

**BIODIVERSITY ACTION PLAN  
FOR HAMPSHIRE**

**VOLUME TWO**

**HAMPSHIRE BIODIVERSITY PARTNERSHIP**

# HAMPSHIRE BIODIVERSITY PARTNERSHIP

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## BIODIVERSITY ACTION PLAN FOR HAMPSHIRE

Basingstoke and Deane Borough Council  
British Trust for Conservation Volunteers  
Butterfly Conservation  
Country Landowners Association  
Countryside Agency  
East Hampshire District Council  
Eastleigh Borough Council  
English Nature  
Environment Agency  
Fareham Borough Council  
Farming and Rural Conservation Agency  
Farming and Wildlife Advisory Group  
Forest Enterprise  
Forestry Commission  
The Game Conservancy Trust  
Gosport Borough Council  
Government Office for the South East  
Hampshire Association of Parish and Town Councils  
Hampshire Business Environment Forum  
Hampshire County Council  
Hampshire Ornithological Society  
Hampshire Wildlife Trust  
Hart District Council  
Havant Borough Council  
Ministry of Agriculture, Fisheries and Food  
Ministry of Defence  
National Farmers Union  
New Forest District Council  
Portsmouth City Council  
Royal Society for the Protection of Birds  
Rushmoor Borough Council  
Southampton City Council  
Test Valley Borough Council  
Winchester City Council

- The following organisations have contributed to the cost of producing this Plan: Hampshire County Council, Environment Agency, Hampshire Wildlife Trust and English Nature.
- Individual action plans have been prepared by working groups involving many organisations and individuals - principal authors are acknowledged in each plan. The preparation of Habitat Action Plans has been co-ordinated by Hampshire County Council, and Species Action Plans by the Hampshire Wildlife Trust.
- Volume Two has been edited and compiled by Jacklyn Johnston, Consultant, on behalf of the Hampshire Biodiversity Partnership.

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# FOREWORD

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**BIODIVERSITY  
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Commitment to biodiversity in Hampshire has grown remarkably since the publication of Volume One of the *Biodiversity Action Plan for Hampshire*. Specific projects for biodiversity have been initiated, district level biodiversity action plans are emerging, and topic groups are developing priority initiatives such as raising education, awareness and involvement and the development of biological recording.

Both the European Commission and the UK Biodiversity Secretariat have shown considerable enthusiasm for the approach taken to conserve biodiversity in Hampshire. For example, the Environment Directorate of the European Commission has co-funded a project investigating indicators for measuring the influence of European policies on biodiversity in Hampshire.

As local biodiversity action plans have evolved in recent years, so too has a greater realisation of their central role in delivering the UK Biodiversity Programme. The UK Biodiversity Secretariat is looking at ways of providing greater support for local biodiversity action plans and harnessing their capacity to help achieve the aims of the UK Programme.

The publication of Volume Two of the *Biodiversity Action Plan for Hampshire* marks an important stage in Hampshire's biodiversity programme. Volume Two contains detailed Habitat, Species and Topic Action Plans.

Each individual action plan has been prepared by a working group involving many organisations. The plans have been subject to extensive consultation to ensure that they are widely supported. Proposed actions set out in the plans are comprehensive, include specific targets, and present a considerable challenge.

In time, many more plans will be added to this volume. This is a working document that will help to direct conservation action and assist co-ordination of effort, so that we can all best achieve our aim of conserving biodiversity in Hampshire.



Lord Selborne

**July 2000**

# INTRODUCTION

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The *Biodiversity Action Plan for Hampshire: Volume One*, published in September 1998 by the Hampshire Biodiversity Partnership, sets out strategic action for biodiversity within the county.

This second volume includes detailed action plans for individual habitats and species of priority concern, and specific topics such as 'water management' and 'education and awareness' that have a considerable influence on biodiversity conservation.

