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A tool for assessing the current conservation  
status of vascular plants on SSSIs in  
England: May 2006

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**Number 690**

**A tool for assessing the current conservation status of vascular plants on SSSIs in England: May 2006**

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## Cover note

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## Summary

English Nature's Botanical Unit is frequently contacted by Conservation Officers in Area Teams needing to know the current conservation status of vascular plant species. Often, they are trying to ascertain which taxa comprise (or contribute to) the vascular plant 'interest features' on SSSIs. Lists of Schedule 8, Nationally Rare (RDB) and Nationally Scarce species have been subject to numerous revisions over the last 20 years – culminating in May 2005 with the publication of a new national (GB) *Red List*.

Botanists in English Nature identified a pressing need for a single, definitive, readily updateable master-list – a 'one-stop shop' where Conservation Officers could go to find out the conservation status of vascular plants in England, along with detailed guidance on how to use such information when preparing Conservation Objectives and carrying out Common Standards Monitoring of vascular plant Notified Features on SSSIs.

To this end, we carried out a comprehensive review of all the recent national (GB) lists and information sources, with the aim of producing a single spreadsheet showing the current conservation status of all vascular plant species (and subspecies) listed – either now or at some time in the past – as Nationally Rare/Red Data Book, Nationally Scarce, Schedule 8, or threatened or 'Near Threatened' in the 2005 *Red List*. In consultation with colleagues in Sites and Surveillance Team, we also prepared supplementary guidance for use by COs when assessing the vascular plant Notified Features on their SSSIs.

The resulting report comprises a detailed guidance note, a flow chart and a semi-automated vascular plant master-spreadsheet (the latter also included at the back of the report as a CD). The flow chart and spreadsheet can be applied to all SSSIs, **whether or not they were originally notified for a vascular plant species interest**, as well as to candidate SSSIs and other areas where COs are assessing potential vascular plant interest features.

The master-spreadsheet includes all current (and former) Schedule 8, Nationally Rare (RDB) and Nationally Scarce species/subspecies in GB, plus all taxa listed in the 2005 *Red List* as **Extinct, Critically Endangered, Endangered, Vulnerable, Near Threatened and Data Deficient**. It includes a large number of Red-listed hybrids and microspecies, plus a few rare or threatened taxa which have come to our attention since publication of the *Red List*. Taxa are listed under both their currently accepted names and frequently used synonyms, so plants can be looked up under their 'old' names – particularly useful when working with old species lists, citations, etc.

The master-list sits behind – and is linked to – a 'species entry' form which allows species occurring on a site to be selected and listed, with the current conservation status being extracted automatically from the master-list as each species name is entered.

It is recognised that future reviews of the *Red List* and revision of Nationally Rare and Nationally Scarce lists – along with taxonomic and nomenclatural changes – will require the master-spreadsheet to be periodically updated. The present list was drafted in May 2006 and all status assessments are those 'current' at time of publication (September 2006).





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Research Information Note



# 1 Introduction

## 1.1 Background

- 1.1.1 English Nature's Botanical Unit is frequently contacted by Conservation Officers (COs) in Area Teams needing to know the up-to-date national status of vascular plant species. Often, COs are trying to ascertain – in light of improved knowledge of species<sup>1</sup> on their SSSIs and the numerous reviews and revisions of the national lists of Schedule 8, Nationally Rare (RDB) and Nationally Scarce species that have occurred since the sites were originally notified – which species comprise (or contribute to) the vascular plant interest features for which the SSSIs were notified. In particular, COs are frequently asking us to help them check lists of species on SSSIs notified for their 'scoring combinations' of rare/scarce species under Chapter 11, section 3.3 of the *Guidelines for selection of biological SSSIs* (1989) (the '1989 Guidelines'), or under C1(b) of the 1983 or 1979 Guidelines, so that they can be certain that conservation objectives are being written – and common standards monitoring (CSM) carried out – for the correct species<sup>2</sup>.
- 1.1.2 As an aid to COs undertaking this work, we have drafted a flow chart (Annex 1), and a semi-automated vascular plant master-spreadsheet (Annex 2). The spreadsheet is also included as a CD with this report. The flow chart and spreadsheet can be applied to *all* SSSIs, *whether or not they were originally notified for a vascular plant species interest*, as well as to pSSSIs where COs are having to assess potential vascular plant interest features under Chapter 11, sections 3.1-3.3 of the 1989 Guidelines. It is important to remember, however, that for existing SSSIs a distinction must be drawn between interest features forming part of the original SSSI notification (for which conservation objectives and CSM are required) and additional interest features coming to light since notification (for which conservation objectives and CSM are not required).
- 1.1.3 The vascular plant master-spreadsheet contains all current (and former) Schedule 8, Nationally Rare (RDB) and Nationally Scarce species in Great Britain, plus species listed in the new *GB Red List* (Cheffings & Farrell 2005) as **Critically Endangered**, **Endangered**, **Vulnerable**, **Near Threatened** and **Data Deficient**. Thus, the spreadsheet should allow an up-to-date assessment to be made of SSSIs notified for their Schedule 8 species<sup>3</sup>, Red Data Book species and scoring combinations (= assemblages) of Schedule 8, RDB, Nationally Rare and Nationally Scarce species. It should also enable COs to identify and flag up those SSSIs that, whilst not formally notified for their vascular plant species, nevertheless support one or more Schedule 8, Rare, Scarce or Red-listed species.

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<sup>1</sup> The term 'species' in this guidance note should be interpreted as meaning *taxon*, in that it can also refer to other taxonomic entities, eg subspecies or species aggregates; current convention is that eligible taxa are restricted to those at the level of subspecies or above, ie varieties are excluded from consideration.

<sup>2</sup> For convenience, a précis of the relevant sections of the 1989, 1983 and 1979 guidelines is given in Annex 3. For detailed vascular plant CSM guidance, refer to JNCC (2004) ISSN 1743-8160, downloadable as a pdf file from the JNCC website and posted on the English Nature intranet.

<sup>3</sup> Or, under 1979 guidelines criterion C1(a), SSSIs notified for species listed in Schedule 2 of the Conservation of Wild Creatures and Wild Plants Act 1975 (Amended) [precursor to Schedule 8 of the Wildlife & Countryside Act 1981]

1.1.4 Endemic species, non-endemic species threatened in Europe, declining species and species at the edge of their range, and microspecies and hybrids are only covered here to the extent that many of the relevant taxa are also Nationally Rare, Nationally Scarce or Red-listed<sup>4</sup>. We have included in the master-spreadsheet all microspecies listed as rare/scarce in the 1983 or 1989 guidelines, even though many of these (mainly *Hieracia*) were not formally assessed in the *Red List* and do not appear on the most recent national lists of rare/scarce species. We have included all the microspecies and hybrids listed in the *Red List*, including not only those appearing on the main list but also – in the case of some *Rubus* and *Taraxacum* species – those known to occur in 5 or fewer 10-km squares and listed as ‘candidate’ species in section 3 of the *Red List* report (Cheffings & Farrell 2005, pp 8-9); all these microspecies are assessed as being Nationally Rare, and are shown as such in the master-spreadsheet (see section 4 below).

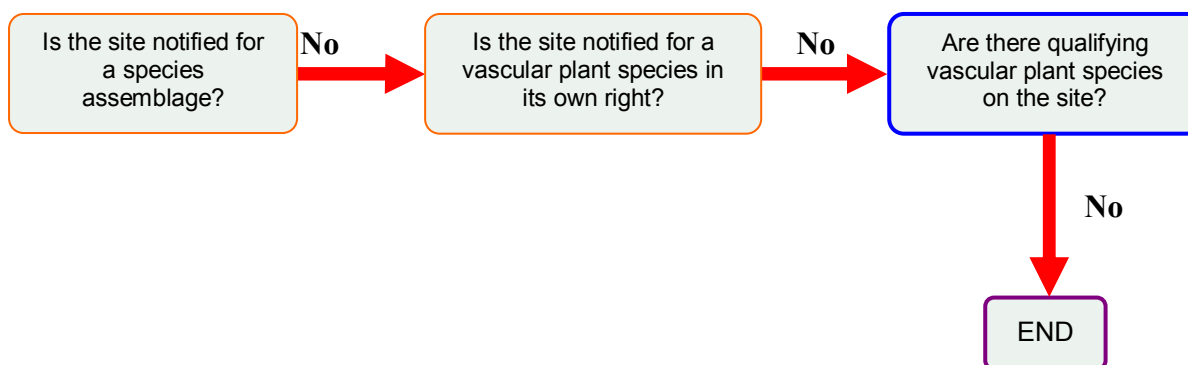
## 1.2 The flow chart (Annex 1)

1.2.1 There are several different route-ways through the flow chart, and the route taken by a given SSSI will be determined by its special interest (as stated in the original notification documents – the citation and criteria sheet), whether that special interest includes vascular plant species, and whether or not this comprises one or more species notified ‘in their own right’ and/or a notified ‘species assemblage’ (ie a scoring combination).

1.2.2 Essentially, there are four route-ways. These are explained in detail in the following sections.

## 2 Route-ways through the flow chart

### 2.1 Route 1



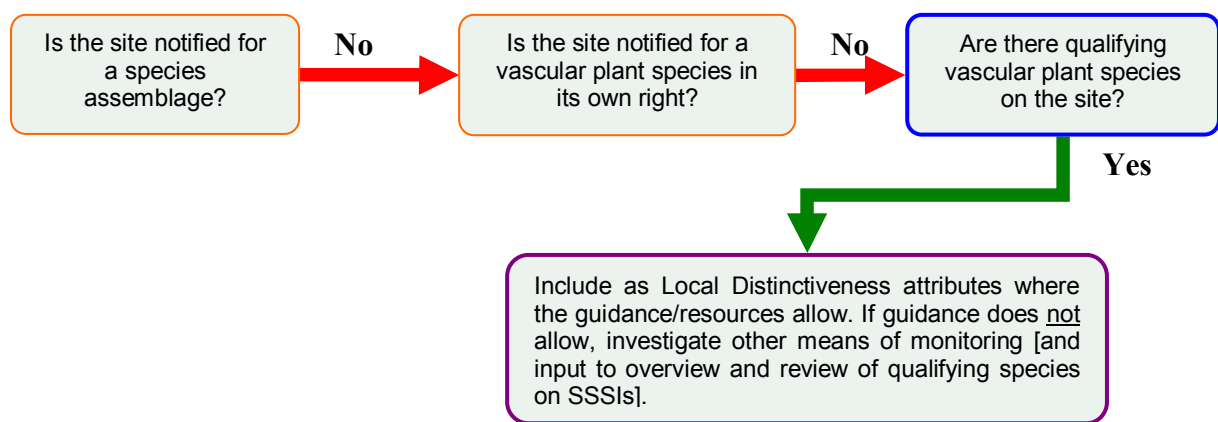
<sup>4</sup> Some SSSIs may therefore be notified for species not appearing on the vascular plant master-spreadsheet (eg a site notified under Chapter 11, section 3.8 for a microspecies or hybrid that is not itself Nationally Rare or Scarce; or a site notified under section 3.6 for one or more ‘regional rarities’). In such cases, advice should be sought from the relevant botanical specialist: these species are generally omitted from the existing CSM guidance since this covers Schedule 8, Nationally Rare and Nationally Scarce species only.

2.1.1 This is the Route taken by any SSSI (geological or biological) not notified for any vascular plant interest features, and not known to support any qualifying vascular plant species<sup>5</sup>. Most geological SSSIs would be Route 1 SSSIs, but a geological SSSI now known to support one or more qualifying vascular plant species, would follow Route 2.

### 2.1.2 Example of a Route 1 SSSI

- *Emborough Quarries SSSI, Somerset* – a geological SSSI with no known botanical interest.

## 2.2 Route 2



2.2.1 This is the Route taken by an SSSI not notified for its vascular plant interest (neither an assemblage nor a species in its own right), but which is known to support one or more qualifying vascular plant species.

2.2.2 *The qualifying species in a Route 2 SSSI do not require conservation objectives or CSM as they cannot be construed to form part of the notified interest of the site, but this isn't to say that the species are therefore unimportant; indeed, where possible, such species should be included as Local Distinctiveness attributes for the habitats in which they occur, or some other means should be found to ensure they are monitored outwith CSM.*

<sup>5</sup> In this context, a qualifying species is taken to be any listed with a 'Yes' or a '[No]' on the master-spreadsheet, ie a native species, archaeophyte or 'listed neophyte' which is **Nationally Rare** (1-15 10-km squares in GB), **Nationally Scarce** (16-100 10-km squares in GB), listed on Schedule 8 and/or included in the new *Red List* (Cheffings & Farrell 2005) as **Data Deficient**, **Near Threatened**, **Vulnerable**, **Endangered** or **Critically Endangered**. Thus, it includes all those rare/scarce and Red Data Book species that would (or could) have been part of the 'reason for a site being notified as a SSSI'; whether or not they actually were part of that reason for notification, however, will depend on a variety of factors, in particular whether or not they were explicitly mentioned on the citation or listed on the criteria sheet. If they were not mentioned in this way, their inclusion within a notified assemblage will depend very much on whether the citation is considered to be flexible enough to allow this. Red-listed species that are not rare or scarce cannot form part of a notified assemblage but should, wherever possible, be included as indicators of Local Distinctiveness when assessing the condition of the habitats in which they occur. If in doubt, consult botanical specialists and Sites and Surveillance Team.

2.2.3 It is also important for English Nature to be aware – both locally and nationally – of the existence of the species involved. There are two main reasons for this:

- If the qualifying species would now form a legitimate reason for the site’s notification, there may be a case for including the SSSI on a list of sites with citations requiring revision to properly reflect the full range of interest features they contain.
- English Nature needs to maintain an overview of the representation of rare/scarce and Red-listed species across the SSSI network, whether or not the SSSIs were specifically notified for those species.

#### 2.2.4 Examples of Route 2 SSSIs

- *Abbotsbury Blind Lane SSSI, Dorset* – a geological SSSI which supports a population of *Vicia lutea* (Nationally Scarce and Near Threatened on *Red List*).
- *Roundham Head, Devon* – a geological SSSI which is the type locality for *Limonium procerum* subsp. *devoniense* (Nationally Rare, but not currently Red-listed due to unresolved taxonomic issues).
- *Sylvia’s Meadow, Cornwall* – a biological SSSI notified only on *habitat* grounds (grassland), but supporting four species on the new *Red List* which are now categorised as ‘qualifying species’.

In the first two cases, the rare species do not require conservation objectives or CSM but should, if possible, be monitored outwith CSM. In the third case, Sylvia’s Meadow, the Red-listed species may be included as indicators of Local Distinctiveness for the habitat in which they occur (but only if the relevant habitat guidance permits inclusion of discretionary Local Distinctiveness attributes in this way).

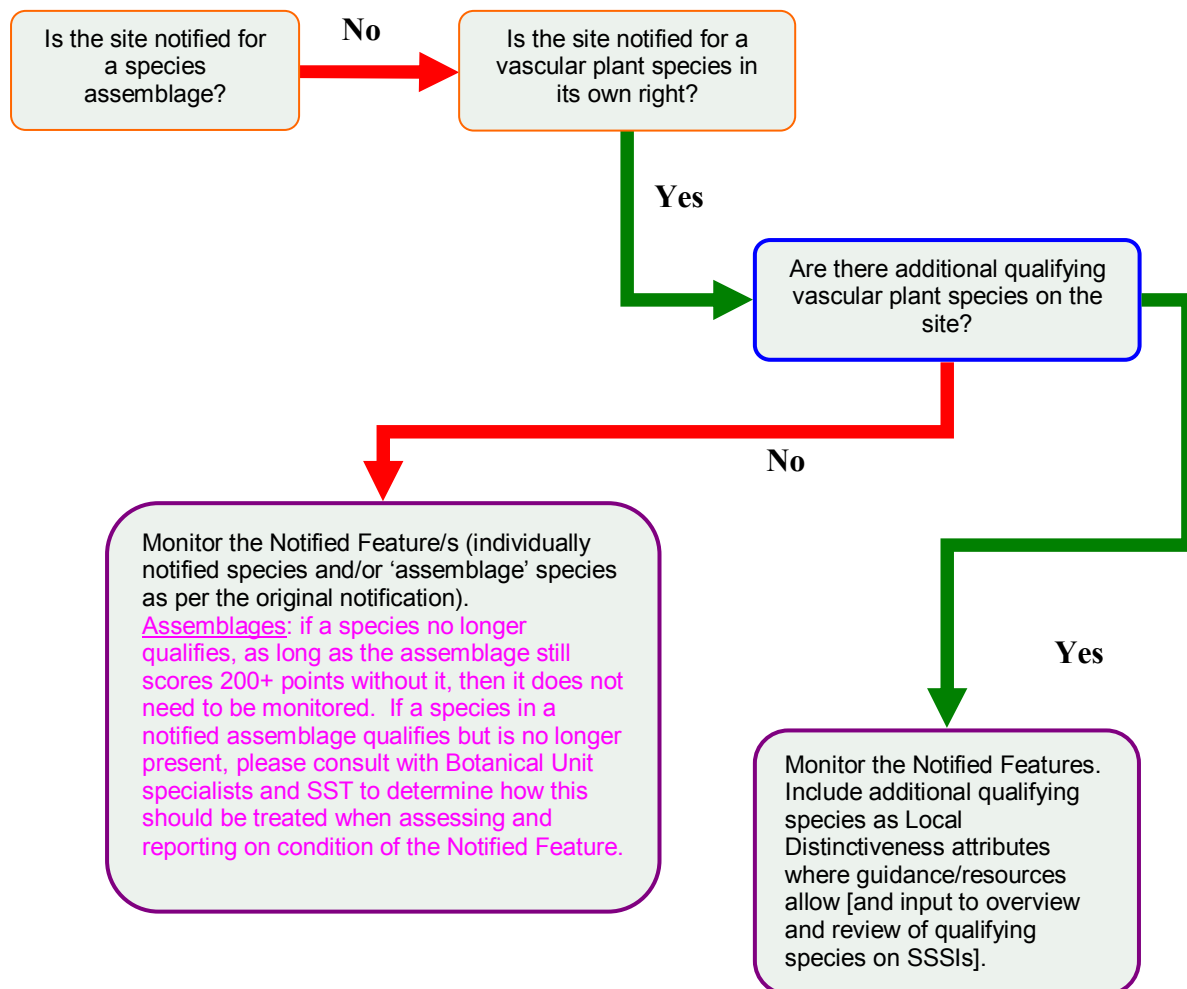
### 2.3 Route 3

2.3.1 This is the Route taken by any SSSI notified, in whole or in part, on account of one or more vascular plant species *in their own right*, but where there was no reference to there also being a vascular plant ‘species assemblage’ (= scoring combination, *sensu* Chapter 11, section 3.3 of the 1989 Guidelines) as a formal part of that interest. That isn’t to say that at the time of notification there were no rare/scarce species present, simply that they did not together constitute a scoring combination of 200+. For sites having both a scoring combination of 200+ *and* one or more species notified in their own right, see section 2.4 below.

#### 2.3.2 Examples of Route 3 SSSIs

- A biological SSSI notified for a single Schedule 8 species (criterion C1(a) of the 1979/83 guidelines, or Chapter 11, section 3.1 of the 1989 guidelines), eg *Bray Pennyroyal Field SSSI, Berkshire* – notified for its population of *Mentha pulegium*.

- A biological SSSI notified as an important locality for a single Red Data Book species (criterion C1(c) of the 1979/83 guidelines, or Chapter 11, section 3.2 of the 1989 guidelines), eg *Andrew's Wood SSSI, Devon* – notified for its large population of *Lobelia urens*.
- A biological SSSI which was notified, in whole or in part, for one or more species qualifying under criterion C1(c) of the 1983 guidelines or Chapter 11, sections 3.4, 3.5, 3.6 or 3.8 of the 1989 guidelines; ie an SSSI notified for a species at the edge of its range, a particularly large population of a declining species, a 'regional rarity', or an endemic taxon, microspecies or hybrid, eg *Brocks Farm SSSI, Devon* – notified for its large population of a declining species, *Anacamptis [Orchis] morio*.



