

**BIODIVERSITY REPORTING AND INFORMATION
GROUP**

**Report on the
Species and Habitat Review**

Report to the UK Biodiversity Partnership

JUNE 2007

CONTENTS

EXECUTIVE SUMMARY	3
INTRODUCTION	4
ORGANISATION OF WORK	
Stage 1 – Scientific Assessment of Conservation Status	4
Review Criteria	
Terrestrial & Freshwater Species	5
Terrestrial & Freshwater Habitats	5
Marine Species and Habitats	5
Stage 2 – Determination of Delivery Mechanisms	6
Introduction	6
Signposting	6
Geographic extent	7
RESULTS	
List of Habitats	8
List of Species.....	10
Geographical extent by country	10
Top action categories	11
Action category statistics	11
ANNEXES	
Annex 1 Groups, contacts and numbers consulted in the Species and Habitat Review	74
Annex 2 Current UK BAP species to be removed from the UK BAP list	75
Annex 3 Details of the criteria used to select the UK List of Priority Species & Habitats	78
Annex 4 Summary of changes made to the priority habitat list	82
Annex 5 Terrestrial & Freshwater Habitat detailed report.....	87
Annex 6 Acknowledgements	162

EXECUTIVE SUMMARY

The aim of the Species and Habitat Review is to ensure that the UK BAP remains focussed on the correct priorities for action and takes account of changes in the status of UK biodiversity in addition to new information and knowledge.

The review comprises two stages of work that were overseen by two working groups of the Biodiversity Reporting and Information Group. The Priority Species and Habitats Review Working Group dealt with initial planning and stage 1 work to select a UK BAP list of Species and Habitats. The Priorities Review Group then dealt with stage 2 work to 'signpost' species on this list to identify types of action and consider the functions necessary to deliver habitat action.

The species and habitats were selected through the application of criteria based on international importance, rapid decline and high risk. These criteria and their application were then further developed separately for marine biodiversity, terrestrial/freshwater species and terrestrial/freshwater habitats in recognition of the very different forms of information and knowledge available for these three groupings. The three groupings were maintained for the signposting exercise in stage 2.

A huge number of individuals and organisations have been involved in the two stages of this work. The acknowledgements list over 500 people which is certainly a conservative estimate and all of these contributed a large amount of high quality expertise and information to extremely demanding deadlines not once but several times.

The UK List of Priority Species and Habitats presented in this paper contains 1149 species and 65 habitats (Tables 1 & 2). The current list of UK BAP priority species, identified nearly 10 years ago, includes 577 species through a combination of species action plans, grouped species plans and species statements. The majority of these species have been reselected but 123 are now excluded from the UK priority list of species and habitats (Table 3). The species have been selected against objective criteria also shown in the table, incorporating judgements as to international responsibility, population decline, and threat through an inclusive process of proposal and examination for terrestrial and freshwater species, and a consultancy with subsequent review for marine species. The list does not identify degrees of priority – species are either included, or not. All original UK BAP habitats have been reselected and additional habitats have raised terrestrial habitats from 32 to 40 and marine habitats from 17 to 25.

For each of the 1149 species up to three priority actions and some additional supporting actions were identified by species experts and these were then 'signposted' to a broad means of implementation by the Priorities Review Group. These were research, additional surveillance & monitoring, wider actions, improvements in priority habitat extent or condition, site specific action (at named sites), conservation management to benefit the single species, or legal protection.

A total of 124 species require only research and/or monitoring, 496 species require actions at the priority habitat level, and 403 species require actions specific to the species or to a number of named sites. This last figure is smaller than the number currently covered by Species Action Plans. A breakdown is given for the "wider action" category, including agricultural measures, forestry management, agro-chemical control, landscape-scale projects, and water/water quality management.

The new list of habitats contains 65 priority habitats, up from 49. It covers marine habitats as well as terrestrial and freshwater ones. The process of arriving at these has been more complex than for the species, as habitats have to be defined as well as classified according to their priority status. Nevertheless every attempt has been made to follow objective criteria, as with the species list. All existing priority habitats are included in the new list.

The UK List of Priority Species and Habitats is presented in this report in Tables 1 and 2. The Priorities Species and Habitats Review Working Group and the Priorities Review Group recommend that this list is accepted and that the initial signposting, also presented in this report, is continued in an iterative and transparent manner.

INTRODUCTION

The aim of the Species and Habitat Review was to ensure that the UK BAP remained focussed on the correct priorities for action. The original UK BAP list of species and habitats are at least 10 years old. Given the importance of the UK BAP in stimulating action and mobilising resources, it is important that these lists are periodically reviewed. This is the first full review of the UK BAP list and it is an opportunity to take into account emerging priorities, conservation successes, and the large amount of new information that has been gathered over the past decade. In addition, there are a number of new drivers, such as devolution, concern from Government over the number of action plans, 2010 targets *etc.*, that require consideration.

The Species and Habitat Review was coordinated by the Biodiversity Reporting and Information Group (BRIG), in association with the Review of Marine Nature Conservation (RMNC) and JNCC's Species Status Assessment programme, on behalf of the UK Biodiversity Partnership Standing Committee (the Standing Committee). The work was divided into two stages; the first was co-ordinated by the Priority Species and Habitats Review Working Group under the chair of Joanna Drewitt from Scottish Executive followed by Gy Ovenden from the Rural Development Service. The second stage was co-ordinated by the Priorities Review Group chaired by Steve Lee-Bapty from Defra. Planning started in late 2003 and guidance notes (<http://www.ukbap.org.uk/bapgrouppage.aspx?id=102>) were sent to taxon and habitat specialists in April 2005.

The review of the UK BAP species and habitats was overseen by BRIG as directed by the UK Biodiversity Partnership Standing Committee in April 2003. A process for the review of UK BAP species and habitats was discussed by the Standing Committee in March 2005 and progress updates were given to the Standing Committee at each meeting. At their last meeting in October 2006 the Standing Committee received a report on the nearly completed first stage of work to agree a revised list of UK BAP priority species and habitats. Early work and illustrative examples on the second phase of work to 'signpost' species to delivery mechanisms was also presented to the Standing Committee and was well received. BRIG's Priorities Review Group, that was overseeing stage 2, met five times and initial signposting has been completed for the 1114 (97%) species on the UK BAP List of Species and Habitats agreed by the Priority Species and Habitats Review Working Group. The finished stage 1 and stage 2 work is presented to the Standing Committee in this paper. Less progress has been made on success criteria than proposed to the Standing Committee in October 2006. Success criteria remain as one of the elements of work that needs to continue but the Priorities Review Group do not believe the lack of success criteria detracts from the understanding and use of the list and initial signposting.

This report presents the UK List of Priority Species and Habitats and the draft signposting of these species.

ORGANISATION OF WORK

The review of species and habitats comprised two stages. Stage 1 looked at the scientific evidence for selecting the UK List of Priority Species and Habitats while stage 2 considered the conservation action needed for these species and habitats and provided signposts to the means of implementing action. Stage 2 is iterative and further development of the means for implementing action and measuring the success of the action is still required.

Stage 1 - Scientific Assessment of Conservation Status Review Criteria

Species and habitats in the UK that met agreed scientific criteria were placed on the UK List of Priority Species and Habitats. There was an emphasis on gathering as much quantitative data in support of these criteria as was possible. However, it was recognised that some groups had more quantitative data than others. Notwithstanding this, the review used the best available information that could pass scientific scrutiny.

There were fundamental principles underlying the criteria used to select species or habitats; international importance, high risk or rapid decline, and habitats that were important for key species. All species and habitats occurring in the UK, including current UK BAP priorities, were eligible for consideration. To ensure that a wide range of experts were consulted, a number of expert groups led by contacts were established (Annex 1). The nine expert groups, who formed an essential part of the Species and Habitat Review, involved in excess of 500 experts (Annex 6).

Because of differences among them, three broad groups were identified for stage 1; marine species and habitats, terrestrial/freshwater habitats and terrestrial/freshwater species (Annex 1) which were merged during stage 2). The marine species and habitats were involved in a separate review and the terrestrial/freshwater habitats had recently undergone a review in 1999-2001. Further differences among these broad groups are summarised in Annex 1 and details of the criteria are listed in Annex 4.

Terrestrial and Freshwater Species

The four scientific criteria that were used to select the UK BAP terrestrial/ freshwater species were:

- international threat
- international responsibility + moderate decline in the UK
- marked decline in the UK
- other important factors – where quantitative data on decline are inadequate but there is convincing evidence of extreme threat

“Other Important Factors”, was agreed for the terrestrial/freshwater species and the marine species. This stated that “Where a species does not qualify under Criteria 1, 2 or 3, there may still be a case for listing it as a candidate. However, evidence of extreme threat is required. A detailed rationale behind any decisions made under criterion 4 is required. Justifications may include reasons such as geographic range being very restricted AND evidence of species decline or substantial threat to a food plant or to a highly specialised habitat, if it is impossible to predict the resulting rate of decline in the species” *etc.* The invertebrate expert group divided criterion 4 into eight sub-criteria. Details of all the criteria are listed in Annex 3.

Terrestrial and Freshwater Habitats

The aim for Terrestrial and Freshwater habitats was to review how the existing habitat series (covered by existing Habitat Action Plans (HAPS)) complied with the principles established by the last review in 1999-2001 and to consider if there were any gaps in the terrestrial/freshwater Habitat Series. This allowed a reconsideration of issues surrounding definition and classification including confusion over habitat definition and how they relate to other habitat classification systems and lists such as Annex I of the Habitats Directive. Potential new habitats were assessed against the following criteria:

- International obligations
- Risk (broadly similar to the Terrestrial & Freshwater species decline criteria)
- Importance for key species

Details of the criteria used in the Species and Habitat Review are included in Annex 3. Full reports for each new and revised priority habitat, including a complete explanation of the aims of the work, the approach and methods used, and the final recommendations of the first stage of the review, are presented in Annexes 5 & 6.

Marine Species and Habitats

For this review, the marine UK BAP criteria were designed and modified from the Review of Marine Nature Conservation (RMNC) criteria (Annex 3). As a result the marine criteria are broadly comparable with the terrestrial/freshwater species and habitat criteria. Stage 1 of the review of marine species and habitats included an initial evaluation of all marine species and habitats listed in the Marine Flora and Fauna Marine handbook and the Marine Habitat Classification System for Britain and Ireland (v 4.05), followed by a more detailed evaluation using a number of marine expert groups of any species and habitats selected by this first step.

Stage 2 - Determination of Species and Habitat Delivery Mechanisms

Introduction

There are new drivers on the UK BAP including considering the implications of devolution and the 2010 targets; climate change; sustainable development policies; and implementing the Ecosystem Approach among others. The aim of stage 2 was to seek an efficient way of delivering any shared species and habitat needs within the context of these new and existing drivers.

Signposting

To determine how the UK BAP and country biodiversity strategies could best meet the needs of the UK List of Priority Species and Habitats, information about the types of broad delivery mechanisms and/or specific actions for each species was gathered in a process called 'signposting'. The aim of the signposting was to address the conservation needs of the listed species including linking species actions to habitats.

For all species on the UK List of Priority Species the three top actions were identified by the contacts and expert groups and these actions were grouped into broad categories. This meant that for each species it could be identified if its main priority was for monitoring or research, legal protection or action at a habitat level *etc.* These actions were then placed in the following action categories:

Research

Identifies species for which the conservation actions are unknown and this research is vital for identifying conservation management actions for the species.

Gaps in Surveillance and Monitoring

Identifies species for which monitoring or surveillance is not currently available, or where further monitoring or surveillance is among the most important actions.

Wider actions

This category is used to signpost to cross-cutting issues like climate change and aerial pollution; to policies such as planning regulations and CAP reform or to Directive obligations (e.g. Water Framework Directive). Examples of actions relevant to these delivery mechanisms include making specific changes to deer policy; reducing aerial pollution; improved consideration by the planning process; CAP reform, (e.g. the development of options to retain the benefits of extensive livestock grazing in uplands and lowlands *etc.*)

Legal protection

Actions that relate to legislation such as amendments to schedules in the Wildlife and Countryside Act, inclusion in the Fifth Quinquennial Review (the periodic review of Schedules 5 and 8 of the Wildlife and Countryside Act 1981) *etc.* were included in this category.

UK BAP Priority habitat expansion and condition

Creates links between the species and UK BAP habitats where specific habitat action at the HAP level is required to conserve the species. For example, for the fungus *Amanita friabilis* protect and maintain its habitat by preventing drainage; eutrophication; planting of other trees as these threats to the habitat also threaten the fungus. In some cases, the experts groups did not specify a priority habitat and these were grouped accordingly.

Site specific action

This category identifies where specific management needs to be improved at a limited number of sites. These sites may or may not be designated areas.

Conservation management benefiting single species

This category lists the action that is essential for the species but cannot be delivered by existing policies, habitat or site management measures.

For each species there are a series of "signposts" – whether they need research, monitoring or other actions as a first cut and where action is needed, the kind of action and whether this is generic or habitat-based. An advantage of this approach is its utility for our policy-influencing work, as it enables us

to say that x species would be assisted by adaptation to climate change, y species by sustainable peat use, and so on. This should help us to prioritise particular policy strands.

There are, of course, a residual number of species which, in addition to any of the generic issues, require individual consideration and these species actions were considered in the category "Conservation management benefiting single species". But signposting will do away with the need for each plan to be comprehensive, and to re-address familiar issues. Ultimately, we envisage using the country strategies structure to help improve policy delivery for habitat, species and ecosystem priorities.

Signposting was not done for habitats, in recognition of the need for habitat action planning for all priority habitats through which it is envisaged that some species actions can be delivered. Species actions that cannot be delivered through the habitats (i.e. those listed in the research, survey and monitoring, site specific action and management benefiting single species *etc.*) will be delivered in other ways.

Geographic extent

Where possible, the country distribution of all the UK list species was gathered from experts and from the NBN Gateway. Clearly the quality of these data is variable and well-monitored groups like the birds will have excellent distribution data while the quality of the data for many of the invertebrates is poor. Although there may be some errors, roughly 780 species (numbers on the UK list) in the following groups have reasonably accurate distributional data:

- Birds (59)
- Herptiles (10)
- Lower plants and fungi (337)
- Terrestrial mammals (18)
- Vascular plants (212)
- Freshwater fish (14)

The data for many marine species and a bit less than two thirds of the terrestrial and freshwater invertebrates are less accurate or non-existent. This means that roughly in excess of 780 species (70%) have reasonably accurate distributional data. It is believed that these data are sufficient to provide a useful guide to conservation action by the four countries.

The distribution data will be improved in the near future.

RESULTS

List of habitats

The proposed UK priority habitat series is shown in Table 1 together with an indication of major changes to the existing list and the qualifying criteria for new types. This accommodates (i) eight new terrestrial/freshwater habitats and nine new marine habitats; (ii) three existing terrestrial/freshwater habitats undergoing substantive changes; and (iii) four existing terrestrial/freshwater habitats and five marine habitats undergoing minor changes. For the marine series, the newly proposed habitats comprise a series of biotopes. A number of additional habitats were identified by JNCC as possible 'gaps' in the proposed revised series (these are detailed in Annex 5 and summarised in Annex 4). No proposals were received for these habitats and it is recommended that they are omitted from the list of priority habitats at present.

This represents an increase from the 32 existing terrestrial/freshwater UK BAP habitats to 40 habitats and an increase from the existing 17 marine UK BAP priority habitats (covered by 15 HAPs) to 25 habitats (Table 1). The revised terrestrial/freshwater series would accommodate all but two very rare habitat types listed on Annex I of the EU Habitats Directive. Further explanation is given in the summary (Annex 4) and the more detailed report in Annex 5.

Table 1. The UK BAP list of habitats, summary of changes to existing habitats and criteria used to select new habitats or to justify significant changes

BAP broad habitat	UK BAP habitat	Major changes	Criteria
(a) Terrestrial & Freshwater Habitats			
Rivers and Streams	Rivers	New habitat, incorporating an existing habitat (Chalk Rivers). Further work by specialists is required to develop guidelines for the identification of river reaches which will be priorities for UK BAP action.	UK obligation, Decline, Key species
Standing Open Water and Canals	Oligotrophic and Dystrophic Lakes	New habitat	UK obligation, Decline, Key species
	Ponds	New habitat	UK obligation, Decline, Key species
	Mesotrophic Lakes	No change	
	Eutrophic Standing Waters	No change	
	Aquifer Fed Naturally Fluctuating Water Bodies	No change	
Arable & Horticultural	Arable Field Margins	No change	
Boundary & Linear Features	Hedgerows	Revised name; expanded scope	Decline, Key species
Broadleaved, Mixed and Yew Woodland	Traditional Orchards	New habitat	Decline, Key species
	Wood-Pasture & Parkland	Revised name; expanded scope	UK obligation, Decline, Key species
	Upland Oakwood	No change	
	Lowland Beech and Yew Woodland	No change	
	Upland Mixed Ashwoods	No change	
	Wet Woodland	No change	
	Lowland Mixed Deciduous Woodland	No change	
	Upland Birchwoods	No change	
Coniferous Woodland	Native Pine Woodlands	No change	
Acid Grassland	Lowland Dry Acid Grassland	No change	
Calcareous Grassland	Lowland Calcareous Grassland	No change	
	Upland Calcareous Grassland	No change	
Neutral Grassland	Lowland Meadows	No change	

BAP broad habitat	UK BAP habitat	Major changes	Criteria
	Upland Hay Meadows	No change	
Improved Grassland	Coastal and Floodplain Grazing Marsh	No change	
Dwarf Shrub Heath	Lowland Heathland	No change	
	Upland Heathland	No change	
Fen, Marsh and Swamp	Upland Flushes, Fens and Swamps	New habitat	UK obligation, Decline, Key species
	Purple Moor Grass and Rush Pastures	No change	
	Lowland Fens	No change	
	Reedbeds	No change	
Bogs	Lowland Raised Bog	No change	
	Blanket Bog	No change	
Montane Habitats	Mountain Heaths and Willow Scrub	New habitat	UK obligation, Decline, Key species
Inland Rock	Inland Rock Outcrop and Scree Habitats	New habitat	UK obligation, Decline, Key species
	Calaminarian Grasslands	New habitat	UK obligation, Decline, Key species
	Open Mosaic Habitats on Previously Developed Land	New habitat (originally Post-industrial sites)	Decline, Key species
	Limestone Pavements	No change	
Supralittoral Rock	Maritime Cliff and Slopes	No change	
Supralittoral Sediment	Coastal Vegetated Shingle	No change	
	Machair	No change	
	Coastal Sand Dunes	No change	
(b) Marine Habitats			
Littoral rock	Intertidal chalk	Revised name; (currently within Littoral and sublittoral chalk HAP)	
	Intertidal boulder communities	New habitat	UK obligation, Decline, Functional habitat
	<i>Sabellaria alveolata</i> reefs	No change	
Littoral sediment	Coastal saltmarsh	No change	
	Intertidal mudflats	Revised name; (currently Mudflats)	
	Seagrass beds	No change (includes both intertidal and subtidal beds)	
	Sheltered muddy gravels	No change	
	Peat and clay exposures	New habitat	Key species, Functional habitat
Sublittoral rock	Subtidal chalk	Revised name; (currently within Littoral and sublittoral chalk HAP)	
	Tide-swept channels	Name change and habitat expansion	
	Fragile sponge & anthozoan communities on subtidal rocky habitats	New habitat	UK obligation, Decline, Key species, Functional habitat
	Estuarine rocky habitats	New habitat	UK obligation, Decline, Key species, Functional habitat
	Seamount communities	New habitat	UK obligation, Decline, Key species, Functional habitat
	Carbonate mounds	New habitat	UK obligation, Functional habitat
	Cold-water coral reefs	Revised name; (currently <i>Lophelia pertusa</i> reefs)	
Sublittoral sediment	Deep-sea sponge communities	New habitat	UK obligation, Functional habitat
	<i>Sabellaria spinulosa</i> reefs	No change	
Sublittoral sediment	Subtidal sands and gravels	No change	
	Horse mussel beds	Revised name; (currently <i>Modiolus modiolus</i> beds)	
	Mud habitats in deep water	No change	
	File shell beds	New habitat	Key species, Functional habitat

BAP broad habitat	UK BAP habitat	Major changes	Criteria
	Maerl beds	No change	
	Serpulid reefs	No change	
	Blue mussel beds	New habitat	UK obligation, Decline, Functional habitat
	Saline lagoons	No change	

Note that several marine habitats actually occur in more than one broad habitat type or are habitat complexes, but for simplicity they are listed against only one broad habitat in this table.

List of Species

In total, 1149 marine, terrestrial and freshwater species met the criteria for selection and were proposed for inclusion on the UK Priority List of Species (Table 2, p.16); with a summary in Table 3. This includes 454 current UK BAP species that are listed in Species Action Plans, Grouped Species Action Plans and Species Statements (Table 3). However, 123 of the 577 current UK BAP species have been recommended for removal from the list (Annex 2).

Table 3. Species in the List of UK Priorities by expert group

Expert group	No. of taxa on new list	No. that were also on the existing UK BAP list
Birds	59	27
Fish (freshwater)	14	5
Herptiles	10	4
Lower plants and fungi	337	107
Marine species	88	50
Terrestrial/ Freshwater invertebrates	411	176
Terrestrial mammals	18	10
Vascular plants	212	75
Total number of taxa	1149	454

Geographic extent by country

For each species on the list, information is given on which of the four countries it is found (vagrants or casually occurring species were not included; Table 4). Information was submitted for 1018 (89%) species. For some of these species information was partial (distribution unknown in one or more countries). For the remaining 131 (11%) species no information has been made available. However, this is an iterative process and these data will be completed in due course. 102 (9%) species are known to occur in all 4 countries while a further 458 (40%) are found in only one country. The remaining 40% are found in two or three of the 4 countries.

Table 4. Distribution of new UK BAP species by country (see geographic extent page 7)

Expert group	Number of taxa	England	Northern Ireland	Scotland	Wales
Birds	59	53	30	51	49
Fish (freshwater)	14	12	10	11	10
Herptiles	10	10	1	7	8
Lower plants and fungi	337	243	28	189	122
Marine species	88	36	19	39	34
Terrestrial/Freshwater invertebrates	411	307	24	122	140
Terrestrial mammals	18	17	8	12	16
Vascular plants	212	159	34	101	78
Total	1149	837	154	532	457

Top action categories

The three most important actions were determined for 1114 (97%) of the 1149 UK BAP species and these actions were assigned to action categories. The number of species associated with these action categories is summarised in Table 5. Clearly most species required survey and monitoring particularly of known sites to confirm presence. Research was also an important category. Further details of these categories and the signposting are outlined in the section on Statistics below together with considerations of how to develop these categories further.

Table 5. Number of taxa within the action categories

Broad action category	Action categories	Number of taxa
Monitoring/Survey and Research	Survey for new sites	501
	Survey known sites	670
	Research into taxonomy/genetics	50
	Research into ecological requirements	220
	Research into conservation action	69
	Research into climate change impact	7
	Research into other impacts	130
Species level action	Site specific action	348
	Management actions to benefit single species	71
Habitat action (priority habitats & others)	Priority habitat based action (condition)	332
	Priority habitat based action (expansion)	70
	Habitat based wider action	192
Wider action	Agricultural activities and measures (wider scale)	220
	Measures to address impacts of climate change	29
	Forestry/tree management and planning (landscape scale)	120
	Fisheries control measures/policy and legislation	43
	Water and water quality management	43
	Landscape/regional level projects	60
	Planning controls on development	21
	Landscape/regional strategic planning	9
	Communications to stakeholders	12
	Measures to control/regulate agro-chemicals	39
	Air pollution initiatives	13
	International level agreements and plans	10
Legal protection	Legal protection for species	14

Action category statistics

Research and monitoring

The research category identified species for which the conservation actions were unknown and research is vital for progressing the conservation of the species. In addition, there is a need to report on the status of each UK BAP species at appropriate times. The monitoring and survey category however, identified those species for which monitoring or surveillance is not currently available, or where further monitoring or surveillance was among the most important actions.

49 species needed monitoring only and of these 40% were existing UK BAP species (Table 6).

15 species needed research only and of these three were existing UK BAP species (Table 7).

Tables 6 and 7 present information on those species whose only action was research or monitoring only respectively. Table 8 presents a different statistic, and shows 124 species for which either research or monitoring or both were selected i.e. the number of species whose actions can be grouped solely into research and or monitoring but no other actions were deemed necessary at this stage.

Table 6. Species requiring monitoring only (see geographic extent page 7)

Contact group	Number of Taxa	Number in expert group	England	Northern Ireland	Scotland	Wales
Birds	2	59	0	0	2	0
Fish (freshwater)	1	14	1	1	1	1
Lower plants and fungi	25	337	13	4	16	4
Marine species	9	88	3	2	5	5
Terrestrial/Freshwater invertebrates	12	411	11	1	1	4
Total number of taxa	49	909	28	8	25	14

Table 7. Species requiring research only (see geographic extent page 7)

Taxon name	Expert group	On current UK BAP list	England	Northern Ireland	Scotland	Wales
<i>Cuculus canorus canorus</i>	Birds		Y	Y	Y	Y
<i>Prunella modularis occidentalis</i>	Birds		Y	Y	Y	Y
<i>Sturnus vulgaris vulgaris</i>	Birds		Y	Y	Y	Y
<i>Salmo trutta</i>	Fish		Y	Y	Y	Y
<i>Arthonia cohabitans</i>	Lower plants & fungi		N	N	Y	N
<i>Buellia asterella</i>	Lower plants & fungi	Yes	Y	N	N	N
<i>Calicium diploellum</i>	Lower plants & fungi		N	Y	Y	N
<i>Cladonia botrytes</i>	Lower plants & fungi	Yes	N	N	Y	N
<i>Pseudocyphellaria lacerata</i>	Lower plants & fungi		N	N	Y	Y
<i>Strigula tagananae</i>	Lower plants & fungi		N	Y	Y	N
<i>Leptosammia pruvoti</i>	Marine species	Yes	Y	N	N	N
<i>Monotropa hypopitys hypophegea</i>	Vascular plants		Y	Y	Y	Y
<i>Monotropa hypopitys hypopitys</i>	Vascular plants		Y	Y	Y	Y
<i>Muscari neglectum</i>	Vascular plants		Y	N	Y	Y
<i>Rumex aquaticus</i>	Vascular plants		N	N	Y	N

Table 8. Summary of species requiring research and / or monitoring only (see geographic extent page 7)

Expert group	Number of taxa	Number in group	England	Northern Ireland	Scotland	Wales
Birds	10	59	6	5	10	6
Fish (freshwater)	4	14	4	4	4	4
Lower plants & fungi	62	337	34	12	38	14
Marine species	16	88	7	3	8	6
Terrestrial/Freshwater invertebrates	24	411	18	3	4	7
Vascular plants	8	212	6	2	5	4
Total number of taxa	124	1121	75	29	69	41

Taking forward the research and surveillance and monitoring categories

Research

The collective research requirement needs to be made available to all of the various biodiversity research coordination and funding mechanisms at UK and country level, including but not restricted to the Biodiversity Research Advisory Group (BRAG). It is necessary to think about how the research actions can most efficiently be delivered through new research programmes and also through existing funding frameworks.

