of the resource.	Deliver 1 publicity article. 1 survey	HBC

N°. Action	Link to target	Action goal	Responsibility
BB-A1 Evaluate examples of this habitat against SINC criteria to ratify or delete sites.	BB-T3	Ratify one site as a SINC	NYCC
BB-A2 Evaluate status of Harrogate BAP priority species on Blanket bog.	BB-T4	one survey	HBC
BB-A3 Work with landowners/ occupiers of degraded Blanket bog to restore to favourable condition. Offer advice and expertise.	BB-T2, T4	Restore/ enhance 100ha.	NE, HBC
BB-A4 Establish a liaison group to discuss moorland management issues and promote these to the general public.	BB-T1,T2, T3,T4	Attend one meeting	NE, NAONB
BB-A5 Contribute to Local Access Forums.	BB-T4	Attend one meeting	NE, NAONB, NYCC
BB-A1 Evaluate examples of this habitat against SINC criteria to ratify or delete sites.	BB-T3	Ratify 1 site as a SINC.	NYCC
BB-A2 Evaluate status of Harrogate BAP priority species on Blanket bog.	BB-T4	one survey	HBC
BB-A3 Work with landowners/ occupiers of degraded Blanket bog to restore to favourable condition. Offer advice and expertise.	BB-T2, T4	Restore/ enhance 100ha.	NE, HBC
BB-A4 Establish a liaison group to discuss moorland management issues and promote these to the general public.	BB-T1,T2, T3,T4	Attend one meeting	NE, NAONB
BB-A5 Contribute to Local Access Forums.	BB-T4	Attend one meeting	NE, NAONB, NYCC

Upland heathland

Nº. Long term target	Target goal	Lead organisation
UH-T1 To ensure that Upland heathland is in favourable condition.	Maintain 5,000ha	NE
UH-T2 Work with landowners/occupiers where Upland heathland is in poor ecological condition to restore to favourable condition.	Enhance 500ha	NE
UH-T3 Increase area of habitat under some form of protection.	Notify two SINC's	NYCC/NYSP
UH-T4 Increase our knowledge of Upland heathland and priority species.	one survey	NAONB
UH-T5 Advise landowners and land managers on grant opportunities and best practice.	10 ESS agreements	NE
UH-T6 Protect breeding merlin (NB: Hen harrier protection is covered in the Hen harrier SAP).	Increase population of merlin to 5 pairs	YDUBSG

Nº. Action	Link to target	Action goal	Responsibility
UH-A1 Deliver Nidderdale AONB Management Plan.	UH-T1, T2	Deliver one management plan	NAONB
UH-A2 Run potential SINC sites through the SINC survey programme.	UH-T3	Notify two SINC's	NYCC/NYSP
UH-A3 Establish extent and condition of Upland heathland in Harrogate district.	UH-T4	one survey	NAONB
UH-A4 Evaluate status of Harrogate BAP priority species on . Upland heathland	UH-T4	one survey	NAONB
UH-A5 Work with landowners /occupiers to assess current areas of Upland heathland and agree management prescriptions.	UH-T1,T2	Maintain 5,000ha Enhance 500ha	NAONB, NE
UH-A6 Advise landowners /occupiers of grants and current research.	UH-T5	10 ESS agree-ments	NE, FWAG, NAONB
UH-A7 Establish a liaison group to discuss moorland management issues and promote these to the general public.	UH-T1,T2, T3,T4	Establish one group	NAONB, NE
UH-A8 Contribute to Local Access Forum(s).	UH-T1,T3	Attend one forum	NYCC
UH-A9 Work with police, landowners and RSPB to stop illegal persecution of birds of prey.	UH-T6	Increase merlin population to five pairs	YDUBSG

Moorland edge

Nº. Long term target	Target goal	Lead organisation
ME-T1 Agree definition and produce a map of habitat extent.	one database	HBC
ME-T2 Protect Moorland edge habitats.	Protect 50ha	NE
ME-T3 Provide expert advice on management and grants to landowners, to enable them to manage sites economically and for wildlife under the Higher Level tier of the ESS.	Enhance 50ha.	NE, FWAG
ME-T4 Promote the nature conservation and economic value of the resource.	Deliver two articles. one training session	NAONB
ME-T5 Better understand the status of priority species.	one survey	HBC