2.3.3 A frequent situation which arises is where an SSSI lacking a 'scoring combination' at time of notification, but notified for a species in its own right, is now known to also contain additional qualifying species (the second 'YES' limb in the flow diagram above). In these circumstances, the qualifying species cannot be viewed as a formal part of the interest for which the site was notified – because the site was notified for a species in its own right rather than for an *assemblage* – but wherever possible such

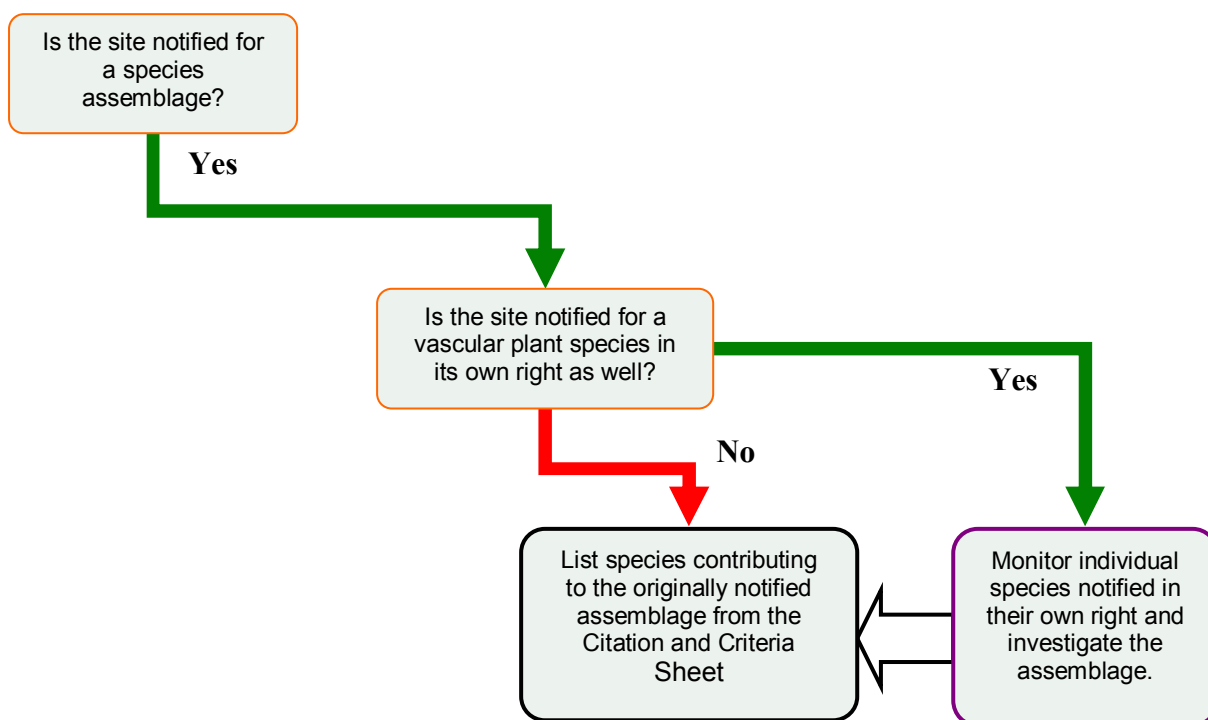
species should be included as indicators of Local Distinctiveness when undertaking CSM of the habitats in which they occur. It is also important to flag up the presence of these additional species for the following reasons:

- If the additional qualifying species would now form a legitimate reason for the site's notification – eg if they comprise a scoring combination of 200+ points – there may be a case for adding the SSSI to a list of sites with citations requiring revision to properly reflect the full range of interest features they contain.
- English Nature needs to maintain an overview of the representation of rare/scarce and Red-listed taxa across the SSSI network, whether or not the SSSIs were specifically notified for those species.

2.3.4 Another potential complication is where an SSSI was notified for a single Red Data Book species, but where the species in question is no longer listed as RDB/Nationally Rare. In such cases, the species should continue to be treated as a legitimate interest feature in its own right, at least until such time as the reasons for notification of the SSSI are formally reviewed and revised. For example:

- *Lynher Estuary SSSI, Cornwall* – notified for the RDB species *Alopecurus bulbosus* – a species now categorised as Nationally Scarce.

## 2.4 Route 4





- 2.4.1 This is the Route taken by any SSSI notified, in whole or in part, for a vascular plant species interest where there is an explicit reference in the citation and/or criteria sheet to there being a vascular plant ‘species assemblage’ as a formal part of that interest.
- 2.4.2 A ‘species assemblage’, in this context, is simply a list of ‘scoring taxa’ – ie Schedule 8, Nationally Rare (Red Data Book) and/or Nationally Scarce taxa – that together constitute a scoring combination of 200+ points under whichever guidelines were in operation at the time the SSSI was notified (ie the 1989, 1983 or 1979 guidelines – see Annex 3).
- 2.4.3 It is important to recognise that an SSSI can be notified both for a scoring combination *and* for one or more species *in their own right*: thus, for example, a Schedule 8 or RDB species may be a notified interest feature under Chapter 11, section 3.1 (1989 guidelines) or criterion C1(a) (1979/83 guidelines) while at the same time contributing towards a scoring combination under Chapter 11, section 3.3 (1989 guidelines) or criterion C1(b) (1979/83 guidelines). Where this is the case, it should be clear from the notification documents that the SSSI was originally notified under more than one ‘vascular plant’ criterion.

#### 2.4.4 Assemblages – making sure the correct species are included

2.4.4.1 Having reached this point, the bottom half of the flow chart (Annex 1) depicts the process for determining which species should be included, and which excluded, from a notified assemblage. This bit of the process is very important, as it will help to draw attention to any mismatch between the current vascular plant interest of an SSSI and the formal reasons for the site being notified in the first place. A mismatch could arise for several reasons, but will usually be due to changes to the national lists of rare and scarce species and/or an improved knowledge of the species present on the SSSI in question. In examining and re/assessing their assemblages, COs will need to draw on a range of information sources (Annex 4).

2.4.4.2 When considering a mismatch between the known vascular plant interest of an SSSI and the original reasons for the site’s notification – and, especially, when trying to decide how to deal with this mismatch when writing conservation objectives and undertaking CSM – much will depend on whether the SSSI citation is flexible enough to allow species to be added or removed.

2.4.4.3 If the citation is flexible, eg “...site supports a number of interesting rare or uncommon species *including* RDB species x, Nationally Scarce species a, b, c and d”, then including any additional qualifying rare/scarce species (and removing ones which no longer qualify) may be relatively straightforward<sup>6</sup>. If, on the other hand, the statement of the site’s interest is *inflexible*, eg “...site supports four Nationally Scarce species, a, b, c and d”, then additional qualifying species may have to be ignored, at

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<sup>6</sup> Note, however, that any additional qualifying species to be added to the ‘scoring combination’ should be checked to ensure that they would also have been ‘scoring species’ at the time the SSSI was notified (and using the scoring system in operation at that time). In reality, almost all species shown as Nationally Scarce on the master-spreadsheet would also have been Nationally Scarce (or possibly Nationally Rare) at the time of notification. Proposed additions to an assemblage notified under the 1979 guidelines, however, would need careful checking as the ‘ceiling threshold’ for inclusion was different to that defined in later guidelines (60 rather than 100 10-km squares – see Appendix 1). In cases of doubt, please consult with the relevant botanical specialist or Sites and Surveillance Team.

least as far as formal CSM is concerned, unless they can be included as discretionary Local Distinctiveness attributes for the habitats in which they occur.

2.4.4.4 It needs to be stressed here that Red-listed species occurring in more than 100 10-km squares are neither Nationally Rare nor Nationally Scarce, and as such cannot form part of a notified assemblage. It is recommended, however, that as far as possible they should be included as indicators of Local Distinctiveness when assessing the habitats in which they occur (see 3.4 below). Whether or not the citation is flexible, it is important to flag up *all* the additional qualifying taxa (including *all* Red-listed species, even if they are listed as '[NO]' species in column 5 of the master-spreadsheet in Annex 2) for the following reasons:

- In the case of an inflexible citation, there may be a case for adding the SSSI to any list of SSSIs requiring revision to properly reflect the full range of species contributing to their rare/scarce assemblages.
- English Nature needs to maintain an overview of the representation of rare/scarce and Red-listed species across the SSSI network, whether or not the SSSIs are specifically notified for those species.

2.4.4.5 It is important to recognise that species no longer qualifying for inclusion in a vascular plant assemblage – and so listed as 'NO' in column 5 of the master-spreadsheet – may still need to be included in an assemblage for CSM purposes if a citation's inflexibility means that they cannot be removed. Also, in cases where a scoring combination now falls below the 200 point threshold due to one or more species being 'downgraded', *it is important that these 'downgraded' species continue to be included as part of the assemblage* (even though the master-spreadsheet indicates otherwise), at least until such time as the reasons for notification of the SSSI are formally reviewed and revised. As an example of this:

- *Eglarooze Cliff SSSI, Cornwall*, notified (under the 1983 guidelines) for a scoring combination of *Lotus angustissimus* (100), *Orobanche maritima* (100), *Crambe maritima* (40) and *Trifolium glomeratum* (40) [total score = 280 points]. *Crambe maritima* is no longer Nationally Scarce, whilst *Lotus angustissimus* is now Nationally Scarce rather than Rare and *Orobanche maritima* is now regarded as merely a variety of the widespread *O. minor*. Thus, the total score is reduced to 100 points. However, for the time being at least, all four species would continue to be included when assessing condition of the vascular plant assemblage interest feature at this site.
- In contrast, on *Prawle Point and Start Point, Devon*, also notified under the 1983 guidelines for a scoring combination of rare/scarce species, both *Crambe* and *Orobanche maritima* can now be excluded from further consideration as the assemblage still scores 200+ without them. Even so, species excluded in this way could be included, if desired, as discretionary indicators of Local Distinctiveness for the habitats in which they occur; eg *Crambe* could be included as a *species* attribute when assessing the beach-head shingle vegetation on *habitat* grounds. Cases such as these will need to be determined on a site-by-site basis, in consultation with the relevant habitat and vascular plant specialists.

### 3 Red-listed species

- 3.1 As well as former and existing Schedule 8, Nationally Rare (Red Data Book) and Nationally Scarce species, the master-spreadsheet also includes all those species listed in the new *Red List* (Cheffings & Farrell 2005) as **Extinct**, **Extinct in the Wild**, **Critically Endangered**, **Endangered**, **Vulnerable** and **Data Deficient**.<sup>7</sup>
- 3.2 The *Red List* differs from previous Red Data Books in that it examined the entire native and archaeophyte flora of Great Britain, not just the rarities, and was based on objective measurements of decline and threat using internationally recognised IUCN criteria. In the past, first and foremost, a ‘Red Data Book’ species had to be *rare*, ie in 15 or fewer 10-km squares, whereas a threatened species in the *Red List* can occur in any number of 10-km squares.
- 3.3 As already noted, those Red-listed species occurring in >100 10-km squares cannot be scored as part of a ‘scoring combination’ of rare and scarce species, but we are concerned that – given these species are threatened nationally – we ought to be taking account of them, if we can, when framing conservation objectives and undertaking CSM on SSSIs.
- 3.4 It is also important that, as with rare and scarce species, we ascertain how well these ‘widespread’ Red-listed species are represented across the SSSI network. We have listed them as ‘[NO]’ species in column 5 of the master-spreadsheet, and are recommending that for the time being – at least until the SSSI guidelines are revised – they should, as far as possible, be included as indicators of Local Distinctiveness when assessing the condition of the habitats in which they occur. Most such species do not currently have CSM guidance; COs requiring specific guidance will therefore need to consult with the relevant botanical specialist.

### 4 Hybrids and *Hieracium*, *Rubus* and *Taraxacum* microspecies

- 4.1 The treatment of hybrids and *Hieracium*/*Rubus*/*Taraxacum* microspecies on the master-spreadsheet is not straightforward. A few such taxa were included in the rare/scarce lists attached to the 1989 guidelines (eg *Equisetum x litorale*), and many more were attached to the 1983 guidelines; however, most rare/scarce hybrids – along with rare/scarce microspecies of the larger apomictic genera, eg *Taraxacum*, *Rubus* – were omitted from these lists, usually due to taxonomic doubts or lack of information concerning their distribution or status. A notable exception to this was a list of scarce *Hieracium* and *Rubus* species attached to the 1983 guidelines. We have included these in the master-spreadsheet as ‘NOT ASSESSED’ in columns 2 and 3, and as ‘NO’ species in column 5, since they are not included on the recent national lists of rare/scarce species, were not considered for the new *Red List*, and we have been unable to ascertain their present status. However, if an SSSI has one or more of these

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<sup>7</sup> The master-spreadsheet also includes Red-listed hybrids from the main list of the new *Red List*, along with *Taraxacum* and *Rubus* microspecies which were listed separately as ‘candidate microspecies’ in section 3 of the new *Red List* – these are discussed in the next section.

listed microspecies as a notified interest feature (or as a named species within a notified assemblage) then they should continue to be treated as such when writing conservation objectives and undertaking CSM. Similarly, there are *Rubus*, *Taraxacum* and *Hieracium* microspecies listed in the Red Data Book (3<sup>rd</sup> edition, Wigginton 1999) – these also are shown as ‘NOT ASSESSED’ and ‘NO’ species (unless they were subsequently included in the *Red List* – 4.2 and 4.3 below).

- 4.2 A number of Nationally Rare, endemic (and possibly threatened) *Rubus* and *Taraxacum* species listed in the RDB (1999) were listed in the introductory sections of the *Red List* (section 3 of Cheffings & Farrell 2005), and we have included these species on the master-spreadsheet as ‘CANDIDATE MICROSPECIES’. As these are all also Nationally Rare, we have listed them as ‘YES’ species in column 5 and given them a score of 100 points in column 6.
- 4.3 Several *Taraxacum* and *Hieracium* (but not *Rubus*) species appeared as *threatened* taxa in the main list of the *Red List*: these are shown as ‘YES’ species on the master-spreadsheet, with their threat categories shown in column 2, and – since they are all also Nationally Rare – a score of 100 points in column 6. Likewise, the master-spreadsheet includes all those *threatened* hybrids listed in the *Red List*: as with Red-listed microspecies, these are listed as ‘YES’ taxa in column 5, with a score of 100 points in column 6.
- 4.4 In practice, most SSSIs will not have been notified for hybrids or microspecies, and the few that have been will usually be evident from an examination of SSSI citations and criteria sheets. If such taxa formed part of the reason for notification, they should be included when writing conservation objectives and carrying out CSM. If, on the other hand, one or more listed hybrids or microspecies are present on an SSSI but did *not* form part of the vascular plant interest for which the site was originally notified, then (apart from those listed with a ‘YES’ in column 5) they can usually be ignored for purposes of CSM. In such cases, however, it may be desirable to try to include rare/scarce hybrids or microspecies as Local Distinctiveness attributes when undertaking CSM of the habitats in which they occur. If in doubt, COs should consult with the relevant botanical specialist.
- 4.5 There will no doubt remain some confusion (even disagreement) over how to deal with hybrids and microspecies when examining vascular plant interest features on SSSIs, and it is true to say that their treatment in national rare/scarce lists and in the *Red List* has been neither systematic nor comprehensive. Our aim, however, in constructing the master-spreadsheet has been to be as even-handed and ‘inclusive’ as we can be, and we have therefore attempted as far as possible to treat the larger critical genera (*Hieracium*, *Taraxacum*, *Rubus*) in the same way as smaller critical genera like *Euphrasia*, *Limonium*, *Salicornia* and *Sorbus*.
- 4.6 All hybrid taxa, and most microspecies, are lacking CSM guidance (JNCC 2004). Usually, COs should seek to apply the habitat guidance for the habitats in which they occur, together with presence/absence attributes (see Appendix 6 of CSM guidance for ‘vascular plant species monitored using habitat guidance’ (JNCC 2004)).

## 5 Why are some neophytes included in the master-spreadsheet?

- 5.1 As well as native and archaeophyte species, the master-spreadsheet includes a number of species regarded as certain or probable neophytes (recent introductions). These are usually species which were previously considered native, or possibly so – or were included as rare aliens in early editions of the RDB – but which are now regarded as certain introductions and so deleted from later editions of the RDB and from the new *Red List* (eg *Anisantha diandra*, *A. tectorum*, *Paeonia mascula*). They are included in the master-spreadsheet in Annex 2 with a ‘NO’ in column 5 and the comment ‘not a native taxon’ in column 7.
- 5.2 There are other neophytes, however, which are included on the spreadsheet as ‘YES’ species, either because they are listed on Schedule 8 (eg *Melampyrum arvense*, *Gnaphalium luteoalbum*, *Teucrium botrys*, *Equisetum ramosissimum*), or because we believe there is still some doubt about their status as neophytes and we know there are SSSIs notified for them (eg *Tetragonolobus maritimus*, *Prunella laciniata*). In the *Red List* (Cheffings & Farrell 2005) several problematical rare/scarce neophytes were included in a so-called ‘Waiting List’, in recognition of continuing disagreements amongst experts as to their true status (eg *Lavatera cretica*, *Vulpia unilateralis*) – we decided to take a precautionary approach to these species, and so have included them as ‘YES’ species on the master-spreadsheet.
- 5.3 We hope that the master-spreadsheet includes all the neophytes that COs are likely to be concerned about when examining the vascular plant species interest features on their SSSIs. COs requiring advice on the conservation status of any neophytes not listed in the spreadsheet should consult with the relevant botanical specialist.
- 5.4 It is important to remember that if a site was notified for a species now regarded as a neophyte then it should be monitored under CSM, unless it forms part of a scoring combination which still scores 200+ points even after it is removed from the list – in which case it can be ignored.

## 6 Regional rarities

- 6.1 Species interest features comprising ‘regional rarities’ or plants at the edge of their range (1989 guidelines, Chapter 11, section 3.6) may include species that do not appear on the master-spreadsheet. This is because ‘qualifying species’ under section 3.6 do not have to be Schedule 8, Nationally Rare/RDB, Nationally Scarce or Red-listed. The presence of the northern species *Saxifraga hypnoides* in Cheddar Gorge, Somerset, would be a good example of a non-rare/scarce species occurring as a ‘regional rarity’ (and southern outlier) in one part of the country while occurring frequently elsewhere.
- 6.2 It will usually be clear from the citation and criteria sheet if an interest feature of this sort exists, but sometimes this is not the case. If in doubt, such species should be included in the initial assessment of the SSSI’s botanical interest, and then botanical specialists and Sites and Surveillance Team consulted to determine whether the regional rarities/edge of range species in question comprised part of the formal

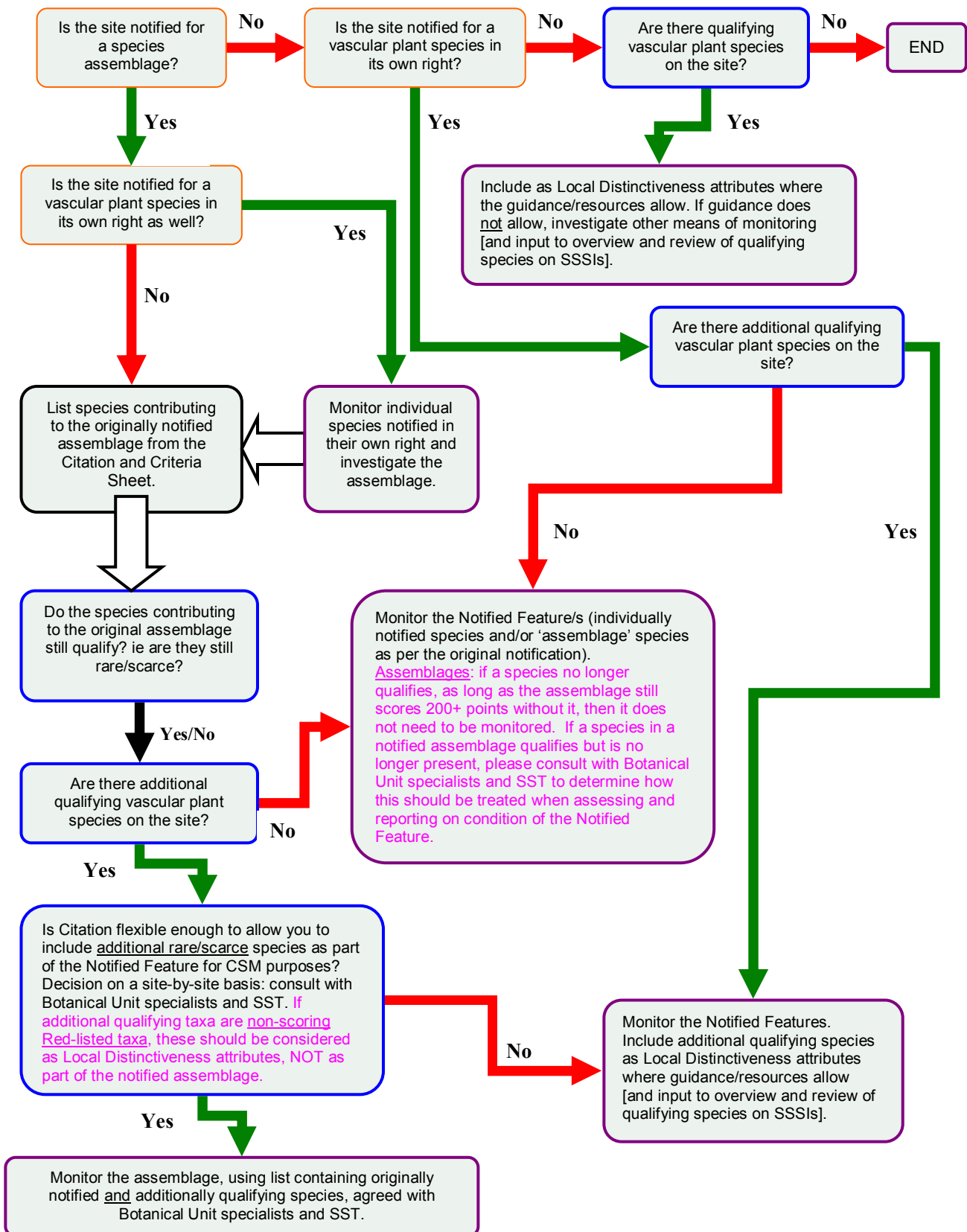
notification. If they do not form one or more of the interest features for which the SSSI was notified, their continued presence on that SSSI is not, strictly speaking, a requirement of ‘favourable condition’ – although consideration should be given to including such species, whenever possible, as indicators of Local Distinctiveness when assessing the condition of the habitats in which they occur.

- 6.3 Most regional rarities, unless they are also rare/scarce, will be lacking CSM guidance. As a general rule COs should seek to apply the guidance for the habitat in which their regional rarities/edge of range species occur, together with presence/absence attributes (see Appendix 6 of CSM guidance for ‘vascular plant species monitored using habitat guidance’ (JNCC 2004)). In difficult cases, however, COs will need to consult with relevant botanical specialists.