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## **Biodiversity Action Plan for Hampshire – Volume One**

- sets out the objectives of the Hampshire Biodiversity Partnership
- explains the Biodiversity Action Plan for Hampshire in the context of the UK Biodiversity Programme
- describes Hampshire's biodiversity
- identifies habitats and species of priority concern and explains how detailed action plans will be prepared and implemented
- reviews important issues that affect biodiversity in Hampshire and sets out the need for topic action plans
- promotes a strategy for managing information and data
- promotes a strategy for raising awareness of biodiversity and encouraging involvement in biodiversity conservation
- sets out specific action to be undertaken by the Hampshire Biodiversity Partnership

## **BIODIVERSITY ACTION PLAN FOR HAMPSHIRE VOLUME TWO**

This volume contains action plans for:

- priority habitats
- priority species
- topics influencing biodiversity.

Each habitat, species or topic action plan will:

- identify broad objectives and targets
- identify specific actions to be undertaken
- identify lead agencies and other partners for delivery of each action
- set specific dates for delivery of action
- provide a reference point for monitoring progress
- be updated periodically
- be fully reviewed every five years together with the strategic action in Volume One.

## **HABITAT ACTION PLANS, SPECIES ACTION PLANS AND TOPIC ACTION PLANS**

### ***Purpose and Scope of the Action Plans***

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The overall aim of the habitat and species action plans and topic action plans is to achieve the successful conservation of biodiversity in the county. At the same time, the plans will effectively contribute to securing national objectives and targets in biodiversity.

The plans are a direct result of the strategy for biodiversity set out in Volume One of the *Biodiversity Action Plan for Hampshire*. They provide detailed plans of action and are the main working documents for those involved in conserving biodiversity.

The action plans set the conservation direction, outline priorities and present challenges to many organisations and sectors. They integrate previous and ongoing work, and amalgamate proposals and approaches adopted in other relevant plans and strategies. In turn, the action plans will help to refine, develop and implement these other initiatives. The plans set out action required at a variety of levels, from practical action at the local level to the influence of national policy and programmes.

### ***Plan Preparation***

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Each action plan has been prepared by a working group or lead agency. Each has involved widespread consultation within and beyond the Hampshire Biodiversity Partnership, including all organisations that will be involved in carrying out actions identified in the plan.

The plans have been prepared by consensus to encourage each organisation to play a full part. This should help to achieve effective implementation. Each plan is comprehensive, forward thinking and has been widely supported during its preparation.

### ***Implementation and Monitoring***

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The plans clearly identify the agencies for delivery of each action and the proposed timescale. Organisations can identify the actions relevant to them, and incorporate these into their own work programmes.

Some actions will be best undertaken by forums or groups rather than a single organisation. Several existing groups are well-placed to carry out particular actions and monitor progress. Implementation of other actions will require the establishment of new partnerships and projects. A high degree of collaborative effort will be needed.

The Hampshire Biodiversity Partnership will develop a strategy to promote the implementation of the plans, monitor progress and track their influence on the conservation of biodiversity in the county.

## HABITAT AND SPECIES ACTION PLANS

### *Biodiversity Audit and Selection of Habitat and Species Action Plans*

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The Hampshire Biodiversity Partnership has undertaken an audit of habitats and species to determine their extent and distribution. This has enabled the identification of priority habitats and species. For a full description of the biodiversity of Hampshire and the criteria used for selecting key habitats and priority species, see Chapter 3 in Volume One of the *Biodiversity Action Plan for Hampshire*.

- **Habitat action plans** (HAPs) will be prepared for the 22 key habitats listed in Table 1.
- **Species action plans** (SAPs) will be prepared for the 43 priority species listed in Table 2a. There will also be 3 'grouped' SAPs prepared, and these will cover an additional 25 priority species (see Table 2b).

The criteria for selecting which priority species require an individual species action plan are explained in the section 'Strategy for Priority Species' below. A complete list of priority species in Hampshire is given in Tables 4 and 5.