Nº. Action	Link to target	Action goal	Responsibility
ME-A1 Work with farmers to prepare FEPs and to enter into ESS agreements, including the provision of small areas of wildlife-friendly arable habitat.	ME-T3	Enhance 50 ha	NE
ME-A2 Promote full compliance with EIA regulations for uncultivated land and semi natural areas.	ME-T2	Protect 50 ha	NE
ME-A3 Collate data sources as to definition of Moorland edge, agree definition and produce map of extent and condition as at an agreed base year.	ME-T1	Deliver one report and map	HBC
ME-A4 Evaluate status of Harrogate district BAP species on this habitat.	ME-T5	one survey	HBC
ME-A5 Promote best practice grassland management for ground nesting birds.	ME-T4 of advice	Deliver one piece	NE
ME-A6 Raise awareness amongst all sectors of the rural economy of the value of the Moorland edge to wildlife and the local economy.	ME-T4	Deliver one article	NAONB
ME-A7 Arrange training days for farmers and support farmers in applying for the ESS and using set-aside to achieve environmental benefit.	ME-T4,	Deliver one training workshop	FWAG

Woodland

Nº.	Long term target	Target goal	Lead organisation
W-T1	No loss of any woodland recorded in the Ancient Woodland Inventory.	Maintain extent of ancient woodland at 1,866ha	FC
W-T2	Expand the semi-natural woodland resource, whilst not affecting other areas of high nature conservation value, where possible adjacent to ancient woods.	Create 15ha of woodland	FC
W-T3	To increase knowledge of the woodland resource, including sites under 2ha in size, which are not on the AWI.	one report	HBC
W-T4	Encourage the management of woodland in favourable condition for wildlife.	Enhance the quality of 20ha 10 members of UKWAS	FC
W-T5	Ancient woods identified in the AWI to be surveyed and notified as SINCS if criteria met.	Notify five SINCS	NYCC/NYSP
W-T6	Restore five plantation on ancient woodland site (PAWS) to native woodland.	Enhance 50ha	FC

Nº.	Action	Link to target	Action goal	Responsibility
W-A1	Identify woodland (of all types) where advice may be offered to owners, and improvements made. Facilitate the management of existing woods, including stock proofing and controlling non-native species, using the EWGS and other incentives.	W-T4	Maintain extent of 239ha Enhance quality of 20ha	Yorwoods, FC
W-A2	Identify suitable areas and facilitate halo-planting or the planting and/or seeding of semi-natural woodland using species of local provenance.	W-T2	Create 15ha	Yorwoods, FC
W-A3	Survey the woodland resource possibly involving members of the public. Monitor existing and known ASNW to ensure integrity.	W-T1, T3	one report	HBC
W-A4	Woods on the AWI to be surveyed and tested for SINC status (excepting SSSIs), which will help with their protection through planning.	W-T1, T5	five SINCS	NYCC/NYSP
W-A5	Encourage woodland owners to join the United Kingdom Woodland Assurance Scheme (UKWAS)	W-T4	10 members of UKWAS	Yorwoods, FC
W-A6	Restore PAWS to native woodland.	W-T6	Enhance 50ha	FC

Wood pasture, parkland (and veteran trees)

Nº. Long term target	Target goal	Lead organisation
LWP-T1 Raise awareness of the importance of parkland to owners and provide management advice in order to protect, manage and enhance sites. Encourage management or restoration of parkland through ESS agreements.	Enhance 25ha one guidance note	NYCC
LWP-T2 Increase knowledge of the resource of veteran trees.	Survey 10 parishes	NAONB
LWP-T3 Promote the nature conservation value of veteran trees, (including those outside of parkland sites).	Deliver one article	NYCC
LWP-T4 Notify qualifying sites as SINC.	five sites	NYCC
LWP-T5 Organise surveys of priority species.	five surveys	HBC

Nº. Action	Link to target	Action goal	Responsibility
LWP-A1 Establish ownership, offer management advice and subject to landowner permission undertake condition surveys of parkland.	LWP-T1	Enhance 25ha	NYCC
LWP-A2 Organise and undertake surveys of parkland sites for dead wood invertebrates, with landowners and YNU.	LWP-T5	one survey	HBC
LWP-A3 Organise and undertake surveys of parkland sites for fungi of veteran trees and associated pasture with landowners and YNU.	LWP-T5	one survey	HBC
LWP-A4 Publish information promoting parkland and celebrating veteran trees.	LWP-T3	Publish one article	NYCC
LWP-A5 Organise and undertake a survey for veteran trees in a number of parishes, set up a database.	LWP-T2, T3	Survey 10 parishes	NAONB
LWP-A6 Prepare and disseminate guidance on renovation of parkland.	LWP-T1	Deliver one guidance note	YGT
LWP-A7 Liaise with YNU to undertake a survey for the lichen <i>Basidia incompta</i> at Fountains Abbey to establish if it is still present.	LWP-T5	one survey	HBC
LWP-A8 Liaise with appropriate groups to survey for stag beetle, to establish current status.	LWP-T5	one survey	HBC
LWP-A9 Liaise with the NT and wildlife groups to re-survey veteran trees on the Fountains estate.	LWP-T2	one survey	HBC
LWP-A10 Develop specific SINC guidelines, survey potential SINC sites where possible and ratify those that qualify.	LWP-T4	five sites	NYCC