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# Annex 1 Defining Vascular Plant Notified Features on SSSIs: a flow chart







## **Annex 2 The master-spreadsheet**

- (1) Species entry form
- (2) Master-list



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Aceras anthropophorum</i>	Endangered	Scarce	-	Yes	50	-
<i>Acinos arvensis</i>	Vulnerable	Not rare/scarce	-	[No]	-	synonym for <i>Clinopodium acinos</i>
<i>Aconitum anglicum</i>	Waiting List	Scarce	-	Yes	50	synonym for the supposedly native (end endemic?) <i>A. napellus</i> subsp <i>napellus</i> . Include only if native: if in doubt consult specialist
<i>Aconitum napellus</i>	Waiting List	Scarce	-	Yes	50	include only if the native subsp <i>napellus</i> , which is same taxon as <i>A. anglicum</i> : if in doubt consult specialist
<i>Aconitum napellus</i> subsp. <i>napellus</i>	Waiting List	Scarce	-	Yes	50	same as <i>A. anglicum</i> , the native subspecies (though taxonomic doubts remain). Include if native: if in doubt consult specialist
<i>Actaea spicata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Adiantum capillus-veneris</i>	Least Concern	Scarce	-	Yes	50	-
<i>Adonis annua</i>	Endangered	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Agrostemma githago</i>	Waiting List	Rare	-	Yes	100	frequent constituent of wild flower seed mixes: include only if occurring as an archaeophyte
<i>Ajuga chamaepitys</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Ajuga genevensis</i>	Neophyte	Formerly RDB	-	No	-	extinct, but not a native taxon
<i>Ajuga pyramidalis</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Ajuga pyramidalis</i> x <i>reptans</i>	Vulnerable	Rare	-	Yes	100	same as <i>A. x pseudopyramidalis</i>
<i>Ajuga reptans</i> x <i>pyramidalis</i>	Vulnerable	Rare	-	Yes	100	same as <i>A. x pseudopyramidalis</i>
<i>Ajuga x pseudopyramidalis</i>	Vulnerable	Rare	-	Yes	100	same as <i>A. reptans</i> x <i>pyramidalis</i>
<i>Alchemilla acutiloba</i>	Vulnerable	Rare	-	Yes	100	-
<i>Alchemilla glaucescens</i>	Least Concern	Scarce	-	Yes	50	-
<i>Alchemilla glomerulans</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Alchemilla gracilis</i>	Endangered	Rare	-	Yes	100	synonym for <i>A. micans</i>
<i>Alchemilla micans</i>	Endangered	Rare	-	Yes	100	current name: same as <i>A. gracilis</i>
<i>Alchemilla minima</i>	Waiting List	Rare	-	Yes	100	-
<i>Alchemilla monticola</i>	Endangered	Rare	-	Yes	100	-
<i>Alchemilla subcrenata</i>	Endangered	Rare	-	Yes	100	-
<i>Alchemilla wichurae</i>	Endangered	Scarce	-	Yes	50	-
<i>Alisma gramineum</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Allium ampeloprasum</i>	Least Concern	Scarce	-	Yes	50	current name: includes <i>A. babingtonii</i> . Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Allium ampeloprasum</i> var. <i>ampeloprasum</i>	Least Concern	Scarce	-	Yes	50	include as <i>A. ampeloprasum</i>
<i>Allium ampeloprasum</i> var. <i>babingtonii</i>	Least Concern	Scarce	-	Yes	50	include as <i>A. ampeloprasum</i>
<i>Allium babingtonii</i>	Least Concern	Scarce	-	Yes	50	include as <i>A. ampeloprasum</i>
<i>Allium oleraceum</i>	Vulnerable	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Allium schoenoprasum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Allium scorodoprasum</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Allium sphaerocephalon</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Alopecurus aequalis</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Alopecurus alpinus</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>A. borealis</i> ; this taxon listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so there may be sites notified for this species in its own right
<i>Alopecurus borealis</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>A. alpinus</i> ; this taxon listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so there may be sites notified for this species in its own right
<i>Alopecurus bulbosus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Althaea hirsuta</i>	Neophyte	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Althaea officinalis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Alyssum alyssoides</i>	Neophyte	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Anacamptis morio</i>	Near Threatened	Not rare/scarce	-	[No]	-	current name: same as <i>Orchis morio</i> ; listed in 1989 guidelines under criterion 3.6 as example of a declining species for which SSSIs holding "particularly large populations" could be notified - if SSSI was notified for this species in its own right, it should be included under CSM
<i>Anagallis arvensis</i> subsp. <i>caerulea</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>A. arvensis</i> subsp. <i>foemina</i>
<i>Anagallis arvensis</i> subsp. <i>foemina</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>A. foemina</i> & <i>A. arvensis</i> subsp. <i>caerulea</i> . Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Anagallis foemina</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>A. arvensis</i> subsp. <i>foemina</i> . Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Anagallis minima</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Andromeda polifolia</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Anisantha diandra</i>	Neophyte	Formerly scarce	-	No	-	not a native taxon; current name - same as <i>Bromus diandrus</i>
<i>Anisantha madritensis</i>	Neophyte	Rare	-	Yes	100	consult specialist: exclude unless considered possibly native (Avon Gorge)
<i>Anisantha tectorum</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon; current name - same as <i>Bromus tectorum</i>
<i>Anthemis arvensis</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Anthemis cotula</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Anthoxanthum aristatum</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Anthoxanthum puelii</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Anthyllis vulneraria</i> subsp. <i>lapponica</i>	Waiting List	Scarce	-	Yes	50	-
<i>Apera interrupta</i>	Neophyte	Scarce	-	Yes	50	consult specialist: include only if within possibly native range
<i>Apera spica-venti</i>	Near Threatened	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Apium repens</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988; also listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1
<i>Arabis alpina</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Arabis glabra</i>	Endangered	Scarce	-	Yes	50	current name: same as <i>Turritis glabra</i> . Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Arabis petraea</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>Cardaminopsis petraea</i>
<i>Arabis scabra</i>	Vulnerable	Rare	Sch. 8	Yes	200	current name: same as <i>A. stricta</i> ; added to Sch. 8 in 1988
<i>Arabis stricta</i>	Vulnerable	Rare	Sch. 8	Yes	200	synonym for <i>A. scabra</i>
<i>Arctostaphylos alpinus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Arenaria norvegica</i>	Near Threatened	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Arenaria norvegica</i> subsp. <i>anglica</i>	Near Threatened	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Arenaria norvegica</i> subsp. <i>norvegica</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Armeria maritima</i> subsp. <i>elongata</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Arnoseris minima</i>	Extinct	Rare	-	Yes	100	-
<i>Artemisia campestris</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Artemisia norvegica</i>	Vulnerable	Rare	-	Yes	100	the British plants are now (2006) considered to be an endemic subspecies (subsp. <i>scotica</i> )
<i>Arthrocnemum perenne</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>Sarcocornia perennis</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Arum italicum</i>	Near Threatened	Scarce	-	Yes	50	only include if referring to native subsp <i>neglectum</i> : if in doubt consult specialist
<i>Arum italicum</i> subsp. <i>neglectum</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Asparagus officinalis</i> subsp. <i>prostratus</i>	Endangered	Rare	-	Yes	100	synonym for <i>A. prostratus</i>
<i>Asparagus prostratus</i>	Endangered	Rare	-	Yes	100	current name: same as <i>A. officinalis</i> subsp. <i>prostratus</i>
<i>Asplenium billotii</i>	Near Threatened	Scarce	-	Yes	50	synonym for <i>A. obovatum</i>
<i>Asplenium lanceolatum</i>	Near Threatened	Scarce	-	Yes	50	synonym for <i>A. obovatum</i>
<i>Asplenium obovatum</i>	Near Threatened	Scarce	-	Yes	50	current name: same as <i>A. billotii</i> & <i>A. lanceolatum</i>
<i>Asplenium ruta-muraria</i> x <i>septentrionale</i>	Vulnerable	Rare	-	Yes	100	same as <i>A. x murbeckii</i>
<i>Asplenium septentrionale</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Asplenium septentrionale</i> x <i>ruta-muraria</i>	Vulnerable	Rare	-	Yes	100	same as <i>A. x murbeckii</i>
<i>Asplenium trichomanes</i> subsp. <i>pachyrachis</i>	Near Threatened	Rare	-	Yes	100	-
<i>Asplenium trichomanes</i> subsp. <i>trichomanes</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Asplenium x murbeckii</i>	Vulnerable	Rare	-	Yes	100	same as <i>A. ruta-muraria</i> x <i>septentrionale</i>
<i>Aster linosyris</i>	Least Concern	Rare	-	Yes	100	current name: same as <i>Crintaria linosyris</i>
<i>Astragalus alpinus</i>	Vulnerable	Rare	-	Yes	100	-
<i>Astragalus danicus</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Athyrium distentifolium</i>	Least Concern	Scarce	-	Yes	50	-
<i>Atriplex longipes</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Atriplex pedunculata</i>	Critically Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>Halimione pedunculata</i> ; added to Sch. 8 in 1992
<i>Atriplex praecox</i>	Least Concern	Scarce	-	Yes	50	-
<i>Baldellia ranunculoides</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Baldellia ranunculoides</i> subsp. <i>ranunculoides</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Baldellia ranunculoides</i> subsp. <i>repens</i>	Data Deficient	Not Assessed	-	[No]	-	current name: same as <i>B. repens</i>
<i>Baldellia repens</i>	Data Deficient	Not Assessed	-	[No]	-	synonym for <i>B. ranunculoides</i> subsp <i>repens</i>
<i>Bartsia alpina</i>	Least Concern	Rare	-	Yes	100	-
<i>Betula nana</i>	Least Concern	Scarce	-	Yes	50	-
<i>Blysmus compressus</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Brassica oleracea</i>	Least Concern	Scarce	-	Yes	50	include only if on a coastal long-established or native site: if in doubt consult specialist
<i>Briza minor</i>	Least Concern	Scarce	-	Yes	50	-
<i>Bromopsis benekenii</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>Bromus benekenii</i>
<i>Bromus benekenii</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>Bromopsis benekenii</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Bromus diandrus</i>	Neophyte	Formerly scarce	-	No	-	not a native taxon; synonym for <i>Anisantha diandra</i>
<i>Bromus ferronii</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>B. hordeaceus</i> subsp. <i>ferronii</i>
<i>Bromus hordeaceus</i> subsp. <i>ferronii</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>B. ferronii</i>
<i>Bromus hordeaceus</i> subsp. <i>thominei</i>	Least Concern	Scarce	-	Yes	50	-
<i>Bromus interruptus</i>	Extinct in the Wild	Rare	-	Yes	100	-
<i>Bromus madritensis</i>	Neophyte	Rare	-	Yes	100	synonym for <i>Anisantha madritensis</i> : consult specialist: exclude unless considered possibly native (Avon Gorge)
<i>Bromus pseudosecalinus</i>	Waiting List	Rare	-	Yes	100	-
<i>Bromus secalinus</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Bromus tectorum</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon; synonym for <i>Anisantha tectorum</i>
<i>Buglossoides purpureocaerulea</i>	Least Concern	Rare	-	Yes	100	synonym for <i>Lithospermum purpureocaeruleum</i>
<i>Bunium bulbocastanum</i>	Least Concern	Rare	-	Yes	100	-
<i>Bupleurum baldense</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Bupleurum falcatum</i>	Neophyte	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Bupleurum rotundifolium</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Bupleurum tenuissimum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Buxus sempervirens</i>	Least Concern	Rare	-	Yes	100	include only if native
<i>Calamagrostis canescens</i> x <i>stricta</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x gracilescens</i>
<i>Calamagrostis purpurea</i>	Data Deficient	Rare	-	Yes	100	same as <i>C. purpurea</i> subsp. <i>phragmitoides</i>
<i>Calamagrostis purpurea</i> subsp. <i>phragmitoides</i>	Data Deficient	Rare	-	Yes	100	same as <i>C. purpurea</i>
<i>Calamagrostis scotica</i>	Vulnerable	Rare	-	Yes	100	-
<i>Calamagrostis stricta</i>	Vulnerable	Rare	-	Yes	100	-
<i>Calamagrostis stricta</i> x <i>canescens</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x gracilescens</i>
<i>Calamagrostis x gracilescens</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. canescens</i> x <i>stricta</i>
<i>Calamintha menthifolia</i>	Critically Endangered	Rare	Sch. 8	Yes	200	synonym for <i>Clinopodium menthifolium</i> ; added to Sch. 8 in 1981
<i>Calamintha nepeta</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>Clinopodium calamintha</i>
<i>Calamintha sylvatica</i>	Critically Endangered	Rare	Sch. 8	Yes	200	synonym for <i>Clinopodium menthifolium</i> ; added to Sch. 8 in 1981
<i>Callitriche hermaphroditica</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Callitriche palustris</i>	Endangered	Rare	-	Yes	100	-
<i>Callitriche truncata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Calystegia sepium</i> subsp. <i>roseata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Camelina sativa</i>	Least Concern	Scarce	-	Yes	50	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Campanula patula</i>	Endangered	Scarce	-	Yes	50	-
<i>Campanula persicifolia</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon - now widely scattered as garden escape
<i>Campanula rapunculus</i>	Endangered	Rare	-	Yes	100	-
<i>Cardamine bulbifera</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>Dentaria bulbifera</i>
<i>Cardamine impatiens</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Cardaminopsis petraea</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>Arabis petraea</i>
<i>Carex acuta x aquatilis</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex acuta x elata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x prolixa</i>
<i>Carex acutiformis x riparia</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x sooi</i>
<i>Carex acutiformis x vesicaria</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x ducellieri</i>
<i>Carex appropinquata</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Carex appropinquata x paniculata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x rotae</i>
<i>Carex aquatilis x acuta</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex aquatilis x bigelowii</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x limula</i>
<i>Carex aquatilis x nigra</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x hibernica</i>
<i>Carex atrata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex atrofusca</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex bigelowii x aquatilis</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x limula</i>
<i>Carex binervis x laevigata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x deserta</i>
<i>Carex buxbaumii</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex capillaris</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex chordorrhiza</i>	Least Concern	Rare	-	Yes	100	-
<i>Carex curta x echinata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x biharica</i>
<i>Carex curta x lachenalii</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x helvola</i>
<i>Carex curta x paniculata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x ludibunda</i>
<i>Carex davalliana</i>	Extinct	Rare	-	Yes	100	Inexplicably omitted from Red List
<i>Carex depauperata</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Carex diandra</i>	Near Threatened	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Carex diandra x paniculata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x beckmannii</i>
<i>Carex digitata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex dioica x echinata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x gaudiniana</i>
<i>Carex divisa</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Carex echinata x curta</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x biharica</i>