### *Plan Format*

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Habitat and species action plans follow a standard format. Each plan:

- describes the importance, distribution, extent and status of the habitat/species
- audits current factors affecting the habitat/species
- identifies current action for the habitat/species
- sets **objectives** and targets to assist the conservation of the habitat/species
- sets out **proposed actions** to meet the objectives

#### **Objectives of Habitat and Species Action Plans**

##### Habitats

- Ensure no further loss or degradation of the habitat
- Increase the extent of the habitat
- Improve the quality of the habitat
- Ensure the requirements of all priority species associated with the habitat are met
- Improve knowledge of the habitat, through survey, research and monitoring
- Ensure appropriate provision of information and communication

##### Species

- Maintain existing populations of the species
- Enhance the status of the species in Hampshire
- Improve knowledge and understanding of the species through survey, research and monitoring
- Promote communication, education and awareness of the status and needs of the species

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### **Proposed Actions**

The proposed actions in each **habitat action plan** are grouped under the following subjects:

- Habitat protection
- Habitat management, incentive schemes and other resources
- Species action
- Survey, research and monitoring
- Communication and publicity

The proposed actions in each **species action plan** are grouped under the following subjects:

- Site and species protection
- Site and species management
- Survey, research and monitoring
- Communication and publicity

For each proposed action in both habitat and species action plans the following are identified:

- Key partner responsible for implementation
- Other organisations to be involved in implementation
- Dates for delivery

The proposed actions in each plan are intended to be comprehensive, although further actions may be identified and implemented within the life of the plan. Proposed actions include existing action that should be continued or developed, and action that is new and requires initiation.

### ***Strategy for Priority Species***

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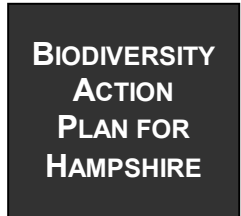
The list of priority species in Hampshire currently stands at 493 species. Over 200 of these are also priority species in the UK biodiversity programme. The Hampshire priority list is presented in full in Table 4 (present species) and Table 5 (species considered extinct) and is summarised below.

	<b>Hampshire Priority List</b>	<b>UK Priority List</b>
Present/possibly present	424 (Table 4)	150
Extinct/probably extinct/vagrants	69 (Table 5)	51
<b>Total</b>	<b>493</b>	<b>201</b>

The priority list of species has been updated since the publication of Volume One of the Biodiversity Action Plan. A number of species have been added to the list, including additional species from the UK priority list with records in Hampshire.

Action for most of the priority species listed in Table 4 will be catered for by implementing the proposed actions in relevant habitat action plans, although some species have particular needs which cannot be catered for within HAPs. The following criteria have been used to identify those species that require an individual or grouped species action plan.

<b>Species Action Plan Criteria</b>	
A	Mosaic, landscape species, dependent on many habitats
B	High profile or indicator species
C	Very specialised species not sufficiently catered for in HAPs
D	Severely threatened species
E	Species where Hampshire has a very significant proportion of the national resource, or, species restricted to Hampshire



In addition, some species have been grouped together into a single 'grouped' SAP rather than dealing with each individually, due to their similar ecology, similar threats and/or similar actions required (Table 2b). In Tables 4 and 5, each species with a Hampshire SAP is shown with a 'yes' in the relevant column, and those with a grouped SAP are shown as 'yes (g)'.

National species action plans and other plans such as Butterfly Conservation Regional Action Plans also form part of the overall strategy for conserving priority species. The proposed action in these plans will also help guide action for species in Hampshire.

### ***Action for Species in Habitat Action Plans***

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Most species are principally associated with a single habitat type and have secondary associations with perhaps one or two other habitat types. Tables 4 and 5 indicate the primary (1<sup>o</sup>) habitat and secondary (2<sup>o</sup>) habitat/s with which each species is associated. Most species will be mainly catered for by action in the habitat action plan listed as the primary habitat.