Upland Calcareous grassland and Calaminarian grassland

Nº. Long term target	Target goal	Lead organisation
UCG-T1 Ensure favourable management of sites, largely through ESS agreements.	Maintain and enhance 25ha	NAONB
UCG-T2 Undertake research into the resource.	one report	HBC

Nº. Action	Link to target	Action goal	Responsibility
UCG-A1 Identify landowners, advise and assist with ESS applications and offer management advice. Promote the BAP importance of the habitat.	UCG-T1	Maintain and enhance 25ha	NAONB
UCG-A2 Commission M Hammond to work with Greenhow residents to produce a report on the ecology of the habitat in the NAONB.	UCG-T2	one report	HBC

Magnesian limestone grassland

No. Long term target	Target goal	Lead organisation
MLG-T1 Manage key sites.	Enhance 10 ha	HBC
MLG-T2 Promote Magnesian limestone grassland to the public.	Interpretation at one site open to public	HBC
MLG-T3 Manage Special Interest Verges for wildlife.	Enhance one ha	NYCC
MLG-T4 Protect qualifying sites through the SINC process.	1 SINC	NYCC/NYSP

Nº. Action	Link to target	Action goal	Responsibility
MLG-A1 Work with interested parties and Ripon City Council to manage Quarry Moor nature reserve, Ripon.	MLG-T1	Enhance 1ha	HBC
MLG-A2 Liaise with appropriate landowners and other organisations and initiate a grazing project.	MLG-T1	Enhance 9ha	HBC
MLG-A3 Manage Quarry Moor Nature Reserve to maximise biodiversity value and for peoples' enjoyment of it.	MLG-T2	Interpretation at one public site	HBC
MLG-A4 Work with Highways Authority to manage key road verges for wildlife.	MLG-T3	Enhance 1ha.	NYCC
MLG-A5 Assess candidate SINC's and ratify qualifying ones.	MLG-T4	one SINC	NYCC

Lowland meadows and floodplain grassland

Nº. Long term target	Target goal	Lead organisation
LMFG-T1 All the land of conservation value within the Grassland Inventory four highlighted blocks (Landscape Character Areas 63/64, 92/93/94/97/98/, 72/73/75 and 78) to be under favourable management and maximum protection.	Maintain 10ha	NE
LMFG-T2 Re-create 10ha of high quality conservation floodplain grazing marsh within each of the above LC Areas.	Create 10ha	NE
LMFG-T3 Increase knowledge and understanding of key sites and species.	two surveys	HBC
LMFG-T4 Protect known colonies of small amber snail.	Maintain one population	MoD
LMFG-T5 Protect qualifying sites through the SINC process.	five SINC	NYCC
LMFG-T6 Promote the habitat.	two articles	HBC

Nº. Action	Link to target	Action goal	Responsibility
LMFG-A1 Work with landowners to establish ESS agreements and help farmers and landowners with management plans. Encourage farmers to choose HLS options for managing known sites. Send landowners copies of the HAP and contacts for advice.	LMFG-T1	Maintain 10 ha	NE, FWAG
LMFG-A2 Work with landowners to establish ESS agreements to re-create this habitat.	LMFG-T2	Create 10 ha	NE, FWAG
LMFG-A3 Expand the SINC chain of sites. Assess candidate SINC and ratify qualifying ones.	LMFG-T5	five SINC	NYCC/NYSP
LMFG-A4 Organise a full survey for grass snake in the Landscape Character Area 102 (Harrogate District Landscape Assessment, HBC 2004).	LMFG-T4	one survey	HBC
LMFG-A6 Survey and map all the LCA areas highlighted with a view to develop biota hotspots.	LMFG-T3	one survey	HBC
LMFG-A7 Manage Ripon Parks favourably for the small amber snail.	LMFG-T5	Maintain one colony	MoD
LMFG-A8 Organise a series of press releases or articles to promote the habitat.	LMFG-T	two articles	HBC

Fen

Nº.	Long term target	Target goal	Lead organisation
F-T1	Identify a major site for Fen creation and restoration.	Create 0.5ha	HBC
F-T2	Assess the condition and establish management agreements for known Fen sites on SSSIs and SINC.	Enhance quality of 5ha	NE/NYCC
F-T3	Provide expert advice on Fen management and grants, to land-owners, to enable them to manage sites economically and for wildlife.	Deliver advice to 10 SINC owners	NE/NYSP
F-T4	Promote the creation of Fen habitat as part of mineral site restoration schemes.	Create 0.5ha	NYCC