Gaps in Surveillance and Monitoring

The development of success criteria and the means by which progress towards the success criteria can be assessed is needed for all 1149 species. Survey and monitoring information is needed for all species, at least in a very basic form. Additional survey and monitoring is also required to assist and target conservation action. All outstanding monitoring and survey requirements will be referred to the costed strategy for surveillance and monitoring being developed by JNCC who will report back on the extent to which the requirements can be met by implementation of the strategy as well as providing options for dealing with any requirements that might fall outside the scope of the strategy.

Single species actions

This category was used to list the actions that were essential for the species that could not be delivered by any of the other action categories. A total of 403 (34%) of the proposed species identified had listed either single species actions or site specific actions as one of the top three actions (Table 9). Of these 174 (43%) were existing UK BAP species, the majority of which have existing action plans. Single species actions may be the best way of delivering conservation for these species. However, it must be realised that these species may also have identified other priority actions that will be taken forward in other ways.

Table 9. Species that require single species actions (see geographic extent page 7)

Expert group	Number of taxa	England	Northern Ireland	Scotland	Wales
Birds	22	22	10	17	17
Fish (freshwater)	4	3	2	3	2
Herptiles	4	4	0	3	3
Lower plants & fungi	110	87	1	44	28
Marine species	8	4	4	6	4
Terrestrial/Freshwater invertebrates	148	110	6	17	26
Terrestrial mammals	6	5	2	4	4
Vascular plants	101	64	8	52	23
Total number of taxa	403	299	33	146	107

Taking forward the site specific action at named sites and conservation management benefiting single species categories

Actions in these two categories (419) are probably most appropriately planned through single species action plans. The process by which these are developed and implemented including the most appropriate geographic scale of delivery will need to be designed and agreed so that action can start. If development is to be done at a UK level then BRIG may be the most appropriate group to oversee this work. If the country level is more appropriate for planning single species actions then the Country Groups could take on this task.

Habitat actions

The experts identified 496 species actions that could be delivered through improvements in habitat condition or extent (Table 10). A list of the broad habitats and the species is given in Table 11. Note that because experts were able to choose more than one habitat through which action could be delivered, the number of species in Table 10 does not equal the number of actions in Table 11.

Table 10. Species requiring priority actions that can be delivered by improvements in habitat condition or extent, and the number of these species occurring in each country (see geographic extent page 7)

Expert group	No. of Species	England	Northern Ireland	Scotland	Wales
Birds	10	9	1	8	7
Herptiles	8	8	1	5	6
Lower plants and fungi	150	116	11	92	70
Marine species	2	1	1	1	1
Terrestrial/Freshwater invertebrates	190	120	13	37	44
Terrestrial mammals	10	10	4	6	10
Vascular plants	126	108	23	49	53
Total	496	372	54	198	191

Table 11. Broad habitats through which species action should be delivered, and the number of these species occurring in each country (see geographic extent page 7)

Habitat	Links between species and habitats	England	Northern Ireland	Scotland	Wales
Arable and Horticultural	22	22	6	7	13
Bogs	3	3	0	1	1
Boundary and Linear Features	12	12	1	2	8
Dwarf Shrub Heath	44	44	10	21	28
Fen, Marsh and Swamp	37	33	12	16	17
Grassland Acid	14	14	5	8	9
Grassland Calcareous	46	40	8	20	22
Grassland Improved	16	15	2	4	6
Grassland Neutral	8	8	2	5	4
Inland Rock	30	21	3	21	11
Montane Habitats	4	3	3	4	2
Rivers and Streams	11	10	2	3	6
Standing Open Water and Canals	33	32	9	18	17
Supralittoral Rock	16	15	1	3	8
Supralittoral Sediment	27	26	6	16	18
Woodland Broadleaved, Mixed and Yew	159	134	14	93	86
Woodland Coniferous	19	11	3	17	5
Unspecified habitats*	176	99	13	42	44

*These include priority and non-priority habitats

Taking forward the UK BAP Priority habitat expansion and condition category

Habitat action planning needs to start soon and consider fully the species action requirements as identified in the initial signposting exercise as well as the links to country strategies and other relevant policy workstreams.

Wider actions

This category was used to signpost the actions to cross-cutting issues like climate change and aerial pollution; to policies such as planning regulations and CAP reform or to Directive obligations (e.g. Water Framework Directive). The results obtained from the expert groups were wide ranging and so a finer categorisation of wider actions was done. This is shown in Table 12; as might be expected, agricultural actions dominated.

Table 12. Species actions associated with the sub-categories of wider action (see geographic extent pg 7)

Action sub-category	Code	Taxa	England	Northern Ireland	Scotland	Wales
Agricultural activities and measures (wider scale)	Wider_agri	220	176	40	151	148
Measures to address impacts of climate change	Wider_CC	29	23	4	15	10
Forestry/tree management and planning (landscape scale)	Wider_wood	120	105	11	88	92
Fisheries control measures/policy and legislation	Wider_fish	43	26	13	22	25
Water and water quality management	Wider_water	43	38	6	17	18
Landscape/regional level projects	Wider_land	60	53	10	22	33
Planning controls on development	Wider_plan	21	19	5	12	12
Landscape/regional strategic planning	Wider_regnl	9	9	0	5	5
Communications to stakeholders	Wider_comms	12	10	4	8	9
Measures to control/regulate agro-chemicals	Wider_agrochem	39	34	5	20	26
Air pollution initiatives	Wider_air	13	12	0	7	10
International level agreements and plans	Wider_intl	10	9	4	7	9
Total wider actions		619	514	102	374	397

Taking forward the wider action category

Wider actions are presented under a series of 13 sub-categories that each relate to a wider policy area (Table 5). Further work will be needed to refine the sub-categories in light of the plans for policy implementation in each country and to consider how best to accommodate the needs of the species actions into the policy implementation. It is recommended that the chairs of the country groups and the chair of Standing Committee respectively take responsibility for opening discussions with those responsible for the actions concerned at country and UK level as appropriate. BRIG/ Priorities Review Group will undertake further analysis of the information already gathered in the Species and Habitat Review and provide further advice in due course.

Taking forward the legal protection category

The 14 actions categorised under the broad category "Legislation" will be forwarded for consideration by the fifth quinquennial review process. The fifth quinquennial review will consider the information provided by the Priorities Review Group alongside other information on the need for species legislation and provide full feedback to the Priorities Review Group/BRIG on the outcomes and recommendations on how actions that were not appropriate for the quinquennial review might be dealt with.

Table 2. UK List of Priority Species, their country distribution, action categories and selection criteria (see geographic extent page 7)

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
BIRDS¹										
<i>Acrocephalus paludicola</i>	Aquatic Warbler	Y	N	Y	N	Site	Site	Wider_intl	SAP	Threat,Decl,Other
<i>Acrocephalus palustris</i>	Marsh Warbler	Y	Y	Y	N	Site	Site		SAP	Decl,Other
<i>Alauda arvensis arvensis/scotica</i> ²	Sky Lark	Y	Y	Y	Y	Wider_agri	Res_act	Monit_known, Monit_new	SAP	Decl,Other
<i>Anser albifrons albifrons</i>	European Greater White-fronted Goose	Y	N	N	N	Wider_intl	Site	Res_CC		Decl,Other
<i>Anser albifrons flavirostris</i>	Greenland Greater White-fronted Goose	N	Y	Y	Y	Res_other	Wider_intl	Wider_intl		Threat
<i>Anthus trivialis</i>	Tree Pipit	Y	Y	Y	N	Res_other	Wider_wood	Res_other		Decl
<i>Aythya marila</i>	Greater Scaup	Y	Y	Y	Y	Monit_known	Res_other	Site		Threat
<i>Botaurus stellaris</i>	Great Bittern	Y	Y	Y	N	Hab_exp	Hab_cond	Monit_known	SAP	Other
<i>Branta bernicla bernicla</i> ³	Dark-bellied Brent Goose	Y	N	Y	N	Wider_intl	Wider_intl	Res_CC		Threat
<i>Burhinus oedicephalus</i>	Stone-curlew	Y	N	N	N	Species	Wider_agri	Hab_exp	SAP	Threat,Other
<i>Caprimulgus europaeus</i>	European Nightjar	Y	Y	Y	N	Wider_plan	Hab_cond	Hab_exp	SAP	Other
<i>Carduelis cabaret</i>	Lesser Redpoll	Y	Y	Y	Y	Res_other	Wider_wood	Monit_known		Decl
<i>Carduelis cannabina autochthona/cannabina</i> ²	Common Linnet	Y	Y	Y	Y	Res_act	Wider_agri	Monit_known, Monit_new	SAP	Other
<i>Carduelis flavirostris bensonorum/pipilans</i> ⁴	Twite	Y	Y	Y	N	Species	Wider_hab	Hab_exp		Resp_threat
<i>Coccothraustes coccothraustes</i>	Hawfinch	Y	Y	Y	N	Res_other	Res_other	Monit_known		Decl
<i>Crex crex</i>	Corn Crake	Y	Y	Y	Y	Wider_agri	Species	Wider_agri	SAP	Other
<i>Cuculus canorus</i>	Common Cuckoo	Y	Y	Y	Y	Res_other	Res_other			Decl
<i>Cygnus columbianus bewickii</i> ⁵	Tundra Swan	Y	Y	Y	Y	Wider_intl	Wider_intl	Res_other		Threat
<i>Dendrocopos minor comminutus</i> ⁶	Lesser Spotted Woodpecker	Y	N	Y	N	Res_other	Wider_wood	Monit_known		Threat,Resp_threat,Decl
<i>Emberiza cirius</i>	Cirl Bunting	Y	N	N	N	Wider_agri	Wider_agri, Wider_plan	Species	SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Emberiza citrinella</i>	Yellowhammer	Y	Y	Y	Y	Wider_agri	Res_ecol	Monit_known		Decl
<i>Emberiza schoeniclus</i>	Reed Bunting	Y	Y	Y	Y	Wider_agri	Res_act	Monit_known	SAP	Other
<i>Gavia arctica</i>	Black-throated Diver	Y	Y	Y	Y	Species	Wider_fish	Wider_plan		Threat
<i>Jynx torquilla</i>	Eurasian Wryneck	Y	Y	Y	N	Site	Res_ecol	Hab_cond	SAP	Decl,Other
<i>Lagopus lagopus scoticus</i> ⁶	Red Grouse	Y	Y	Y	Y	Wider_agri	Hab_cond	Res_act		Resp_threat
<i>Lanius collurio</i>	Red-backed Shrike	Y	Y	Y	N	Site	Hab_exp	Wider_intl	SAP	Decl,Other
<i>Larus argentatus argenteus</i> ⁷	Herring Gull	Y	Y	Y	Y	Res_other	Wider_fish, Wider_CC	Legal		Resp_threat
<i>Limosa limosa limosa</i> ⁸	Black-tailed Godwit	Y	Y	N	N	Hab_cond	Hab_exp	Species		Threat
<i>Locustella luscinioides</i>	Savi's Warbler	Y	N	N	N	Res_ecol	Site			Decl
<i>Locustella naevia</i>	Common Grasshopper Warbler	Y	Y	Y	Y	Res_ecol	Wider_agri, Wider_wood	Res_other		Decl
<i>Loxia scotica</i>	Scottish Crossbill	N	Y	N	N	Res_ecol	Monit_known		SAP	Other
<i>Lullula arborea</i>	Wood Lark	Y	N	Y	N	Wider_plan	Hab_cond	Wider_agri	SAP	Other
<i>Melanitta nigra</i>	Common Scoter	Y	Y	Y	Y	Res_CC	Monit_known	Site	SAP	Decl,Other
<i>Miliaria calandra calandra/clanceyi</i> ²	Corn Bunting	Y	Y	Y	N	Wider_agri	Wider_agri	Wider_agri	SAP	Decl,Other
<i>Motacilla flava flavissima</i> ⁹	Yellow Wagtail	Y	Y	Y	N	Wider_agri	Res_ecol	Res_other		Resp_threat
<i>Muscicapa striata</i>	Spotted Flycatcher	Y	Y	Y	Y	Res_other	Res_other	Wider_wood	SAP	Decl,Other
<i>Numenius arquata</i>	Eurasian Curlew	Y	Y	Y	Y	Res_other	Monit_known			Resp_threat
<i>Parus montanus kleinschmidt</i> ⁶	Willow Tit	Y	Y	Y	N	Res_other	Species	Monit_known		Threat,Resp_threat
<i>Parus palustris palustris/dresseri</i> ²	Marsh Tit	Y	Y	Y	N	Res_ecol	Wider_wood	Monit_known, Monit_new		not specified
<i>Passer domesticus</i>	House Sparrow	Y	Y	Y	Y	Res_other	Wider_agri	Wider_comms		Decl
<i>Passer montanus</i>	Eurasian Tree Sparrow	Y	Y	Y	Y	Wider_agri	Res_other	Species	SAP	Decl,Other
<i>Perdix perdix</i>	Grey Partridge	Y	Y	Y	N	Wider_agri	Res_act	Monit_known	SAP	Decl,Other
<i>Phalaropus lobatus</i>	Red-necked Phalarope	Y	Y	Y	Y	Site	Monit_known	Site	SAP	Other
<i>Phylloscopus sibilatrix</i>	Wood Warbler	Y	Y	Y	Y	Res_other	Wider_wood	Res_other		Decl
<i>Prunella modularis occidentalis</i> ¹⁰	Hedge Accentor	Y	Y	Y	Y	Res_other	Res_taxon			Resp_threat
<i>Puffinus mauretanicus</i>	Balearic Shearwater	Y	Y	Y	Y	Monit_known	Site	Res_other		Threat

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Pyrrhula pyrrhula pileata</i> ⁵	Common Bullfinch	Y	Y	Y	Y	Res_other	Wider_agri	Monit_known	SAP	Resp_threat,Other
<i>Stercorarius parasiticus</i>	Arctic Skua	Y	Y	Y	Y	Wider_fish, Wider_CC	Site	Monit_known		Decl
<i>Sterna dougallii</i>	Roseate Tern	Y	Y	Y	Y	Site	Wider_intl	Res_ecol	SAP	Decl,Other
<i>Streptopelia turtur</i>	European Turtle Dove	Y	Y	Y	N	Res_act	Wider_agri	Monit_known	SAP	Decl,Other
<i>Sturnus vulgaris vulgaris</i> ¹¹	Common Starling	Y	Y	Y	Y	Res_act	Res_act	Res_other		Decl
<i>Tetrao tetrix britannicus</i> ⁶	Black Grouse	Y	Y	Y	N	Wider_wood	Monit_known	Species	SAP	Threat,Resp_threat,Decl, Other
<i>Tetrao urogallus</i>	Western Capercaillie	N	Y	N	N	Wider_land	Hab_cond	Hab_exp	SAP	Decl,Other
<i>Troglodytes troglodytes fridariensis</i> ¹²	Fair Isle Wren	N	Y	N	N	Monit_known				Threat
<i>Troglodytes troglodytes hirtensis</i> ¹²	St Kilda Wren	N	Y	N	N	Monit_known				Threat
<i>Turdus philomelos clarkel</i> ¹³	Song Thrush	Y	Y	Y	Y	Wider_agri, Wider_wood	Monit_new, Monit_known	Wider_CC	SAP	Resp_threat,Other
<i>Turdus philomelos hebridensis</i>	Hebridean Song Thrush	N	Y	N	N	Res_taxon	Monit_known		SAP	Threat,Other
<i>Turdus torquatus</i>	Ring Ouzel	Y	Y	Y	Y	Res_other	Monit_known			Decl
<i>Vanellus vanellus</i>	Northern Lapwing	Y	Y	Y	Y	Species	Wider_agri	Res_other		Threat,Decl

Notes for birds:

- 1 Birds were assessed against the criteria at the level of race, where no race is given the bird is either monotypic or only one race occurs in the UK, therefore all birds of this species are covered by listing.
2. These two races include all UK birds and for practical purposes they are listed together.
- 3 The Light-bellied brent goose (*B. b. hrota*) and the Black brant (*B. b. nigricans*) are not included on the priority list.
4. These two races include all UK breeding birds and for practical purposes they are listed together, the race *C. f. flavirostris* which winters in the UK is not included on the priority list.
5. Almost all UK birds are of this race and are listed, scarce migrants or vagrants of other races are not included on the priority list.
6. All UK birds are of this endemic race.
7. UK Breeding birds are of this race and are listed; wintering birds of the Scandinavian race (*L. a. argentatus*) are not included on the priority list.
8. This is the race that breeds in southern Britain; the race (*L. l. islandica*) that winters in large numbers in southern UK and breeds in the North is not included on the priority list.
9. Near endemic; other races are vagrants to the UK and are not included on the priority list.
10. This endemic race is the breeding bird throughout most of the UK; the Hebridean race *P.m. hebridium* and continental migrants of the race *P.m. modularis* are not included.
11. This includes all UK breeders except the race in Shetland *S. v. zetlandicus* which is not included on the priority list,
12. Only the endemic races of the wren that breed on Fair Isle and St Kilda are included on the priority list
13. Includes all UK breeding birds except *T. p. hebridensis* which is listed separately; wintering *T.p. philomelos* race is not included on the priority list.