Each HAP contains three tables relevant to action for species:

- 1 **Priority species found primarily in the habitat.** This table also includes details of distribution in Hampshire, ecology of the species, specific management requirements, whether the species is the subject of an individual SAP, and an indication of other relevant plans such as a UK SAP.
- 2 **Priority species thought to be extinct in Hampshire but primarily associated with the habitat.** This table also includes information on the ecology of the species, distribution, specific management requirements and whether there are additional relevant plans.
- 3 **Priority species found primarily in other habitats but which also occur in the habitat.** This table indicates the primary HAP for each species and whether the species is the subject of an individual SAP.

Action specified in HAPs for the protection and management of the habitat will be generally supportive of the needs of most priority species associated with the habitat. Nevertheless, it will be important to ensure that particular requirements of priority species are catered for.

Tables 1 and 2 in Appendix 1 of each habitat action plan provides useful information to guide specific site management for individual species. Site managers should identify any priority species on their land to ensure that the habitat management undertaken also caters for the needs of these species. There is also an important role for conservation advisors working in

the wider countryside, to promote the needs of relevant species to landowners and secure favourable management for them.

Recognising the specific management requirements of different species will minimise conflict between general action for habitats and specific action for particular species. Where priority species are restricted to Hampshire or occur in very few sites, detailed site management plans for the species will be needed to ensure their successful conservation.

## **TOPIC ACTION PLANS**

Volume One of the *Biodiversity Action Plan for Hampshire* set out the need for strategies or plans to deal with wider issues influencing biodiversity such as water management, agriculture and development. A definitive list of issues that require individual action plans has not been produced: the need for topic plans will be reviewed on an ongoing basis, taking account of the extent to which the issues are addressed in plans prepared by relevant organisations or forums. In some cases it will be better to influence other strategies and plans, rather than prepare an independent plan.

Volume One also set out the need for programmes to develop awareness and involvement in conserving biodiversity, and for ensuring adequate data and data management to support the biodiversity programme. Topic Plans aimed at raising awareness, involvement and education, and for developing biological recording, will be added to Volume Two.

**TABLE 1: HABITAT ACTION PLANS (July 2000)**

HABITAT		PUBLISHED
1	Ancient Semi-natural Woodland	July 2000
2	Pasture Woodland, Parkland	
3	Hedgerows	July 2000
4	Arable Land	July 2000
5	Unimproved Neutral Dry Grassland, Hay Meadows	
6	Lowland Calcareous Grassland	July 2000
7	Lowland Wet Grassland	July 2000
8	Heathland, Acid Grassland and Bog	
9	Fen, Carr, Marsh, Swamp, Reedbeds	
10	Open Standing Water	
10a	Ephemeral Ponds	
11	Chalk Streams	July 2000
11a	Rivers and Streams**	
12	Canals	
13	Maritime Cliffs	
14	Shingle	
15	Saltmarsh	
16	Coastal Grazing Marsh	
17	Sand Dunes	
18	Mudflats and Eelgrass Beds	
19	Saline Lagoons	
20	Road Verges	
21	Urban	
22	Marine	
New Forest – A separate Topic Action Plan will be prepared to cover habitats in the New Forest		
** This habitat is covered by the Water and Biodiversity Topic Action Plan		

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**TABLE 2a: SPECIES ACTION PLANS – INDIVIDUAL (July 2000)**