Nº.	Action	Link to target	Action goal	Responsibility
F-A1	Investigate the potential for Fen creation by the River Tut at Staveley. Liaise with interested parties, offer advice and encourage habitat creation. Seek funding to finance a grant scheme for fen creation and management.	F-T1	Create 0.5ha	HBC/YWT
F-A2	Liaise with SINC owners and encourage the establishment of management plans for SINC sites, including NYCC owned Marton cum Grafton fen SINC.	F-T2, T3	Enhance 1ha	HBC, NYCC
F-A3	Liaise with SINC owners and give advice on Fen management and grants.	F-T2,T3	Deliver advice	NE
F-A4	Advise Mineral Planning Officers and mineral extraction companies on Fen habitat creation and encourage them to deliver new Fen sites.	F-T4	Create 0.5ha	NYCC/SUWP
F-A5	Manage Marton cum Grafton SINC (owned by NYCC) for its Fen habitat.	F-T2	Enhance 0.5ha	NYCC

Reedbeds

Nº.	Long term target	Target goal	Lead organisation
R-T1	Create reedbeds through working in partnership, for example with the Mineral extraction industry, the Minerals Planning Authority and the Highways Authority.	Create 5.5ha	NYCC/SUWP
R-T2	Manage ditches to retain existing linear reedbeds.	Maintain 1km	IDB
R-T3	Increase our ecological knowledge of associated priority species, creation techniques and management.	Organise one piece of research	HBC/SUWP

Nº.	Action	Link to target	Action goal	Responsibility
R-A1	Promote reedbed creation as part of SUDS.	R-T1	Create 2ha	NYCC, HBC
R-A2	Include reedbed creation in mineral afteruse plans, conditioned as part of mineral planning approvals.	R-T1	Create 2ha	NYCC/SUWP
R-A3	Work with landowners to investigate projects to create reedbeds on lake margins.	RT-1	Create 1ha	NE
R-A4	Advise the appropriate organisations regarding reedbed creation as part of road improvement schemes, such as widening of A1.	R-T1	Create 0.5ha	NYCC
R-A5	Promote ditch maintenance that does not eradicate existing patches of common reed.	R-T2	Maintain 1km	IDB
R-A6	Share experiences of reedbed creation techniques.	R-T3	Deliver one report	LUCT

Standing water

Nº.	Long term target	Target goal	Lead organisation
SW-T1	Create new wetland habitats, exclusively for nature conservation and targeted for appropriate biodiversity gain.	Create 50 water bodies	NE
SW-T2	Promote the resource and its wildlife to the public, schools, farmers and developers.	Prepare five pieces of information	HBC
SW-T3	Increase our knowledge and understanding of the resource.	Prepare one database five surveys	HBC
SW-T4	Tackle the adverse impacts of invasive non-native species.	Enhance 20 sites	NYCC
SW-T5	Increase the level of protection of the best quality sites.	Ratify 10 SINCS	NYCC/NYSP
SW-T6	Bring sites into favourable condition through ESS agreements and good management practices.	Enhance 20 water bodies	NE

Nº.	Action	Link to target	Action goal	Responsibility
SW-A1	Encourage the creation of ponds in development proposals, including house-building schemes.	SW-T1	Create five ponds	HBC (Planning)
SW-A2	Promote creation and management of water bodies through ESS agreements, especially new ponds adjacent to drying up ones, which should be left.	SW-T1,T2	Create 20 water bodies	NE, FWAG
SW-A3	Encourage the creation of garden ponds and school ponds for wildlife.	SW-T1	Create five ponds	HBC
SW-A4	Give advice to mineral extraction planning process and seek the creation of wetland habitats focused on high quality nature conservation.	SW-T1,T2	Create two water bodies	NYCC
SW-A5	Promote 'fish free' ponds and associated wildlife by using flagship species, to the public and businesses.	SW-T2	Deliver two pieces of promotional material	HBC
SW-A6	Protect the water supply and favourably manage two mesotrophic SSSIs - Gouthwaite SSSI and Ripon Parks SSSI.	SW-T2	Enhance two water bodies	NE
SW-A7	Liaise with conservation organisations to establish an inventory of water bodies, their status and wildlife interest, including the status of invasive species.	SW-T3	Deliver one database	HBC
SW-A8	Provide a specification sheet for the minerals industry for sand martin conservation work.	SW-T2	Deliver one advice note	NYCC
SW-A9	Work with the YNU and other interested parties to survey wetland sites for invertebrates.	SW-T3	Survey five sites	HBC
SW-A10	Prepare a fact sheet on garden ponds for house builders and architects to use.	SW-T2	Deliver one factsheet	NYCC
SW-A11	Run candidate SINC sites through the SINC system.	SW-T5	Ratify 10 SINCS	NYCC
SW-A12	Target garden centres to raise awareness of the issues related to invasive species in the wild.	SW-T2,T4	Deliver one advice note	HBC
SW-A13	Set up programmes to investigate the control of invasive species at key sites, identifying sites and partners.	SW-T4	Enhance eight water bodies	NYCC/NYSP
SW-A14	Encourage buffer zones to be created around ponds, through the EES.	SW-T6	Enhance 10 sites	NE, FWAG