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Carex echinata x dioica</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x gaudiniana</i>
<i>Carex elata x acuta</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x prolixa</i>
<i>Carex elongata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex ericetorum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Carex filiformis</i>	Least Concern	Rare	-	Yes	100	current name: same as <i>C. tomentosa</i>
<i>Carex flava</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex flava x viridula</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x alsatica</i>
<i>Carex humilis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex incurva</i>	Endangered	Scarce	-	Yes	50	synonym for <i>C. maritima</i>
<i>Carex lachenalii</i>	Near Threatened	Rare	-	Yes	100	-
<i>Carex lachenalii x curta</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x helvola</i>
<i>Carex laevigata x binervis</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x deserta</i>
<i>Carex lasiocarpa x riparia</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x evoluta</i>
<i>Carex magellanica</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>C. paupercula</i>
<i>Carex maritima</i>	Endangered	Scarce	-	Yes	50	current name: same as <i>C. incurva</i>
<i>Carex microglochin</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex montana</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex muricata</i> subsp. <i>muricata</i>	Near Threatened	Rare	-	Yes	100	-
<i>Carex nigra x aquatilis</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x hibernica</i>
<i>Carex norvegica</i>	Least Concern	Rare	-	Yes	100	-
<i>Carex ornithopoda</i>	Least Concern	Rare	-	Yes	100	-
<i>Carex paniculata x appropinquata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x rotae</i>
<i>Carex paniculata x curta</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x ludibunda</i>
<i>Carex paniculata x diandra</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x beckmannii</i>
<i>Carex paupercula</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>C. magellanica</i>
<i>Carex pseudocyperus x rostrata</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x justi-schmidtii</i>
<i>Carex punctata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex rariflora</i>	Least Concern	Rare	-	Yes	100	-
<i>Carex recta</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex riparia x acutiformis</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x sooi</i>
<i>Carex riparia x lasiocarpa</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x evoluta</i>
<i>Carex riparia x rostrata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex riparia x vesicaria</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x csomadensis</i>
<i>Carex rostrata x pseudocyperus</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x justi-schmidtii</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Carex rostrata x riparia</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex rupestris</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex salina</i>	Data Deficient	Rare	-	Yes	100	Recently discovered taxon: not in Stace or New Atlas
<i>Carex saxatilis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex saxatilis x vesicaria</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x grahamii</i>
<i>Carex tomentosa</i>	Least Concern	Rare	-	Yes	100	synonym for <i>C. filiformis</i>
<i>Carex trinervis</i>	Extinct	Rare	-	Yes	100	Inexplicably omitted from Red List
<i>Carex vaginata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Carex vesicaria x acutiformis</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x ducellieri</i>
<i>Carex vesicaria x riparia</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x csomadensis</i>
<i>Carex vesicaria x saxatilis</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x grahamii</i>
<i>Carex viridula x flava</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. x alsatica</i>
<i>Carex vulpina</i>	Vulnerable	Rare	-	Yes	100	-
<i>Carex x alsatica</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. flava x viridula</i>
<i>Carex x beckmannii</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. paniculata x diandra</i>
<i>Carex x biharica</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. echinata x curta</i>
<i>Carex x csomadensis</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. riparia x vesicaria</i>
<i>Carex x deserta</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. laevigata x binervis</i>
<i>Carex x ducellieri</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. acutiformis x vesicaria</i>
<i>Carex x evoluta</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. lasiocarpa x riparia</i>
<i>Carex x gaudiniana</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. echinata x dioica</i>
<i>Carex x grahamii</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. vesicaria x saxatilis</i>
<i>Carex x helvola</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. lachenalii x curta</i>
<i>Carex x hibernica</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. aquatilis x nigra</i>
<i>Carex x justi-schmidtii</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. pseudocyperus x rostrata</i>
<i>Carex x limula</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. aquatilis x bigelowii</i>
<i>Carex x ludibunda</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. paniculata x curta</i>
<i>Carex x prolixa</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. acuta x elata</i>
<i>Carex x rotae</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. paniculata x appropinquata</i>
<i>Carex x sooi</i>	Vulnerable	Rare	-	Yes	100	same as <i>C. acutiformis x riparia</i>
<i>Carum carvi</i>	Endangered	Scarce	-	Yes	50	-
<i>Caucalis platycarpus</i>	Extinct	Rare	-	Yes	100	-
<i>Centaurea calcitrapa</i>	Critically Endangered	Rare	-	Yes	100	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Centaurea cyanus</i>	Least Concern	Formerly RDB	-	No	-	a frequent constituent of wild flower seed mixtures and now recorded from >100 10-km squares; real problems separating 'native/archaeophytic' occurrences from recent introductions - if the former is suspected, please consult specialist
<i>Centaurium capitatum</i>	Not Assessed	Formerly scarce	-	No	-	taxonomic issues: now included within <i>C. erythraea</i>
<i>Centaurium latifolium</i>	Not Assessed	Formerly RDB	-	No	-	extinct (?) plus taxonomic issues: now presumed to be included within <i>C. erythraea</i>
<i>Centaurium littorale</i>	Least Concern	Scarce	-	Yes	50	-
<i>Centaurium portense</i>	Endangered	Rare	-	Yes	100	synonym for <i>C. scilloides</i>
<i>Centaurium scilloides</i>	Endangered	Rare	-	Yes	100	current name: same as <i>C. portense</i>
<i>Centaurium tenuiflorum</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Cephalanthera damasonium</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Cephalanthera longifolia</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Cephalanthera rubra</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Cerastium alpinum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Cerastium arcticum</i>	Near Threatened	Scarce	-	Yes	50	current name: same as <i>C. nigrescens</i> subsp <i>arcticum</i>
<i>Cerastium arcticum</i> subsp. <i>edmondstonii</i>	Endangered	Rare	-	Yes	100	synonym for <i>C. nigrescens</i>
<i>Cerastium brachypetalum</i>	Neophyte	Rare	-	Yes	100	consult specialist: only include if SSSI originally notified for this species
<i>Cerastium cerastoides</i>	Least Concern	Scarce	-	Yes	50	-
<i>Cerastium edmondstonii</i>	Endangered	Rare	-	Yes	100	synonym for <i>C. nigrescens</i>
<i>Cerastium fontanum</i> subsp. <i>scoticum</i>	Vulnerable	Rare	-	Yes	100	-
<i>Cerastium nigrescens</i>	Endangered	Rare	-	Yes	100	current name: same as <i>C. arcticum</i> subsp <i>edmondstonii</i> & <i>C. edmondstonii</i>
<i>Cerastium nigrescens</i> subsp. <i>arcticum</i>	Near Threatened	Scarce	-	Yes	50	synonym for <i>C. arcticum</i>
<i>Cerastium pumilum</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Ceratophyllum submersum</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Chamaemelum nobile</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Chenopodium bonus-henricus</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Chenopodium botryodes</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>C. chenopodioides</i>
<i>Chenopodium chenopodioides</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>C. botryodes</i>
<i>Chenopodium glaucum</i>	Vulnerable	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Chenopodium murale</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Chenopodium urbicum</i>	Critically Endangered	Rare	-	Yes	100	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Chenopodium vulvaria</i>	Endangered	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Cherleria sedoides</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>Minuartia sedoides</i>
<i>Chrysanthemum segetum</i>	Vulnerable	Not rare/scarce	-	[No]	-	currently accepted name, but given as <i>Xanthophthalmum segetum</i> in Sell & Murrell (2006)
<i>Cicendia filiformis</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Cicerbita alpina</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Cicuta virosa</i>	Least Concern	Scarce	-	Yes	50	-
<i>Circaea alpina</i>	Least Concern	Scarce	-	Yes	50	-
<i>Cirsium tuberosum</i>	Near Threatened	Rare	-	Yes	100	-
<i>Clinopodium acinos</i>	Vulnerable	Not rare/scarce	-	[No]	-	current name: same as <i>Acinos arvensis</i>
<i>Clinopodium calamintha</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>Calamintha nepeta</i>
<i>Clinopodium menthifolium</i>	Critically Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>Calamintha menthifolia</i> & <i>C. sylvatica</i> ; added to Sch. 8 in 1981
<i>Cochlearia atlantica</i>	Waiting List	Formerly RDB	-	No	-	listed as Data Deficient in RDB 1999, but taxonomic doubts led to it being on Waiting List in Red List 2005. Consider including if part of reason for notification, otherwise consult specialist
<i>Cochlearia micacea</i>	Waiting List	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Cochlearia micacea</i> subsp. <i>alpina</i>	Waiting List	Scarce	-	Yes	50	-
<i>Cochlearia micacea</i> subsp. <i>micacea</i>	Waiting List	Scarce	-	Yes	50	-
<i>Cochlearia officinalis</i> subsp. <i>scotica</i>	Waiting List	Not rare/scarce	-	No	-	Taxonomic uncertainties. Recorded in < 100 10-km squares but badly under-recorded, probably far more frequent than suggested by Atlas and <i>Scarce Plants in Britain</i> , so assessed here as probably not scarce
<i>Cochlearia pyrenaica</i> subsp. <i>alpina</i>	Waiting List	Scarce	-	Yes	50	-
<i>Cochlearia pyrenaica</i> subsp. <i>pyrenaica</i>	Waiting List	Scarce	-	Yes	50	-
<i>Cochlearia scotica</i>	Waiting List	Not rare/scarce	-	No	-	same as <i>C. officinalis</i> subsp. <i>scotica</i> . Taxonomic uncertainties. Recorded in < 100 10-km squares but badly under-recorded, probably far more frequent than suggested by Atlas and <i>Scarce Plants in Britain</i> , so assessed here as probably not scarce
<i>Coeloglossum viride</i>	Vulnerable	Not rare/scarce	-	[No]	-	synonym for <i>Dactylorhiza viridis</i>
<i>Coincya monensis</i>	Least Concern	Scarce	-	Yes	50	native subsp only (subsp. <i>monensis</i> ); same as <i>Rhynchosinapis monensis</i>
<i>Coincya monensis</i> subsp. <i>monensis</i>	Least Concern	Scarce	-	Yes	50	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Coincya wrightii</i>	Vulnerable	Rare	Sch. 8	Yes	200	current name: same as <i>Rhynchosinapis wrightii</i> ; added to Sch. 8 in 1988
<i>Colchicum autumnale</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Corallorhiza trifida</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Cornus suecica</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Corrigiola litoralis</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Corynephorus canescens</i>	Near Threatened	Rare	-	Yes	100	-
<i>Cotoneaster cambricus</i>	Critically Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>C. integerrimus</i> ; added to Sch. 8 in 1981
<i>Cotoneaster integerrimus</i>	Critically Endangered	Rare	Sch. 8	Yes	200	synonym for <i>C. cambricus</i> ; added to Sch. 8 in 1981
<i>Crambe maritima</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Crassula aquatica</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Crassula tillaea</i>	Least Concern	Scarce	-	Yes	50	-
<i>Crepis foetida</i>	Extinct in the Wild	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Crepis mollis</i>	Endangered	Rare	-	Yes	100	-
<i>Crepis praemorsa</i>	Endangered	Rare	-	Yes	100	-
<i>Crinitaria linosyris</i>	Least Concern	Rare	-	Yes	100	synonym for <i>Aster linosyris</i>
<i>Crocus purpureus</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Cuscuta epithymum</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Cuscuta europaea</i>	Least Concern	Scarce	-	Yes	50	-
<i>Cyclamen hederifolium</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Cynodon dactylon</i>	Waiting List	Rare	-	Yes	100	Include in assemblage only if agreed with specialist
<i>Cynoglossum germanicum</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Cynoglossum officinale</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Cyperus fuscus</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Cyperus longus</i>	Near Threatened	Scarce	-	Yes	50	include only if native: if in doubt consult specialist
<i>Cyripedium calceolus</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981; also listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1
<i>Cystopteris alpina</i>	Extinct	Rare	-	Yes	100	-
<i>Cystopteris diaphana</i>	Vulnerable	Rare	-	Yes	100	-
<i>Cystopteris dickieana</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Cystopteris montana</i>	Least Concern	Rare	-	Yes	100	-
<i>Cytisus scoparius</i> subsp. <i>maritimus</i>	Near Threatened	Rare	-	Yes	100	-
<i>Dactylorhiza comosa</i> subsp. <i>scotica</i>	Vulnerable	Rare	-	Yes	100	synonym for <i>D. ebudensis</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Dactylorhiza ebudensis</i>	Vulnerable	Rare	-	Yes	100	current name: same as <i>D. majalis</i> subsp <i>scotica</i> , <i>D. comosa</i> subsp <i>scotica</i> , <i>D. majalis</i> subsp <i>occidentalis</i> var <i>ebudensis</i>
<i>Dactylorhiza fuchsii</i> subsp. <i>hebridensis</i>	Waiting List	Rare	-	Yes	100	current name: same as <i>D. fuchsii</i> var <i>hebridensis</i>
<i>Dactylorhiza fuchsii</i> var. <i>hebridensis</i>	Waiting List	Rare	-	Yes	100	former name: now recognised as a subsp rather than var
<i>Dactylorhiza incarnata</i> subsp. <i>coccinea</i>	Waiting List	Scarce	-	Yes	50	-
<i>Dactylorhiza incarnata</i> subsp. <i>cruenta</i>	Data Deficient	Rare	-	Yes	100	-
<i>Dactylorhiza incarnata</i> subsp. <i>ochroleuca</i>	Data Deficient	Rare	-	Yes	100	-
<i>Dactylorhiza lapponica</i>	-	-	Sch. 8	Yes	200	added to Sch. 8 in 1992; now included within <i>D. traunsteineroides</i> (Least Concern, Scarce): consult specialist over scoring!
<i>Dactylorhiza maculata</i> subsp. <i>rhoumensis</i>	Waiting List	Rare	-	Yes	100	-
<i>Dactylorhiza majalis</i> subsp. <i>cambrensis</i>	Data Deficient	Rare	-	Yes	100	-
<i>Dactylorhiza majalis</i> subsp. <i>occidentalis</i>	Data Deficient	Rare	-	Yes	100	synonym for <i>D. occidentalis</i>
<i>Dactylorhiza majalis</i> subsp. <i>occidentalis</i> var. <i>ebudensis</i>	Vulnerable	Rare	-	Yes	100	synonym for <i>D. ebudensis</i> : now recognised as a full species
<i>Dactylorhiza majalis</i> subsp. <i>scotica</i>	Vulnerable	Rare	-	Yes	100	synonym for <i>D. ebudensis</i>
<i>Dactylorhiza occidentalis</i>	Data Deficient	Rare	-	Yes	100	synonym for <i>D. majalis</i> subsp <i>occidentalis</i> (except the var <i>ebudensis</i> which is now <i>D. ebudensis</i> )
<i>Dactylorhiza purpurella</i> subsp. <i>cambrensis</i>	Data Deficient	Rare	-	Yes	100	-
<i>Dactylorhiza traunsteineri</i>	Least Concern	Scarce	-	Yes	50	included within <i>D. traunsteinerioides</i>
<i>Dactylorhiza traunsteineri</i> subsp. <i>lapponica</i>	-	-	Sch. 8	Yes	200	same as <i>D. lapponica</i> , added to Sch. 8 in 1992 and now included within <i>D. traunsteinerioides</i> (Least Concern, Scarce): consult specialist over scoring!
<i>Dactylorhiza traunsteinerioides</i>	Least Concern	Scarce	-	Yes	50	current name: includes plants formerly assigned to <i>D. traunsteineri</i> , <i>D. lapponica</i> or <i>D. traunsteineri</i> subsp <i>lapponica</i>
<i>Dactylorhiza viridis</i>	Vulnerable	Not rare/scarce	-	[No]	-	current name: same as <i>Coeloglossum viride</i>
<i>Damasonium alisma</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Daphne mezereum</i>	Vulnerable	Scarce	-	Yes	50	include only if native: if in doubt consult specialist
<i>Daucus carota</i> subsp. <i>gummifer</i>	Least Concern	Scarce	-	Yes	50	-
<i>Dentaria bulbifera</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>Cardamine bulbifera</i>
<i>Deschampsia alpina</i>	Data Deficient	Scarce	-	Yes	50	synonym for <i>D. cespitosa</i> subsp <i>alpina</i>
<i>Deschampsia cespitosa</i> subsp. <i>alpina</i>	Data Deficient	Scarce	-	Yes	50	current name: same as <i>D. alpina</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Deschampsia setacea</i>	Least Concern	Scarce	-	Yes	50	listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so there may be sites notified for this species in its own right
<i>Dianthus armeria</i>	Endangered	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1998 (England and Wales only)
<i>Dianthus deltoides</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Dianthus gratianopolitanus</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981. Include only if native: long-established introduction sites, consult specialist
<i>Diapensia lapponica</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Diphasiastrum complanatum</i>	Near Threatened	Rare	-	Yes	100	current name: same as <i>D. issleri</i>
<i>Diphasiastrum complanatum</i> subsp. <i>issleri</i>	Near Threatened	Rare	-	Yes	100	synonym for <i>D. issleri</i> , which is, itself, a synonym for <i>D. complanatum</i>
<i>Diphasiastrum issleri</i>	Near Threatened	Rare	-	Yes	100	synonym for <i>D. complanatum</i>
<i>Draba aizoides</i>	Near Threatened	Rare	-	Yes	100	-
<i>Draba incana</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Draba muralis</i>	Least Concern	Scarce	-	Yes	50	include only if native: if in doubt consult specialist
<i>Draba norvegica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Drosera anglica</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Drosera intermedia</i> x <i>rotundifolia</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. x belezeana</i>
<i>Drosera rotundifolia</i> x <i>intermedia</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. x belezeana</i>
<i>Drosera x belezeana</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. rotundifolia</i> x <i>intermedia</i>
<i>Dryas octopetala</i>	Least Concern	Scarce	-	Yes	50	-
<i>Dryopteris carthusiana</i> x <i>cristata</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. x uliginosa</i>
<i>Dryopteris carthusiana</i> x <i>dilatata</i>	Not Assessed	Formerly scarce	-	No	-	Included in 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Dryopteris carthusiana</i> x <i>expansa</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. x sarvelae</i>
<i>Dryopteris cristata</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Dryopteris cristata</i> x <i>carthusiana</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. x uliginosa</i>
<i>Dryopteris expansa</i> x <i>carthusiana</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. x sarvelae</i>
<i>Dryopteris filix-mas</i> x <i>affinis</i>	Not Assessed	Formerly scarce	-	No	-	Included in 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Dryopteris submontana</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>D. villarii</i> / <i>D. villarii</i> subsp <i>submontana</i>
<i>Dryopteris villarii</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>D. submontana</i>
<i>Dryopteris villarii</i> subsp. <i>submontana</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>D. submontana</i>



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Dryopteris x deweveri</i>	Not Assessed	Formerly scarce	-	No	-	Included in 1983 and 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Dryopteris x sarvelae</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. carthusiana x expansa</i>
<i>Dryopteris x tavelii</i>	Not Assessed	Formerly scarce	-	No	-	Included in 1983 and 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Dryopteris x uliginosa</i>	Vulnerable	Rare	-	Yes	100	same as <i>D. cristata x carthusiana</i>
<i>Echium plantagineum</i>	Neophyte	Rare	-	Yes	100	consult specialist before including as part of assemblage
<i>Elatine hexandra</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Elatine hydropiper</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Eleocharis acicularis</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Eleocharis austriaca</i>	Least Concern	Rare	-	Yes	100	-
<i>Eleocharis palustris</i> subsp. <i>palustris</i>	Data Deficient	Rare	-	Yes	100	-
<i>Eleocharis parvula</i>	Least Concern	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1998
<i>Elytrigia repens</i> subsp. <i>arenosa</i>	Least Concern	Scarce	-	Yes	50	-
<i>Epilobium alsinifolium</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Epilobium lamyi</i>	Least Concern	Formerly scarce	-	No	-	taxonomically indistinct: now included within <i>E. tetragonum</i> and, as such, in >100 10-km squares
<i>Epipactis atrorubens</i>	Least Concern	Scarce	-	Yes	50	-
<i>Epipactis cambrensis</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>E. phyllanthes</i>
<i>Epipactis dunensis</i>	Data Deficient	Rare	-	Yes	100	formerly included within <i>E. leptochila</i> as <i>E. leptochila</i> var <i>dunensis</i>
<i>Epipactis leptochila</i>	Data Deficient	Scarce	-	Yes	50	current name: same as <i>E. muelleri</i> var <i>leptochila</i> and <i>E. viridiflora</i> var <i>leptochila</i>
<i>Epipactis muelleri</i> var. <i>leptochila</i>	Data Deficient	Scarce	-	Yes	50	synonym for <i>E. leptochila</i> : now recognised as a full species
<i>Epipactis peitzii</i> var. <i>sancta</i>	Endangered	Rare	-	Yes	100	Alternative name for <i>E. sancta</i> : now recognised as a full species
<i>Epipactis pendula</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>E. phyllanthes</i>
<i>Epipactis phyllanthes</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>E. vectensis</i> , <i>E. pendula</i> , <i>E. cambrensis</i>
<i>Epipactis sancta</i>	Endangered	Rare	-	Yes	100	Recently described taxon: not in Stace or New Atlas
<i>Epipactis vectensis</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>E. phyllanthes</i>
<i>Epipactis viridiflora</i> var <i>leptochila</i>	Data Deficient	Scarce	-	Yes	50	synonym for <i>E. leptochila</i> : now recognised as a full species