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
FRESHWATER FISH										
<i>Acipenser sturio</i>	Common sturgeon	Y	Y	Y	Y	Wider_intl	Monit_new	Res_act		Threat
<i>Alosa alosa</i>	Allis Shad	Y	Y	Y	Y	Monit_new	Res_taxon		SAP	Other
<i>Alosa fallax</i>	Twaite Shad	Y	Y	Y	Y	Monit_new	Res_taxon	Monit_known	SAP	Other
<i>Anguilla anguilla</i>	European eel	Y	Y	Y	Y	Monit_new, Monit_known	Legal			Resp_threat,Other
<i>Cobitis taenia</i>	Spined loach	Y	N	N	N	Monit_known	Legal			Threat
<i>Coregonus albula</i>	Vendace	Y	Y	N	N	Site	Monit_known		SAP	Resp_threat,Decl.Other
<i>Coregonus autumnalis</i>	Pollan	N	N	N	Y	Site	Site		SAP	Threat,Resp_threat,Decl, Other
<i>Coregonus lavaretus</i>	Whitefish (Powan, Gwyniad or Schelly)	Y	Y	Y	N	Wider_fish	Wider_fish			Threat
<i>Lampetra fluviatilis</i>	River lamprey	Y	Y	Y	Y	Res_ecol	Monit_known	Wider_land		Threat,Resp_threat,Other
<i>Lota lota</i>	Burbot	Y	N	N	N				SAP	Other
<i>Osmerus eperlanus</i>	Smelt (Sparling)	Y	Y	Y	Y	Species	Wider_fish	Wider_land		Decl,Other
<i>Petromyzon marinus</i>	Sea lamprey	Y	Y	Y	Y	Monit_known	Res_ecol	Wider_land		Threat,Resp_threat,Other
<i>Salmo salar</i>	Atlantic salmon	Y	Y	Y	Y	Monit_known				Threat,Resp_threat,Decl, Other
<i>Salmo trutta</i>	Brown/Sea trout	Y	Y	Y	Y	Res_taxon	Res_ecol			Threat
<i>Salvelinus alpinus</i>	Arctic charr	Y	Y	Y	N	Monit_known	Species	Legal		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
HERPTILES										
<i>Anguis fragilis</i>	Slow-worm	Y	Y	Y	N	Wider_agri	Wider_land	Monit_known		Other
<i>Bufo bufo</i>	Common Toad	Y	Y	Y	N	Res_act	Monit_known	Wider_regnl, Wider_land		Other
<i>Bufo calamita</i>	Natterjack Toad	Y	Y	Y	N	Site	Hab_exp	Hab_cond	SAP	Other
<i>Coronella austriaca</i>	Smooth Snake	Y	N	N	N	Hab_cond	Hab_exp	Monit_new, Monit_known		Threat,Other
<i>Lacerta agilis</i>	Sand Lizard	Y	Y	Y	N	Site	Hab_exp	Hab_cond	SAP	Other
<i>Lacerta vivipara</i>	Common Lizard	Y	Y	Y	Y	Wider_agri	Wider_hab, Wider_land	Monit_known		Other
<i>Natrix natrix</i>	Grass Snake	Y	U	Y	N	Monit_known	Wider_hab	Wider_land		Other
<i>Rana lessonae</i>	Pool Frog	Y	N	N	N	Site	Species	Hab_cond	SAP	Decl
<i>Triturus cristatus</i>	Great Crested Newt	Y	Y	Y	N	Wider_agri	Hab_cond	Wider_regnl	SAP	Other
<i>Vipera berus</i>	Adder	Y	Y	Y	N	Wider_comms, Species	Wider_land, Wider_regnl	Hab_cond		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
LOWER PLANTS and FUNGI										
<i>Acarospora subrufula</i>	a Lichen	Y	N	N	N	Monit_known	Hab_cond			Other
<i>Acaulon triquetrum</i>	Triangular Pygmy-moss	Y	N	N	N	Monit_known	Hab_cond		SAP	Other
<i>Acrobolbus wilsonii</i>	Wilson's Pouchwort	N	Y	N	N	Monit_known			SAP	Other
<i>Adelanthus lindenbergianus</i>	Lindenberg`s Featherwort	N	Y	N	N	Monit_known	Site	Res_taxon	SAP	Threat
<i>Alectoria ochroleuca</i>	a Lichen	N	Y	N	N	Hab_cond	Monit_known	Wider_CC	SAP	Other
<i>Amanita friabilis</i>	Fragile Amanita	Y	N	Y	N	Monit_known	Hab_exp, Hab_cond	Monit_known		Other
<i>Anaptychia ciliaris ciliaris</i>	a Lichen	Y	Y	Y	N	Wider_air, Wider_agrochem	Hab_cond	Wider_wood		Decl
<i>Anastrophyllum joergensenii</i>	Joergensen`s Notchwort	N	Y	N	N	Monit_known	Monit_known	Site		Threat
<i>Andreaea nivalis</i>	Snow Rock-moss	N	Y	Y	N	Monit_known	Monit_known	Wider_CC		Other
<i>Anomodon longifolius</i>	Long-leaved Tail-moss	Y	Y	Y	N	Monit_known	Monit_known	Hab_cond		Other
<i>Aplodon wormskjoldii</i>	Carrion-moss	Y	Y	N	N	Species	Res_ecol			Other
<i>Armillaria ectypa</i>	Agaric	Y	Y	Y	Y	Hab_cond	Res_ecol	Monit_new	SAP	Threat
<i>Arthonia anglica</i>	a Lichen	Y	N	N	N	Site	Hab_cond			Resp_threat,Other
<i>Arthonia atlantica</i>	a Lichen	Y	Y	Y	N	Hab_cond	Hab_cond	Wider_agri		Other
<i>Arthonia cohabitans</i>	a Lichen	N	Y	N	N	Res_ecol				Threat,Other
<i>Arthonia invadens</i>	a Lichen	Y	Y	N	N	Hab_cond	Hab_cond			Other
<i>Arthonia patellulata</i>	a Lichen	N	Y	N	N	Hab_cond	Monit_known			Other
<i>Arthothelium dictyosporum</i>	a Lichen	N	Y	N	N	Hab_cond	Res_ecol		SAP	Other
<i>Arthothelium macounii</i>	a Lichen	N	Y	N	N	Hab_cond			SAP	Other
<i>Aspicilia melanaspis</i>	a Lichen	N	Y	N	N	Site	Monit_known			Other
<i>Atrichum angustatum</i>	Lesser smoothcap	Y	Y	Y	Y	Monit_known, Monit_new	Res_other		Statement	Other
<i>Bacidia circumspecta</i>	a Lichen	Y	Y	N	N	Hab_cond	Monit_known			Other
<i>Bacidia incompta</i>	a Lichen	Y	Y	Y	N	Res_act	Hab_cond		SAP	Other
<i>Bacidia subincompta</i>	a Lichen	Y	Y	Y	N	Hab_cond	Wider_air			Other
<i>Bacidia subturgidula</i>	a Lichen	Y	N	N	N	Site	Site			Threat
<i>Bankera fuliginosa</i>	a Tooth fungus	Y	Y	N	N	Res_ecol	Wider_agroche m, Wider_plan	Monit_known	Grouped plan	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Barbilophozia kunzeana</i>	Bog paw-wort	N	Y	Y	N	Monit_known	Monit_known			Other
<i>Bartramia stricta</i>	Rigid Apple-moss	N	N	Y	N				SAP	Other
<i>Battarraea phalloides</i>	Sandy Stilt Puffball	Y	N	N	N	Monit_known	Site	Monit_known	SAP	Other
<i>Belonia calcicola</i>	a Lichen	Y	N	N	N	Res_ecol	Site	Monit_new	SAP	Other
<i>Biatorrella fossarum</i>	a Lichen	Y	N	Y	N	Site	Monit_known	Wider_plan		Other
<i>Biatoridium monasteriense</i>	a Lichen	Y	Y	Y	N	Monit_known	Hab_cond		SAP	Other
<i>Blarneya hibernica</i>	a Lichen	Y	N	Y	N	Hab_cond	Hab_cond	Wider_agri		Other
<i>Boletopsis perplexa</i>	Black Falsebolete	N	Y	N	N	Res_ecol	Site	Monit_known	Statement	Other
<i>Boletus immutatus</i>	Constant Bolete	Y	N	N	N	Hab_exp, Hab_cond	Monit_new			Other
<i>Boletus pseudoregius</i>	The Pretender	Y	N	N	N	Hab_cond	Res_taxon	Monit_known		Other
<i>Boletus regius</i>	Royal Bolete	Y	N	N	N	Res_taxon	Site	Site	SAP	Other
<i>Boletus rhodopurpureus</i>	Oldrose Bolete	Y	N	N	N	Res_taxon	Hab_cond	Monit_known		Other
<i>Boletus torosus</i>	Brawny Bolete	Y	N	N	N	Res_taxon	Hab_cond	Monit_known		Other
<i>Bovista paludosa</i>	Fen Puffball	Y	N	N	N	Monit_known	Site	Hab_exp, Hab_cond		Other
<i>Brodoa intestiniformis</i>	a Lichen	N	Y	N	N	Monit_new			Statement	Other
<i>Bryoerythrophyllum caledonicum</i>	Scottish Beard-moss	N	Y	N	N	Monit_known	Res_ecol	Res_taxon	SAP	Other
<i>Bryoria furcellata</i>	Forked hair-lichen	N	Y	N	N	Res_ecol	Hab_cond			Other
<i>Bryoria nadvornikiana</i>	a Lichen	Y	N	N	N	Site	Site			Other
<i>Bryoria smithii</i>	a Lichen	Y	N	Y	N	Res_other	Site		SAP	Other
<i>Bryum calophyllum</i>	Matted bryum	Y	Y	Y	N	Monit_known	Wider_hab	Species	Statement	Other
<i>Bryum cyclophyllum</i>	Round-leaved Bryum	Y	Y	N	N	Monit_known	Site			Other
<i>Bryum gemmiparum</i>	Welsh Thread-moss	Y	N	Y	N					Other
<i>Bryum knowltonii</i>	Knowlton`s Thread-moss	Y	Y	Y	N	Monit_known	Site	Res_taxon		Other
<i>Bryum marratii</i>	Baltic Bryum	Y	Y	Y	N	Monit_known	Site	Site		Other
<i>Bryum salinum</i>	Saltmarsh Thread-moss	Y	Y	N	N	Monit_known	Site	Res_taxon		Other
<i>Bryum schleicheri</i>	Schleicher`s Thread-moss	N	Y	N	N	Monit_known	Site	Species		Other
<i>Bryum uliginosum</i>	Cernuous bryum	N	N	N	N	Species			Statement	Other
<i>Bryum warneum</i>	Sea bryum	Y	Y	Y	N	Monit_known	Site	Species	SAP	Other
<i>Buellia asterella</i>	Starry Breck-lichen	Y	N	N	N	Res_act			SAP	Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Buellia hyperbolica</i>	a Lichen	Y	N	Y	N	Hab_cond	Wider_air			Other
<i>Buellia violaceofusca</i>	a Lichen	N	Y	N	N	Hab_cond				Other
<i>Buxbaumia viridis</i>	Green Shield-Moss	N	Y	N	N	Wider_wood	Monit_known, Monit_new	Res_ecol	SAP	Threat,Other
<i>Calicium adspersum</i>	a Lichen	Y	N	Y	N	Site				Other
<i>Calicium corynellum</i>	a Lichen	Y	Y	N	N	Site	Monit_new, Monit_known		SAP	Decl,Other
<i>Calicium diploellum</i>	a Lichen	N	Y	N	Y	Res_act				Threat,Other
<i>Calocybe onychina</i>	Lilac Domecap	N	Y	N	N	Res_ecol	Monit_known, Monit_new			Other
<i>Caloplaca ahtii</i>	a Lichen	N	Y	N	N	Hab_cond	Wider_CC			Other
<i>Caloplaca aractina</i>	a Lichen	Y	N	N	N	Hab_cond	Monit_new		SAP	Other
<i>Caloplaca atroflava</i>	a Lichen	Y	N	U	N	Monit_new	Hab_cond			Other
<i>Caloplaca caesiorufella</i>	a Lichen	N	Y	N	N	Wider_hab				Other
<i>Caloplaca flavorubescens</i>	a Lichen	Y	Y	Y	N	Hab_cond	Wider_air, Wider_agrochem			Decl,Other
<i>Caloplaca herbidella</i>	a Lichen	Y	N	Y	N	Hab_cond	Wider_wood			Other
<i>Caloplaca lucifuga</i>	a Lichen	Y	Y	Y	N	Hab_cond	Wider_agri, Wider_agrochem			Other
<i>Caloplaca luteoalba</i>	Orange-Fruited Elm-lichen	Y	Y	Y	N	Wider_agri, Wider_agrochem	Res_act		SAP	Other
<i>Caloplaca virescens</i>	a Lichen	Y	Y	N	N	Wider_air, Wider_agrochem				Other
<i>Candelariella superdistans</i>	a Lichen	N	Y	N	N	Hab_cond				Other
<i>Cantharellus friesii</i>	Orange Chanterelle	Y	Y	N	N	Monit_known	Site	Monit_known		Other
<i>Cantharellus melanoxeros</i>	Blackening Chanterelle	Y	Y	N	N	Monit_known	Site	Monit_known		Other
<i>Catapyrenium michelii</i>	a Lichen	Y	N	N	N	Monit_known				Other
<i>Catapyrenium psoromoides</i>	Tree Catapyrenium	Y	Y	Y	N	Hab_cond	Wider_agrochem		SAP	Other
<i>Catillaria alba</i>	a Lichen	Y	Y	N	N	Site				Other
<i>Cephaloziella baumgartneri</i>	Chalk Threadwort	Y	N	N	N	Site	Site	Hab_cond		Other
<i>Cephaloziella calyculata</i>	Entire Threadwort	Y	N	Y	N	Site	Monit_known, Monit_new	Wider_comms		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Cephaloziella dentata</i>	Toothed Threadwort	Y	N	N	N	Monit_known, Monit_new	Site	Species		Other
<i>Cephaloziella integerrima</i>	Lobed Threadwort	Y	N	N	N	Monit_known, Monit_new	Site	Res_ecol		Other
<i>Cephaloziella nicholsonii</i>	Greater Copperwort	Y	N	Y	N	Site	Monit_known	Monit_known, Monit_new	SAP	Threat,Other
<i>Ceratodon conicus</i>	Scarce Redshank	Y	N	N	Y	Monit_new				Other
<i>Chaenotheca gracilenta</i>	a Lichen	Y	Y	N	N	Monit_known				Other
<i>Chaenotheca laevigata</i>	a Lichen	N	Y	N	N	Site	Site			Other
<i>Chaenotheca phaeocephala</i>	a Lichen	Y	N	Y	N	Monit_new	Wider_wood, Wider_comms	Res_act	SAP	Other
<i>Chara baltica</i>	Baltic Stonewort	Y	Y	Y	N	Hab_cond	Hab_cond	Monit_known	Statement	Other
<i>Chara canescens</i>	Bearded Stonewort	Y	Y	N	N	Site	Site	Hab_cond	Statement	Other
<i>Chara connivens</i>	Convergent Stonewort	Y	N	N	N	Hab_cond	Hab_cond	Monit_known	SAP	Other
<i>Chara intermedia</i>	Intermediate Stonewort	Y	N	N	N	Hab_cond	Hab_cond	Monit_known		Other
<i>Chlorencoelia versiformis</i>	Flea's Ear	Y	N	N	N	Monit_known	Site	Monit_known		Other
<i>Chrysomyxa pirolata</i>	Wintergreen Rust	Y	Y	Y	N	Monit_known	Hab_cond	Monit_new		Other
<i>Cladonia botrytes</i>	Stump Lichen	N	Y	N	N	Res_ecol			SAP	Decl,Other
<i>Cladonia convoluta</i>	a Lichen	Y	N	N	N	Site	Monit_new			Other
<i>Cladonia mediterranea</i>	Reindeer Lichen	Y	N	N	N	Hab_cond	Monit_new		SAP	Other
<i>Cladonia peziziformis</i>	a Lichen	Y	Y	Y	N	Res_ecol	Hab_cond		SAP	Decl,Other
<i>Clavaria purpurea</i>	Purple Spindles	Y	Y	N	N	Res_ecol	Monit_new	Hab_cond		Other
<i>Cliostomum corrugatum</i>	a Lichen	Y	N	N	N	Wider_regnl	Res_ecol	Monit_new		Other
<i>Collema dichotomum</i>	River Jelly Lichen	Y	Y	Y	N	Res_ecol	Wider_water		SAP	Other
<i>Collema fasciculare</i>	a Lichen	U	Y	U	N	Hab_cond				Other
<i>Collema fragile</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Collema fragrans</i>	a Lichen	Y	U	U	N	Hab_cond	Res_act			Resp_threat,Decl,Other
<i>Collema latzelii</i>	a Lichen	Y	N	N	N	Hab_cond				Other
<i>Cotylidia pannosa</i>	Wooly Rosette	Y	N	Y	N	Monit_known	Site	Monit_known		Other
<i>Cryphaea lamyana</i>	Multi-fruited River Moss	Y	N	Y	N	Monit_new	Res_ecol	Res_taxon	SAP	Other
<i>Cryptolechia carneolutes</i>	a Lichen	Y	N	N	N	Hab_cond	Wider_wood			Resp_threat,Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Cyclodictyon laetevirens</i>	Bright-green Cave-moss	Y	Y	N	Y					Threat
<i>Cypheium trachyloides</i>	a Lichen	N	Y	N	N	Site	Res_ecol			Other
<i>Daltonia splachnoides</i>	Irish Daltonia	N	Y	N	Y	Monit_known	Monit_new			Other
<i>Dicranum bergeri</i>	Waved Fork-moss	Y	Y	Y	Y	Monit_known	Monit_known	Wider_hab		Other
<i>Dicranum elongatum</i>	Dense Fork-moss	N	N	N	N	Monit_known				Other
<i>Dicranum spurium</i>	Rusty Fork-moss	Y	Y	N	N	Monit_known				Other
<i>Didymodon glaucus</i>	Glaucous Beard-moss	Y	N	N	N	Site	Monit_known	Site	SAP	Other
<i>Didymodon tomaculosus</i>	Sausage Beard-moss	Y	N	Y	N	Wider_agri			SAP	Other
<i>Diplotomma pharcidium</i>	a Lichen	U	Y	N	N	Wider_wood				Other
<i>Ditrichum cornubicum</i>	Cornish Path Moss	Y	N	N	N	Monit_known	Site	Res_act	SAP	Threat,Other
<i>Ditrichum plumbicola</i>	Lead-moss	Y	Y	Y	N	Hab_exp	Wider_agrochem, Wider_wood	Monit_known	SAP	Other
<i>Ditrichum subulatum</i>	Awl-leaved Ditrichum	Y	N	Y	N	Site	Monit_known	Monit_known		Other
<i>Dumortiera hirsuta</i>	Dumortier's Liverwort	Y	Y	N	Y	Monit_known	Res_taxon			Threat
<i>Endocarpon adscendens</i>	a Lichen	Y	N	Y	N	Monit_known	Res_ecol	Monit_new		Other
<i>Enterographa elaborata</i>	New Forest beech-lichen	Y	N	N	Y	Hab_cond	Res_ecol		SAP	Other
<i>Enterographa soredata</i>	a Lichen	Y	N	N	N	Hab_cond	Hab_cond		SAP	Other
<i>Entoloma bloxamii</i>	Big Blue Pinkgill	Y	Y	Y	Y	Monit_new	Res_ecol	Wider_agri		Threat
<i>Ephemerum cohaerens</i>	Clustered earth-moss	Y	N	N	N	Monit_known			Statement	Threat,Other
<i>Ephemerum spinulosum</i>	Prickly earth-moss	N	N	N	Y	Monit_known	Monit_new	Site		Other
<i>Eurhynchium pulchellum</i>	Elegant Feather-moss	N	Y	N	N	Monit_known				Other
<i>Fissidens curvatus</i>	Portuguese Pocket-moss	Y	N	Y	N	Site	Monit_known	Res_ecol		Other
<i>Fissidens serrulatus</i>	Large Atlantic Pocket-moss	Y	N	Y	N	Site, Wider_water	Monit_known	Site		Other
<i>Fossombronina foveolata</i>	Pitted Frillwort	Y	Y	Y	Y	Hab_cond	Monit_known	Monit_known		Threat
<i>Fulgensia fulgens</i>	a Lichen	Y	N	Y	N	Hab_cond	Wider_air, Wider_agrochem	Res_act		Other
<i>Funaria pulchella</i>	Pretty Cord-moss	Y	Y	Y	N	Hab_cond	Monit_known			Other
<i>Fuscopannaria ignobilis</i>	a Lichen	N	Y	N	N	Wider_plan	Wider_wood	Hab_cond		Other
<i>Fuscopannaria sampaiana</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Gastrum berkeleyi</i>	Berkeley's Earthstar	Y	N	N	N	Monit_known	Site, Wider_hab	Monit_known		Other
<i>Gastrum corollinum</i>	Weathered Earthstar	Y	N	N	N	Monit_known	Hab_cond	Monit_known		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Geastrum elegans</i>	Elegant Earthstar	Y	N	Y	N	Monit_known	Site, Wider_hab	Monit_known		Other
<i>Geastrum minimum</i>	Tiny Earthstar	Y	N	N	N	Monit_known	Site, Wider_hab	Monit_known		Other
<i>Geoglossum atropurpureum</i>	Dark-purple Earthtongue	Y	Y	Y	Y	Wider_hab	Res_ecol	Res_taxon		Threat
<i>Gomphillus calycioides</i>	a Lichen	N	Y	Y	Y	Hab_cond	Wider_agri			Other
<i>Gomphus clavatus</i>	Pig's Ear	N	N	N	N	Monit_new	Site			Threat
<i>Graphina pauciloculata</i>	a Lichen	Y	N	Y	N	Hab_cond	Res_ecol		SAP	Threat,Other
<i>Graphis alboscipita</i>	a Lichen	N	Y	N	N	Hab_cond	Wider_agri			Other
<i>Grimmia crinita</i>	Hedgehog Grimmia	Y	N	N	N	Monit_known	Monit_new	Site		Other
<i>Grimmia elongata</i>	Brown Grimmia	Y	Y	Y	N	Monit_new		Monit_known		Other
<i>Grimmia sessitana</i>	Alpine Grimmia	N	Y	N	N	Monit_known				Other
<i>Gyalecta ulmi</i>	Elm gyalecta (a Lichen)	Y	Y	N	N	Site	Site		SAP	Other
<i>Gyalidea roseola</i>	a Lichen	N	Y	N	N	Site				Other
<i>Habrodon perpusillus</i>	Lesser Squirrel-tail moss	Y	Y	N	N	Monit_known				Other
<i>Herbertus borealis</i>	Northern Prongwort	N	Y	N	N	Monit_known	Res_act	Wider_CC	SAP	Threat
<i>Hericium coralloides</i>	Coral Tooth	Y	N	N	N	Site	Res_ecol	Hab_cond		Other
<i>Hericium erinaceus</i>	Bearded Tooth	Y	N	Y	N	Site	Res_ecol	Hab_cond	SAP	Threat
<i>Heterodermia leucomela</i>	Ciliate strap-lichen	Y	N	Y	N	Hab_cond			SAP	Other
<i>Heterodermia speciosa</i>	a Lichen	Y	N	N	N	Site	Monit_new			Other
<i>Hohenbuehelia culmicola</i>	Marram Oyster	Y	Y	Y	N	Monit_new	Res_ecol	Hab_cond		Other
<i>Homomallium incurvatum</i>	Incurved Feather-moss	Y	Y	N	N	Monit_known	Res_ecol			Other
<i>Hydnellum aurantiacum</i>	a Tooth fungus	N	Y	N	Y	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other
<i>Hydnellum caeruleum</i>	a Tooth fungus	N	Y	N	N	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other
<i>Hydnellum conrescens</i>	a Tooth fungus	Y	Y	Y	Y	Res_ecol	Hab_exp, Hab_cond	Wider_agrochem, Wider_plan	Grouped plan	Other
<i>Hydnellum ferrugineum</i>	a Tooth fungus	Y	Y	N	N	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other
<i>Hydnellum peckii</i>	a Tooth fungus	N	Y	N	N	Res_ecol	Wider_agrochem, Wider_plan	Monit_known	Grouped plan	Other
<i>Hydnellum scrobiculatum</i>	a Tooth fungus	Y	Y	Y	N	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Hydnellum spongiosipes</i>	Velvet Tooth	Y	Y	Y	Y	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other
<i>Hygrocybe spadicea</i>	Date-Coloured Waxcap	Y	Y	Y	N	Monit_known	Monit_new	Res_ecol	SAP	Other
<i>Hygrohypnum styriacum</i>	Snow Brook-moss	N	Y	N	N					Other
<i>Hygrophorus pudorinus</i>	Rosy Woodwax	Y	N	N	N	Monit_known	Monit_new			Other
<i>Hypocreopsis lichenoides</i>	Willow Gloves	Y	N	Y	N	Res_ecol	Hab_cond	Monit_new		Other
<i>Hypocreopsis rhododendri</i>	Ascomyte Fungus	Y	Y	N	N	Res_ecol	Monit_new	Site	SAP	Other
<i>Hypogymnia vittata</i>	a Lichen	N	Y	N	N	Site	Monit_new			Other
<i>Jamesoniella undulifolia</i>	Marsh Earwort	Y	Y	N	N	Monit_known	Monit_known	Site	SAP	Threat,Other
<i>Jungermannia leiantha</i>	Long-leaved Flapwort	Y	Y	N	N	Monit_known	Monit_known	Site		Other
<i>Lamprothamnium papulosum</i>	Foxtail Stonewort	Y	Y	N	N	Hab_cond	Hab_cond		Statement	Other
<i>Lecania chlorotiza</i>	a Lichen	Y	Y	Y	N	Hab_cond	Hab_cond			Other
<i>Lecanographa amylacea</i>	a Lichen	Y	Y	Y	N	Hab_cond	Hab_cond			Other
<i>Lecanora achariana</i>	Tarn lecanora (a Lichen)	Y	Y	Y	N	Site				Other
<i>Lecanora cinereofusca</i>	a Lichen	N	Y	N	N	Hab_cond	Wider_agri			Other
<i>Lecanora quercicola</i>	a Lichen	Y	Y	Y	N	Hab_cond	Wider_wood			Other
<i>Lecanora sublivescens</i>	a Lichen	Y	N	Y	N	Hab_cond	Wider_wood	Wider_agrochem		Other
<i>Lecidea erythrophaea</i>	a Lichen	Y	Y	N	Y	Hab_cond				Other
<i>Lecidea inops</i>	Copper lecidea (a Lichen)	Y	N	N	N	Site				Other
<i>Leiocolea rutheana</i>	Fen Notchwort	Y	Y	N	N	Site	Monit_new		SAP	Other
<i>Lejeunea holtii</i>	Holt's Pouncewort	N	Y	N	N	Monit_known	Monit_known			Threat
<i>Lejeunea mandonii</i>	Atlantic lejeunea	Y	Y	N	N	Monit_known	Site	Site	SAP	Other
<i>Leptodontium gemmascens</i>	Thatch Moss	Y	N	N	N	Monit_known	Monit_known	Hab_cond	SAP	Other
<i>Leptogium brebissonii</i>	a Lichen	N	Y	Y	N	Hab_cond	Wider_hab			Other
<i>Leptogium cochleatum</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Leptogium hibernicum</i>	a Lichen	N	Y	N	N	Hab_cond	Hab_cond			Other
<i>Leptogium saturninum</i>	a Lichen	Y	Y	N	N	Hab_cond				Other
<i>Lophozia capitata</i>	Large-celled Flapwort	Y	N	N	N	Hab_cond	Site			Other
<i>Lophozia longiflora</i>	Reddish Notchwort	N	N	N	N	Res_taxon	Monit_new	Site		Other
<i>Lyophyllum favrei</i>	Gilded Domecap	Y	N	N	N	Site	Monit_new	Hab_cond, Hab_cond		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Marsupella arctica</i>	Arctic Rustwort	N	Y	N	N					Threat
<i>Marsupella profunda</i>	Western Rustwort	Y	N	N	N	Site	Res_act	Monit_known, Monit_new	SAP	Threat,Other
<i>Megalaria laureri</i>	a Lichen	Y	N	N	N	Hab_cond	Res_ecol			Other
<i>Megalospora tuberculosa</i>	a Lichen	Y	Y	Y	N	Wider_hab	Hab_cond			Other
<i>Melanelia subargentifera</i>	a Lichen	N	Y	N	N	Monit_new	Site			Other
<i>Melaspilea lentiginosa</i>	a Lichen	Y	N	Y	N	Hab_cond				Other
<i>Microglossum olivaceum</i>	Earth-Tongue	Y	Y	Y	Y	Monit_known	Res_ecol	Res_ecol	SAP	Other
<i>Micromitrium tenerum</i>	Millimetre Moss	Y	N	Y	N	Monit_known	Monit_known	Site	Statement	Threat,Other
<i>Mielichhoferia mielichhoferiana</i>	Alpine Copper-moss	N	Y	N	N	Monit_known	Res_taxon			Other
<i>Mycena renati</i>	Beautiful Bonnet	Y	N	N	N	Monit_known	Site	Monit_new		Other
<i>Myriostoma coliforme</i>	Pepper Pot	N	N	N	N	Monit_known	Monit_new	Site		Threat
<i>Nephroma arcticum</i>	Arctic kidney-lichen	N	Y	N	N	Site	Monit_new			Other
<i>Nitella gracilis</i>	Slender Stonewort	N	Y	Y	N	Hab_cond	Res_other	Monit_new	SAP	Other
<i>Nitella tenuissima</i>	Dwarf Stonewort	Y	N	Y	N	Hab_cond	Hab_exp	Hab_cond	SAP	Other
<i>Nitellopsis obtusa</i>	Starry Stonewort	Y	N	N	N	Hab_cond	Hab_cond	Monit_known	SAP	Other
<i>Nyssopsora echinata</i>	Spignel Rust	N	Y	N	N	Monit_known	Site	Monit_known		Other
<i>Opegrapha prosodea</i>	a Lichen	Y	N	Y	N	Hab_cond	Hab_cond	Wider_wood		Other
<i>Opegrapha subelevata</i>	a Lichen	Y	N	N	N	Site	Monit_known			Other
<i>Orthodontium gracile</i>	Slender Thread-moss	Y	Y	N	Y	Monit_new	Res_act	Monit_known	SAP	Threat,Other
<i>Orthotrichum gymnostomum</i>	Aspen bristle-moss	N	Y	N	N				Statement	Other
<i>Orthotrichum obtusifolium</i>	Blunt-leaved Bristle-moss	N	Y	N	N	Hab_cond	Wider_wood	Res_act	SAP	Other
<i>Orthotrichum pallens</i>	Pale Bristle-moss	Y	N	N	N	Monit_known, Monit_new	Monit_known	Res_act	SAP	Other
<i>Orthotrichum pumilum</i>	Dwarf bristle-moss	Y	Y	N	N	Monit_known	Monit_known	Res_act		Other
<i>Pallavicinia lyellii</i>	Veilwort	Y	Y	Y	N	Monit_known	Monit_known	Site	SAP	Threat
<i>Parmeliella testacea</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Parmelina quercina</i>	a Lichen	Y	N	Y	N	Wider_agrochem				Other
<i>Parmotrema robustum</i>	a Lichen	Y	N	Y	N	Wider_hab	Hab_cond	Monit_known		Other
<i>Peltigera lepidophora</i>	Ear-lobed Dog-lichen	N	Y	N	N	Monit_known			SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Peltigera malacea</i>	Matt felt lichen	N	Y	N	N	Site	Site			Other
<i>Peltigera venosa</i>	a Lichen	Y	Y	Y	N	Site	Site	Site		Other
<i>Pertusaria velata</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Petalophyllum ralfsii</i>	Petalwort	Y	Y	Y	Y	Hab_exp	Res_act	Res_ecol	SAP	Threat
<i>Phaeophyscia endococcina</i>	a Lichen	Y	Y	N	N	Wider_regnl				Other
<i>Phellodon confluens</i>	a Tooth fungus	Y	Y	Y	N	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other
<i>Phellodon melaleucus</i>	a Tooth fungus	Y	Y	Y	N	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other
<i>Phellodon niger</i>	Black Tooth	Y	Y	N	N	Res_ecol	Hab_exp, Hab_cond	Monit_known		Other
<i>Phellodon tomentosus</i>	a Tooth fungus	Y	Y	Y	N	Res_ecol	Wider_agrochem, Wider_plan	Monit_known	Grouped plan	Other
<i>Philonotis cernua</i>	Swan-necked Apple-moss	N	N	N	N	Monit_known	Monit_known	Res_ecol		Other
<i>Philonotis marchica</i>	Bog Apple-moss	Y	N	N	N					Other
<i>Pholiota astragalina</i>	Conifer Scalycap	Y	U	N	N	Res_ecol	Monit_new, Monit_known	Hab_exp, Hab_cond		Other
<i>Phylloporus pelletieri</i>	Golden Gilled Bolete	Y	Y	Y	Y	Monit_known	Monit_known	Monit_new		Threat
<i>Physcia tribacioides</i>	Southern grey physcia (a Lichen)	Y	N	Y	Y	Wider_agri, Wider_agrochem	Wider_wood			Other
<i>Physcomitrium eurystomum</i>	Norfolk Bladder-moss	Y	N	N	N	Monit_known	Monit_new	Site		Other
<i>Piptoporus quercinus</i>	Oak Polypore	Y	Y	Y	N	Wider_comms	Monit_known	Monit_new	SAP	Other
<i>Plagiobryum demissum</i>	Alpine Hump-moss	N	Y	N	N	Monit_known	Monit_known			Other
<i>Podoscypha multizonata</i>	Zoned Rosette	Y	N	N	N	Monit_known	Monit_known	Res_ecol		Other
<i>Poeltinula cerebrina</i>	a Lichen	Y	Y	N	N	Monit_known	Hab_cond			Other
<i>Pohlia obtusifolia</i>	Blunt-leaved Thread-moss	N	Y	N	N	Monit_known	Res_taxon			Other
<i>Pohlia scotica</i>	Scottish Pohlia	N	Y	N	N	Monit_new			SAP	Threat,Other
<i>Polychidium dendriscum</i>	a Lichen	N	Y	N	N	Hab_cond				Threat,Other
<i>Porina effilata</i>	a Lichen	Y	N	Y	N	Hab_cond				Threat,Other
<i>Porina hibernica</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Porina sudetica</i>	a Lichen	Y	N	N	N	Monit_known				Other
<i>Poronia punctata</i>	Nail Fungus	Y	N	Y	N	Monit_known	Res_other	Monit_new	SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Psathyrella caput-medusae</i>	Medusa Brittlestem	U	Y	U	N	Res_ecol	Monit_new, Monit_known	Hab_exp, Hab_cond		Other
<i>Pseudocyphellaria aurata</i>	a Lichen	Y	N	N	N	Monit_new	Site		SAP	Other
<i>Pseudocyphellaria intricata</i>	a Lichen	Y	Y	N	N	Hab_cond				Other
<i>Pseudocyphellaria lacerata</i>	Ragged pseudocyphellaria (a Lichen)	N	Y	Y	N	Res_taxon				Threat,Other
<i>Pseudocyphellaria norvegica</i>	a Lichen	N	Y	Y	N	Hab_cond			SAP	Other
<i>Pseudoleskea incurvata</i>	Brown Mountain Leskea	N	Y	N	N	Monit_known	Res_taxon	Monit_known		Other
<i>Puccinia clintonii</i>	Lousewort Rust	N	Y	N	Y	Monit_known	Res_act	Monit_new		Other
<i>Puccinia physospermi</i>	Bladder-seed Rust	Y	N	N	N	Monit_known				Other
<i>Puccinia scorzonerae</i>	Scorzonera Rust	Y	N	Y	N	Monit_known	Res_act			Other
<i>Puccinia septentrionalis</i>	Alpine Rust	N	Y	N	N	Res_ecol	Res_act	Monit_known		Other
<i>Puccinia thesii</i>	Bastard-toadflax Rust	Y	N	N	N	Monit_known	Res_act	Monit_known		Other
<i>Pyrenula dermatodes</i>	a Lichen	N	Y	N	N	Hab_cond				Threat,Other
<i>Pyrenula hibernica</i>	a Lichen	N	Y	Y	N	Hab_cond				Threat,Other
<i>Pyrenula nitida</i>	a Lichen	Y	N	Y	N	Hab_cond	Res_ecol			Other
<i>Radula carringtonii</i>	Carrington's Scalewort	N	Y	N	N	Monit_known	Hab_cond			Threat
<i>Ramonia chrysophaea</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Ramonia dictyospora</i>	a Lichen	Y	Y	N	N	Hab_cond				Other
<i>Ramonia nigra</i>	a Lichen	Y	N	N	N	Site				Threat
<i>Rhynchostegium rotundifolium</i>	Round-leaved Feather-moss	Y	N	N	N	Monit_known	Monit_new	Res_act	SAP	Other
<i>Rhytidiadelphus subpinnatus</i>	Scarce Turf-moss	Y	N	Y	Y	Monit_known	Monit_known			Other
<i>Riccia bifurca</i>	Lizard Crystalwort	Y	N	N	N	Monit_known	Site			Other
<i>Riccia canaliculata</i>	Channelled Crystalwort	Y	Y	Y	N	Site	Monit_known, Monit_new	Res_taxon		Other
<i>Riccia nigrella</i>	Black Crystalwort	Y	N	Y	N	Monit_known	Wider_hab	Wider_comms		Other
<i>Rinodina degeliana</i>	a Lichen	N	Y	N	N	Site	Monit_known			Other
<i>Rinodina isidioides</i>	a Lichen	Y	Y	Y	N	Hab_cond				Other
<i>Sarcodon glaucopus</i>	a Tooth fungus	N	Y	N	N	Res_ecol	Hab_exp,	Monit_known	Grouped	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
							Hab_cond		plan	
<i>Sarcodon scabrosus</i>	a Tooth fungus	Y	Y	N	N	Res_ecol	Hab_exp, Hab_cond	Monit_new	Grouped plan	Other
<i>Sarcodon squamosus</i>	Scaly Tooth	Y	Y	N	N	Res_ecol	Hab_exp, Hab_cond	Monit_known	Grouped plan	Other
<i>Sarcodontia crocea</i>	Orchard Tooth	Y	N	N	N	Monit_new	Hab_cond	Monit_known		Other
<i>Sarcosphaera coronaria</i>	Violet Crowncup	Y	N	N	N	Monit_new	Hab_cond	Monit_known		Threat
<i>Schismatomma graphidioides</i>	a Lichen	Y	Y	Y	N	Hab_cond			SAP	Other
<i>Sclerophora pallida</i>	a Lichen	Y	Y	N	N	Hab_cond				Other
<i>Scopelophila cataractae</i>	Tongue-leaf Copper-moss	Y	N	Y	N	Site	Monit_known	Site		Other
<i>Seligeria carniolica</i>	Water Rock-bristle	Y	N	N	N	Site	Monit_known	Site	SAP	Threat,Other
<i>Seligeria oelandica</i>	Irish Rock-bristle	N	N	N	Y					Threat
<i>Solenopsora liparina</i>	Serpentine solenopsora (a Lichen)	Y	N	N	N	Hab_cond	Monit_new			Other
<i>Southbya nigrella</i>	Blackwort	Y	N	N	N	Site	Site			Other
<i>Sphaerocarpos texanus</i>	Texas Balloonwort	Y	N	N	N	Wider_agri				Other
<i>Sphagnum balticum</i>	Baltic Bog-Moss	Y	Y	N	N	Site	Monit_known		SAP	Other
<i>Splachnum vasculosum</i>	Rugged Collar-moss	Y	Y	N	N	Monit_known	Monit_known	Site		Other
<i>Squamarina lentigera</i>	Scaly Breck-Lichen	Y	N	N	N	Site	Res_act		SAP	Decl,Other
<i>Stephanospora caroticola</i>	Carroty False Truffle	Y	N	N	N	Site	Monit_new			Other
<i>Stereocaulon delisei</i>	a Lichen	Y	Y	Y	N	Wider_plan	Site			Other
<i>Stereocaulon symphycheilum</i>	a Lichen	Y	N	Y	N	Site	Site			Other
<i>Sticta canariensis</i>	a Lichen	N	Y	Y	N	Hab_cond				Other
<i>Strigula stigmatella stigmatella</i>	a Lichen	Y	N	Y	N	Hab_cond	Monit_known			Other
<i>Strigula tagananae</i>	a Lichen	N	Y	N	Y	Res_act				Other
<i>Stropharia hornemanii</i>	Conifer Roundhead	N	Y	N	N	Res_ecol	Monit_new			Other
<i>Synalissa symphorea</i>	a Lichen	Y	Y	Y	N	Hab_cond	Monit_new			Other
<i>Tayloria lingulata</i>	Tongue-leaved Gland-moss	N	Y	N	N	Monit_known	Monit_known	Wider_hab		Other
<i>Tayloria tenuis</i>	Slender Gland-moss	N	Y	N	Y	Monit_known	Res_ecol			Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Telaranea nematodes</i>	Irish Threadwort	Y	N	N	N	Monit_known	Site	Res_act		Threat,Other
<i>Teloschistes flavicans</i>	Golden hair-lichen	Y	N	Y	N	Wider_agrochem, Wider_air	Site	Wider_wood		Other
<i>Tephroclype osmophora</i>	Sweet Greyling	Y	N	N	N	Monit_new	Monit_new	Hab_cond		Other
<i>Tetodontium repandum</i>	Small four-tooth moss	N	N	N	N	Monit_known			Statement	Other
<i>Thamnobryum angustifolium</i>	Derbyshire Feather-moss	Y	N	N	N	Monit_known	Monit_known	Species	SAP	Threat,Other
<i>Thamnobryum cataractarum</i>	Yorkshire Feather-moss	Y	N	N	N	Monit_known	Monit_known	Species	SAP	Threat,Other
<i>Thelenella modesta</i>	Warty Wax-lichen	N	Y	N	N	Site	Site	Wider_agrochem, Wider_air	SAP	Other
<i>Timmia austriaca</i>	Sheathed Timmia	N	Y	N	N	Monit_known	Monit_known	Res_act		Other
<i>Tolypella intricata</i>	Tassel Stonewort	Y	N	N	N	Hab_cond	Hab_cond	Hab_exp	SAP	Other
<i>Tolypella nidifica</i>	Bird's nest stonewort	N	Y	N	N	Monit_known	Hab_cond, Wider_water	Species	Statement	Other
<i>Tolypella prolifera</i>	Great Tassel Stonewort	Y	N	N	N	Hab_cond	Hab_cond	Monit_new	SAP	Other
<i>Toninia physaroides</i>	a Lichen	Y	N	N	N	Monit_new, Monit_known	Site			Other
<i>Toninia sedifolia</i>	a Lichen	Y	Y	Y	U	Wider_agrochem, Wider_air	Wider_hab, Wider_agri			Other
<i>Tortula cernua</i>	Flamingo moss	Y	Y	N	N	Monit_known	Monit_known		SAP	Threat,Other
<i>Tortula cuneifolia</i>	Wedge-leaved Screw-moss	Y	N	Y	N	Monit_known	Site	Res_act		Other
<i>Tortula freibergii</i>	Freiberg's Screw-moss	Y	N	N	N	Monit_known	Site		SAP	Threat
<i>Tortula vahliana</i>	Chalk Screw-moss	Y	N	N	N	Site	Monit_known			Other
<i>Tortula wilsonii</i>	Wilson's Pottia	Y	N	Y	N	Monit_known	Site			Other
<i>Tracya hydrocharidis</i>	Frogbit Smut	U	N	U	U	Monit_known	Hab_cond	Monit_new		Other
<i>Tremella moriformis</i>	Mulberry Brain	Y	N	N	N	Res_ecol	Monit_known	Monit_new		Other
<i>Tremellodendropsis tuberosa</i>	Ashen Coral	Y	N	Y	N	Res_ecol	Monit_known	Monit_known		Other
<i>Tricholoma colossus</i>	Giant Knight	N	Y	N	N	Res_ecol	Hab_exp, Hab_cond	Monit_known		Other
<i>Tricholoma robustum</i>	Robust Knight	N	Y	N	N	Res_ecol	Hab_exp, Hab_cond	Monit_known		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Tulostoma melanocyclus</i>	Scaly Stalkball	Y	N	Y	N	Monit_known	Site	Monit_known		Other
<i>Tulostoma niveum</i>	Stalked Puffball	N	Y	N	N	Site	Monit_new	Site	SAP	Threat
<i>Umbilicaria spodochoa</i>	a Lichen	N	Y	N	N	Site	Site			Other
<i>Urocystis colchici</i>	Colchicum Smut	Y	N	Y	N	Monit_known	Res_act	Monit_new		Other
<i>Urocystis primulicola</i>	Bird's-eye Primrose Smut	Y	U	N	N	Monit_known	Res_act	Monit_known		Other
<i>Uromyces gentianae</i>	Felwort Rust	Y	N	N	N	Monit_known	Res_act	Monit_new		Other
<i>Usnea articulata</i>	a Lichen	Y	N	Y	N	Wider_agrochem, Wider_air	Hab_cond			Other
<i>Usnea florida</i>	a Lichen	Y	Y	Y	U	Wider_agrochem, Wider_air				Other
<i>Verrucaria xyloxena</i>	a Lichen	Y	N	N	N	Monit_known	Site			Other
<i>Vulpicida pinastris</i>	a Lichen	N	Y	N	N	Hab_cond				Other
<i>Wadeana dendrographa</i>	a Lichen	Y	Y	Y	N	Hab_cond	Hab_cond			Other
<i>Wadeana minuta</i>	a Lichen	Y	Y	N	N	Hab_cond				Other
<i>Weissia condensa</i>	Curly Beardless-moss	Y	Y	N	N	Hab_cond	Res_taxon	Monit_known		Other
<i>Weissia levieri</i>	Levier's Beardless-moss	Y	N	Y	N	Monit_known	Hab_cond			Other
<i>Weissia multcapsularis</i>	Moss	Y	N	N	N	Site	Site, Legal	Res_act	SAP	Threat,Other
<i>Weissia squarrosa</i>	Spreading-leaved beardless-moss	Y	Y	Y	N	Site	Wider_agri	Res_taxon	Statement	Other
<i>Weissia sterilis</i>	Sterile beardless-moss	Y	N	Y	N	Hab_cond	Monit_known		Statement	Other
<i>Zygodon forsteri</i>	Knothole Moss	Y	N	N	N	Site	Res_act	Wider_air	SAP	Threat,Other
<i>Zygodon gracilis</i>	Nowell's Limestone Moss	Y	N	N	N	Site	Wider_agrochem, Wider_agri	Res_act	SAP	Threat,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
MARINE SPECIES										
<i>Ammodytes marinus</i>	Lesser Sandeel	Y	Y	N	Y	Wider_fish				Decl
<i>Amphianthus dohrnii</i>	Sea-fan Anemone	Y	Y	N	N	Monit_known	Res_act	Monit_new	SAP	Resp_threat,Decl,Other
<i>Anotrichium barbatum</i>	Bearded Red Seaweed	Y	N	Y	N	Monit_known, Monit_new			SAP	Decl
<i>Aphanopus carbo</i>	Black Scabbardfish					Wider_fish			Grouped plan	Threat
<i>Arachnanthus sarsi</i>	Scarce Tube-dwelling Anemone	N	Y	N	Y	Wider_fish	Monit_known	Monit_new		Other
<i>Arrhis phyllonyx</i>	a Deep-sea Shrimp	N	Y	N	Y	Monit_known	Monit_new	Monit_known		Other
<i>Ascophyllum nodosum ecad mackii</i>	Wig Wrack or Sea-loch Egg Wrack		Y			Monit_known	Species	Species	SAP	Other
<i>Atrina fragilis</i>	Fan Mussel	Y	Y	Y	Y	Wider_fish	Res_other	Monit_new	SAP	Threat,Decl,Other
<i>Balaenoptera acutorostrata</i>	Minke Whale	N	Y	N	N				Grouped plan	Other
<i>Balaenoptera borealis</i>	Sei Whale	N	Y	N	N				Grouped plan	Other
<i>Balaenoptera musculus</i>	Blue Whale								Grouped plan	Other
<i>Balaenoptera physalus</i>	Fin Whale	N	Y	Y	Y				Grouped plan	Other
<i>Caretta caretta</i>	Loggerhead Turtle	Y	Y	Y		Wider_fish	Wider_intl	Monit_new	Grouped plan	Threat,Resp_threat
<i>Centrophorus granulosus</i>	Gulper shark									Threat, Other
<i>Centrophorus squamosus</i>	Leafscraper shark									Threat, Other
<i>Centroscymnus coelolepsis</i>	Portuguese dogfish									Threat
<i>Cetorhinus maximus</i>	Basking Shark	Y	Y	Y	Y	Legal	Legal	Res_ecol	SAP	Threat,Resp_threat,Decl
<i>Clavopsella navis</i>	Brackish hydroid					Hab_cond	Species	Monit_new	Statement	Threat,Decl,Other
<i>Clupea harengus</i>	Herring	Y	Y	Y		Wider_fish			Grouped plan	Other
<i>Coryphaenoides rupestris</i>	Roundnose grenadier					Wider_fish			Grouped plan	Threat,Other
<i>Cruoria cruoriaeformis</i>	a Red Seaweed	Y	N	Y	Y	Wider_fish	Monit_known	Monit_new		Threat,Resp_threat
<i>Dalatias licha</i>	Kitefin shark					Wider_fish				Threat
<i>Delphinus delphis</i>	Common Dolphin	N	N	Y	Y	Wider_fish	Monit_new, Monit_known		Grouped plan	Other
<i>Dermochelys coriacea</i>	Leatherback Turtle	Y	Y	Y		Wider_fish	Wider_intl	Monit_new	Grouped plan	Threat,Other
<i>Dermocorynus montagnei</i>	a Red Seaweed	Y	N	Y	N	Wider_fish	Monit_known	Monit_new		Threat,Resp_threat
<i>Dipturus batis</i>	Common skate									Threat