Flowing water

N°. Long term target	Target goal	Lead organisation
FW-T1 To maintain river and stream habitat, including riparian corridors, in a favourable condition for wildlife.	Enhance quality of rivers and streams by 10km	YDRT
FW-T2 To implement the Ure Initiative.	Enhance quality of R Ure by 10km	YDRT
FW-T3 Retain wildlife habitat in ditches during maintenance operations.	Maintain the quality of 10 km of ditch	IDB
FW-T4 Safeguard and create sand martin nesting opportunities.	Increase the population of sand martin by two occupied colonies	YDRT

N°. Action	Link to target	Action goal	Responsibility
FW-A1 During ditch clearance, leave stretches of bank side vegetation (such as common reeds), untouched, or replace after clearance.	FW-T3	Maintain quality of 10km of ditch	NE, FWAG
FW-A2 Check whether this has been done by EA (fisheries section) and if not, identify barriers to fish migration on the district's rivers and their tributaries.	FW-T1,T3	Enhance 10km	EA
FW-A3 Create vertical sand banks to allow the development of sand martin colonies. This could be on either a river bank or on the bank of a Standing water body.	FW-T1,T2	Increase the population of sand martin by two occupied colonies	EA, NYCC, YDRT
FW-A4 Fence sections of riverbank to allow riparian habitats to mature.	FW-T1	Enhance 10km	NE

Arable farmland (now 'Field margins')

Nº. Long term target	Target goal	Lead organisation
AF-T1 Set up sparrow nest box schemes.	Increase the population of Tree Sparrow by 50 pairs	HBC NE, FWAG
AF-T2 Set up farmland winter bird feeding sites.	Set up five feeding sites	HBC
AF-T3 Encourage the uptake of the Environmental Stewardship Scheme - Entry Level Scheme.	100 ELS agreements	NE, FWAG
AF-T4 Encourage the uptake of the Environmental Stewardship Scheme - Higher Level Scheme.	25 HLS agreements	NE, FWAG
AF-T5 Increase our knowledge of the resource.	five surveys	RSPB

Nº. Action	Link to target	Action goal	Responsibility
AF-A1 Set up community projects to produce nest boxes.	AF-T1	Increase the population of Tree Sparrow by 50 pairs (all actions)	HBC
AF-A2 Identify farms populated by tree sparrows (especially where few suitable trees are available), liaise with farmers and organise nest box schemes.	AF-T2	Increase the population of Tree Sparrow by 50 pairs (all actions)	HBC/NYCC
AF-A3 Working with interested farmers, undertake breeding bird surveys as part of the RSPB Farmer Volunteer Alliance.	AF-T5	five bird surveys	RSPB
AF-A4 Arrange training days for farmers or agronomists, on arable options and support farmers in applying for the ESS and using set-aside to achieve environmental benefit.	AF-T3,T4	100 ELS agreements and 100 HLS agreements	NE, FWAG

(Ancient and/or species-rich) Hedgerows

Nº. Long term target	Target goal	Lead organisation
A&SrH-T1 No Ancient hedgerows to be lost to removal or neglect.	Maintain 10km	HBC
A&SrH-T2 Restore/enhance Ancient and/or Semi-natural hedgerow, by gapping up, laying and managing sympathetically.	Enhance 100km	NE
A&SrH-T3 Plant new Semi-natural hedgerow.	Create 50km	NE
A&SrH-T5 Provide advice and training to owners.	one workshop	FWAG
A&SrH-T6 Promote the attributes of the habitat, and encourage recording.	Disseminate two articles/ events	HBC
A&SrH-T7 Increase the number of standard trees within hedges.	Create 100 standard trees	NE

Nº. Action	Link to target	Action goal	Responsibility
A&SrH-A1 Ensure there is no loss of ancient hedgerows in accordance with the Hedgerow Regulations 1997.	A&SrH-T1	Maintain 100km	HBC
A&SrH-A2 Advise and promote 'good practice' among landowners and those responsible to maintaining hedgerows. Advise on grants and promote the ESS to farmers to enhance and create new species-rich hedgerow. This should aim to form hedges with a mix of species typical of the best example in the district.	A&SrH-T3	Create 50km. Enhance 100km	RDS, FWAG
A&SrH-A3 Training of farmers, contractors and Local Authority staff in traditional hedge management techniques and sympathetic hedge management.	A&SrH-T2	Deliver one workshop	FWAG
A&SrH-A4 Prepare and distribute articles to raise public and landowner awareness of the biological, cultural, archaeological and landscape value of hedges.	A&SrH-T6	Deliver one article	NYCC
A&SrH-A5 Plant standard trees in new and existing hedges.	A&SrH-T7	Plant 100 standard trees	FWAG
A&SrH-A6 Organise events to promote good hedgerow management.	A&SrH-T6	Deliver one event	FWAG