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Epipactis youngiana</i>	Not Assessed	Not Assessed	Sch. 8	Yes	200	Taxonomically suspect; added to Sch. 8 in 1988
<i>Epipogium aphyllum</i>	Extinct	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Equisetum arvense x fluviatile</i>	Not Assessed	Not Assessed	-	No	-	same as <i>E. x litorale</i> ; included in 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Equisetum arvense x telmateia</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. x robertsii</i>
<i>Equisetum fluviatile x arvense</i>	Not Assessed	Not Assessed	-	No	-	same as <i>E. x litorale</i> ; included in 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Equisetum fluviatile x telmateia</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. x willmotii</i>
<i>Equisetum pratense</i>	Least Concern	Scarce	-	Yes	50	-
<i>Equisetum ramosissimum</i>	Neophyte	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Equisetum sylvaticum x telmateia</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. x bowmanii</i>
<i>Equisetum telmateia x arvense</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. x robertsii</i>
<i>Equisetum telmateia x fluviatile</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. x willmotii</i>
<i>Equisetum telmateia x sylvaticum</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. x bowmanii</i>
<i>Equisetum variegatum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Equisetum x bowmanii</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. sylvaticum x telmateia</i>
<i>Equisetum x litorale</i>	Not Assessed	Not Assessed	-	No	-	same as <i>E. fluviatile x arvense</i> ; included in 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Equisetum x robertsii</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. arvense x telmateia</i>
<i>Equisetum x willmotii</i>	Vulnerable	Rare	-	Yes	100	same as <i>E. fluviatile x telmateia</i>
<i>Erica ciliaris</i>	Least Concern	Rare	-	Yes	100	include within native range; elsewhere, consult specialist
<i>Erica vagans</i>	Least Concern	Rare	-	Yes	100	Cornwall only; elsewhere not native
<i>Erigeron borealis</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Eriocaulon aquaticum</i>	Least Concern	Rare	-	Yes	100	current name: same as <i>E. septangulare</i>
<i>Eriocaulon septangulare</i>	Least Concern	Rare	-	Yes	100	synonym for <i>E. aquaticum</i>
<i>Eriophorum gracile</i>	Near Threatened	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Eriophorum latifolium</i>	Least Concern	Not rare/scarce	-	No	-	listed in 1989 guidelines under criterion 3.6 as example of a declining species for which SSSIs holding "particularly large populations" could be notified - if SSSI was notified for this species in its own right, it should be included under CSM
<i>Erodium glutinosum</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>E. lebelii</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Erodium lebelii</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>E. glutinosum</i>
<i>Erodium maritimum</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Erodium moschatum</i>	Least Concern	Formerly scarce	-	No	-	no longer regarded as native in SW England, and recorded as alien from >100 10-km squares
<i>Eryngium campestre</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981. Include if long-established; other sites, consult specialist
<i>Euphorbia exigua</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Euphorbia hyberna</i>	Vulnerable	Rare	-	Yes	100	-
<i>Euphorbia paralias</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Euphorbia peplis</i>	Extinct	Rare	-	Yes	100	added to Sch. 8 in 1981, removed 1992
<i>Euphorbia pilosa</i>	Waiting List	Rare	-	Yes	100	synonym for <i>E. villosa</i> ; extinct in GB
<i>Euphorbia platyphyllos</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Euphorbia portlandica</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Euphorbia serrulata</i>	Least Concern	Rare	-	Yes	100	current name: same as <i>E. stricta</i>
<i>Euphorbia stricta</i>	Least Concern	Rare	-	Yes	100	synonym for <i>E. serrulata</i>
<i>Euphorbia villosa</i>	Waiting List	Rare	-	Yes	100	Extinct, status uncertain; more research required
<i>Euphrasia anglica</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Euphrasia arctica</i> subsp. <i>arctica</i>	Data Deficient	Rare	-	Yes	100	-
<i>Euphrasia arctica</i> subsp. <i>arctica</i>	Data Deficient	Rare	-	Yes	100	Probably restricted to Shetland and Orkney; may be 'scarce' rather than 'rare' as possibly under-recorded
<i>Euphrasia arctica</i> subsp. <i>borealis</i>	Data Deficient	Formerly scarce	-	[No]	-	current name: same as <i>E. borealis</i> ; now recorded from >100 10-km squares
<i>Euphrasia borealis</i>	Data Deficient	Formerly scarce	-	[No]	-	synonym for <i>E. arctica</i> subsp <i>borealis</i> ; now recorded from >100 10-km squares
<i>Euphrasia cambrica</i>	Vulnerable	Rare	-	Yes	100	-
<i>Euphrasia campbelliae</i>	Data Deficient	Rare	-	Yes	100	-
<i>Euphrasia confusa</i>	Data Deficient	Not rare/scarce	-	[No]	-	-
<i>Euphrasia curta</i>	Data Deficient	Rare	-	Yes	100	synonym for <i>E. ostenfeldii</i>
<i>Euphrasia eurycarpa</i>	Data Deficient	Rare	-	Yes	100	synonym for <i>E. ostenfeldii</i> ?
<i>Euphrasia foulaensis</i>	Data Deficient	Scarce	-	Yes	50	-
<i>Euphrasia frigida</i>	Data Deficient	Scarce	-	Yes	50	-
<i>Euphrasia heslop-harrisonii</i>	Least Concern	Rare	-	Yes	100	-
<i>Euphrasia marshallii</i>	Endangered	Rare	-	Yes	100	-
<i>Euphrasia micrantha</i>	Data Deficient	Not rare/scarce	-	[No]	-	-
<i>Euphrasia montana</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>E. rostkoviana</i> subsp <i>montana</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Euphrasia ostenfeldii</i>	Data Deficient	Rare	-	Yes	100	current name: same as <i>E. curta</i> & <i>E. eurycarpa</i> ?
<i>Euphrasia pseudokernerii</i>	Endangered	Scarce	-	Yes	50	-
<i>Euphrasia rhumica</i>	Not Assessed	Formerly RDB	-	No	-	taxonomic issues: possibly falls within <i>E. micrantha</i>
<i>Euphrasia rivularis</i>	Vulnerable	Rare	-	Yes	100	-
<i>Euphrasia rostkoviana</i>	Vulnerable	Scarce	-	Yes	50	includes both subspp.
<i>Euphrasia rostkoviana</i> subsp. <i>montana</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>E. montana</i>
<i>Euphrasia rostkoviana</i> subsp. <i>rostkoviana</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Euphrasia rotundifolia</i>	Endangered	Rare	-	Yes	100	-
<i>Euphrasia tetraquetra</i>	Data Deficient	Not rare/scarce	-	[No]	-	-
<i>Euphrasia vigursii</i>	Endangered	Rare	-	Yes	100	-
<i>Fagopyrum esculentum</i>	Neophyte	Formerly scarce	-	No	-	not a native taxon, but listed as Scarce in 1983/89 guidelines
<i>Fallopia dumetorum</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>Polygonum dumetorum</i>
<i>Festuca altissima</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Festuca arenaria</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>F. juncifolia</i>
<i>Festuca arenaria</i> subsp. <i>arenaria</i>	Waiting List	Scarce	-	Yes	50	-
<i>Festuca arenaria</i> subsp. <i>oraria</i>	Waiting List	Scarce	-	Yes	50	-
<i>Festuca caesia</i>	Least Concern	Rare	-	Yes	100	synonym for <i>F. longifolia</i>
<i>Festuca glauca</i>	Least Concern	Rare	-	Yes	100	partial synonym for <i>F. longifolia</i> : include if applying to that taxon
<i>Festuca glauca</i> var. <i>caesia</i>	Least Concern	Rare	-	Yes	100	synonym for <i>F. longifolia</i>
<i>Festuca heterophylla</i>	Neophyte	Formerly scarce	-	No	-	not a native taxon, but listed as Scarce in 1983/89 guidelines
<i>Festuca juncifolia</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>F. arenaria</i>
<i>Festuca lemanii</i>	Least Concern	Rare	-	Yes	100	-
<i>Festuca longifolia</i>	Least Concern	Rare	-	Yes	100	current name: includes <i>F. glauca</i> & <i>F. caesia</i>
<i>Festuca rubra</i> subsp. <i>arctica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Festuca rubra</i> subsp. <i>litoralis</i>	Least Concern	Not rare/scarce	-	No	-	in <100 10-km squares but badly under-recorded; probably far more frequent than suggested by Atlas and therefore assessed as 'not scarce' in most recent national lists
<i>Festuca rubra</i> subsp. <i>scotica</i>	Data Deficient	Rare	-	Yes	100	-
<i>Filago apiculata</i>	Endangered	Rare	Sch. 8	Yes	200	synonym for <i>F. lutescens</i> ; added to Sch. 8 in 1988
<i>Filago gallica</i>	Extinct in the Wild	Rare	-	Yes	100	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Filago lutescens</i>	Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>F. apiculata</i> ; added to Sch. 8 in 1988
<i>Filago pyramidata</i>	Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>F. spathulata</i> ; added to Sch. 8 in 1992
<i>Filago spathulata</i>	Endangered	Rare	Sch. 8	Yes	200	synonym for <i>F. pyramidata</i> ; added to Sch. 8 in 1992
<i>Filago vulgaris</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Frankenia laevis</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Fritillaria meleagris</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Fumaria bastardii</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Fumaria capreolata</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Fumaria capreolata</i> subsp. <i>babingtonii</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Fumaria densiflora</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Fumaria martinii</i>	Waiting List	Rare	Sch. 8	Yes	200	synonym for <i>F. reuteri</i> ; added to Sch. 8 in 1988
<i>Fumaria micrantha</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Fumaria muralis</i> subsp. <i>neglecta</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Fumaria occidentalis</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Fumaria parviflora</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Fumaria purpurea</i>	Least Concern	Scarce	-	Yes	50	-
<i>Fumaria reuteri</i>	Waiting List	Rare	Sch. 8	Yes	200	current name: same as <i>F. martinii</i> ; added to Sch. 8 in 1988
<i>Fumaria vaillantii</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Gagea bohémica</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Gagea lutea</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Galeopsis angustifolia</i>	Critically Endangered	Scarce	-	Yes	50	-
<i>Galeopsis segetum</i>	Extinct	Rare	-	Yes	100	-
<i>Galeopsis speciosa</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Galium constrictum</i>	Least Concern	Rare	-	Yes	100	current name: same as <i>G. debile</i>
<i>Galium debile</i>	Least Concern	Rare	-	Yes	100	synonym for <i>G. constrictum</i>
<i>Galium fleurotii</i>	Data Deficient	Rare	-	Yes	100	Included within <i>G. pumilum</i> (subsp. <i>fleurotii</i> in Sell & Murrell (2006)); species as a whole is 'Endangered', but threat status of <i>G. fleurotii</i> unclear so currently categorised as 'Data Deficient'
<i>Galium parisiense</i>	Vulnerable	Scarce	-	Yes	50	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Galium pumilum</i>	Endangered	Rare	-	Yes	100	Includes 2 subspp (Sell & Murrell 2006), one of which is synonymous with <i>G. fleurotii</i> ; species as a whole (and subsp <i>pumilum</i> ) is 'Endangered', but threat status of subsp <i>fleurotii</i> unclear so currently categorised as 'Data Deficient'
<i>Galium pumilum</i> subsp. <i>fleurotii</i>	Data Deficient	Rare	-	Yes	100	current name (Sell & Murrell 2006): same as <i>G. fleurotii</i> . Threat status unclear so currently categorised as 'Data Deficient'
<i>Galium pumilum</i> subsp. <i>pumilum</i>	Endangered	Rare	-	Yes	100	synonymous with <i>G. pumilum</i> (minus <i>G. fleurotii/pumilum</i> subsp. <i>fleurotii</i> )
<i>Galium spurium</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Galium sternerii</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Galium tricornutum</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Gastroidium ventricosum</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Gaudinia fragilis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Genista anglica</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Genista pilosa</i>	Near Threatened	Rare	-	Yes	100	-
<i>Genista tinctoria</i> subsp. <i>littoralis</i>	Least Concern	Rare	-	Yes	100	-
<i>Gentiana nivalis</i>	Near Threatened	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Gentiana pneumonanthe</i>	Least Concern	Scarce	-	Yes	50	-
<i>Gentiana verna</i>	Least Concern	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Gentianella amarella</i> subsp. <i>septentrionalis</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Gentianella anglica</i>	Waiting List	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1992; also listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1. Taxonomic doubts remain, which is why this species appeared on 'Waiting List' in the 2005 Red List
<i>Gentianella campestris</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Gentianella ciliata</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Gentianella germanica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Gentianella uliginosa</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Geranium purpureum</i>	Least Concern	Scarce	-	Yes	50	includes subspp <i>forsteri</i> & <i>purpureum</i>
<i>Geranium purpureum</i> subsp. <i>forsteri</i>	Waiting List	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Geranium purpureum</i> subsp. <i>purpureum</i>	Waiting List	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Geranium rotundifolium</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Gladiolus illyricus</i>	Least Concern	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Gladiolus illyricus</i> subsp. <i>britannicus</i>	Waiting List	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Gnaphalium luteoalbum</i>	Neophyte	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Gnaphalium norvegicum</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Gnaphalium supinum</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Gnaphalium sylvaticum</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Goodyera repens</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Groenlandia densa</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Gymnadenia albida</i>	Vulnerable	Not rare/scarce	-	[No]	-	synonym for <i>Pseudorchis albida</i>
<i>Gymnadenia borealis</i>	Least Concern	Not rare/scarce	-	No	-	current name: same as <i>G. conopsea</i> subsp. <i>borealis</i> . In <100 10-km squares but badly under-recorded; probably far more frequent than suggested by Atlas and therefore assessed as 'not scarce' in most recent national lists
<i>Gymnadenia conopsea</i> subsp. <i>borealis</i>	Least Concern	Not rare/scarce	-	No	-	synonym for <i>G. borealis</i> . In <100 10-km squares but badly under-recorded; probably far more frequent than suggested by Atlas and therefore assessed as 'not scarce' in most recent national lists
<i>Gymnadenia conopsea</i> subsp. <i>densiflora</i>	Data Deficient	Not rare/scarce	-	[No]	-	synonym for <i>G. densiflora</i> . In <100 10-km squares but badly under-recorded; likely to be more frequent than suggested by Atlas and therefore assessed here as 'not scarce'
<i>Gymnadenia densiflora</i>	Data Deficient	Not rare/scarce	-	[No]	-	current name: same as <i>G. conopsea</i> subsp. <i>densiflora</i> . In <100 10-km squares but badly under-recorded; likely to be more frequent than suggested by Atlas and therefore assessed here as 'not scarce'
<i>Gymnocarpium robertianum</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>Thelypteris robertiana</i>
<i>Halimione pedunculata</i>	Critically Endangered	Rare	Sch. 8	Yes	200	synonym for <i>Atriplex pedunculata</i> ; added to Sch. 8 in 1988
<i>Hammarbya paludosa</i>	Least Concern	Formerly scarce	-	No	-	current name: same as <i>Malaxis paludosa</i> . Now recorded from >100 10-km squares; this taxon listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so there may be sites notified for this species in its own right
<i>Helianthemum apenninum</i>	Vulnerable	Rare	-	Yes	100	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Helianthemum canum</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>H. oelandicum</i> ; includes 2 subspecies, subspp <i>incanum</i> (Scarce) and <i>levigatum</i> (Rare)
<i>Helianthemum canum</i> subsp. <i>canum</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>H. oelandicum</i> subsp <i>incanum</i>
<i>Helianthemum canum</i> subsp. <i>levigatum</i>	Vulnerable	Rare	-	Yes	100	synonym for <i>H. oelandicum</i> subsp <i>levigatum</i>
<i>Helianthemum oelandicum</i> subsp. <i>incanum</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>H. canum</i> subsp <i>canum</i>
<i>Helianthemum oelandicum</i> subsp. <i>levigatum</i>	Vulnerable	Rare	-	Yes	100	current name: same as <i>H. canum</i> subsp <i>levigatum</i>
<i>Helleborus foetidus</i>	Least Concern	Scarce	-	Yes	50	include only if native: if in doubt, consult specialist
<i>Heracleum sphondylium</i> subsp. <i>flavescens</i>	Waiting List	Rare	-	Yes	100	uncertain status, but possibly native in E. Norfolk: check with specialist before including
<i>Herminium monorchis</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Herniaria ciliolata</i>	Vulnerable	Rare	-	Yes	100	same as subsp <i>ciliolata</i>
<i>Herniaria ciliolata</i> subsp. <i>ciliolata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Herniaria glabra</i>	Least Concern	Rare	-	Yes	50	-
<i>Hieracium acampum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium alpinum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium ampliatum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium angustatum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium asteridiophyllum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium attenuatifolium</i>	Not Assessed	Not Assessed	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Hieracium auratiflorum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium austalius</i>	Not Assessed	Not Assessed	-	No		<i>Hieracium</i> section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium backhousei</i>	Endangered	Rare	-	Yes	100	-
<i>Hieracium bakerianum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium breve</i>	Not Assessed	Not Assessed	-	No		<i>Hieracium</i> section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium cacuminum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium caesiomurorum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium caesionigrescens</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium calcaricola</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium caledonicum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium callistophyllum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium calvum</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Hieracium cambricogothicum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium cambricum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium candelabrae</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium cantianum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium carpathicum</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium chloranthum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium chrysolorum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium cillense</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium cinderella</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium cravoniense</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium cymbifolium</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium dasythrix</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium decolor</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium dewarii</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium diaphanoides</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium dicella</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium difficile</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium discophyllum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium dissimile</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium diversidens</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium dovrense</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium duriceps</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium eboracense</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium eustales</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium eximium</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium flocculosum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium fratrum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium fulvocaesium</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium gladuliceps</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium globosiflorum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines and listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium gracilifolium</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium graniticola</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Hieracium gratum</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium grovesii</i>	Endangered	Rare	-	Yes	100	-
<i>Hieracium hanburyi</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium hebridense</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium hethlandiae</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium holosericeum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium hypochaeroides</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium insigne</i>	Endangered	Rare	-	Yes	100	includes subspp <i>insigne</i> and <i>celsum</i> , both listed as 'rare' taxa in RDB 1999
<i>Hieracium iricum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium itunense</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium jovimontis</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium kennethii</i>	Endangered	Rare	-	Yes	100	-
<i>Hieracium langwellense</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium larigense</i>	Endangered	Rare	-	Yes	100	-
<i>Hieracium lasiophyllum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium latobrigorum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium leptodon</i>	Endangered	Rare	-	Yes	100	-
<i>Hieracium leyi</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium linguans</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium lingulatum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium lissolepium</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium longilobum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium macrocarpum</i>	Vulnerable	Rare	-	Yes	100	-
<i>Hieracium magniceps</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium marshallii</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium melanochloricephalum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium milesii</i>	Near Threatened	Rare	-	Yes	100	-
<i>Hieracium mirandum</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium mucronellum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium naviense</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium neocoracinum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium nidense</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium nitidum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium northroense</i>	Not Assessed	Not Assessed	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Hieracium notabile</i>	Endangered	Rare	-	Yes	100	-
<i>Hieracium oistophyllum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium optimum</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Hieracium orimeles</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium ornatilorum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pachyphylloides</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pauculidens</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pellucidum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium pensum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium perscitum</i>	Near Threatened	Rare	-	Yes	100	-
<i>Hieracium petrocharis</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pictorum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium piligerum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium placerophylloides</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pollinarium</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium praethulense</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium prenanthoides</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium probum</i>	Near Threatened	Rare	-	Yes	100	-
<i>Hieracium prolixum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pruinale</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pseudanglicum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pseudocurvatum</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Hieracium pseudoleyi</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium pseudopetiolatum</i>	Endangered	Rare	-	Yes	100	-
<i>Hieracium pugsleyi</i>	Not Assessed	Not Assessed	-	No	-	Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium radyrense</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium repandulare</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium reticulatum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium riddelsdellii</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium rigens</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium rubiginosum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium salticola</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium saxorum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium scabrisetum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium schmidtii</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium scoticum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium senescens</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium shoobredii</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium snowdoniense</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium solum</i>	Not Assessed	Not Assessed	-	No		Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium sommerfeltii</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium sparsifolium</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium spenceanum</i>	Not Assessed	Not Assessed	-	No		Hieracium section <i>Alpestris</i> ; listed as 'rare' in RDB 1999 - include if site originally notified for this taxon, if in doubt consult specialist
<i>Hieracium stenolepiforme</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium stenstroemii</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium strictiforme</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subamplifolium</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subgracilentipes</i>	Vulnerable	Rare	-	Yes	100	-
<i>Hieracium subhirtum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subintegrifolium</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subminutidens</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium submutabile</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subprasinfolium</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subrude</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hieracium substrigosum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subtenue</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium subumbellatiforme</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium surrejanum</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium tavense</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium tenuifrons</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium trichocaulon</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium uiginskyense</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium umbellatum</i> subsp. <i>bichlorophyllum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium vennicontium</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium westii</i>	Not Assessed	Not Assessed	-	No	-	listed as 'rare' in RDB 1999; include if site originally notified for this taxon, otherwise consult specialist
<i>Hieracium zetlandicum</i>	Not Assessed	Not Assessed	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Hierochloe odorata</i>	Least Concern	Rare	-	Yes	100	-
<i>Himantoglossum hircinum</i>	Near Threatened	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Hippophae rhamnoides</i>	Least Concern	Scarce	-	Yes	50	Include only if native
<i>Holoschoenus vulgaris</i>	Endangered	Rare	-	Yes	100	synonym for <i>Scirpoides holoschoenus</i>
<i>Holosteum umbellatum</i>	Extinct	Rare	-	Yes	100	Inexplicably omitted from Red List
<i>Homogyne alpina</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Hordelymus europaeus</i>	Least Concern	Scarce	-	Yes	50	-



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Hordeum marinum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Hornungia petraea</i>	Least Concern	Scarce	-	Yes	50	-
<i>Hydrilla verticillata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Hydrocharis morsus-ranae</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Hymenophyllum wilsonii</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Hyoscyamus niger</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Hypericum linariifolium</i>	Near Threatened	Rare	-	Yes	100	synonym for <i>H. linariifolium</i>
<i>Hypericum linariifolium</i>	Near Threatened	Rare	-	Yes	100	current name: same as <i>H. linariifolium</i>
<i>Hypericum maculatum</i> subsp. <i>maculatum</i>	Data Deficient	Rare	-	Yes	100	-
<i>Hypericum montanum</i>	Near Threatened	Formerly scarce	-	[No]	-	Listed in 1983 and 1989 guidelines as Scarce; now in > 100 10-km squares
<i>Hypericum undulatum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Hypochaeris glabra</i>	Vulnerable	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Hypochaeris maculata</i>	Near Threatened	Rare	-	Yes	100	-
<i>Hypochoeris glabra</i>	Vulnerable	Formerly scarce	-	[No]	-	old spelling: current name <i>Hypochaeris glabra</i> . Now recorded from >100 10-km squares
<i>Hypochoeris maculata</i>	Near Threatened	Rare	-	Yes	100	old spelling: current name <i>Hypochaeris maculata</i>
<i>Iberis amara</i>	Vulnerable	Scarce	-	Yes	50	include only if native (mainly Chilterns)
<i>Illecebrum verticillatum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Impatiens noli-tangere</i>	Least Concern	Scarce	-	Yes	50	include only if within native range
<i>Inula crithmoides</i>	Least Concern	Scarce	-	Yes	50	-
<i>Iris spuria</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Iris versicolor</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Isatis tinctoria</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Isoetes echinospora</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Isoetes histrix</i>	Vulnerable	Rare	-	Yes	100	-
<i>Juncus acutus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Juncus alpinoarticulatus</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>J. nodulosus</i> . Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Juncus balticus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Juncus biglumis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Juncus capitatus</i>	Vulnerable	Rare	-	Yes	100	-
<i>Juncus castaneus</i>	Vulnerable	Scarce	-	Yes	50	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Juncus compressus</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Juncus dudleyi</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Juncus filiformis</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Juncus mutabilis</i>	Endangered	Rare	-	Yes	100	synonym for <i>J. pygmaeus</i>
<i>Juncus nodulosus</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>J. alpinoarticulatus</i> . Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Juncus pygmaeus</i>	Endangered	Rare	-	Yes	100	current name: same as <i>J. mutabilis</i>
<i>Juncus subulatus</i>	Neophyte	Rare	-	Yes	100	consult specialist before including as part of assemblage
<i>Juncus tenuis</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Juniperus communis</i> subsp. <i>hemisphaerica</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Kobresia simpliciuscula</i>	Least Concern	Rare	-	Yes	100	-
<i>Koeleria vallesiana</i>	Vulnerable	Rare	-	Yes	100	-
<i>Koenigia islandica</i>	Least Concern	Rare	-	Yes	100	-
<i>Lactuca saligna</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Lamiastrum galeobdolon</i> subsp. <i>galeobdolon</i>	Vulnerable	Rare	-	Yes	100	-
<i>Lathyrus aphaca</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Lathyrus hirsutus</i>	Waiting List	Rare	-	Yes	100	-
<i>Lathyrus japonicus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Lathyrus palustris</i>	Near Threatened	Scarce	-	Yes	50	listed as 'scarce' (50 points) in 1989 guidelines, but as it occurred in 15 10-km squares it should have been listed as 'rare' (100 points) at that time
<i>Lavatera arborea</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Lavatera cretica</i>	Waiting List	Rare	-	Yes	100	include for Isles of Scilly and W. Cornwall mainland coastal sites where long-established
<i>Ledum groenlandicum</i>	Neophyte	Formerly RDB	-	No	-	same as <i>L. palustre</i> ; not a native taxon
<i>Ledum palustre</i>	Neophyte	Formerly RDB	-	No	-	current name (as subsp <i>groenlandicum</i> ) for <i>L. groenlandicum</i> ; not a native taxon
<i>Ledum palustre</i> subsp. <i>groenlandicum</i>	Neophyte	Formerly RDB	-	No	-	current name for <i>L. groenlandicum</i> ; not a native taxon
<i>Leersia oryzoides</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1998
<i>Lepidium latifolium</i>	Least Concern	Scarce	-	Yes	50	include only within presumed native range
<i>Leucojum aestivum</i>	Least Concern	Scarce	-	Yes	50	only include if subsp <i>aestivum</i> and within presumed native range. Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Leucojum aestivum</i> subsp. <i>aestivum</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Leucojum vernalis</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Leucorchis albida</i>	Vulnerable	Not rare/scarce	-	[No]	-	synonym for <i>Pseudorchis albida</i>
<i>Limonium bellidifolium</i>	Least Concern	Rare	-	Yes	100	-
<i>Limonium binervosum</i> agg.	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Limonium binervosum sensu stricto</i>	Waiting List	Scarce	-	Yes	50	<i>Limonium binervosum</i> agg is NOT scarce
<i>Limonium binervosum</i> subsp. <i>anglicum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium binervosum</i> subsp. <i>binervosum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium binervosum</i> subsp. <i>cantianum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium binervosum</i> subsp. <i>mutatum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium binervosum</i> subsp. <i>saxonicum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium britannicum</i>	Waiting List	Scarce	-	Yes	50	identify to subsp level if possible (subspp are Rare): consult specialist
<i>Limonium britannicum</i> subsp. <i>britannicum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium britannicum</i> subsp. <i>celticum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium britannicum</i> subsp. <i>coombense</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium britannicum</i> subsp. <i>transcanalis</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium dodartiforme</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium humile</i>	Least Concern	Scarce	-	Yes	50	-
<i>Limonium loganicum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium paradoxum</i>	Waiting List	Rare	-	Yes	100	Formerly listed on Sch. 8, removed from Sch. 8 in 1992
<i>Limonium parvum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium procerum</i>	Waiting List	Scarce	-	Yes	50	identify to subsp level if possible (2 subspp are Rare): consult specialist
<i>Limonium procerum</i> subsp. <i>cambrense</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium procerum</i> subsp. <i>devoniense</i>	Waiting List	Rare	-	Yes	100	-
<i>Limonium procerum</i> subsp. <i>procerum</i>	Waiting List	Scarce	-	Yes	50	-
<i>Limonium recurvum</i>	Vulnerable	Rare	-	Yes	100	includes 3 subspp ( <i>humile</i> , <i>portlandicum</i> & <i>recurvum</i> ); formerly listed on Sch. 8, removed from Sch. 8 in 1992
<i>Limonium recurvum</i> subsp. <i>humile</i>	Waiting List	Rare	-	Yes	100	included within <i>L. recurvum</i> on Sch. 8, from 1981 to 1992
<i>Limonium recurvum</i> subsp. <i>portlandicum</i>	Waiting List	Rare	-	Yes	100	included within <i>L. recurvum</i> on Sch. 8, from 1981 to 1992