Scientific name	Common name	Group	Hants SAP?	Published
<i>Bufo calamita</i>	natterjack toad	Amphibians	yes	
<i>Triturus cristatus</i>	great crested newt	Amphibians	yes	
<i>Hirudo medicinalis</i>	medicinal leech	Annelids	yes	
<i>Gnorimus nobilis</i>	noble chafer	Beetles	yes	
<i>Lucanus cervus</i>	stag beetle	Beetles	yes	
<i>Pachytychius haematocephalus</i>	a weevil	Beetles	yes	
<i>Alauda arvensis</i>	skylark	Birds	yes	
<i>Branta bernicla bernicla</i>	dark-bellied brent goose	Birds	yes	
<i>Burhinus oediconemus</i>	stone curlew	Birds	yes	
<i>Cettia cetti</i>	Cetti's warbler	Birds	yes	
<i>Passer montanus</i>	tree sparrow	Birds	yes	
<i>Turdus philomelos</i>	song thrush	Birds	yes	
<i>Boloria euphrosyne</i>	pearl-bordered fritillary	Butterflies	yes	
<i>Eurodryas aurinia</i>	marsh fritillary	Butterflies	yes	
<i>Hamearis lucina</i>	Duke of Burgundy	Butterflies	yes	
<i>Hesperia comma</i>	silver-spotted skipper	Butterflies	yes	
<i>Austropotamobius pallipes</i>	white-clawed crayfish	Crustaceans	yes	July 2000
<i>Coenagrion mercuriale</i>	southern damselfly	Dragonflies	yes	July 2000
<i>Lycopodium clavatum</i>	stags-horn clubmoss	Ferns	yes	
<i>Asilus crabroniformis</i>	hornet robberfly	Flies	yes	
<i>Cephalanthera rubra</i>	red helleborine	Flw Plants	yes	
<i>Dianthus armeria</i>	Deptford pink	Flw Plants	yes	
<i>Filago lutescens</i>	red-tipped cudweed	Flw Plants	yes	
<i>Lobelia urens</i>	heath lobelia	Flw Plants	yes	
<i>Petrorhagia nanteuillii</i>	Childing pink	Flw Plants	yes	
<i>Boletus satanas</i>	Devil's bolete	Fungi	yes	
<i>Arvicola terrestris</i>	water vole	Mammals	yes	July 2000
<i>Barbastellus barbastellus</i>	barbastelle bat	Mammals	yes	
<i>Eptesicus serotinus</i>	serotine bat	Mammals	yes	
<i>Lutra lutra</i>	otter	Mammals	yes	July 2000
<i>Muscardinus avellanarius</i>	dormouse	Mammals	yes	
<i>Myotis bechsteinii</i>	Bechstein's bat	Mammals	yes	July 2000
<i>Pipistrellus pipistrellus</i>	pipistrelle bat	Mammals	yes	July 2000
<i>Rhinolophus ferrumequinum</i>	greater horseshoe bat	Mammals	yes	
<i>Valvata macrostoma</i>	large mouthed valve snail	Molluscs	yes	
<i>Acosmetia caliginosa</i>	reddish buff	Moths	yes	
<i>Cucullia lychnitis</i>	striped lychnis	Moths	yes	
<i>Cyclophora pendularia</i>	dingy mocha	Moths	yes	
<i>Pareulype berberata</i>	barberry carpet	Moths	yes	
<i>Trichopteryx polycommata</i>	barred tooth-striped	Moths	yes	
<i>Coronella austriaca</i>	smooth snake	Reptiles	yes	
<i>Chrysis fulgida</i>	a ruby-tailed wasp	Wasps	yes	
<i>Crossocerus vagabundus</i>	a wasp	Wasps	yes	