Gardens and urban wild space

Nº. Long term target	Target goal	Lead organisation
G-T1 Encourage local wildlife projects to be implemented.	10 projects two articles	HBC
G-T2 Greatly reduce the use of products harmful to habitats and wildlife.	two policies	HBC
G-T3 Greatly reduce the impact of non-native species.	Enhance five sites	HBC

Nº. Action	Link to target	Action goal	Responsibility
G-A1 Discourage the use of peat compost by HBC.	G-T2	one policy	HBC
G-A2 Discourage the use of slug pellets on HBC owned land.	G-T2	one policy	HBC
G-A3 Work with interested parties to eradicate or contain invasive non-native species.	G-T3	Enhance five sites	HBC
G-A4 Encourage local wildlife projects to be implemented.	G-T1	nine projects	HBC
G-A5 Organise toad crossing awareness campaigns during spring migration.	G-T1	one project	HBC
G-A6 Provide Harrogate Borough Council Development Control officers with guidance on encouraging swifts in buildings, to be given out with planning application information.	G-T1	one article	HBC
G-A7 Encourage schools to initiate wildlife schemes in school grounds.	G-T1	five projects	HBC
G-A8 Encourage wildlife management in churchyards.	G-T1	five projects	HBC
G-A9 Encourage the creation of wildlife ponds in gardens.	G-T1	one article	HBC

Species

Otter

Nº. Long term target	Target goal	Lead organisation
O-T1 Increase the known population of the Otter.	Establish extent of population within 21 parishes	YWT
O-T2 Increase the geographical range of the Otter.	Increase geographical range by two occupied 10km squares	YWT
O-T3 Promote the conservation of the Otter.	Organise one promo event	YWT
O-T4 Identify and then reduce through engineering solutions, the number of Otter accident blackspots on roads.	Remove one accident blackspot	YWT
O-T5 Gather data on the extent of pollutant contamination on Otters.	Obtain data from one Otter post mortem	YWT
O-T6 Ensure that otters are not caught in traps set for American mink.	Deliver one guidance note	YWT

Nº. Action	Link to target	Action goal	Responsibility
O-A1 Liaise with and advice Highways Agency, NYCC and HBC planning officers, on otter issues including mitigation for planning approvals for both developments and road schemes.	O-T2	Increase geographical range by two occupied sites	YWT
O-A2 Survey the otter population to determine baseline information on otter activity and habitat suitable for breeding.	O-T1	Survey four parishes	YWT
O-A3 Facilitate the creation of artificial otter holts	O-T2	Maintain geographical range in 10km squares	NE
O-A4 Raise awareness and provide information on otter requirements, with planning officers, riparian landowners, farmers, developers and angling clubs.	O-T3	Deliver one leaflet	YWT
O-A5 Raise awareness of otters with appropriate engineering concerns, such as highways and bridge engineers, eg: through the journal of the Institute of Civil Engineering.	O-T2	Publish one article	YWT
O-A6 Identify actual and potential otter accident blackspots for road deaths.	O-T4	Identify one Otter accident black-spot	YWT
O-A7 Work in partnership with appropriate organisations, to facilitate the introduction of engineering solutions to otter accident blackspots on roads.	O-T4	Remove one Otter accident black-spot	YWT, NYCC
O-A8 Co-ordinate the sending of all found otter carcasses for post mortem and analysis.	O-T5	Send one Otter carcass for veterinary exam	YWT
O-A9 Promote the use of carefully sited, cage (live) traps for American mink to the Gamekeepers Association, Country Land and Business Association and landowners, to minimise the risk of otters being caught in traps.	O-T6	Deliver one piece of guidance	YWT

Water vole

Nº. Long term target	Target goal	Lead organisation
WV-T1 Determine the current distribution and abundance of water vole and American mink in Harrogate district.	one database	EA
WV-T2 Protect all known water vole colonies and their habitat and take into account in all relevant planning applications.	Maintain geographical range of five occupied sites	HBC
WV-T3 Increase the number of watercourses that are favourable for water vole through habitat expansion, creation and management, in order to increase populations and to encourage spread into neighbouring areas, possibly through ESS agreements.	Increase geographical range by five occupied sites Enhance quality of two sites	NE
WV-T4 Promote best practice in riparian and wetland management to benefit water voles. Promote the species for conservation and recording.	one training day one advice pack one leaflet	YWT
WV-T5 Protect existing water vole populations from American mink.	Maintain three populations	YWT