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Edwardsia timida</i>	Timid Burrowing Anemone	Y	N	N	N	Res_other	Monit_new			Threat,Resp_threat,Decl,Other
<i>Eubalaena glacialis</i>	Northern Right Whale								Grouped plan	Threat
<i>Eunicella verrucosa</i>	Pink Sea-fan	Y	N	Y	N	Wider_fish	Res_other	Res_ecol	SAP	Threat
<i>Fucus distichus</i>	Brown Algae	N	Y	N	N	Monit_known	Monit_new			Other
<i>Funiculina quadrangularis</i>	Tall Sea Pen	Y	Y	N	N	Wider_fish	Res_ecol		Statement	Threat,Other
<i>Gadus morhua</i>	Cod	Y	Y	Y		Wider_fish			Grouped plan	Threat,Other
<i>Galeorhinus galeus</i>	Tope Shark	Y	Y	Y	Y	Wider_fish				Threat
<i>Gitanopsis bispinosa</i>	an Amphipod Shrimp	N	Y	N	X		Monit_known			Other
<i>Globicephala melas (melaena)</i>	Long-finned Pilot Whale	Y	Y	Y	N	Monit_new, Monit_known			Grouped plan	Other
<i>Grampus griseus</i>	Risso`s Dolphin	N	Y	Y	Y	Monit_new, Monit_known			Grouped plan	Threat
<i>Halicystus auricula</i>	a Stalked Jellyfish	Y	Y	Y	Y	Res_other	Monit_new	Res_ecol		Decl,Other
<i>Hippocampus guttulatus</i>	Long-snouted Seahorse					Res_ecol	Legal	Res_ecol		Threat
<i>Hippocampus hippocampus</i>	Short-Snouted Seahorse	Y	N	N	N	Res_ecol	Legal	Res_ecol		Threat
<i>Hippoglossus hippoglossus</i>	Atlantic Halibut									Threat,Other
<i>Hoplostethus atlanticus</i>	Orange Roughy					Wider_fish			Grouped plan	Other
<i>Hyperodon ampullatus</i>	Northern Bottlenose Whale	N	N	Y		Monit_new, Monit_known			Grouped plan	Threat
<i>Isurus oxyrinchus</i>	Shortfin Mako									Threat
<i>Lagenorhynchus acutus</i>	Atlantic White-sided Dolphin					Wider_fish	Monit_new, Monit_known		Grouped plan	Other
<i>Lagenorhynchus albirostris</i>	White-beaked Dolphin								Grouped plan	Other
<i>Lamna nasus</i>	Porbeagle Shark	Y	Y	Y	U	Wider_fish	Res_ecol			Threat
<i>Leptopsammia pruvoti</i>	Sunset Cup Coral	Y	N	N	N	Res_ecol	Res_other		SAP	Decl,Other
<i>Leucoraja circularis</i>	Sandy Ray									Threat
<i>Lithothamnion coralloides</i>	Coral Maërl					Wider_fish	Res_other			Threat,Resp_threat,Other
<i>Lophius piscatorius</i>	Sea Monkfish	Y	Y	Y					Grouped plan	Other
<i>Lucernariopsis campanulata</i>	A Stalked Jellyfish					Res_other	Monit_new	Res_ecol		Decl,Other
<i>Lucernariopsis cruxmelitensis</i>	A Stalked Jellyfish					Res_other	Monit_new	Res_ecol		Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Megaptera novaeangliae</i>	Humpback Whale	N	Y	N	N				Grouped plan	Threat
<i>Merlangius merlangus</i>	Whiting	Y	Y	Y		Wider_fish			Grouped plan	Decl
<i>Merluccius merluccius</i>	European Hake	Y	N	Y		Wider_fish			Grouped plan	Other
<i>Mesoplodon bidens</i>	Sowerby's Beaked Whale								Grouped plan	Other
<i>Mesoplodon mirus</i>	True's Beaked Whale								Grouped plan	Other
<i>Micromesistius poutassiu</i>	Blue Whiting	Y	N	N		Wider_fish				Threat, Decl
<i>Mitella pollicipes</i>	Gooseneck Barnacle					Legal	Res_other	Monit_new		Threat
<i>Molva dypterygia</i>	Blue Ling					Wider_fish			Grouped plan	Threat, Decl
<i>Molva molva</i>	Ling	Y	Y	Y	N	Wider_fish			Grouped plan	Decl
<i>Orcinus orca</i>	Killer Whale	N	Y	N	N				Grouped plan	Other
<i>Ostrea edulis</i>	Native Oyster	Y	Y	Y	Y	Species	Hab_exp	Hab_cond	SAP	Decl
<i>Pachycerianthus multiplicatus</i>	Fireworks Anemone					Wider_fish	Monit_known	Monit_new		Other
<i>Padina pavonica</i>	Peacock's tail	Y	N	N	N	Monit_known	Monit_new			Other
<i>Palinurus elephas</i>	Crayfish, Crawfish or Spiny Lobster	Y	Y	Y	Y	Monit_known	Species	Res_ecol		Threat, Resp_threat
<i>Phoca vitulina</i>	Eastern Atlantic harbour seal/common Seal	Y	Y	U	Y	Wider_land	Legal			Resp_Threat
<i>Phocoena phocoena</i>	Harbour Porpoise	Y	Y	Y	Y	Wider_fish	Monit_new, Monit_known	Species	SAP	Threat, Other
<i>Phymatolithon calcareum</i>	Common Maërl									Threat, Other
<i>Physeter macrocephalus</i>	Sperm Whale								Grouped plan	Threat
<i>Pleuronectes platessa</i>	Plaice	Y	Y	Y		Wider_fish			Grouped plan	Decl
<i>Prionace glauca</i>	Blue shark	Y	Y	Y	Y	Wider_fish	Res_ecol			Threat, Other
<i>Raja undulata</i>	Undulate ray					Wider_fish				Threat
<i>Reinhardtius hippoglossoides</i>	Greenland halibut					Wider_fish			Grouped plan	Other
<i>Rostroraja alba</i>	White or Bottlenosed Skate					Wider_fish				Threat
<i>Scomber scombrus</i>	Mackerel					Wider_fish			Grouped plan	Threat, Decl, Other
<i>Solea vulgaris</i>	Sole					Wider_fish			Grouped plan	Decl
<i>Squalus acanthias</i>	Spiny Dogfish	Y	Y	Y	Y	Wider_fish				Threat
<i>Squatina squatina</i>	Angel Shark	N	Y	Y	N	Wider_fish				Threat

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Stenella coeruleoalba</i>	Striped Dolphin	N	N	Y	N	Monit_new, Monit_known			Grouped plan	Other
<i>Styela gelatinosa</i>	Loch Goil Sea Squirt	N	Y	N	N	Site	Monit_known	Monit_new	Statement	Other
<i>Swiftia pallida</i>	Northern Sea Fan	N	Y	N	N	Monit_known	Res_act	Monit_new		Other
<i>Tenellia adspersa</i>	Lagoon Sea Slug					Species	Species		Statement	Resp_threat
<i>Thunnus thynnus</i>	Blue-fin Tuna					Wider_fish				Threat,Other
<i>Trachurus trachurus</i>	Horse Mackerel	Y	N	Y		Wider_fish			Grouped plan	Other
<i>Tursiops truncatus</i>	Bottlenosed Dolphin	Y	Y	Y	Y	Species	Monit_new, Monit_known	Species	Grouped plan	Threat,Other
<i>Ziphius cavirostris</i>	Cuvier's Beaked Whale	N	N	Y	Y				Grouped plan	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
TERRESTRIAL and FRESHWATER INVERTEBRATES										
<i>Acosmetia caliginosa</i>	Reddish Buff					Site	Wider_hab		SAP	Decl,Other
<i>Acronicta psi</i>	Grey Dagger	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Acronicta rumicis</i>	Knot Grass	Y	Y			Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Adscita statices</i>	The Forester					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Aeshna isosceles</i>	Norfolk Hawker	Y	N	N	N	Wider_hab, Wider_land	Wider_land	Species		Other
<i>Agabus brunneus</i>	Brown Diving Beetle	Y	N	N	N	Wider_hab, Wider_water	Monit_new, Monit_known		SAP	Other
<i>Agonopterix atomella</i>	Greenweed Flat-body Moth					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl,Other
<i>Agonopterix capreolella</i>	Fuscous Flat-body Moth					Res_ecol	Monit_new, Monit_known	Site		Decl
<i>Agonum scitulum</i>	a Ground Beetle	Y				Res_ecol	Monit_known, Monit_new	Wider_hab		Decl
<i>Agrochola helvola</i>	Flounced Chestnut	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Agrochola litura</i>	Brown-spot Pinion	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Agrochola lychnidis</i>	Beaded Chestnut	Y		Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Agroeca cuprea</i>	Golden Lantern-spider	Y				Monit_new, Monit_known	Wider_hab	Hab_cond		Decl
<i>Agrotera nemoralis</i>	Beautiful Pearl					Res_ecol	Monit_known	Site		Other
<i>Aleucis distinctata</i>	Sloe Carpet					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Allophyes oxyacanthae</i>	Green-brindled Crescent	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Alopecosa fabrilis</i>	Great Fox-spider	Y				Monit_new, Monit_known	Wider_hab, Hab_cond	Hab_cond		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Altella lucida</i>	Dorset Mesh-weaver	Y				Monit_new, Monit_known	Wider_hab, Hab_cond	Hab_cond		Other
<i>Amara famelica</i>	Early Sunshiner	Y	N	N	N	Monit_known, Monit_new			SAP	Decl,Other
<i>Amara fusca</i>	Wormwood Moonshiner	Y		Y		Site	Monit_known, Monit_new	Wider_hab		Other
<i>Amiota variegata</i>	Variiegated Fruit-fly	Y				Res_ecol	Monit_new, Monit_known	Wider_wood		Decl,Other
<i>Ampedus rufipennis</i>	Red-horned Cardinal Click Beetle	Y		Y		Site, Wider_wood	Wider_wood		Grp Statement	Other
<i>Amphipoea oculea</i>	Ear Moth	Y	Y	Y	Y	Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Amphipyra tragopoginis</i>	Mouse Moth	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Anania funebris</i>	White-spotted Sable Moth					Res_ecol	Monit_new, Monit_known	Wider_hab, Wider_wood		Decl,Other
<i>Anarta cordigera</i>	Small Dark Yellow Underwing					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl,Other
<i>Andrena ferox</i>	Oak Mining Bee	Y	N	N	N	Wider_hab	Monit_new, Monit_known		SAP	Other
<i>Andrena tarsata</i>	Tormentil Mining Bee	Y	Y	Y	Y	Wider_hab, Wider_agri	Wider_hab	Monit_new, Monit_known		Threat
<i>Anergates atratulus</i>	Dark Guest Ant	X	N	N	N	Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Threat,Other
<i>Anisodactylus nemorivagus</i>	Heath Short-spur	Y				Hab_cond	Wider_hab, Hab_cond	Monit_known	Statement	Other
<i>Anisodactylus poeciloides</i>	Saltmarsh Short-spur	Y	N	N	N	Monit_known			SAP	Other
<i>Anisus vorticulus</i>	Little Whirlpool Ram`s-horn snail	Y	N	N	N	Hab_cond, Wider_water	Site	Monit_new, Monit_known	SAP	Threat,Resp_threat,Decl, Other
<i>Anostirus castaneus</i>	Chestnut Click Beetle	Y	N	Y	N	Site	Monit_new, Monit_known		SAP	Decl,Other
<i>Anthophora retusa</i>	Potter Flower Bee	Y	N	N	N	Wider_hab	Res_ecol	Monit_new, Monit_known		Threat