**TABLE 2b: SPECIES ACTION PLANS – GROUPED (JULY 2000)**

Scientific name	Common name	Group	Hants SAP?	Published
<b>Bumble bees:</b>				
<i>Bombus humilis</i>	brown-banded carder bee	Bees	yes (g)	
<i>Bombus ruderalis</i>	large garden bumble bee	Bees	yes (g)	
<i>Bombus sylvarum</i>	shrill carder bee	Bees	yes (g)	
<b>New Forest tooth fungi:</b>				
<i>Hericium coralloides</i>	coral fungus	Fungi	yes (g)	
<i>Hericium erinaceus</i>	hedgehog fungus	Fungi	yes (g)	
<i>Hydnellum concrescens</i>	a tooth fungus	Fungi	yes (g)	
<i>Hydnellum spongiosipes</i>	a tooth fungus	Fungi	yes (g)	
<i>Phellodon confluens</i>	a tooth fungus	Fungi	yes (g)	
<i>Phellodon melaleucus</i>	a tooth fungus	Fungi	yes (g)	
<i>Phellodon niger</i>	a tooth fungus	Fungi	yes (g)	
<i>Sarcodon scabrosus</i>	a tooth fungus	Fungi	yes (g)	
<b>New Forest epiphytic lichens:</b>				
<i>Agonimia allobata</i>	a lichen	Lichens	yes (g)	
<i>Agonimia octospora</i>	a lichen	Lichens	yes (g)	
<i>Bacidia incompta</i>	a lichen	Lichens	yes (g)	
<i>Caloplaca luteoalba</i>	orange-fruited elm-lichen	Lichens	yes (g)	
<i>Catillaria laureri</i>	Laurer's catillaria	Lichens	yes (g)	
<i>Enterographa elaborata</i>	New Forest beech lichen	Lichens	yes (g)	
<i>Enterographa soredata</i>	a lichen	Lichens	yes (g)	
<i>Lobaria virens</i>	a lichen	Lichens	yes (g)	
<i>Opegrapha fumosa</i>	a lichen	Lichens	yes (g)	
<i>Parmelia minarum</i>	New Forest parmelia	Lichens	yes (g)	
<i>Phyllopsora rosei</i>	a lichen	Lichens	yes (g)	
<i>Rinodina isidioides</i>	a lichen	Lichens	yes (g)	
<i>Strigula stigmatella</i>	a lichen	Lichens	yes (g)	
<i>Zamenhofia rosei</i>	Francis' blue-green lichen	Lichens	yes (g)	



**TABLE 3: TOPIC ACTION PLANS UNDER PREPARATION (July 2000)**

TOPIC	PUBLISHED
Education, Awareness and Involvement	---
Water and Biodiversity	---