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Limonium recurvum</i> subsp. <i>recurvum</i>	Waiting List	Rare	-	Yes	100	included within <i>L. recurvum</i> on Sch. 8, from 1981 to 1992
<i>Limonium transwallianum</i>	Waiting List	Rare	-	Yes	100	-
<i>Limosella aquatica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Limosella australis</i>	Waiting List	Rare	Sch. 8	Yes	200	current name: same as <i>L. subulata</i> ; added to Sch. 8 in 1992
<i>Limosella subulata</i>	Waiting List	Rare	Sch. 8	Yes	200	synonym for <i>L. australis</i> ; added to Sch. 8 in 1992
<i>Linaria supina</i>	Neophyte	Rare	-	Yes	100	consult specialist: only include if part of reason for SSSI being notified
<i>Linnaea borealis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Linum anglicum</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>L. perenne</i>
<i>Linum perenne</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>L. anglicum</i>
<i>Liparis loeselii</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981; also listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1
<i>Lithospermum arvense</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Lithospermum purpureocaeruleum</i>	Least Concern	Rare	-	Yes	100	current name: same as <i>Buglossoides purpureocaerulea</i>
<i>Lloydia serotina</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Lobelia urens</i>	Vulnerable	Rare	-	Yes	100	-
<i>Lolium temulentum</i>	Critically Endangered	Scarce	-	Yes	50	-
<i>Lonicera xylosteum</i>	Waiting List	Rare	-	Yes	100	include only if within presumed native range (Sussex): if in doubt consult specialist
<i>Lotus angustissimus</i>	Near Threatened	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Lotus hispidus</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>L. subbiflorus</i>
<i>Lotus subbiflorus</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>L. hispidus</i>
<i>Ludwigia palustris</i>	Least Concern	Rare	-	Yes	100	-
<i>Luronium natans</i>	Least Concern	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1992. Listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1; this taxon listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so there may be sites notified for this species in its own right
<i>Luzula arcuata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Luzula pallescens</i>	Critically Endangered	Rare	-	Yes	100	synonym for <i>L. pallidula</i>
<i>Luzula pallidula</i>	Critically Endangered	Rare	-	Yes	100	current name: same as <i>L. pallescens</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Lychnis alpina</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Lychnis viscaria</i>	Near Threatened	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Lycopodiella inundata</i>	Endangered	Scarce	-	Yes	50	-
<i>Lycopodium annotinum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Lycopodium inundatum</i>	Endangered	Scarce	-	Yes	50	synonym for <i>Lycopodiella inundata</i>
<i>Lycopodium issleri</i>	Near Threatened	Rare	-	Yes	100	synonym for <i>Diphasiastrum complanatum</i>
<i>Lysimachia thyrsoiflora</i>	Least Concern	Scarce	-	Yes	50	-
<i>Lythrum hyssopifolia</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988; same as <i>L. hyssopifolium</i>
<i>Lythrum hyssopifolium</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988; same as <i>L. hyssopifolia</i>
<i>Maianthemum bifolium</i>	Vulnerable	Rare	-	Yes	100	-
<i>Malaxis paludosa</i>	Least Concern	Formerly scarce	-	No	-	synonym for <i>Hammarbya paludosa</i> . Now recorded from >100 10-km squares. Listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so there may be sites notified for this species in its own right
<i>Marrubium vulgare</i>	Least Concern	Scarce	-	Yes	50	include only if within native range (mainly coastal): if in doubt consult specialist
<i>Matthiola incana</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Matthiola sinuata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Meconopsis cambrica</i>	Least Concern	Scarce	-	Yes	50	include only if within native range
<i>Medicago falcata</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>M. sativa</i> subsp. <i>falcata</i>
<i>Medicago minima</i>	Vulnerable	Scarce	-	Yes	50	include only if within native range: if in doubt consult specialist
<i>Medicago polymorpha</i>	Least Concern	Scarce	-	Yes	50	include only if within native range: if in doubt consult specialist
<i>Medicago sativa</i> subsp. <i>falcata</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>M. falcata</i> - include only if within native range (E. Anglia)
<i>Melampyrum arvense</i>	Waiting List	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Melampyrum cristatum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Melampyrum sylvaticum</i>	Endangered	Scarce	-	Yes	50	-
<i>Melittis melissophyllum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Mentha pulegium</i>	Endangered	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1988; include only if considered native. Prior to 1988 was listed as RDB/Rare, so would have scored 100 points
<i>Mentha rotundifolia</i>	Data Deficient	Scarce	-	Yes	50	synonym for <i>M. suaveolens</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Mentha suaveolens</i>	Data Deficient	Scarce	-	Yes	50	current name: same as <i>M. rotundifolia</i>
<i>Mertensia maritima</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Mespilus germanica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Meum athamanticum</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Mibora minima</i>	Least Concern	Rare	-	Yes	100	consult specialist re native/alien status of English sites
<i>Minuartia hybrida</i>	Endangered	Scarce	-	Yes	50	-
<i>Minuartia rubella</i>	Vulnerable	Rare	-	Yes	100	-
<i>Minuartia sedoides</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>Cherleria sedoides</i>
<i>Minuartia stricta</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Minuartia verna</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Misopates orontium</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Moenchia erecta</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Moneses uniflora</i>	Vulnerable	Rare	-	Yes	100	-
<i>Monotropa hypopitys</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Monotropa hypopitys</i> subsp. <i>hypophegea</i>	Endangered	Not Assessed	-	[No]	-	-
<i>Monotropa hypopitys</i> subsp. <i>hypopitys</i>	Endangered	Not Assessed	-	[No]	-	-
<i>Muscari atlanticum</i>	Vulnerable	Rare	-	Yes	100	synonym for <i>M. neglectum</i>
<i>Muscari neglectum</i>	Vulnerable	Rare	-	Yes	100	current name: same as <i>M. atlanticum</i>
<i>Myosotis alpestris</i>	Near Threatened	Rare	-	Yes	100	-
<i>Myosotis brevifolia</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>M. stolonifera</i>
<i>Myosotis stolonifera</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>M. brevifolia</i>
<i>Myosurus minimus</i>	Vulnerable	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Myriophyllum verticillatum</i>	Vulnerable	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Najas flexilis</i>	Least Concern	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1992; also listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1. Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Najas marina</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Narcissus obvallaris</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Nardurus maritimus</i>	Waiting List	Scarce	-	Yes	50	synonym for <i>Vulpia unilateralis</i>
<i>Neotinea ustulata</i>	Endangered	Scarce	-	Yes	50	current name: same as <i>Orchis ustulata</i>
<i>Neottia nidus-avis</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Nepeta cataria</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Nuphar pumila</i>	Least Concern	Scarce	-	Yes	50	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Nymphoides peltata</i>	Least Concern	Scarce	-	Yes	50	include only if within native range
<i>Odontites vernus</i> subsp. <i>litoralis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Oenanthe fistulosa</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Oenanthe fluviatilis</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Oenanthe pimpinelloides</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Oenanthe silaifolia</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Oenothera stricta</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Onobrychis viciifolia</i>	Near Threatened	Not rare/scarce	-	[No]	-	include only if within native range; if in doubt, consult specialist
<i>Ononis reclinata</i>	Least Concern	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Ophioglossum azoricum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Ophioglossum lusitanicum</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Ophrys bertolonii</i>	Neophyte	Formerly RDB	-	No	-	included in RDB ed. 1 but excluded thereafter as deliberately planted
<i>Ophrys fuciflora</i>	Vulnerable	Rare	Sch. 8	Yes	200	current name: same as <i>O. holoserica</i> ; added to Sch. 8 in 1981
<i>Ophrys holoserica</i>	Vulnerable	Rare	Sch. 8	Yes	200	synonym for <i>O. fuciflora</i> ; added to Sch. 8 in 1981
<i>Ophrys insectifera</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Ophrys sphegodes</i>	Least Concern	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Orchis anthropophora</i>	Endangered	Scarce	-	Yes	50	current name: same as <i>Aceras anthropophorum</i>
<i>Orchis militaris</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Orchis morio</i>	Near Threatened	Not rare/scarce	-	[No]	-	synonym for <i>Anacamptis morio</i> ; listed in 1989 guidelines under criterion 3.6 as example of a declining species for which SSSIs holding "particularly large populations" could be notified - if SSSI was notified for this species in its own right, it should be included under CSM
<i>Orchis purpurea</i>	Endangered	Scarce	-	Yes	50	-
<i>Orchis simia</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Orchis ustulata</i>	Endangered	Scarce	-	Yes	50	synonym for <i>Neotinea ustulata</i>
<i>Ornithogalum pyrenaicum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Ornithopus pinnatus</i>	Least Concern	Rare	-	Yes	100	-
<i>Orobanche alba</i>	Least Concern	Scarce	-	Yes	50	-
<i>Orobanche artemisiae-campestris</i>	Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>O. picridis</i> & <i>O. loricata</i> ; added to Sch. 8 in 1981
<i>Orobanche caryophyllacea</i>	Near Threatened	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Orobanche hederæ</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Orobanche loricata</i>	Endangered	Rare	Sch. 8	Yes	200	synonym for <i>O. artemisiae-campestris</i> ; added to Sch. 8 in 1981
<i>Orobanche maritima</i>	Not Assessed	Formerly RDB	-	No	-	formerly considered to be either 'rare' (100 points) or 'scarce' (50 points); now regarded as taxonomically indistinct and included within <i>O. minor</i>
<i>Orobanche picridis</i>	Endangered	Rare	Sch. 8	Yes	200	synonym for <i>O. artemisiae-campestris</i> ; added to Sch. 8 in 1981
<i>Orobanche purpurea</i>	Vulnerable	Rare	-	Yes	100	-
<i>Orobanche rapum-genistæ</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Orobanche reticulata</i>	Near Threatened	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Orthilia secunda</i>	Least Concern	Formerly scarce	-	No	-	current name: same as <i>Pyrola secunda</i> and <i>Ramischia secunda</i> ; now recorded from >100 10-km squares
<i>Otanthus maritimus</i>	Extinct	Rare	-	Yes	100	-
<i>Oxytropis campestris</i>	Vulnerable	Rare	-	Yes	100	-
<i>Oxytropis halleri</i>	Least Concern	Rare	-	Yes	100	-
<i>Paeonia mascula</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Papaver argemone</i>	Vulnerable	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Parapholis incurva</i>	Least Concern	Scarce	-	Yes	50	-
<i>Parentucellia viscosa</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Pedicularis sylvatica</i> subsp. <i>hibernica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Persicaria laxiflora</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>Persicaria mitis</i>
<i>Persicaria minor</i>	Vulnerable	Formerly scarce	-	[No]	-	current name: same as <i>Polygonum minus</i> ; now recorded from >100 10-km squares
<i>Persicaria mitis</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>P. laxiflora</i> & <i>Polygonum mite</i>
<i>Petrorhagia nanteuilii</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Petrorhagia prolifera</i>	Waiting List	Rare	-	Yes	100	-
<i>Petroselinum segetum</i>	Least Concern	Formerly RDB	-	No	-	included in RDB ed. 2 in square brackets on grounds that threatened in Europe; listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so, despite being a 'NO' species, <u>there may be sites notified for this species in its own right</u>
<i>Peucedanum officinale</i>	Least Concern	Rare	-	Yes	100	-
<i>Peucedanum ostruthium</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Peucedanum palustre</i>	Vulnerable	Scarce	-	Yes	50	-



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Phleum alpinum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Phleum phleoides</i>	Least Concern	Rare	-	Yes	100	-
<i>Phyllodoce caerulea</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Physospermum cornubiense</i>	Least Concern	Rare	-	Yes	100	-
<i>Phyteuma orbiculare</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>P. tenerum</i>
<i>Phyteuma spicatum</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Phyteuma tenerum</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>P. orbiculare</i>
<i>Pilosella flagellaris</i> subsp. <i>bicapitata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Pilosella peleteriana</i>	Near Threatened	Rare	-	Yes	100	-
<i>Pilosella peleteriana</i> subsp. <i>peleteriana</i>	Waiting List	Rare	-	Yes	100	-
<i>Pilosella peleteriana</i> subsp. <i>subpeleteriana</i>	Waiting List	Rare	-	Yes	100	-
<i>Pilosella peleteriana</i> subsp. <i>tenuiscapa</i>	Waiting List	Rare	-	Yes	100	-
<i>Pilularia globulifera</i>	Near Threatened	Scarce	-	Yes	50	listed in 1989 guidelines under criterion 3.5 as a non-endemic species threatened in Europe for which the best site in each Area of Search could be selected as SSSI - so there may be sites notified for this species in its own right
<i>Pinguicula alpina</i>	Extinct	Rare	-	Yes	100	Inexplicably omitted from Red List
<i>Pinus sylvestris</i>	Least Concern	Scarce	-	Yes	50	include only if native
<i>Pinus sylvestris</i> var. <i>scotica</i>	Not Assessed	Formerly scarce	-	No	-	taxonomically distinct, but only at level of var.
<i>Platanthera bifolia</i>	Vulnerable	Not rare/scarce	-	[No]	-	listed in 1989 guidelines under criterion 3.6 as example of a declining species for which SSSIs holding "particularly large populations" could be notified - if SSSI was notified for this species in its own right, it should be included under CSM
<i>Platanthera chlorantha</i>	Near Threatened	Not rare/scarce	-	[No]	-	listed in 1989 guidelines under criterion 3.6 as example of a declining species for which SSSIs holding "particularly large populations" could be notified - if SSSI was notified for this species in its own right, it should be included under CSM
<i>Poa alpina</i>	Least Concern	Scarce	-	Yes	50	-
<i>Poa bulbosa</i>	Least Concern	Scarce	-	Yes	50	-
<i>Poa flexuosa</i>	Vulnerable	Rare	-	Yes	100	-
<i>Poa glauca</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Poa infirma</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Poa palustris</i>	Neophyte	Formerly scarce	-	No	-	still 'scarce' but no longer regarded as a native taxon