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Apamea anceps</i>	Large Nutmeg	Y		Y		Wider_agri, Wider_wood	Res_other	Monit_new, Monit_known		Decl
<i>Apamea remissa</i>	Dusky Brocade	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Aplasta ononaria</i>	Rest Harrow					Res_ecol	Monit_new, Monit_known	Site		Other
<i>Aplota palpella</i>	Scarce Brown Streak					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Aporophyla lutulenta</i>	Deep-brown Dart	Y				Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Archanara neurica</i>	White-mantled Wainscot					Res_ecol	Monit_new, Monit_known	Wider_hab		Other
<i>Arctia caja</i>	Garden Tiger	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Arctosa fulvilineata</i>	Yellow-striped Bear-spider	Y				Wider_CC, Wider_regnl	Monit_new, Monit_known	Hab_cond		Other
<i>Argynnis adippe</i>	High Brown Fritillary	Y	N	Y	N	Hab_cond	Site	Wider_agri	SAP	Decl,Other
<i>Aricia artaxerxes</i>	Northern Brown Argus	Y	Y	N	N	Hab_cond	Monit_new	Wider_agri	Statement	Decl,Other
<i>Armandia cirrhosa</i>	Lagoon Sandworm	Y	N	N	N	Species	Monit_known	Monit_new	Statement	Decl,Other
<i>Asilus crabroniformis</i>	Hornet robberfly	Y	N	Y	N	Wider_agri, Wider_agrochem	Res_ecol	Monit_new, Monit_known	SAP	Other
<i>Asindulum nigrum</i>	Black Fungus Gnat	Y				Wider_agrochem	Wider_water, Wider_agrochem	Monit_new, Monit_known		Resp_threat
<i>Aspitates gilvaria gilvaria</i>	Straw Belle					Monit_new	Wider_hab	Site	SAP	Decl,Other
<i>Asteroscopus sphinx</i>	The Sprawler	Y		Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Atethmia centrago</i>	Centre-barred Sallow	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Athetis pallustris</i>	Marsh Moth					Res_ecol	Monit_new	Site	SAP	Decl,Other
<i>Austropotamobius pallipes</i>	White-clawed freshwater crayfish	Y	Y	Y	Y	Wider_agrochem, Wider_water	Wider_land	Legal	SAP	Threat,Resp_threat,Decl, Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Bagous nodulosus</i>	Flowering Rush Weevil	Y				Wider_water, Wider_hab	Monit_new, Monit_known			Decl
<i>Baryphyma duffeyi</i>	Duffey's Bell-head Spider	Y				Wider_hab, Wider_CC	Monit_new, Monit_known	Hab_cond		Decl,Other
<i>Bembidion humerale</i>	Thorne Pin-palp	Y				Site		Hab_cond	Statement	Other
<i>Bembidion quadripustulatum</i>	Scarce Four-dot Pin-palp	Y		Y		Wider_hab	Monit_known, Monit_new	Res_ecol		Decl
<i>Bembidion testaceum</i>	Pale Pin-palp	Y	Y	Y		Wider_water	Monit_new, Monit_known		Grouped plan	Other
<i>Bidessus minutissimus</i>	Minutest Diving Beetle	X	Y	Y	N	Monit_new, Monit_known	Wider_land, Wider_water	Wider_land, Wider_water	SAP	Other
<i>Bidessus unistriatus</i>	One-grooved Diving Beetle	Y	N	N	N	Wider_hab, Wider_water	Monit_new, Monit_known		SAP	Other
<i>Blepharita adusta</i>	Dark Brocade	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Blera fallax</i>	a Hoverfly	N	Y	N	N	Wider_wood	Site		SAP	Other
<i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	Y	Y	Y	N	Hab_cond	Site	Wider_agri	SAP	Decl,Other
<i>Boloria selene</i>	Small Pearl-bordered Fritillary	Y	Y	Y	N	Hab_cond	Site	Wider_agri		Decl
<i>Bombus distinguendus</i>	Great Yellow Bumblebee	X	Y	X	Y	Wider_agri, Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Decl,Other
<i>Bombus humilis</i>	Brown-banded Carder-bee	Y	N	Y	N	Wider_agri, Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Bombus muscorum</i>	Moss Carder-bee		Y		Y	Wider_agri, Wider_hab	Wider_hab	Monit_new, Monit_known		Decl
<i>Bombus ruderarius</i>	Red-shanked Carder-bee	Y	Y	Y	Y	Wider_agri, Wider_hab	Wider_hab	Monit_new, Monit_known		Decl,Other
<i>Bombus ruderatus</i>	Large Garden Bumblebee	Y	N	X	N	Wider_agri, Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Bombus subterraneus</i>	Short-haired bumble-bee	X	N	X	N	Wider_agri, Wider_hab	Species		SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Bombus sylvarum</i>	Shrill Carder Bee	Y	N	Y	N	Wider_agri, Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Bombylius minor</i>	Heath bee-fly	Y	N	N	N	Wider_wood, Wider_land	Site		SAP	Other
<i>Botanophila fonsecai</i>	Fonseca's Seed Fly		Y			Site	Monit_new, Monit_known	Res_ecol		Threat,Other,Other
<i>Brachinus sclopeta</i>	Bombardier Beetle	Y				Site, Wider_plan	Monit_new, Monit_known			Other
<i>Brachylomia viminalis</i>	Minor Shoulder-knot	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Brachyptera putata</i>	Northern February Red	Y	X	Y	N	Wider_air, Wider_agrochem	Monit_new, Monit_known		SAP	Other
<i>Bracteon (=Bembidion) argenteolum</i>	Silt Silver-spot	Y	N	N	Y	Site	Monit_known, Monit_new		SAP	Other
<i>Byctiscus populi</i>	Poplar Leaf-rolling Weevil	Y	N	N	N	Site	Res_ecol	Monit_new, Monit_known	SAP	Other
<i>Callicera spinolae</i>	Golden Hoverfly	Y	N	N	N	Wider_land	Site	Monit_new, Monit_known	SAP	Other
<i>Calosoma inquisitor</i>	Lesser Searcher	Y	Y			Wider_hab, Hab_cond	Monit_known, Monit_new	Wider_wood		Decl
<i>Campsicnemus magius</i>	Fancy-legged Fly	Y				Wider_land, Wider_water	Monit_new, Monit_known	Res_ecol		Other
<i>Carabus intricatus</i>	Blue Ground Beetle	Y	N	N	N	Site	Hab_cond	Monit_known, Monit_new	SAP	Threat,Other
<i>Carabus monilis</i>	Necklace Ground Beetle	Y		Y		Wider_hab	Monit_known, Monit_new	Res_ecol		Other
<i>Caradrina morpheus</i>	Mottled Rustic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Carterocephalus palaemon</i>	Chequered Skipper	N	Y	N	N	Hab_cond	Monit_new	Wider_agri	SAP	Other
<i>Catocala promissa</i>	Light Crimson Underwing					Monit_new	Wider_hab, Wider_wood		SAP	Decl,Other
<i>Catocala sponsa</i>	Dark Crimson Underwing					Monit_new	Wider_hab, Wider_wood		SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Celaena haworthii</i>	Haworth's Minor	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Celaena leucostigma</i>	The Crescent	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Celypha woodiana</i>	Mistletoe Marble					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Centromerus serratus</i>	Serrated Tongue-spider	Y				Wider_hab	Monit_new, Monit_known			Decl
<i>Cerceris quadricincta</i>	Four-banded Weevil-wasp	X	N	N	N	Wider_hab, Wider_agri	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Cerceris quinquefasciata</i>	Five-banded Weevil-wasp	Y	N	N	N	Wider_hab, Wider_agri	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Chesias legatella</i>	The Streak	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Chesias rufata</i>	Broom-tip	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Chiasmia clathrata</i>	Latticed Heath	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Chlaenius tristis</i>	Black Night-runner	Y	N	Y	N	Site	Monit_known, Monit_new			Other
<i>Chlorita viridula</i>	Sea-wormwood Leafhopper	Y				Site, Wider_plan	Wider_hab	Monit_new, Monit_known		Other
<i>Chortodes brevilinea</i>	Fenn's Wainscot					Res_ecol	Monit_new, Monit_known	Wider_hab		Other
<i>Chortodes extrema</i>	The Concolorous					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Chrysis fulgida</i>	Ruby-tailed Wasp	Y	N	N	N	Wider_hab, Hab_cond	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Chrysolina graminis</i>	Tansy Beetle	Y				Site	Res_act	Monit_new, Monit_known		Other
<i>Chrysotoxum octomaculatum</i>	Broken-banded Wasp-hoverfly	Y				Site	Res_ecol	Monit_new, Monit_known	SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Chrysura hirsuta</i>	Northern Osmia Ruby-tailed Wasp		Y			Wider_hab	Wider_hab, Wider_CC	Monit_new, Monit_known	Statement	Other
<i>Cicadetta montana</i>	New Forest Cicada	Y				Monit_new			SAP	Decl,Other
<i>Cicindela germanica</i>	Cliff tiger beetle	Y	N	Y	N	Wider_regnl, Wider_hab	Monit_known, Monit_new	Hab_cond	SAP	Decl,Other
<i>Cicindela hybrida</i>	Northern dune tiger beetle	Y	X	Y	N	Monit_known	Wider_hab	Monit_known, Monit_new	SAP	Decl,Other
<i>Cicindela sylvatica</i>	Heath Tiger Beetle	Y	N	N	N	Site	Wider_hab, Hab_cond	Monit_known, Monit_new	SAP	Decl,Other
<i>Clorismia rustica</i>	Southern Silver Stiletto-fly	Y		Y		Monit_new, Monit_known	Res_ecol	Hab_cond, Wider_hab	SAP	Other
<i>Clubiona rosserae</i>	Rosser's Sac-spider	Y	N	N	N	Monit_known	Site	Wider_CC, Wider_water	SAP	Decl,Other
<i>Clusiodes geomyzinus</i>	Strathspey Clusiid Fly	N	Y	N	N	Hab_cond	Monit_new, Monit_known	Res_ecol		Decl
<i>Coenagrion mercuriale</i>	Southern Damselfly	Y	N	Y	N	Wider_hab, Wider_land	Wider_hab	Hab_cond	SAP	Threat,Other
<i>Coenonympha pamphilus</i>	Small Heath	Y	Y	Y	Y	Res_other	Monit_known			Decl
<i>Coenonympha tullia</i>	Large Heath	Y	Y	Y	Y	Monit_new	Hab_cond	Wider_agri		Threat,Decl
<i>Coleophora hydrolapathella</i>	Water-dock Case-bearer					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl,Other
<i>Coleophora tricolor</i>	Basil-thyme Case-bearer					Monit_new	Wider_hab	Site	SAP	Threat,Other
<i>Coleophora vibicella</i>	Large Gold Case-bearer					Res_ecol	Monit_new, Monit_known	Wider_hab		Other
<i>Coleophora wockeella</i>	Betony Case-bearer					Res_ecol	Monit_new, Monit_known	Wider_hab		Other
<i>Colletes floralis</i>	The Northern Colletes	Y	Y	N	Y	Wider_hab	Wider_hab, Wider_agri	Monit_new, Monit_known	SAP	Other
<i>Colletes halophilus</i>	Sea-aster Colletes Bee	Y				Wider_hab, Wider_CC	Monit_new, Monit_known			Threat
<i>Coscinia cribraria bivittata</i>	Speckled Footman					Res_ecol	Monit_new		SAP	Decl,Other
<i>Cosmia diffinis</i>	White-spotted Pinion					Monit_new	Wider_hab		SAP	Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Cossus cossus</i>	Goat Moth					Res_ecol	Monit_new, Monit_known	Wider_hab		Other
<i>Cryptocephalus coryli</i>	Hazel Pot Beetle	Y	N	N	N	Site	Monit_new, Monit_known		SAP	Other
<i>Cryptocephalus decemmaculatus</i>	Ten-spotted Pot Beetle	Y	Y			Site	Monit_new, Monit_known		Statement	Decl,Other
<i>Cryptocephalus exiguus</i>	Pashford Pot Beetle	Y	N	N	N	Site	Monit_new, Monit_known		SAP	Other
<i>Cryptocephalus nitidulus</i>	Shining Pot Beetle	Y	N	N	N	Site	Monit_new, Monit_known		SAP	Other
<i>Cryptocephalus primarius</i>	Rock-rose Pot Beetle	Y	N	N	N	Site	Monit_new, Monit_known		SAP	Other
<i>Cryptocephalus punctiger</i>	a Pot Beetle	Y				Site	Monit_new, Monit_known			Decl,Other
<i>Cryptocephalus sexpunctatus</i>	Six-spotted Pot Beetle	Y	X	N	N	Site	Monit_new, Monit_known		SAP	Other
<i>Cupido minimus</i>	Small Blue	Y	Y	Y	Y	Hab_cond	Site	Wider_agri		Decl
<i>Curimopsis nigrita</i>	Mire Pill-Beetle	Y	N	N	N	Site	Monit_new, Monit_known		SAP	Decl,Other
<i>Cyclophora pendularia</i>	Dingy Mocha					Monit_new	Wider_hab	Site	SAP	Other
<i>Cyclophora porata</i>	False Mocha					Res_ecol	Monit_new, Monit_known	Wider_hab, Wider_wood		Decl
<i>Cymatophorima diluta</i>	Oak Lutestring	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Dasypolia templi</i>	Brindled Ochre	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Decticus verrucivorus</i>	Wart-biter	Y	N	N	N	Res_ecol	Site	Monit_new, Monit_known	SAP	Other
<i>Diarsia rubi</i>	Small Square-spot	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Dictyna pusilla</i>	Small Mesh-weaver	Y	Y	Y		Monit_known				Decl

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Dicycla oo</i>	Heart Moth					Monit_new	Wider_hab, Wider_wood		SAP	Decl,Other
<i>Diloba caeruleocephala</i>	Figure Of Eight	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Dipoena inornata</i>	Silky Gallows-spider	Y		Y		Wider_hab	Monit_new, Monit_known			Decl
<i>Dolichopus laticola</i>	Broads Long-legged Fly	Y				Hab_cond, Wider_hab	Monit_new, Monit_known	Res_ecol		Resp_threat
<i>Dolichopus nigripes</i>	Bure Long-legged Fly	Y				Site	Monit_new, Monit_known	Res_ecol		Other
<i>Dolomedes plantarius</i>	Fen Raft Spider	Y	N	X	N	Site	Wider_CC, Wider_water	Monit_new, Monit_known	SAP	Other
<i>Donacia aquatica</i>	Zircon Reed Beetle	Y	X	X	Y	Wider_water, Wider_agrochem	Monit_new, Monit_known	Res_ecol	SAP	Other
<i>Donacia bicolora</i>	Two-tone Reed Beetle	Y	N	X	Y	Wider_hab	Monit_new, Monit_known		SAP	Decl,Other
<i>Doratura impudica</i>	Large Dune Leafhopper	Y				Site	Monit_new, Monit_known			Other
<i>Doros profuges</i>	Phantom Hoverfly	Y	X	X	N	Site	Res_ecol	Monit_new, Monit_known	SAP	Decl,Other
<i>Dorycera graminum</i>	Phoenix Fly	Y	N	N	N	Res_ecol	Monit_new, Monit_known	Site	SAP	Other
<i>Dorylomorpha clavifemora</i>	Clubbed Big-headed Fly	Y				Wider_hab, Wider_CC	Monit_new, Monit_known	Res_ecol		Resp_threat
<i>Dromius quadrisignatus</i>	a Ground Beetle	Y	Y			Wider_hab, Hab_cond	Monit_known, Monit_new	Res_ecol	Statement	Decl,Other
<i>Dromius vectensis</i>	a Ground Beetle	Y				Wider_hab, Wider_land	Site	Monit_known, Monit_new		Resp_threat
<i>Ecliptopera silaceata</i>	Small Phoenix	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Edwardsii ivelli</i>	Ivell's Sea Anemone	Y	N	N	N	Site			SAP	Threat,Resp_threat,Decl, Other
<i>Empis limata</i>	English Assassin Fly	Y		Y		Site	Res_ecol			Threat

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Ennomos erosaria</i>	September Thorn	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Ennomos fuscantaria</i>	Dusky Thorn	Y		Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Ennomos quercinaria</i>	August Thorn	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Entephria caesiata</i>	Grey Mountain Carpet	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Epermenia insecurella</i>	Chalk-hill Lance-wing					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl,Other
<i>Epione vespertaria</i>	Dark-bordered Beauty					Monit_new	Site		SAP	Other
<i>Epirrhoe galiata</i>	Galium Carpet	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Erebia epiphron</i>	Mountain Ringlet	Y	Y	N	N	Wider_CC, Wider_land	Res_ecol	Monit_new		Decl
<i>Eresus sandaliatus</i>	Ladybird Spider	Y				Site			SAP	Other
<i>Erigone welchi</i>	Welch's Money-spider	Y	Y	Y		Monit_known	Wider_CC, Wider_water			Decl
<i>Eristalis cryptarum</i>	Bog hoverfly	Y	X	X	Y	Site	Monit_new, Monit_known	Res_ecol	SAP	Decl,Other
<i>Erynnis tages</i>	Dingy Skipper	Y	Y	Y	N	Hab_cond	Site	Wider_agri		Decl
<i>Eucera longicornis</i>	Long-horned Bee	Y	N	N	N	Wider_hab	Monit_new, Monit_known	Res_ecol		Resp_threat
<i>Eudarcia richardsoni</i>	Dorset Tineid Moth					Res_ecol	Monit_new, Monit_known	Site		Threat,Resp_threat,Other
<i>Eugnorisma glareosa</i>	Autumnal Rustic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Eulithis mellinata</i>	The Spinach	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Eupithecia extensaria occidua</i>	Scarce Pug					Res_ecol	Monit_new, Monit_known	Wider_hab		Resp_threat,Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Eurodryas aurinia</i>	Marsh Fritillary	Y	Y	Y	Y	Hab_cond	Site	Wider_agri	SAP	Threat,Resp_threat,Decl,Other
<i>Eurysa douglasi</i>	Chalk Planthopper	Y				Site	Monit_new, Monit_known			Resp_threat,Decl
<i>Euscelis venosus</i>	Carline Thistle Leafhopper	Y				Site	Monit_new, Monit_known			Other
<i>Eustroma reticulata</i>	Netted Carpet					Monit_new, Monit_known	Wider_hab	Site	SAP	Other
<i>Euxoa nigricans</i>	Garden Dart	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Exapion genistae</i>	Petty Whin Weevil	Y				Site	Monit_new, Monit_known			Other
<i>Formica exsecta</i>	Narrow-headed Ant	Y	Y	N	N	Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Formica pratensis</i>	Black-Backed Meadow Ant	X	N	N	N	Wider_hab	Monit_new		SAP	Other
<i>Formica rufibarbis</i>	Red Barbed Ant	Y	N	N	N	Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Decl,Other
<i>Formicoxenus nitidulus</i>	Shining Guest Ant	Y	Y	Y		Wider_wood	Monit_known		Statement	Threat,Other
<i>Gammarus insensibilis</i>	Lagoon Sand-shrimp	Y				Site	Monit_new, Monit_known		Statement	Other
<i>Glossosoma intermedium</i>	Small Grey Sedge	Y				Wider_agrochem	Monit_known, Monit_known			Decl,Other
<i>Glyphesis cottonae</i>	Cotton's Amazon Spider	Y		Y		Monit_new, Monit_known	Wider_CC, Wider_water			Decl
<i>Gnophomyia elsneri</i>	Royal Splinter Crane-fly	Y				Site	Hab_cond, Wider_wood	Monit_new, Monit_known		Threat
<i>Gnorimus nobilis</i>	Noble Chafer	Y	N	N	N	Wider_agri	Monit_new, Monit_known		SAP	Other
<i>Gnorimus variabilis</i>	Variable Chafer	Y				Wider_wood	Site	Monit_new, Monit_known	Grp Statement	Other
<i>Graphiphora augur</i>	Double Dart	Y	Y	Y	Y	Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Graphoderus zonatus</i>	Spangled Diving Beetle	Y	N	N	N	Site, Wider_water	Monit_new, Monit_known		SAP	Other
<i>Grapholita pallifrontana</i>	Liquorice Piercer					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Gryllotalpa gryllotalpa</i>	Mole Cricket	Y	X	X	N	Monit_known			SAP	Other
<i>Gryllus campestris</i>	Field Cricket	Y				Site	Res_ecol		SAP	Other
<i>Gyraulus acronicus</i>	Thames Ram`s-horn Snail	Y	N	N	N	Hab_cond, Wider_land	Monit_new, Monit_known	Res_other		Decl
<i>Hadena albimacula</i>	White-spot					Monit_new, Monit_known	Wider_hab		Statement	Other
<i>Hagenella clathrata</i>	Window Winged Sedge	Y	Y			Site, Wider_hab	Monit_new, Monit_known			Other
<i>Hamearis lucina</i>	Duke of Burgundy	Y	N	Y	N	Site	Wider_agri	Hab_cond		Decl
<i>Hammerschmidtia ferruginea</i>	Aspen Hoverfly	N	Y	N	N	Site, Wider_hab	Site	Hab_cond, Wider_wood	SAP	Decl,Other
<i>Haplodrassus dalmatensis</i>	Heath Grasper	Y		Y		Wider_hab, Hab_cond	Monit_new, Monit_known			Decl
<i>Harpalus froelichi</i>	Brush-thighed Seed-eater	X	N	N	N	Wider_hab	Site	Monit_known, Monit_new	SAP	Decl,Other
<i>Harpalus honestus</i>	St. Bees Seed-eater	Y				Site	Monit_known, Monit_new			Decl,Other
<i>Harpalus melancholicus</i>	a Seed-eater Ground Beetle	Y		Y		Site	Res_ecol	Monit_known, Monit_new		Decl
<i>Heleobia stagnorum</i>	Lagoon Spire Snail	Y	N	N	N	Site	Hab_cond, Wider_land	Monit_new, Monit_known		Other
<i>Heliophobus reticulata</i>	Bordered Gothic					Res_ecol	Monit_new		SAP	Decl,Other
<i>Heliothis maritima</i>	Shoulder-striped Clover					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Helophorus laticollis</i>	New Forest Mud Beetle	Y				Site, Wider_water	Monit_new, Monit_known		SAP	Other
<i>Hemaris tityus</i>	Narrow-bordered Bee Hawk-moth					Res_ecol	Monit_new, Monit_known	Wider_hab	SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Hemistola chrysoprasaria</i>	Small Emerald	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Hepialus humuli</i>	Ghost Moth	Y	Y	Y	Y	Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Hipparchia semele</i>	Grayling	Y	Y	Y	N	Res_other	Site	Wider_agri		Decl
<i>Homonotus sanguinolentus</i>	Bloody Spider-hunting Wasp	Y	N	N	N	Wider_hab, Hab_cond	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Hoplodrina blanda</i>	The Rustic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Hydraecia micacea</i>	Rosy Rustic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Hydraecia osseola hucherardi</i>	Marsh Mallow Moth					Res_ecol	Monit_new, Monit_known	Wider_hab, Wider_agri	Statement	Other
<i>Hydrochus nitidicollis</i>	Gravel Water Beetle	Y				Wider_land, Wider_water	Monit_new, Monit_known		Grouped plan	Other
<i>Hydrometra gracilentata</i>	Lesser Water-measurer	Y				Site	Monit_new, Monit_known	Res_ecol	Statement	Other
<i>Hydroporus necopinatus roni</i>	Ron's Diving Beetle	Y				Site	Monit_new, Monit_known		Statement	Other
<i>Hydroporus rufifrons</i>	Oxbow Diving Beetle	Y	X	X	N	Wider_hab, Wider_water	Monit_new, Monit_known		SAP	Decl,Other
<i>Hydropsyche bulgaromanorum</i>	Scarce Grey Flag	Y				Site, Wider_water	Monit_new, Monit_known			Other
<i>Idaea dilutaria</i>	Silky Wave					Monit_new, Monit_known	Wider_hab	Site	SAP	Other
<i>Idaea ochrata cantiata</i>	Bright Wave					Res_ecol	Monit_new, Monit_known	Site	SAP	Other
<i>Idiocera sexguttata</i>	Six-spotted Crane-fly	Y		Y		Res_ecol	Monit_new, Monit_known	Site		Threat
<i>Ironoquia dubia</i>	Scarce Brown Sedge	Y				Monit_new, Monit_known	Res_ecol	Site		Decl
<i>Isogenus nubecula</i>	Scarce Yellow Sally	N	N	Y	N	Wider_water, Wider_agrochem	Monit_new, Monit_known			Threat,Decl