**TABLE 5: PRIORITY SPECIES IN HAMPSHIRE – CONSIDERED EXTINCT**

Scientific name	Common name	Group	County occurrence	Significance of Hants population	Decline	Local Rarity	Threat	1° HAP	2° HAPs	Hants SAP?	SAP Criteria	Priority (UK/ Local)
<i>Chara baltica</i>	Baltic stonewort	Algae	x?	-	-	-	-	19	-	no	-	P
<i>Nitellopsis obtusa</i>	starry stonewort	Algae	x	-	-	-	-	19	-	no	-	P
<i>Armandia cirrhosa</i>	lagoon sandworm	Annelids	x?	RH	Rapid Decline	Rare	High	19	-	no	-	P
<i>Formica exsecta</i>	narrow-headed ant	Ants	x?	Is	Rapid Decline	Rare	High	8	1	no	-	P
<i>Andrena ferox</i>	a mining bee	Bees	x?	Is	-	Rare	High	nf1	nf8	no	-	P
<i>Andrena gravida</i>	a mining bee	Bees	x?	Is	-	Rare	High	8	5	no	-	P
<i>Anthophora retusa</i>	potter flower bee	Bees	x?	NS? (IOW only)	Rapid Decline	Rare	High	8	13	no	-	C
<i>Lasioglossum pauperatum</i>	a mining bee	Bees	x?	-	-	-	-	8	6,13,17	no	-	C
<i>Lasioglossum sexnotatum</i>	a mining bee	Bees	x	-	-	-	-	8	?	no	-	C
<i>Melecta luctosa</i>	a solitary bee	Bees	x	NS	Rapid Decline	Rare	High	8	13	no	-	BC
<i>Nomada sexfasciata</i>	a cuckoo bee	Bees	x	-	-	-	-	13	8	no	-	C
<i>Nomada xanthosticta</i>	a cuckoo bee	Bees	x	-	Rapid Decline	Rare	-	1	5,8	no	-	P
<i>Osmia xanthomelana</i>	a mason bee	Bees	x	-	-	-	-	13	-	no	-	P
<i>Amara famelica</i>	a ground beetle	Beetles	x	-	Decline	-	-	8	-	no	-	P
<i>Anisodactylus poeciloides</i>	a ground beetle	Beetles	x	-	Decline	Rare	-	15	16	no	-	P
<i>Badister peltatus</i>	a ground beetle	Beetles	x	-	-	-	-	7	9	no	-	P
<i>Carabus intricatus</i>	a ground beetle	Beetles	x	-	-	-	-	1	-	no	-	P
<i>Ceutorhynchus verrucatus</i>	a weevil	Beetles	x?	-	-	-	-	14	-	no	-	C
<i>Cicindela germanica</i>	a tiger beetle	Beetles	x	-	Decline	Rare	High	13	-	no	-	P
<i>Cryptocephalus nitidulus</i>	a leaf beetle	Beetles	x	-	-	-	-	1	6	no	-	P
<i>Donacia aquatica</i>	a reed beetle	Beetles	x	-	-	-	-	9	-	no	-	P
<i>Dromius quadrisignatus</i>	a ground beetle	Beetles	x	-	Decline	-	-	1	2	no	-	P
<i>Dyschirius angustatus</i>	a ground beetle	Beetles	x	-	Decline	-	-	15	16,17	no	-	P
<i>Harpalus dimidiatus</i>	a ground beetle	Beetles	x	-	-	-	-	6	-	no	-	P
<i>Harpalus parallelus</i>	a ground beetle	Beetles	x	-	-	-	-	6	13	no	-	P
<i>Hydroporus ruffifrons</i>	a water beetle	Beetles	x?	-	Decline	-	-	9	-	no	-	P
<i>Lebia cyanocephala</i>	a ground beetle	Beetles	x	-	-	-	-	6	-	no	-	C
<i>Lionychus quadrillum</i>	a ground beetle	Beetles	x	-	Decline	-	-	14	15	no	-	P
<i>Pterostichus aterrimus</i>	a ground beetle	Beetles	x?	NS	Rapid Decline	Rare	-	8	-	no	-	P
<i>Rhynchaenus testaceus</i>	a jumping weevil	Beetles	x	-	-	-	-	9	-	no	-	P
<i>Tachys edmondsi</i>	a ground beetle	Beetles	x?	RH	-	Rare	-	8	-	no	-	P
<i>Crex crex</i>	corncrake	Birds	x b 1 p	-	-	-	-	5	7,16	no	-	P
<i>Emberiza cirius</i>	cirl bunting	Birds	x	-	-	-	-	4	3,5	no	-	P
<i>Jynx torquilla</i>	wryneck	Birds	x b 1 p	-	-	-	-	2	-	no	-	P