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Polemonium caeruleum</i>	Least Concern	Rare	-	Yes	100	-
<i>Polycarpon tetraphyllum</i>	Least Concern	Rare	-	Yes	100	-
<i>Polygala amara</i>	Least Concern	Rare	-	Yes	100	synonym for <i>P. amarella</i>
<i>Polygala amarella</i>	Least Concern	Rare	-	Yes	100	current name: includes plants referred to <i>P. amara</i> & <i>P. austriaca</i>
<i>Polygala austriaca</i>	Least Concern	Rare	-	Yes	100	synonym for <i>P. amarella</i>
<i>Polygonatum odoratum</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Polygonatum verticillatum</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Polygonum boreale</i>	Least Concern	Scarce	-	Yes	50	-
<i>Polygonum dumetorum</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>Fallopia dumetorum</i>
<i>Polygonum maritimum</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Polygonum minus</i>	Vulnerable	Formerly scarce	-	[No]	-	synonym for <i>Persicaria minor</i> ; now recorded from >100 10-km squares
<i>Polygonum mite</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>Persicaria mitis</i>
<i>Polygonum oxyspermum</i> subsp. <i>raii</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Polygonum raii</i>	Least Concern	Formerly scarce	-	No	-	now <i>P. oxyspermum</i> subsp. <i>raii</i> , and recorded from >100 10-km squares
<i>Polypodium australe</i>	Least Concern	Formerly scarce	-	No	-	synonym for <i>P. cambricum</i> . Now recorded from >100 10-km squares
<i>Polypodium cambricum</i>	Least Concern	Formerly scarce	-	No	-	current name: same as <i>P. australe</i> . Now recorded from >100 10-km squares
<i>Polypodium interjectum</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Polypogon monspeliensis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Polystichum lonchitis</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Polystichum x bichnellii</i>	Not Assessed	Formerly scarce	-	No	-	Included in 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Potamogeton acutifolius</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Potamogeton acutifolius x berchtoldii</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x sudermanicus</i>
<i>Potamogeton alpinus x crispus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x olivaceus</i>
<i>Potamogeton berchtoldii x acutifolius</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x sudermanicus</i>
<i>Potamogeton coloratus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Potamogeton coloratus x gramineus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x billupsii</i>
<i>Potamogeton compressus</i>	Endangered	Scarce	-	Yes	50	-
<i>Potamogeton crispus x alpinus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x olivaceus</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Potamogeton crispus x praelongus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x undulatus</i>
<i>Potamogeton crispus x trichoides</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x bennettii</i>
<i>Potamogeton ephedrus</i>	Vulnerable	Rare	-	Yes	100	-
<i>Potamogeton filiformis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Potamogeton friesii</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Potamogeton gramineus x coloratus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x billupsii</i>
<i>Potamogeton lucens x natans</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x fluitans</i>
<i>Potamogeton natans x lucens</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x fluitans</i>
<i>Potamogeton natans x nodosus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x schreberi</i>
<i>Potamogeton natans x polygonifolius</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x gessnacensis</i>
<i>Potamogeton nodosus</i>	Vulnerable	Rare	-	Yes	100	-
<i>Potamogeton nodosus x natans</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x schreberi</i>
<i>Potamogeton pectinatus x vaginatus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x bottnicus</i>
<i>Potamogeton perfoliatus x praelongus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x cognatus</i>
<i>Potamogeton polygonifolius x natans</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x gessnacensis</i>
<i>Potamogeton praelongus</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Potamogeton praelongus x crispus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x undulatus</i>
<i>Potamogeton praelongus x perfoliatus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x cognatus</i>
<i>Potamogeton rutilus</i>	Least Concern	Rare	-	Yes	100	-
<i>Potamogeton trichoides</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Potamogeton trichoides x crispus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x bennettii</i>
<i>Potamogeton vaginatus x pectinatus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. x bottnicus</i>
<i>Potamogeton x bennettii</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. trichoides x crispus</i>
<i>Potamogeton x billupsii</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. coloratus x gramineus</i>
<i>Potamogeton x bottnicus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. pectinatus x vaginatus</i>
<i>Potamogeton x cognatus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. praelongus x perfoliatus</i>
<i>Potamogeton x fluitans</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. natans x lucens</i>
<i>Potamogeton x gessnacensis</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. natans x polygonifolius</i>
<i>Potamogeton x olivaceus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. alpinus x crispus</i>
<i>Potamogeton x schreberi</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. natans x nodosus</i>
<i>Potamogeton x sudermanicus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. berchtoldii x acutifolius</i>
<i>Potamogeton x undulatus</i>	Vulnerable	Rare	-	Yes	100	same as <i>P. praelongus x crispus</i>
<i>Potentilla argentea</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Potentilla crantzii</i>	Least Concern	Scarce	-	Yes	50	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Potentilla fruticosa</i>	Near Threatened	Rare	-	Yes	100	-
<i>Potentilla neumanniana</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>P. tabernaemontani</i>
<i>Potentilla rupestris</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Potentilla tabernaemontani</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>P. neumanniana</i>
<i>Primula elatior</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Primula farinosa</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Primula scotica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Prunella laciniata</i>	Neophyte	Rare	-	Yes	100	consult specialist: only include if SSSI originally notified for this species
<i>Pseudorchis albida</i>	Vulnerable	Not rare/scarce	-	[No]	-	current name: same as <i>Leucorchis albida</i> and <i>Gymnadenia albida</i>
<i>Puccinellia capillaris</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>P. distans</i> subsp <i>borealis</i>
<i>Puccinellia distans</i> subsp. <i>borealis</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>P. capillaris</i>
<i>Puccinellia fasciculata</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Puccinellia rupestris</i>	Least Concern	Scarce	-	Yes	50	-
<i>Pulicaria vulgaris</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Pulmonaria longifolia</i>	Least Concern	Scarce	-	Yes	50	-
<i>Pulmonaria obscura</i>	Endangered	Rare	-	Yes	100	-
<i>Pulsatilla vulgaris</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Pyrola media</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Pyrola minor</i>	Least Concern	Not rare/scarce	-	No	-	listed in 1989 guidelines under criterion 3.6 as example of a declining species for which SSSIs holding "particularly large populations" could be notified - if SSSI was notified for this species in its own right, it should be included under CSM
<i>Pyrola rotundifolia</i>	Least Concern	Scarce	-	Yes	50	subsp <i>rotundifolia</i> is Near Threatened
<i>Pyrola rotundifolia</i> subsp. <i>maritima</i>	Least Concern	Scarce	-	Yes	50	-
<i>Pyrola rotundifolia</i> subsp. <i>rotundifolia</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Pyrola secunda</i>	Least Concern	Formerly scarce	-	No	-	synonym for <i>Orthilia secunda</i> ; now recorded from >100 10-km squares
<i>Pyrus cordata</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Radiola linoides</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Ramischia secunda</i>	Least Concern	Formerly scarce	-	No	-	synonym for <i>Orthilia secunda</i> ; now recorded from >100 10-km squares
<i>Ranunculus arvensis</i>	Critically Endangered	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Ranunculus baudotii</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Ranunculus flammula</i> subsp. <i>minimus</i>	Data Deficient	Rare	-	Yes	100	-
<i>Ranunculus flammula</i> subsp. <i>scoticus</i>	Data Deficient	Rare	-	Yes	100	-
<i>Ranunculus ophioglossifolius</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Ranunculus penicillatus</i> subsp. <i>penicillatus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Ranunculus reptans</i>	Vulnerable	Rare	-	Yes	100	-
<i>Ranunculus tripartitus</i>	Endangered	Scarce	-	Yes	50	-
<i>Raphanus maritimus</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Raphanus raphinistrum</i> subsp. <i>maritimus</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Rhinanthus angustifolius</i>	Waiting List	Rare	Sch. 8	Yes	200	current name: same as <i>R. serotinus</i> ; added to Sch. 8 in 1981
<i>Rhinanthus minor</i> subsp. <i>borealis</i>	Data Deficient	Rare	-	Yes	100	-
<i>Rhinanthus minor</i> subsp. <i>calcareus</i>	Data Deficient	Rare	-	Yes	100	-
<i>Rhinanthus minor</i> subsp. <i>lintonii</i>	Data Deficient	Rare	-	Yes	100	-
<i>Rhinanthus minor</i> subsp. <i>monticola</i>	Data Deficient	Scarce	-	Yes	50	-
<i>Rhinanthus serotinus</i>	Waiting List	Rare	Sch. 8	Yes	200	synonym for <i>R. angustifolius</i> ; added to Sch. 8 in 1981
<i>Rhynchosinapis monensis</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>Coincya monensis</i>
<i>Rhynchosinapis wrightii</i>	Vulnerable	Rare	Sch. 8	Yes	200	synonym for <i>Coincya wrightii</i> ; added to Sch. 8 in 1988
<i>Rhynchospora fusca</i>	Least Concern	Scarce	-	Yes	50	-
<i>Ribes alpinum</i>	Least Concern	Scarce	-	Yes	50	include only if within native range
<i>Ribes spicatum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Romulea columnae</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Rorippa amphibia</i> x <i>palustris</i>	Vulnerable	Rare	-	Yes	100	same as <i>R. x erythrocaulis</i>
<i>Rorippa austriaca</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Rorippa islandica</i>	Least Concern	Scarce	-	Yes	50	-
<i>Rorippa palustris</i> x <i>amphibia</i>	Vulnerable	Rare	-	Yes	100	same as <i>R. x erythrocaulis</i>
<i>Rorippa x erythrocaulis</i>	Vulnerable	Rare	-	Yes	100	same as <i>R. palustris</i> x <i>amphibia</i>
<i>Rosa agrestis</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Rubus adenoleucis</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist
<i>Rubus andegavensis</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist
<i>Rubus aquarum</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus arcticus</i>	Extinct	Rare	-	Yes	100	Inexplicably omitted from Red List
<i>Rubus arrhenii</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Rubus briggsii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus britannicus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus bucknallii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus castrensis</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus daltrii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus dasycoccus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus devoniensis</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus diversiarmatus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus dobuniensis</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus durescens</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus errabundus</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Rubus herefordensis</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus hirsutissimus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus hyposericeus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus iodnephes</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus laxatifrons</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus leightonii</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Rubus longifrons</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus melanocladus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus mercicus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus murrayi</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Rubus obesifolius</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus patuliformis</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist
<i>Rubus permundus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus pervalidus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus pliocenicus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus powellii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus pseudoplinthostylus</i>	Candidate Microspecies	Rare	-	Yes	100	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Rubus putneiensis</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus regillus</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus rotundifolius</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus sagittarius</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus salteri</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus silurum</i>	Not Assessed	Not Assessed	-	No	-	on list of scarce microspecies in 1983 guidelines; include if site originally notified for this taxon, otherwise consult specialist
<i>Rubus spadix</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus trelleckensis</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus tresidderi</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rubus wolley-dodii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Rumex acetosa</i> subsp. <i>hibernicus</i>	Data Deficient	Rare	-	Yes	100	-
<i>Rumex alpinus</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Rumex aquaticus</i>	Vulnerable	Rare	-	Yes	100	-
<i>Rumex crispus</i> subsp. <i>uliginosus</i>	Least Concern	Scarce	-	Yes	50	-
<i>Rumex maritimus</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Rumex palustris</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Rumex pseudoalpinus</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Rumex rupestris</i>	Endangered	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1992; also listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1. Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Ruppia cirrhosa</i>	Near Threatened	Scarce	-	Yes	50	current name: same as <i>R. spiralis</i>
<i>Ruppia spiralis</i>	Near Threatened	Scarce	-	Yes	50	synonym for <i>R. cirrhosa</i>
<i>Sagina boydii</i>	Not Assessed	Not Assessed	-	No	-	British record uncertain, circumstances of its discovery unclear; DNA evidence suggests only a form of <i>Sagina procumbens</i>
<i>Sagina intermedia</i>	Vulnerable	Rare	-	Yes	100	synonym for <i>S. nivalis</i>
<i>Sagina nivalis</i>	Vulnerable	Rare	-	Yes	100	current name: same as <i>S. intermedia</i>
<i>Sagina normaniana</i>	Not Assessed	Formerly RDB	-	No	-	now regarded as a hybrid (x <i>normaniana</i> ) and excluded from current list as not a Red-listed hybrid
<i>Sagina saginoides</i>	Endangered	Scarce	-	Yes	50	-
<i>Sagina x normaniana</i>	Not Assessed	Formerly RDB	-	No	-	Included in 1989 Guidelines as Scarce, but excluded from current list as not a Red-listed hybrid
<i>Sagittaria rigida</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Salicornia fragilis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Salicornia nitens</i>	Data Deficient	Rare	-	Yes	100	-
<i>Salicornia obscura</i>	Data Deficient	Rare	-	Yes	100	-
<i>Salicornia perennis</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>Sarcocornia perennis</i>
<i>Salicornia pusilla</i>	Least Concern	Scarce	-	Yes	50	-
<i>Salix arbuscula</i>	Least Concern	Scarce	-	Yes	50	-
<i>Salix caprea</i> subsp. <i>sphacelata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Salix lanata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Salix lapponum</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Salix myrsinifolia</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Salix myrsinites</i>	Endangered	Scarce	-	Yes	50	-
<i>Salix nigricans</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Salix reticulata</i>	Least Concern	Scarce	-	Yes	50	-
<i>Salsola kali</i>	Vulnerable	Not rare/scarce	-	[No]	-	native subspecies (kali) only
<i>Salsola kali</i> subsp. <i>kali</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Salvia pratensis</i>	Near Threatened	Scarce	Sch. 8	Yes	200	added to Sch. 8 in 1992. Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Sarcocornia perennis</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>Salicornia perennis</i> & <i>Arthrocnemum perenne</i>
<i>Saxifraga cernua</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Saxifraga cespitosa</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Saxifraga hirculus</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1992; also listed under EC Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1
<i>Saxifraga hypnoides</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Saxifraga nivalis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Saxifraga rivularis</i>	Least Concern	Rare	-	Yes	100	-
<i>Saxifraga rosacea</i>	Extinct in the Wild	Rare	-	Yes	100	subsp <i>rosacea</i>
<i>Saxifraga rosacea</i> subsp. <i>rosacea</i>	Extinct in the Wild	Rare	-	Yes	100	-
<i>Scandix pecten-veneris</i>	Critically Endangered	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Scheuchzeria palustris</i>	Least Concern	Rare	-	Yes	100	-
<i>Schoenoplectus lacustris</i> x <i>triqueter</i>	Vulnerable	Rare	-	Yes	100	same as <i>S. x carinatus</i>
<i>Schoenoplectus pungens</i>	Neophyte	Formerly RDB	-	No	-	possibly native in CI, but introduced in Lancs
<i>Schoenoplectus tabernaemontani</i> x <i>triqueter</i>	Vulnerable	Rare	-	Yes	100	same as <i>S. x kuekenthalianus</i>



Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Schoenoplectus triqueteter</i>	Critically Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>Scirpus triquetrus</i> and <i>Scirpus triqueteter</i> ; added to Sch. 8 in 1981
<i>Schoenoplectus triqueteter x lacustris</i>	Vulnerable	Rare	-	Yes	100	same as <i>S. x carinatus</i>
<i>Schoenoplectus triqueteter x tabernaemontani</i>	Vulnerable	Rare	-	Yes	100	same as <i>S. x kuekenthalianus</i>
<i>Schoenoplectus x carinatus</i>	Vulnerable	Rare	-	Yes	100	same as <i>S. lacustris x triqueteter</i>
<i>Schoenoplectus x kuekenthalianus</i>	Vulnerable	Rare	-	Yes	100	same as <i>S. tabernaemontani x triqueteter</i>
<i>Schoenus ferrugineus</i>	Least Concern	Rare	-	Yes	100	-
<i>Scilla autumnalis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Scirpoides holoschoenus</i>	Endangered	Rare	-	Yes	100	current name: same as <i>Holoschoenus vulgaris</i> and <i>Scirpus holoschoenus</i>
<i>Scirpus holoschoenus</i>	Endangered	Rare	-	Yes	100	synonym for <i>Scirpoides holoschoenus</i>
<i>Scirpus hudsonianus</i>	Extinct	Rare	-	Yes	100	single locality, became extinct in early 19th century
<i>Scirpus lacustris x triquetrus</i>	Vulnerable	Rare	-	Yes	100	same as <i>Schoenoplectus x carinatus</i>
<i>Scirpus pungens</i>	Neophyte	Formerly RDB	-	No	-	possibly native in CI, but introduced in Lancs
<i>Scirpus tabernaemontani x triquetrus</i>	Vulnerable	Rare	-	Yes	100	same as <i>Schoenoplectus x kuekenthalianus</i>
<i>Scirpus triqueteter</i>	Critically Endangered	Rare	Sch. 8	Yes	200	synonym for <i>Schoenoplectus triqueteter</i> ; added to Sch. 8 in 1981
<i>Scirpus triquetrus</i>	Critically Endangered	Rare	Sch. 8	Yes	200	synonym for <i>Schoenoplectus triqueteter</i> ; added to Sch. 8 in 1981
<i>Scirpus triquetrus x lacustris</i>	Vulnerable	Rare	-	Yes	100	same as <i>Schoenoplectus x carinatus</i>
<i>Scirpus triquetrus x tabernaemontani</i>	Vulnerable	Rare	-	Yes	100	same as <i>Schoenoplectus x kuekenthalianus</i>
<i>Scleranthus annuus</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Scleranthus annuus</i> subsp. <i>annuus</i>	Endangered	Not rare/scarce	-	[No]	-	-
<i>Scleranthus annuus</i> subsp. <i>polycarpus</i>	Data Deficient	Rare	-	Yes	100	-
<i>Scleranthus perennis</i>	Endangered	Rare	Sch. 8	Yes	200	either subspecies. Added to Sch. 8 in 1981
<i>Scleranthus perennis</i> subsp. <i>perennis</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Scleranthus perennis</i> subsp. <i>prostratus</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Scorzonera humilis</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Scrophularia scorodonia</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Scrophularia umbrosa</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Sedum forsterianum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Sedum villosum</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Selinum carvifolia</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Senecio cambrensis</i>	Near Threatened	Rare	-	Yes	100	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Senecio congestus</i>	Extinct	Rare	-	Yes	100	synonym for <i>Tephroseris palustris</i>
<i>Senecio eboracensis</i>	Waiting List	Rare	-	Yes	100	a new taxon, arisen through hybridisation. Now (Feb 2006) reassessed for Red List as 'Extinct in the Wild'
<i>Senecio integrifolius</i>	Endangered	Scarce	-	Yes	50	synonym for <i>Tephroseris integrifolia</i>
<i>Senecio paludosus</i>	Critically Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Serapias parviflora</i>	Waiting List	Rare	-	Yes	100	-
<i>Seseli libanotis</i>	Near Threatened	Rare	-	Yes	100	-
<i>Sesleria albicans</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>S. caerulea</i>
<i>Sesleria caerulea</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>S. albicans</i>
<i>Sibbaldia procumbens</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Sibthorpia europaea</i>	Least Concern	Scarce	-	Yes	50	-
<i>Silene conica</i>	Vulnerable	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Silene gallica</i>	Endangered	Scarce	-	Yes	50	-
<i>Silene italica</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Silene noctiflora</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Silene nutans</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Silene otites</i>	Endangered	Rare	-	Yes	100	-
<i>Sisymbrium irio</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Sium latifolium</i>	Endangered	Scarce	-	Yes	50	-
<i>Sonchus palustris</i>	Least Concern	Scarce	-	Yes	50	-
<i>Sorbus anglica</i>	Near Threatened	Rare	-	Yes	100	-
<i>Sorbus arranensis</i>	Vulnerable	Rare	-	Yes	100	-
<i>Sorbus bristoliensis</i>	Endangered	Rare	-	Yes	100	-
<i>Sorbus devoniensis</i>	Least Concern	Scarce	-	Yes	50	-
<i>Sorbus domestica</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Sorbus eminens</i>	Endangered	Rare	-	Yes	100	-
<i>Sorbus intermedia</i>	Neophyte	Formerly scarce	-	No	-	this taxon no longer recognised as a valid native species (though segregates within intermedia agg are)
<i>Sorbus lancastricensis</i>	Near Threatened	Rare	-	Yes	100	-
<i>Sorbus leptophylla</i>	Endangered	Rare	-	Yes	100	-
<i>Sorbus leyana</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Sorbus minima</i>	Vulnerable	Rare	-	Yes	100	-
<i>Sorbus porrigentiformis</i>	Least Concern	Scarce	-	Yes	50	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Sorbus pseudofennica</i>	Vulnerable	Rare	-	Yes	100	-
<i>Sorbus pseudomeinichii</i>	Critically Endangered	Rare	-	Yes	100	Newly described taxon (Watsonia 26: 9-14 [2006]) not included in 2005 Red List but assessed as Critically Endangered under IUCN Threat Criteria
<i>Sorbus rupicola</i>	Least Concern	Scarce	-	Yes	50	-
<i>Sorbus subcuneata</i>	Vulnerable	Rare	-	Yes	100	-
<i>Sorbus vexans</i>	Endangered	Rare	-	Yes	100	-
<i>Sorbus whiteana</i>	Endangered	Rare	-	Yes	100	Newly described taxon (Watsonia 26: 1-7 [2006]) not included in 2005 Red List but assessed as Endangered under IUCN Threat Criteria
<i>Sorbus wilmottiana</i>	Critically Endangered	Rare	-	Yes	100	-
<i>Spartina alterniflora</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Spartina maritima</i>	Endangered	Scarce	-	Yes	50	-
<i>Spergula arvensis</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Spergularia bocconeii</i>	Neophyte	Rare	-	Yes	100	consult specialist before including as part of assemblage
<i>Spiranthes aestivalis</i>	Extinct	Rare	-	Yes	100	-
<i>Spiranthes romanzoffiana</i>	Least Concern	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Spiranthes spiralis</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Stachys alpina</i>	Waiting List	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Stachys arvensis</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Stachys germanica</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Stellaria nemorum</i> subsp. <i>montana</i>	Data Deficient	Rare	-	Yes	100	-
<i>Stellaria palustris</i>	Vulnerable	Not rare/scarce	-	[No]	-	-
<i>Stratiotes aloides</i>	Near Threatened	Scarce	-	Yes	50	include only if within native range: if in doubt consult specialist
<i>Suaeda fruticosa</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>S. vera</i>
<i>Suaeda vera</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>S. fruticosa</i>
<i>Subularia aquatica</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Taraxacum acutum</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist (in < 15 10-km squares in BSBI Taraxacum handbook)
<i>Taraxacum akteum</i>	Vulnerable	Rare	-	Yes	100	-
<i>Taraxacum beefinkii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum breconense</i>	Candidate Microspecies	Rare	-	Yes	100	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Taraxacum cenabense</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum cherwellense</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist (in < 15 10-km squares in BSBI Taraxacum handbook)
<i>Taraxacum clovense</i>	Vulnerable	Rare	-	Yes	100	-
<i>Taraxacum cymbifolium</i>	Vulnerable	Rare	-	Yes	100	-
<i>Taraxacum geirhildae</i>	Vulnerable	Rare	-	Yes	100	-
<i>Taraxacum glaucinum</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist. Not listed in BSBI Taraxacum Handbook
<i>Taraxacum gotlandicum</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum hirsutissimum</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum hygrophilum</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum margettsii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum nietoi</i>	Vulnerable	Rare	-	Yes	100	-
<i>Taraxacum pseudonordstedtii</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum scanicum</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist (in < 15 10-km squares in BSBI Taraxacum handbook)
<i>Taraxacum serpenticola</i>	Candidate Microspecies	Rare	-	Yes	100	-
<i>Taraxacum tanylepis</i>	Not Assessed	Not Assessed	-	No	-	listed in RDB 1999 as 'rare'; include if site originally notified for this species, otherwise consult specialist (in < 15 10-km squares in BSBI Taraxacum handbook)
<i>Taraxacum xiphoideum</i>	Vulnerable	Rare	-	Yes	100	-
<i>Teesdalia nudicaulis</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Tephroseris integrifolia</i>	Endangered	Scarce	-	Yes	50	current name: same as <i>Senecio integrifolius</i> . Only subsp <i>integrifolius</i> in England
<i>Tephroseris integrifolia</i> subsp. <i>integrifolia</i>	Endangered	Scarce	-	Yes	50	-
<i>Tephroseris integrifolia</i> subsp. <i>maritima</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1998
<i>Tephroseris palustris</i>	Extinct	Rare	-	Yes	100	current name: same as <i>Senecio congestus</i>
<i>Tetragonolobus maritimus</i>	Neophyte	Rare	-	Yes	100	consult specialist before including as part of assemblage
<i>Teucrium botrys</i>	Neophyte	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Teucrium chamaedrys</i>	Waiting List	Rare	-	Yes	100	consult specialist: only include where possibly native
<i>Teucrium scordium</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Thelypteris palustris</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>T. thelypteroides</i>

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Thelypteris robertiana</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>Gymnocarpium robertianum</i>
<i>Thelypteris thelypteroides</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>T. palustris</i>
<i>Thesium humifusum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Thlaspi alpestre</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>T. caerulescens</i>
<i>Thlaspi caerulescens</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>T. alpestre</i>
<i>Thlaspi perfoliatum</i>	Vulnerable	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1992
<i>Thymus serpyllum</i>	Least Concern	Rare	-	Yes	100	-
<i>Tilia platyphyllos</i>	Least Concern	Scarce	-	Yes	50	Include only if within native range
<i>Tofieldia pusilla</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Tordylium maximum</i>	Neophyte	Rare	-	Yes	100	consult specialist before including as part of assemblage
<i>Torilis arvensis</i>	Endangered	Scarce	-	Yes	50	-
<i>Trichomanes speciosum</i>	Least Concern	Rare	Sch. 8	Yes	200	Sporophyte, not gametophyte; this taxon also listed under Habitats & Species Directive Annexes II b and IV b, and under Bern Convention Appendix 1 and on Sch. 8 from 1981 onwards
<i>Trichophorum alpinum</i>	Extinct	Rare	-	Yes	100	inexplicably omitted from Red List
<i>Trichophorum cespitosum</i> subsp. <i>cespitosum</i>	Data Deficient	Rare	-	Yes	100	-
<i>Trifolium bocconeii</i>	Vulnerable	Rare	-	Yes	100	-
<i>Trifolium glomeratum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Trifolium incarnatum</i> subsp. <i>molinerii</i>	Vulnerable	Rare	-	Yes	100	current name: same as <i>T. molinerii</i> - native records only (Lizard & S. Devon)
<i>Trifolium molinerii</i>	Vulnerable	Rare	-	Yes	100	synonym for <i>T. incarnatum</i> subsp. <i>molinerii</i> ; include native records only (Lizard & S. Devon)
<i>Trifolium occidentale</i>	Least Concern	Scarce	-	Yes	50	-
<i>Trifolium ochroleucon</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Trifolium ornithopodioides</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Trifolium squamosum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Trifolium stellatum</i>	Neophyte	Formerly RDB	-	No	-	not a native taxon
<i>Trifolium strictum</i>	Vulnerable	Rare	-	Yes	100	-
<i>Trifolium suffocatum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Trinia glauca</i>	Least Concern	Rare	-	Yes	100	-
<i>Tuberaria guttata</i>	Near Threatened	Rare	-	Yes	100	synonymous with <i>T. guttata</i> subsp. <i>breweri</i>
<i>Tuberaria guttata</i> subsp. <i>breweri</i>	Near Threatened	Rare	-	Yes	100	same as full species: supposedly endemic subtaxon