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Jodia croceago</i>	Orange Upperwing	Y		Y		Monit_new, Monit_known			SAP	Decl,Other
<i>Laccophilus poecilus</i>	Sussex Diving Beetle or Puzzled Skipper	Y				Wider_hab, Wider_water	Monit_new, Monit_known		SAP	Decl,Other
<i>Lacon querceus</i>	Oak Click Beetle	Y				Site	Wider_wood		Grp Statement	Other
<i>Lampronia capitella</i>	Currant-shoot Borer					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Lasioglossum angusticeps</i>	a Mining Bee	Y				Wider_hab	Wider_hab	Monit_new, Monit_known	Statement	Other
<i>Lasiommata megera</i>	Wall	Y	Y	Y	Y	Res_other	Monit_known			Decl
<i>Lebia cyanocephala</i>	Blue Plunderer	Y				Site	Res_ecol	Monit_known, Monit_new		Decl
<i>Leptidea sinapis</i>	Wood White	Y	N	Y	N	Hab_cond	Site	Wider_agri		Decl
<i>Limenitis camilla</i>	White Admiral	Y	N	N	N	Hab_cond	Site	Wider_hab		Decl
<i>Limoniscus violaceus</i>	Violet Click Beetle	Y	N	N	N	Site	Wider_wood		SAP	Threat,Other
<i>Lipara similis</i>	Cigarillo Gall-fly	Y				Wider_hab, Wider_CC	Monit_new, Monit_known	Res_ecol		Other
<i>Lipsothrix ecucullata</i>	Scottish Yellow Splinter	X	Y	X	Y	Wider_wood, Wider_hab	Monit_new, Monit_known	Res_ecol	SAP	Other
<i>Lipsothrix errans</i>	Northern Yellow Splinter	Y	Y	Y		Wider_wood, Wider_hab	Monit_new, Monit_known		Statement	Other
<i>Lipsothrix nervosa</i>	Southern Yellow Splinter	Y	X	Y	N	Wider_wood, Wider_hab	Monit_new, Monit_known		SAP	Other
<i>Lipsothrix nigristigma</i>	Scarce Yellow Splinter	Y		Y		Wider_wood, Wider_hab	Monit_new, Monit_known		SAP	Other
<i>Lithostege griseata</i>	Grey Carpet					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl,Other
<i>Lonchaea ragnari</i>	Viking Sword Fly		Y			Wider_wood	Wider_hab	Monit_new, Monit_known		Other
<i>Lophopus crystallinus</i>	Crystal Moss-animal	Y	N	X	N	Monit_new, Monit_known	Res_ecol	Site	SAP	Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Lucanus cervus</i>	Stag Beetle	Y	N	N	N	Monit_new, Monit_known			SAP	Other
<i>Luperina nickerlii leechi</i>	Sandhill Rustic (Cornish ssp.)					Monit_known	Site			Resp_threat,Decl,Other
<i>Lycia hirtaria</i>	Brindled Beauty	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Lycia zonaria britannica</i>	Belted Beauty					Res_ecol	Monit_new, Monit_known	Wider_hab	SAP	Other
<i>Macaria carbonaria</i>	Netted Mountain Moth	Y	Y	N	N	, Wider_wood	Monit_new, Monit_known		SAP	Other
<i>Macaria wauaria</i>	V-moth	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Macrosteles cyane</i>	Pondweed Leafhopper	Y				Site	Res_ecol	Monit_new, Monit_known		Other
<i>Maculinea arion</i>	Large Blue Butterfly	Y	N	N	N	Hab_cond	Site	Wider_agri	SAP	Threat,Other
<i>Malachius aeneus</i>	Scarlet Malachite Beetle	Y	N	N	N	Wider_agri	Res_ecol	Monit_new, Monit_known	SAP	Other
<i>Malacosoma neustria</i>	The Lackey	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Margaritifera margaritifera</i>	Freshwater pearl mussel	Y	Y	Y	Y	Wider_hab, Wider_water	Species	Res_other	SAP	Threat,Other
<i>Mecopisthes peusi</i>	Peus's Long-back Spider	Y		Y		Wider_hab, Hab_cond	Monit_new, Monit_known			Decl
<i>Megalomus hirtus</i>	Bordered Brown Lacewing	N	Y	N	N	Site	Res_ecol	Monit_new, Monit_known		Other
<i>Megapenthes lugens</i>	a Click Beetle	Y				Site	Wider_wood		Grp Statement	Decl,Other
<i>Meioneta mollis</i>	Thin Weblet	Y		Y		Wider_hab	Monit_new, Monit_known			Decl
<i>Melanapion minimum</i>	Sallow Guest Weevil	Y	N	X	N	Site	Res_ecol	Monit_new, Monit_known	SAP	Other
<i>Melanchra persicariae</i>	Dot Moth	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Melanchra pisi</i>	Broom Moth	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Melandrya barbata</i>	Bearded False Darkling Beetle	Y				Site	Monit_new, Monit_known	Res_ecol		Decl
<i>Melanotus punctolineatus</i>	Sandwich Click Beetle	Y	N	N	N	Site	Monit_new, Monit_known		SAP	Decl,Other
<i>Melanthia procellata</i>	Pretty Chalk Carpet	Y		Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Melitaea cinxia</i>	Glanville Fritillary	Y	N	N	N	Wider_CC, Wider_land	Res_ecol	Monit_new		Other
<i>Mellicta athalia</i>	Heath Fritillary	Y	N	N	N	Hab_cond	Site	Wider_agri	SAP	Decl,Other
<i>Meloe proscarabaeus</i>	Black Oil-beetle	Y		Y		Res_ecol	Monit_new, Monit_known			Decl
<i>Meloe rugosus</i>	Rugged Oil-beetle	Y				Res_ecol	Monit_new, Monit_known			Decl,Other
<i>Meloe violaceus</i>	Violet Oil-beetle	Y	Y			Res_ecol	Monit_new, Monit_known			Other
<i>Meotica anglica</i>	Shingle Rove Beetle	Y	N	Y	N	Wider_land, Wider_water	Monit_new, Monit_known		Grouped plan	Other
<i>Mercuria similis</i>	Swollen Spire Snail	Y	N	N	N	Hab_cond	Res_ecol	Monit_new		Other
<i>Mesoligia literosa</i>	Rosy Minor	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Metaiulus pratensis</i>	Kentish Snake Millipede	Y				Site	Res_ecol	Monit_new, Monit_known		Resp_threat,Decl,Other
<i>Midia midas</i>	Midas Tree-weaver	Y				Wider_hab	Monit_new, Monit_known	Hab_cond		Decl
<i>Minoa murinata</i>	Drab looper					Monit_new, Monit_known	Wider_hab	Site	Statement	Other
<i>Monocephalus castaneipes</i>	Broad Groove-head Spider	Y				Wider_hab	Monit_new, Monit_known			Decl
<i>Myolepta potens</i>	Western Wood-vase Hoverfly	Y				Wider_hab	Res_ecol	Monit_new, Monit_known	Statement	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Mythimna comma</i>	Shoulder-striped Wainscot	Y	Y	Y	Y	Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Myxas glutinosa</i>	Glutinous Snail	X	N	Y	N	Wider_agrochem	Res_ecol	Species	SAP	Decl,Other
<i>Nemapogon picarella</i>	Pied Tineid Moth					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl,Other
<i>Nematopogon magna</i>	Scarce Long-horn Moth					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Nematostella vectensis</i>	Starlet Sea Anemone	Y	N	N	N	Hab_cond	Species		SAP	Other
<i>Nemophora fasciella</i>	Horehound Long-horn Moth					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Neoempheria lineola</i>	a Fungus Gnat	Y	N	N	N	Wider_hab	Res_ecol	Monit_new, Monit_known		Resp_threat
<i>Nigrobaetis niger</i>	Iron Blue Mayfly	Y	Y	Y		Wider_land, Wider_water	Monit_new, Monit_known	Res_ecol		Decl
<i>Niphargus glenniei</i>	British Cave Shrimp	Y				Monit_new, Monit_known				Other
<i>Noctua orbona</i>	Lunar Yellow Underwing					Res_ecol	Monit_new, Monit_known	Wider_hab	SAP	Other
<i>Nomada armata</i>	a Cuckoo Bee	Y	N	N	N	Wider_hab, Wider_agri	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Nomada errans</i>	a Cuckoo Bee	X	N	N	N	Wider_hab	Monit_new		SAP	Other
<i>Nothogeophilus turki</i>	Turk's Earth-centipede	Y				Monit_new, Monit_known	Res_ecol			Threat,Resp_threat,Decl
<i>Nothophantes horridus</i>	Horrid Ground-weaver	Y				Site	Monit_new, Monit_known			Other
<i>Notioscopus sarcinatus</i>	Swamp Lookout Spider	Y	Y	Y		Wider_CC, Wider_water	Monit_new, Monit_known	Hab_cond		Decl
<i>Oberea oculata</i>	Eyed Longhorn Beetle	Y	N	N	N	Site	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Ochthebius poweri</i>	Rockface Beetle	Y		Y		Wider_hab, Wider_land	Monit_new, Monit_known		Statement	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Odontomyia hydroleon</i>	Barred Green Colonel	Y	N	Y	N	Site	Monit_new, Monit_known	Res_ecol	SAP	Decl,Other
<i>Odynerus melanocephalus</i>	Black-headed Mason-wasp	Y				Wider_hab	Wider_hab	Monit_new, Monit_known		Other
<i>Odynerus simillimus</i>	Fen Mason-wasp	Y				Wider_hab, Wider_CC	Monit_new, Monit_known			Other
<i>Omphiscola glabra</i>	Mud Snail	Y	Y	Y	N	Hab_cond	Monit_known	Res_act		Other
<i>Ophonus laticollis</i> (= <i>Harpalus punctatulus</i>)	Set-aside Downy-back	Y				Wider_hab, Wider_agri	Hab_cond	Monit_known, Monit_new	Grp Statement	Decl,Other
<i>Ophonus melletii</i>	Mellet's Downy-back	Y				Hab_cond	Monit_known, Monit_new	Res_other		Decl
<i>Ophonus puncticollis</i>	a Downy-back Ground Beetle	Y		Y		Monit_known, Monit_new	Monit_known			Decl
<i>Ophonus stictus</i>	Oolite Downy-back	Y				Wider_land	Site, Wider_land	Monit_known, Monit_new	Statement	Decl,Other
<i>Orgyia recens</i>	Scarce Vapourer					Res_ecol	Monit_new, Monit_known	Wider_hab		Decl
<i>Oria musculosa</i>	Brighton Wainscot	Y				Monit_new			SAP	Decl,Other
<i>Orthonama vittata</i>	Oblique Carpet	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Orthosia gracilis</i>	Powdered Quaker	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Osmia inermis</i>	a Mason Bee		Y			Wider_hab	Wider_agri, Wider_wood	Monit_new, Monit_known	SAP	Other
<i>Osmia parietina</i>	Wall Mason Bee	Y	X	Y	N	Wider_hab	Monit_known		SAP	Other
<i>Osmia uncinata</i>	a Mason Bee	N	Y	N	N	Hab_cond, Wider_hab	Monit_new, Monit_known		SAP	Other
<i>Osmia xanthomelana</i>	Large Mason Bee	X	N	X	N	Wider_hab	Wider_hab	Monit_new, Monit_known	SAP	Decl,Other
<i>Ozyptila nigrita</i>	Southern Crablet	Y				Wider_hab	Monit_new, Monit_known	Hab_cond		Decl
<i>Panagaeus cruxmajor</i>	Crucifix ground beetle	Y	N	Y	N	Monit_known			SAP	Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Paracolax tristalis</i>	Clay Fan-Foot					Res_ecol	Monit_new, Monit_known	Wider_hab	Statement	Other
<i>Pareulype berberata</i>	Barberry Carpet					Monit_new, Monit_known	Wider_hab	Site	SAP	Other
<i>Pechipogo strigilata</i>	Common Fan-foot					Monit_new, Monit_known	Wider_hab		SAP	Decl,Other
<i>Pelurga comitata</i>	Dark Spinach	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Perizoma albulata albulata</i>	Grass Rivulet	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Phaonia jaroschewskii</i>	Hairy Canary	Y				Wider_hab	Monit_new, Monit_known	Res_ecol		Other
<i>Philodromus fallax</i>	Sand Running-spider	Y				Wider_hab, Wider_CC	Monit_new, Monit_known	Hab_cond		Decl
<i>Philodromus margaritatus</i>	Lichen Running-spider	Y	Y			Monit_new, Monit_known	Wider_hab			Decl
<i>Phyllonorycter sagitella</i>	Scarce Aspen Midget Moth					Res_ecol	Monit_new, Monit_known	Site		Other
<i>Phyllonorycter scabiosella</i>	Surrey Midget Moth					Res_ecol	Monit_new, Monit_known	Site		Other
<i>Physatocheila smreczynskii</i>	Apple Lace-bug	Y				Wider_agri, Wider_wood	Monit_new, Monit_known	Res_ecol		Other
<i>Pisidium tenuilineatum</i>	Fine-lined Pea Mussel	Y	N	Y	N	Hab_cond, Wider_agrochem	Monit_new, Monit_known	Res_other	SAP	Other
<i>Platycis cosnardi</i>	Cosnard's Net-winged Beetle	Y				Site	Monit_known			Other
<i>Plebejus argus</i>	Silver-studded Blue	Y	N	Y	N	Site	Wider_agri	Hab_cond	SAP	Other
<i>Poecilus (=Pterostichus) kugelanni</i>	Kugelann's Green Clock	Y	N	X	N	Wider_hab, Hab_cond	Site	Hab_cond	SAP	Decl,Other
<i>Pogonus luridipennis</i>	Yellow Pogonus	Y	N	Y	N	Wider_hab	Site, Wider_land	Monit_known, Monit_new		Decl,Other
<i>Polia bombycina</i>	Pale Shining Brown					Res_ecol	Monit_new, Monit_known		SAP	Decl,Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Polyzonium germanicum</i>	Boring Millipede	Y				Site	Res_act	Monit_new, Monit_known		Decl
<i>Potamanthus luteus</i>	Yellow Mayfly	N	Y	N	N	Wider_land, Wider_water	Monit_new, Monit_known	Res_ecol		Decl
<i>Prostoma jenningsi</i>	Jennings's Ribbon-worm	Y				Site, Wider_water			Statement	Threat,Other
<i>Protolampra sobrina</i>	Cousin German	Y	Y	N	N	Res_ecol	Monit_new	Wider_hab	Statement	Other
<i>Pseudanodonta complanata</i>	Depressed (or compressed) river mussel	Y	N	Y	N	Wider_hab	Res_other	Monit_known	SAP	Other
<i>Pseudepipona herrichii</i>	Purbeck Mason Wasp	Y	N	N	N	Wider_hab, Hab_cond	Wider_hab	Monit_new, Monit_known	SAP	Other
<i>Pseudeuophrys obsoleta</i>	Whelk-shell Jumper	Y				Wider_hab, Wider_CC	Monit_new, Monit_known		SAP	Other
<i>Psylliodes luridipennis</i>	Lundy Cabbage Flea Beetle	Y				Site			Statement	Other
<i>Pyrausta sanguinalis</i>	Scarce Crimson And Gold					Res_ecol	Monit_new, Monit_known	Site		Other
<i>Pyrgus malvae</i>	Grizzled Skipper	Y	N	Y	N	Hab_cond	Site	Wider_agri		Decl
<i>Pyropteron chrysidiformis</i>	Fiery Clearwing					Monit_new, Monit_known	Wider_hab	Site	SAP	Other
<i>Quickella arenaria</i>	Sandbowl Snail	Y	N	X	N	Site	Monit_new, Monit_known		SAP	Threat,Other
<i>Rhabdomastix japonica</i>	River-shore Cranefly	Y	Y	Y		Monit_new, Monit_known	Res_ecol	Wider_hab		Other
<i>Rhamphomyia hirtula</i>	an Assassin Fly	N	Y	N	N	Wider_CC, Wider_agri	Monit_new, Monit_known	Res_ecol		Resp_threat,Other
<i>Rheumaptera hastata</i>	Argent and sable					Res_ecol	Monit_new, Monit_known	Wider_hab	SAP	Decl,Other
<i>Rhynchaenus testaceus</i>	Alder Flea Weevil	Y	N	N	N	Site			SAP	Other
<i>Ribautodelphax imitans</i>	Tall Fescue Planthopper	Y				Wider_agri	Wider_agri			Other
<i>Saaristoa firma</i>	Triangle Hammock-spider	Y	Y	Y		Wider_CC, Wider_water	Monit_new, Monit_known	Hab_cond		Decl
<i>Saldula setulosa</i>	Hairy Shore-bug	Y				Site				Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Salticella fasciata</i>	Dune Snail-killing Fly	Y		Y		Wider_plan, Wider_land	Site	Monit_new, Monit_known		Decl
<i>Satyrium w-album</i>	White Letter Hairstreak	Y	N	Y	N	Hab_exp	Wider_agri	Site		Decl
<i>Sciota hostilis</i>	Scarce Aspen Knot-horn					Res_ecol	Monit_new, Monit_known	Site		Decl
<i>Scopula marginepunctata</i>	Mullein Wave	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Scotopteryx bipunctaria</i>	Chalk Carpet					Monit_new, Monit_known	Wider_hab		Statement	Other
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Scythris siccella</i>	Least Owlet					Res_ecol	Monit_new, Monit_known	Site		Other
<i>Segmentina nitida</i>	The Shining Ram`s-horn	Y	N	N	N	Site, Wider_water	Res_act	Monit_known	SAP	Other
<i>Semljicola caliginosus</i>	Cloud-living Spider	Y	Y			Wider_hab, Wider_water	Monit_new, Monit_known			Threat,Resp_threat,Decl
<i>Shargacucullia lychnitis</i>	Striped Lychnis					Monit_new, Monit_known	Wider_hab	Site	SAP	Other
<i>Silometopus incurvatus</i>	Bend-bearing Blunt-brow Spider	Y	Y			Wider_hab, Wider_CC	Monit_new, Monit_known	Hab_cond		Decl
<i>Siona lineata</i>	Black-veined Moth					Monit_new, Monit_known	Wider_hab	Site	SAP	Decl,Other
<i>Sitticus caricis</i>	Sedge Jumper	Y		Y		Wider_hab, Hab_cond	Monit_new, Monit_known	Hab_cond		Decl
<i>Sitticus distinguendus</i>	Distinguished Jumper	Y				Site	Wider_plan	Monit_new, Monit_known		Resp_threat,Decl
<i>Sphaerium solidum</i>	Witham Orb Mussel	Y	N	N	N	Hab_cond, Wider_agrochem	Hab_cond, Wider_agrochem	Monit_new, Monit_known		Decl,Other
<i>Spilosoma lubricipeda</i>	White Ermine	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Spilosoma luteum</i>	Buff Ermine	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Stenus longitarsis</i>	a Camphor Beetle	Y				Res_other	Monit_new, Monit_known			Decl
<i>Stenus palposus</i>	Lough Neagh Camphor Beetle				Y	Monit_known			SAP	Decl,Other
<i>Stethophyma grossum</i>	Large Marsh Grasshopper	Y	N	N	N	Site	Monit_new, Monit_known		SAP	Decl,Other
<i>Stigmella zelleriella</i>	Sandhill Pigmy Moth					Res_ecol	Monit_new, Monit_known	Site		Decl
<i>Stilbia anomala</i>	The Anomalous	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Synaptus filiformis</i>	Hairy Click Beetle	Y	N	X	N	Site	Monit_new, Monit_known		SAP	Decl,Other
<i>Syncopacma albipalpella</i>	Slate Sober Moth					Res_ecol	Monit_new, Monit_known	Site		Decl,Other
<i>Syncopacma suecicella</i>	Western Sober Moth					Res_ecol	Monit_new, Monit_known	Site		Other
<i>Tapinocyba mitis</i>	Gentle Groove-head Spider	Y				Wider_hab, Hab_cond	Monit_new, Monit_known	Hab_cond		Threat,Resp_threat,Decl
<i>Tapinoma erraticum</i>	Erratic Ant	Y	Y			Wider_hab	Wider_hab	Monit_new, Monit_known		Decl
<i>Temnothorax interruptus</i>	Long-spined Ant	Y				Wider_hab	Wider_hab	Monit_new, Monit_known		Resp_threat
<i>Thalera fimbrialis</i>	Sussex Emerald					Res_ecol	Monit_new, Monit_known	Wider_hab		Other
<i>Thecla betulae</i>	Brown Hairstreak	Y	N	Y	N	Hab_cond	Site	Wider_agri		Decl
<i>Thinobius newberyi</i>	Newbery's Rove Beetle	Y	N	Y	N	Wider_land, Wider_water	Monit_new, Monit_known		Grouped plan	Other
<i>Tholera cespitis</i>	Hedge Rustic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Tholera decimalis</i>	Feathered Gothic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Thymelicus acteon</i>	Lulworth Skipper	Y				Wider_agri	Site	Wider_agri		Threat

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Thyridanthrax fenestratus</i>	Mottled Bee-fly	Y	N	N	N	Wider_plan, Wider_land	Site	Monit_new, Monit_known	SAP	Other
<i>Timandra comae</i>	Blood-vein	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Trachysphaera lobata</i>	Sand Pill-millipede	Y				Site	Res_ecol	Monit_new, Monit_known		Decl,Other
<i>Trichiura crataegi</i>	Pale Eggar	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Trichopteryx polycommata</i>	Barred Tooth-striped					Res_ecol	Monit_new, Monit_known	Wider_hab	SAP	Other
<i>Triops cancriformis</i>	Tadpole shrimp	Y	Y			Site	Monit_new, Monit_known		SAP	Other
<i>Trisateles emortualis</i>	Olive crescent					Res_ecol	Monit_new, Monit_known	Wider_hab, Wider_wood	Statement	Decl,Other
<i>Truncatellina cylindrica</i>	Cylindrica whorl snail	Y	Y	N	N	Site	Res_ecol	Monit_new, Monit_known		Decl
<i>Tyria jacobaeae</i>	The Cinnabar	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Tyta luctuosa</i>	Four-Spotted Moth					Res_ecol	Monit_new, Monit_known	Site	SAP	Other
<i>Valvata macrostoma</i>	Large-mouthed Valve Snail	Y	N	N	N	Site, Wider_water	Hab_cond, Wider_water	Res_act		Threat,Other
<i>Vertigo angustior</i>	Narrow-mouther Whorl snail	Y	Y	Y	Y	Hab_cond, Wider_CC	Wider_hab	Monit_new, Monit_known	SAP	Threat,Decl,Other
<i>Vertigo genesii</i>	Round-mouthed Whorl Snail	Y	Y	N	N	Wider_hab	Monit_new, Monit_known	Res_taxon	SAP	Threat,Other
<i>Vertigo geyeri</i>	Geyer's Whorl Snail	Y	Y	Y	Y	Hab_cond, Wider_agri	Monit_new, Monit_known	Site	SAP	Threat,Other
<i>Vertigo modesta</i>	Cross Whorl Snail	N	Y	N	N	Site	Monit_new, Monit_known			Other
<i>Vertigo moulinsiana</i>	Desmoulin's Whorl Snail	X	N	X	N	Wider_hab	Res_act	Monit_new, Monit_known	SAP	Threat,Other
<i>Victorella pavida</i>	Trembling Sea-mat	Y	N	N	N	Site	Res_taxon			Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Walckenaeria corniculans</i>	Small-horned Walckenaer	Y				Wider_hab	Monit_new, Monit_known	Hab_cond		Decl
<i>Watsonalla binaria</i>	Oak Hook-tip	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Xanthia gilvago</i>	Dusky-lemon Sallow	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Xanthia icteritia</i>	The Sallow	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Xanthorhoe decoloraria</i>	Red Carpet	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Xanthorhoe ferrugata</i>	Dark-barred Twin-spot Carpet	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Xestia agathina</i>	Heath Rustic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Xestia alpicola alpina</i>	Northern Dart					Res_CC	Monit_new, Monit_known	Wider_hab	Statement	Decl,Other
<i>Xestia ashworthii</i>	Ashworth`s Rustic					Res_ecol	Monit_new, Monit_known		Statement	Other
<i>Xestia castanea</i>	Neglected Rustic	Y	Y	Y		Wider_agri, Wider_wood	Res_other	Monit_known, Monit_new		Decl
<i>Xylena exsoleta</i>	Sword-Grass					Res_ecol	Monit_new, Monit_known		SAP	Other
<i>Zygaena loti scotica</i>	Slender Scotch Burnet					Res_ecol	Monit_new, Monit_known	Site	SAP	Resp_threat,Decl,Other
<i>Zygaena viciae argyllensis</i>	New Forest Burnet					Res_ecol	Monit_new, Monit_known	Site	SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
TERRESTRIAL MAMMALS										
<i>Arvicola terrestris</i>	Water Vole	Y	Y	Y	N	Species	Monit_new, Monit_known	Hab_cond	SAP	Decl,Other
<i>Barbastella barbastellus</i>	Barbastelle Bat	Y	N	Y	N	Hab_cond	Res_ecol	Monit_new, Monit_known	SAP	Threat,Other
<i>Erinaceus europaeus</i>	West European Hedgehog	Y	Y	Y	Y	Monit_new, Monit_known	Res_act	Hab_cond		Decl
<i>Felis silvestris</i>	Wildcat	N	Y	N	N	Monit_new, Monit_known	Res_taxon	Species		Threat,Other
<i>Lepus europaeus</i>	Brown Hare	Y	Y	Y	Y	Wider_agri	Monit_new, Monit_known	Wider_agri	SAP	Other
<i>Lepus timidus</i>	Mountain Hare	Y	Y	N	Y	Monit_new, Monit_known	Species	Res_other		Other
<i>Lutra lutra</i>	Otter	Y	Y	Y	Y	Wider_water, Wider_hab	Monit_new, Monit_known	Res_ecol	SAP	Other
<i>Martes martes</i>	Pine Marten	Y	Y	Y	Y	Hab_exp	Hab_cond	Species		Other
<i>Micromys minutus</i>	Harvest Mouse	Y	N	Y	N	Wider_hab	Wider_land	Wider_agri		Decl,Other
<i>Muscardinus avellanarius</i>	Dormouse	Y	N	Y	N	Wider_hab	Species	Monit_new, monit_known	SAP	Decl,Other
<i>Mustela putorius</i>	Polecat	Y	Y	Y	N	Wider_hab	Monit_new, Monit_known	Res_taxon		Other
<i>Myotis bechsteinii</i>	Bechstein's Bat	Y	N	Y	N	Hab_cond	Site	Monit_new, Monit_known	SAP	Threat,Other
<i>Nyctalus noctula</i>	Noctule	Y	Y	Y	N	Wider_agri	Wider_wood	Monit_new, Monit_known		Decl
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	Y	Y	Y	Y	Wider_plan, Wider_comms	Wider_agri, Wider_water	Monit_new, Monit_known	SAP	Decl,Other
<i>Plecotus auritus</i>	Brown long-eared bat	Y	Y	Y	Y	Wider_agri	Wider_plan	Monit_new, Monit_known		Decl
<i>Rhinolophus ferrumequinum</i>	Greater Horseshoe Bat	Y	N	Y	N				SAP	Other
<i>Rhinolophus hipposideros</i>	Lesser Horseshoe Bat	Y	N	Y	N	Wider_agri, Wider_wood	Wider_land, Wider_plan	Monit_new, Monit_known	SAP	Other
<i>Sciurus vulgaris</i>	Red Squirrel	Y	Y	Y	Y	Hab_cond	Res_ecol	Monit_new, Monit_known	SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
VASCULAR PLANTS										
<i>Adonis annua</i>	Pheasants-eye	Y	U	N	N	Res_ecol	Monit_known	Wider_agri, Hab_cond		Decl
<i>Ajuga chamaepitys</i>	Ground-pine	Y	N	N	N	Hab_cond	Monit_known			Other
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Y	Y	N	Y	Res_other	Site	Hab_cond		Other
<i>Alchemilla acutiloba</i>	Lady`s mantle	Y	Y	N	N	Hab_cond	Hab_cond, Species	Monit_known, Monit_new		Other
<i>Alchemilla micans</i>	a Lady's-mantle	Y	Y	N	N	Legal	Hab_cond	Site		Other
<i>Alchemilla minima</i>	Alchemilla	Y	N	N	N	Res_taxon	Site		SAP	Other
<i>Alchemilla monticola</i>	a Lady`s mantle	Y	N	N	N	Hab_cond	Hab_cond, Species	Monit_known, Monit_new		Other
<i>Alchemilla subcrenata</i>	a Lady`s mantle	Y	N	N	N	Monit_known	Hab_cond	Hab_cond, Species		Other
<i>Alisma gramineum</i>	Ribbon-leaved Water-plantain	Y	N	N	N	Hab_cond	Hab_cond	Species	SAP	Other
<i>Apium repens</i>	Creeping Marshwort	Y	N	N	N	Wider_agri	Res_ecol	Wider_agri	SAP	Other
<i>Arabis glabra</i>	Tower Mustard	Y	N	N	N	Site	Wider_agri	Species	SAP	Decl,Other
<i>Arenaria norvegica norvegica</i>	Arctic Sandwort	N	Y	N	N	Res_other	Hab_cond	Site		Other
<i>Armeria maritima elongata</i>	Tall Thrift	Y	N	N	N	Site	Hab_cond, Species	Monit_known, Monit_new		Decl
<i>Arnoseris minima</i>	Lamb`s Succory	Y	N	N	N	Site	Species	Hab_cond		Other
<i>Artemisia campestris</i>	Field Wormwood	Y	N	Y	N	Site	Hab_exp, Species	Res_ecol		Other
<i>Artemisia norvegica</i>	Norwegian Mugwort	N	Y	N	N	Site	Monit_new	Res_ecol	SAP	Other
<i>Asparagus officinalis prostratus</i>	Wild Asparagus	Y	N	Y	N	Hab_cond	Res_act	Monit_known	SAP	Other
<i>Astragalus alpinus</i>	Alpine Milk-vetch	N	Y	N	N	Hab_cond	Monit_known	Site		Other
<i>Astragalus danicus</i>	Purple Milk-vetch	Y	Y	N	N	Hab_cond	Hab_exp	Monit_known		Other
<i>Atriplex pedunculata</i>	Pedunculate Sea-purslane	Y	N	N	N	Site	Site	Site		Other
<i>Blysmus compressus</i>	Flat-sedge	Y	Y	Y	N	Hab_cond	Site	Monit_known		Other
<i>Bromus interruptus</i>	Interrupted Brome	Y	N	N	N				SAP	Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Bupleurum rotundifolium</i>	Thorow-wax	Y	U	N	N	Res_act	Monit_new	Res_taxon		Decl
<i>Bupleurum tenuissimum</i>	Slender Hare`s-ear	Y	N	Y	N	Hab_cond	Wider_regnl	Site, Wider_agri		Other
<i>Calamagrostis scotica</i>	Scottish Small-reed	N	Y	N	N	Site			SAP	Threat,Other
<i>Calamagrostis stricta</i>	Narrow Small-reed	Y	Y	N	Y	Monit_new	Hab_cond			Other
<i>Campanula patula</i>	Spreading Bellflower	Y	N	Y	N	Res_act	Monit_known	Hab_cond		Other
<i>Campanula rapunculus</i>	Rampion Bellflower	Y	Y	U	N	Res_act	Monit_new	Site		Decl
<i>Carex depauperata</i>	Starved Wood-sedge	Y	N	N	N	Site	Site	Monit_known		Other
<i>Carex divisa</i>	Divided Sedge	Y	N	Y	N	Hab_cond				Other
<i>Carex ericetorum</i>	Rare Spring-sedge	Y	N	N	N	Hab_cond	Hab_exp	Monit_known, Monit_new		Other
<i>Carex maritima</i>	Curved Sedge	Y	Y	N	N	Hab_cond	Site	Monit_new		Resp_threat
<i>Carex vulpina</i>	True Fox Sedge	Y	X	N	N	Monit_known	Res_taxon		SAP	Other
<i>Carum carvi</i>	Caraway	Y	Y	Y	N	Monit_known	Hab_cond	Hab_exp		Decl
<i>Centaurea calcitrapa</i>	Red Star-thistle	Y	N	N	N	Monit_known	Hab_cond	Hab_exp, Wider_land		Decl
<i>Centaurea cyanus</i>	Cornflower	Y	X	Y	Y	Monit_known	Wider_agri, Wider_land	Hab_cond	SAP	Other
<i>Centaureum scilloides</i>	Perennial Centaury	Y	N	Y	N	Site	Site	Site		Other
<i>Cephalanthera damasonium</i>	White Helleborine	Y	N	Y	N	Hab_cond	Monit_known	Wider_land		Decl
<i>Cephalanthera longifolia</i>	Narrow-leaved Helleborine	Y	Y	Y	N	Hab_cond	Monit_known	Wider_land		Other
<i>Cephalanthera rubra</i>	Red Helleborine	Y	N	N	N	Site	Species	Hab_cond		Other
<i>Cerastium arcticum</i>	Arctic Mouse-ear	N	Y	Y	N	Site	Wider_agri	Hab_cond		Other
<i>Cerastium fontanum scoticum</i>	a Mouse-ear	N	Y	N	N	Monit_known, Monit_new	Site	Wider_comms, Monit_new		Threat
<i>Cerastium nigrescens</i>	Shetland Mouse-ear	N	Y	N	N	Res_ecol	Site	Res_CC	SAP	Threat,Other
<i>Chamaemelum nobile</i>	Chamomile	Y	Y	Y	Y	Monit_known	Hab_cond	Res_other		Other
<i>Chenopodium urbicum</i>	Upright Goosefoot	Y	Y	Y	Y	Monit_known	Hab_cond	Hab_exp, Wider_land		Decl
<i>Chenopodium vulvaria</i>	Stinking Goosefoot	Y	Y	N	N	Monit_known	Hab_cond	Hab_exp, Species		Decl