Nº. Action	Link to target	Action goal	Responsibility
WV-A1 Provide advice to planners to ensure water voles are given consideration in all relevant developments. Liaise with relevant professionals to ensure water voles are not destroyed or disturbed as part of pest control programmes.	WV-T2,T3	Maintain geographical range of five occupied sites	YWT, HBC
WV-A2 In reviewing ESS targets ensure they identify key habitats for water voles and include incentives for wetland habitat enhancement.	WV-T2,T3	Maintain geographical range of five occupied sites	NE
WV-A3 For sites with viable water vole colonies, work with landowners to agree management plans to protect sites and undertake enhancement work along 2km of adjacent watercourse, to allow population expansion.	WV-T2,T3	Enhance quality of two sites	YWT
WV-A4 Promote best practice in water vole conservation by disseminating information packs and giving advice on ESS, to land managers, IDBs and developers.	WV-T1,T2,T3,T4,T5	Disseminate one advice pack. Run one training day	YWT
WV-A5 Identify areas where American mink are present and where water vole populations are threatened by their presence, and work with EA and landowners and relevant agencies to trap American mink.	WV-T1,T2,T5	Maintain three populations	YWT
WV-A6 Carry out survey work to determine population status of water vole. Monitor existing sites.	WV-T1	one database	YWT, EA
WV-A7 Promote water vole conservation to the public.	WV-T1,T2,T5	Deliver one leaflet	YWT

Hen harrier

Nº. Long term target	Target goal	Lead organisation
HH-T1 Maintain suitable conditions for Hen harrier to breed in the district	five breeding females	NE
HH-T2 Raise public awareness of the issues surrounding Hen harriers where suitable media opportunities occur. This should include encourage the reporting of Hen harrier sightings in early spring to the Hen harrier Recovery Project.	Organise one event, article or press release each year	YDUBSG
HH-T3 Increase the number of people taking part in the annual Hen harrier survey.	five additional volunteers.	YDUBSG
HH-T4 Determine the outcome of any breeding attempts through monitoring of nest sites by approaching landowners and initially requesting voluntary access. Identify and determine the feasibility of other conservation measures (for example co-ordinated nest watches) if the above actions do not work.	Obtain knowledge of all breeding attempts	YDUBSG/ Operation Artemis
HH-T5 Liaise with landowners, police and other interested parties and ensure that any changes in national policy and/or management best practice guidelines (eg: supplementary feeding) are implemented in the NAONB.	two meetings	NE

Nº. Action	Link to target	Action goal	Responsibility
HH-A1 Raise public awareness of Hen harrier conservation through appropriate media opportunities.	HH-T2	Deliver one event, article or press release	YDUBSG
HH-A2 Co-ordinate the annual Hen harrier survey and encourage more individuals to submit records.	HH-T3	five additional volunteers	YDUBSG
HH-A3 Monitor all Hen harrier nesting attempts to determine the outcome of each breeding attempt by initially seeking voluntary access permissions.	HH-T4	Monitor all breeding attempts	YDUBSG
HH-A4 Depending on the outcome of the above, determine the feasibility of other options (e.g. 24 hour nest protection).	HH-T4	Monitor all breeding attempts	YDUBSG
HH-A4 Increase contacts with Police WLOs to ensure any suspicious incidents are fully investigated. Work with police, landowners and RSPB to stop illegal persecution of birds of prey, especially Hen harriers.	HH-T5	two meetings	NE Hen harrier Recovery Project
HH-A5 Ensure that any changes in national policy and/or management are put into practice in the NAONB.	HH-T5	two meetings	NE Hen harrier Recovery Project

Great crested newt

Nº. Long term target	Target goal	Lead organisation
GCN-T1 Increase our knowledge of the population status of great crested newt, with the aim of identifying all breeding sites.	25 surveys	HBC
GCN-T2 Maintain the range, distribution and viability of existing great crested newt populations.	Create 10 ponds. Create 1ha terrestrial habitat. Restore 10 ponds. Maintain 20 populations.	HBC
GCN-T3 Promote greater awareness, understanding and support for Great crested newt conservation.	Organise one event	HBC
GCN-T4 Protect 'good' and 'exceptional' populations through appropriate site designations.	Designate 10 sites	HBC

Nº. Action	Link to target	Action goal	Responsibility
GCN-A1 Organise and run training sessions for surveyors.	GCN-T3	Deliver one training event	HBC
GCN-A2 Survey for Great crested newts to locate further sites and re-check old records.	GCN-T1	25 surveys.	HBC
GCN-A3 Identify appropriate areas for pond habitat creation that would give maximum benefit to consolidating or increasing the range of populations of Great crested newt. Encourage landowners and developers to create ponds in these areas, which are fish-free and suitable for Great crested newt colonisation.	GCN-T2	Create 10 ponds	NE, FWAG, HBC
GCN-A4 Review habitat management needs of known great crested newt breeding ponds and surrounding habitat and advise planning officers accordingly. Work with developers to protect this species, set planning conditions, mitigate and check and enforce as necessary.	GCN-T2	Maintain 20 populations	HBC
GCN-A5 Work with landowners to restore degraded ponds (including surrounding habitat).	GCN-T2	Restore 10 ponds	NE,FWAG,HBC
GCN-A6 Work with landowners to create good quality terrestrial habitat, close to existing known, Great crested newt populations.	GCN-T2	Create 1ha terrestrial habitat	NE, FWAG, HBC
GCN-A7 Increase protection of sites by running them through the SSSI and SINCC designation processes.	GCN-T4	Designate 10 sites	NYCC
GCN-A8 Distribute relevant advice notes, press releases and run events to develop the species as a positive flagship.	GCN-T3	Deliver one event	HBC