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Turritis glabra</i>	Endangered	Scarce	-	Yes	50	synonym for <i>Arabis glabra</i> . Formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Utricularia intermedia sensu stricto</i>	Data Deficient	Not rare/scarce	-	[No]	-	-
<i>Utricularia ochroleuca</i>	Data Deficient	Not rare/scarce	-	[No]	-	-
<i>Utricularia stygia</i>	Data Deficient	Not rare/scarce	-	[No]	-	-
<i>Vaccinium microcarpum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Valerianella carinata</i>	Least Concern	Formerly scarce	-	No	-	now recorded from >100 10-km squares
<i>Valerianella dentata</i>	Endangered	Formerly scarce	-	[No]	-	now recorded from >100 10-km squares
<i>Valerianella eriocarpa</i>	Least Concern	Rare	-	Yes	100	In Atlas as neophyte: now reassessed as probably native
<i>Valerianella rimosa</i>	Endangered	Rare	-	Yes	100	-
<i>Verbascum lychnitis</i>	Least Concern	Scarce	-	Yes	50	include only if within native range
<i>Verbascum pulverulentum</i>	Least Concern	Scarce	-	Yes	50	-
<i>Verbascum virgatum</i>	Neophyte	Formerly scarce	-	No	-	no longer regarded as native in SW England, and recorded as alien from >100 10-km squares
<i>Veronica alpina</i>	Least Concern	Scarce	-	Yes	50	-
<i>Veronica fruticans</i>	Near Threatened	Scarce	-	Yes	50	formerly RDB/Rare, scoring 100 points under 1989 and earlier guidelines
<i>Veronica praecox</i>	Neophyte	Rare	-	Yes	100	consult specialist before including as part of assemblage
<i>Veronica serpyllifolia</i> subsp. <i>humifusa</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Veronica spicata</i>	Least Concern	Scarce	-	Yes	50	2 subspp: subsp <i>spicata</i> is Sch. 8 and Rare, subsp <i>hybrida</i> is Scarce
<i>Veronica spicata</i> subsp. <i>hybrida</i>	Waiting List	Scarce	-	Yes	50	-
<i>Veronica spicata</i> subsp. <i>spicata</i>	Waiting List	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Veronica triphyllos</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1988
<i>Veronica verna</i>	Endangered	Rare	-	Yes	100	-
<i>Vicia bithynica</i>	Vulnerable	Scarce	-	Yes	50	include only if long-established or considered native at site
<i>Vicia lutea</i>	Near Threatened	Scarce	-	Yes	50	include only if long-established or considered native at site
<i>Vicia orobus</i>	Near Threatened	Scarce	-	Yes	50	-
<i>Vicia parviflora</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>V. tenuissima</i>
<i>Vicia tenuissima</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>V. parviflora</i>
<i>Viola canina</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Viola canina</i> subsp. <i>canina</i>	Near Threatened	Not rare/scarce	-	[No]	-	-

Taxon	Category	Rare/scarce	Sch. 8	Include?	New Scores	Notes
<i>Viola canina</i> subsp. <i>montana</i>	Endangered	Rare	-	Yes	100	-
<i>Viola curtisii</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>V. tricolor</i> subsp <i>curtisii</i>
<i>Viola kitaibeliana</i>	Near Threatened	Rare	-	Yes	100	-
<i>Viola lactea</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Viola palustris</i> subsp. <i>juressi</i>	Least Concern	Scarce	-	Yes	50	-
<i>Viola persicifolia</i>	Endangered	Rare	Sch. 8	Yes	200	current name: same as <i>V. stagnina</i> ; added to Sch. 8 in 1981
<i>Viola riviniana</i> x <i>rupestris</i>	Vulnerable	Rare	-	Yes	100	same as <i>V. x burnatii</i>
<i>Viola rupestris</i>	Least Concern	Rare	-	Yes	100	-
<i>Viola rupestris</i> x <i>riviniana</i>	Vulnerable	Rare	-	Yes	100	same as <i>V. x burnatii</i>
<i>Viola stagnina</i>	Endangered	Rare	Sch. 8	Yes	200	synonym for <i>V. persicifolia</i> ; added to Sch. 8 in 1981
<i>Viola tricolor</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Viola tricolor</i> subsp. <i>curtisii</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>V. curtisii</i>
<i>Viola tricolor</i> subsp. <i>tricolour</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Viola x burnatii</i>	Vulnerable	Rare	-	Yes	100	same as <i>V. rupestris</i> x <i>riviniana</i>
<i>Vulpia ambigua</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>V. ciliata</i> subsp <i>ambigua</i>
<i>Vulpia ciliata</i> subsp. <i>ambigua</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>V. ambigua</i>
<i>Vulpia fasciculata</i>	Least Concern	Scarce	-	Yes	50	current name: same as <i>V. membranacea</i>
<i>Vulpia membranacea</i>	Least Concern	Scarce	-	Yes	50	synonym for <i>V. fasciculata</i>
<i>Vulpia unilateralis</i>	Waiting List	Scarce	-	Yes	50	current name: same as <i>Nardurus maritimus</i>
<i>Wahlenbergia hederacea</i>	Near Threatened	Not rare/scarce	-	[No]	-	-
<i>Wolffia arrhiza</i>	Vulnerable	Scarce	-	Yes	50	-
<i>Woodsia alpina</i>	Near Threatened	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Woodsia ilvensis</i>	Endangered	Rare	Sch. 8	Yes	200	added to Sch. 8 in 1981
<i>Xanthophthalmum segetum</i>	Vulnerable	Not rare/scarce	-	[No]	-	new name (Sell & Murrell 2006) for <i>Chrysanthemum segetum</i>
<i>Zostera angustifolia</i>	Near Threatened	Formerly scarce	-	[No]	-	Now included within <i>Z. marina</i> and, as such, in >100 10-km squares
<i>Zostera hornemanniana</i>	Near Threatened	Formerly scarce	-	[No]	-	synonym for <i>Z. angustifolia</i> ; now included within <i>Z. marina</i> and, as such, in >100 10-km squares
<i>Zostera marina</i>	Near Threatened	Formerly scarce	-	[No]	-	Includes <i>Z. angustifolia</i> / <i>Z. hornemanniana</i> ; used to be 'scarce' but now recorded from >100 10-km squares
<i>Zostera noltei</i>	Vulnerable	Scarce	-	Yes	50	current name: same as <i>Z. noltii</i>
<i>Zostera noltii</i>	Vulnerable	Scarce	-	Yes	50	synonym for <i>Z. noltei</i>





## Annex 3

- **Extracts from *Selection of Biological SSSI: Guidelines 1979* (PPG 2/79), section C1 - plants**

### C Species sites

*[The following localities should be considered for selection as SSSI...]*

#### C1 (a) Localities of endangered plant species

*All localities of species listed in Schedule 2 of the Conservation of Wild Creatures and Wild Plants Act 1975... These are Red Data Book species requiring special protection.*

#### C1 (b) Localities with outstanding assemblages of plants

*All localities with an index of 200 or more. [Plant species occurring in 15 or less 10-km squares score 100 (Red Data Book species), those occurring in 16-30 10-km squares score 50, those occurring in 31-60 10-km squares score 40.]<sup>8</sup>*

#### C1 (c) Localities of rare plants requiring special protection

*Criterion C1(b) ensures that all localities containing 2 or more Red Data Book species... will be notified, and it will also cover some sites where one Red Data Book species is present [when in the company of two or more Nationally Scarce species]. There are special circumstances when localities of one Red Data Book species not covered by C1 (a), C1 (b) or other criteria should also be notified, and so all Red Data Book localities should be considered as candidate sites.*

*Sites of British endemics, sites of species undergoing rapid declines due to human activities, and sites of species with less than 6 localities in Britain should be given special attention and will often require notification...*

- **Extracts from *Revised Policy Guidelines on the Selection of Biological SSSIs 1983*, section C1 - plants**

### C Species sites

*[The following localities should be considered for selection as SSSI...]*

#### C1 (a) Localities of endangered plant species

*All localities of species listed in Schedule 8... These are Red Data Book species (ie species occurring in 15 or fewer 10-km squares) which require special protection.*

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<sup>8</sup> Note the 10-km square ceiling threshold for species to be included as part of an 'outstanding assemblage' was 60 squares, not 100 as under the 1983 and 1989 guidelines.

## C1 (b) Localities with outstanding assemblages of plants

*All localities with an index of 200 or more. [Plant species occurring in 15 or less 10-km squares score 100 (Red Data Book species), those occurring in 16-30 10-km squares score 50, those occurring in 31-100 10-km squares score 40.]*

## C1 (c) Localities of rare plants requiring special protection

*...There are special circumstances when localities of one Red Data Book species...should also be notified, and so all Red Data Book localities should be considered as candidate sites.*

*Sites of British endemics, sites of species undergoing rapid declines due to human activities, and sites of species with less than 6 localities in Britain should be given special attention and will often require notification.*

*Localities of notable species at the edge of their range can be of special interest and may be notified **after discussion with the relevant CST specialist.***

- **Extracts from *Guidelines for selection of Biological SSSIs (1989)*, Chapter 11 (Vascular Plants), section 3 – site selection requirements**

*There should be a presumption for selecting vascular plant sites on the following grounds.*

### 3.1 Schedule 8 species<sup>9</sup>

*All sites with viable populations should be selected...*

### 3.2 Red Data Book species

*All RDB species' localities should be regarded as candidate sites.*

**One RDB species qualifies a site for selection if it has:**

- 3.2.1 *the largest population... in Great Britain;*
- 3.2.2 *a good population... on a site which is itself a good example of a habitat type;*
- 3.2.3 *a good population in an Area of Search<sup>10</sup> supporting a substantial proportion of localities for the species [in question];*
- 3.2.4 *a good population on the edge of the species' geographical range; or*
- 3.2.5 *the only occurrence in the particular Area of Search.*

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<sup>9</sup> The term 'species' in the context of these *Guidelines* should be interpreted as meaning *taxon*, in that it can also refer to other taxonomic entities, eg subspecies or species aggregates; current convention is that eligible taxa are restricted to those at the level of subspecies or above, ie varieties are excluded from consideration. This appears to have also been the case with earlier (1979/83) guidelines.

<sup>10</sup> Area of Search refers to the counties/districts or vice-counties used for determining the geographical areas within which candidate sites are assessed for SSSI notification purposes (see Figure 2 in the *Guidelines*).

Judgement of a 'good population' should be made in discussion with the... rare plants specialist.

### 3.3 Combination of species occurring in 1-100 10-km squares

A simple scoring procedure is used to assess combinations of species within the two classes, nationally rare and nationally scarce... Schedule 8 species score 200. Species occurring in 1-15 10-km squares (other than Sch. 8 species) score 100. Species occurring in 16-100 10-km squares score 50. A total score of 200 or more qualifies a site for selection. Presence of two RDB species, for example, thus qualifies a site for selection.

### 3.4 Endemic species

The largest populations... in each Area of Search should be selected, when practicable.

### 3.5 Non-endemic species threatened in Europe

These number 23 species, of which 17 are RDB species...<sup>11</sup> The best population of each species in every Area of Search in which it occurs as a native should be selected.

### 3.6 Declining species and species at the edge of their range

If an Area of Search contains species which are known to have declined markedly within Britain but are not yet... nationally rare or nationally scarce..., particularly large populations may be selected, in consultation with the... rare plants specialist.<sup>12</sup>

In addition, any particularly large population of a species with restricted distribution at the edge of its range... may be selected.

Regionally rare species are of great concern to local botanists, and at least one locality per relevant Area of Search should be selected.<sup>13</sup>

### 3.7 Floristic assemblages

[Most] localities with particularly good species lists will be selected either for habitat importance or for presence of rare or scarce species. There are, nevertheless, a limited number of places with a rich flora which will not qualify under these other attributes but which have a valid claim for selection. Assessment is difficult..., but if a locality has 75% or

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<sup>11</sup> All the species listed under this selection criterion in the *Guidelines* were Schedule 8, Nationally Rare or Nationally Scarce at the time of writing (1989), with the exception of *Petroselinum segetum*.

<sup>12</sup> Examples under this criterion given in the *Guidelines* were *Eriophorum latifolium*, *Orchis* [now *Anacamptis*] *morio*, *Platanthera bifolia*, *P. chlorantha* and *Pyrola minor*.

<sup>13</sup> Under the *Guidelines*, a regionally rare species was defined as one with 15 or fewer localities in a Nature Conservancy Council region. Regional structures have long since changed, but the spirit of the criterion is still valid, being designed to capture within the SSSI series important populations of regionally rare taxa, eg *Vaccinium uliginosum* in S.W. England, *Juncus maritimus* in N.E. England, *Oenanthe pimpinelloides* in E. Anglia, *Rubia peregrina* in S.E. England, etc. In many cases these will be species that are neither Nationally Rare/Scarce nor on the new *Red Data List* (2005).

*more of the total vascular plant species list for a community type of the NVC it should qualify for selection.*<sup>14</sup>

### **3.8 Microspecies and hybrids**

*...all microspecies in genera such as Rubus, Hieracium, Taraxacum, Euphrasia and Salicornia should be represented on at least one SSSI somewhere in Britain.*

*...the same should apply to recognised, regularly occurring hybrids of native species.*

*The... rare plant specialist will seek to ensure this representation, in consultation with external specialists in the particular plant groups.*<sup>15</sup>

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<sup>14</sup> Very few, if any, sites were ever selected for notification under para 3.7, and it was never widely accepted as a particularly useful criterion.

<sup>15</sup> Coverage of these groups falls way behind that for other vascular plant taxa. The *Red Data List* (2005) does, however, indicate for the first time the taxa within these groups which are currently thought to be threatened in Britain; and this may provide a useful basis for deciding which microspecies and hybrids are high priorities for coverage within the SSSI series.

## Annex 4

### Defining vascular plant species interest features (especially rare/scarce vascular plant assemblages) on SSSIs – sources of information – a note for COs<sup>16</sup>

- **SSSI citation** – this should make it clear whether your site contains any rare/scarce species, and whether these constitute a legitimate ‘interest feature’ of the site, ie whether, as an assemblage, they were one of the reasons for the original notification of the site as SSSI. The site description will also, hopefully, provide you with the names of the rare/scarce species known to occur on the SSSI at the time of notification. However, bear in mind that this list, for all sorts of reasons, will often be incomplete. For reasons of confidentiality, Schedule 8 and RDB species may not be mentioned by name.
- **Criteria sheet** – the citation will often only give the names of a *selection* of the more interesting species, but the **criteria sheet** should list any species qualifying as interest features in their own right or as part of a ‘scoring combination’ (= assemblage). For an assemblage there should also be a *score* – for it to be identified as a legitimate interest feature it should score 200+ points under the scoring system described in the relevant SSSI selection guidelines. You now need to check that the species given on the criteria sheet are correct and that they still appear on the latest rare/scarce lists (the master-spreadsheet does this for you automatically). You also need to ascertain, as best you can, whether they still occur on the site, and whether there are any rare/scarce species missing from the criteria sheet that have been recorded from the SSSI, either before notification or as a result of more recent surveys<sup>17</sup>. In order to produce an up-to-date list of the rare/scarce species on your site you will need to investigate a range of further sources, as follows...
- **English Nature site files, site reports, survey/monitoring data**, etc. These are always worth checking, as there are sometimes unpublished records lurking on file that may be of considerable value.
- **Vascular Plants Database (VPD), on the NBN gateway** – this is the database from which the maps in the *New Atlas of the British & Irish Flora* were prepared, and is certainly worth exploring now that it’s up and running on the NBN gateway. This database may well throw up a number of additional records of rare/scarce species, either on the SSSI or in the 1-km, 2-km or 10-km squares that overlap with it. The usefulness of the VPD is determined to some extent by the level of access one has:

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<sup>16</sup> This is an amended/updated version of a paper drafted for the CSM workshop held by English Nature’s Botanical Unit and Botanical Network, held at Slapton Ley Field Centre, Devon, in September 2004.

<sup>17</sup> Note, however, that any additional qualifying species to be added to the ‘scoring combination’ should be checked to ensure that they would also have been ‘scoring species’ at the time the SSSI was notified (and using the scoring system in operation at that time). In reality, most species shown as Nationally Scarce on the master-spreadsheet would also have been Nationally Scarce (or possibly Nationally Rare) at the time of notification. Proposed additions to an assemblage notified under the 1979 guidelines, however, would need careful checking as the ‘ceiling threshold’ for inclusion was different to that defined in later guidelines (60 rather than 100 10-km squares – see Appendix 1). In cases of doubt, please consult with the relevant botanical specialist or SST.

general access for EN staff is set at 1-km square resolution or above, but individuals can arrange for full access where there is a clear need for this: this will enable you to see, for a particular 10-km or 1-km square record, whether more precise data (eg 6-fig grid references) underlies it.

- **Other data sets on the NBN gateway** – including those accessible there from local records centres. Also, you may have arrangements for direct access to botanical data held by your local records centre. This is a valuable source of records, but do bear in mind that such data sets may include some doubtful or unverified records. If in any doubt, get the records checked, either by EN botanists, or by the local BSBI recorder (see below).
- **Threatened Plants Database** – administered by BSBI, covering all RDB and selected Nationally Scarce species. EN botanical specialists can provide print-outs (or excel tables) for particular species or vice-counties from the 2002 version of the TPDB; for more recent data, please consult with the botanists to discuss whether a formal approach to BSBI's TPDB administrator would be worthwhile.
- **Plantlife reports and species dossiers** - particularly worth looking at if you know, or suspect, that there may be records for species included in Plantlife's *Back from the Brink/Action for Plants* programme. A full list of species covered is available via the Plantlife website.
- **County Floras, rare species inventories, Red Data Books, etc.** – always worth a look, and best to consult them *before* you approach your local BSBI recorder. You don't want to be asking your recorder for information that she/he has already published! Many counties now have 'county rare plant registers', and these are an absolute mine of information. For an up-to-date position on these registers you will need to consult the BSBI website, or approach your local vice-county recorder.
- **Records published in local journals** – keep an eye out for any records published in local natural history journals and magazines, and make a note of them on the site file (and on the spreadsheet) as you come across them.
- **BSBI vice-county recorder** – your first port of call once you've collated all the information held elsewhere. It is very important to cultivate good working relationships with your local recorders, and they will almost certainly have a wealth of relevant data, including records not readily available from other sources. They can direct you to other local botanists or recording groups (eg rare plants groups) who may be more familiar with the SSSI you are working on, and they will usually be able to give you an authoritative view on the validity or otherwise of 'doubtful' records from other sources.

But please bear in mind that your BSBI recorders are busy people, that field botany is often their hobby and only rarely their job! Try to avoid asking them for information that you could easily be getting from elsewhere, and always let them have full details of all the records you already have – if you give *them* records they will be much more likely to give *you* records in return. In this way, hopefully, your local recorders will come to see that this is very much a "two-way street", that there's something in it for them as well as for you, and some (especially where there's a recording *group*) may

even be keen to get actively involved with the monitoring of rare/scarce species on your SSSIs. Thus, the local recorder's involvement at this stage in 'getting the list right' may represent an important first step in establishing a long and mutually rewarding partnership between you (the local face of English Nature) and the botanists active on your 'patch'.







## Research Information Note

*English Nature Research Reports, No. 690*

### **A tool for assessing the current conservation status of vascular plants on SSSIs in England: May 2006**

Report Authors: S J Leach & D. J. Rusbridge, September 2006

Keywords: Nationally Rare and Scarce species, Red Data Book, Red List, SSSI Notified Features, Common Standards Monitoring

## **Introduction**

English Nature's Botanical Unit is frequently contacted by Area Team staff needing to know the current conservation status of vascular plant species. Often, they are trying to ascertain – in light of improved knowledge of species on SSSIs and the changing conservation status assigned to those species – which taxa comprise (or contribute to) the vascular plant 'interest features' on SSSIs.

Lists of Schedule 8, Nationally Rare (RDB) and Nationally Scarce species have been subject to numerous revisions over the last 20 years – culminating in May 2005 with the publication of a new national (GB) *Red List*. There is now a need for a single master-list, a 'one-stop shop' where Area Team staff can go to find out the conservation status of vascular plants in England, along with detailed guidance on how to use such information when preparing Conservation Objectives and carrying out Common Standards Monitoring of vascular plant Notified Features on SSSIs.

## **What was done**

We carried out a comprehensive review of all the recent lists and information sources, with the aim of producing a single spreadsheet showing the current conservation status of all vascular plant species (or subspecies) listed – either now or at some time in the past – as Nationally Rare/Red Data Book, Nationally Scarce, Schedule 8, or threatened or 'Near Threatened' in the 2005 *Red List*. In consultation with colleagues in Sites and Surveillance Team, we also prepared supplementary guidance for use by Area Team staff when assessing the vascular plant Notified Features on SSSIs.

## **Results and conclusions**

We produced a detailed guidance note, a flow chart and a semi-automated vascular plant master-spreadsheet (the latter also included at the back of the report as a CD). The flow chart and spreadsheet can be applied to all SSSIs, **whether or not they were originally notified for a vascular plant species interest**, as well as to pSSSIs where staff are assessing potential vascular plant interest features.

**Continued .....**

The master-spreadsheet includes all current (and former) Schedule 8, Nationally Rare (RDB) and Nationally Scarce species/subspecies, plus all taxa listed in the 2005 *Red List* as **Extinct, Critically Endangered, Endangered, Vulnerable, Near Threatened** and **Data Deficient**. The list includes a large number of Red-listed hybrids and microspecies, plus a few rare or threatened taxa which came to our attention after publication of the *Red List*. Taxa are listed under both their currently accepted names and their synonyms, so plants can be looked up under their 'old' names – particularly useful when one is dealing with old species lists, citations, etc.

The master-list sits behind – and is linked to – a 'species entry' form which allows species occurring on a site to be selected and listed, with the current conservation status being extracted automatically from the master-list as each species name is entered.

## English Nature's viewpoint

English Nature believes it is important that staff should have easy access to an up-to-date list showing the national conservation status of vascular plants, to be used when assessing botanical Notified Features on SSSIs, and when preparing Conservation Objectives and carrying out Common Standards Monitoring of such features. The master-spreadsheet presented in this ENRR provides us with just such a list.

It is recognised that future reviews of the *Red List* and revision of Nationally Rare and Nationally Scarce lists, and taxonomic and name changes, will require the master-spreadsheet to be regularly updated. The present list was prepared in May 2006 and all status assessments were still 'current' at time of publication (September 2006).

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### Further information

*English Nature Research Reports* and their *Research Information Notes* are available to download from our website: [www.english-nature.org.uk](http://www.english-nature.org.uk)

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