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Cicendia filiformis</i>	Yellow Centaury	Y	N	Y	N	Hab_cond	Hab_cond	Hab_cond, Hab_exp		Other
<i>Cicerbita alpina</i>	Alpine Blue-sow-thistle	N	Y	N	N	Site	Species	Wider_agri		Other
<i>Clinopodium acinos</i>	Basil Thyme	Y	Y	Y	Y	Res_act	Monit_new	Wider_agri		Other
<i>Clinopodium menthifolium</i>	Wood Calamint	Y	N	N	N	Site	Species	Monit_known		Other
<i>Cochlearia micacea</i>	Mountain Scurvy-grass	N	Y	N	N	Wider_agri	Res_taxon	Monit_known	SAP	Other
<i>Cochlearia officinalis scotica</i>	Scottish scurvygrass	N	Y	N	Y	Res_taxon	Monit_known	Hab_cond	Statement	Other
<i>Coincya wrightii</i>	Lundy Cabbage	Y	N	N	N	Res_other	Hab_cond	Monit_known	SAP	Threat,Other
<i>Corrigiola litoralis</i>	Strapwort	Y	Y	Y	N	Site, Wider_water	Species	Site		Other
<i>Cotoneaster integerrimus</i>	Wild Cotoneaster	N	N	Y	N	Hab_cond	Hab_cond, Species	Monit_known	SAP	Other
<i>Crepis foetida</i>	Stinking Hawk`s-Beard	Y	N	N	N	Monit_known	Hab_cond	Res_ecol	SAP	Other
<i>Crepis mollis</i>	Northern Hawk`s-beard	Y	Y	N	N	Res_other	Site	Monit_known, Monit_new		Other
<i>Cynoglossum germanicum</i>	Green Hound`s-tongue	Y	N	N	N	Hab_cond	Species	Hab_exp		Decl
<i>Cyperus fuscus</i>	Brown Galingale	Y	N	N	N	Site	Site	Hab_exp		Other
<i>Cypripedium calceolus</i>	Lady`s Slipper Orchid	Y	N	N	N	Res_ecol	Species	Site, Wider_comms	SAP	Other
<i>Dactylorhiza incarnata ochroleuca</i>	an Early marsh-orchid	Y	N	N	N	Monit_new	Res_ecol	Hab_cond		Other
<i>Dactylorhiza purpurella cambrensis</i>	a Northern marsh-orchid	N	Y	Y	Y	Res_taxon	Hab_cond	Monit_known		Other
<i>Dactylorhiza viridis</i>	Frog Orchid	Y	Y	Y	Y	Hab_cond	Hab_exp	Monit_known, Monit_new		Other
<i>Damasonium alisma</i>	Starfruit	Y	N	N	N	Site	Site	Species	SAP	Other
<i>Dianthus armeria</i>	Deptford Pink	Y	N	Y	N	Monit_known	Hab_cond	Hab_exp	SAP	Other
<i>Dryopteris cristata</i>	Crested Buckler-fern	Y	Y	N	N	Wider_agrochem	Wider_hab	Monit_known		Decl
<i>Epipactis sancta</i>	Lindisfarne helleborine	Y	N	N	N	Res_taxon	Legal	Hab_cond		Threat,Other
<i>Erigeron borealis</i>	Alpine Fleabane	N	Y	N	N	Hab_cond	Monit_known	Wider_agri		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Eryngium campestre</i>	Field Eryngo	Y	N	N	N	Monit_known	Hab_cond	Hab_exp		Decl
<i>Euphrasia anglica</i>	Glandular Eyebright	Y	Y	Y	N	Wider_agri	Res_taxon	Site		Resp_threat
<i>Euphrasia cambrica</i>	an Eyebright	N	N	Y	N	Wider_agri	Res_taxon	Site	Grouped plan	Threat,Other
<i>Euphrasia campbelliae</i>	an Eyebright	N	Y	N	N	Wider_agri	Res_taxon	Site	Grouped plan	Other
<i>Euphrasia heslop-harrisonii</i>	an Eyebright	N	Y	N	N	Wider_agri	Res_taxon	Site	Grouped plan	Other
<i>Euphrasia marshallii</i>	Eyebright	N	Y	N	N	Wider_agri	Res_taxon	Site		Threat,Resp_threat,Other
<i>Euphrasia ostefeldii</i>	Eyebright	Y	Y	Y	N	Wider_agri	Res_taxon	Site		Other
<i>Euphrasia pseudokernerii</i>	Chalk Eyebright	Y	N	Y	N	Wider_agri	Res_taxon	Site		Resp_threat,Other
<i>Euphrasia rivularis</i>	an Eyebright	Y	N	Y	N	Wider_agri	Res_taxon	Site	Grouped plan	Threat,Other
<i>Euphrasia rostkoviana montana</i>	an Eyebright	Y	Y	Y	N	Wider_agri	Res_taxon	Site		Other
<i>Euphrasia rotundifolia</i>	an Eyebright	N	Y	N	N	Wider_agri	Res_taxon	Site	Grouped plan	Threat,Other
<i>Euphrasia vigursii</i>	an Eyebright	Y	N	N	N	Wider_agri	Res_taxon	Site	Grouped plan	Threat,Resp_threat,Other
<i>Fallopia dumetorum</i>	Copse-bindweed	Y	N	N	N	Res_other	Monit_known	Hab_cond		Other
<i>Filago lutescens</i>	Red-tipped Cudweed	Y	N	N	N	Monit_known	Hab_cond	Res_ecol	SAP	Decl,Other
<i>Filago pyramidata</i>	Broad-leaved Cudweed	Y	N	N	N	Monit_known	Hab_cond	Res_ecol	SAP	Other
<i>Fumaria purpurea</i>	Purple Ramping-fumitory	Y	X	Y	Y	Res_act	Monit_known	Hab_cond, Wider_agri	SAP	Other
<i>Galeopsis angustifolia</i>	Red Hemp-nettle	Y	U	Y	N	Res_act	Monit_known	Hab_cond, Wider_agri	SAP	Decl,Other
<i>Galium pumilum</i>	Slender Bedstraw	Y	N	N	N	Hab_cond	Hab_exp	Monit_known, Monit_new		Other
<i>Galium tricornutum</i>	Corn Cleavers	Y	N	N	N	Monit_known	Site	Hab_cond, Wider_agri	SAP	Decl,Other
<i>Gentianella anglica</i>	Early Gentian	Y	N	Y	N	Res_taxon	Hab_cond	Wider_agri	SAP	Other
<i>Gentianella campestris</i>	Field Gentian	Y	Y	Y	Y	Hab_cond	Hab_exp	Monit_known, Monit_new		Other
<i>Gentianella ciliata</i>	Fringed Gentian	Y	N	N	N	Res_act	Hab_cond	Monit_known		Other
<i>Gentianella uliginosa</i>	Dune Gentian	Y	Y	Y	N	Hab_cond	Site	Hab_exp	SAP	Other
<i>Helianthemum oelandicum levigatum</i>	a Hoary rock-rose	Y	N	N	N	Site	Site	Res_taxon		Threat

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Herminium monorchis</i>	Musk Orchid	Y	N	N	N	Hab_cond	Hab_exp	Monit_known, Monit_new		Other
<i>H. backhousei</i>	Hawkweed					Wider_agri	Site	Monit_known		Threat
<i>H. calvum</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. graniticola</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. grovesii</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. insigne</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. kennethii</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. larigense</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. leptodon</i>	Hawkweed					Wider_agri	Site	Monit_known		Threat
<i>H. macrocarpum</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. notabile</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. optimum</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. pseudocurvatum</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>H. pseudopetiolatum</i>	Hawkweed	N	Y	N	N	Wider_agri	Site	Monit_known		Threat
<i>Hieracium section Alpestris</i>	Hawkweed	Y	Y	N	N	Wider_agri	Wider_agri	Wider_regnl, Wider_plan	Grouped plan	Threat,Other
<i>H. subgracilentipes</i>	Hawkweed	Y	N	N	N	Wider_agri	Site	Monit_known		Threat
<i>Hordeum marinum</i>	Sea Barley	Y	N	Y	N	Hab_cond	Hab_cond	Wider_land, Wider_CC		Other
<i>Iberis amara</i>	Wild Candytuft	Y	Y	Y	N	Hab_cond	Site	Hab_exp		Other
<i>Illecebrum verticillatum</i>	Coral-necklace	Y	Y	N	N	Hab_cond	Hab_cond	Hab_cond		Other
<i>Juncus pygmaeus</i>	Pygmy Rush	Y	N	N	N	Hab_cond	Hab_cond	Hab_cond	SAP	Other
<i>Juniperus communis</i>	Juniper	Y	Y	Y	Y	Hab_cond, Species	Wider_agri, Wider_land		SAP	Other
<i>Lactuca saligna</i>	Least Lettuce	Y	N	N	N	Hab_cond	Res_other	Monit_known		Decl
<i>Leersia oryzoides</i>	Cut-grass	Y	N	N	N	Res_ecol	Hab_cond	Hab_cond	SAP	Other
<i>Linnaea borealis</i>	Twinflower	Y	Y	N	N	Hab_cond	Hab_cond	Wider_hab	SAP	Other
<i>Liparis loeselii</i>	Fen Orchid	Y	N	Y	N	Hab_cond, Wider_water	Hab_exp, Wider_water	Hab_cond, Hab_exp	SAP	Other
<i>Lobelia urens</i>	Heath Lobelia	Y	N	N	N	Res_act	Hab_cond	Hab_exp, Species		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Lolium temulentum</i>	Darnel	Y	N	U	N	Res_act	Monit_known	Wider_agri, Wider_land		Decl
<i>Luronium natans</i>	Floating Water Plantain	Y	Y	Y	N	Site	Wider_land		SAP	Other
<i>Luzula arcuata</i>	Curved Wood-rush	N	Y	N	N	Monit_known	Res_act	Res_CC		Other
<i>Luzula pallidula</i>	Fen Wood-rush	Y	N	N	N	Site	Monit_new			Other
<i>Lycopodiella inundata</i>	Marsh Clubmoss	Y	Y	Y	Y	Hab_cond	Hab_cond	Hab_cond	SAP	Other
<i>Lythrum hyssopifolium</i>	Grass-poly	Y	Y	Y	N	Monit_known	Hab_cond	Res_act		Other
<i>Matthiola sinuata</i>	Sea Stock	Y	N	Y	N	Res_other	Monit_known			Other
<i>Melampyrum cristatum</i>	Crested Cow-wheat	Y	N	N	N	Hab_cond	Species	Hab_exp		Other
<i>Melampyrum sylvaticum</i>	Small Cow-wheat	N	Y	N	Y	Site	Monit_known		SAP	Other
<i>Melittis melissophyllum</i>	Bastard Balm	Y	N	Y	N	Wider_hab	Hab_cond			Other
<i>Mentha pulegium</i>	Pennyroyal	Y	N	Y	Y	Res_taxon	Hab_cond	Site	SAP	Decl,Other
<i>Minuartia hybrida</i>	Fine-leaved Sandwort	Y	Y	Y	Y					Decl
<i>Minuartia rubella</i>	Mountain Sandwort	N	Y	N	N	Hab_cond	Wider_comms, Site	Wider_agri		Other
<i>Minuartia sedoides</i>	Cyphel	N	Y	N	N	Monit_known	Wider_agri			Other
<i>Moneses uniflora</i>	One-flowered Wintergreen	N	Y	N	N	Site	Site			Other
<i>Monotropa hypopitys</i>	Yellow Bird's-nest	Y	Y	Y	Y	Res_ecol	Site	Site		Other
<i>Monotropa hypopitys hypophegea</i>	Bird's-Nest	Y	Y	Y	Y	Res_ecol				Other
<i>Monotropa hypopitys hypopitys</i>	Yellow bird's-nest	Y	Y	Y	Y	Res_ecol				Other
<i>Muscari neglectum</i>	Grape-hyacinth	Y	Y	Y	N	Res_ecol	Res_act	Res_other		Other
<i>Najas flexilis</i>	Slender Naiad	Y	Y	N	N	Wider_agrochem	Wider_water	Site	SAP	Other
<i>Najas marina</i>	Holly-leaved Naiad	Y	N	N	N	Wider_water	Hab_exp		SAP	Other
<i>Neotinea ustulata</i>	Burnt Orchid	Y	N	Y	N	Hab_cond	Species, Hab_cond	Hab_exp		Other
<i>Oenanthe fistulosa</i>	Tubular Water-dropwort	Y	Y	Y	Y	Wider_agrochem, Wider_agri				Other
<i>Ophrys insectifera</i>	Fly Orchid	Y	N	Y	Y	Wider_hab	Hab_cond	Monit_known		Decl,Other
<i>Orchis anthropophora</i>	Man Orchid	Y	N	N	N	Hab_cond	Species, Hab_cond	Hab_exp		Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Orchis simia</i>	Monkey Orchid	Y	N	N	N	Hab_cond	Species, Hab_cond	Hab_exp		Other
<i>Orobanche artemisiae-campestris</i>	Oxtongue Broomrape	Y	N	N	N	Res_other	Site	Species, Hab_cond		Other
<i>Otanthus maritimus</i>	Cottonweed	N	N	N	N	Site	Legal			Other
<i>Phyteuma spicatum</i>	Spiked Rampion	Y	N	N	N	Hab_cond	Species, Hab_cond	Hab_exp		Other
<i>Pilosella flagellaris bicipitata</i>	Shetland mouse-ear-hawkweed	N	Y	N	N	Site	Monit_known, Monit_new			Threat,Other
<i>Pilularia globulifera</i>	Pillwort	Y	Y	Y	Y	Monit_new	Hab_cond	Hab_exp	SAP	Other
<i>Platanthera bifolia</i>	Lesser Butterfly-orchid	Y	Y	Y	Y	Wider_agri	Hab_cond	Wider_comms		Other
<i>Poa flexuosa</i>	Wavy Meadow-grass	N	Y	N	N	Res_other	Site	Wider_agri		Other
<i>Poa glauca</i>	Glaucous Meadow-grass	Y	Y	Y	N	Res_other	Hab_cond			Other
<i>Polygonatum verticillatum</i>	Whorled Solomon`s-seal	Y	Y	N	N	Wider_hab	Species			Other
<i>Polystichum lonchitis</i>	Holly-fern	Y	Y	Y	Y	Wider_agri	Wider_agri	Res_other		Other
<i>Potamogeton acutifolius</i>	Sharp-leaved Pondweed	Y	N	N	N	Wider_agrochem	Hab_cond	Monit_known		Decl
<i>Potamogeton compressus</i>	Grass-wrack Pondweed	Y	Y	Y	N	Wider_land	Wider_agro chem	Hab_cond	SAP	Other
<i>Potamogeton rutilus</i>	Shetland Pondweed	N	Y	N	N	Wider_agrochem	Site, Wider_water	Site	SAP	Other
<i>Potentilla rupestris</i>	Rock Cinquefoil	Y	Y	Y	N	Site	Res_act	Site		Other
<i>Pseudorchis albida</i>	Small-white Orchid	Y	Y	Y	Y	Hab_cond	Hab_cond	Wider_comms		Other
<i>Puccinellia fasciculata</i>	Borrer`s Saltmarsh-grass	Y	N	N	N	Hab_cond	Wider_CC	Monit_new		Other
<i>Pulicaria vulgaris</i>	Small Fleabane	Y	Y	Y	N	Hab_cond	Hab_cond	Hab_exp		Decl
<i>Pulmonaria obscura</i>	Suffolk Lungwort	Y	N	N	N	Site	Site	Species		Other
<i>Pulsatilla vulgaris</i>	Pasqueflower	Y	N	N	N	Hab_cond	Species, Hab_cond	Hab_exp		Other
<i>Pyrus cordata</i>	Plymouth Pear	Y	N	N	N	Species	Res_act			Other
<i>Ranunculus arvensis</i>	Corn Buttercup	Y	Y	Y	N	Res_act	Monit_known	Wider_agri, Wider_land		Decl
<i>Ranunculus tripartitus</i>	Three-lobed Water-crowfoot	Y	N	Y	N	Hab_exp	Wider_hab	Wider_agrochem	SAP	Other
<i>Rumex aquaticus</i>	Scottish Dock	N	Y	N	N	Res_ecol				Other

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Rumex rupestris</i>	Shore Dock	Y	N	Y	N	Hab_cond	Monit_known		SAP	Other
<i>Sagina nivalis</i>	Snow Pearlwort	N	Y	N	N	Hab_cond	Hab_cond	Res_CC		Other
<i>Salix lanata</i>	Wooly Willow	N	Y	N	N	Hab_cond	Hab_cond	Site	SAP	Other
<i>Salix lapponum</i>	Downy Willow	Y	Y	N	N	Hab_cond	Hab_cond	Monit_known		Other
<i>Salix myrsinites</i>	Whortle-leaved Willow	N	Y	N	N	Hab_cond	Hab_cond	Site		Other
<i>Salsola kali kali</i>	Prickly Saltwort	Y	Y	Y	Y	Res_other	Wider_plan	Monit_new		Other
<i>Saxifraga cernua</i>	Drooping Saxifrage	N	Y	N	N	Hab_cond	Wider_agri	Hab_cond		Other
<i>Saxifraga cespitosa</i>	Tufted Saxifrage	N	Y	Y	N	Hab_cond	Wider_agri	Hab_cond		Other
<i>Saxifraga hirculus</i>	Yellow Marsh Saxifrage	Y	Y	N	Y	Hab_cond	Hab_exp	Wider_hab	SAP	Other
<i>Scandix pecten-veneris</i>	Shepherd's Needle	Y	N	Y	N				SAP	Decl,Other
<i>Schoenoplectus triquetar</i>	Triangular Club-rush	Y	N	N	N	Hab_cond	Species		SAP	Other
<i>Scirpoides holoschoenus</i>	Round-headed Club-rush	Y	N	Y	Y	Site	Site	Monit_known		Other
<i>Scleranthus annuus</i>	Annual Knawel	Y	Y	Y	Y	Hab_cond	Hab_cond	Monit_new		Decl
<i>Scleranthus perennis prostratus</i>	Prostrate Perennial Knawel	Y	N	N	N				SAP	Threat,Resp_threat,Other
<i>Senecio paludosus</i>	Fen Ragwort	Y	N	N	N	Site	Wider_land			Other
<i>Silene gallica</i>	Small-flowered Catchfly	Y	U	Y	U	Hab_cond	Wider_agro chem	Monit_new	SAP	Decl,Other
<i>Silene otites</i>	Spanish Catchfly	Y	N	N	N	Hab_exp	Site	Monit_new		Decl
<i>Sium latifolium</i>	Greater Water Parsnip	Y	N	N	Y	Wider_land	Hab_cond	Site, Wider_water	SAP	Decl,Other
<i>Sorbus arranensis</i>	a Whitebeam	N	Y	N	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus bristoliensis</i>	a Whitebeam	Y	N	N	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus eminens</i>	a Whitebeam	Y	N	Y	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus leptophylla</i>	a Whitebeam	Y	N	Y	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus leyana</i>	Ley's whitebeam	N	N	Y	N	Wider_agri	Wider_hab	Wider_land	SAP	Threat
<i>Sorbus minima</i>	a Whitebeam	N	N	Y	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus pseudofennica</i>	Arran Service-tree	N	Y	N	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus subcuneata</i>	a Whitebeam	Y	N	N	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus vexans</i>	a Whitebeam	Y	N	N	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Sorbus wilmottiana</i>	a Whitebeam	Y	N	N	N	Wider_agri	Wider_hab	Wider_land		Threat
<i>Spartina maritima</i>	Small Cord-grass	Y	N	N	N	Hab_cond	Res_other	Site		Decl

Scientific name	Common name	Distribution				Action categories (codes at end of table)			Existing UK BAP	Criteria (codes at end)
		E	S	W	NI	1	2	3		
<i>Spiranthes romanzoffiana</i>	Irish Lady's-tresses	X	Y	N	Y	Hab_cond	Res_ecol	Monit_known, Monit_new	SAP	Other
<i>Stellaria palustris</i>	Marsh Stitchwort	Y	Y	Y	Y	Monit_known	Res_ecol	Hab_cond		Other
<i>Taraxacum clovense</i>	a Dandelion	N	Y	N	N	Wider_agri	Site	Monit_new		Threat
<i>Taraxacum geirhildae</i>	a Dandelion	N	Y	N	N	Wider_agri	Wider_agri	Wider_agri		Threat
<i>Tephrosieris integrifolia integrifolia</i>	Field Fleawort	Y	N	N	N	Hab_cond	Hab_exp	Monit_known, Monit_new		Other
<i>Teucrium scordium</i>	Water Germander	Y	N	Y	N	Hab_cond	Hab_cond	Res_taxon		Other
<i>Thlaspi perfoliatum</i>	Cotswold Pennycress	Y	N	N	N	Hab_cond	Hab_exp	Hab_exp	SAP	Other
<i>Torilis arvensis</i>	Spreading Hedge Parsley	Y	N	N	N	Res_act	Monit_known	Wider_agri, Wider_land	SAP	Decl,Other
<i>Valerianella rimosa</i>	Broad-Fruited Corn Salad	Y	N	Y	N	Monit_known	Wider_agri, Wider_land	Hab_cond	SAP	Decl,Other
<i>Veronica triphyllos</i>	Fingered Speedwell	Y	N	N	N	Res_act	Monit_known	Wider_agri, Wider_land		Other
<i>Veronica verna</i>	Spring Speedwell	Y	N	N	N	Monit_known	Hab_cond	Res_act		Other
<i>Viola lactea</i>	Pale Dog-violet	Y	N	Y	N	Hab_cond	Hab_cond	Hab_cond		Resp_threat
<i>Viola persicifolia</i>	Fen Violet	Y	N	N	Y	Site	Monit_known	Wider_agri		Other
<i>Woodsia ilvensis</i>	Oblong Woodsia	Y	Y	Y	N	Res_act	Wider_agri	Res_ecol	SAP	Other

Codes for the action criteria

Signpost reporting code	
Survey for new sites	Monit_new
Survey known sites	Monit_known
Research into taxonomy/genetics	Res_taxon
Research into ecological requirements	Res_ecol
Research into conservation action	Res_act
Research into climate change impact	Res_CC
Research into other impacts	Res_other
Site specific action	Site
Management actions to benefit single species	Species
Priority habitat based action (condition)	Hab_cond
Priority habitat based action (expansion)	Hab_exp
Agricultural activities and measures (wider scale)	Wider_agri
Measures to address impacts of climate change	Wider_CC
Forestry/tree management and planning (landscape scale)	Wider_wood
Fisheries control measures/policy and legislation	Wider_fish
Habitat based wider action	Wider_hab
Water and water quality management	Wider_water
Landscape/regional level projects	Wider_land
Planning controls on development	Wider_plan
Landscape/regional strategic planning	Wider_regnl
Communications to stakeholders	Wider_comms
Measures to control/regulate agro-chemicals	Wider_agrochem
Air pollution initiatives	Wider_air
International level agreements and plans	Wider_intl
Legal protection for species	Legal

Codes for the selection criteria

International threat	Threat
International responsibility + moderate decline in UK	Resp_Threat
Marked decline in the UK	Decl
Other important factor(s)	Other

Codes for the distribution data

Y	Present in the country based on best assessment
N	Absent from the country based on best assessment
U	Unknown
X	Evidence for distribution in conflict

ANNEXES

Annex 1 Groups, contacts and numbers consulted in the Species and Habitat Review

Annex 2 Current UK priority species to be removed from the UK priority list

Annex 3 Details of the criteria used to select the UK List of Priority Species and Habitats

Annex 4 Habitat report summary

Annex 5 Terrestrial & Freshwater Habitat report

Annex 6 Acknowledgements

ANNEX 1

Groups, contacts and numbers consulted in the Species and Habitat Review

To ensure that a wide range of experts were consulted, nine expert groups were established (Table A1) each with a contact who liaised with the two working groups (Priority Species and Habitats Review Working Group and Priorities Review Group), guided their expert groups (Table A1), collated proposals, and facilitated quality assurance for their expert groups. Co-ordinators, together with the contact, in some cases in conjunction with a wider range of experts (Table A1), assessed the list of species against the criteria and developed the UK List of Priority Species and Habitats. The establishment of these expert groups was an essential part of the Species and Habitat Review and these groups were heavily relied on throughout both stages.