Scientific name	Common name	Group	County occurrence	Significance of Hants population	Decline	Local Rarity	Threat	1° HAP	2° HAPs	Hants SAP?	SAP Criteria	Priority (UK/Local)
<i>Lanius collurio</i>	red-backed shrike	Birds	x b 1 p	-	Rapid Decline	Rare	High	8	4,5,6	no	-	P
<i>Tetrao tetrix</i>	black grouse	Birds	x	-	-	-	-	8	-	no	-	P
<i>Leptodontium gemmascens</i>	thatch moss	Bryophytes	x	-	-	-	-	9	7	no	-	P
<i>Argynnis adippe</i>	high brown fritillary	Butterflies	x?	-	Rapid Decline	-	-	1	8	no	-	P
<i>Leptidea sinapis</i>	wood white	Butterflies	x	-	-	-	-	1	-	no	-	C
<i>Decticus verrucivorus</i>	wart-biter	Crickets	x?	-	-	-	-	6	8	no	-	P
<i>Gryllus campestris</i>	field cricket	Crickets	x?	RI	Rapid Decline	Rare	High	6	8	no	-	P
<i>Allomelita pellucida</i>	a brackish water crustacean	Crustaceans	x?	-	-	-	-	19	-	no	-	C
<i>Alosa alosa</i>	allis shad	Fishes	x?	-	-	-	-	22	11	no	-	P
<i>Alosa fallax</i>	Twaite shad	Fishes	x?	-	-	-	-	22	11	no	-	P
<i>Chrysotoxum vernale</i>	a hoverfly	Flies	x?	Is	Rapid Decline	Rare	High	8	-	no	-	L
<i>Eristalis cryptarum</i>	a hoverfly	Flies	x	Is	Rapid Decline	Rare	High	8	-	no	-	P
<i>Poecilobothrus ducalis</i>	a fly	Flies	x?	-	-	-	-	19	16	no	-	C
<i>Bromus interruptus</i>	interrupted brome	Flw Plants	x	-	-	-	-	4	5	no	-	P
<i>Damasonium alisma</i>	starfruit	Flw Plants	x	-	-	-	-	10a	8	no	-	P
<i>Filago pyramidata</i>	broad-leaved cudweed	Flw Plants	x?	-	-	-	-	4	6	no	-	P
<i>Galium tricornutum</i>	corn cleavers	Flw Plants	x	-	-	-	-	4	6	no	-	P
<i>Sium latifolium</i>	greater water-parsnip	Flw Plants	x?	-	-	-	-	9	10	no	-	P
<i>Caloplaca luteoalba</i>	orange-fruited elm-lichen	Lichens	x?	-	-	-	-	2	3	yes (g)	C E	P
<i>Limax tenellus</i>	slender slug	Molluscs	x	Is	Decline	Rare	High	1	-	no	-	C
<i>Segmentina nitida</i>	shining ram's-horn snail	Molluscs	x?	-	Rapid Decline	Rare	High	7	9,10	no	-	P
<i>Archanara algae</i>	rush wainscot	Moths	x?	-	-	Rare	High	9	10,11,12	no	-	C
<i>Athetis palustris</i>	marsh moth	Moths	x?	-	-	-	-	9	5,7	no	-	P
<i>Bembecia chrysidiformis</i>	fiery clearwing	Moths	x	-	-	-	-	13	-	no	-	P
<i>Chesias rufata</i>	broom-tip	Moths	x?	-	-	-	-	8	-	no	-	C
<i>Hydrelia sylvata</i>	waved carpet	Moths	x?	Wi/Is	Stable (poss. extinct.)	Rare	Low	1	2	no	-	P
<i>Myelois cirrigerella</i>	a pyralid moth	Moths	x	NS	Extinct?	-	-	6	-	no	-	L
<i>Orgyia recens</i>	scarce vapourer	Moths	x	-	-	-	-	1	-	no	-	C
<i>Pelosia muscerda</i>	dotted footman	Moths	x	-	-	-	-	8	9	no	-	C
<i>Dipoena melanogaster</i>	a spider	Spiders	x	-	-	-	-	8	-	no	-	C
<i>Oxyopes heterophthalmus</i>	a spider	Spiders	x	-	-	-	-	8	-	no	-	C
<i>Pistius truncatus</i>	a crab spider	Spiders	x	-	-	-	-	1	-	no	-	C
<i>Xysticus luctator</i>	a crab spider	Spiders	x?	-	-	-	-	8	1	no	-	C
<i>Hydrometra gracilentata</i>	lesser water measurer	True Bugs	x?	Is	Decline	Rare	-	10	9	no	-	P
<i>Cerceris quinquefasciata</i>	a ruby-tailed wasp	Wasps	x	-	-	-	-	8	13	no	-	P