Thistle broomrape

Nº. Long term target	Target goal	Lead organisation
TB-T1 Protect and manage known Thistle broomrape sites to ensure continuity of populations.	Maintain populations at 10 sites	HBC?
TB-T2 Promote the conservation of the Thistle broomrape and encourage records.	Deliver one article	HBC

Nº. Action	Link to target	Action goal	Responsibility
TB-A1 Re-survey all known sites in the district, record existing management conditions and prepare a report.	TB-A1	Survey 10 sites Deliver one report	HBC
TB-A2 Manage the appropriate areas of sites controlled by HBC or YWT, such as Quarry Moor LNR, Ure Banks and the Loop favourably for this species.	TB-A1	Manage one site	HBC, YWT
Liaise with landowners to encourage good management for Thistle broomrape, investigate the availability of Environmental Stewardship to encourage this.	TB-A1	Contact two landowners	NE
TB-A3 Protect Thistle broomrape during quarrying operations and seek opportunities to create favourable habitat restoration for Thistle broomrape for gravel extraction close to existing populations (Ripon Quarry and Ripon City Quarry).	TB-A1	Work with minerals companies	NYCC
TB-A4 Prepare an article and distribute to landowners and the public, encouraging reporting of the species at new sites.	TB-T2	Deliver one article	HBC

Chestnut click beetle

Nº. Long term target	Target goal	Lead organisation
CCB-T1 Establish current status at Birk Crag through annual surveys and survey 1908 site at Ravensgill near Pateley Bridge.	Survey two sites	HBC
CCB-T2 Undertake habitat management trials at Birk Crag to open up two overgrown areas.	Enhance 1ha	HBC

Nº. Action	Link to target	Action goal	Responsibility
CCB-A1 Organise and undertake habitat management at Birk Crag, to create and maintain expanses of open, bare, sandy ground, maintained by disturbance, with a sheltered, sunny situation and free draining sandy soil.	CCB-T2	Enhance 1ha	HBC
CCB-A2 Liaise with local experts and organise a survey at Birk Crag between April – June and report findings.	CCB-T1	Survey one site	HBC
CCB-A3 Liaise with local experts and organise a survey at Ravensgill between April – June.	CCB-T1	Survey one site	HBC
CCB-A4 Liaise with Action for Invertebrates (UKBAP lead agency on this species).	CCB-T1, T2	Contact lead agency once	HBC

Bats

Nº.	Long term target	Target goal	Lead organisation
B-T1	Increase our knowledge of the known resource of all species of bat.	Establish the extent of bat populations in 6 parishes	NYBG
B-T2	Promote the nature conservation value of bats to specialist staff (e.g. architects, engineers, tree officers, etc)	Organise one promotional event	HBC
B-T3	Promote the nature conservation of bats to the public and landowners.	Organise one promotional event	NYBG
B-T4	Develop a policy or system, to ensure that bat surveys are carried out on all Council properties prior to building work.	Organise one internal policy or system	HBC
B-T5	Increase the number of bat roosts.	Create 5 occupied sites	NYBG

Nº.	Action	Link to target	Action goal	Responsibility
B-A1	Survey for bats.	B-T1	Survey two parishes	NYBG
B-A2	Locate and survey underground sites to establish extent of resource available for hibernating bats.	B-T1 parishes	Survey two	NYBG
B-A3	Promote participation in the National Bat Monitoring Programme to householders.	B-T1	Survey 15 roosts	NYBG, BCT
B-A4	Promote the importance and management of mature trees for roosting bats, to arboriculturalists, contractors and council staff, and the importance of buildings for bats, to architects, engineers, planners and developers.	B-T2,T5	Create five occupied sites	HBC
B-A5	Organise the production of a media article on the nature conservation importance of bats.	B-T3	Deliver two articles	NYBG
B-A6	Survey local authority buildings and bridges for Bats prior to building work and then protect any bat interest.	B-T4	Maintain 25 occupied sites	NYCC, HBC
B-A7	Develop and implement effective policy to request surveys in connection with Development Control, in order to minimise the risk of roost loss during development.	B-T3	Deliver one policy	EN, NYBG, NYCC, HBC