The Priority Species and Habitats Review Working Group and the Priorities Review Group maintained a strategic overview and guided the expert groups and the work done by them in liaison with the contacts. The working groups also established standards for data collection and storage and several methods for quality assurance by the experts of their own work and the work of other experts, and quality assurance by JNCC and the Priority Species and Habitats Review Working Group itself. An audit trail was maintained by the working groups.

Table A1. Data gathering structure for stage 1 of the Species and Habitat Review

Broad Groups	Expert Group	Contacts	Co-ordinators & experts
Terrestrial & Freshwater species	Mammals	1	20
"	Birds	1	13
"	Herps	1	10
"	Freshwater Fish	1	24
"	Terrestrial & Freshwater invertebrates	2	>300
"	Vascular plants	1	10
"	Other plants and fungi	1	125
Marine species and Habitats	Marine species & habitats	1	>50
Terrestrial & Freshwater Habitats	Terrestrial & Freshwater Habitats	1	>100

Because of differences among them, three broad groups were identified; marine species and habitats, terrestrial/freshwater habitats and terrestrial/freshwater species (Table A1) which were merged during stage 2. The marine species and habitats were involved in a separate review and the terrestrial/freshwater habitats had recently undergone a review in 1999-2001. Further differences among these broad groups are outlined below and details of the criteria are listed in Annex 4.

ANNEX 2

Current UK BAP species that do not meet the UK Priority list criteria

The 577 species on the original UK BAP list included species whose needs were addressed through single-species action plans or grouped action plans, and also species that were given statements instead of action plans because they either required further research or their needs could be met through habitat action. In this review, all of these species were re-assessed against the stage 1 criteria, taking into account the latest information. In total, 123 of the original UK BAP species do not meet the criteria and will be removed from the UK BAP list. .

Species removed from the UK BAP list which formerly had Species Action Plans or Grouped Action Plans (N = 72)		
Name	Common Name	Comments
<i>Andreaea frigida</i>	Icy Rock Moss	
<i>Andrena gravida</i>	Banded Mining Bee	No recent colonies found despite searching. Now assumed a temporary colonist. If any new colonies were found it would be picked up from general recording effort and should be re-assessed.
<i>Andrena lathyri</i>	Mining Bee	No recent colonies found despite searching. Now assumed that new colonies will be picked up from general recording effort.
<i>Aphodius niger</i>	Beaulieu dung beetle	
<i>Athyrium flexile</i>	Newman`s Lady Fern	Taxonomic revision.
<i>Boletus satanas</i>	Devil`s Bolete	Targets met.
<i>Bombylius discolor</i>	Dotted Bee-Fly	Status has changed considerably since the first UK BAP list. Now known from a number of sites. Not habitat specific, is on the increase, not host specific – it is forecast to keep increasing.
<i>Brachythecium appleyardiae</i>	Appleyard`s Feather-moss	Taxonomic revision.
<i>Brosme brosme</i>	Tusk	Little is available on population trends or fishing mortality for this species. ICES have never assessed the stocks due to lack of data. Unlikely that it would qualify under criterion 2 as the UK represents only a small part of a very large range.
<i>Bryum mamillatum</i>	Dune Threadmoss	Taxonomic revision.
<i>Bryum neodamense</i>	Long-leaved Threadmoss	Taxonomic revision.
<i>Carex muricata ssp. muricata</i>	Prickly Sedge	Targets met. Previously 4 localities with 50 plants; now known from 9 localities with minimum population estimate of 1022 plants.
<i>Cathormiocerus britannicus</i>	Lizard weevil	Taxonomic revision. Regarded as conspecific with <i>C. myrmelophilus</i> which does not qualify for UK BAP status.
<i>Chara curta</i>	Lesser Bearded Stonewort	Not threatened at international scale. Not threatened in GB. Current status Nationally Scarce.
<i>Chara muscosa</i>	Mossy Stonewort	Taxonomic revision. Not present in the UK - the original specimens have been redetermined.
<i>Chelonia mydas</i>	Green Turtle	Overseas territory species – not UK.
<i>Didymodon mamillosus</i>	Perthshire Beard-moss	Taxonomic revision.
<i>Ephemerum stellatum</i>	Starry Earth-moss	Taxonomic revision.
<i>Epipactis youngiana</i>	Young`s Helleborine	Taxonomic revision.
<i>Eretmochelys imbricata</i>	Hawksbill turtle	Overseas territory species – not UK.
<i>Ernoporus tiliae</i>	Bast bark beetle	
<i>Fissidens exiguus</i>	Tiny Fern-moss	Taxonomic revision.
<i>Formica aquilonia</i>	Scottish Wood Ant	
<i>Formica candida</i>	Black bog ant	
<i>Fumaria occidentalis</i>	Western Ramping-fumitory	Range expansion, spreading in both Isles of Scilly and Cornwall. No national action required.
<i>Gastrallus immarginatus</i>	Maple wood-boring beetle	Targets met. Increase in number of localities.
<i>Gyalideopsis scotica</i>	Lichen	
<i>Halecania rhypodiza</i>	Lichen	

<i>Hamatocaulis vernicosus</i>	Slender Green Feather-moss	Targets met.
<i>Hesperia comma</i>	Silver-Spotted Skipper	Targets met. Expanding at core areas and recolonising many sites.
<i>Hirudo medicinalis</i>	Medicinal Leech	
<i>Hydrelia sylvata</i>	Waved Carpet	
<i>Hydrochara caraboides</i>	Lesser Silver Water Beetle	Targets met.
<i>Hygrocybe calyptiformis</i>	Pink Meadow Cap	More common than originally thought.
<i>Hypena rostralis</i>	Buttoned Snout	Targets met.
<i>Lecanactis hemisphaerica</i>	Churchyard Lecanactis	Target met.
<i>Lepidochelys kempii</i>	Kemp's Ridley Turtle	Overseas territory species – not UK.
<i>Limonium britannicum</i>	Rock sea-lavender	Taxonomic revision.
<i>Limonium dodartiforme</i>	Rock sea-lavender	Taxonomic revision.
<i>Limonium loganicum</i>	Rock sea-lavender	Taxonomic revision.
<i>Limonium paradoxum</i>	Rock sea-lavender	Taxonomic revision.
<i>Limonium parvum</i>	Rock sea-lavender	Taxonomic revision.
<i>Limonium procerum</i>	Rock sea-lavender	Taxonomic revision.
<i>Limonium recurvum</i>	Rock sea-lavender	Taxonomic revision.
<i>Limonium transwallianum</i>	Rock sea-lavender	Taxonomic revision.
<i>Lionychus quadrillum</i>	Ground Beetle	
<i>Lycaena dispar</i>	Large Copper Butterfly	Extinct in the UK - re-introductions have been tried at one site but have not succeeded. No further plans to reintroduce.
<i>Lysandra bellargus</i>	Adonis Blue	Targets met.
<i>Macrourus berglax</i>	Roughhead grenadier	Southern limit in the far north of UK waters. Not caught by the main deepwater fisheries but taken as discarded bycatch. Little information is available on catch rates or population trends in the North east Atlantic.
<i>Merluccius bilinearis</i>	Hake	North West Atlantic species that doesn't occur in UK waters.
<i>Myotis myotis</i>	Greater Mouse-eared Bat	Not present as a breeding population.
<i>Mythimna turca</i>	Double Line	Targets met.
<i>Opegrapha paraxanthodes</i>	Lichen	
<i>Pachytychius haematocephalus</i>	Gilkicker weevil	
<i>Paracymus aeneus</i>	Bembridge beetle	
<i>Perileptus areolatus</i>	Ground Beetle	
<i>Pipistrellus pipistrellus</i>	Pipistrelle Bat	Population is stable.
<i>Pollachius virens</i>	Saithe	
<i>Procas granulicollis</i>	Weevil	
<i>Psylliodes sophiae</i>	Flixweed leaf beetle	
<i>Pterostichus aterrimus</i>	Ground Beetle	
<i>Raja hyperborea</i>	Arctic Skate	
<i>Riccia huebeneriana</i>	Violet Crystalwort	Primary target met.
<i>Sebastes spp.</i>	Redfish	
<i>Sematophyllum demissum</i>	Prostrate Feather-moss	
<i>Spiriverpa lunulata</i>	Stiletto Fly	
<i>Tachys edmondsi</i>	Edmond's Ground Beetle	Taxonomic revision.
<i>Teloschistes chrysophthalmus</i>	Lichen	
<i>Thyasira gouldi</i>	Northern Hatchett Shell	
<i>Trichomanes speciosum</i>	Killarney Fern	Targets met. Species can be categorised as 'recovered'.
<i>Weissia rostellata</i>	Beaked Beardless-moss	
<i>Xestia rhomboidea</i>	Square-spotted clay	
Species removed from the UK BAP list which formerly had Statements (N = 51)		
<i>Amara strenua</i>	a Ground Beetle	
<i>Ampedus nigerrimus</i>	Cardinal Click Beetle	

<i>Ampedus ruficeps</i>	Cardinal Click Beetle	
<i>Aphrodes duffieldi</i>	Leafhopper	
<i>Badister collaris</i>	a Ground Beetle	
<i>Badister peltatus</i>	a Ground Beetle	
<i>Bellemeria alpina</i>	a Lichen	
<i>Bembidion nigropiceum</i>	a Ground Beetle	
<i>Bryum turbinatum</i>	Pear-fruited bryum	Extinct since 1947. No plans / possibilities for reintroduction.
<i>Calophasia lunula</i>	Toadflax Brocade	
<i>Caloplaca nivalis</i>	Snow Caloplaca	
<i>Campylopus setifolius</i>	Silky swan-neck moss	
<i>Ceutorhynchus insularis</i>	a Weevil	
<i>Chrysolina cerealis</i>	Rainbow Leaf Beetle	
<i>Cicindela maritima</i>	Dune tiger Beetle	
<i>Clubiona subsultans</i>	Spider	
<i>Coregonus oxyrhynchus</i>	Houting	
<i>Dromius sigma</i>	Ground Beetle	
<i>Dryophthorus corticalis</i>	Wood-Boring Weevil	
<i>Dyschirius angustatus</i>	Ground Beetle	Rare, with post-1970 records from 5 10-km squares. But no recorded declines and none projected.
<i>Elater ferrugineus</i>	Click Beetle	
<i>Eucnemis capucina</i>	False click Beetle	
<i>Evagetes pectinipes</i>	Spider-hunting wasp	No decline, on extreme edge of European range.
<i>Formica lugubris</i>	Hairy wood ant (Northern)	
<i>Formica rufa</i>	Southern wood ant	
<i>Fossombronia crozalsii</i>	Crozal's fillwort	Extinct since 1972. No plans/ possibilities for reintroduction.
<i>Harpalus cordatus</i>	Ground Beetle	
<i>Harpalus dimidiatus</i>	Ground Beetle	
<i>Harpalus parallelus</i>	Ground Beetle	
<i>Heptagenia longicauda</i>	Mayfly	
<i>Hypebaeus flavipes</i>	Moccas Beetle	
<i>Lygephila craccaae</i>	Scarce black-neck	
<i>Marsupella stableri</i>	Stabler's rustwort	Taxonomic confusion. Confused with <i>M. boeckii</i> , which is the rarer species.
<i>Moma alpium</i>	Scarce Merveille Du Jour	
<i>Nomada ferruginata</i>	Cuckoo Bee	No decline - many more records over the last few years as a result of targeted survey.
<i>Orthotrichum sprucei</i>	Spruce's bristle-moss	
<i>Orthotylus rubidus</i>	Plant bug	
<i>Pertusaria bryontha</i>	Alpine Moss Pertusaria	
<i>Phylloidesma ilicifolia</i>	Small Lappet	
<i>Pictus scoticus</i>	Pict-moss	Taxonomically dubious.
<i>Plagiothecium piliferum</i>	Hair Silk-Moss	Extinct since 1939. No plans / possibilities for reintroduction.
<i>Polymixis xanthomista</i>	Black-Banded	
<i>Protapion ryei</i>	Weevil	Taxonomic revision.
<i>Rhabdomastix laeta</i>	Cranefly	
<i>Schrankia taenialis</i>	White-line snout	
<i>Seligeria calycina</i>	English rock-bristle	
<i>Sphagnum skyense</i>	Skye bog-moss	
<i>Tachys micros</i>	a Ground Beetle	
<i>Thetidia smaragdaria maritima</i>	Essex Emerald	
<i>Tipula serrulifera</i>	Cranefly	
<i>Uloborus walckenaerius</i>	Spider	

ANNEX 3

DETAILS OF THE CRITERIA USED TO SELECT THE UK PRIORITY LIST OF SPECIES AND HABITATS

GENERAL

Species and habitats in the UK that met agreed scientific criteria were placed on the UK List of Priority Species and Habitats. There was an emphasis on gathering as much quantitative data in support of these criteria as possible. However, it was recognised that some groups had more quantitative data than others but the review considered the best available information that could pass an accepted level of scientific scrutiny.

Criteria diverged slightly between marine and terrestrial and between species and habitats to reflect real ecological differences and to reflect the differences in type and format of information available. For example, the 2004 Review of Marine Nature Conservation (RMNC) and the Irish Sea Pilot (ISP) developed marine criteria for the identification of priority features (species, habitats and marine landscapes). These criteria were modified so they could be used specifically for the UK BAP Species and Habitat Review. Despite the divergences it is nevertheless still clear that the same broad principles underlay the criteria used to select species or habitats; international importance, high risk or rapid decline, and habitats that are important for key species. All species and habitats occurring in the UK, including current UK BAP priorities, were eligible for consideration.

SPECIES

Species were assessed against the following qualifying criteria:

1. International threat
2. International responsibility (of the UK) + moderate decline in the UK
3. Marked decline in the UK
4. Other important factor(s)

Criterion 1 - International threat

Assess the species' status in either a global or a European context.

- i) Use the best available knowledge e.g.
 - IUCN global Red Lists
 - Red Lists from individual European countries
 - other (specified) authoritative sources that assess threat or decline.
- ii) Where possible, use the new IUCN categories (CR, EN, VU): if Red Lists use the old IUCN criteria, treat the Rare category with caution.
- iii) Red listing in >50% of countries with adequate data within the biogeographic or European range of the species, would qualify a species as internationally threatened. If this evidence is cited, please indicate the range of the species and list the countries that include it in a Red List.
- iv) The revised IUCN Red List Categories and Criteria (version 3.1, 2001) and guidelines on their application at global and national levels are available electronically at www.iucn.org/themes/ssc/red-lists.htm. See www.redlist.org for globally threatened species.

Criterion 2 - International responsibility + moderate decline in the UK

Under this criterion, a species that has declined by more than 25% in the last 25 years in the UK may qualify if the UK supports 25% or more of the global or European population. Please quantify your answer as far as possible and provide all supporting information

- i) The European or global proportion can be measured in terms of grid square records, sites, numbers of individuals *etc.* Please provide as much data as possible.
- ii) Make a special note if the species is endemic or near-endemic.
- iii) The species needs to have declined by 25% or more over the past 25 years.

Criterion 3 - Marked decline in the UK

A species which has declined by 50% or more over the past 25 years qualifies under this criterion.

- i) Decline may have been measured or may be deduced from other evidence.
- ii) If no direct evidence exists, deterioration or loss of habitat; threat to a food plant; or other relevant factors may be used as surrogates (i.e. inferred decline).
- iii) Decline can be expressed in a number of possible ways, for instance as population size, range or number of occupied sites.
- iv) In the absence of a 25-year run of data, decline rate will be automatically extrapolated from a shorter (or longer) period in the spreadsheet (Appendix A).
- v) Evidence and sound reasoning must be given in support of the claim.
- vi) Please give the types of record (e.g. 10 km square, 1 km square, site data) and time-span of the supporting data.

Criterion 4 - Other important factor(s)

Where a species does not qualify under Criteria 1, 2 or 3, there may still be a case for listing it as a candidate. However, evidence of extreme threat is required. Please give a detailed rationale behind any decisions made under Criterion 4. Justifications may include reasons such as:

- i) geographic range is very restricted AND there is evidence of species decline
- ii) substantial threat to a food plant or to a highly specialised habitat, if it is impossible to predict the resulting rate of decline in the species
- iii) pressure from disease, if it is impossible to predict the resulting rate of decline reproductive failure, if it is impossible to predict the resulting rate of decline
- iv) for a species on the existing priority list, factors that caused the original decline are still operating or the species population has not recovered to a point where it is likely to be viable in the long term
- v) the species is declining (but does not qualify under Criterion 3) and is a good 'indicator' species for a declining taxonomic group, a threatened habitat type or a pressing conservation issue.

The Terrestrial & Freshwater invertebrate group developed these justifications further into sub-categories of criterion 4 as indicated below:

- 4.1. Substantial threat to a food plant or to a highly specialised habitat, if it is impossible to predict the resulting rate of decline in the invertebrate species
- 4.2. Pressure from disease, if it is impossible to predict the resulting rate of decline
- 4.3. Reproductive failure, if it is impossible to predict the resulting rate of decline
- 4.4. For a species on the UK BAP list, factors that caused the original decline are still operating or the species' population has not recovered to a point where it is likely to be viable in the long term. These species should remain on the UK BAP list
- 4.5. The species is declining and is a good 'indicator' or 'flagship' that highlights a conservation issue
- 4.6. The species occurs at only a single site in the UK and is under a demonstrable threat
- 4.7. The species qualifies as critically endangered in Britain or UK, using IUCN red list categories and criteria version 3.1. If the species qualifies state the IUCN sub-criteria that are met (e.g. 'population size estimated to number fewer than 250 mature individuals').
- 4.8. Species that are existing UK BAP species that fail to meet any other criteria and should be removed from the UK BAP list. This criterion differentiates between these species and those that qualify under 4.4 (species that should remain in the UK BAP list).

HABITATS**Assessing gaps in the priority habitat series**

The main thrust of the review for terrestrial and freshwater habitats is to assess gaps in the existing priority series, building on the earlier review undertaken in 1999-2001. Priority habitats should be defined at a broadly consistent hierarchical level. New types should fit within a single BAP broad habitat type which was reviewed in 1998 (Broad Habitat Statements were published in 1995, describing the individual broad habitats, the issues affecting them and their conservation requirements.) Definitions should be clear, mutually exclusive, and where possible defined in terms of existing habitat classifications (e.g. NVC and Phase 1). And finally, the habitats should be mappable and should have measurable quantitative or qualitative attributes for monitoring purposes.

For Terrestrial & Freshwater habitats available evidence does not suggest that there has been sufficient recovery of any of the habitats to merit a review of status. In contrast, for marine habitats, a

comprehensive was carried out, using the marine habitat classification for Britain and Ireland (Connor *et al.*, 2004) as a starting point.

The provisional RMNC and ISP list of marine habitats (Lieberknecht *et al.*, 2004; Vincent *et al.*, 2004) was extended by reviewing all biotope complexes from the revised habitat classification system (Connor *et al.*, 2004), and was used as a checklist for this assessment.

Marine habitats were evaluated using adapted RMNC criteria (indicated below) and Terrestrial & Freshwater habitat criteria were adapted from those used in the original selection process in 1995. All habitats were assessed against the following qualifying criteria:

1. Habitats for which the UK has international obligations
2. Natural and semi-natural habitats at risk, such as those with a high rate of decline in extent and/or quality, especially over the last 20 years, or which are rare
3. Habitats important for assemblages of key species
4. Habitats which are 'functionally critical' i.e. those 'essential for organisms inhabiting wider ecosystems', may be useful in some cases as a supporting criterion but is unlikely to be a qualifying criterion in its own right.

Criterion 1 - Habitats for which the UK has international obligations

The UK BAP is seen by Government as an important tool to help achieve favourable conservation status for many of the habitats listed on Annex I of the Habitats Directive. Table 2 lists those Annex I habitats in the UK which are not covered by existing BAP priority habitats. Although inclusion on Annex I is not necessarily sufficient justification on its own for priority habitat status, it is likely to be an important factor. The degree of responsibility which the UK has for a particular type should also be taken into consideration.

Criterion 2 - Natural and semi-natural habitats at risk, such as those with a high rate of decline in extent and/or quality, especially over the last 20 years, or which are rare

It is difficult to set quantitative thresholds for decline in extent, and even more so for decline in quality which is often a more significant issue; for most habitats there are inadequate data to assess either satisfactorily. It is recognised that expert judgement must often be used, but this should be based on as much recent data as possible.

Criterion 3 - Habitats important for assemblages of key species

This criterion should be interpreted widely to include not just BAP priority species but also other species considered to be important in a national or international context, e.g. Red List species and species listed on Annex II of the Habitats Directive. Use of this criterion will inevitably be iterative as the priority species lists are reviewed.

Criterion 4 - Other important factor(s)

Even if a habitat does not qualify under Criteria 1, 2 or 3 there may still be a case for listing it as priority. However, evidence of extreme threat is required. Justifications may include reasons such as those listed below.

- i) The habitat only exists because of the presence of certain key functional or key structural species that are long-lived (>25 years) slow growing and vulnerable species.
- ii) There is a significant increase in the variety and magnitude of human activities damaging the habitat, biotope or biotope complex and a 50% decline in the next 25 years is feasible. This may be as a result of the cumulative effect of local extinction.
- iii) Habitats that are restricted to isolated locations and are threatened with local extinction because that are vulnerable to human pressures
- iv) Habitats that are characterised or likely to contain (several) nationally rare or scarce species (which are probably themselves listed on BAP species)

The UK BAP criteria were developed from the RMNC criteria for nationally important marine habitats and species which are listed below.

Proportional importance

A high proportion of the marine habitat or population of a species (at any time of its life cycle) occurs within the UK. This may be related to either the global or regional extent of the feature.

Habitats and species are categorised as follows:

Globally important: more than 20% of the global extent of a marine habitat or of the global population of a species (at some stage in its life cycle) occurs within the UK.

Regionally important: more than 30% of the regional extent of a marine habitat, or of the regional population of a species (at some stage in its life cycle) occurs within the UK. 'Regional' refers to the north-east Atlantic (OSPAR) area.

Rarity

Marine habitats and species that are sessile or of restricted mobility (at any time in their life cycle) are considered nationally rare if their distribution is restricted to a limited number of locations.

Rarity is assessed as follows:

The feature occurs in less than 0.5% of the total number of 10 km x 10 km squares in UK waters.

A mobile species qualifies as nationally rare if the total population size is known, inferred or suspected to be fewer than 250 mature individuals. Vagrant species should not be considered under this criterion.

Decline

An observed, estimated, inferred or suspected significant decline (exceeding expected or known natural fluctuations) in numbers, extent or quality of a marine habitat or a species in the UK (for species, quality refers to life history parameters). The decline may be historic, recent or current. Alternatively, a decline at a global or regional level, where there is cause for concern that the proportional importance criterion will be met within the foreseeable future. Decline in extent and quality of features at different scales should be assessed as shown in the following table:

	Extent	Quality
Marine habitats	A marine habitat that has declined in extent to 90% or less of its former natural extent in the UK [i.e. there has been a decline of 10% or more], or its distribution within the UK has become significantly reduced (e.g. lost from several sub-regions).	A marine habitat for which quality, based on change from natural conditions caused by human activities, is negatively affected by: (1) a change of its typical or natural components over a significant part of its UK distribution, or (2) the loss of its typical or natural components in several sub-regions. Such judgement is likely to include aspects of biodiversity, species or habitat composition, age composition, productivity, biomass per area, reproductive ability, non-native species and the abiotic character of the habitat.
Species	Within the UK population of the species: there has been a recent significant decline in numbers of individuals / geographical range, or numbers of individuals / geographical range are presently in marked decline, or the present population is at significantly lower levels than in the past as a result of human activity (evidence for past significant decline)	The species has suffered a significant decline in one or more of the following: Loss of genetic diversity Loss of fecundity Reduction in the number of mature individuals Fragmentation of the population

Threat of significant decline

It is estimated, inferred or suspected that a species or habitat will suffer significant decline (as defined under the "decline" criterion) in the foreseeable future as a result of human activity. This assessment will need to take into account inherent sensitivity, and expected degree of exposure to the effects of human activity. A species or habitat may also qualify under this criterion if there is real cause for concern that it would fulfil the proportional importance criterion in the near future due to the threat of global or regional decline.